WKE

MARCH 2024

PROJECT ID: 2240-00-78

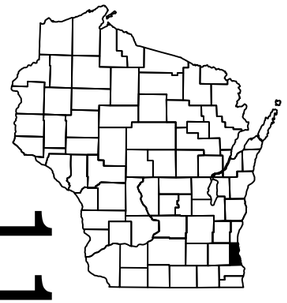
WITH: N/A

COUNTY: MILWAUKEE

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 = 518



11

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WATERFORD - MILWAUKEE

STH 100 TO 51ST ST

STH 36

MILWAUKEE COUNTY

STATE PROJECT NUMBER
2240-00-78

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2240-00-78	WISC 2024277	1

DESIGN DESIGNATION

A.A.D.T.	2025	=	18,610
A.A.D.T.	2045	=	20,930
D.H.V.		=	899
D.D.		=	50/50
T.		=	11.1%
DESIGN SPEED		=	50 - 60 MPH
ESALS		=	3,600,000

CONVENTIONAL SYMBOLS

PLAN

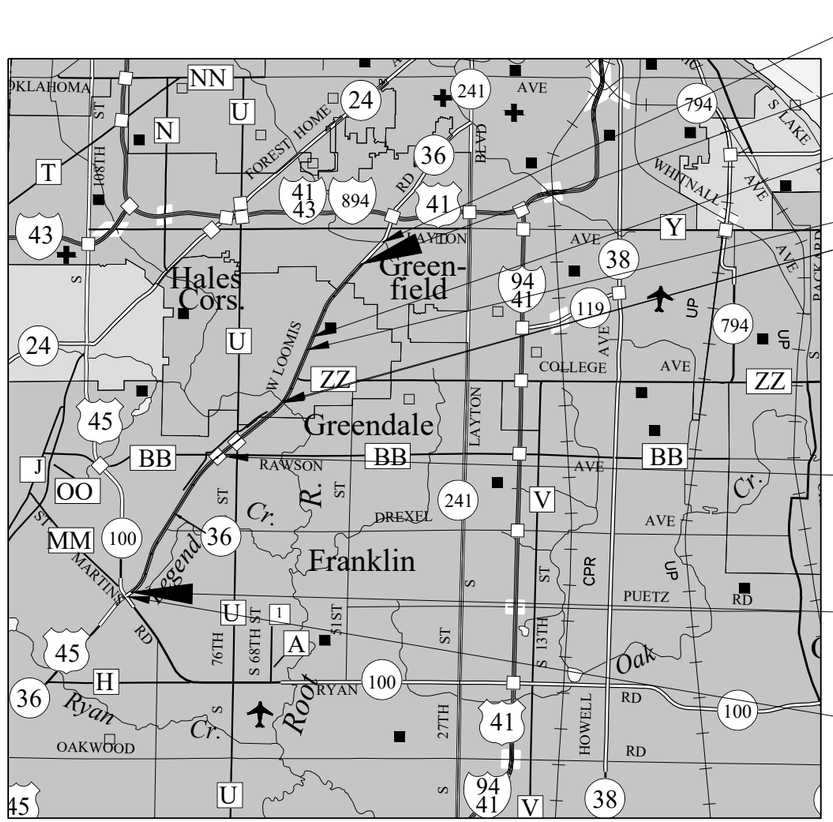
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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



STRUCTURE C-40-044

END PROJECT
STA 293+25.00

STRUCTURE B-40-512

STRUCTURE C-40-017

STRUCTURE B-40-387

END CONSTRUCTION STA
2344+50.58

BEGIN PROJECT
STA 27+00.00
Y=245,486.18
X = 572,053.66

BEGIN CONSTRUCTION STA
2220+66.00

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 5.043 MI

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

emcs

1300 W. Canal Street, Suite 200
Milwaukee, WI 53233
414.347.1607 Fax 414.347.1347

WISCONSIN
KATIE L. NAKLES
E-43985-6
MILWAUKEE
WI
PROFESSIONAL ENGINEER

10/25/23 (Date)

Katie L Nakles (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	EMCS, INC.
Project Manager	MARK WILFERT
Regional Examiner	
Regional Supervisor	JOSH LEVEQUE

APPROVED FOR THE DEPARTMENT

DATE: 11/1/23 Mark Wilfert (Signature)

E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 10/25/2023 10:25 AM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
PERMANENT SIGNING
MARKING PLAN
TRAFFIC CONTROL
ALIGNMENT DETAILS

GENERAL NOTES

- EXISTING R/W LINES SHOWN ON PLANS ARE FROM MILWAUKEE COUNTY GIS AND ARE APPROXIMATE
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN
- THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
- PRIOR TO THE PLACEMENT OF MGS GUARDRAIL, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PAVE HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE.
- CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.
- TOPSOIL SHALL BE PLACED 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.
- THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDED AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL, AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, AND SEEDED, AS DIRECTED BY THE ENGINEER.
- FERTILIZER SHALL NOT BE USED WITHIN 20' OF WATERWAYS OR WETLANDS.
- ASPHALTIC PAVEMENTS SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

TOTAL LAYER PAVEMENT THICKNESSS	LAYERS	HMA PAVEMENT ITEMS
4"	1 3/4" (UPPER) 2 1/4" (LOWER)	4 MT 58-28 S (UPPER) 3 MT 58-28 S (LOWER)
1 3/4"	1 3/4" (UPPER)	4 MT 58-28 S
3"	1 3/4" (UPPER) 1 1/4" (LOWER LEVELING LAYER)	4 MT 58-28 S (UPPER) 4 MT 58-28 S (LOWER)

UTILITY CONTACTS

COMMUNICATIONS

AT&T WISCONSIN
MATTHEW DINNAUER
435 S 95TH ST
MILWAUKEE, WI 53132
(262) 896-7690
MD9542@ATT.COM

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1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 908-4793
JAY.CHAPMAN@CHARTER.COM

LUMEN
BRAHIM GADDOUR
3235 INTERTECH DR, SUITE 600
BROOKFIELD, WI 53045
BRAHIM.GADDOUR@LUMEN.COM

EVERSTREAM
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324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
(414) 522-6685
SGARCIA@EVERSTREAM.NET

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JASON KENNY
525 JUNCTION ROAD
MADISON, WI 53717
JASON.KENNY@TDSTELECOM.COM

VERIZON BUSINESS
RJ CICATELLO JR.
15725 WEST RYERSON ROAD
NEW BERLIN, WI 53151
(262) 782-9836
RANDY.CICATELLO@VERIZON.COM

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ALLENTOWN, PA 18106
(610) 904-4409
DAJONES@BUCKEYE.COM

MILWAUKEE METROPOLITAN
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MICKI KLAPPA-SULLIVAN
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MILWAUKEE, WI 53204
(414) 225-2178
MKLAPPASULLIVAN@MMSD.COM

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OLNEY, IL 62450
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MWEILER@USDI.US

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RACINE, WI 53406
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WESLEY.NUNN@WE-ENERGIES.COM

ELECTRIC

WE ENERGIES
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JACOB.SCHOENUNG@WE-ENERGIES.COM

SEWER

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GMORROW@FRANKLINWI.GOV

CITY OF GREENFIELD
JEFF KATZ
7325 W FOREST HOME AVE
GREENFIELD, WI 53220
(414) 329-5325
JEFFK@GREENFIELDWI.US

MILWAUKEE METROPOLITAN
SEWERAGE DISTRICT
MICKI KLAPPA-SULLIVAN
260 W SEEBOTH ST
MILWAUKEE, WI 53204
(414) 225-2178
MKLAPPASULLIVAN@MMSD.COM

VILLAGE OF GREENDALE
ROD DAMASK
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GREENDALE, WI 53129
(414) 423-2133
RDAMASK@GREENDALE.ORG

WATER

FRANKLIN MUNICIPAL WATER UTILITY
GLEN MORROW
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FRANKLIN, WI 53132
(414) 425-7510
GMORROW@FRANKLINWI.GOV

VILLAGE OF GREENDALE
ROD DAMASK
6351 INDUSTRIAL LOOP
GREENDALE, WI 53129
(414) 423-2133
RDAMASK@GREENDALE.ORG

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

OTHER CONTACTS

WDNR LIASON
RYAN PAPPAS
ENVIRONMENTAL SPECIALIST
DNR SERVICE CENTER
141 NW BARSTOW ST, ROOM 180
WAUKESHA, WI, 53188
PHONE: (414) 750-7495
RYAN.PAPPAS@WISCONSIN.GOV

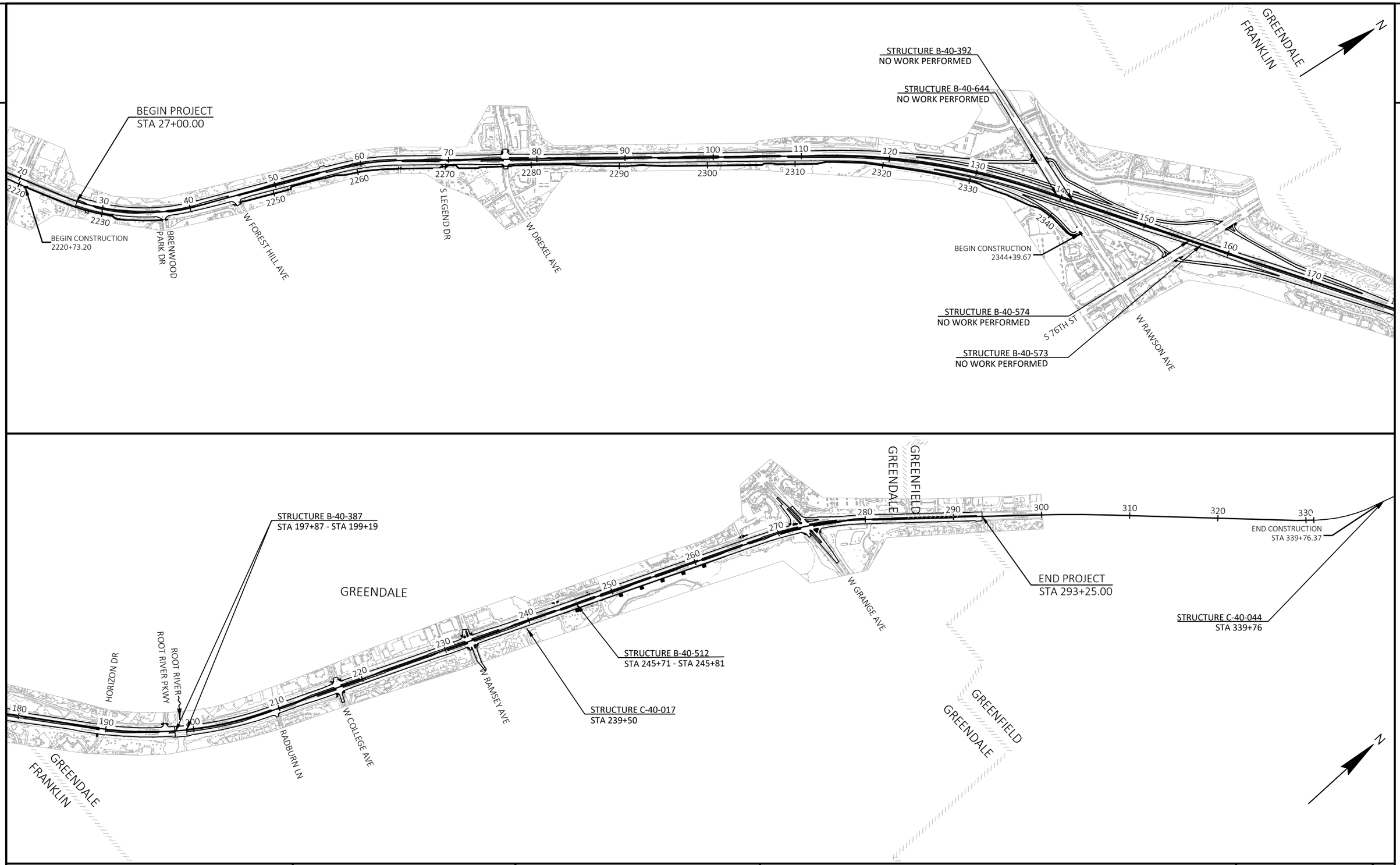
WISDOT DESIGN
PROJECT MANAGER
WISDOT SE REGION
MARK WILFERT
141 NW BARSTOW ST
WAUKESHA, WI, 53187
PHONE: (262) 548-5936

CONSULTANT DESIGN
EMCS, INC.
KATIE NAKLES
1300 W CANAL ST, SUITE 200
MILWAUKEE, WI, 53233
PHONE: (414) 347-1607
EMAIL: KNAKLES@EMCSINC.COM

STANDARD ABBREVIATIONS

A.D.T	AVERAGE DAILY TRAFFIC
A.A.D.T	ANNUAL AVERAGE DAILY TRAFFIC
D.H.V	DESIGN HOURLY VOLUME
ASPH	ASPHALT
BASE AGG	BASE AGGREGATE DENSE
CE	COMMERCIAL ENTRANCE
D	DEFLECTION
D.D	DIRECTIONAL DISTRIBUTION
ESALS	EQUIVALENT SINGLE AXLE LOADS
EX	EXISTING
L	LENGTH
NC	NORMAL CROWN
PC	POINT OF CURVATURE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
R	RADIUS
REQ'D	REQUIRED
R/W	RIGHT OF WAY
SI	SLOPE INTERCEPT
S.E	SUPER ELEVATION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
T	TANGENT LENGTH
TYP.	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY

2

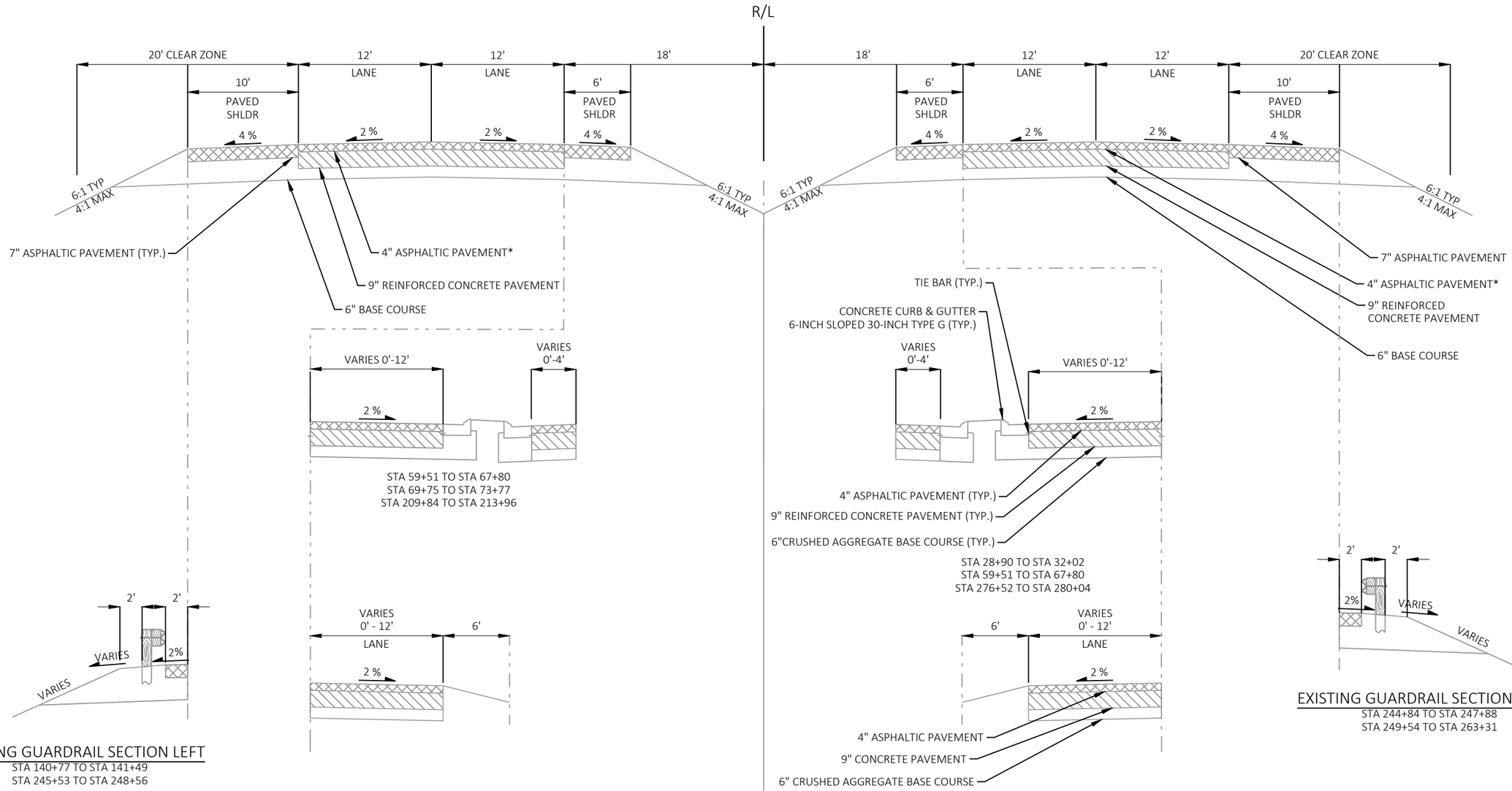


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 3	E

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LAYOUT NAME - 020201-po

PLOT DATE : 10/25/2023 3:38 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:1000 FT

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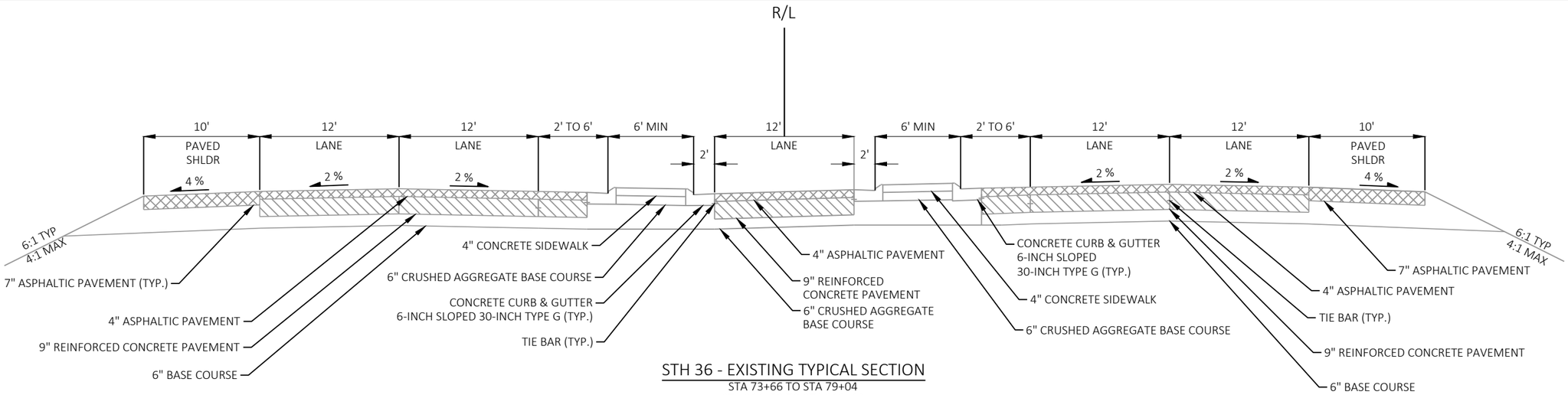


STH 36 - EXISTING TYPICAL SECTION

STA 27+00 TO STA 73+66
STA 79+04 TO STA 214+58
STA 219+69 TO STA 230+21
STA 236+43 TO STA 270+20
STA 276+74 TO STA 293+25

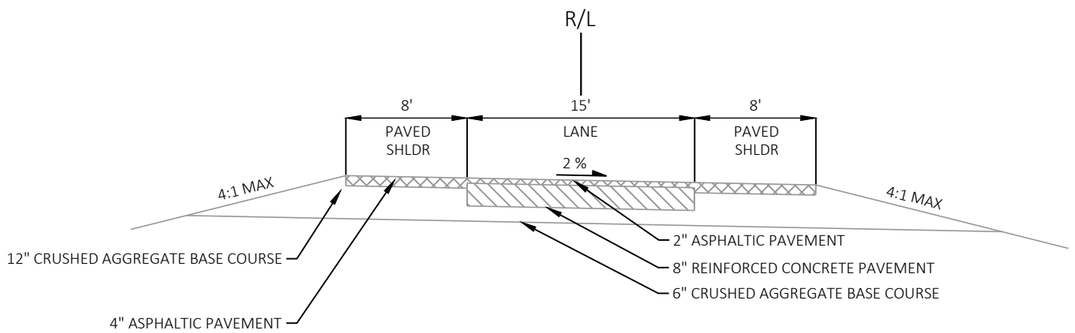
*3-INCHES ASPHALTIC PAVEMENT
STA 138+00 TO STA 143+00 (UNDER RAWSON AVENUE BRIDGE)
STA 155+00 TO STA 158+00 (UNDER 76TH STREET BRIDGE)

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 4	E



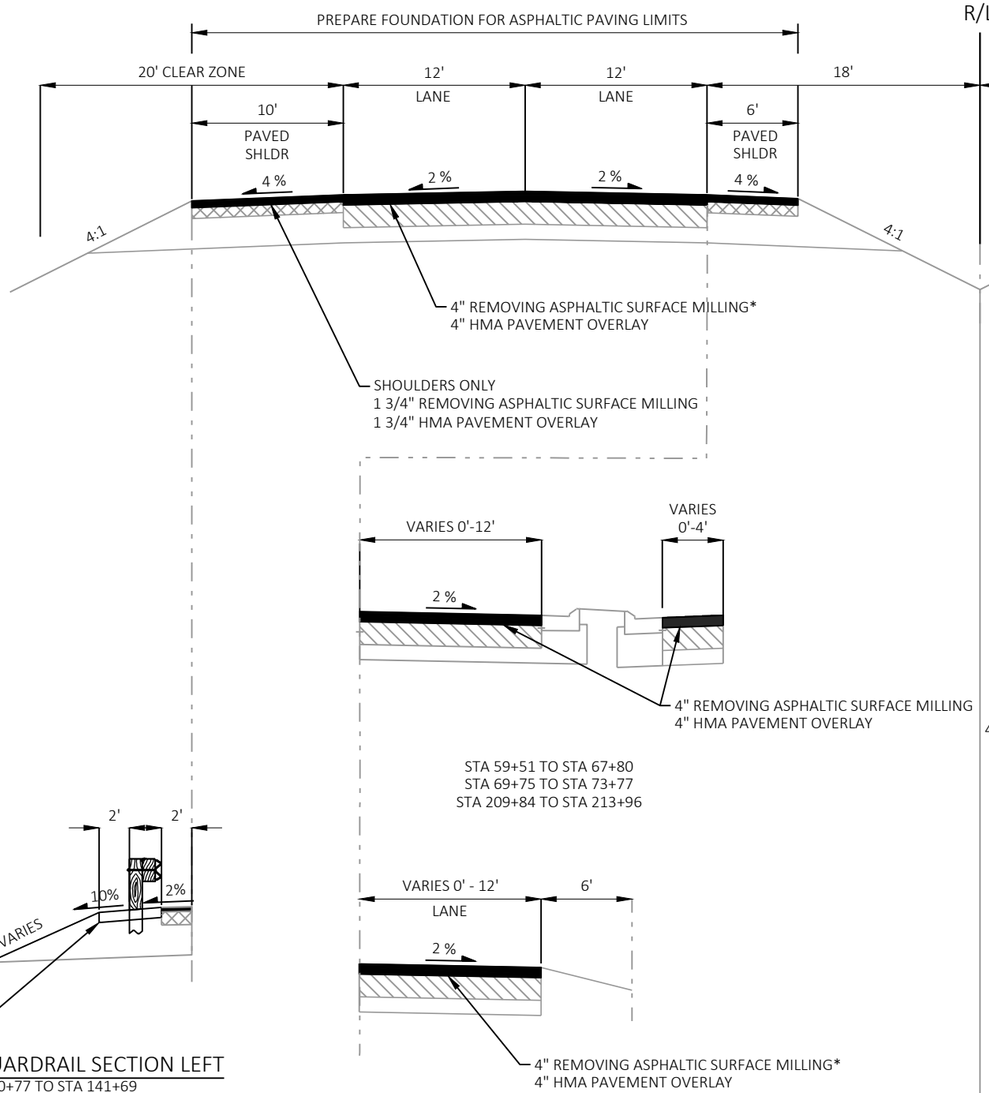
STH 36 - EXISTING TYPICAL SECTION

STA 73+66 TO STA 79+04
STA 214+58 TO STA 219+69
STA 230+21 TO STA 236+43
STA 270+20 TO STA 276+74

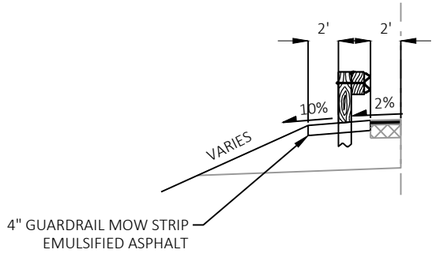


RAMPS - EXISTING TYPICAL SECTION

STA 110+51 TO STA 150+61 (CTH BB - SB)
STA 117+84 TO STA 143+70 (CTH BB - NB)
STA 126+06 TO STA 181+46 (76TH ST - SB)
STA 128+43 TO STA 180+92 (76TH ST - NB)



STA 59+51 TO STA 67+80
STA 69+75 TO STA 73+77
STA 209+84 TO STA 213+96

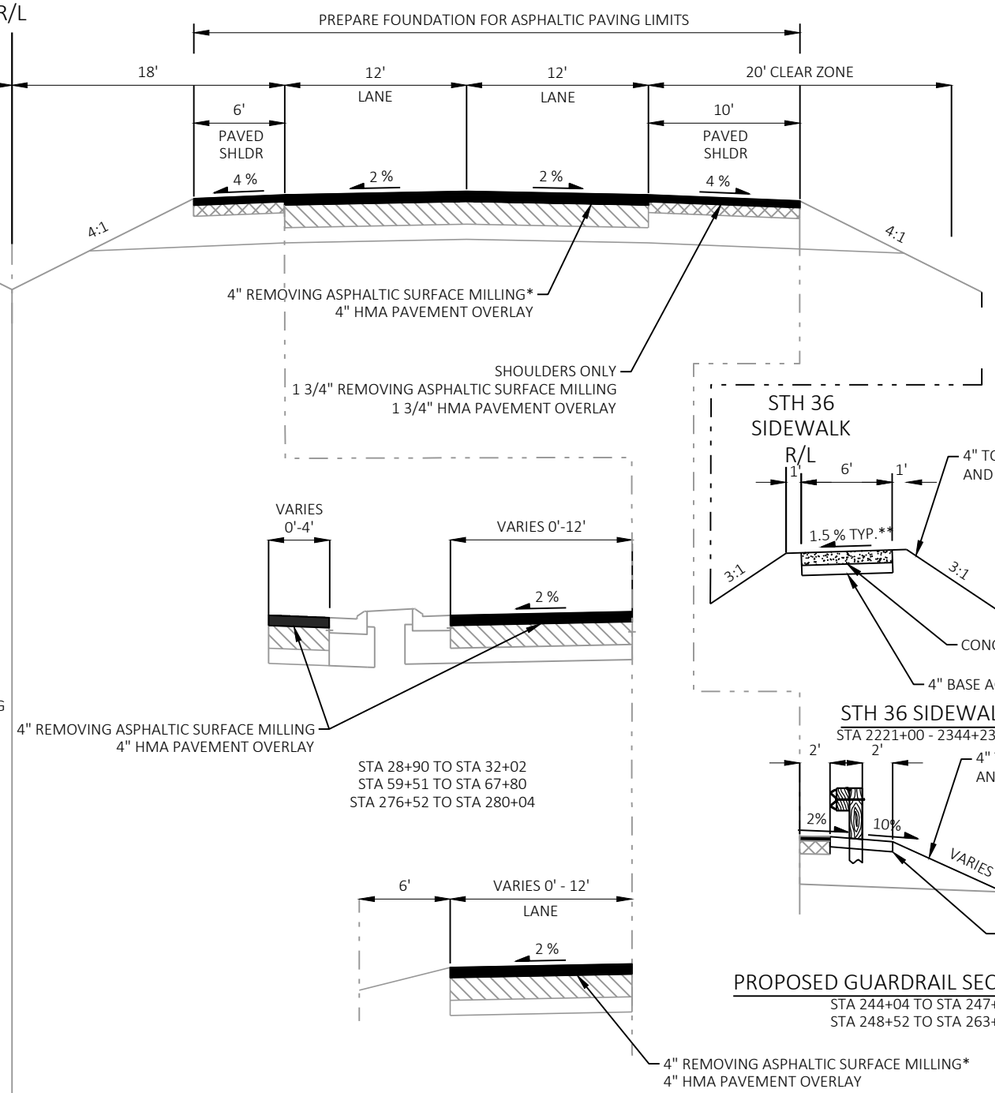


PROPOSED GUARDRAIL SECTION LEFT

STA 140+77 TO STA 141+69
STA 245+53 TO STA 247+50

STA 28+90 TO STA 32+02
STA 37+27 TO STA 41+53
STA 45+53 TO STA 59+38
STA 55+94 TO STA 59+00
STA 93+67 TO STA 96+84
STA 101+19 TO STA 104+38

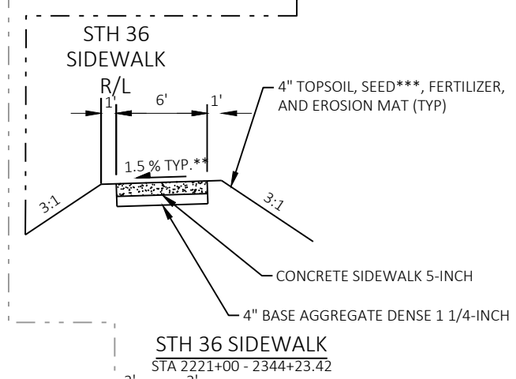
STA 108+39 TO STA 111+78
STA 190+00 TO STA 193+34
STA 197+20 TO STA 199+67
STA 243+72 TO STA 246+36
STA 280+74 TO STA 283+27



STA 28+90 TO STA 32+02
STA 59+51 TO STA 67+80
STA 276+52 TO STA 280+04

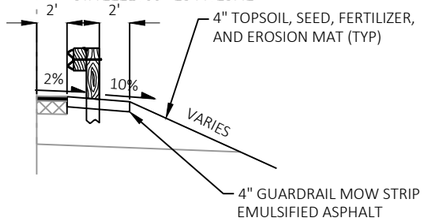
STA 33+61 TO STA 36+59
STA 51+78 TO STA 44+55
STA 52+73 TO STA 55+34
STA 89+91 TO STA 93+02
STA 104+67 TO STA 107+72
STA 185+17 TO STA 189+25
STA 193+05 TO STA 196+12

STA 205+84 TO STA 209+18
STA 238+47 TO STA 243+27
STA 251+89 TO STA 254+72
STA 257+65 TO STA 260+36
STA 276+52 TO STA 265+70
STA 280+74 TO STA 283+27



STH 36 SIDEWALK

STA 2221+00 - 2344+23.42



PROPOSED GUARDRAIL SECTION RIGHT

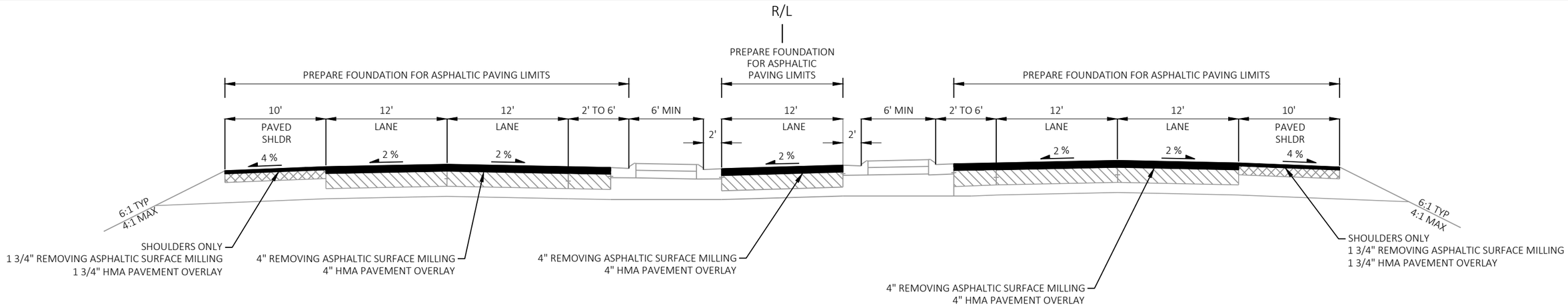
STA 244+04 TO STA 247+49
STA 248+52 TO STA 263+49

STH 36 - PROPOSED TYPICAL SECTION

STA 27+00 TO STA 73+66
STA 79+04 TO STA 214+58
STA 219+69 TO STA 230+21
STA 236+43 TO STA 270+20
STA 276+74 TO STA 293+25

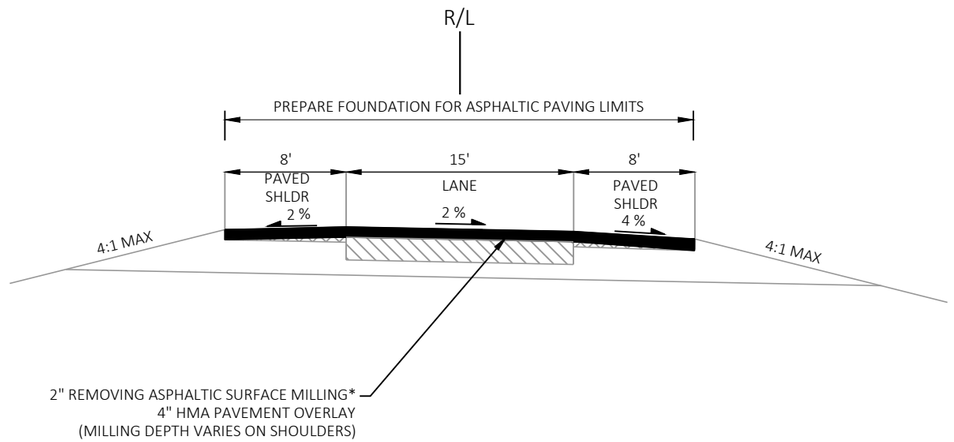
*3" REMOVING ASPHALTIC SURFACE MILLING AND 3" HMA OVERLAY
STA 138+00 TO STA 143+00 (UNDER RAWSON AVENUE BRIDGE)
STA 155+00 TO STA 158+00 (UNDER 76TH STREET BRIDGE)
** CROSS SLOPE OF SIDEWALK VARIES SEE CROSS SECTIONS FOR MORE INFORMATION
*** USE SEED MIXTURE NO. 40 UNLESS OTHERWISE NOTED IN PLANS

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E



STH 36 - PROPOSED TYPICAL SECTION

STA 73+66 TO STA 79+04
STA 214+58 TO STA 219+69
STA 230+21 TO STA 236+43
STA 270+20 TO STA 276+74



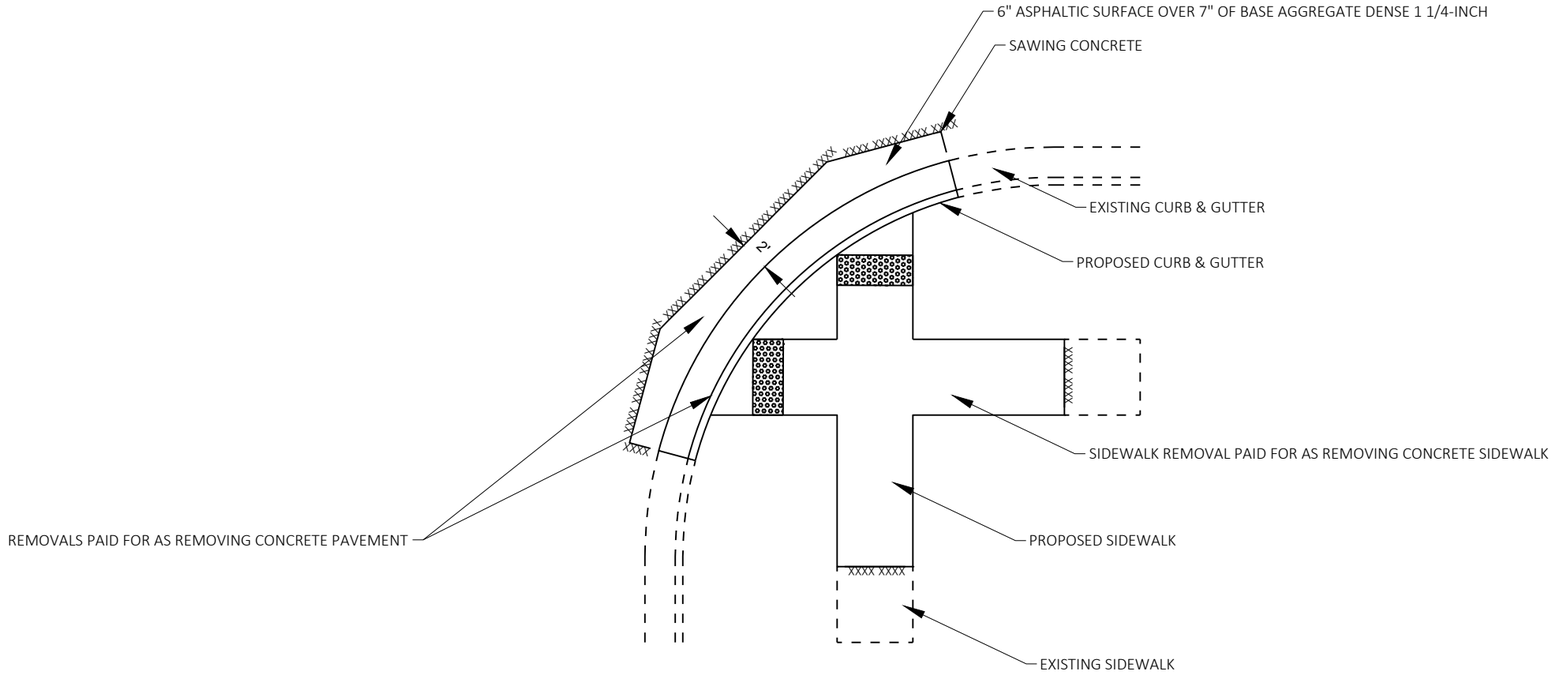
RAMPS - PROPOSED TYPICAL SECTION

STA 110+51 TO STA 150+61 (CTH BB - SB)
STA 117+84 TO STA 143+70 (CTH BB - NB)
STA 126+06 TO STA 181+46 (76TH ST - SB)
STA 128+43 TO STA 180+92 (76TH ST - NB)

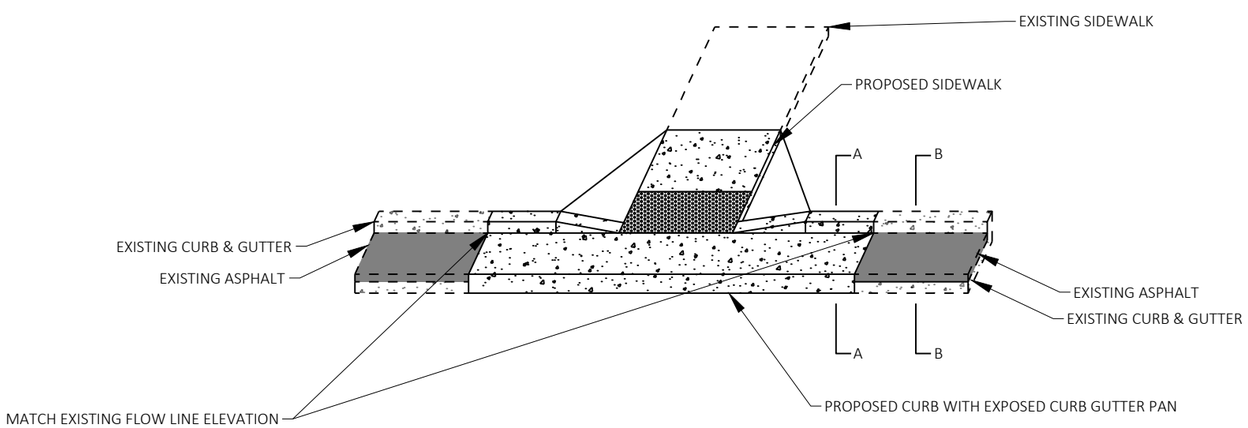
*2" REMOVING ASPHALTIC SURFACE MILLING AND 2" HMA OVERLAY
STA 138+00 TO STA 143+00 (UNDER RAWSON AVENUE BRIDGE)

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E

2

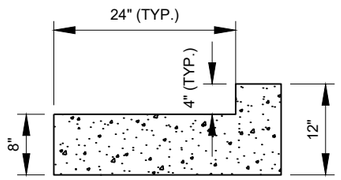


ASPHALT & CONCRETE REMOVAL AT CURB RAMPS

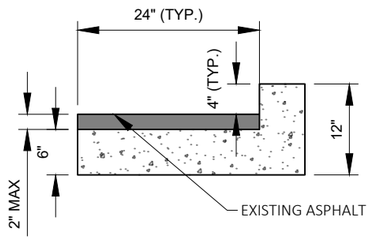


EXPOSED CURB PAN AT CURB RAMP REPLACEMENTS

*NOTE
THIS DETAIL ONLY APPLIES TO LOCATIONS WHERE THE CURB PAN IS OVERLAID WITH HMA PAVEMENT



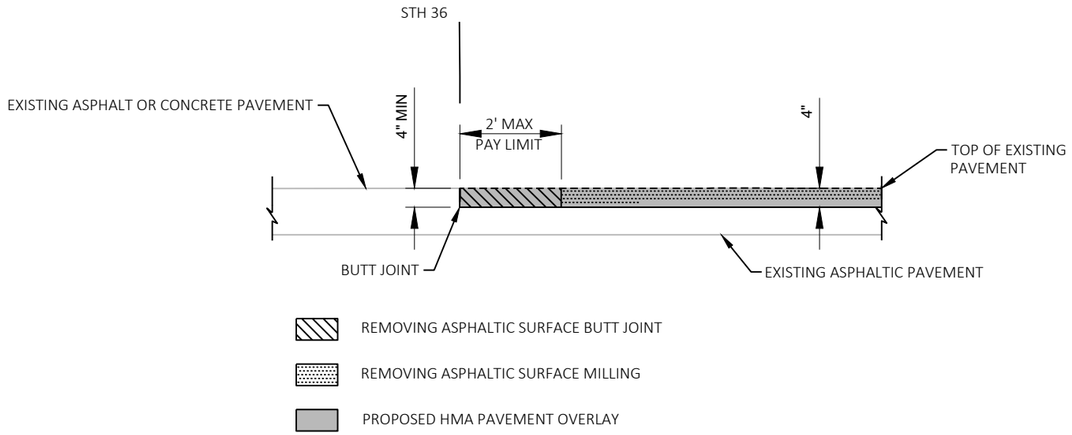
SECTION A-A



SECTION B-B

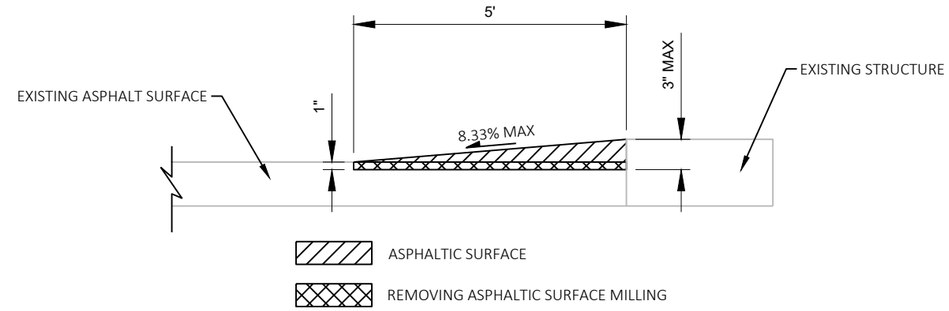
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 8	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 01
PLOT DATE : 10/30/2023 3:34 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1:10
WISDOT/CADDS SHEET 42



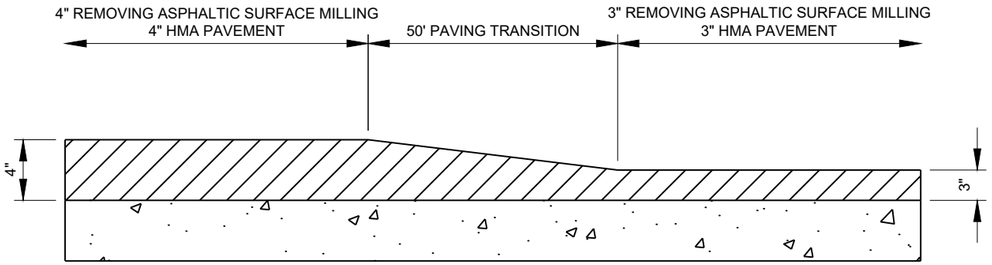
STH 36 & SIDE ROAD BUTT JOINT AND PROFILE MATCH DETAIL

SEE PLAN DETAILS FOR STA INFORMATION
OF BUTT JOINTS



B-40-512 WEDGE BRIDGE APPROACH DETAIL

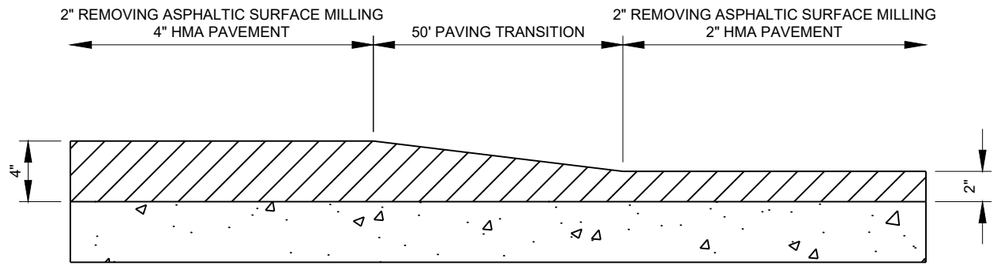
STA 247+29



PROPOSED HMA PAVEMENT

EXISTING CONCRETE PAVEMENT

STH 36 MAINLINE PAVING TRANSITION
STA 138+00,143+00,155+00,158+00



PROPOSED HMA PAVEMENT

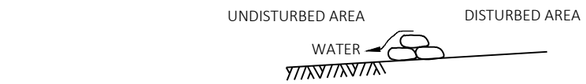
EXISTING CONCRETE PAVEMENT

STH 36 RAMPS TO 76TH ST PAVEMENT TRANSITION DETAIL

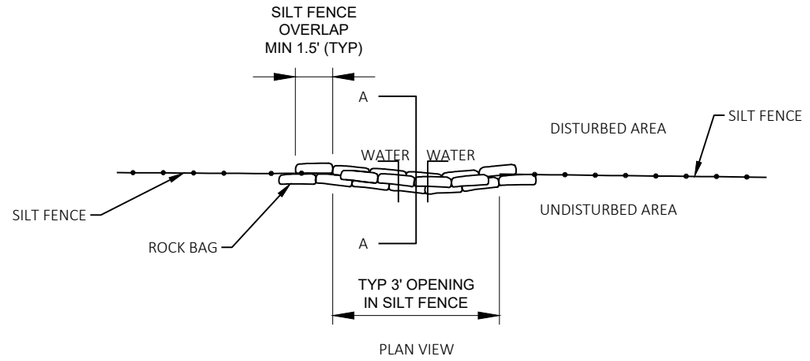
RUNOFF COEFFICIENT TABLE

	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 = 446.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.5 ACRES

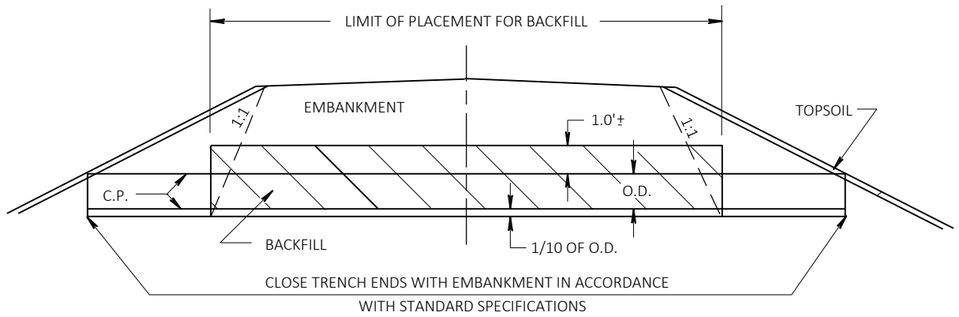


SECTION A-A



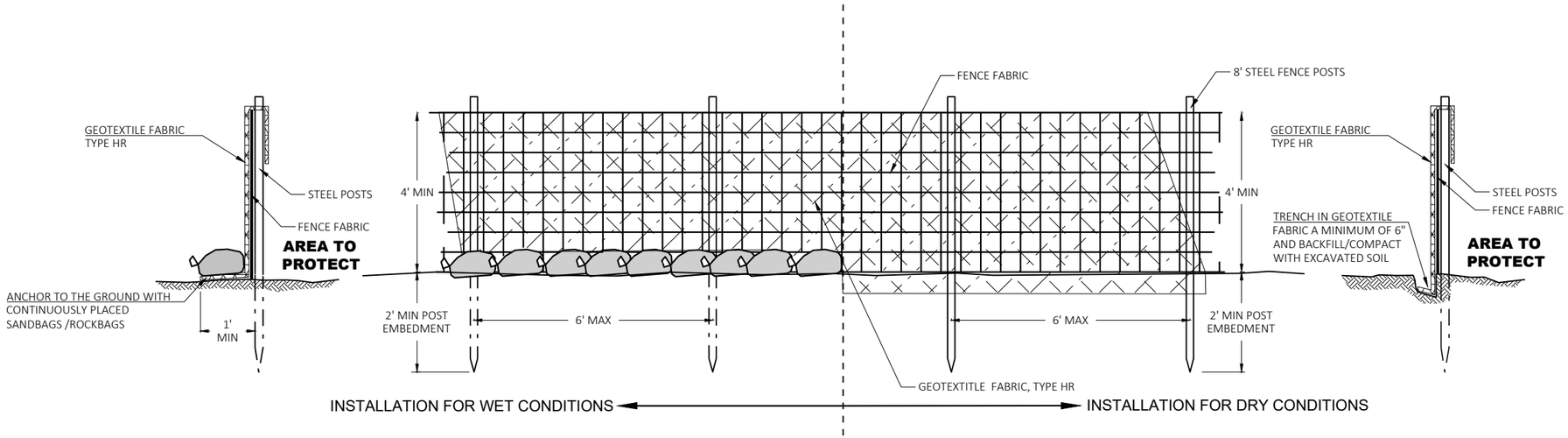
PLAN VIEW

ROCK BAGS USED FOR SILT FENCE RELIEF POINT



CULVERT BACKFILL DETAIL

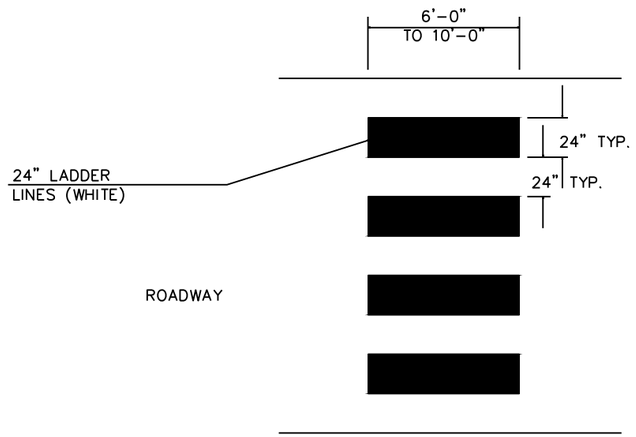
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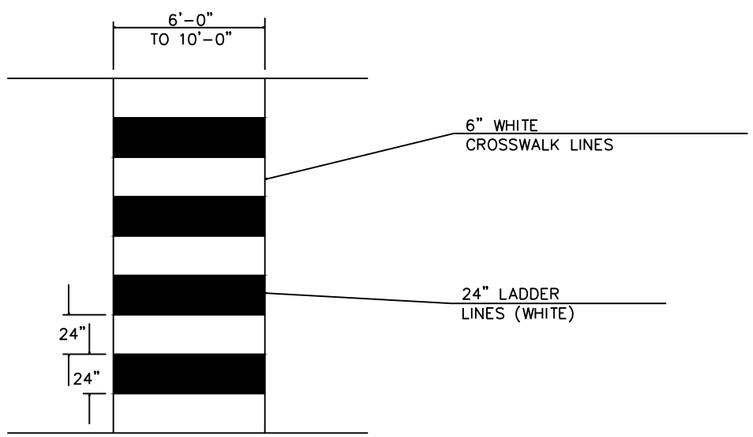
SILT FENCE HEAVY DUTY

GENERAL NOTES:

1. ATTACH FENCE FABRIC TO POSTS A MINIMUM OF 3 TIES PER POST (TOP, MIDDLE, BOTTOM)
2. ATTACH GEOTEXTILE FABRIC TO FENCE FABRIC AND/OR POSTS AT A MAXIMUM SPACING OF EVERY 2 FEET ALONG THE TOP AND ADDITIONALLY AS NECESSARY TO PREVENT DISPLACEMENT BY WIND AND WAVE ACTIONS.

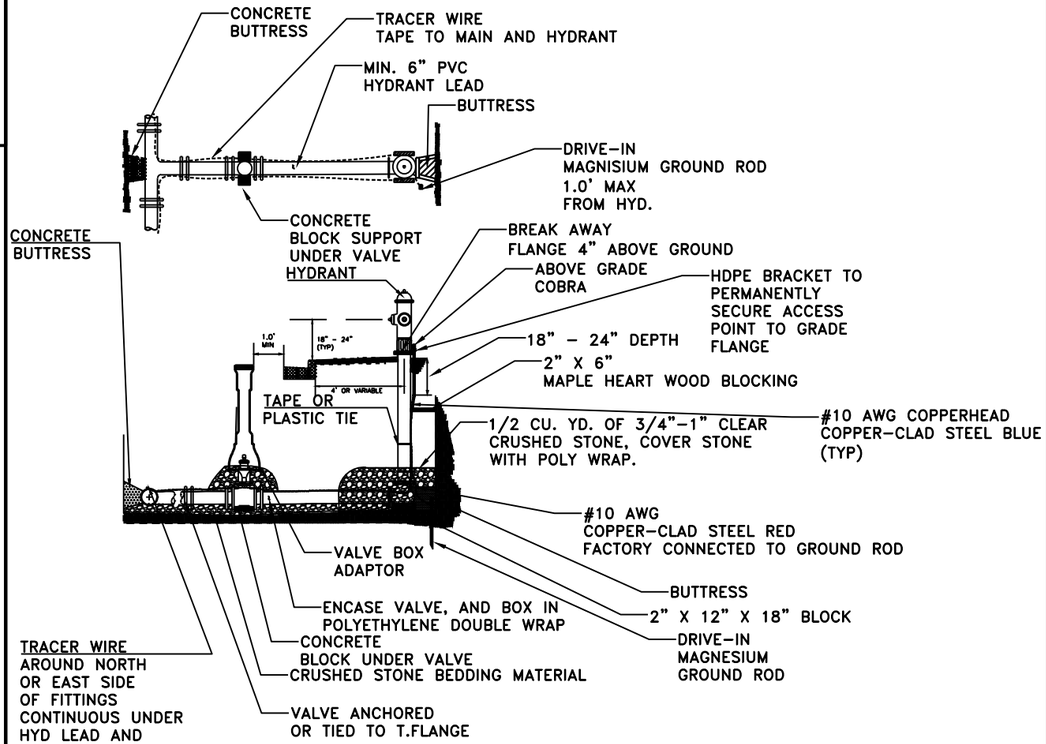


ZEBRA PATTERN
CROSSWALK
MARKING
TYPICAL
DETAIL 2



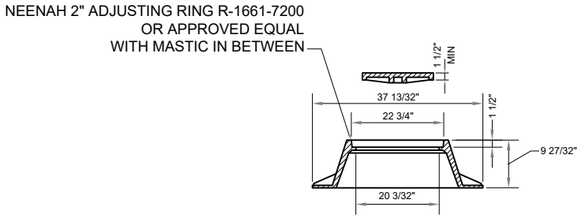
CONTINENTAL
CROSSWALK
MARKING
TYPICAL
DETAIL 3

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 12	E



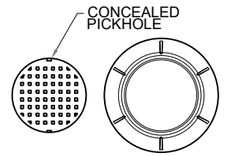
STANDARD HYDRANT SETTING

DETAIL NTS VAR



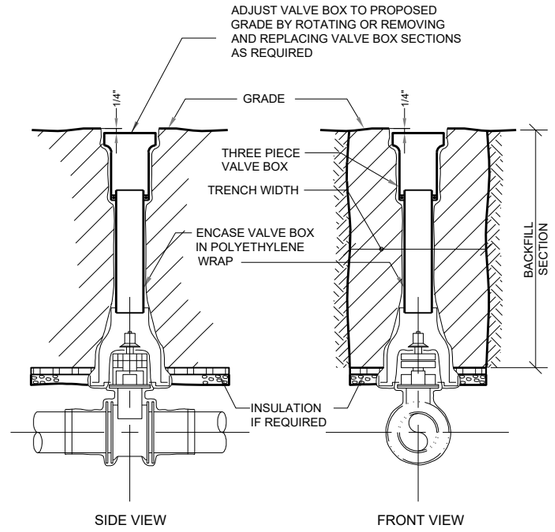
FRAME & LID

NEENAH R-1661-2001 NON-MODERNIZED OR EQUAL



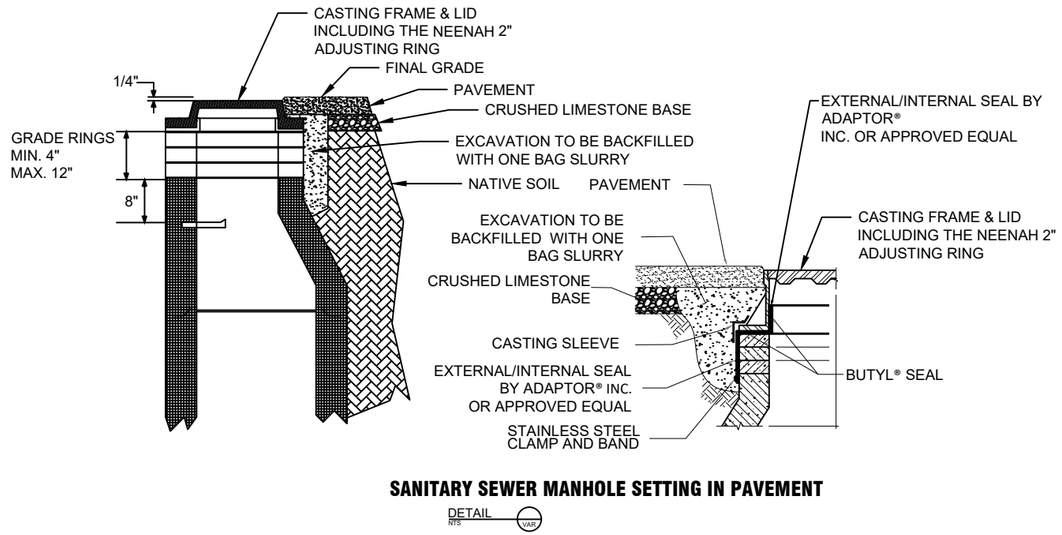
MANHOLE CASTING FRAMES AND COVERS

DETAIL NTS VAR



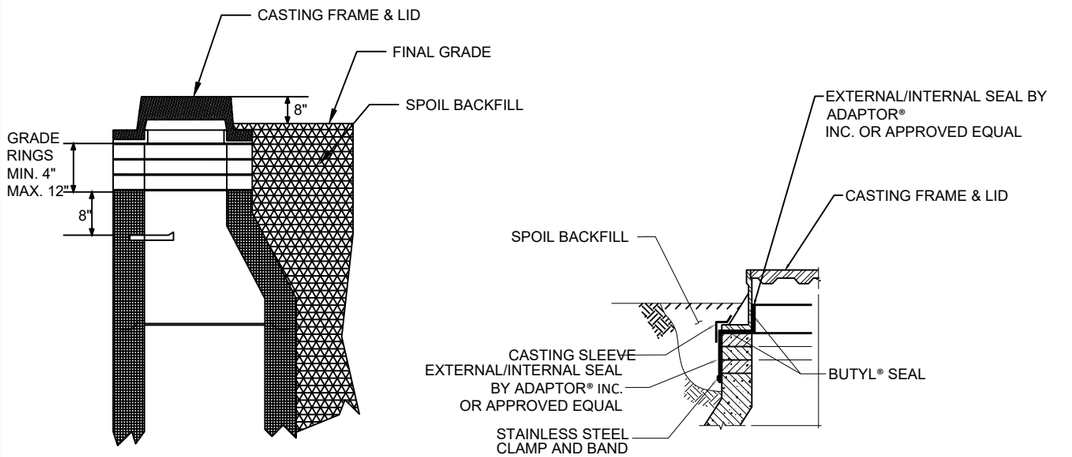
GATE VALVE & BOX SETTING

DETAIL NTS VAR



SANITARY SEWER MANHOLE SETTING IN PAVEMENT

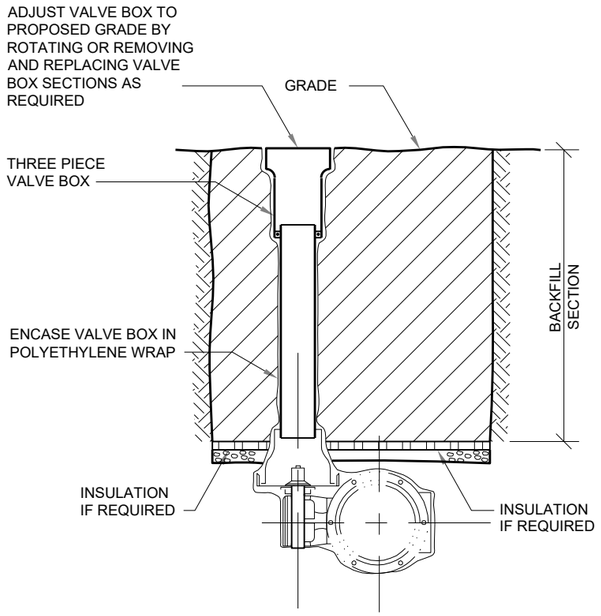
DETAIL NTS VAR



SANITARY SEWER MANHOLE SETTING OUTSIDE OF PAVEMENT

DETAIL NTS VAR

2



BUTTERFLY VALVE & BOX SETTING

DETAIL
NTS
VAR

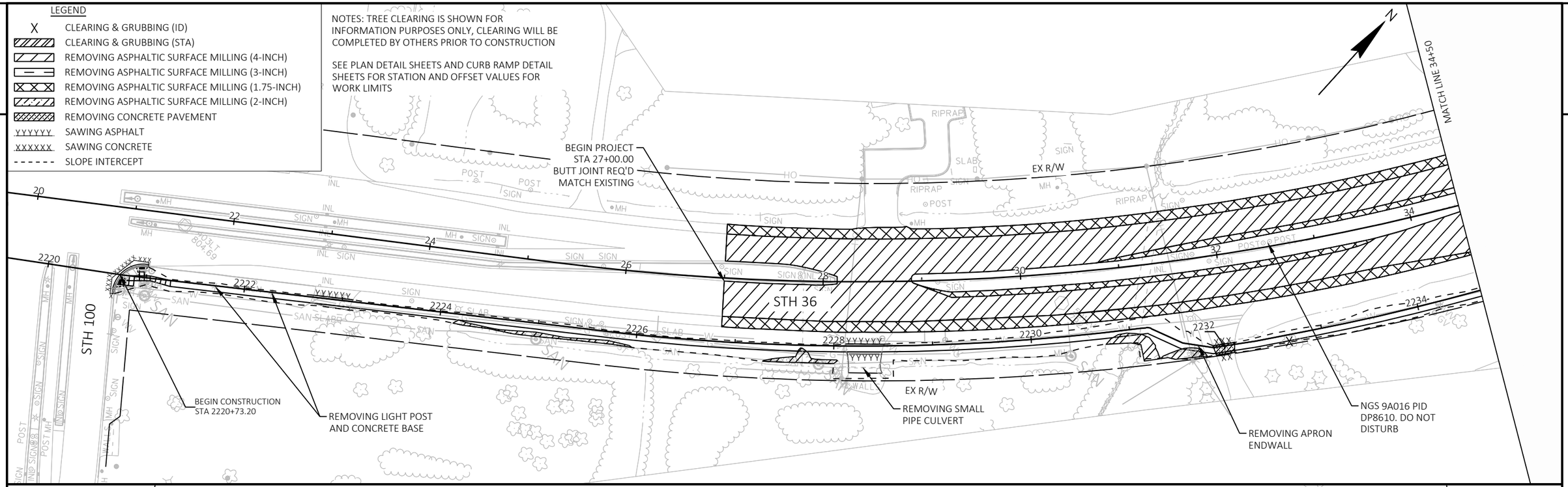
2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- SLOPE INTERCEPT

NOTES: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

SEE PLAN DETAIL SHEETS AND CURB RAMP DETAIL SHEETS FOR STATION AND OFFSET VALUES FOR WORK LIMITS

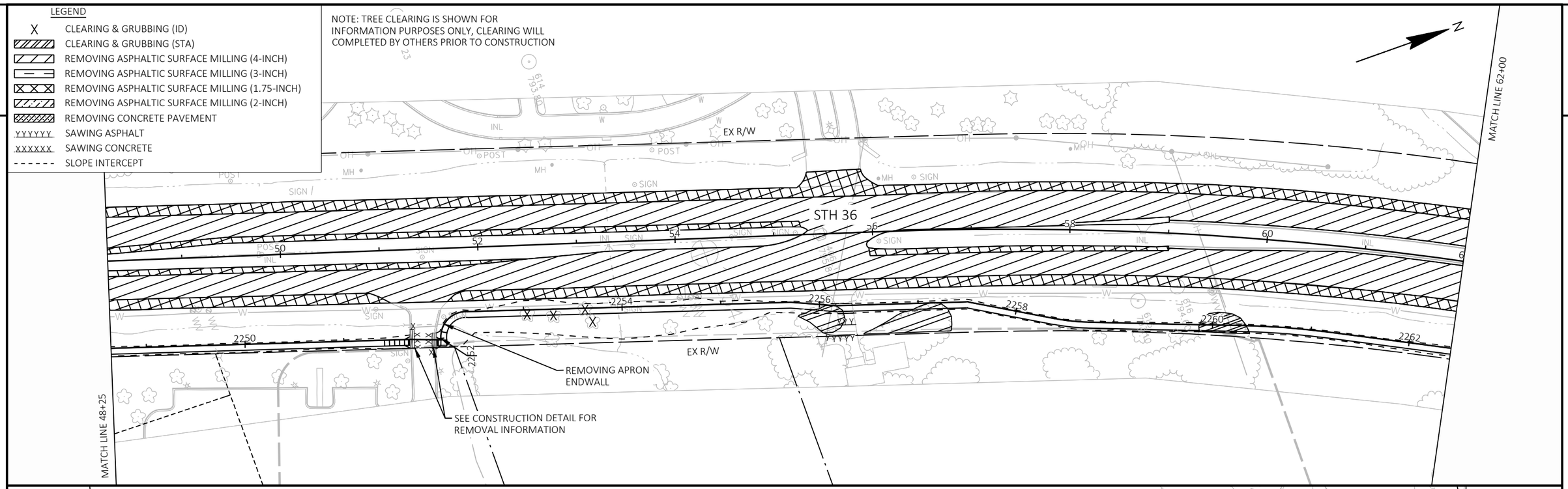


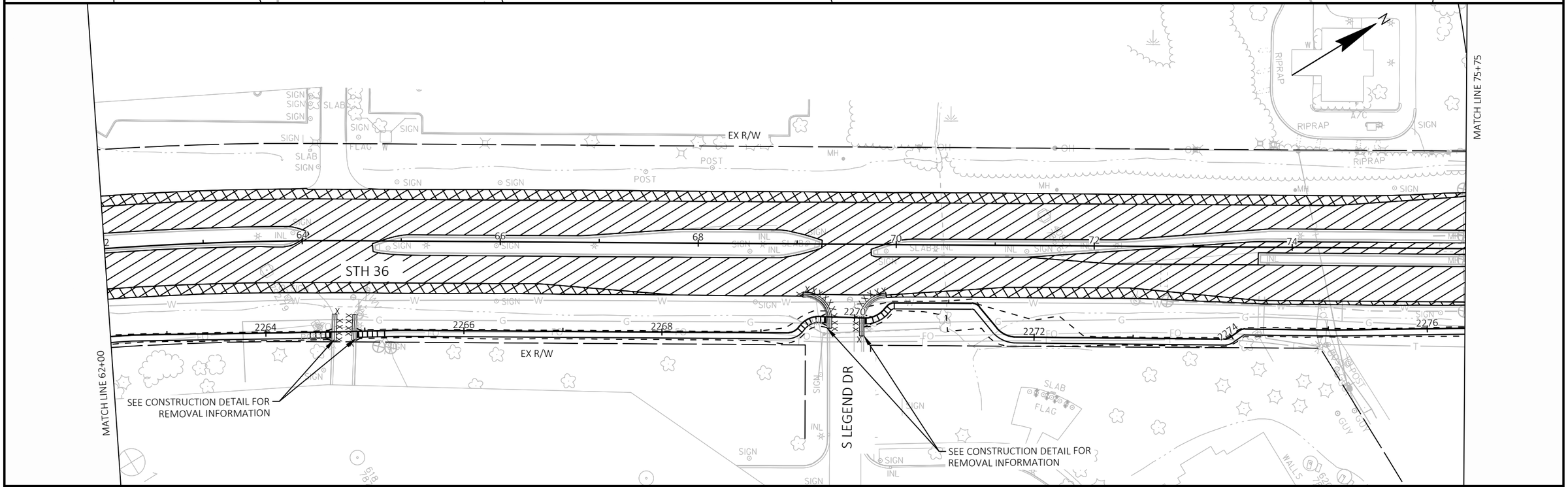
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 15	E

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY SAWING ASPHALT
- XXXXXX SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 16	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 02

PLOT DATE : 1/10/2024 3:46 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- ------ — SLOPE INTERCEPT

W DREXEL AVE

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

STH 36

MATCH LINE 75+75

MATCH LINE 89+50

MATCH LINE 89+50

MATCH LINE 103+25

EX R/W

STH 36

EX R/W

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 17	E

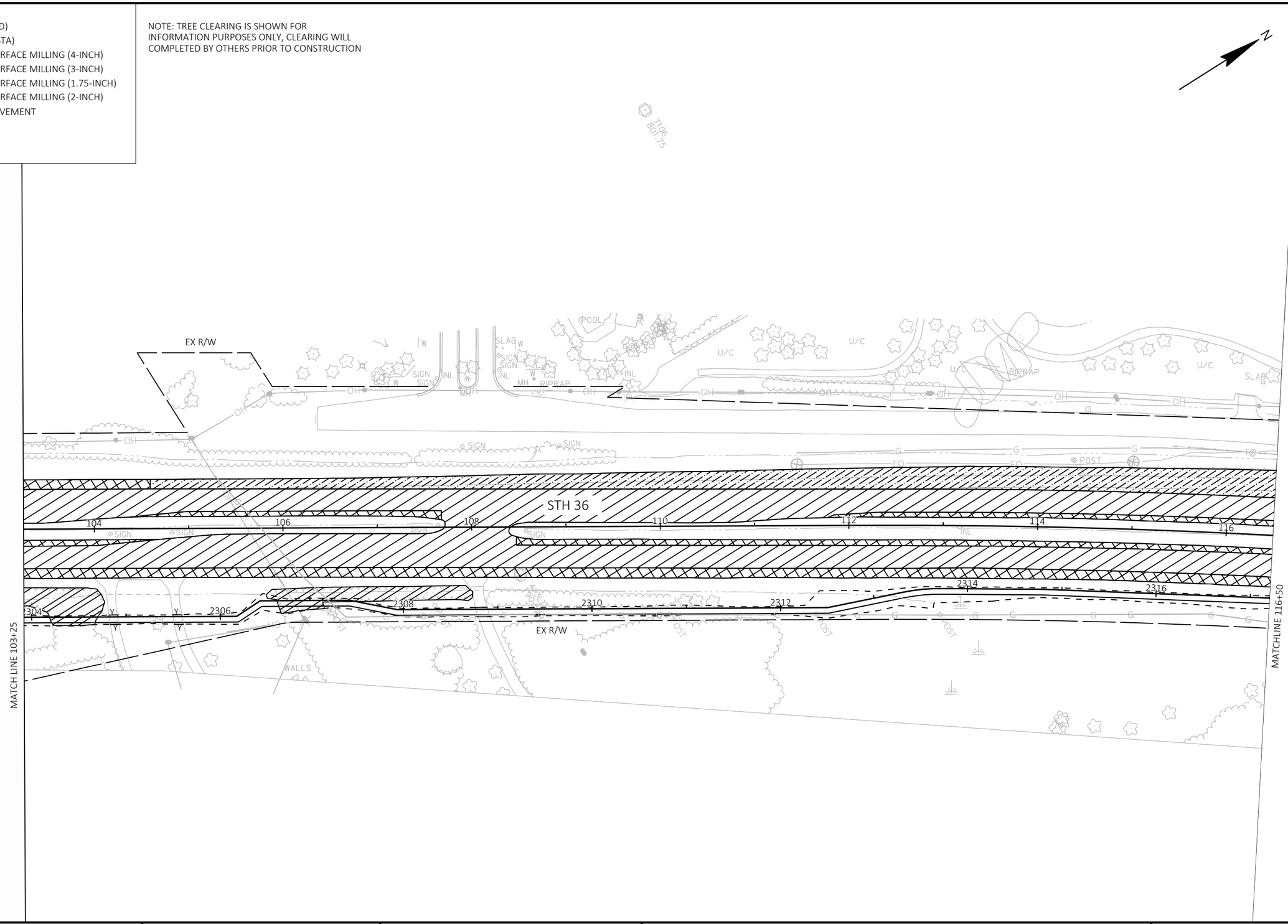
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 03

PLOT DATE : 1/10/2024 3:49 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- ------ — SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 18	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 04

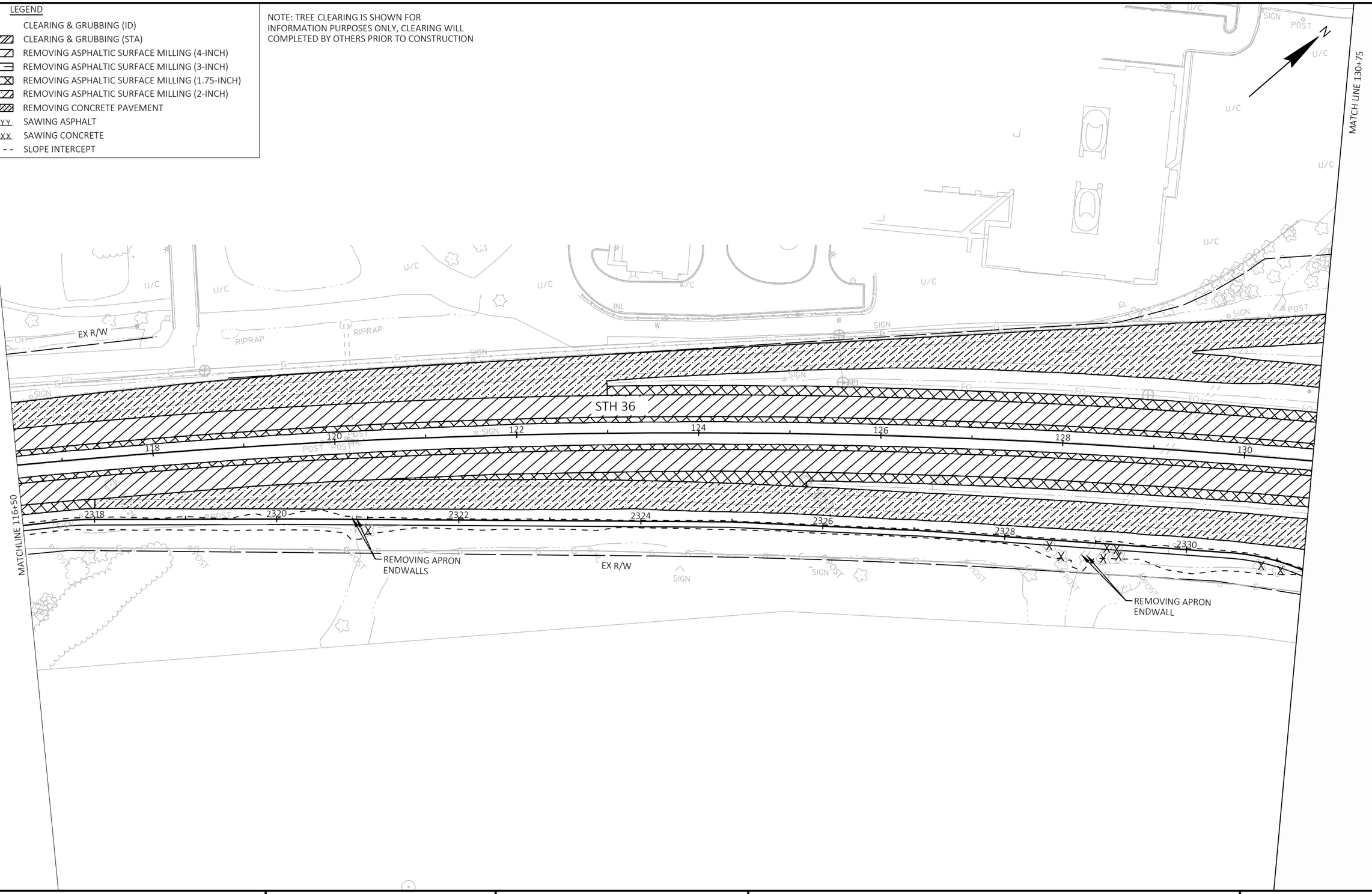
PLOT DATE : 1/10/2024 3:51 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY SAWING ASPHALT
- XXXXXX SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 19	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 05

PLOT DATE : 1/10/2024 3:52 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY SAWING ASPHALT
- XXXXXX SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

REMOVING GUARDRAIL STA 140+77 - 141+49

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

W RAWSON AVE

STH 36

MATCH LINE 144+50

MATCH LINE 130+75

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 20	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 06

PLOT DATE : 1/10/2024 3:54 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- ------ — SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

N

MATCH LINE 158+25

MATCH LINE 144+50

EX R/W

STH 36

ST 76 ST

146 148 150 152 154 156 158

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 21	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 07

PLOT DATE : 1/10/2024 3:56 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

MATCH LINE 171+00

STH 36

160 162 164 166 168 170

EX R/W

MATCH LINE 158+25

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 22	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 08

PLOT DATE : 1/10/2024 3:57 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- ------ — SLOPE INTERCEPT

MATCH LINE 171+00

MATCH LINE 185+00

MATCH LINE 198+75

STH 36

EX R/W

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

HORIZON DR

S 68 ST

ROOT RIVER PKWY

*REMOVING ASPHALTIC SURFACE

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

*EXISTING ASPHALT THICKNESS IS 2" PER AS-BUILTS

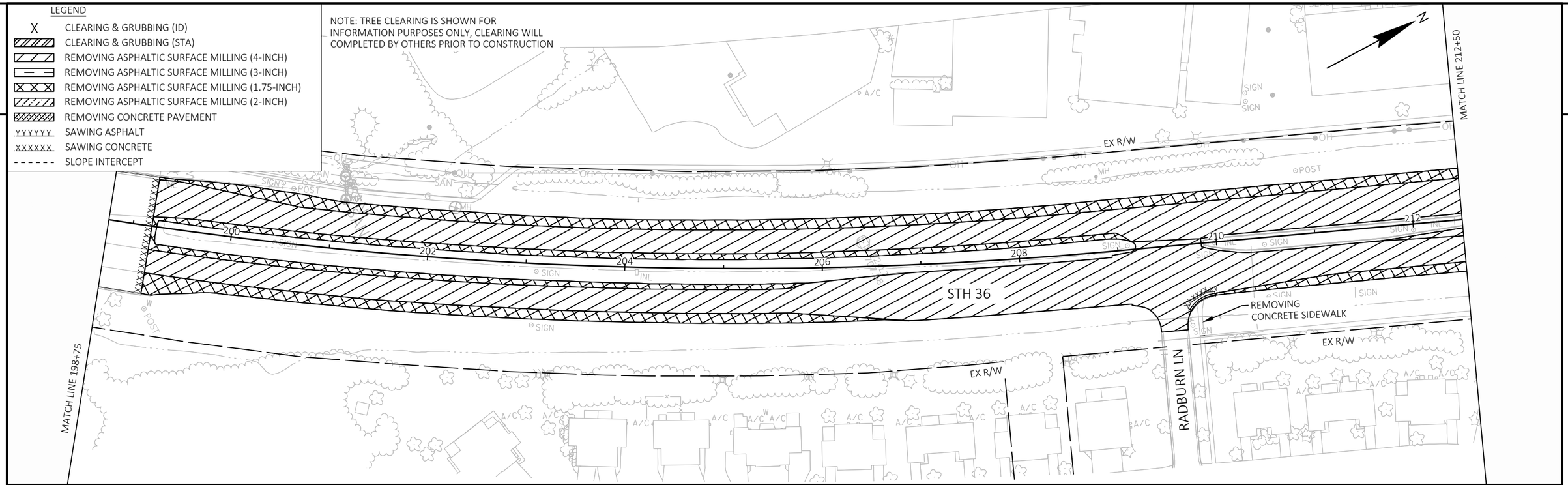
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 23	E

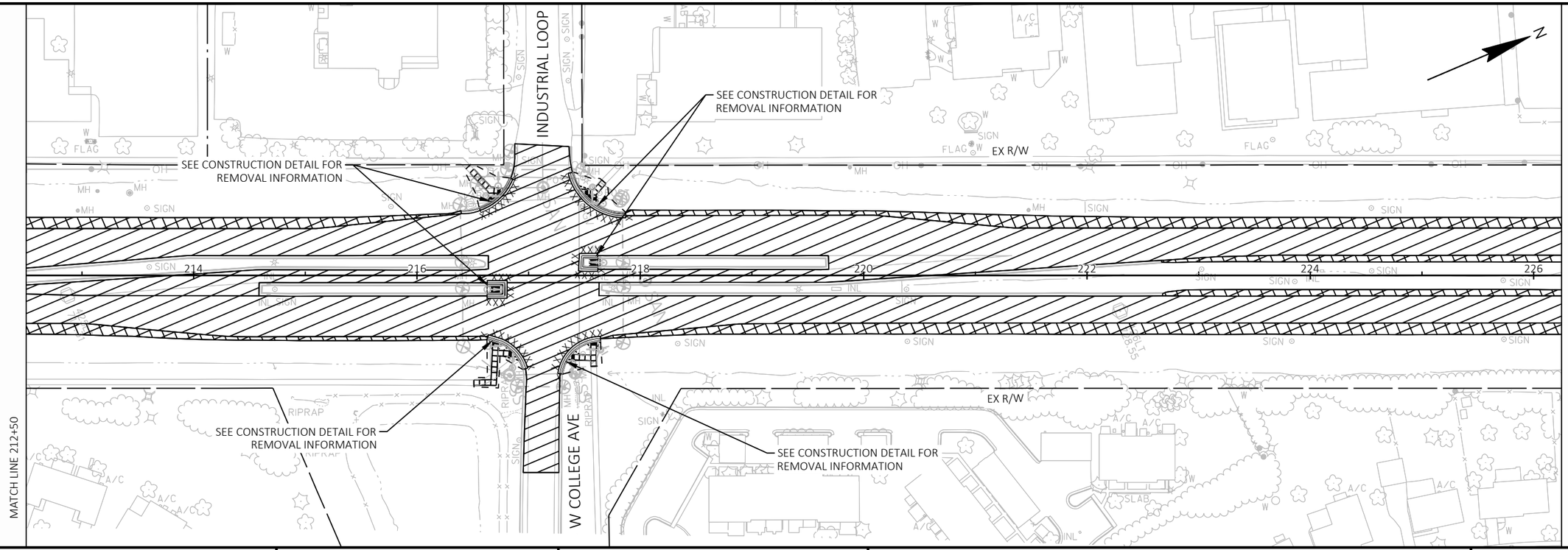
2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY SAWING ASPHALT
- XXXXXX SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION





2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 24	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 10

PLOT DATE : 1/10/2024 4:01 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY SAWING ASPHALT
- XXXXXX SAWING CONCRETE
- ------ SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

SOUTHWAY

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

EX R/W

STH 36

MATCH LINE 240+00

MATCH LINE 226+25

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

W RAMSEY AVE

EX R/W

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

REMOVING GUARDRAIL STA 245+53 - 248+58

REMOVING GUARDRAIL STA 244+84 - 247+88

REMOVING GUARDRAIL STA 249+54 - 263+31

EX R/W

MATCH LINE 254+00

MATCH LINE 240+00

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 25	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 11

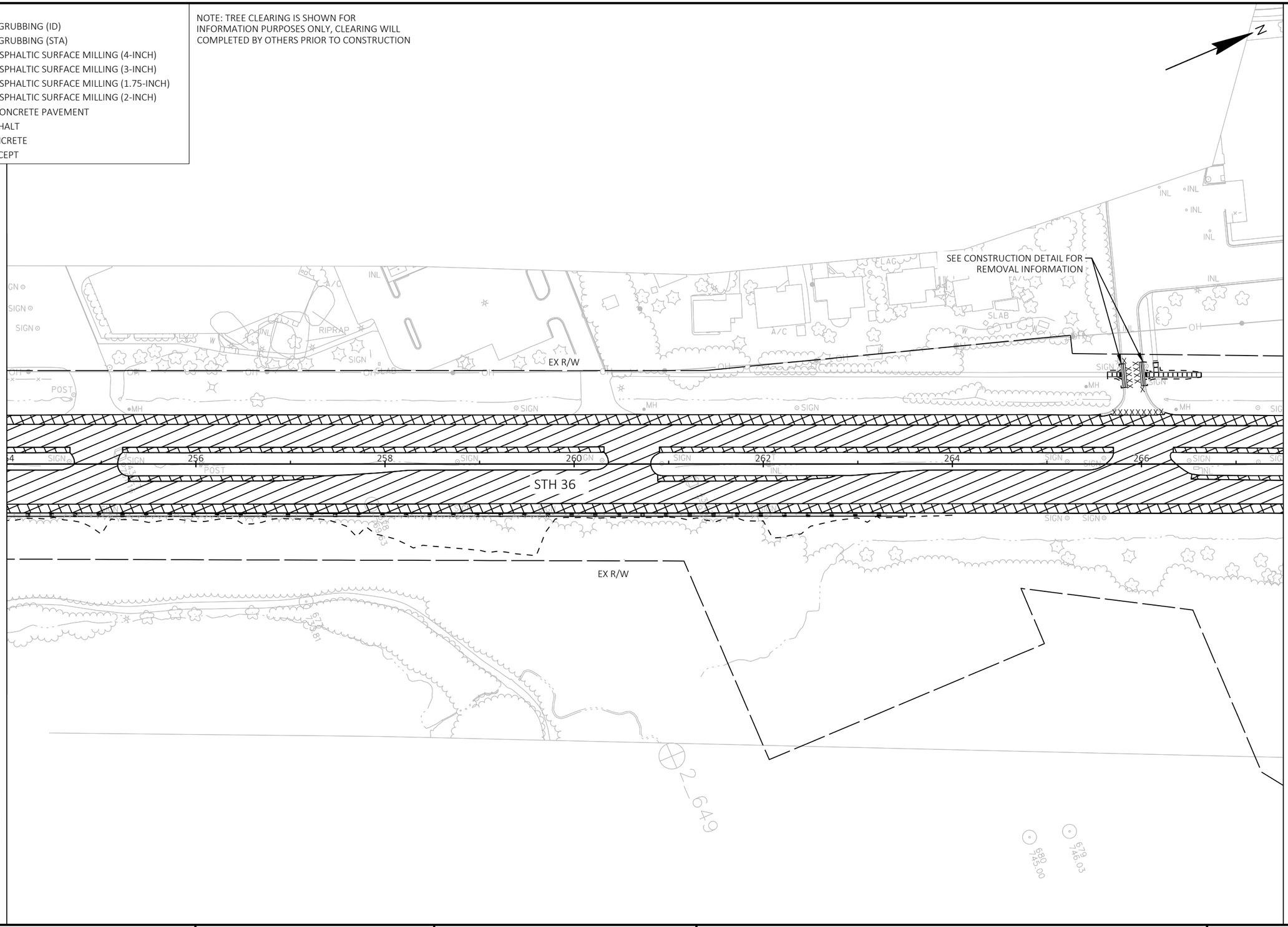
PLOT DATE : 1/10/2024 4:03 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- ------ — SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 26	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 12

PLOT DATE : 1/10/2024 4:05 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

W GRANGE RD

SEE CONSTRUCTION DETAIL FOR REMOVAL INFORMATION

EX R/W

STH 36

MATCH LINE 267+50

MATCHLINE 279+50

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 27	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 13
PLOT DATE : 1/10/2024 4:07 PM
PLOT BY : AARON SCHRAMM
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CLEARING & GRUBBING (ID)
- CLEARING & GRUBBING (STA)
- REMOVING ASPHALTIC SURFACE MILLING (4-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (3-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (1.75-INCH)
- REMOVING ASPHALTIC SURFACE MILLING (2-INCH)
- REMOVING CONCRETE PAVEMENT
- YYYYYY — SAWING ASPHALT
- XXXXXX — SAWING CONCRETE
- SLOPE INTERCEPT

NOTE: TREE CLEARING IS SHOWN FOR INFORMATION PURPOSES ONLY, CLEARING WILL COMPLETED BY OTHERS PRIOR TO CONSTRUCTION

N

MATCH LINE 293+75

2

END PROJECT
STA 293+25.00
BUTT JOINT REQ'D
MATCH EXISTING

EX R/W

STH 36

280 282 284 286 288 290 292

EX R/W

MATCH LINE 279+50

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 28	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021002-RM.DWG
LAYOUT NAME - 14

PLOT DATE : 1/10/2024 4:08 PM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

17+00 18+00 19+00 20+00 21+00 22+00

STH 36 R/L

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

STH 36

2217+00 2218+00 2219+00 2220+00 2221+00 2222+00

STH 36 SIDEWALK R/L

SI

SI

S1

C1

EX R/W

STH 100

MATCHLINE 2222+25.00

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

23+00 24+00 25+00 26+00 27+00

STH 36 R/L

STH 36

MATCHLINE 2222+25.00

2223+00 2224+00 2225+00 2226+00 2227+00

STH 36 SIDEWALK R/L

SI

SI

D1

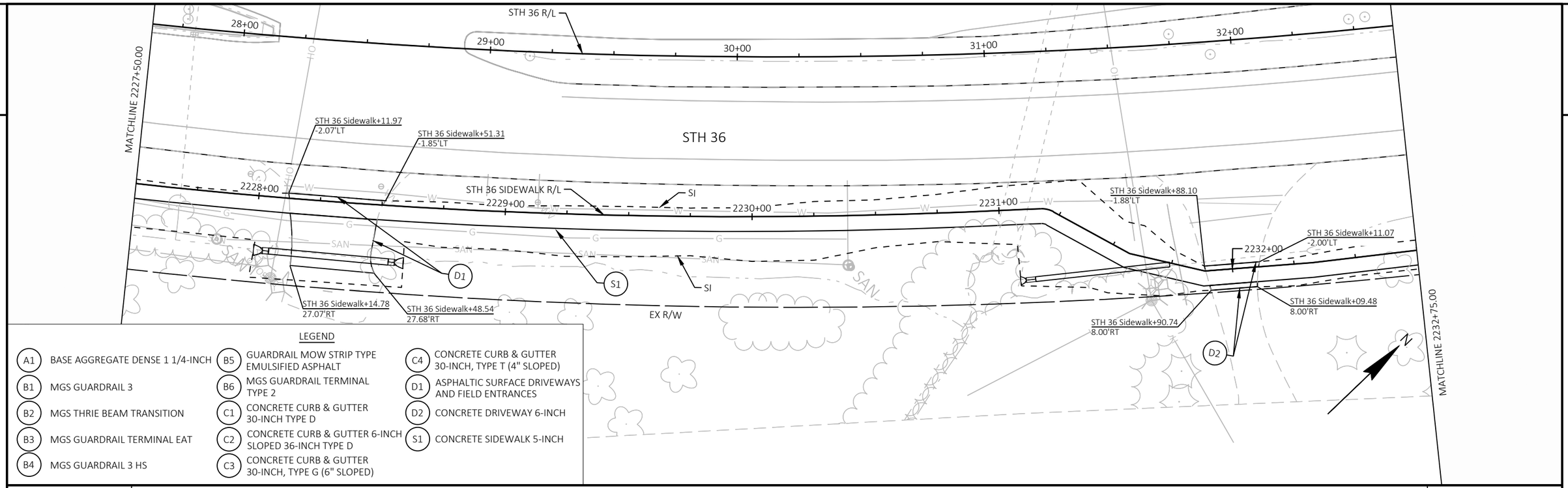
S1

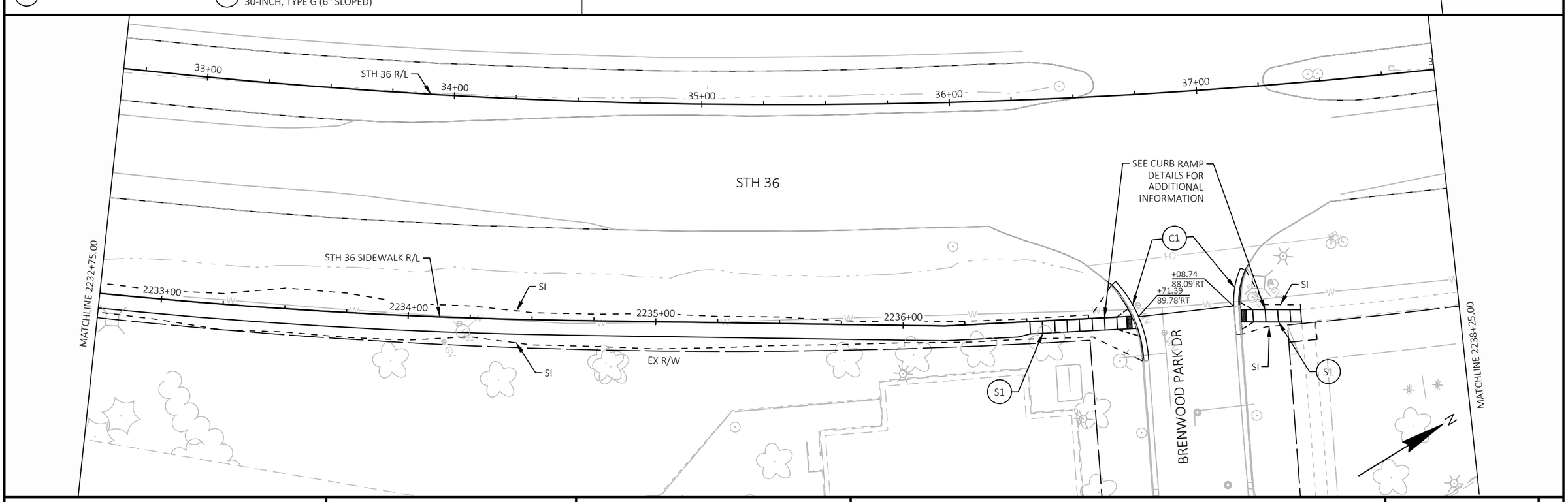
EX R/W

MATCHLINE 2227+50.00

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 29	E

2





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 30	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 02
PLOT DATE : 1/10/2024 10:31 AM
PLOT BY : AARON SCHRAMM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

8+00 39+00 40+00 41+00 42+00 43+00

MATCHLINE 2238+25.00

STH 36 R/L

STH 36

EX R/W

MATCHLINE 2243+50.00

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

44+00 45+00 46+00 47+00 48+00

MATCHLINE 2243+50.00

STH 36 R/L

STH 36

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

C1

SI

+18.60
115.99'RT

+63.83
106.49'RT

S1

W FOREST HILL AVE

STH 36 SIDEWALK R/L

2247+00

2248+00

EX R/W

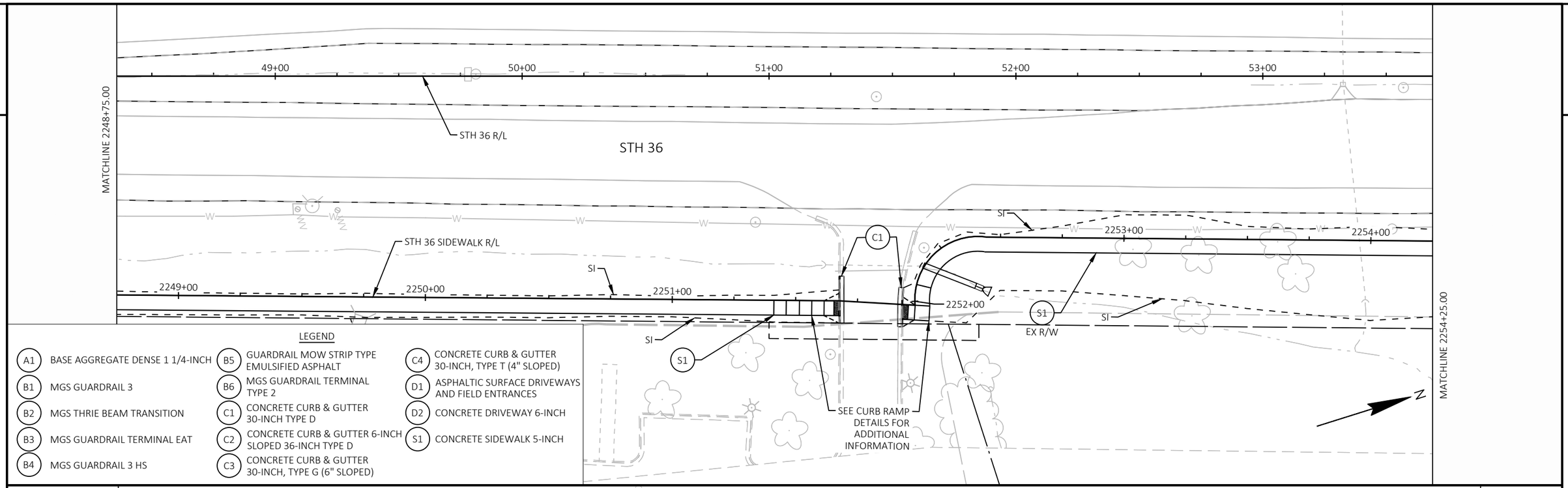
MATCHLINE 2248+75.00

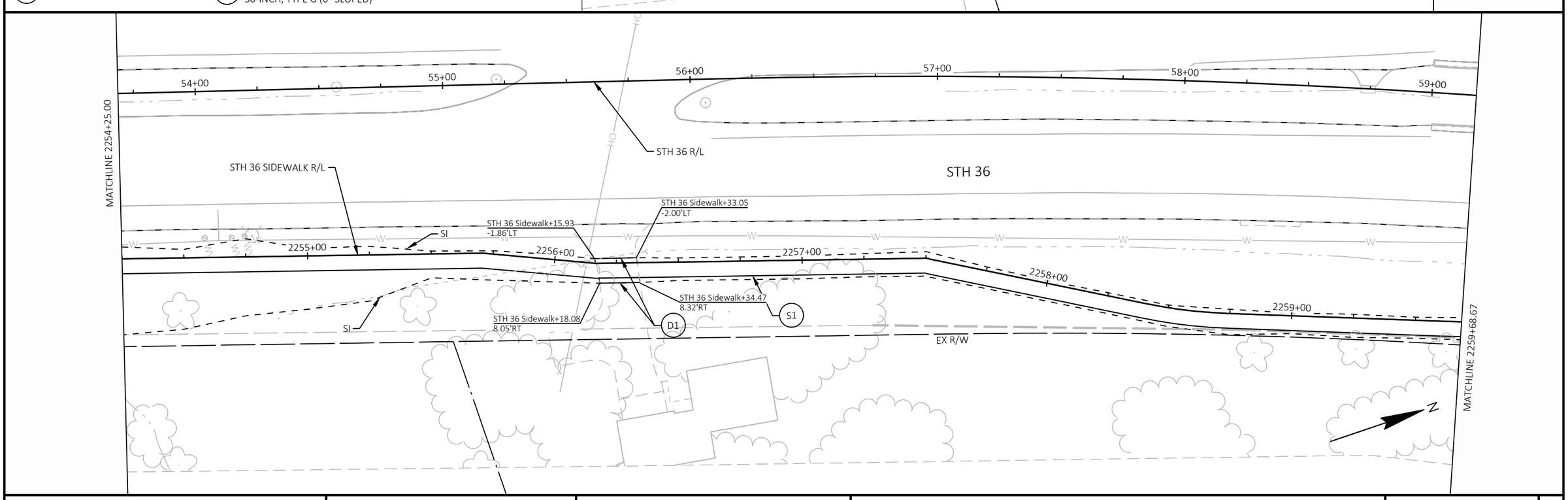
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 31	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 03

PLOT DATE : 1/10/2024 10:33 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

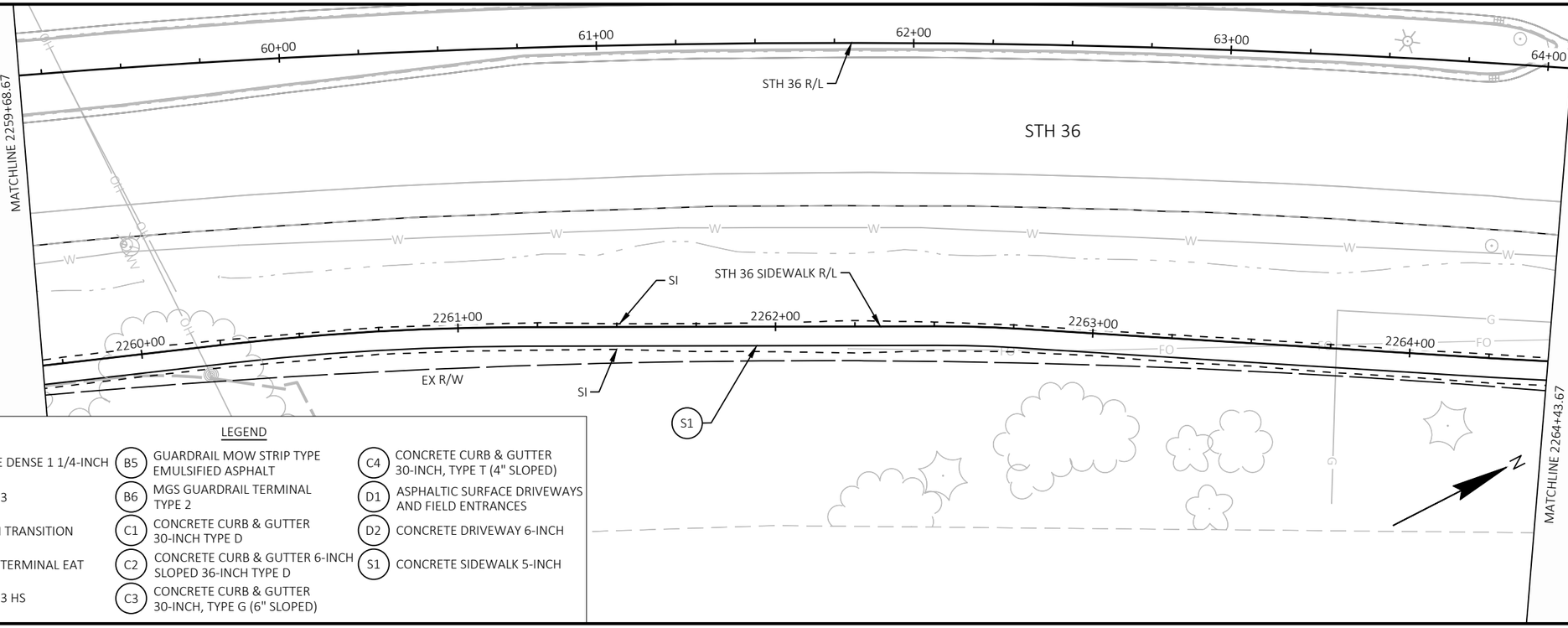
2





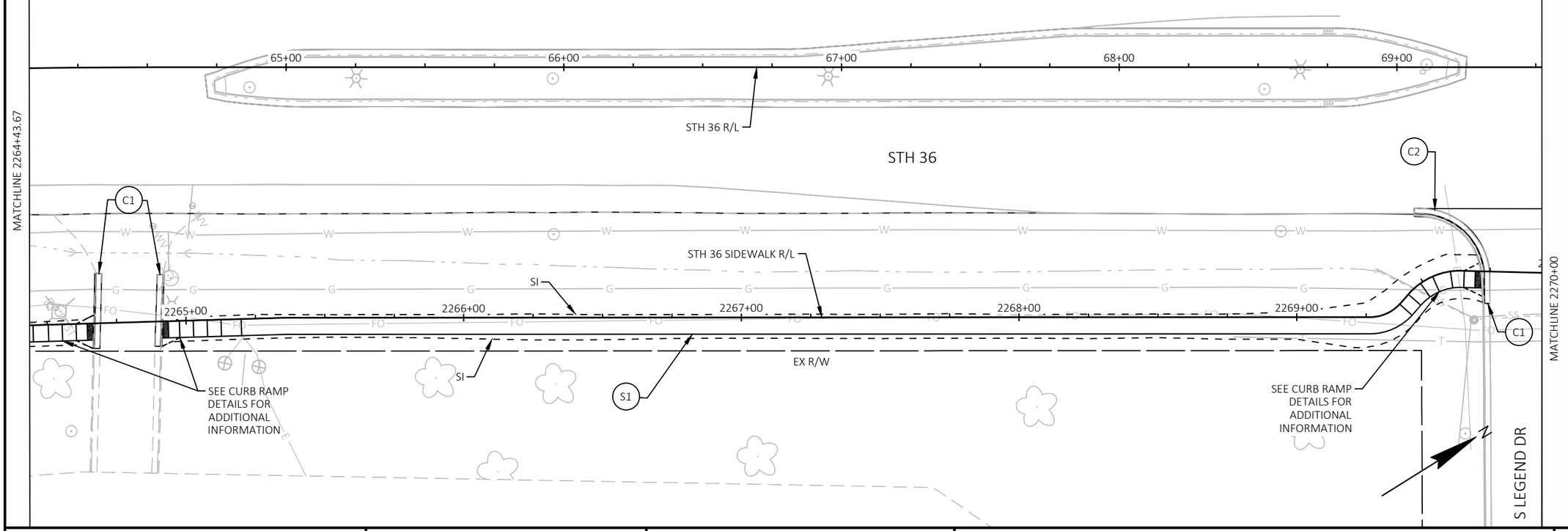
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 32	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 04
PLOT DATE : 1/10/2024 10:35 AM
PLOT BY : AARON SCHRAMM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 33	E

2

2

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	

EX R/W

70+00 71+00 72+00 73+00 74+00 75+00

STH 36 R/L

STH 36

C2

MATCHLINE 2270+00

2271+00

270+00

SI

STH 36 SIDEWALK R/L

2272+00

2273+00

2274+00

2275+00

C1

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SI

EX R/W

S1

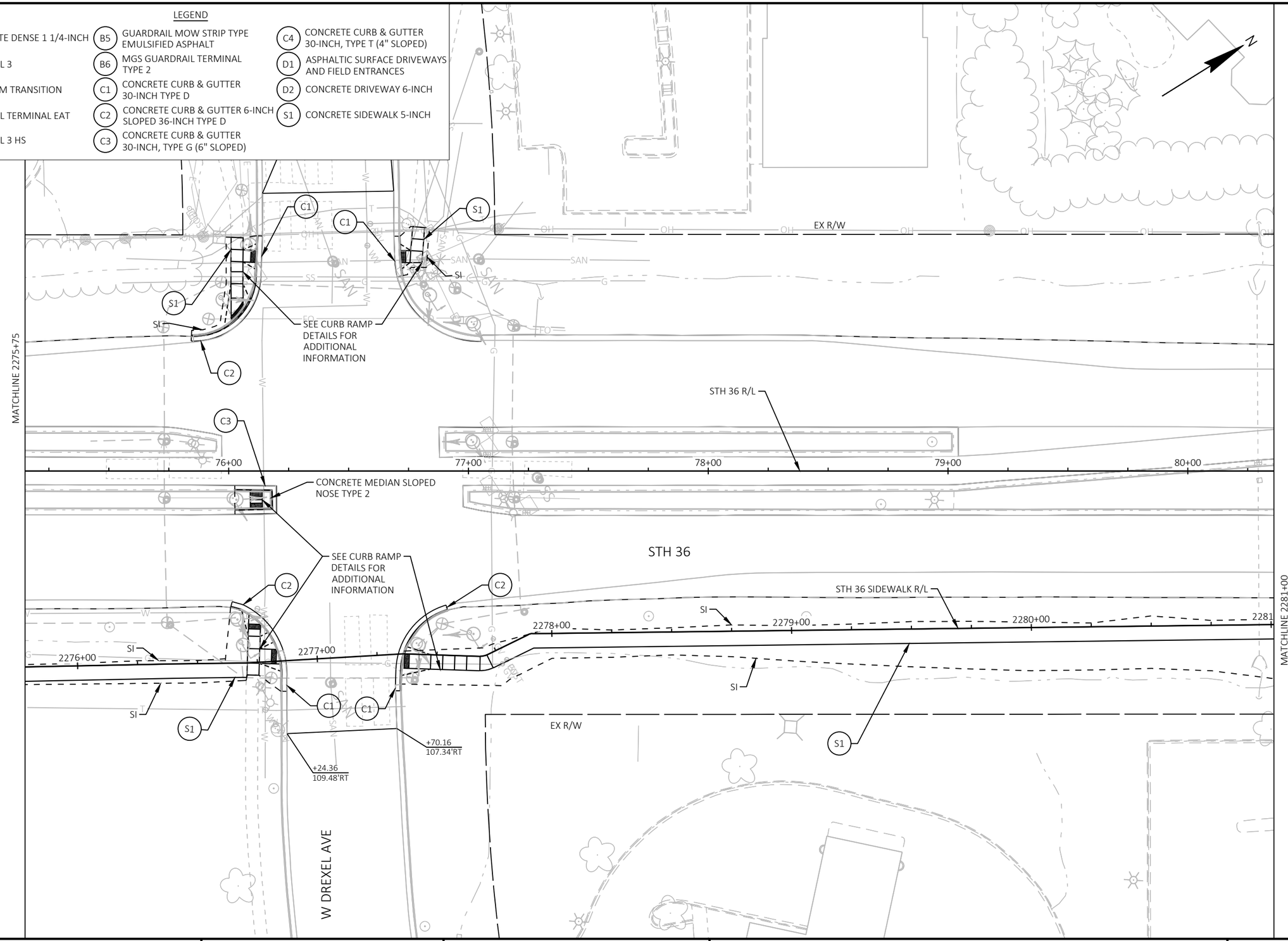
S LEGEND DR

MATCHLINE 2275+75

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 34	E

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 35	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 07

PLOT DATE : 1/10/2024 10:40 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE 2281+14.00

81+00 82+00 83+00 84+00 85+00

STH 36 R/L

STH 36

STH 36 SIDEWALK R/L

SI

2282+00 2283+00 2284+00 2285+00 2286+00

SI

S1

EX R/W

MATCHLINE 2286+39.00

N

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

86+00 87+00 88+00 89+00 90+00

STH 36 R/L

STH 36

MATCHLINE 2286+39.00

SI

STH 36 SIDEWALK R/L

2287+00 2288+00 2289+00 2290+00 2291+00

SI

EX R/W

S1

MATCHLINE 2291+64.00

N

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 36	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 08

PLOT DATE : 1/10/2024 10:42 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STH 36

MATCHLINE 2291+64.00

SI

STH 36 SIDEWALK R/L

2292+00

2293+00

2294+00

2295+00

2296+00

2297+00

SI

EX R/W

S1

MATCHLINE 2297+13.98

N

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

STH 36

MATCHLINE 2297+13.98

STH 36 SIDEWALK R/L

SI

2298+00

2299+00

2300+00

2301+00

2302+00

STH 36 Sidewalk+53.14
-2.00'LT

STH 36 Sidewalk+61.02
-2.00'LT

SI

S1

STH 36 Sidewalk+58.85
8.00'RT

STH 36 Sidewalk+50.68
8.00'RT

EX R/W

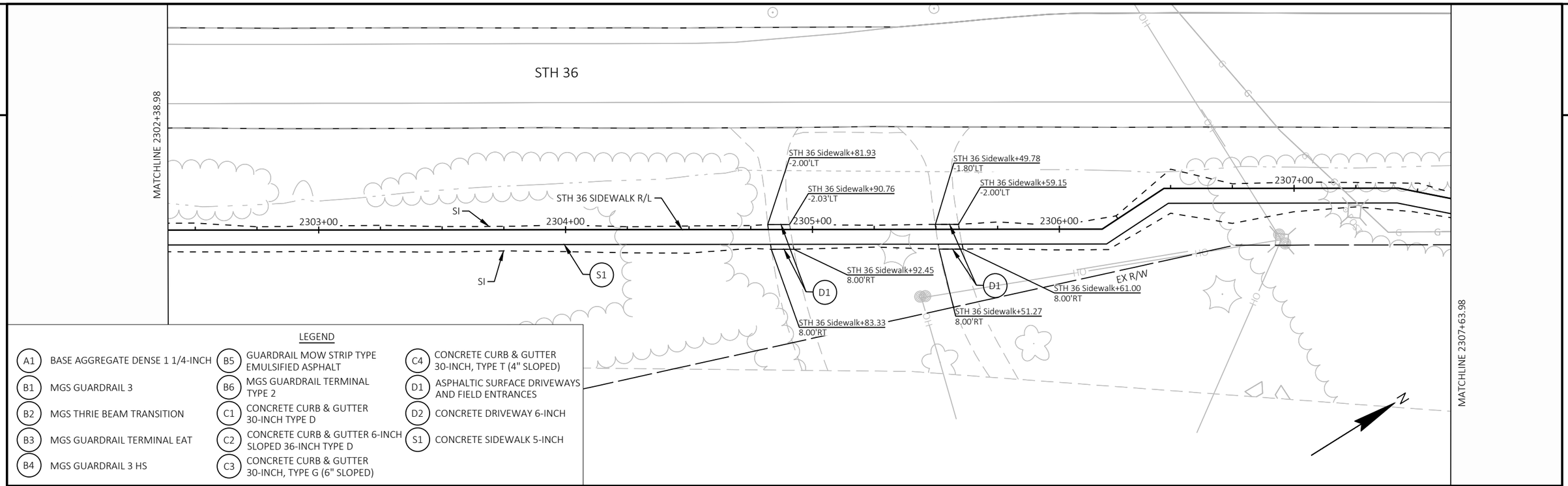
MATCHLINE 2302+38.98

N

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 37	E

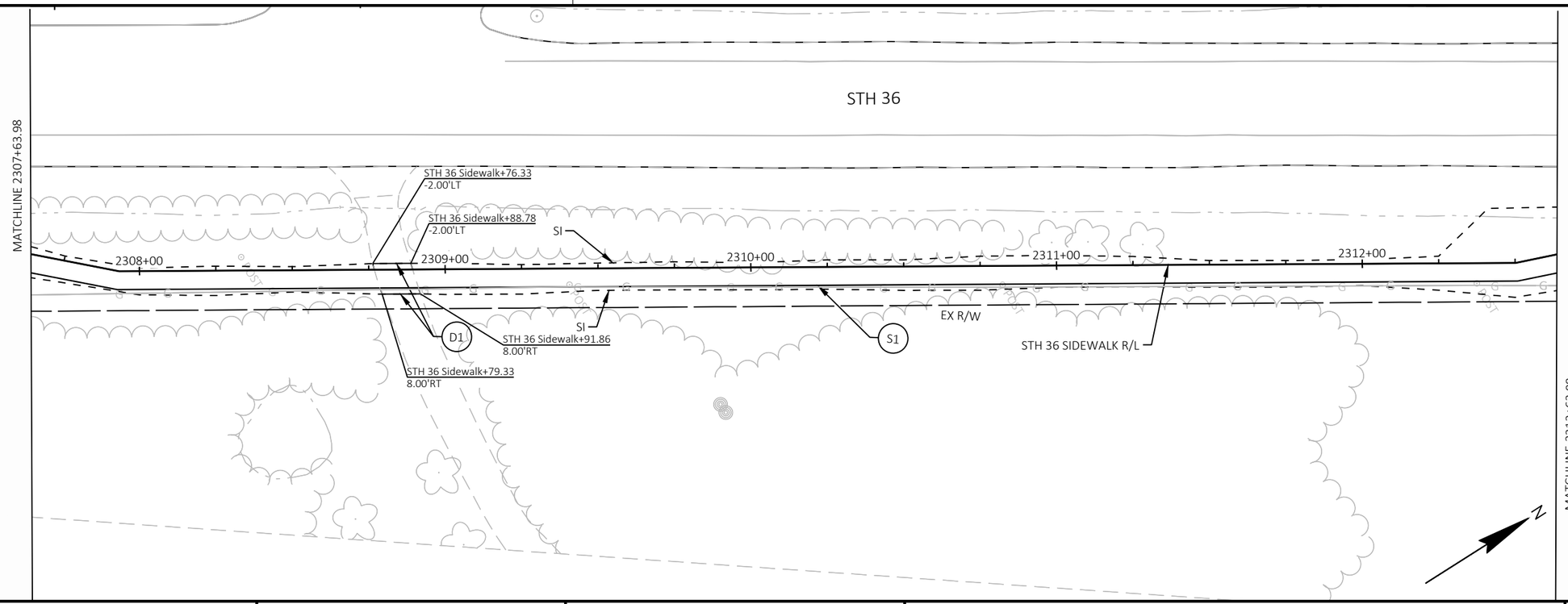
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 09

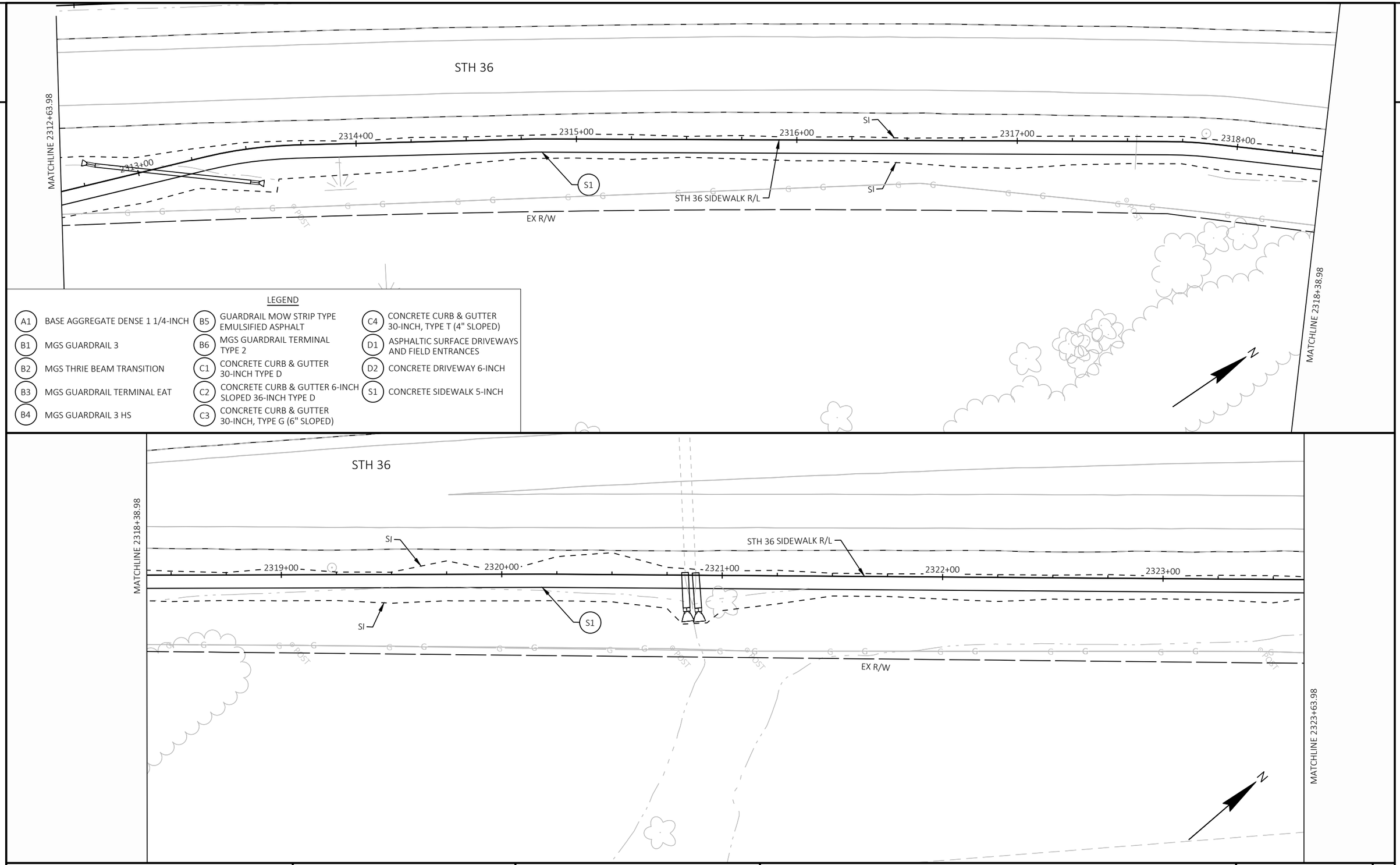
PLOT DATE : 1/10/2024 10:44 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 39	E

2

STH 36

MATCHLINE 2323+63.98

2324+00

2325+00

2326+00

SI

2327+00

2328+00

STH 36 SIDEWALK R/L

S1

SI

EX R/W

MATCHLINE 2328+88.99

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

STH 36

STH 36 EXIT RAMP

MATCHLINE 2328+88.99

2329+00

2330+00

2331+00

SI

2332+00

2333+00

2334+00

EX R/W

SI

STH 36 SIDEWALK R/L

S1

MATCHLINE 2334+38.99

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 40	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12

PLOT DATE : 1/10/2024 10:51 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STH 36 EXIT RAMP
TO 76TH ST

STH 36 EXIT RAMP
TO RAWSON

MATCHLINE 2334+38.99

2335+00 2336+00 2337+00 2338+00 2339+00

SI SI SI

S1

STH 36 SIDEWALK R/L

EX R/W

POST

MATCHLINE 2339+63.99

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

MATCHLINE 2339+63.99

2340+00 2341+00 2342+00 2343+00 2344+00

STH 36 SIDEWALK R/L

STH 36 EXIT RAMP
TO RAWSON

SI SI

S1 +12.40 278.58'RT C1

C1 +55.03 313.26'RT S1

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

W RAWSON AVE

EX R/W

N

POST

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 41	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 13

PLOT DATE : 1/10/2024 10:53 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

EX R/W

STH 36 ENTRANCE RAMP

SI

+37.14
-362.57'LT

S1

C1

CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

+32.03
-278.20'LT

+89.89
-361.94'LT

+25.38
-331.46'LT

N

W RAWSON AVE

STH 36

STH 36 R/L

133+00

134+00

135+00

136+00

137+00

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 42	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 14

PLOT DATE : 1/10/2024 10:54 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- A1 BASE AGGREGATE DENSE 1 1/4-INCH
- B1 MGS GUARDRAIL 3
- B2 MGS THRIE BEAM TRANSITION
- B3 MGS GUARDRAIL TERMINAL EAT
- B4 MGS GUARDRAIL 3 HS
- B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT
- B6 MGS GUARDRAIL TERMINAL TYPE 2
- C1 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)
- C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
- D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- D2 CONCRETE DRIVEWAY 6-INCH
- S1 CONCRETE SIDEWALK 5-INCH

EX R/W

B5

B2

SI

B3

+69.41
-108.72'LT
POST #1

+76.88
-106.60'LT

+19.41
-106.85'LT
POST #9

+44.41
-107.79'LT
POST #5

FO

STH 36 R/L

140+00 141+00 142+00 143+00 144+00 145+00 146+00

STH 36

W RAWSON AVE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 43	E

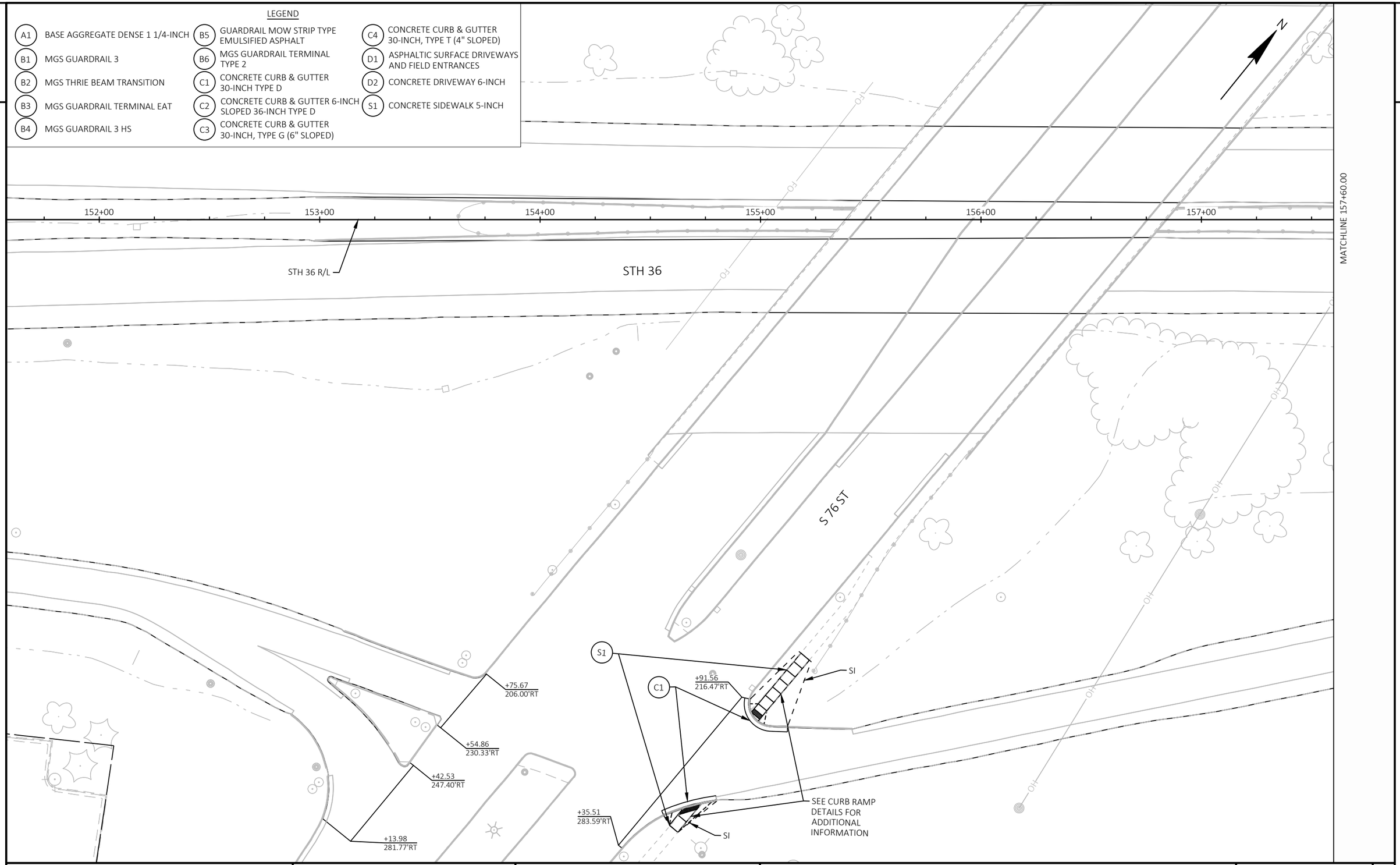
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 15

PLOT DATE : 1/10/2024 10:56 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 44	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 16

PLOT DATE : 1/10/2024 10:57 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EX R/W

L7

+19.90
-321.36'LT

S 76 ST

+75.59
-269.58'LT

S1

+71.82
-357.99'LT

C1

SI

+38.09
-317.43'LT

C1

CONCRETE MEDIAN
SLOPED NOSE TYPE 2

SI

+87.12
-256.66'LT

+03.55
-276.32'LT

CONCRETE MEDIAN
SLOPED NOSE TYPE 2

SEE CURB RAMP
DETAILS FOR
ADDITIONAL
INFORMATION

SI

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

N

MATCHLINE 157+60.00

STH 36

STH 36 R/L

158+00 159+00 160+00 161+00 162+00 163+00

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 45	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 17

PLOT DATE : 1/10/2024 10:58 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

HORIZON DR

EX R/W

SOLAR PANEL

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

CONCRETE MEDIAN SLOPED NOSE TYPE 1

188+00 189+00 190+00 191+00 192+00 193+00

STH 36 R/L

STH 36

MATCHLINE 193+75.00

S 68 ST

*PLACE 2" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER EXISTING BASE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 46	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 18

PLOT DATE : 1/10/2024 11:00 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

ROOT RIVER PKWY

EX R/W

SI

C1

+96.37
-89.60'LT

SI

+59.81
-90.75'LT

S1

* D1

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

+85.32
-50.01'LT

+19.98
-50.33'LT

MATCHLINE 193+75.00

STH 36 R/L

194+00 195+00 196+00 197+00 198+00 199+00

PROTECTIVE SURFACE TREATMENT RESEAL
B-40-0387

STH 36

+86.80
69.18'RT

+17.93
69.01'RT

ROOT RIVER

*PLACE 2" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER EXISTING BASE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 47	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 19

PLOT DATE : 1/10/2024 11:01 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	

N

OH

207+00

208+00

209+00

210+00

211+00

212+00

C1

+94.05
51.95'RT

+67.19
65.62'RT

+63.64
86.00'RT

+36.57
85.92'RT

RADBURN LN

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 48	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 20

PLOT DATE : 1/10/2024 11:03 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

INDUSTRIAL LOOP

+87.57
-118.01'LT

+36.12
-115.53'LT

EX R/W

EX R/W

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SI

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SI

S1

C2

STH 36 R/L

215+00 216+00 217+00 218+00 219+00 220+00

CONCRETE MEDIAN SLOPED NOSE TYPE 1

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

C3

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

STH 36

C1

SI

SI

EX R/W

EX R/W

S1

W COLLEGE AVE

+95.09
176.55'RT

+27.05
176.51'RT

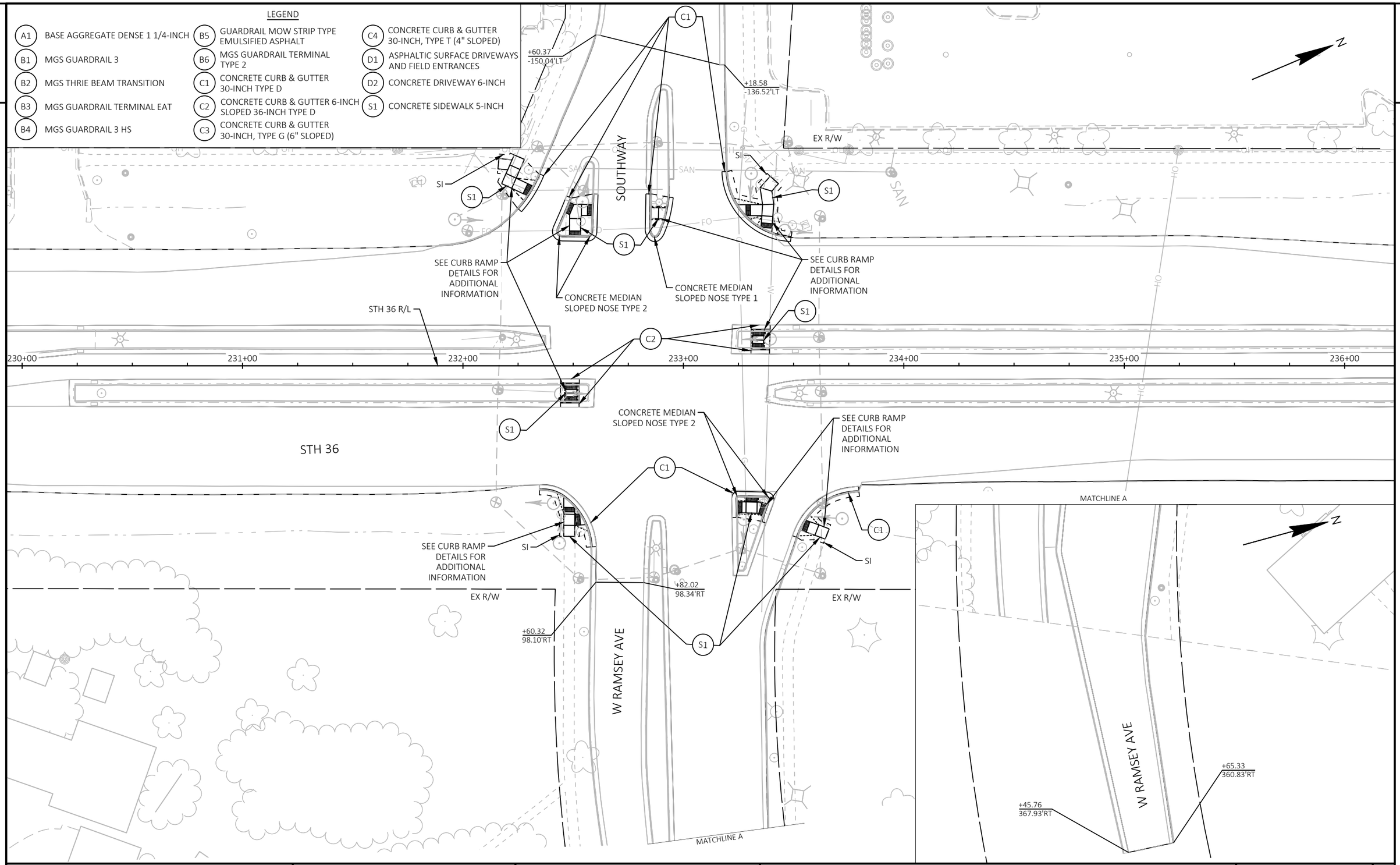
2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 49	E

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 50	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 21
PLOT DATE : 1/10/2024 11:07 AM
PLOT BY : AARON SCHRAMM
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	

N

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

WEDGE BRIDGE APPROACH AT ABUTMENT RAMPS. SEE CONSTRUCTION DETAILS FOR MORE INFORMATION

EX R/W

SI

S1

C4

S1

SI

STH 36

+53.44
-52.00'LT

SI

+03.66
-52.26'LT
POST #9

+28.63
-53.25'LT
POST #5

+53.66
-54.16'LT
POST #1

B6

B5

B1

B3

STH 36 R/L

242+00

243+00

244+00

245+00

246+00

247+00

STH 36

B3

+25.45
53.04'RT
POST #5

+50.45
52.12'RT
POST #9

B5

B1

B6

+52.20
52.00'RT

+00.45
53.96'RT
POST #1

SI

MATCHLINE 247+70.00

EX R/W

WEDGE BRIDGE APPROACH AT ABUTMENT RAMPS. SEE CONSTRUCTION DETAILS FOR MORE INFORMATION

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 51	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 22

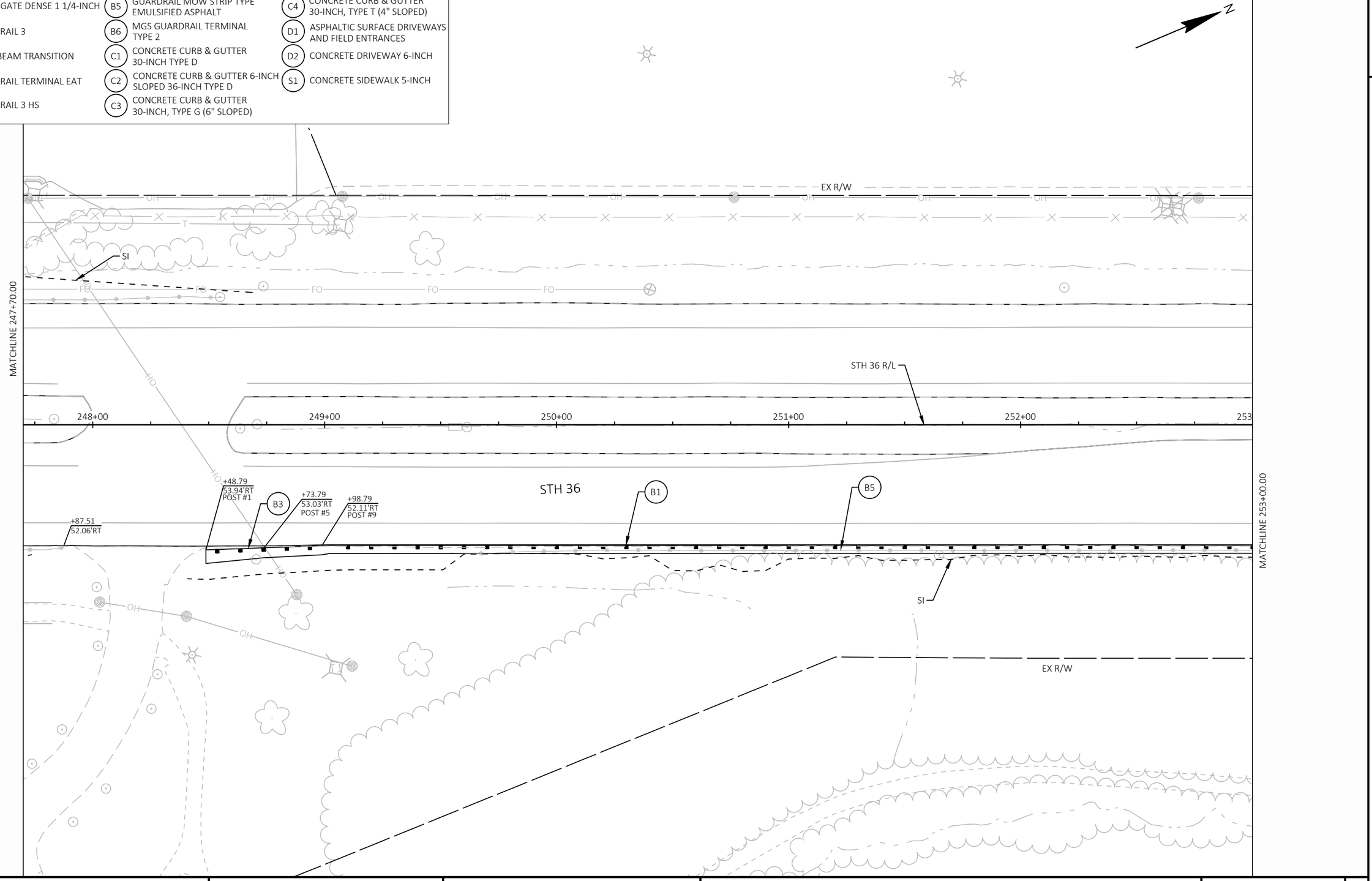
PLOT DATE : 1/10/2024 11:08 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 52	E

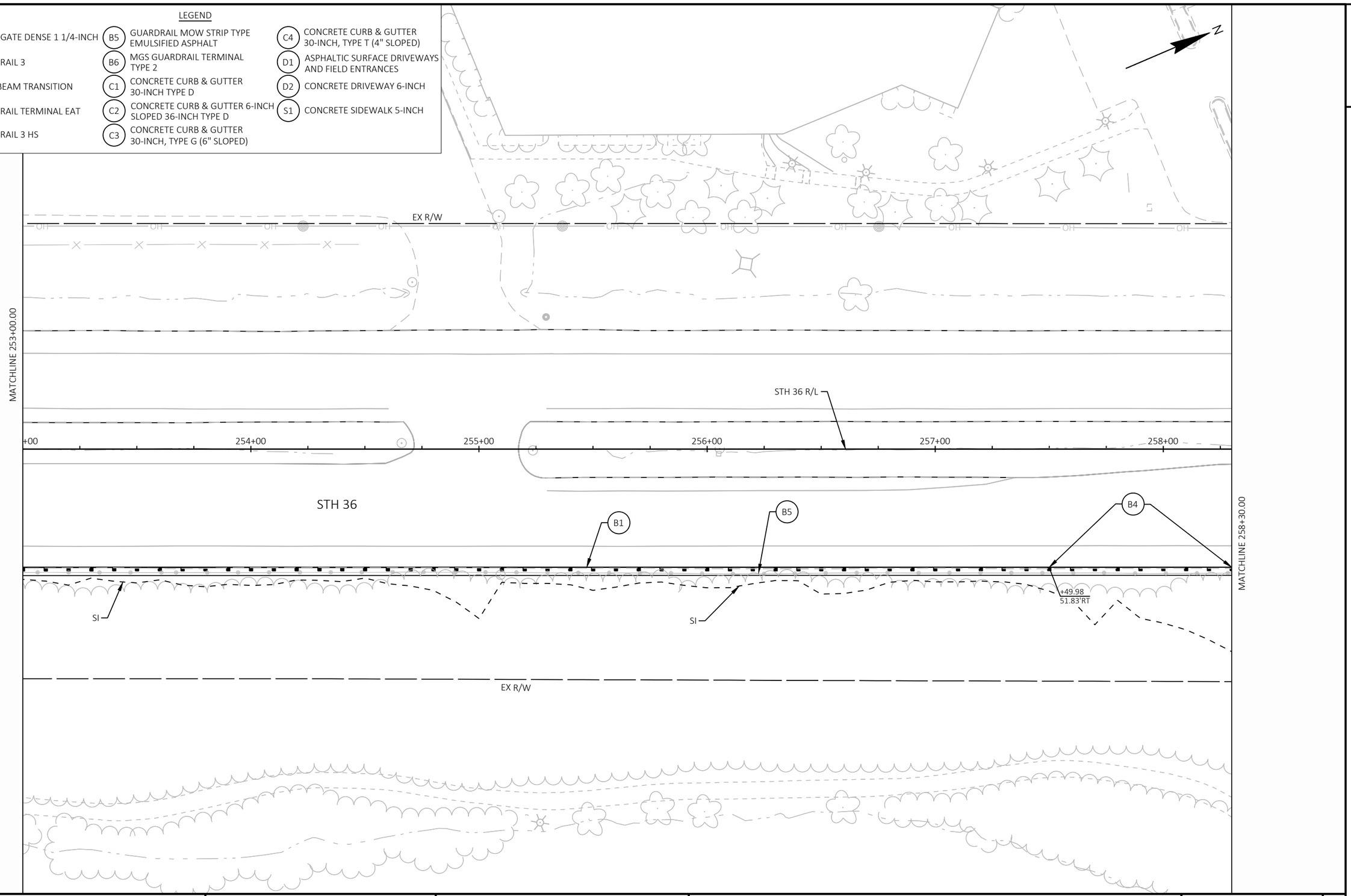
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 23

PLOT DATE : 1/10/2024 11:10 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1 BASE AGGREGATE DENSE 1 1/4-INCH	B5 GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4 CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1 MGS GUARDRAIL 3	B6 MGS GUARDRAIL TERMINAL TYPE 2	D1 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2 MGS THRIE BEAM TRANSITION	C1 CONCRETE CURB & GUTTER 30-INCH TYPE D	D2 CONCRETE DRIVEWAY 6-INCH
B3 MGS GUARDRAIL TERMINAL EAT	C2 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1 CONCRETE SIDEWALK 5-INCH
B4 MGS GUARDRAIL 3 HS	C3 CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)	



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 53	E

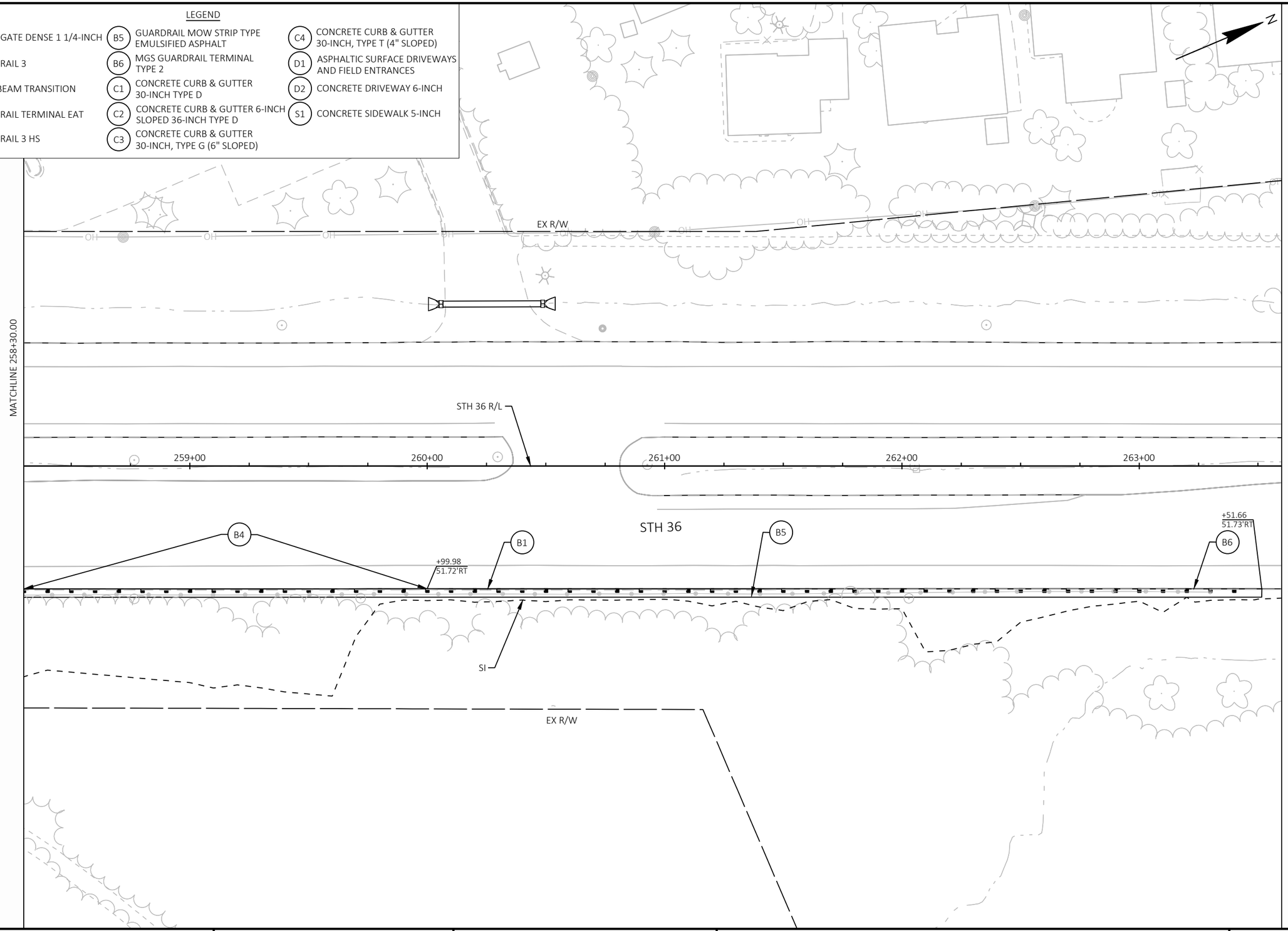
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 24

PLOT DATE : 1/10/2024 11:11 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		



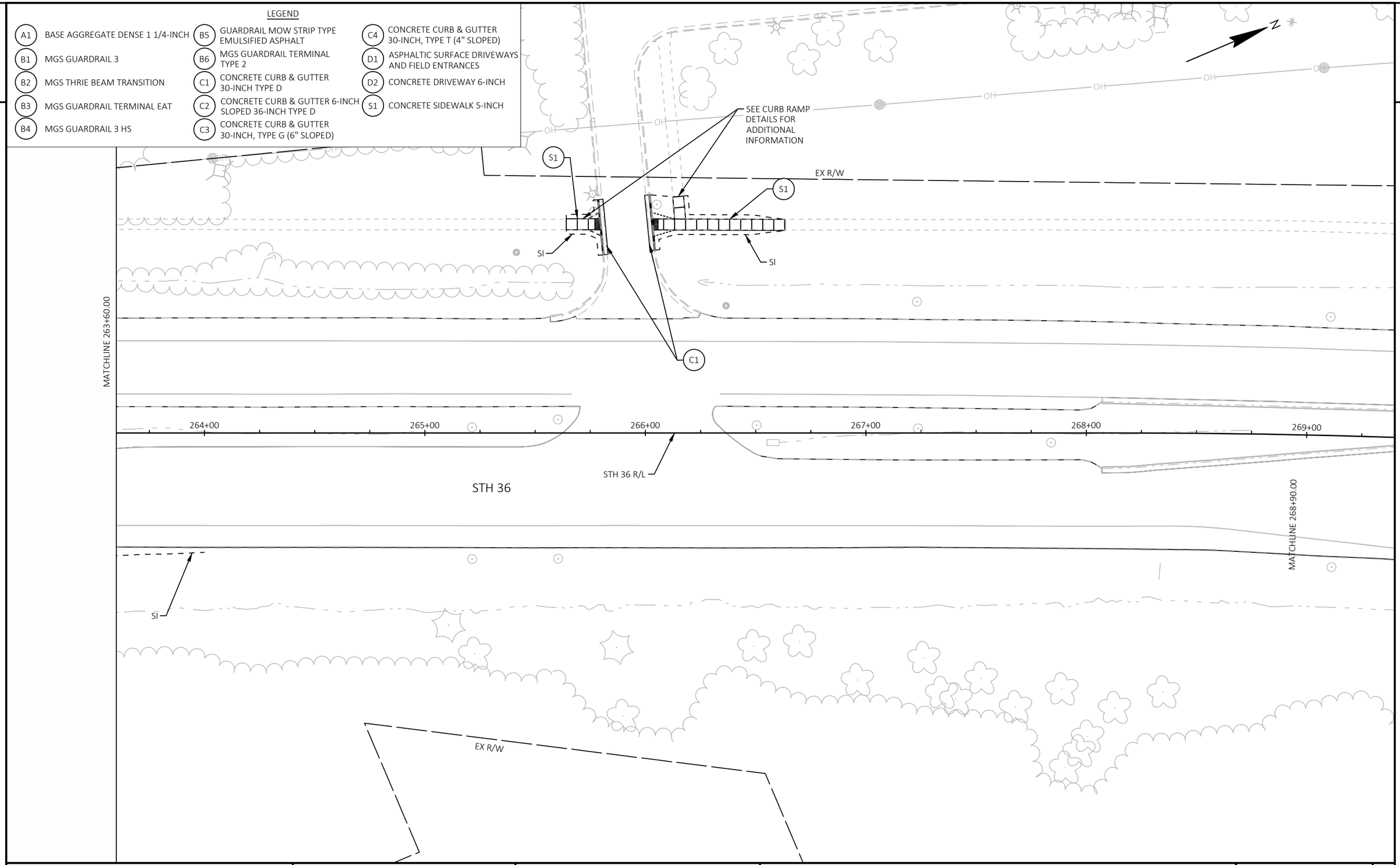
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 54	E

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 55	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 26

PLOT DATE : 1/10/2024 11:15 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

MATCHLINE C

EX R/W

EX R/W

N

SI

C1

S1

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1

C3

270+00

271+00

272+00

273+00

274+00

275+00

276+00

STH 36 R/L

STH 36

+59.12
115.45'RT

+34.25
129.92'RT

W GRANGE RD

MATCHLINE B

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 56	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 27

PLOT DATE : 1/10/2024 11:16 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

N

W GRANGE RD

+24.53
-258.89'LT

+01.60
-245.35'LT

+25.84
-303.78'LT

+04.45
-291.83'LT

+97.36
-394.35'LT

+86.02
-387.93'LT

MATCHLINE C

OHL

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 57	E

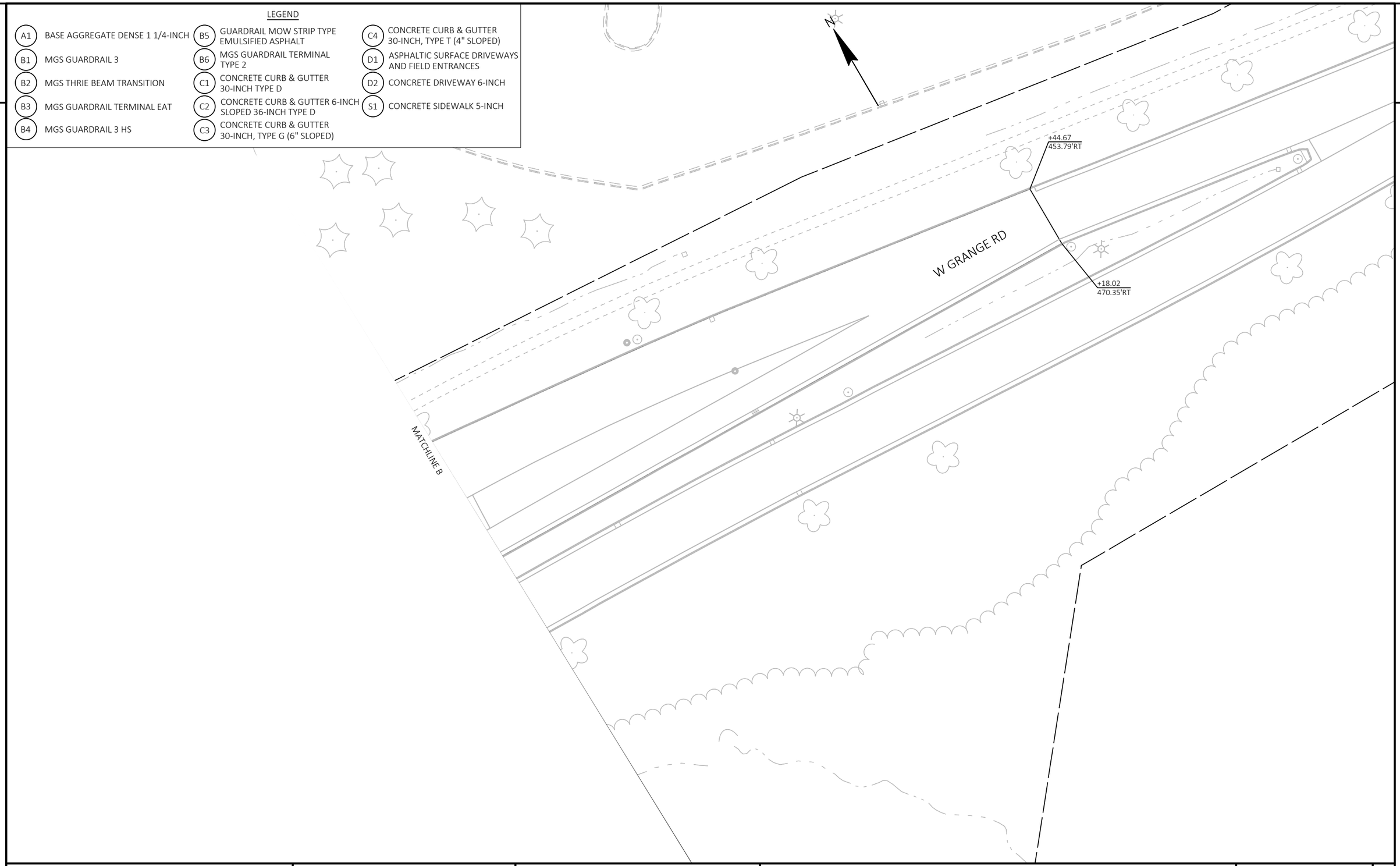
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 27 (2)

PLOT DATE : 1/10/2024 11:18 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

A1	BASE AGGREGATE DENSE 1 1/4-INCH	B5	GUARDRAIL MOW STRIP TYPE EMULSIFIED ASPHALT	C4	CONCRETE CURB & GUTTER 30-INCH, TYPE T (4" SLOPED)
B1	MGS GUARDRAIL 3	B6	MGS GUARDRAIL TERMINAL TYPE 2	D1	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B2	MGS THRIE BEAM TRANSITION	C1	CONCRETE CURB & GUTTER 30-INCH TYPE D	D2	CONCRETE DRIVEWAY 6-INCH
B3	MGS GUARDRAIL TERMINAL EAT	C2	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	S1	CONCRETE SIDEWALK 5-INCH
B4	MGS GUARDRAIL 3 HS	C3	CONCRETE CURB & GUTTER 30-INCH, TYPE G (6" SLOPED)		

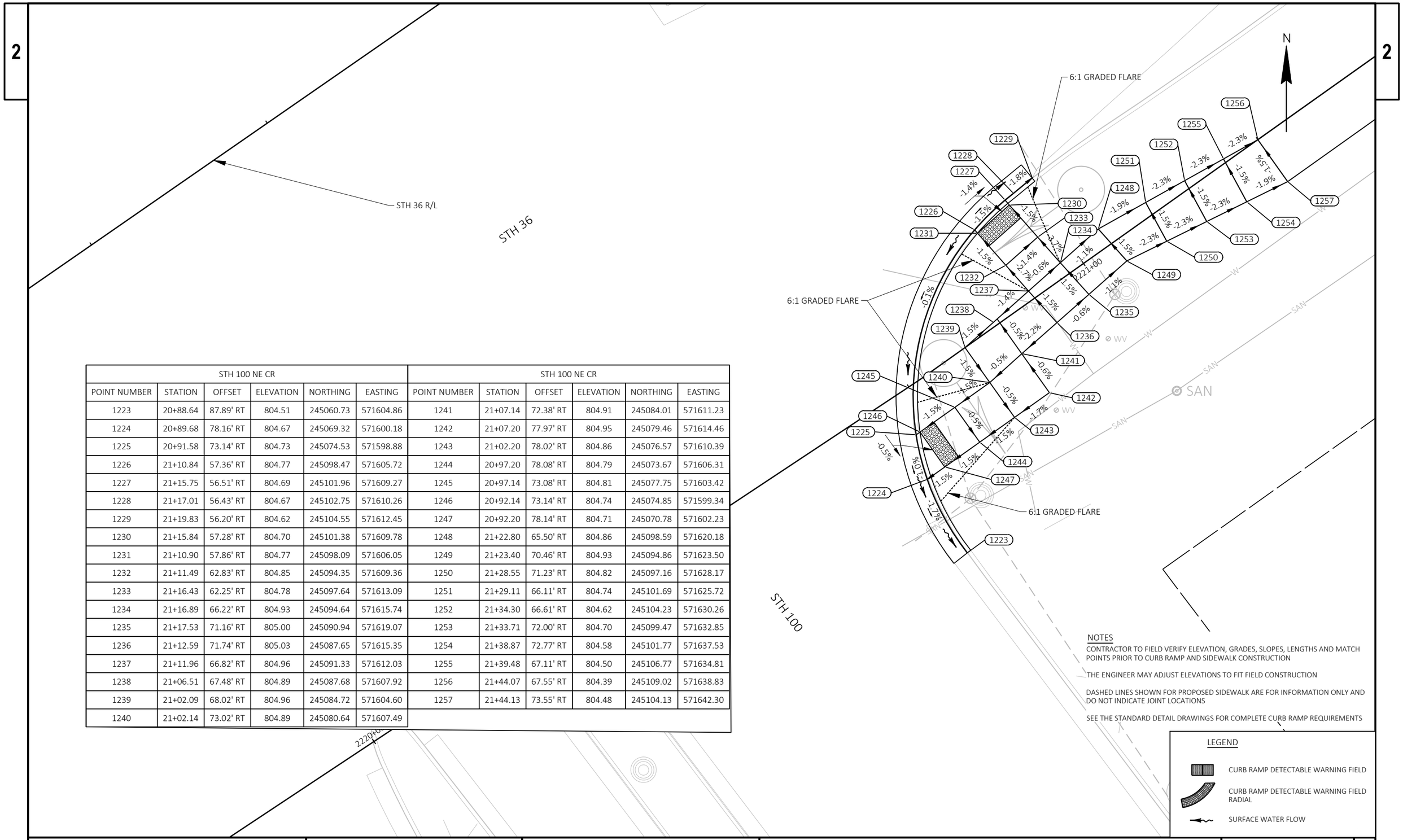


2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 58	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 27 (3)

PLOT DATE : 1/10/2024 11:19 AM PLOT BY : AARON SCHRAMM PLOT NAME : PLOT SCALE : 1 IN:40 FT



STH 100 NE CR						STH 100 NE CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1223	20+88.64	87.89' RT	804.51	245060.73	571604.86	1241	21+07.14	72.38' RT	804.91	245084.01	571611.23
1224	20+89.68	78.16' RT	804.67	245069.32	571600.18	1242	21+07.20	77.97' RT	804.95	245079.46	571614.46
1225	20+91.58	73.14' RT	804.73	245074.53	571598.88	1243	21+02.20	78.02' RT	804.86	245076.57	571610.39
1226	21+10.84	57.36' RT	804.77	245098.47	571605.72	1244	20+97.20	78.08' RT	804.79	245073.67	571606.31
1227	21+15.75	56.51' RT	804.69	245101.96	571609.27	1245	20+97.14	73.08' RT	804.81	245077.75	571603.42
1228	21+17.01	56.43' RT	804.67	245102.75	571610.26	1246	20+92.14	73.14' RT	804.74	245074.85	571599.34
1229	21+19.83	56.20' RT	804.62	245104.55	571612.45	1247	20+92.20	78.14' RT	804.71	245070.78	571602.23
1230	21+15.84	57.28' RT	804.70	245101.38	571609.78	1248	21+22.80	65.50' RT	804.86	245098.59	571620.18
1231	21+10.90	57.86' RT	804.77	245098.09	571606.05	1249	21+23.40	70.46' RT	804.93	245094.86	571623.50
1232	21+11.49	62.83' RT	804.85	245094.35	571609.36	1250	21+28.55	71.23' RT	804.82	245097.16	571628.17
1233	21+16.43	62.25' RT	804.78	245097.64	571613.09	1251	21+29.11	66.11' RT	804.74	245101.69	571625.72
1234	21+16.89	66.22' RT	804.93	245094.64	571615.74	1252	21+34.30	66.61' RT	804.62	245104.23	571630.26
1235	21+17.53	71.16' RT	805.00	245090.94	571619.07	1253	21+33.71	72.00' RT	804.70	245099.47	571632.85
1236	21+12.59	71.74' RT	805.03	245087.65	571615.35	1254	21+38.87	72.77' RT	804.58	245101.77	571637.53
1237	21+11.96	66.82' RT	804.96	245091.33	571612.03	1255	21+39.48	67.11' RT	804.50	245106.77	571634.81
1238	21+06.51	67.48' RT	804.89	245087.68	571607.92	1256	21+44.07	67.55' RT	804.39	245109.02	571638.83
1239	21+02.09	68.02' RT	804.96	245084.72	571604.60	1257	21+44.13	73.55' RT	804.48	245104.13	571642.30
1240	21+02.14	73.02' RT	804.89	245080.64	571607.49						

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

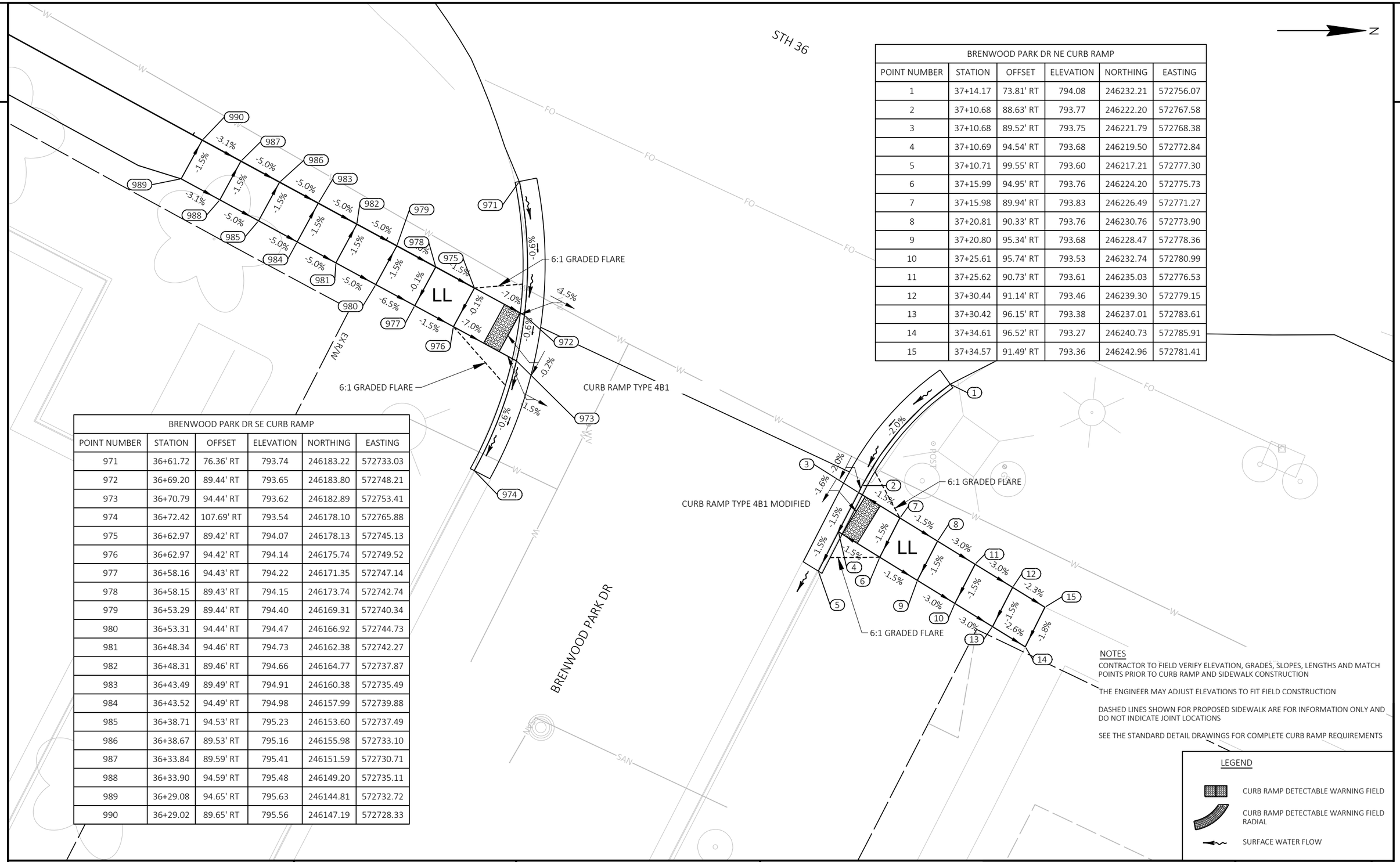
DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STH 100	SHEET 59	E



BRENWOOD PARK DR SE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
971	36+61.72	76.36' RT	793.74	246183.22	572733.03
972	36+69.20	89.44' RT	793.65	246183.80	572748.21
973	36+70.79	94.44' RT	793.62	246182.89	572753.41
974	36+72.42	107.69' RT	793.54	246178.10	572765.88
975	36+62.97	89.42' RT	794.07	246178.13	572745.13
976	36+62.97	94.42' RT	794.14	246175.74	572749.52
977	36+58.16	94.43' RT	794.22	246171.35	572747.14
978	36+58.15	89.43' RT	794.15	246173.74	572742.74
979	36+53.29	89.44' RT	794.40	246169.31	572740.34
980	36+53.31	94.44' RT	794.47	246166.92	572744.73
981	36+48.34	94.46' RT	794.73	246162.38	572742.27
982	36+48.31	89.46' RT	794.66	246164.77	572737.87
983	36+43.49	89.49' RT	794.91	246160.38	572735.49
984	36+43.52	94.49' RT	794.98	246157.99	572739.88
985	36+38.71	94.53' RT	795.23	246153.60	572737.49
986	36+38.67	89.53' RT	795.16	246155.98	572733.10
987	36+33.84	89.59' RT	795.41	246151.59	572730.71
988	36+33.90	94.59' RT	795.48	246149.20	572735.11
989	36+29.08	94.65' RT	795.63	246144.81	572732.72
990	36+29.02	89.65' RT	795.56	246147.19	572728.33

BRENWOOD PARK DR NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1	37+14.17	73.81' RT	794.08	246232.21	572756.07
2	37+10.68	88.63' RT	793.77	246222.20	572767.58
3	37+10.68	89.52' RT	793.75	246221.79	572768.38
4	37+10.69	94.54' RT	793.68	246219.50	572772.84
5	37+10.71	99.55' RT	793.60	246217.21	572777.30
6	37+15.99	94.95' RT	793.76	246224.20	572775.73
7	37+15.98	89.94' RT	793.83	246226.49	572771.27
8	37+20.81	90.33' RT	793.76	246230.76	572773.90
9	37+20.80	95.34' RT	793.68	246228.47	572778.36
10	37+25.61	95.74' RT	793.53	246232.74	572780.99
11	37+25.62	90.73' RT	793.61	246235.03	572776.53
12	37+30.44	91.14' RT	793.46	246239.30	572779.15
13	37+30.42	96.15' RT	793.38	246237.01	572783.61
14	37+34.61	96.52' RT	793.27	246240.73	572785.91
15	37+34.57	91.49' RT	793.36	246242.96	572781.41

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - BRENWOOD PARK DR	SHEET 60	E

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

STH 36

W FOREST HILL AVE

EX R/W

CURB RAMP TYPE 4B1

6:1 GRADED FLARE

W FOREST HILL AVE N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
33	45+66.24	76.67' RT	794.56	247043.58	573051.86
34	45+63.45	88.22' RT	794.38	247037.48	573062.04
35	45+63.33	93.29' RT	794.31	247035.84	573066.85
36	45+64.79	102.57' RT	794.16	247034.47	573076.14
36 A	45+65.75	105.95' RT	794.13	247034.38	573079.65
37	45+67.04	87.66' RT	794.44	247041.07	573062.58
37 A	45+67.81	92.60' RT	794.37	247040.32	573067.53
37 B	45+63.96	88.14' RT	794.39	247037.99	573062.12
37 C	45+64.72	93.08' RT	794.33	247037.24	573067.06
38	45+79.34	95.10' RT	794.00	247050.59	573073.35
38 A	45+74.58	96.62' RT	794.05	247045.59	573073.38
38 B	45+73.04	91.79' RT	794.29	247045.56	573068.31
38 C	45+71.49	86.98' RT	794.37	247045.52	573063.26
39	45+80.66	82.83' RT	794.58	247055.52	573062.03
39 A	45+76.50	86.21' RT	794.29	247050.53	573064.02
39 C	45+78.04	91.03' RT	794.22	247050.56	573069.08
40	45+84.83	79.44' RT	794.86	247060.50	573060.05

W FOREST HILL AVE N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
40 A	45+86.37	84.25' RT	794.93	247060.54	573065.09
41	45+94.57	83.99' RT	795.27	247068.44	573067.30
41 A	45+95.23	79.03' RT	795.23	247070.55	573062.76
41 B	45+90.28	78.38' RT	795.16	247066.02	573060.65
41 C	45+90.43	83.44' RT	795.21	247064.65	573065.53
42	46+06.21	83.33' RT	795.96	247079.74	573070.14
42 A	46+00.19	79.69' RT	795.53	247075.08	573064.87
43	46+05.47	88.85' RT	796.01	247077.40	573075.19
43 A	45+99.53	84.65' RT	795.57	247072.98	573069.40
44	46+10.88	86.16' RT	796.00	247083.35	573074.23
45	46+10.08	92.11' RT	796.09	247080.82	573079.67

W FOREST HILL AVE S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
16	45+09.05	87.85' RT	794.47	246985.67	573045.46
17	45+11.99	95.41' RT	794.43	246986.22	573053.55
18	45+13.84	100.18' RT	794.41	246986.56	573058.66
19	45+14.27	101.28' RT	794.40	246986.64	573059.83
20	45+16.77	109.45' RT	794.37	246986.59	573068.38
21	45+06.42	96.27' RT	794.49	246980.64	573052.70
22	45+07.18	101.21' RT	794.47	246979.90	573057.65
23	45+01.31	101.72' RT	794.38	246974.14	573056.38
24	45+01.43	96.72' RT	794.41	246975.75	573051.65
25	44+96.45	95.96' RT	794.16	246971.22	573049.44
26	44+95.08	100.77' RT	794.08	246968.48	573053.62
27	44+89.19	98.25' RT	793.83	246963.61	573049.45
28	44+91.81	93.99' RT	793.90	246967.38	573046.17
29	44+87.55	91.37' RT	793.65	246964.10	573042.40
30	44+84.93	95.63' RT	793.59	246960.32	573045.68
31	44+79.62	92.35' RT	793.27	246956.23	573040.97
32	44+82.24	88.10' RT	793.50	246960.00	573037.69

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FOREST HILL AVE	SHEET 61	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - FOREST HILL AVE

PLOT DATE : 10/25/2023 4:08 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

STA 51+50 S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
991	51+28.82	80.97' RT	795.00	247579.24	573223.87
992	51+28.84	90.98' RT	794.62	247576.27	573233.42
993	51+28.84	96.99' RT	794.53	247574.48	573239.16
994	51+28.85	99.98' RT	794.37	247573.59	573242.02
995	51+28.34	90.97' RT	794.63	247575.79	573233.27
996	51+28.29	96.98' RT	794.54	247573.95	573238.99
997	51+22.27	96.93' RT	794.57	247568.23	573237.15
998	51+22.32	90.92' RT	794.66	247570.07	573231.43
999	51+17.32	90.88' RT	794.31	247565.31	573229.90
1000	51+17.27	96.89' RT	794.37	247563.47	573235.62
1001	51+12.28	96.85' RT	794.33	247558.71	573234.08
1001A	51+06.97	96.81' RT	794.27	247553.66	573232.46
1001B	51+01.97	96.77' RT	794.25	247548.90	573230.93
1002	51+12.32	90.84' RT	794.24	247560.55	573228.36
1002A	51+07.02	90.80' RT	794.26	247555.50	573226.74
1002B	51+02.02	90.76' RT	794.16	247550.74	573225.21

STA 51+50 N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1003	51+54.11	85.56' RT	794.64	247602.01	573235.80
1004	51+53.71	91.61' RT	794.31	247599.82	573241.45
1005	51+53.70	92.42' RT	794.26	247599.57	573242.22
1006	51+54.15	98.46' RT	794.18	247598.20	573248.12
1007	51+53.63	101.46' RT	794.06	247596.80	573250.83
1008	51+54.50	92.47' RT	794.27	247600.32	573242.50
1009	51+53.65	98.43' RT	794.17	247597.73	573247.94
1010	51+58.84	98.73' RT	794.23	247602.59	573249.78
1011	51+64.83	99.07' RT	794.32	247608.21	573251.89
1012	51+65.17	93.08' RT	794.38	247610.32	573246.28
1013	51+59.18	92.74' RT	794.32	247604.71	573244.16
1014	51+59.82	84.32' RT	794.44	247607.83	573236.32
1015	51+65.63	85.75' RT	794.35	247612.95	573239.42

STH 36

2251+00

2252+00

COMMERCIAL ENTRANCE

CURB RAMP TYPE 4B 1

CURB RAMP TYPE 4B 1

6:1 GRADED FLARE

6:1 GRADED FLARE

6:1 GRADED FLARE

6:1 GRADED FLARE

LL

LL

EX R/W

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

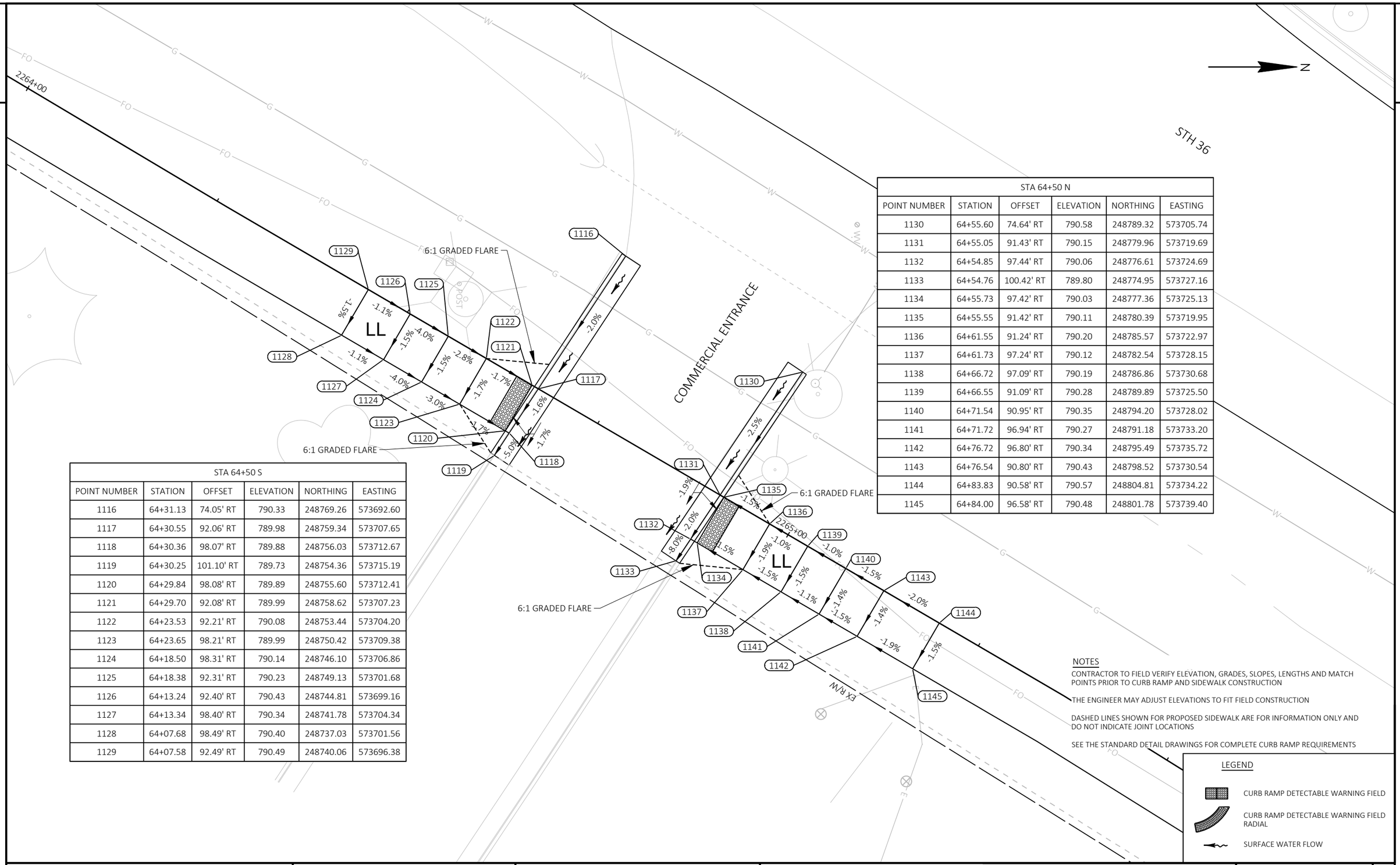
SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 51+50	SHEET 62	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - STA 51+50

PLOT DATE : 10/25/2023 4:08 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



STA 64+50 S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1116	64+31.13	74.05' RT	790.33	248769.26	573692.60
1117	64+30.55	92.06' RT	789.98	248759.34	573707.65
1118	64+30.36	98.07' RT	789.88	248756.03	573712.67
1119	64+30.25	101.10' RT	789.73	248754.36	573715.19
1120	64+29.84	98.08' RT	789.89	248755.60	573712.41
1121	64+29.70	92.08' RT	789.99	248758.62	573707.23
1122	64+23.53	92.21' RT	790.08	248753.44	573704.20
1123	64+23.65	98.21' RT	789.99	248750.42	573709.38
1124	64+18.50	98.31' RT	790.14	248746.10	573706.86
1125	64+18.38	92.31' RT	790.23	248749.13	573701.68
1126	64+13.24	92.40' RT	790.43	248744.81	573699.16
1127	64+13.34	98.40' RT	790.34	248741.78	573704.34
1128	64+07.68	98.49' RT	790.40	248737.03	573701.56
1129	64+07.58	92.49' RT	790.49	248740.06	573696.38

STA 64+50 N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1130	64+55.60	74.64' RT	790.58	248789.32	573705.74
1131	64+55.05	91.43' RT	790.15	248779.96	573719.69
1132	64+54.85	97.44' RT	790.06	248776.61	573724.69
1133	64+54.76	100.42' RT	789.80	248774.95	573727.16
1134	64+55.73	97.42' RT	790.03	248777.36	573725.13
1135	64+55.55	91.42' RT	790.11	248780.39	573719.95
1136	64+61.55	91.24' RT	790.20	248785.57	573722.97
1137	64+61.73	97.24' RT	790.12	248782.54	573728.15
1138	64+66.72	97.09' RT	790.19	248786.86	573730.68
1139	64+66.55	91.09' RT	790.28	248789.89	573725.50
1140	64+71.54	90.95' RT	790.35	248794.20	573728.02
1141	64+71.72	96.94' RT	790.27	248791.18	573733.20
1142	64+76.72	96.80' RT	790.34	248795.49	573735.72
1143	64+76.54	90.80' RT	790.43	248798.52	573730.54
1144	64+83.83	90.58' RT	790.57	248804.81	573734.22
1145	64+84.00	96.58' RT	790.48	248801.78	573739.40

NOTES

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 64+50	SHEET 63	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - STA 64+50

PLOT DATE : 10/25/2023 4:08 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND DR N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1165	69+67.55	92.45' RT	787.73	249214.09	573992.05
1166	69+67.55	80.35' RT	788.06	249220.51	573981.78
1167	69+67.63	74.35' RT	788.18	249223.76	573976.74
1168	69+86.99	53.48' RT	788.75	249251.24	573969.29
1169	69+90.52	52.92' RT	788.82	249254.52	573970.69
1170	69+68.17	80.37' RT	788.07	249221.03	573982.13
1171	69+68.17	74.36' RT	788.18	249224.21	573977.04
1172	69+70.17	74.35' RT	788.20	249225.91	573978.09
1173	69+70.17	80.36' RT	788.09	249222.73	573983.18
1174	69+77.88	79.09' RT	788.20	249229.94	573986.19
1175	69+76.17	73.34' RT	788.17	249231.54	573980.40

LEGEND DR N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1176	69+80.82	71.43' RT	788.17	249236.49	573981.25
1177	69+83.65	76.72' RT	788.17	249236.08	573987.23
1178	69+88.82	73.24' RT	788.07	249242.31	573987.03
1179	69+84.99	68.63' RT	788.07	249241.51	573981.08
1180	69+87.80	65.90' RT	788.47	249245.34	573980.25
1181	69+92.31	69.86' RT	788.43	249247.06	573986.00
1182	69+95.45	66.29' RT	788.49	249251.62	573984.64
1183	69+90.95	62.32' RT	788.52	249249.90	573978.89
1183A	69+98.43	58.93' RT	788.62	249258.05	573979.98
1183B	69+98.44	64.93' RT	788.53	249254.88	573985.07

S LEGEND DR S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1146	69+06.18	52.61' RT	789.11	249183.16	573925.75
1147	69+09.66	52.85' RT	789.10	249185.97	573927.79
1148	69+31.27	73.40' RT	788.06	249193.42	573956.67
1149	69+31.42	79.41' RT	787.95	249190.36	573961.85
1150	69+31.46	84.94' RT	787.77	249187.47	573966.56
1151	69+30.10	79.37' RT	787.97	249189.27	573961.12
1152	69+30.26	73.37' RT	788.07	249192.58	573956.12
1153	69+24.26	73.22' RT	788.16	249187.57	573952.81
1154	69+24.11	79.22' RT	788.06	249184.26	573957.81
1155	69+20.15	79.39' RT	788.10	249180.82	573955.86
1156	69+19.28	73.45' RT	788.11	249183.22	573950.37
1157	69+12.90	75.28' RT	787.98	249176.84	573948.53
1158	69+15.30	80.78' RT	788.02	249175.97	573954.47
1159	69+11.97	82.65' RT	787.94	249172.15	573954.29
1160	69+08.52	77.74' RT	787.88	249171.82	573948.30
1161	69+04.13	81.67' RT	787.76	249166.02	573949.31
1162	69+08.64	85.64' RT	787.85	249167.74	573955.06
1163	69+05.46	89.25' RT	787.78	249163.13	573956.44
1164	69+01.04	85.18' RT	787.69	249161.54	573950.65

STH 36

S LEGEND DR

EX R/W

6:1 GRADED FLARE

6:1 GRADED FLARE

6:1 GRADED FLARE

6:1 GRADED FLARE

NOTES

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LEGEND

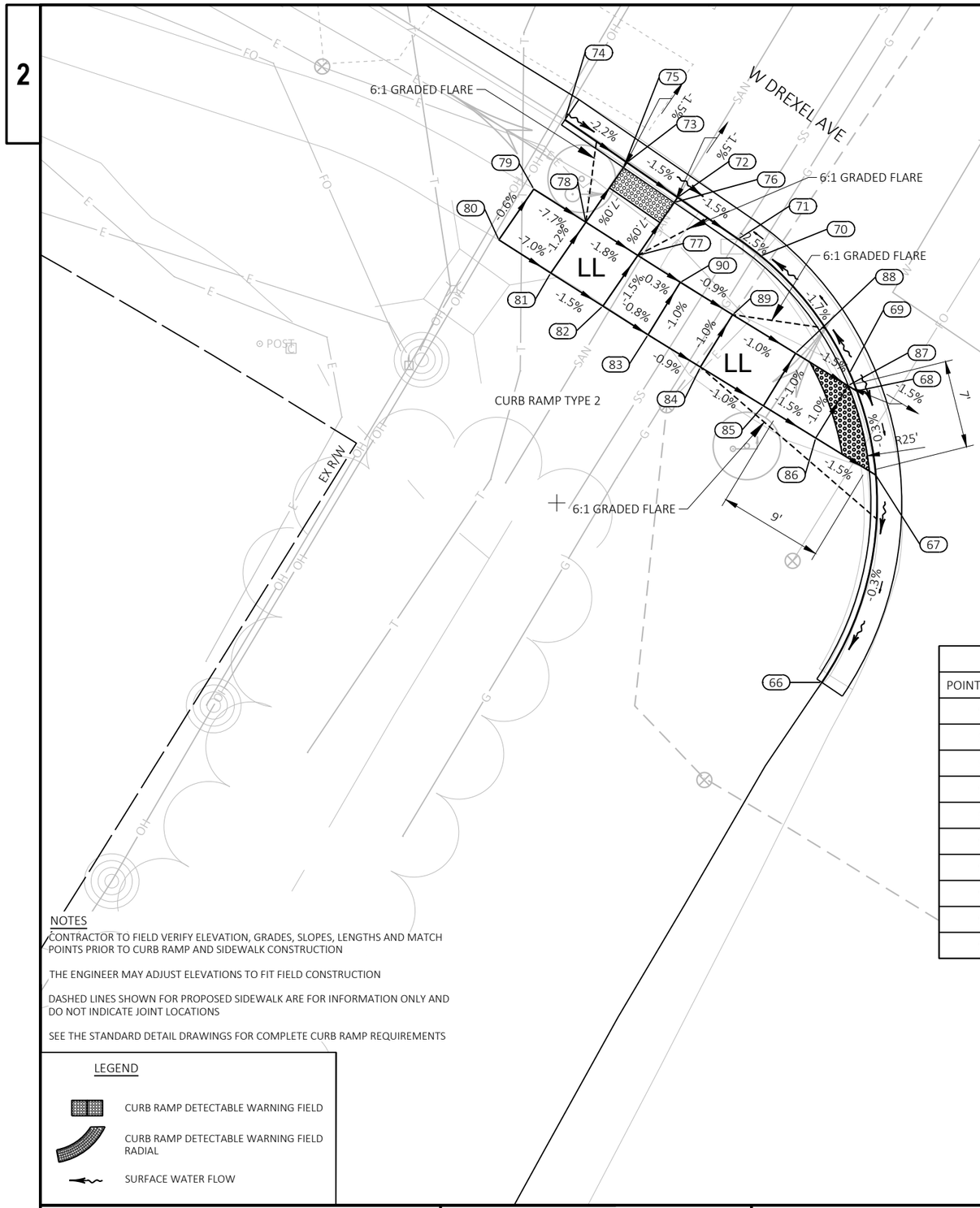
CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

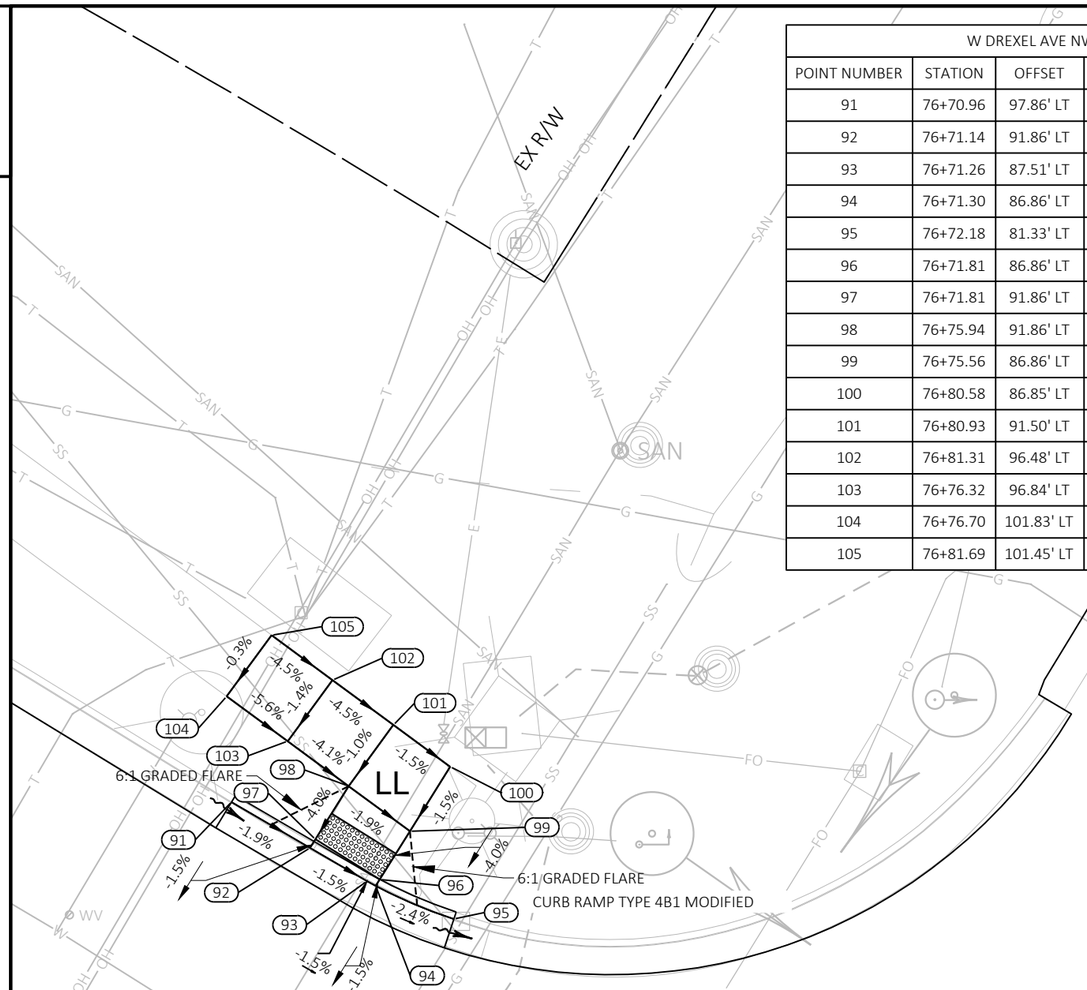
SURFACE WATER FLOW

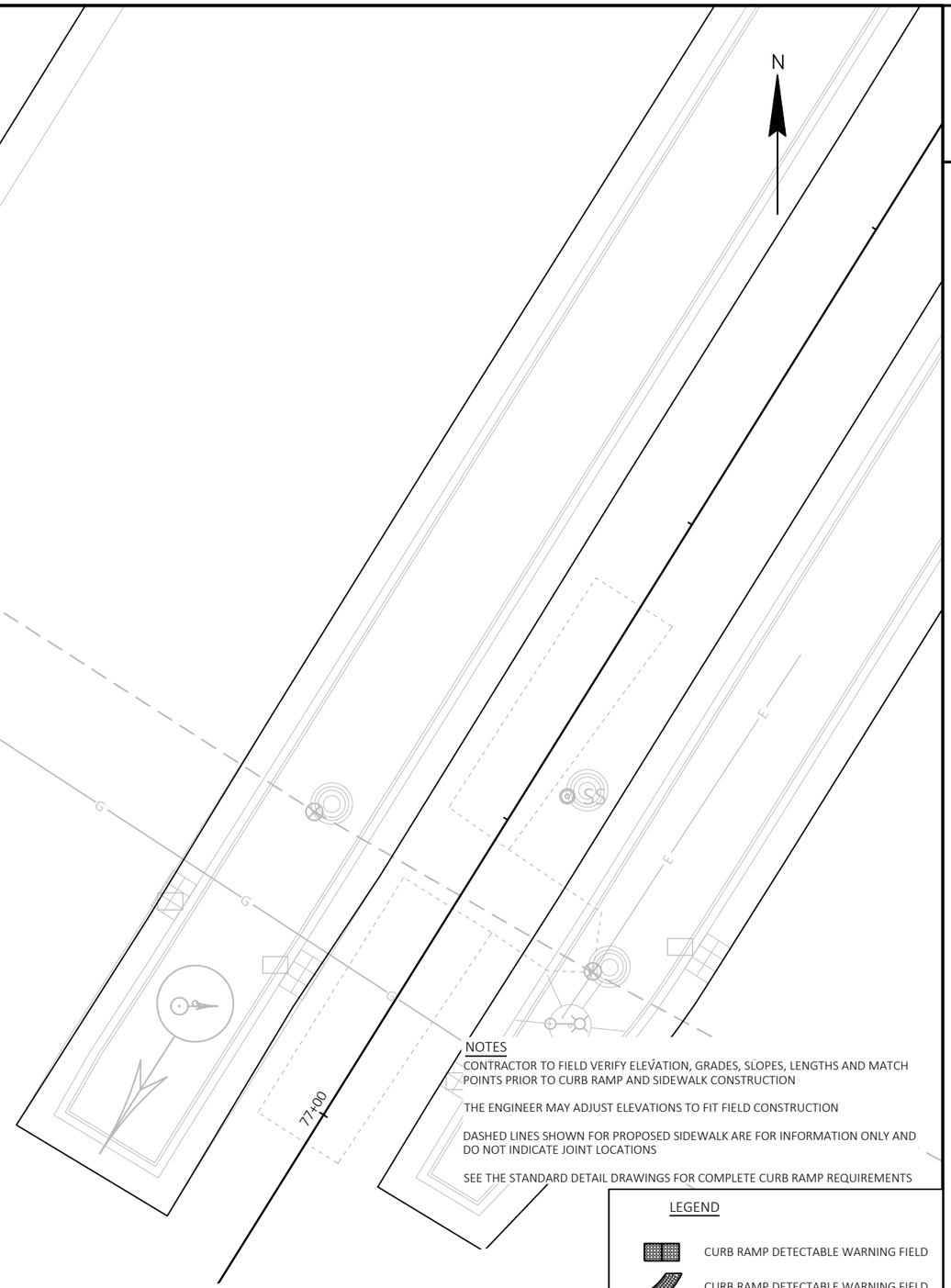
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - S LEGEND DR	SHEET 64	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - LEGEND DR
PLOT DATE : 10/25/2023 4:08 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42


W DREXEL AVE
6:1 GRADED FLARE
6:1 GRADED FLARE
6:1 GRADED FLARE
6:1 GRADED FLARE
CURB RAMP TYPE 2
LL
LL
EX R/W
R25'
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7'
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-1.5%
-1.5%
-1.5%
-1.5

W DREXEL AVE NW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
91	76+70.96	97.86' LT	789.90	249911.52	574203.26
92	76+71.14	91.86' LT	789.78	249908.49	574208.44
93	76+71.26	87.51' LT	789.72	249906.29	574212.20
94	76+71.30	86.86' LT	789.71	249905.98	574212.77
95	76+72.18	81.33' LT	789.57	249903.79	574217.93
96	76+71.81	86.86' LT	789.71	249906.41	574213.04
97	76+71.81	91.86' LT	789.80	249909.06	574208.80
98	76+75.94	91.86' LT	789.96	249912.57	574210.99
99	76+75.56	86.86' LT	789.86	249909.59	574215.03
100	76+80.58	86.85' LT	789.94	249913.85	574217.69
101	76+80.93	91.50' LT	790.01	249916.60	574213.94
102	76+81.31	96.48' LT	790.23	249919.57	574209.91
103	76+76.32	96.84' LT	790.16	249915.53	574206.96
104	76+76.70	101.83' LT	790.44	249918.49	574202.93
105	76+81.69	101.45' LT	790.46	249922.52	574205.90





NOTES

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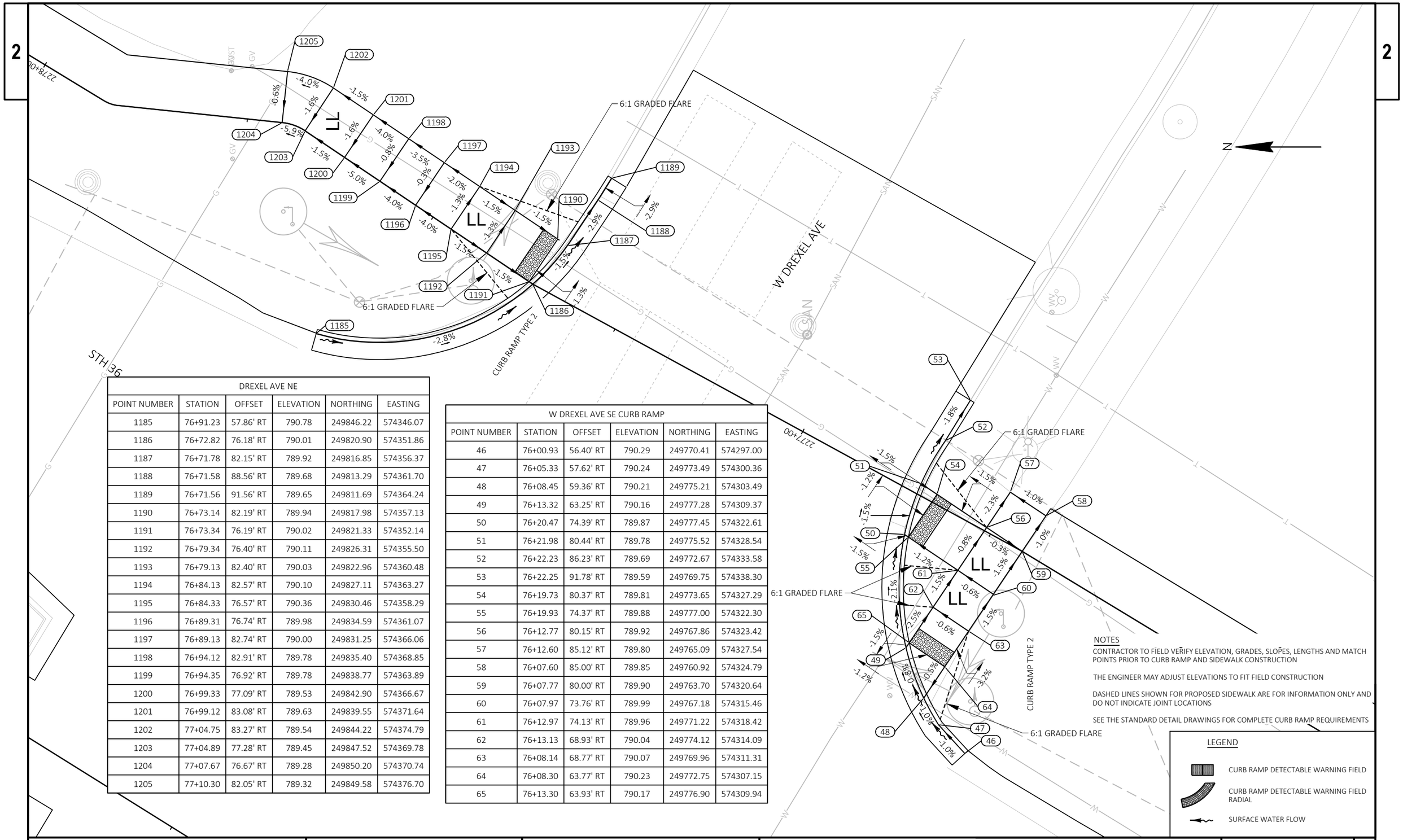
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LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W DREXEL AVE NW	SHEET 66	E



DREXEL AVE NE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1185	76+91.23	57.86' RT	790.78	249846.22	574346.07
1186	76+72.82	76.18' RT	790.01	249820.90	574351.86
1187	76+71.78	82.15' RT	789.92	249816.85	574356.37
1188	76+71.58	88.56' RT	789.68	249813.29	574361.70
1189	76+71.56	91.56' RT	789.65	249811.69	574364.24
1190	76+73.14	82.19' RT	789.94	249817.98	574357.13
1191	76+73.34	76.19' RT	790.02	249821.33	574352.14
1192	76+79.34	76.40' RT	790.11	249826.31	574355.50
1193	76+79.13	82.40' RT	790.03	249822.96	574360.48
1194	76+84.13	82.57' RT	790.10	249827.11	574363.27
1195	76+84.33	76.57' RT	790.36	249830.46	574358.29
1196	76+89.31	76.74' RT	789.98	249834.59	574361.07
1197	76+89.13	82.74' RT	790.00	249831.25	574366.06
1198	76+94.12	82.91' RT	789.78	249835.40	574368.85
1199	76+94.35	76.92' RT	789.78	249838.77	574363.89
1200	76+99.33	77.09' RT	789.53	249842.90	574366.67
1201	76+99.12	83.08' RT	789.63	249839.55	574371.64
1202	77+04.75	83.27' RT	789.54	249844.22	574374.79
1203	77+04.89	77.28' RT	789.45	249847.52	574369.78
1204	77+07.67	76.67' RT	789.28	249850.20	574370.74
1205	77+10.30	82.05' RT	789.32	249849.58	574376.70

W DREXEL AVE SE CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
46	76+00.93	56.40' RT	790.29	249770.41	574297.00
47	76+05.33	57.62' RT	790.24	249773.49	574300.36
48	76+08.45	59.36' RT	790.21	249775.21	574303.49
49	76+13.32	63.25' RT	790.16	249777.28	574309.37
50	76+20.47	74.39' RT	789.87	249777.45	574322.61
51	76+21.98	80.44' RT	789.78	249775.52	574328.54
52	76+22.23	86.23' RT	789.69	249772.67	574333.58
53	76+22.25	91.78' RT	789.59	249769.75	574338.30
54	76+19.73	80.37' RT	789.81	249773.65	574327.29
55	76+19.93	74.37' RT	789.88	249777.00	574322.30
56	76+12.77	80.15' RT	789.92	249767.86	574323.42
57	76+12.60	85.12' RT	789.80	249765.09	574327.54
58	76+07.60	85.00' RT	789.85	249760.92	574324.79
59	76+07.77	80.00' RT	789.90	249763.70	574320.64
60	76+07.97	73.76' RT	789.99	249767.18	574315.46
61	76+12.97	74.13' RT	789.96	249771.22	574318.42
62	76+13.13	68.93' RT	790.04	249774.12	574314.09
63	76+08.14	68.77' RT	790.07	249769.96	574311.31
64	76+08.30	63.77' RT	790.23	249772.75	574307.15
65	76+13.30	63.93' RT	790.17	249776.90	574309.94

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W DREXEL AVE E	SHEET 67	E

2

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

N

RAWSON AVE W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
114	143+00.42	294.35' RT	785.85	254871.80	578449.19
115	143+03.53	290.25' RT	785.98	254876.94	578449.04
116	143+06.56	286.26' RT	786.05	254881.95	578448.89
117	143+07.42	285.13' RT	786.12	254883.37	578448.85
118	143+09.33	282.38' RT	786.30	254886.71	578448.61
119	143+06.19	285.93' RT	786.06	254881.97	578448.39
120	143+02.89	289.69' RT	785.99	254876.98	578448.19
121	142+99.13	286.39' RT	786.34	254877.18	578443.19
122	143+02.43	282.63' RT	786.41	254882.18	578443.39
123	142+98.67	279.33' RT	786.48	254882.38	578438.40
124	142+95.37	283.09' RT	786.41	254877.39	578438.19
125	142+91.44	279.91' RT	786.77	254877.40	578433.14

RAWSON AVE W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
126	142+94.59	276.03' RT	786.82	254882.40	578433.15
127	142+90.71	272.88' RT	787.15	254882.41	578428.15
128	142+87.56	276.76' RT	787.12	254877.41	578428.14
129	142+83.68	273.61' RT	787.47	254877.42	578423.14
130	142+86.82	269.73' RT	787.50	254882.42	578423.15
131	142+82.94	266.58' RT	787.77	254882.43	578418.15
132	142+79.79	270.47' RT	787.82	254877.43	578418.14
133	142+75.91	267.32' RT	788.09	254877.45	578413.14
134	142+79.06	263.43' RT	788.05	254882.45	578413.15
135	142+75.17	260.28' RT	788.34	254882.46	578408.15
136	142+72.02	264.17' RT	788.37	254877.46	578408.14

NOTES

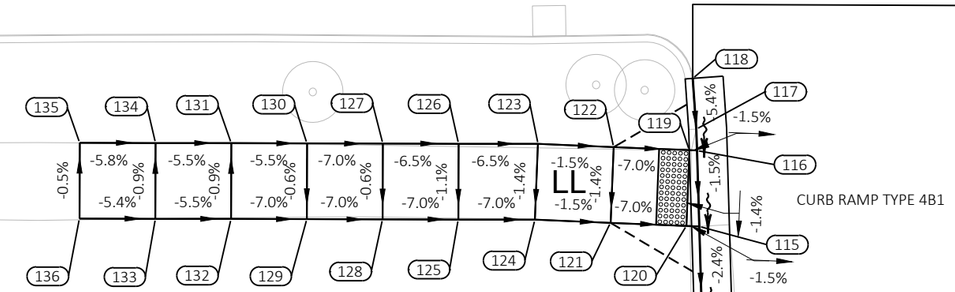
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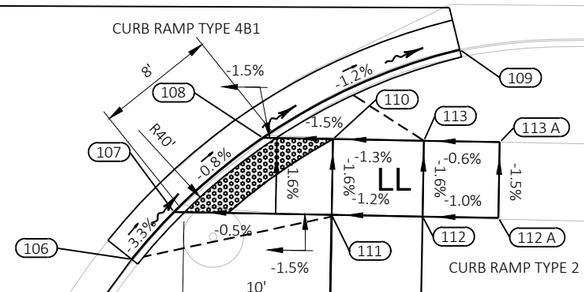
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W RAWSON AVE



CURB RAMP TYPE 4B1



CURB RAMP TYPE 2

RAWSON AVE OFF RAMP E CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
106	143+28.29	313.01' RT	785.34	254874.78	578482.59
107	143+32.42	312.32' RT	785.20	254877.90	578485.38
108	143+40.05	312.20' RT	785.14	254882.79	578491.24
109	143+53.83	315.83' RT	784.96	254888.61	578504.25
110	143+43.61	315.18' RT	785.21	254882.71	578495.88
111	143+40.40	319.01' RT	785.29	254877.71	578495.79
112	143+45.00	322.87' RT	785.36	254877.59	578501.79
112 A	143+48.83	326.08' RT	785.42	254877.50	578506.79
113	143+48.21	319.03' RT	785.28	254882.59	578501.88
113 A	143+52.04	322.25' RT	785.34	254882.50	578506.88

NB W RAWSON AVE OFF RAMP

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAWSON AVE E	SHEET 68	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - RAWSON E
PLOT DATE : 10/25/2023 4:10 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

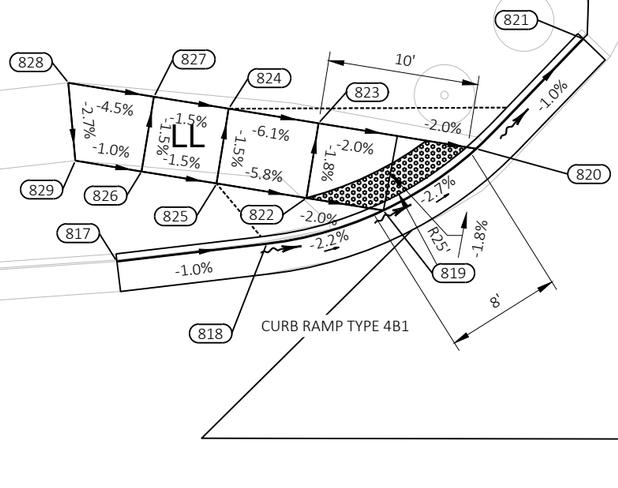
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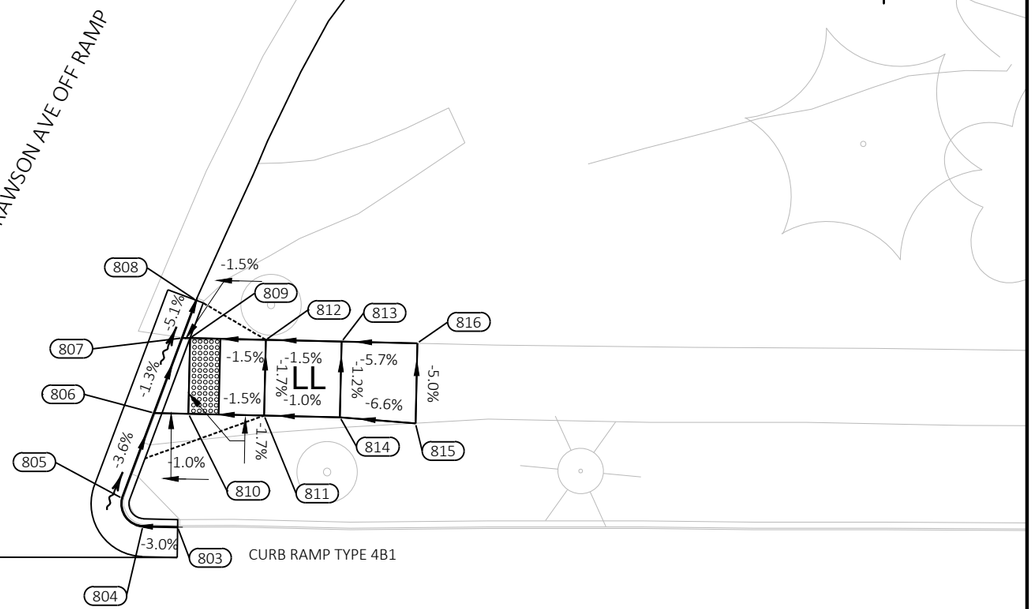
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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS





N

W RAWSON AVE

FO FO FO FO

RAWSON AVE OFF RAMP NW CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
817	136+92.84	374.51' LT	796.62	255008.47	577553.91
818	137+00.83	369.13' LT	796.52	255009.63	577563.80
819	137+07.84	365.95' LT	796.35	255011.82	577571.49
820	137+14.83	365.22' LT	796.15	255015.90	577577.63
821	137+24.43	366.38' LT	796.04	255023.15	577584.69
822	137+04.59	369.80' LT	796.45	255012.64	577566.42
823	137+08.16	373.11' LT	796.36	255017.58	577567.22
824	137+04.38	377.62' LT	796.73	255018.56	577561.30
825	137+00.80	374.29' LT	796.80	255013.60	577560.49
826	136+97.65	378.07' LT	796.88	255014.42	577555.54
827	137+01.21	381.35' LT	796.80	255019.33	577556.36
828	136+97.60	385.64' LT	797.06	255020.25	577550.70
829	136+94.84	381.38' LT	796.92	255015.11	577551.16

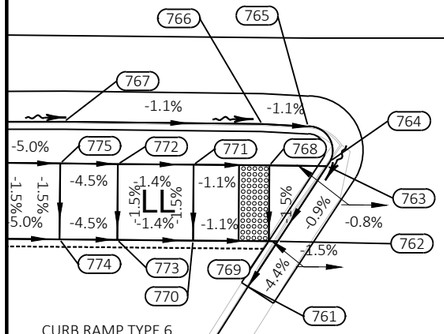
RAWSON AVE OFF RAMP NE CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
803	137+26.61	333.00' LT	796.43	254998.71	577607.53
804	137+24.94	334.49' LT	796.36	254998.77	577605.25
805	137+25.04	336.79' LT	796.17	255000.62	577603.87
806	137+30.00	339.82' LT	795.96	255006.24	577605.98
807	137+34.38	342.49' LT	795.89	255011.20	577607.84
808	137+36.56	343.84' LT	795.76	255013.68	577608.76
809	137+34.77	342.15' LT	795.90	255011.19	577608.37
810	137+31.66	338.34' LT	795.98	255006.19	577608.26
811	137+35.31	335.10' LT	796.06	255006.08	577613.26
812	137+38.41	338.91' LT	795.97	255011.08	577613.37
813	137+42.06	335.67' LT	796.05	255010.96	577618.37
814	137+38.96	331.86' LT	796.11	255005.97	577618.25
815	137+42.44	328.41' LT	796.44	255005.57	577623.25
816	137+45.71	332.44' LT	796.17	255010.85	577623.37

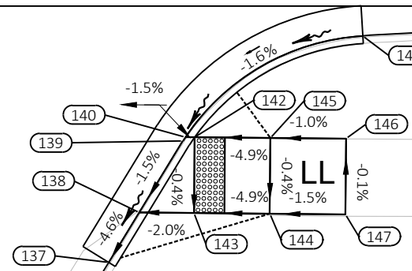
RAWSON AVE PORKCHOP ISLAND EAST RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
761	135+88.52	294.69' LT	796.37	254877.44	577521.36
762	135+91.83	295.71' LT	796.52	254880.44	577523.32
763	135+97.31	297.41' LT	796.57	254885.41	577526.57
764	135+97.65	297.52' LT	796.60	254885.73	577526.78
765	135+98.01	300.22' LT	796.82	254888.03	577525.33
766	135+95.86	302.30' LT	796.85	254888.18	577522.28
767	135+86.39	310.83' LT	796.99	254888.35	577509.24
768	135+94.54	299.89' LT	796.61	254885.45	577522.78

RAWSON AVE PORKCHOP ISLAND EAST RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
769	135+91.40	296.10' LT	796.53	254880.45	577522.73
770	135+87.75	299.36' LT	796.59	254880.50	577517.73
771	135+90.89	303.15' LT	796.66	254885.50	577517.78
772	135+87.25	306.41' LT	796.73	254885.54	577512.78
773	135+84.11	302.63' LT	796.66	254880.54	577512.73
774	135+81.34	305.11' LT	796.83	254880.58	577508.93
775	135+84.48	308.90' LT	796.90	254885.58	577508.97

W RAWSON AVE



CURB RAMP TYPE 6



CURB RAMP TYPE 4B1

SB W RAWSON ON RAMP

RAWSON AVE ON E CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
137	136+04.29	280.23' LT	796.27	254876.94	577543.18
138	136+07.82	281.46' LT	796.44	254880.24	577545.20
139	136+12.87	283.22' LT	796.53	254884.95	577548.08
140	136+13.16	283.31' LT	796.53	254885.21	577548.24
141	136+25.94	280.90' LT	796.76	254891.88	577559.95
142	136+13.61	282.91' LT	796.54	254885.20	577548.86
143	136+10.47	279.11' LT	796.52	254880.20	577548.81
144	136+14.14	275.86' LT	796.76	254880.15	577553.81
145	136+17.27	279.66' LT	796.78	254885.15	577553.86
146	136+20.94	276.41' LT	796.83	254885.11	577558.86
147	136+17.80	272.61' LT	796.84	254880.11	577558.81

N

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAWSON AVE SW	SHEET 70	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - RAWSON SW

PLOT DATE : 10/25/2023 4:10 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

NOTES

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THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

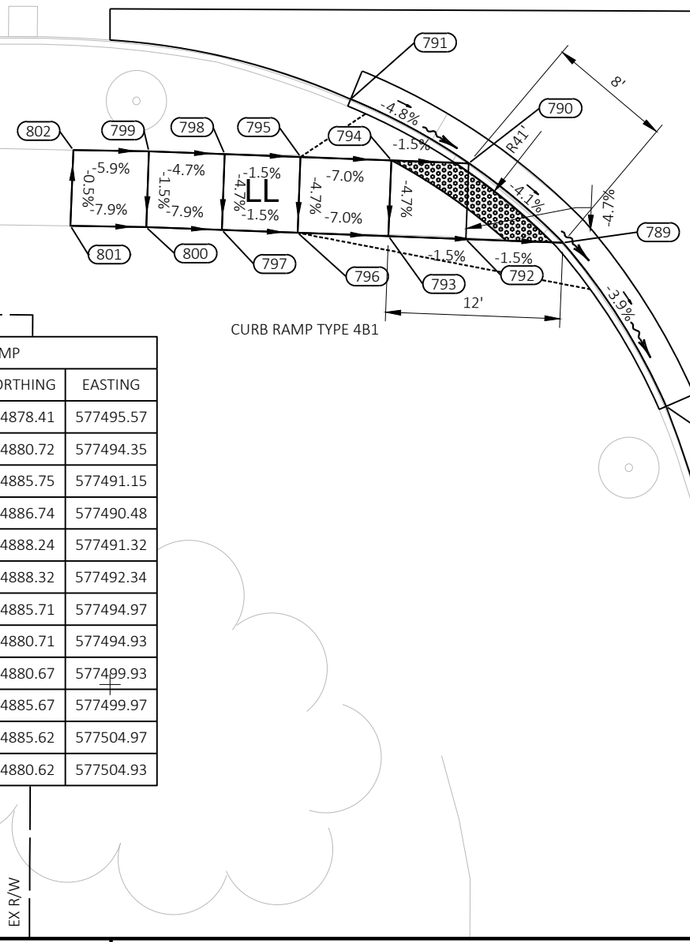
DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

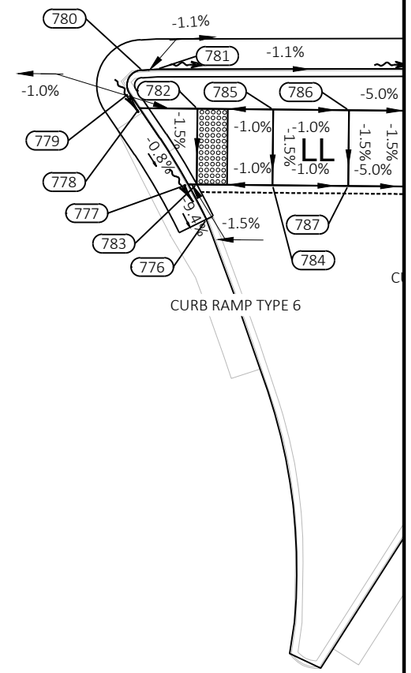
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2

W RAWSON AVE



CURB RAMP TYPE 4B1



CURB RAMP TYPE 6

EX R/W

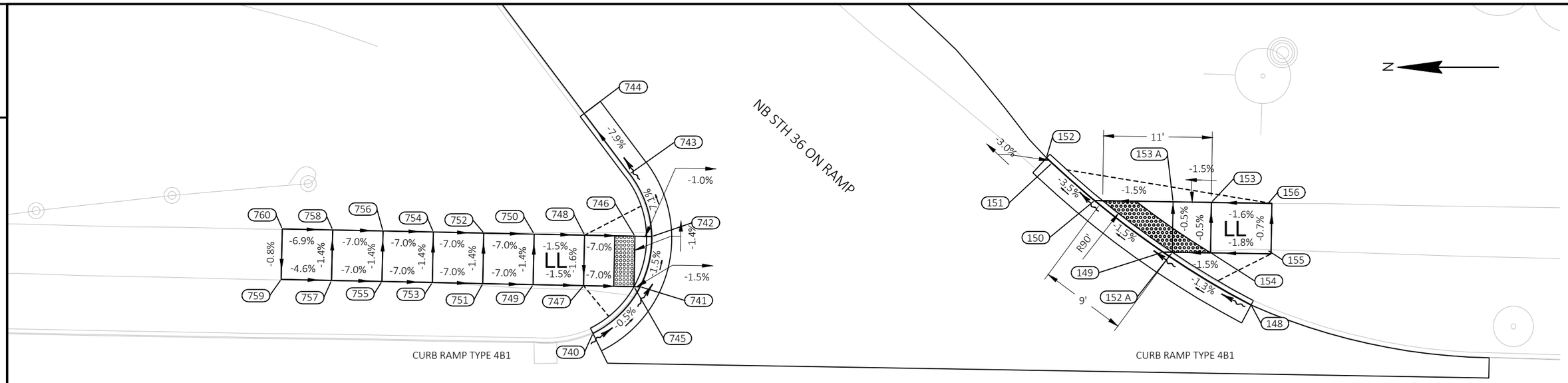
RAWSON AVE ON W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
788	135+47.51	318.78' LT	796.20	254868.18	577473.24
789	135+49.26	331.42' LT	796.70	254878.98	577466.43
790	135+47.99	339.44' LT	797.04	254884.22	577460.22
791	135+44.95	347.71' LT	797.46	254888.44	577452.42
792	135+44.75	335.76' LT	796.80	254879.22	577460.03
793	135+41.15	339.23' LT	796.88	254879.42	577454.92
794	135+44.40	342.90' LT	797.11	254884.41	577455.11
795	135+40.18	346.97' LT	797.53	254884.64	577449.11
796	135+36.93	343.30' LT	797.30	254879.64	577448.92
797	135+33.42	346.69' LT	797.37	254879.83	577443.93
798	135+36.67	350.37' LT	797.61	254884.83	577444.12
799	135+33.16	353.76' LT	797.84	254885.02	577439.12
800	135+29.91	350.09' LT	797.77	254880.02	577438.93
801	135+26.33	353.41' LT	798.16	254880.10	577433.93
802	135+29.58	357.07' LT	798.14	254885.09	577434.12

RAWSON AVE PORKCHOP ISLAND WEST RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
776	135+70.20	312.09' LT	796.77	254878.41	577495.57
777	135+70.74	314.64' LT	797.02	254880.72	577494.35
778	135+71.52	320.55' LT	797.06	254885.75	577491.15
779	135+71.64	321.74' LT	797.10	254886.74	577490.48
780	135+73.20	322.34' LT	797.19	254888.24	577491.32
781	135+73.99	321.74' LT	797.17	254888.32	577492.34
782	135+74.30	318.05' LT	797.10	254885.71	577494.97
783	135+71.16	314.26' LT	797.03	254880.71	577494.93
784	135+74.79	310.99' LT	797.08	254880.67	577499.93
785	135+77.93	314.78' LT	797.15	254885.67	577499.97
786	135+81.57	311.51' LT	797.10	254885.62	577504.97
787	135+78.43	307.72' LT	797.03	254880.62	577504.93

EX R/W

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAWSON AVE SW (2)	SHEET 71	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - RAWSON SW (2)
PLOT DATE : 10/25/2023 4:10 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



S 76TH ST

S 76TH ST ON RAMP N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
740	154+94.75	217.20' RT	781.36	255681.78	579330.28
741	154+95.40	223.75' RT	781.32	255677.08	579334.89
742	154+98.55	227.76' RT	781.25	255675.94	579339.87
743	155+04.77	229.94' RT	780.77	255678.15	579346.07
744	155+12.25	230.20' RT	780.70	255682.65	579352.06
745	154+95.80	223.27' RT	781.33	255677.71	579334.91
746	154+99.63	226.49' RT	781.26	255677.61	579339.91
747	154+99.02	219.44' RT	781.68	255682.71	579335.01
748	155+02.85	222.66' RT	781.61	255682.61	579340.01
749	155+02.24	215.62' RT	781.76	255687.71	579335.12
750	155+06.07	218.84' RT	781.69	255687.61	579340.11
751	155+05.46	211.79' RT	782.11	255692.71	579335.22
752	155+09.29	215.01' RT	782.04	255692.60	579340.22
753	155+08.68	207.97' RT	782.46	255697.71	579335.32
754	155+12.50	211.18' RT	782.39	255697.60	579340.32
755	155+11.90	204.14' RT	782.81	255702.71	579335.43
756	155+15.73	207.36' RT	782.74	255702.60	579340.43
757	155+15.12	200.32' RT	783.16	255707.70	579335.53
758	155+18.95	203.54' RT	783.09	255707.60	579340.53
759	155+18.34	196.49' RT	783.39	255712.70	579335.64
760	155+22.16	199.71' RT	783.43	255712.60	579340.63

S 76TH ST ON RAMP S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
148	154+55.96	269.78' RT	781.10	255616.49	579333.11
149	154+65.50	266.27' RT	780.97	255625.22	579338.33
150	154+73.74	264.19' RT	780.84	255632.01	579343.44
151	154+79.30	263.24' RT	780.65	255636.24	579347.16
152	154+80.04	263.13' RT	780.62	255636.79	579347.67
152 A	154+64.92	266.97' RT	780.98	255624.30	579338.31
153	154+66.33	273.09' RT	781.02	255620.43	579343.25
153 A	154+68.76	270.17' RT	780.96	255624.23	579343.31
154	154+62.47	269.90' RT	781.04	255620.49	579338.25
155	154+59.16	274.45' RT	781.14	255614.87	579338.53
156	154+62.72	277.42' RT	781.11	255614.80	579343.16

NOTES

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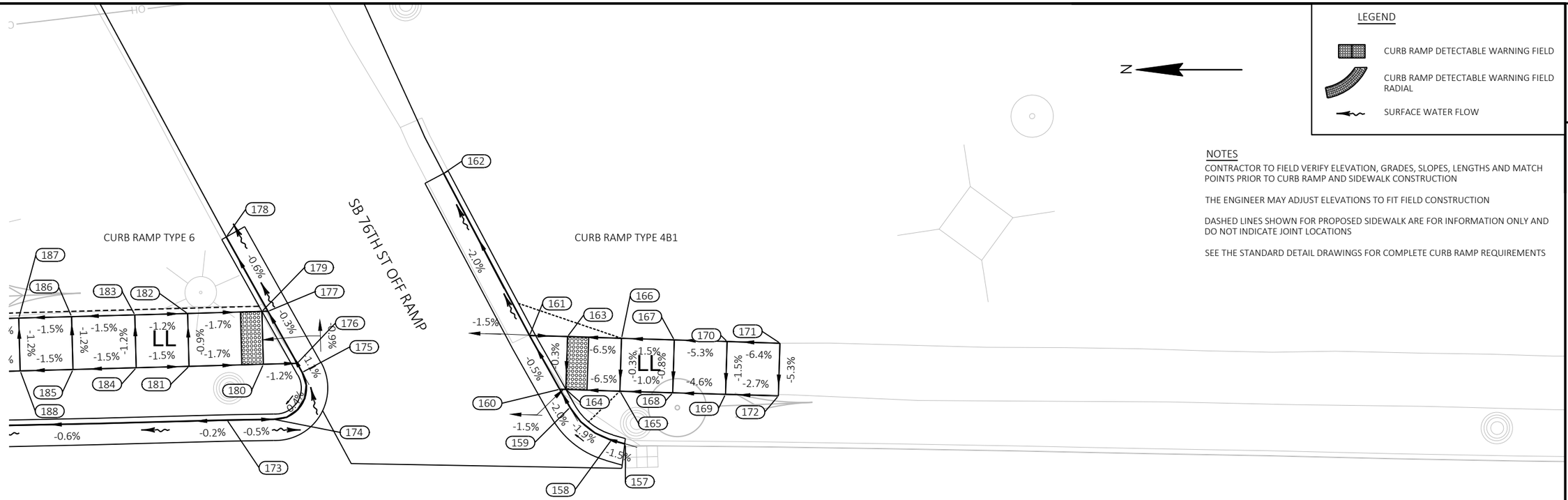
SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW



LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

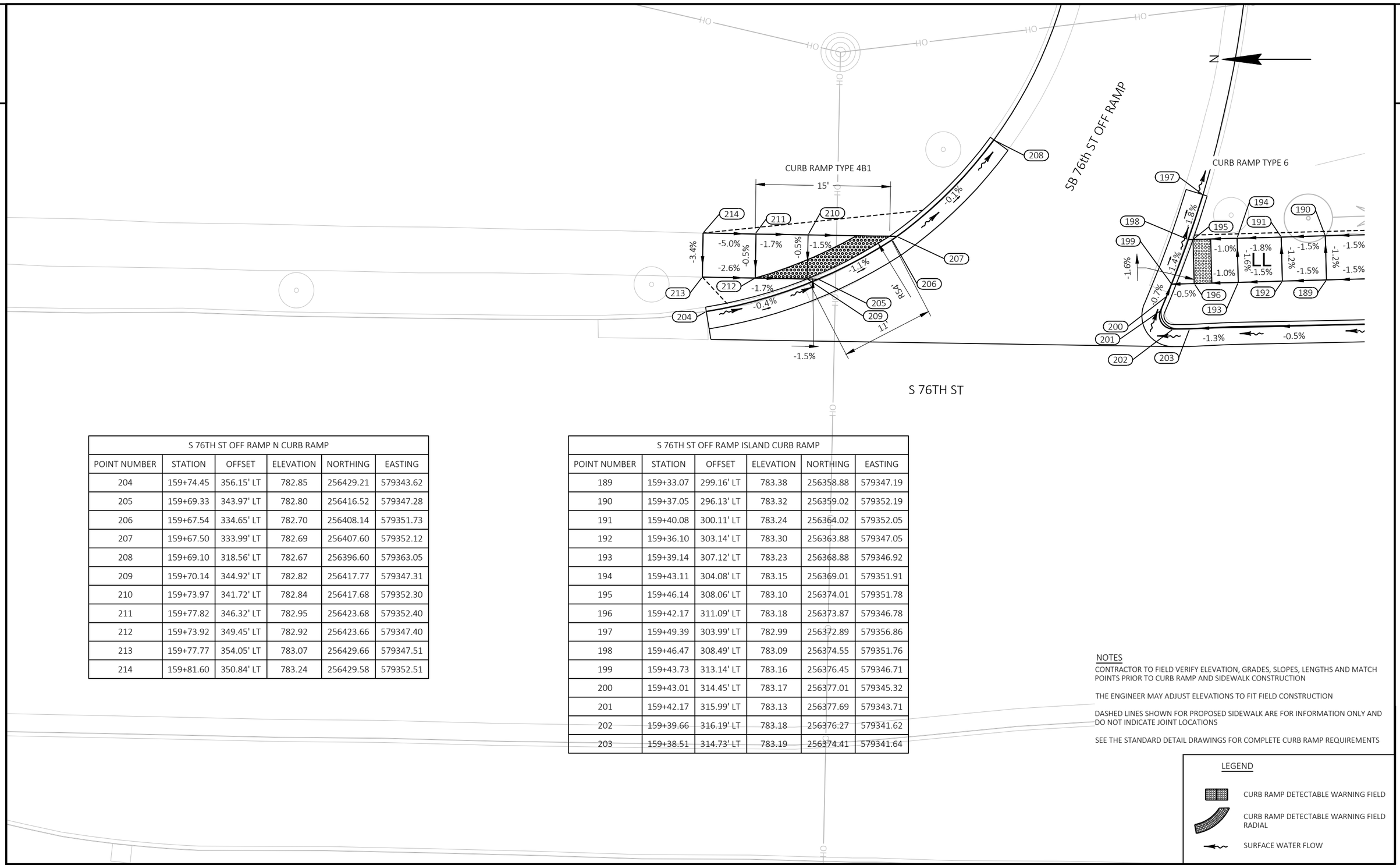
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S 76TH ST OFF RAMP ISLAND CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
173	159+14.14	282.88' LT	783.44	256334.32	579342.68
174	159+11.42	279.40' LT	783.42	256329.90	579342.75
175	159+13.17	274.51' LT	783.40	256327.19	579347.18
176	159+14.14	274.34' LT	783.38	256327.68	579348.04
177	159+19.71	273.40' LT	783.37	256330.44	579352.97
178	159+27.66	272.05' LT	783.32	256334.38	579360.00
179	159+20.05	273.85' LT	783.38	256331.00	579352.95
180	159+16.08	276.88' LT	783.42	256330.87	579347.96
181	159+20.35	282.48' LT	783.54	256337.90	579347.76
182	159+24.32	279.45' LT	783.50	256338.04	579352.76
183	159+27.35	283.42' LT	783.56	256343.04	579352.62
184	159+23.38	286.45' LT	783.62	256342.90	579347.63
185	159+27.01	291.21' LT	783.53	256348.88	579347.46
186	159+30.98	288.18' LT	783.47	256349.02	579352.46
187	159+34.02	292.16' LT	783.39	256354.02	579352.32
188	159+30.04	295.19' LT	783.45	256353.88	579347.33

S 76TH ST OFF RAMP S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
157	158+88.70	254.95' LT	783.68	256296.61	579340.41
158	158+89.82	255.75' LT	783.66	256297.93	579340.78
159	158+94.67	256.86' LT	783.56	256301.85	579343.87
160	158+96.62	256.53' LT	783.52	256302.82	579345.59
161	159+02.38	255.56' LT	783.49	256305.68	579350.68
162	159+19.42	252.27' LT	783.14	256313.81	579366.01
163	159+00.04	252.83' LT	783.54	256302.08	579350.57
164	158+96.24	256.09' LT	783.53	256302.23	579345.57
165	158+92.91	252.21' LT	783.86	256297.12	579345.41
166	158+96.71	248.96' LT	783.88	256296.97	579350.41
167	158+93.45	245.16' LT	783.95	256291.97	579350.26
168	158+89.66	248.42' LT	783.91	256292.13	579345.26
169	158+86.40	244.63' LT	784.14	256287.13	579345.11
170	158+90.19	241.37' LT	784.22	256286.97	579350.10
171	158+86.93	237.58' LT	784.54	256281.98	579349.95
172	158+83.14	240.84' LT	784.27	256282.13	579344.95



S 76TH ST OFF RAMP N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
204	159+74.45	356.15' LT	782.85	256429.21	579343.62
205	159+69.33	343.97' LT	782.80	256416.52	579347.28
206	159+67.54	334.65' LT	782.70	256408.14	579351.73
207	159+67.50	333.99' LT	782.69	256407.60	579352.12
208	159+69.10	318.56' LT	782.67	256396.60	579363.05
209	159+70.14	344.92' LT	782.82	256417.77	579347.31
210	159+73.97	341.72' LT	782.84	256417.68	579352.30
211	159+77.82	346.32' LT	782.95	256423.68	579352.40
212	159+73.92	349.45' LT	782.92	256423.66	579347.40
213	159+77.77	354.05' LT	783.07	256429.66	579347.51
214	159+81.60	350.84' LT	783.24	256429.58	579352.51

S 76TH ST OFF RAMP ISLAND CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
189	159+33.07	299.16' LT	783.38	256358.88	579347.19
190	159+37.05	296.13' LT	783.32	256359.02	579352.19
191	159+40.08	300.11' LT	783.24	256364.02	579352.05
192	159+36.10	303.14' LT	783.30	256363.88	579347.05
193	159+39.14	307.12' LT	783.23	256368.88	579346.92
194	159+43.11	304.08' LT	783.15	256369.01	579351.91
195	159+46.14	308.06' LT	783.10	256374.01	579351.78
196	159+42.17	311.09' LT	783.18	256373.87	579346.78
197	159+49.39	303.99' LT	782.99	256372.89	579356.86
198	159+46.47	308.49' LT	783.09	256374.55	579351.76
199	159+43.73	313.14' LT	783.16	256376.45	579346.71
200	159+43.01	314.45' LT	783.17	256377.01	579345.32
201	159+42.17	315.99' LT	783.13	256377.69	579343.71
202	159+39.66	316.19' LT	783.18	256376.27	579341.62
203	159+38.51	314.73' LT	783.19	256374.41	579341.64

NOTES

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LEGEND

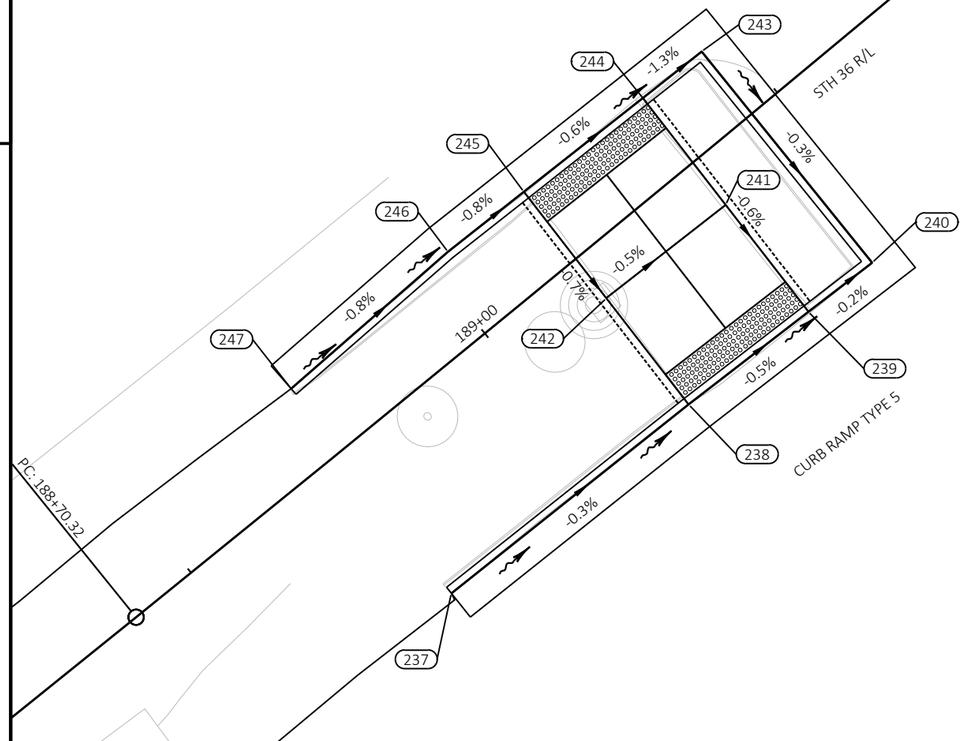
CURB RAMP DETECTABLE WARNING FIELD

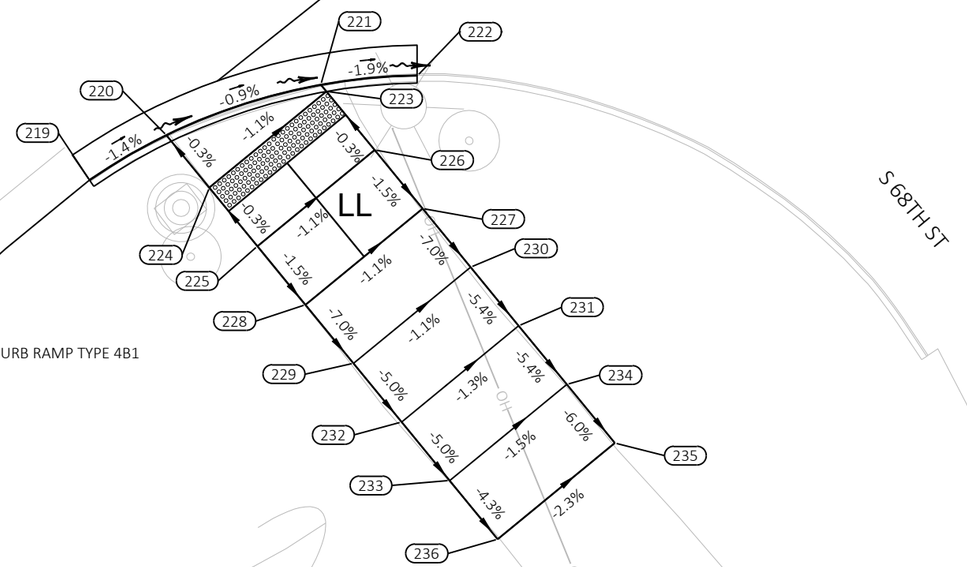
CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - S 76TH ST N	SHEET 74	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 76TH ST N
PLOT DATE : 10/25/2023 4:11 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





STH 36

N

HORIZON DRIVE MEDIAN CURB					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
237	188+87.47	11.88' RT	712.04	257971.95	581841.88
238	189+07.41	12.15' RT	711.98	257984.41	581857.53
239	189+17.38	12.46' RT	711.93	257990.52	581865.45
240	189+22.67	12.63' RT	711.92	257993.77	581869.65
241	189+17.66	3.54' RT	711.99	257997.58	581859.98
242	189+07.67	3.28' RT	712.04	257991.42	581852.10
243	189+22.88	5.28' LT	711.98	258007.70	581858.39
244	189+17.92	4.89' LT	712.04	258004.24	581854.82
245	189+07.92	5.60' LT	712.10	257998.44	581846.66
246	189+01.53	5.72' LT	712.15	257994.48	581841.65
247	188+87.78	5.27' LT	712.26	257985.45	581831.30

HORIZON DRIVE S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
219	189+01.57	62.82' RT	712.94	257941.49	581885.12
220	189+07.27	63.75' RT	712.86	257944.45	581890.18
221	189+17.11	67.66' RT	712.77	257947.78	581900.38
222	189+22.32	71.25' RT	712.64	257948.39	581906.76
223	189+17.10	68.24' RT	712.77	257947.34	581900.75
224	189+07.27	68.22' RT	712.87	257940.99	581893.02
225	189+07.26	73.22' RT	712.89	257937.13	581896.19
226	189+17.09	73.24' RT	712.78	257943.47	581903.92
227	189+17.07	78.24' RT	712.71	257939.61	581907.09
228	189+07.26	78.22' RT	712.81	257933.26	581899.36
229	189+07.26	83.22' RT	712.46	257929.40	581902.53
230	189+17.06	83.24' RT	712.36	257935.74	581910.26
231	189+17.04	88.24' RT	712.09	257931.87	581913.44
232	189+07.25	88.22' RT	712.21	257925.53	581905.71
233	189+07.25	93.22' RT	711.96	257921.67	581908.88
234	189+17.03	93.24' RT	711.82	257928.01	581916.61
235	189+17.02	98.24' RT	711.52	257924.14	581919.78
236	189+07.25	98.22' RT	711.75	257917.80	581912.05

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - HORIZON DR S	SHEET 75	E

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

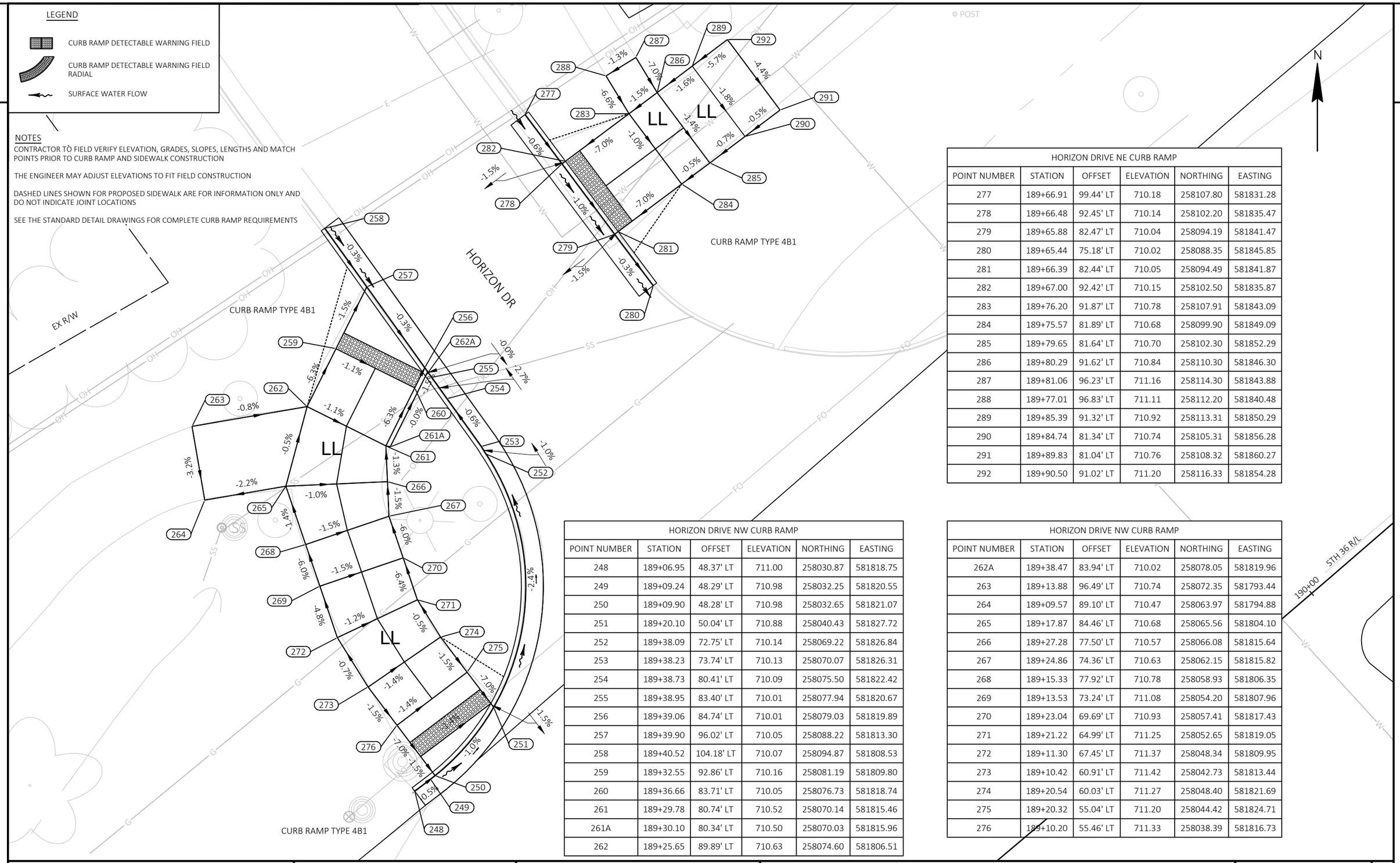
NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



HORIZON DRIVE NE CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
277	189+66.91	99.44' LT	710.18	258107.80	581831.28
278	189+66.48	92.45' LT	710.14	258102.20	581835.47
279	189+65.88	82.47' LT	710.04	258094.19	581841.47
280	189+65.44	75.18' LT	710.02	258088.35	581845.85
281	189+66.39	82.44' LT	710.05	258094.49	581841.87
282	189+67.00	92.42' LT	710.15	258102.50	581835.87
283	189+76.20	91.87' LT	710.78	258107.91	581843.09
284	189+75.57	81.89' LT	710.68	258099.90	581849.09
285	189+79.65	81.64' LT	710.70	258102.30	581852.29
286	189+80.29	91.62' LT	710.84	258110.30	581846.30
287	189+81.06	96.23' LT	711.16	258114.30	581843.88
288	189+77.01	96.83' LT	711.11	258112.20	581840.48
289	189+85.39	91.32' LT	710.92	258113.31	581850.29
290	189+84.74	81.34' LT	710.74	258105.31	581856.28
291	189+89.83	81.04' LT	710.76	258108.32	581860.27
292	189+90.50	91.02' LT	711.20	258116.33	581854.28

HORIZON DRIVE NW CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
248	189+06.95	48.37' LT	711.00	258030.87	581818.75
249	189+09.24	48.29' LT	710.98	258032.25	581820.55
250	189+09.90	48.28' LT	710.98	258032.65	581821.07
251	189+20.10	50.04' LT	710.88	258040.43	581827.72
252	189+38.09	72.75' LT	710.14	258069.22	581826.84
253	189+38.23	73.74' LT	710.13	258070.07	581826.31
254	189+38.73	80.41' LT	710.09	258075.50	581822.42
255	189+38.95	83.40' LT	710.01	258077.94	581820.67
256	189+39.06	84.74' LT	710.01	258079.03	581819.89
257	189+39.90	96.02' LT	710.05	258088.22	581813.30
258	189+40.52	104.18' LT	710.07	258094.87	581808.53
259	189+32.55	92.86' LT	710.16	258081.19	581809.80
260	189+36.66	83.71' LT	710.05	258076.73	581818.74
261	189+29.78	80.74' LT	710.52	258070.14	581815.46
261A	189+30.10	80.34' LT	710.50	258070.03	581815.96
262	189+25.65	89.89' LT	710.63	258074.60	581806.51

HORIZON DRIVE NW CURB RAMP

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
262A	189+38.47	83.94' LT	710.02	258078.05	581819.96
263	189+13.88	96.49' LT	710.74	258072.35	581793.44
264	189+09.57	89.10' LT	710.47	258063.97	581794.88
265	189+17.87	84.46' LT	710.68	258065.56	581804.10
266	189+27.28	77.50' LT	710.57	258066.08	581815.64
267	189+24.86	74.36' LT	710.63	258062.15	581815.82
268	189+15.33	77.92' LT	710.78	258058.93	581806.35
269	189+13.53	73.24' LT	711.08	258054.20	581807.96
270	189+23.04	69.69' LT	710.93	258057.41	581817.43
271	189+21.22	64.99' LT	711.25	258052.65	581819.05
272	189+11.30	67.45' LT	711.37	258048.34	581809.95
273	189+10.42	60.91' LT	711.42	258042.73	581813.44
274	189+20.54	60.03' LT	711.27	258048.40	581821.69
275	189+20.32	55.04' LT	711.20	258044.42	581824.71
276	189+10.20	55.46' LT	711.33	258038.39	581816.73

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - HORIZON DR N	SHEET 76	E

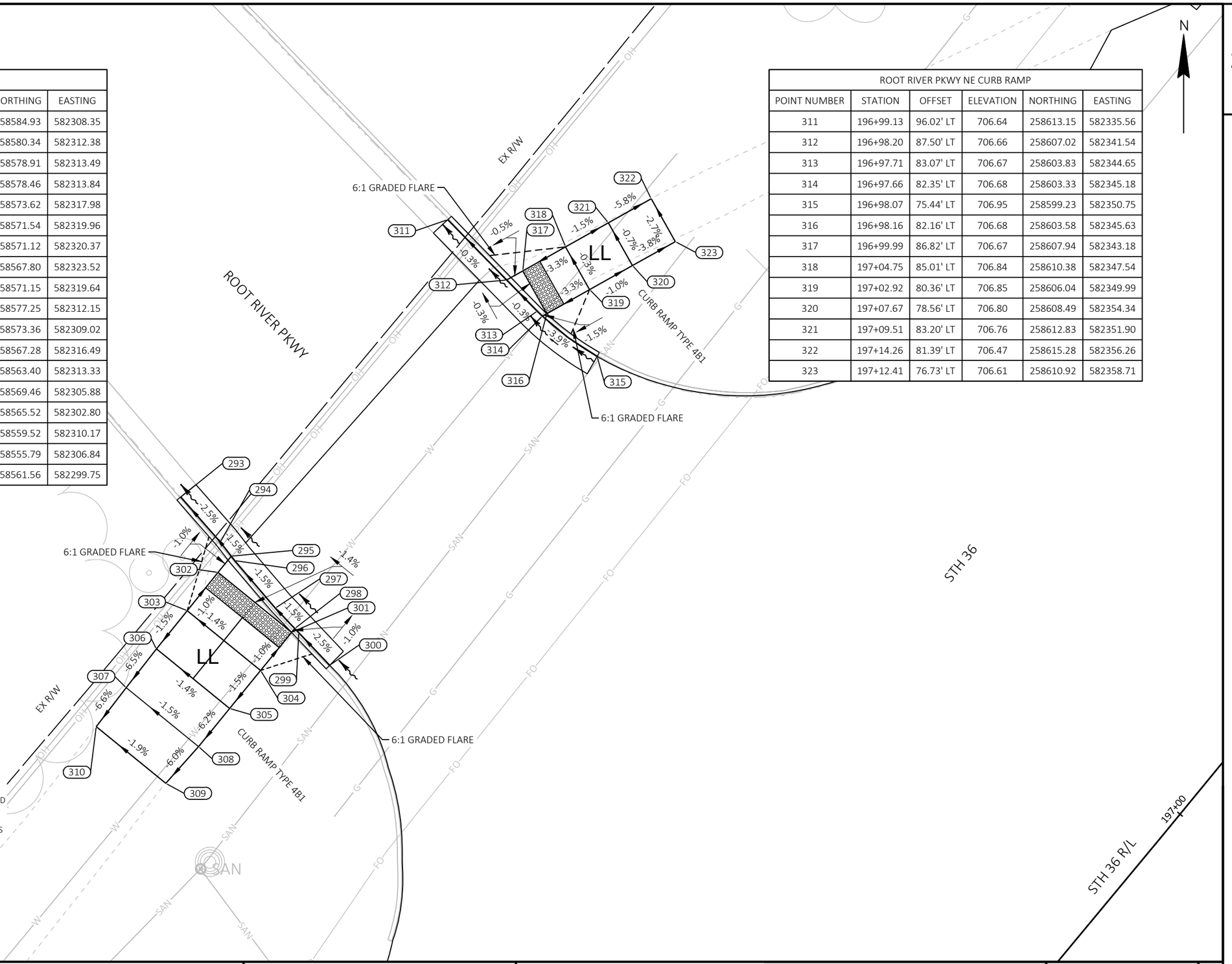
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - Horizon DR N

PLOT DATE : 10/25/2023 4:12 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

ROOT RIVER PKWY SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
293	196+59.09	98.82' LT	706.60	258584.93	582308.35
294	196+58.15	92.78' LT	706.75	258580.34	582312.38
295	196+57.77	91.01' LT	706.78	258578.91	582313.49
296	196+57.65	90.45' LT	706.79	258578.46	582313.84
297	196+56.60	84.17' LT	706.88	258573.62	582317.98
298	196+56.28	81.32' LT	706.93	258571.54	582319.96
299	196+56.22	80.73' LT	706.94	258571.12	582320.37
300	196+55.70	76.18' LT	707.06	258567.80	582323.52
301	196+55.77	81.31' LT	706.93	258571.15	582319.64
302	196+55.59	90.96' LT	706.80	258577.25	582312.15
303	196+50.48	90.85' LT	706.85	258573.36	582309.02
304	196+50.67	81.21' LT	706.98	258567.28	582316.49
305	196+45.57	81.12' LT	706.91	258563.40	582313.33
306	196+45.37	90.72' LT	706.78	258569.46	582305.88
307	196+40.26	90.52' LT	706.45	258565.52	582302.80
308	196+40.47	81.01' LT	706.59	258559.52	582310.17
309	196+35.36	81.13' LT	706.29	258555.79	582306.84
310	196+35.15	90.26' LT	706.12	258561.56	582299.75

ROOT RIVER PKWY NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
311	196+99.13	96.02' LT	706.64	258613.15	582335.56
312	196+98.20	87.50' LT	706.66	258607.02	582341.54
313	196+97.71	83.07' LT	706.67	258603.83	582344.65
314	196+97.66	82.35' LT	706.68	258603.33	582345.18
315	196+98.07	75.44' LT	706.95	258599.23	582350.75
316	196+98.16	82.16' LT	706.68	258603.58	582345.63
317	196+99.99	86.82' LT	706.67	258607.94	582343.18
318	197+04.75	85.01' LT	706.84	258610.38	582347.54
319	197+02.92	80.36' LT	706.85	258606.04	582349.99
320	197+07.67	78.56' LT	706.80	258608.49	582354.34
321	197+09.51	83.20' LT	706.76	258612.83	582351.90
322	197+14.26	81.39' LT	706.47	258615.28	582356.26
323	197+12.41	76.73' LT	706.61	258610.92	582358.71



NOTES

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THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

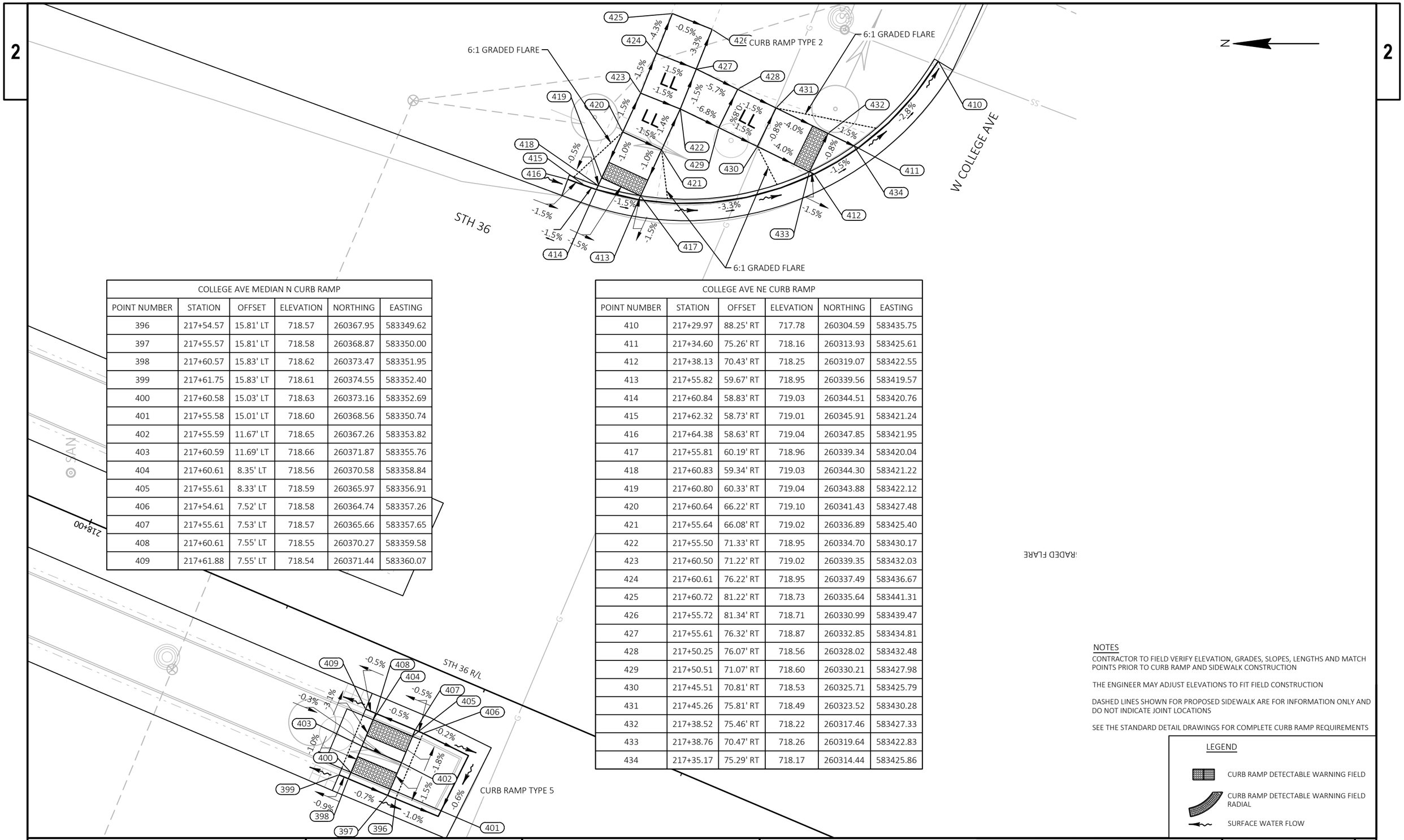
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - ROOT RIVER PARKWAY	SHEET 77	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - ROOT RIVER PKWY

PLOT DATE : 10/25/2023 4:52 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



COLLEGE AVE MEDIAN N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
396	217+54.57	15.81' LT	718.57	260367.95	583349.62
397	217+55.57	15.81' LT	718.58	260368.87	583350.00
398	217+60.57	15.83' LT	718.62	260373.47	583351.95
399	217+61.75	15.83' LT	718.61	260374.55	583352.40
400	217+60.58	15.03' LT	718.63	260373.16	583352.69
401	217+55.58	15.01' LT	718.60	260368.56	583350.74
402	217+55.59	11.67' LT	718.65	260367.26	583353.82
403	217+60.59	11.69' LT	718.66	260371.87	583355.76
404	217+60.61	8.35' LT	718.56	260370.58	583358.84
405	217+55.61	8.33' LT	718.59	260365.97	583356.91
406	217+54.61	7.52' LT	718.58	260364.74	583357.26
407	217+55.61	7.53' LT	718.57	260365.66	583357.65
408	217+60.61	7.55' LT	718.55	260370.27	583359.58
409	217+61.88	7.55' LT	718.54	260371.44	583360.07

COLLEGE AVE NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
410	217+29.97	88.25' RT	717.78	260304.59	583435.75
411	217+34.60	75.26' RT	718.16	260313.93	583425.61
412	217+38.13	70.43' RT	718.25	260319.07	583422.55
413	217+55.82	59.67' RT	718.95	260339.56	583419.57
414	217+60.84	58.83' RT	719.03	260344.51	583420.76
415	217+62.32	58.73' RT	719.01	260345.91	583421.24
416	217+64.38	58.63' RT	719.04	260347.85	583421.95
417	217+55.81	60.19' RT	718.96	260339.34	583420.04
418	217+60.83	59.34' RT	719.03	260344.30	583421.22
419	217+60.80	60.33' RT	719.04	260343.88	583422.12
420	217+60.64	66.22' RT	719.10	260341.43	583427.48
421	217+55.64	66.08' RT	719.02	260336.89	583425.40
422	217+55.50	71.33' RT	718.95	260334.70	583430.17
423	217+60.50	71.22' RT	719.02	260339.35	583432.03
424	217+60.61	76.22' RT	718.95	260337.49	583436.67
425	217+60.72	81.22' RT	718.73	260335.64	583441.31
426	217+55.72	81.34' RT	718.71	260330.99	583439.47
427	217+55.61	76.32' RT	718.87	260332.85	583434.81
428	217+50.25	76.07' RT	718.56	260328.02	583432.48
429	217+50.51	71.07' RT	718.60	260330.21	583427.98
430	217+45.51	70.81' RT	718.53	260325.71	583425.79
431	217+45.26	75.81' RT	718.49	260323.52	583430.28
432	217+38.52	75.46' RT	718.22	260317.46	583427.33
433	217+38.76	70.47' RT	718.26	260319.64	583422.83
434	217+35.17	75.29' RT	718.17	260314.44	583425.86

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

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DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W COLLEGE AVE NE	SHEET 78	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - COLLEGE AVE NE

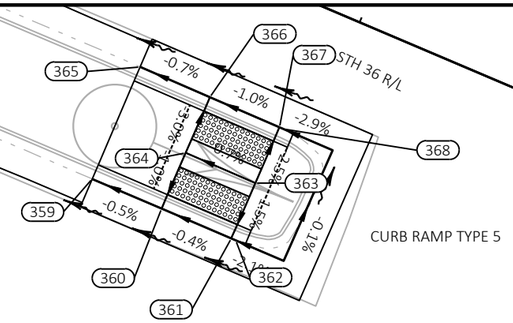
PLOT DATE : 10/25/2023 4:53 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

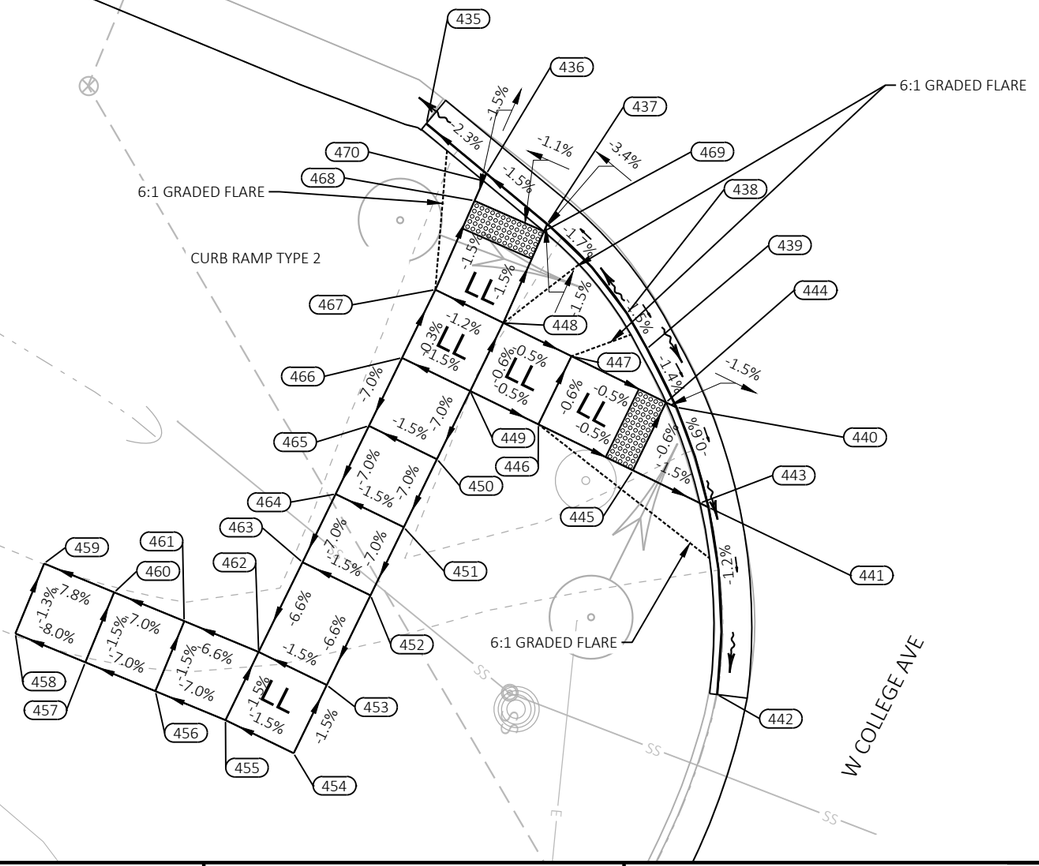
WISDOT/CADDS SHEET 42

COLLEGE AVE SE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
435	216+62.76	56.92' RT	717.62	260254.99	583380.62
436	216+67.70	58.41' RT	717.74	260258.96	583383.92
437	216+72.69	59.91' RT	717.82	260262.97	583387.26
438	216+79.85	63.27' RT	717.96	260268.23	583393.15
439	216+81.98	64.89' RT	717.91	260269.56	583395.48
440	216+85.28	67.70' RT	717.85	260271.50	583399.35
441	216+89.81	72.94' RT	717.81	260273.62	583405.95
442	216+95.15	84.07' RT	717.67	260274.18	583418.28
443	216+89.17	72.90' RT	717.82	260273.05	583405.67
444	216+84.51	67.66' RT	717.87	260270.81	583399.01
445	216+84.25	72.65' RT	717.90	260268.62	583403.51
446	216+77.32	72.29' RT	717.93	260262.38	583400.46
447	216+77.58	67.30' RT	717.90	260264.57	583395.97
448	216+72.58	67.04' RT	717.93	260260.07	583393.78
449	216+72.32	72.03' RT	717.96	260257.88	583398.27
450	216+72.06	77.03' RT	717.61	260255.69	583402.77
451	216+71.81	82.02' RT	717.26	260253.50	583407.26
452	216+71.55	87.01' RT	716.91	260251.31	583411.75

COLLEGE AVE MEDIAN S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
359	216+62.81	16.42' RT	717.75	260270.88	583343.37
360	216+67.79	16.43' RT	717.77	260275.46	583345.33
361	216+72.79	16.45' RT	717.79	260280.06	583347.30
362	216+73.11	16.45' RT	717.80	260280.35	583347.43
363	216+72.82	12.46' RT	717.84	260281.65	583343.64
364	216+67.82	12.42' RT	717.81	260277.06	583341.65
365	216+62.83	8.38' RT	717.66	260274.05	583335.98
366	216+67.85	8.42' RT	717.70	260278.65	583337.98
367	216+72.85	8.45' RT	717.75	260283.24	583339.97
368	216+73.13	8.45' RT	717.76	260283.50	583340.08

COLLEGE AVE SE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
453	216+71.21	93.59' RT	716.48	260248.42	583417.67
454	216+70.95	98.58' RT	716.55	260246.23	583422.17
455	216+65.96	98.33' RT	716.48	260241.73	583419.98
456	216+60.96	98.38' RT	716.13	260237.11	583418.07
457	216+55.96	98.44' RT	715.78	260232.49	583416.17
458	216+50.96	98.49' RT	715.38	260227.87	583414.26
459	216+50.90	93.50' RT	715.31	260229.77	583409.65
460	216+55.90	93.45' RT	715.70	260234.39	583411.55
461	216+60.90	93.39' RT	716.05	260239.01	583413.46
462	216+66.21	93.33' RT	716.40	260243.93	583415.48
463	216+66.55	86.75' RT	716.83	260246.81	583409.56
464	216+66.81	81.76' RT	717.18	260249.01	583405.07
465	216+67.07	76.77' RT	717.53	260251.20	583400.57
466	216+67.33	71.77' RT	717.88	260253.39	583396.08
467	216+67.59	66.78' RT	717.87	260255.58	583391.59
468	216+67.67	60.37' RT	717.77	260258.17	583385.72
469	216+72.68	60.43' RT	717.83	260262.75	583387.74
470	216+67.69	58.93' RT	717.75	260258.75	583384.40





NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

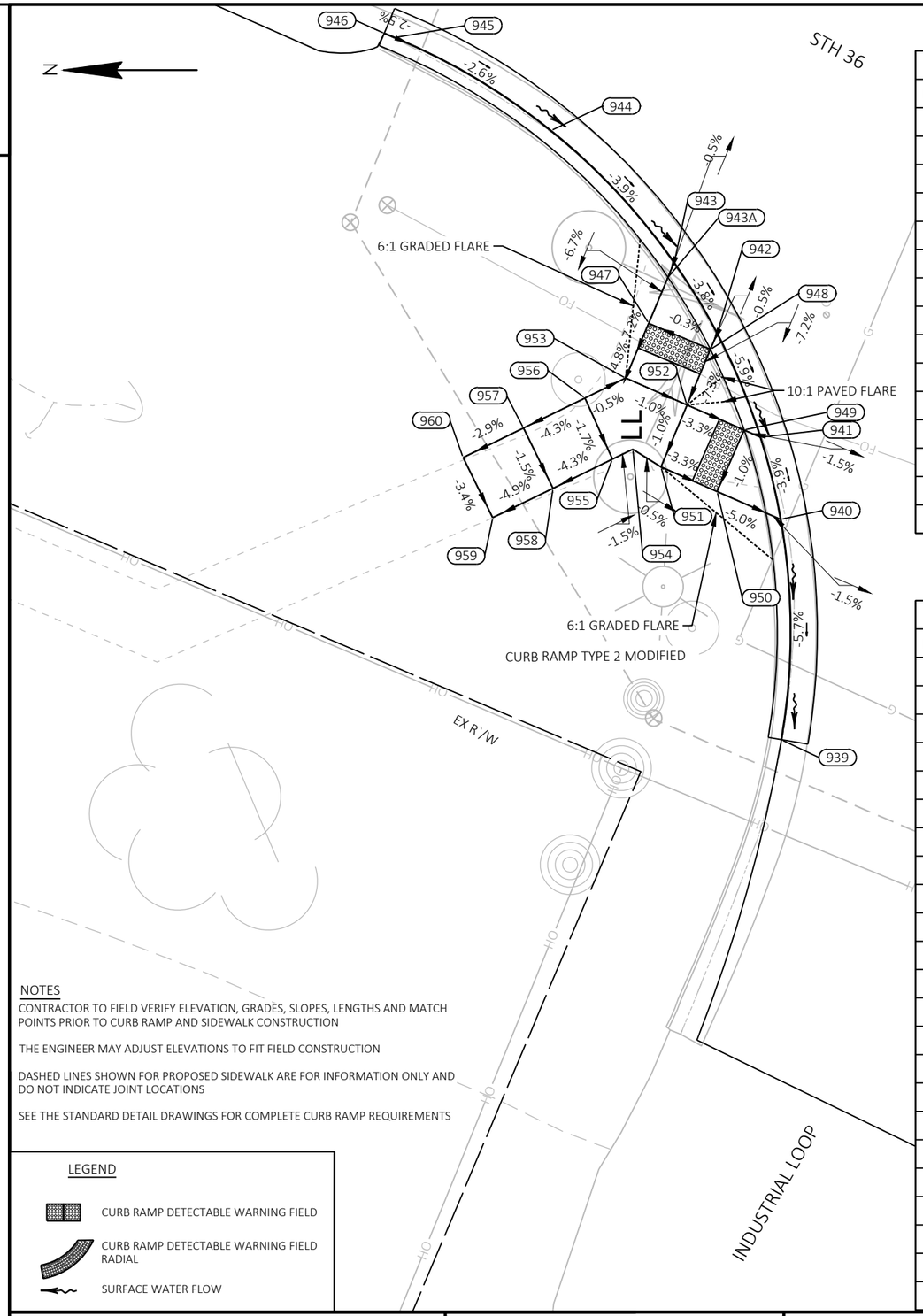
SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W COLLEGE AVE SE	SHEET 79	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - COLLEGE AVE SE
PLOT DATE : 10/25/2023 4:53 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

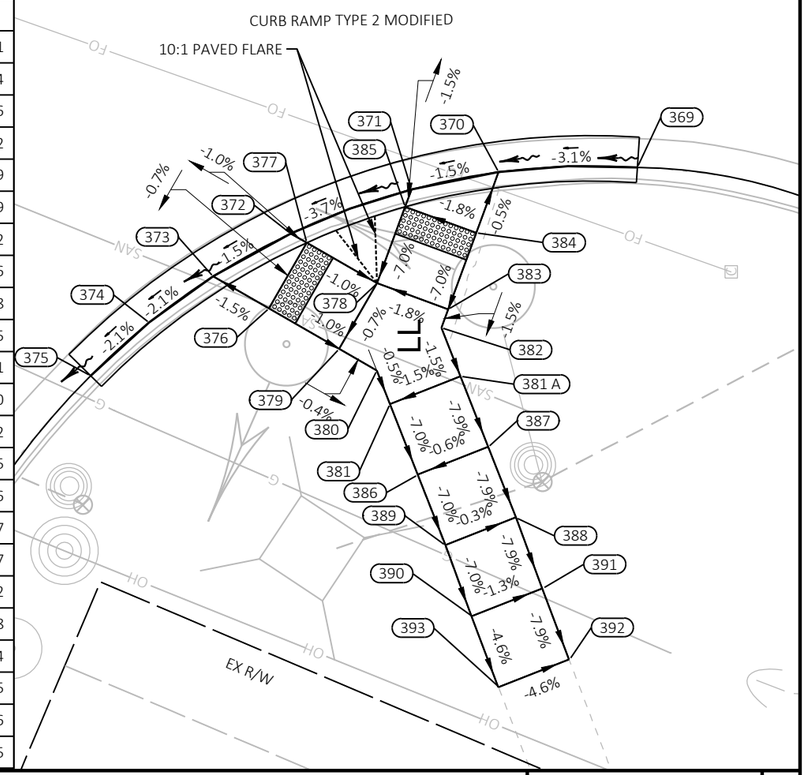
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

COLLEGE AVE SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
369	216+55.89	60.22' LT	716.32	260294.50	583270.14
370	216+64.19	64.08' LT	716.03	260303.66	583269.83
371	216+69.04	67.38' LT	715.94	260309.41	583268.69
372	216+75.24	73.18' LT	715.63	260317.38	583265.77
373	216+78.84	77.79' LT	715.54	260322.50	583262.95
374	216+81.54	82.25' LT	715.44	260326.73	583259.90
375	216+83.72	86.98' LT	715.32	260330.59	583256.39
376	216+74.62	78.30' LT	715.60	260318.82	583260.83
377	216+74.02	73.33' LT	715.64	260316.32	583265.16
378	216+68.71	73.97' LT	715.59	260311.68	583262.50
379	216+69.31	78.94' LT	715.55	260314.18	583258.16
380	216+66.47	79.28' LT	715.54	260311.70	583256.74
381	216+64.80	80.98' LT	715.53	260310.83	583254.52
381 A	216+61.24	77.47' LT	715.61	260306.18	583256.35
382	216+63.65	75.01' LT	715.66	260307.44	583259.56

COLLEGE AVE NW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
939	217+39.08	92.46' LT	715.47	260383.68	583273.01
940	217+45.56	77.37' LT	716.41	260383.74	583289.44
941	217+49.34	72.33' LT	716.66	260385.24	583295.56
942	217+55.35	66.45' LT	717.15	260388.47	583303.32
943	217+60.36	62.85' LT	717.39	260391.68	583308.59
943A	217+60.36	64.04' LT	717.39	260392.14	583307.49
944	217+72.66	57.40' LT	717.91	260400.87	583318.42
945	217+86.12	55.58' LT	718.26	260412.54	583325.36
946	217+86.95	55.59' LT	718.28	260413.30	583325.68
947	217+60.34	67.78' LT	717.14	260393.59	583304.05
948	217+55.34	67.76' LT	717.16	260388.98	583302.11
949	217+50.68	72.31' LT	716.68	260386.47	583296.10
950	217+50.74	77.31' LT	716.63	260388.48	583291.52
951	217+55.31	77.26' LT	716.78	260392.66	583293.35
952	217+55.33	72.26' LT	716.83	260390.72	583297.96
953	217+60.32	72.20' LT	716.88	260395.30	583299.97
954	217+57.76	76.87' LT	716.79	260394.77	583294.67
955	217+58.87	78.15' LT	716.82	260396.29	583293.92
956	217+62.54	74.76' LT	716.90	260398.34	583298.48
957	217+65.88	78.61' LT	716.68	260402.92	583296.24
958	217+62.10	81.89' LT	716.60	260400.72	583291.75
959	217+65.37	85.66' LT	716.37	260405.22	583289.56
960	217+69.15	82.39' LT	716.53	260407.42	583294.05

COLLEGE AVE SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
383	216+63.72	73.72' LT	715.68	260306.99	583260.77
384	216+63.98	68.36' LT	716.05	260305.14	583265.81
385	216+68.98	68.60' LT	715.96	260309.83	583267.54
386	216+61.28	84.55' LT	715.18	260308.99	583249.85
387	216+57.72	81.05' LT	715.21	260304.34	583251.68
388	216+54.21	84.61' LT	714.81	260302.51	583247.03
389	216+57.78	88.12' LT	714.83	260307.16	583245.20
390	216+54.32	91.73' LT	714.48	260305.39	583240.52
391	216+50.76	88.23' LT	714.41	260300.74	583242.35
392	216+47.30	91.84' LT	714.02	260298.98	583237.68
393	216+50.87	95.35' LT	714.25	260303.63	583235.84

CURB RAMP TYPE 2 MODIFIED



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W COLLEGE AVE W	SHEET 80	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - COLLEGE AVE W

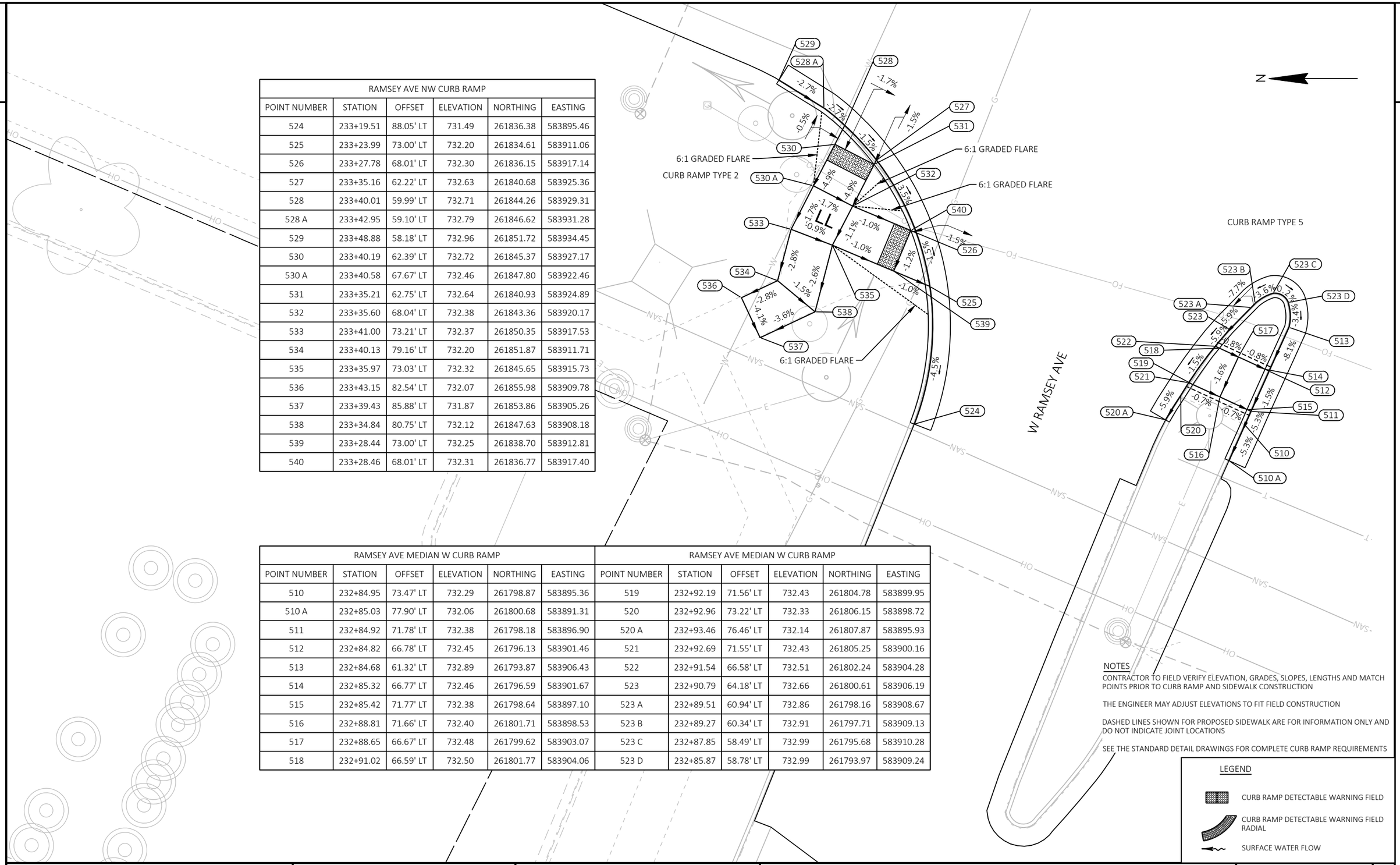
PLOT DATE : 10/25/2023 4:53 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

RAMSEY AVE NW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
524	233+19.51	88.05' LT	731.49	261836.38	583895.46
525	233+23.99	73.00' LT	732.20	261834.61	583911.06
526	233+27.78	68.01' LT	732.30	261836.15	583917.14
527	233+35.16	62.22' LT	732.63	261840.68	583925.36
528	233+40.01	59.99' LT	732.71	261844.26	583929.31
528 A	233+42.95	59.10' LT	732.79	261846.62	583931.28
529	233+48.88	58.18' LT	732.96	261851.72	583934.45
530	233+40.19	62.39' LT	732.72	261845.37	583927.17
530 A	233+40.58	67.67' LT	732.46	261847.80	583922.46
531	233+35.21	62.75' LT	732.64	261840.93	583924.89
532	233+35.60	68.04' LT	732.38	261843.36	583920.17
533	233+41.00	73.21' LT	732.37	261850.35	583917.53
534	233+40.13	79.16' LT	732.20	261851.87	583911.71
535	233+35.97	73.03' LT	732.32	261845.65	583915.73
536	233+43.15	82.54' LT	732.07	261855.98	583909.78
537	233+39.43	85.88' LT	731.87	261853.86	583905.26
538	233+34.84	80.75' LT	732.12	261847.63	583908.18
539	233+28.44	73.00' LT	732.25	261838.70	583912.81
540	233+28.46	68.01' LT	732.31	261836.77	583917.40

RAMSEY AVE MEDIAN W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
510	232+84.95	73.47' LT	732.29	261798.87	583895.36
510 A	232+85.03	77.90' LT	732.06	261800.68	583891.31
511	232+84.92	71.78' LT	732.38	261798.18	583896.90
512	232+84.82	66.78' LT	732.45	261796.13	583901.46
513	232+84.68	61.32' LT	732.89	261793.87	583906.43
514	232+85.32	66.77' LT	732.46	261796.59	583901.67
515	232+85.42	71.77' LT	732.38	261798.64	583897.10
516	232+88.81	71.66' LT	732.40	261801.71	583898.53
517	232+88.65	66.67' LT	732.48	261799.62	583903.07
518	232+91.02	66.59' LT	732.50	261801.77	583904.06

RAMSEY AVE MEDIAN W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
519	232+92.19	71.56' LT	732.43	261804.78	583899.95
520	232+92.96	73.22' LT	732.33	261806.15	583898.72
520 A	232+93.46	76.46' LT	732.14	261807.87	583895.93
521	232+92.69	71.55' LT	732.43	261805.25	583900.16
522	232+91.54	66.58' LT	732.51	261802.24	583904.28
523	232+90.79	64.18' LT	732.66	261800.61	583906.19
523 A	232+89.51	60.94' LT	732.86	261798.16	583908.67
523 B	232+89.27	60.34' LT	732.91	261797.71	583909.13
523 C	232+87.85	58.49' LT	732.99	261795.68	583910.28
523 D	232+85.87	58.78' LT	732.99	261793.97	583909.24



NOTES

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAMSEY AVE NW	SHEET 81	E

2

RAMSEY AVE ISLAND SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
490	232+48.88	76.20' LT	731.88	261766.74	583878.73
491	232+48.06	74.23' LT	731.96	261765.22	583880.23
492	232+46.17	69.59' LT	732.04	261761.67	583883.75
493	232+42.73	61.74' LT	732.60	261755.43	583889.63
494	232+44.77	58.61' LT	732.73	261756.08	583893.32
495	232+48.32	58.57' LT	732.77	261759.33	583894.74
496	232+53.32	58.51' LT	732.80	261763.91	583896.75
497	232+56.48	58.47' LT	732.80	261766.80	583898.02
498	232+58.75	60.66' LT	732.74	261769.75	583896.90
499	232+59.00	68.07' LT	732.12	261772.88	583890.17
500	232+59.16	73.07' LT	732.05	261774.98	583885.63
501	232+59.32	77.81' LT	731.63	261776.98	583881.34
502	232+58.66	73.08' LT	732.06	261774.52	583885.43
503	232+58.50	68.08' LT	732.13	261772.42	583889.97
504	232+53.76	68.11' LT	732.24	261768.07	583888.09
504 A	232+53.80	73.12' LT	732.17	261770.06	583883.49
505	232+53.41	66.73' LT	732.26	261767.21	583889.22
505 A	232+48.41	66.78' LT	732.21	261762.63	583887.22
506	232+53.35	61.02' LT	732.63	261764.92	583894.45
506 A	232+53.33	59.01' LT	732.77	261764.11	583896.29
507	232+48.35	61.08' LT	732.60	261760.34	583892.44
507 A	232+48.32	59.06' LT	732.74	261759.52	583894.29
508	232+48.42	68.54' LT	732.18	261763.32	583885.61
509	232+50.34	73.16' LT	732.11	261766.90	583882.11

RAMSEY AVE SW CORNER CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
471	232+34.79	86.91' LT	730.78	261757.97	583863.36
472	232+32.14	81.27' LT	731.26	261753.32	583867.52
473	232+29.54	76.96' LT	731.33	261749.24	583870.46
474	232+25.05	71.15' LT	731.59	261742.84	583874.06
475	232+29.08	77.18' LT	731.33	261748.91	583870.09
476	232+31.68	81.48' LT	731.26	261752.98	583867.15
477	232+31.21	81.70' LT	731.26	261752.63	583866.75
478	232+24.13	85.03' LT	731.28	261747.42	583860.92
479	232+22.12	80.45' LT	731.35	261743.78	583864.35
480	232+17.58	82.59' LT	731.28	261740.43	583860.61
481	232+19.58	87.17' LT	731.20	261744.07	583857.18
482	232+20.32	88.86' LT	731.18	261745.42	583855.91
483	232+15.87	89.24' LT	731.25	261741.46	583853.82
484	232+16.36	93.95' LT	731.15	261743.77	583849.68
485	232+21.27	91.02' LT	731.14	261747.13	583854.29
486	232+22.27	93.31' LT	731.10	261748.95	583852.58
487	232+23.27	95.60' LT	729.17	261750.77	583850.86
488	232+27.87	93.58' LT	731.05	261754.21	583854.52
489	232+25.87	89.00' LT	731.17	261750.58	583857.95

CURB RAMP TYPE 6

CURB RAMP TYPE 4B1

STH 36

W RAMSEY AVE

EX R/W

6:1 GRADED FLARE

6:1 GRADED FLARE

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

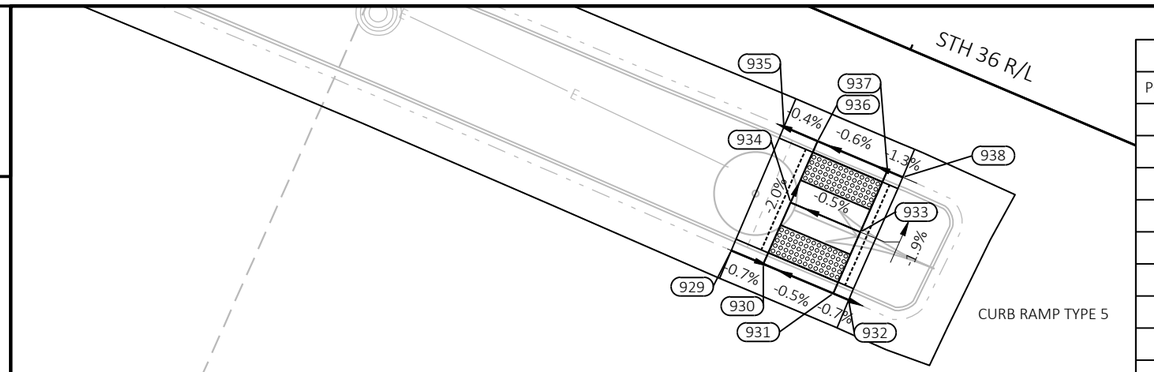
CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

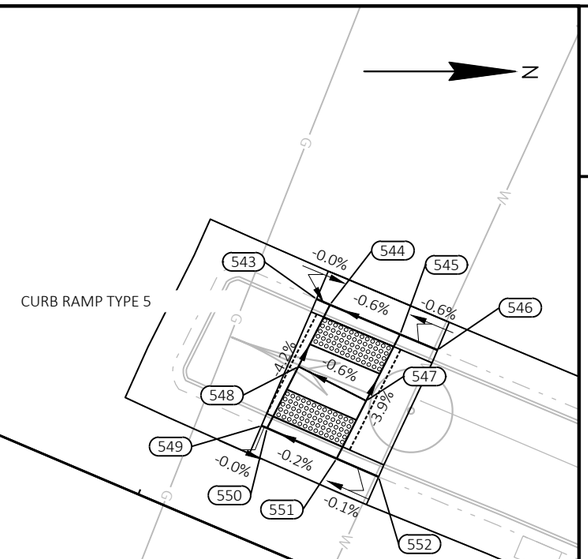
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAMSEY AVE SW	SHEET 82	E

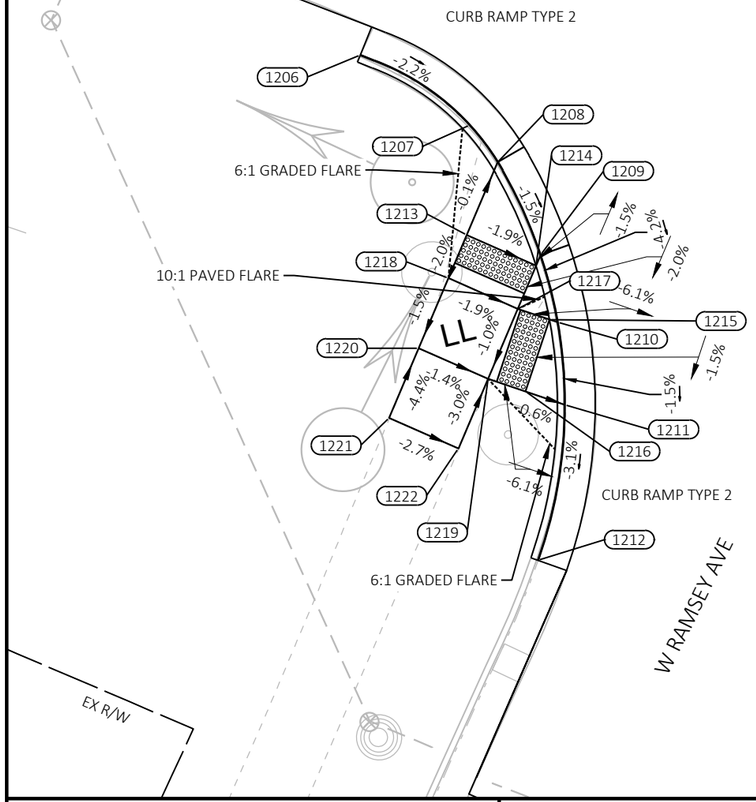
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LAYOUT NAME - RAMSEY AVE SW

PLOT DATE : 10/25/2023 4:54 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT



RAMSEY AVE MEDIAN S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
929	232+44.30	16.84' RT	734.53	261726.13	583962.56
930	232+46.60	16.82' RT	734.51	261728.25	583963.44
931	232+51.60	16.81' RT	734.54	261732.85	583965.39
932	232+52.71	16.80' RT	734.53	261733.88	583965.82
933	232+51.66	12.38' RT	734.46	261734.64	583961.34
934	232+46.66	12.39' RT	734.43	261730.04	583959.39
935	232+44.31	7.96' RT	734.33	261729.60	583954.40
936	232+46.72	8.00' RT	734.34	261731.81	583955.37
937	232+51.73	7.96' RT	734.37	261736.43	583957.29
938	232+52.82	7.96' RT	734.38	261737.44	583957.72





W Ramsey Ave SW CR					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1206	232+34.65	56.03' RT	734.13	261701.91	583994.85
1207	232+43.10	57.46' RT	733.94	261709.12	583999.48
1208	232+45.76	58.99' RT	733.86	261710.97	584001.92
1209	232+50.76	63.52' RT	733.76	261713.80	584008.05
1210	232+53.54	67.16' RT	733.56	261714.93	584012.49
1211	232+56.10	71.98' RT	733.48	261715.41	584017.92
1212	232+58.49	82.12' RT	733.16	261713.64	584028.19
1213	232+45.76	64.21' RT	733.87	261708.93	584006.73
1214	232+50.76	64.28' RT	733.77	261713.51	584008.75
1215	232+52.97	67.21' RT	733.57	261714.40	584012.31
1216	232+53.36	72.19' RT	733.50	261712.80	584017.05
1217	232+50.76	67.38' RT	733.73	261712.30	584011.60
1218	232+45.76	67.30' RT	733.80	261707.73	584009.57
1219	232+50.77	72.39' RT	733.65	261710.34	584016.22
1220	232+45.76	72.32' RT	733.73	261705.76	584014.19
1221	232+45.77	77.32' RT	733.95	261703.81	584018.79
1222	232+50.77	77.39' RT	733.81	261708.39	584020.81

RAMSEY AVE MEDIAN N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
543	233+30.78	16.45' LT	733.73	261818.74	583965.76
544	233+31.74	16.46' LT	733.73	261819.62	583966.14
545	233+36.76	16.47' LT	733.76	261824.24	583968.09
546	233+39.43	16.48' LT	733.78	261826.71	583969.13
547	233+36.42	11.55' LT	733.95	261822.00	583972.48
548	233+31.43	11.90' LT	733.92	261817.55	583970.21
549	233+30.71	7.35' LT	734.11	261815.10	583974.11
550	233+31.11	7.34' LT	734.11	261815.47	583974.28
551	233+36.12	7.29' LT	734.12	261820.07	583976.28
552	233+39.13	7.26' LT	734.13	261822.83	583977.49

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAMSEY AVE SE	SHEET 83	E

RAMSEY NE CORNER CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
580	233+51.36	77.74' RT	733.24	261800.82	584060.50
580 A	233+52.02	75.92' RT	733.28	261802.14	584059.08
581	233+52.66	74.32' RT	733.31	261803.35	584057.86
582	233+55.07	69.87' RT	733.38	261807.31	584054.71
583	233+76.86	56.94' RT	734.20	261832.42	584051.34
584	233+79.66	56.71' RT	734.29	261835.09	584052.22
585	233+55.55	70.04' RT	733.39	261807.69	584055.06
586	233+53.87	74.76' RT	733.33	261804.29	584058.73
587	233+59.67	76.83' RT	733.52	261808.82	584062.91
588	233+61.47	72.10' RT	733.59	261812.33	584059.27
589	233+66.12	73.94' RT	733.65	261815.89	584062.78
590	233+64.34	78.62' RT	733.60	261812.42	584066.38

RAMSEY AVE ISLAND NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
557	233+24.13	68.74' RT	734.05	261779.29	584041.56
558	233+24.09	66.68' RT	734.12	261780.05	584039.65
559	233+23.97	61.68' RT	734.19	261781.90	584035.00
560	233+23.93	60.02' RT	734.21	261782.51	584033.46
561	233+24.95	59.00' RT	734.22	261783.85	584032.92
562	233+28.57	59.07' RT	734.25	261787.15	584034.40
563	233+33.55	59.18' RT	734.17	261791.70	584036.45
564	233+37.65	59.27' RT	734.04	261795.43	584038.14
565	233+39.04	61.26' RT	733.95	261795.93	584040.51
566	233+38.27	63.16' RT	733.89	261794.48	584041.96
567	233+36.50	67.85' RT	733.81	261791.02	584045.58
568	233+35.53	70.64' RT	733.66	261789.03	584047.76

RAMSEY AVE ISLAND NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
569	233+36.04	67.70' RT	733.82	261790.65	584045.26
570	233+37.54	62.93' RT	733.90	261793.90	584041.46
571	233+33.50	61.87' RT	734.03	261790.59	584038.90
572	233+34.21	61.88' RT	734.02	261791.24	584039.19
573	233+33.39	66.86' RT	733.98	261788.54	584043.46
574	233+28.39	66.76' RT	734.03	261783.98	584041.40
575	233+24.56	66.69' RT	734.12	261780.48	584039.85
576	233+24.65	61.69' RT	734.20	261782.52	584035.28
577	233+28.50	61.76' RT	734.10	261786.03	584036.85
578	233+28.56	59.57' RT	734.25	261786.94	584034.86
579	233+33.54	59.68' RT	734.18	261791.49	584036.90

EX R/W

EX R/W

CURB RAMP TYPE 4B1

6:1 GRADED FLARE

6:1 GRADED FLARE

CURB RAMP TYPE 6

W RAMSEY AVE

STH 36

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W RAMSEY AVE NE	SHEET 84	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - RAMSEY AVE NE

PLOT DATE : 10/25/2023 4:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

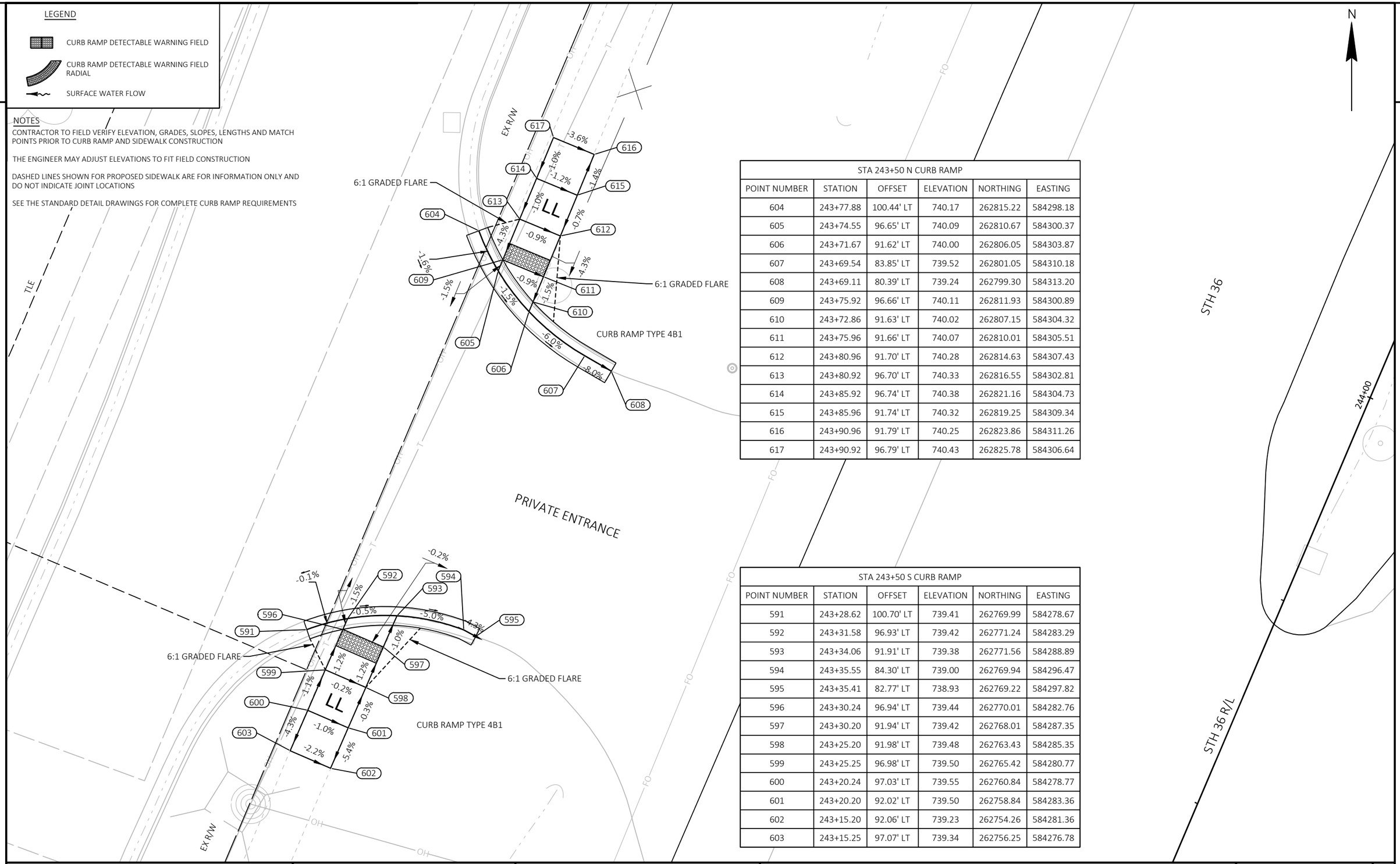
NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



STA 243+50 N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
604	243+77.88	100.44' LT	740.17	262815.22	584298.18
605	243+74.55	96.65' LT	740.09	262810.67	584300.37
606	243+71.67	91.62' LT	740.00	262806.05	584303.87
607	243+69.54	83.85' LT	739.52	262801.05	584310.18
608	243+69.11	80.39' LT	739.24	262799.30	584313.20
609	243+75.92	96.66' LT	740.11	262811.93	584300.89
610	243+72.86	91.63' LT	740.02	262807.15	584304.32
611	243+75.96	91.66' LT	740.07	262810.01	584305.51
612	243+80.96	91.70' LT	740.28	262814.63	584307.43
613	243+80.92	96.70' LT	740.33	262816.55	584302.81
614	243+85.92	96.74' LT	740.38	262821.16	584304.73
615	243+85.96	91.74' LT	740.32	262819.25	584309.34
616	243+90.96	91.79' LT	740.25	262823.86	584311.26
617	243+90.92	96.79' LT	740.43	262825.78	584306.64

STA 243+50 S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
591	243+28.62	100.70' LT	739.41	262769.99	584278.67
592	243+31.58	96.93' LT	739.42	262771.24	584283.29
593	243+34.06	91.91' LT	739.38	262771.56	584288.89
594	243+35.55	84.30' LT	739.00	262769.94	584296.47
595	243+35.41	82.77' LT	738.93	262769.22	584297.82
596	243+30.24	96.94' LT	739.44	262770.01	584282.76
597	243+30.20	91.94' LT	739.42	262768.01	584287.35
598	243+25.20	91.98' LT	739.48	262763.43	584285.35
599	243+25.25	96.98' LT	739.50	262765.42	584280.77
600	243+20.24	97.03' LT	739.55	262760.84	584278.77
601	243+20.20	92.02' LT	739.50	262758.84	584283.36
602	243+15.20	92.06' LT	739.23	262754.26	584281.36
603	243+15.25	97.07' LT	739.34	262756.25	584276.78

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 243+50	SHEET 85	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - STA 243+50

PLOT DATE : 10/25/2023 4:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

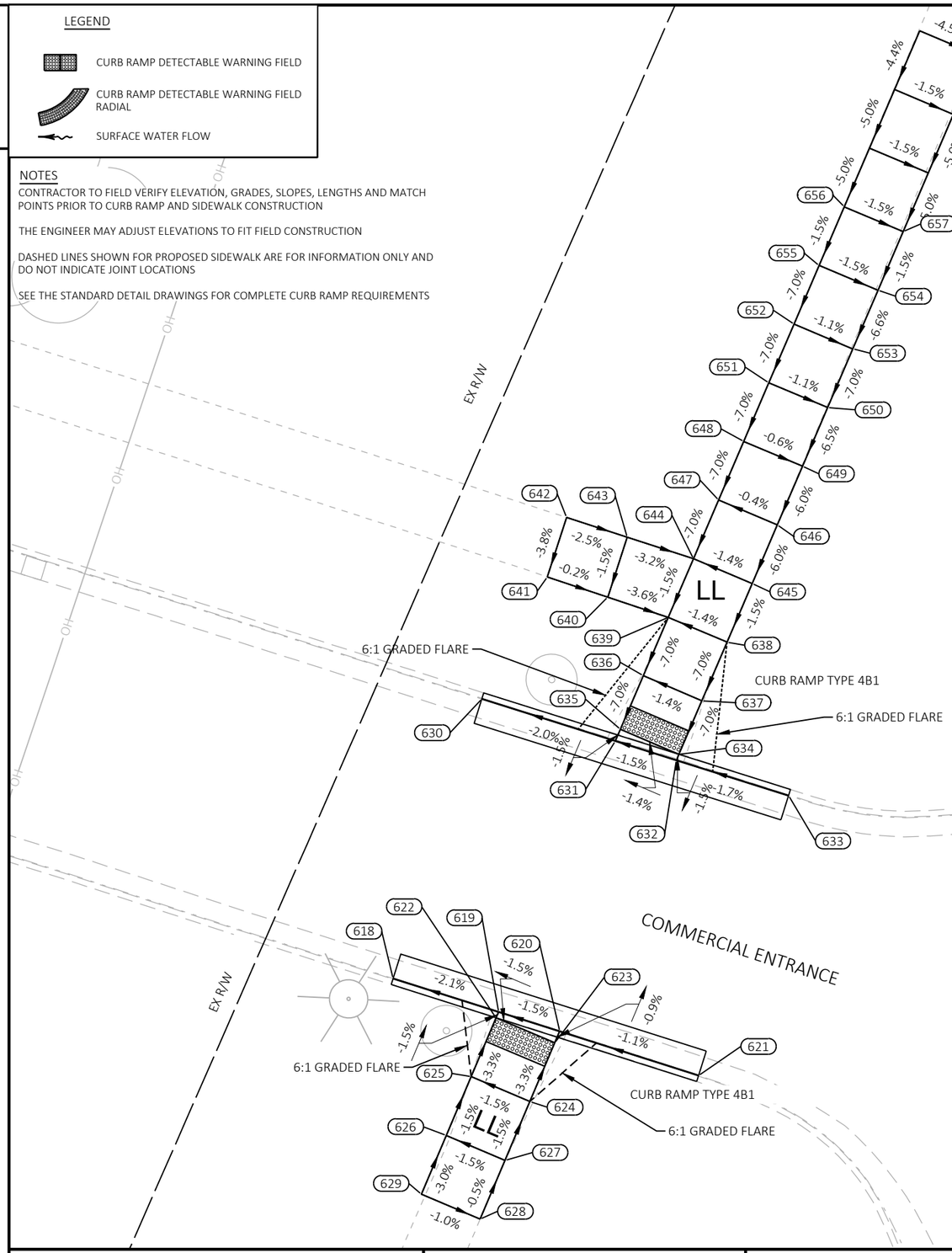
NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



STA 266+00 N CURB RAMP						STA 266+00 N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
630	266+01.64	107.96' LT	790.79	264864.62	585161.37	644	266+18.24	96.99' LT	791.77	264875.61	585177.96
631	266+02.70	97.04' LT	791.01	264861.33	585171.83	645	266+18.26	91.99' LT	791.84	264873.67	585182.57
632	266+03.19	92.04' LT	791.09	264859.82	585176.63	646	266+23.26	91.98' LT	792.14	264878.27	585184.54
633	266+04.09	82.86' LT	791.25	264857.05	585185.43	647	266+23.24	96.98' LT	792.12	264880.20	585179.93
634	266+03.69	92.04' LT	791.10	264860.28	585176.83	648	266+28.24	96.96' LT	792.47	264884.80	585181.90
635	266+03.71	97.04' LT	791.03	264862.25	585172.23	649	266+28.26	91.96' LT	792.44	264882.86	585186.51
636	266+08.27	97.03' LT	791.35	264866.45	585174.03	650	266+33.26	91.94' LT	792.77	264887.46	585188.48
637	266+08.26	92.03' LT	791.42	264864.48	585178.63	651	266+33.24	96.94' LT	792.82	264889.39	585183.88
638	266+13.26	92.01' LT	791.77	264869.07	585180.60	652	266+38.24	96.93' LT	793.17	264893.99	585185.85
639	266+13.24	97.01' LT	791.70	264871.01	585175.99	653	266+38.26	91.93' LT	793.12	264892.05	585190.46
640	266+12.85	101.99' LT	791.87	264872.60	585171.25	654	266+43.26	91.91' LT	793.45	264896.64	585192.43
641	266+12.45	106.98' LT	791.88	264874.19	585166.51	655	266+43.24	96.91' LT	793.52	264898.58	585187.82
642	266+17.33	107.41' LT	792.07	264878.84	585168.02	656	266+48.24	96.89' LT	793.60	264903.18	585189.79
643	266+17.77	102.42' LT	791.95	264877.30	585172.78	657	266+48.26	91.89' LT	793.52	264901.24	585194.40

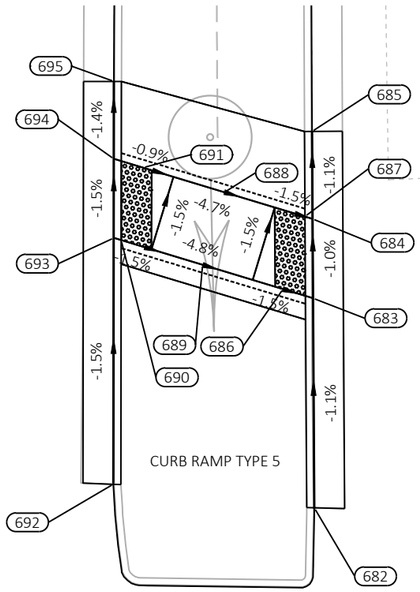
STA 266+00 S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
618	265+78.76	105.79' LT	790.52	264842.72	585154.42
619	265+79.58	97.15' LT	790.70	264840.10	585162.69
620	265+80.06	92.15' LT	790.78	264838.58	585167.47
621	265+81.14	80.78' LT	790.90	264835.12	585178.36
622	265+79.08	97.15' LT	790.71	264839.63	585162.49
623	265+79.09	92.15' LT	790.78	264837.68	585167.09
624	265+74.09	92.15' LT	790.95	264833.08	585165.14
625	265+74.08	97.15' LT	790.87	264835.03	585160.54
626	265+69.08	97.14' LT	790.95	264830.43	585158.59
627	265+69.09	92.14' LT	791.02	264828.48	585163.19
628	265+64.09	92.14' LT	791.05	264823.87	585161.24
629	265+64.08	97.14' LT	791.10	264825.82	585156.64

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS- STA 266+00	SHEET 86	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - STA 266+00

PLOT DATE : 10/25/2023 4:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

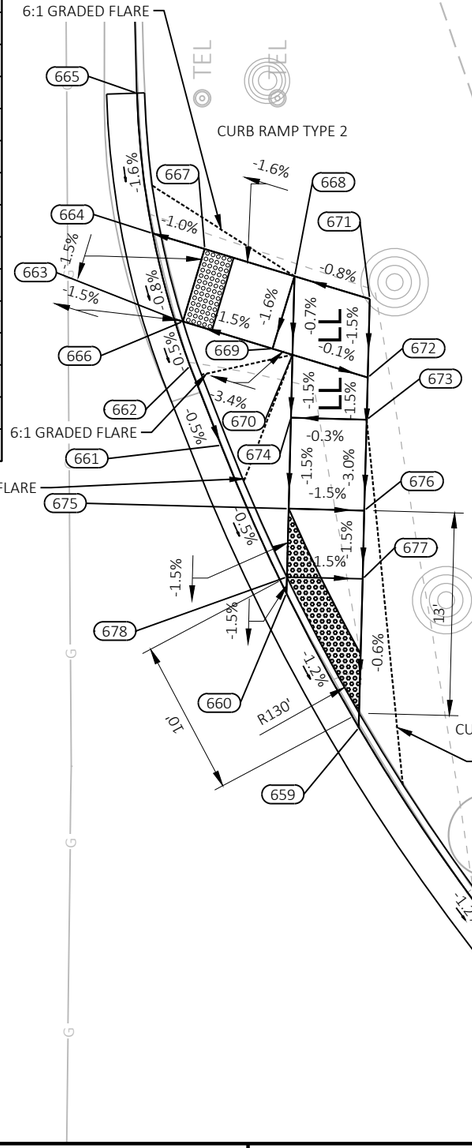
2



W GRANGE AVE MEDIAN E CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
682	273+57.80	59.21' RT	807.01	265470.98	585641.79
683	273+65.16	71.00' RT	806.86	265471.06	585655.62
684	273+67.95	75.46' RT	806.81	265471.09	585660.85
685	273+71.04	80.36' RT	806.74	265471.12	585666.62
686	273+67.20	70.48' RT	806.89	265473.03	585656.21
687	273+68.47	75.32' RT	806.81	265471.59	585661.00
688	273+73.96	73.93' RT	807.01	265476.91	585662.61
689	273+72.68	69.09' RT	807.09	265478.35	585657.82
690	273+78.19	67.68' RT	807.28	265483.71	585659.44
691	273+79.48	72.52' RT	807.19	265482.27	585664.23
692	273+70.13	53.66' RT	807.54	265484.24	585643.34
693	273+78.71	67.55' RT	807.29	265484.21	585659.59
694	273+81.48	72.00' RT	807.21	265484.21	585664.81
695	273+84.19	76.36' RT	807.14	265484.20	585669.92

W GRANGE AVE

STH 36



W GRANGE AVE SE CORNER CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
658	272+51.14	56.69' RT	804.83	265381.61	585586.53
659	272+79.86	68.64' RT	805.21	265400.20	585610.93
660	272+88.59	73.91' RT	805.33	265404.98	585619.78
661	272+97.40	80.19' RT	805.38	265409.29	585629.55
662	273+01.91	83.66' RT	805.40	265411.34	585634.77
663	273+04.44	85.82' RT	805.42	265412.39	585637.89
664	273+08.62	89.98' RT	805.46	265413.80	585643.54
665	273+14.34	97.42' RT	804.48	265414.84	585652.78
666	273+03.84	85.96' RT	805.43	265411.81	585637.71
667	273+05.04	90.82' RT	805.50	265410.36	585642.50
668	272+98.87	92.27' RT	805.60	265404.44	585640.71
669	272+97.68	87.40' RT	805.52	265405.88	585635.92
670	272+96.31	87.72' RT	805.56	265404.57	585635.53
671	272+93.70	93.47' RT	805.64	265399.47	585639.21
672	272+91.15	88.92' RT	805.56	265399.61	585634.03
673	272+89.79	86.48' RT	805.52	265399.68	585631.25
674	272+94.27	84.08' RT	805.50	265404.68	585631.37
675	272+91.33	78.82' RT	805.41	265404.83	585625.38
676	272+86.85	81.22' RT	805.34	265399.83	585625.25
677	272+84.64	77.25' RT	805.27	265399.95	585620.73
678	272+89.12	74.86' RT	805.34	265404.95	585620.86

NOTES

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LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

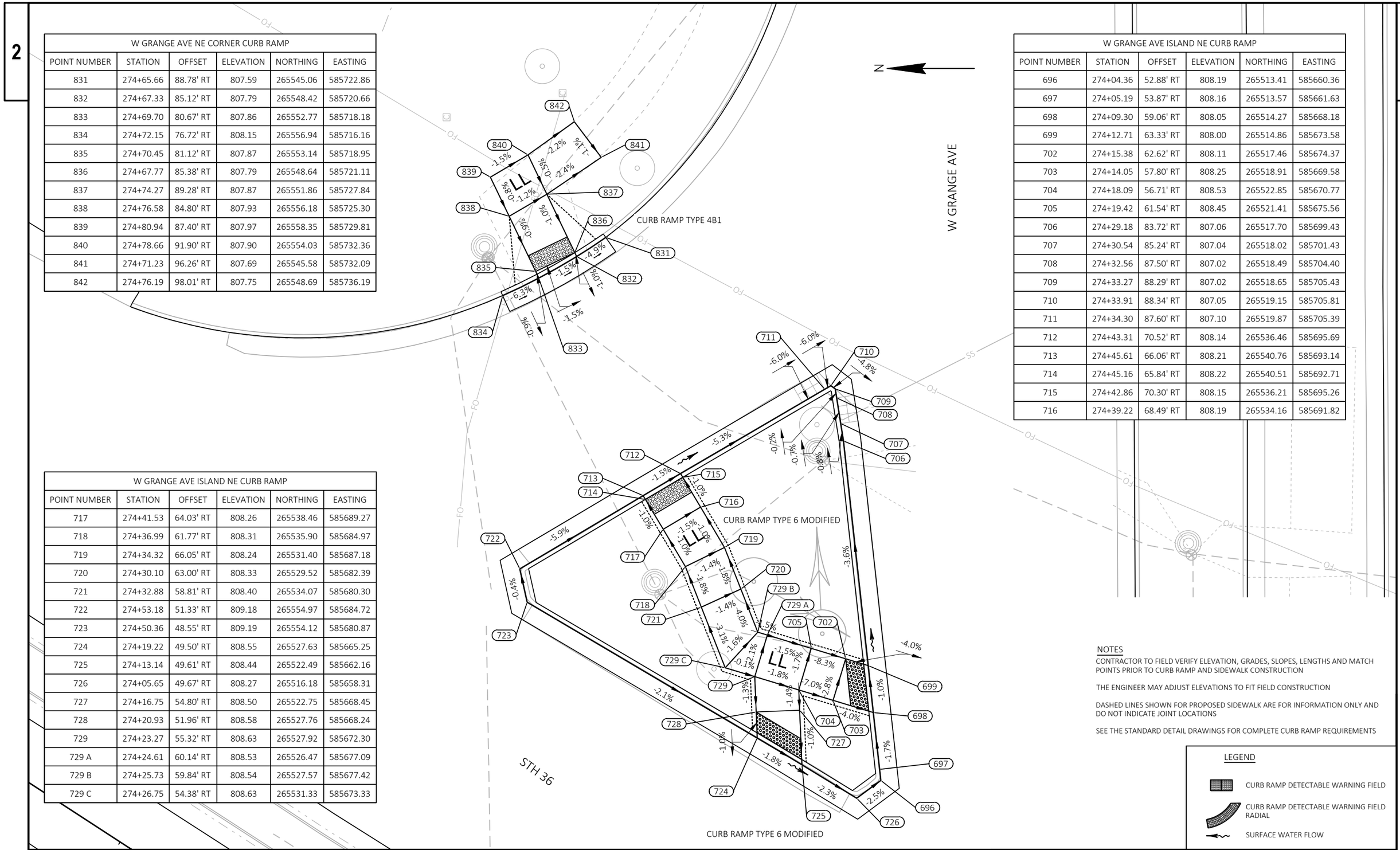
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GRANGE AVE SE	SHEET 87	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - GRANGE AVE SE
PLOT DATE : 10/25/2023 4:56 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

W GRANGE AVE NE CORNER CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
831	274+65.66	88.78' RT	807.59	265545.06	585722.86
832	274+67.33	85.12' RT	807.79	265548.42	585720.66
833	274+69.70	80.67' RT	807.86	265552.77	585718.18
834	274+72.15	76.72' RT	808.15	265556.94	585716.16
835	274+70.45	81.12' RT	807.87	265553.14	585718.95
836	274+67.77	85.38' RT	807.79	265548.64	585721.11
837	274+74.27	89.28' RT	807.87	265551.86	585727.84
838	274+76.58	84.80' RT	807.93	265556.18	585725.30
839	274+80.94	87.40' RT	807.97	265558.35	585729.81
840	274+78.66	91.90' RT	807.90	265554.03	585732.36
841	274+71.23	96.26' RT	807.69	265545.58	585732.09
842	274+76.19	98.01' RT	807.75	265548.69	585736.19

W GRANGE AVE ISLAND NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
696	274+04.36	52.88' RT	808.19	265513.41	585660.36
697	274+05.19	53.87' RT	808.16	265513.57	585661.63
698	274+09.30	59.06' RT	808.05	265514.27	585668.18
699	274+12.71	63.33' RT	808.00	265514.86	585673.58
702	274+15.38	62.62' RT	808.11	265517.46	585674.37
703	274+14.05	57.80' RT	808.25	265518.91	585669.58
704	274+18.09	56.71' RT	808.53	265522.85	585670.77
705	274+19.42	61.54' RT	808.45	265521.41	585675.56
706	274+29.18	83.72' RT	807.06	265517.70	585699.43
707	274+30.54	85.24' RT	807.04	265518.02	585701.43
708	274+32.56	87.50' RT	807.02	265518.49	585704.40
709	274+33.27	88.29' RT	807.02	265518.65	585705.43
710	274+33.91	88.34' RT	807.05	265519.15	585705.81
711	274+34.30	87.60' RT	807.10	265519.87	585705.39
712	274+43.31	70.52' RT	808.14	265536.46	585695.69
713	274+45.61	66.06' RT	808.21	265540.76	585693.14
714	274+45.16	65.84' RT	808.22	265540.51	585692.71
715	274+42.86	70.30' RT	808.15	265536.21	585695.26
716	274+39.22	68.49' RT	808.19	265534.16	585691.82

W GRANGE AVE ISLAND NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
717	274+41.53	64.03' RT	808.26	265538.46	585689.27
718	274+36.99	61.77' RT	808.31	265535.90	585684.97
719	274+34.32	66.05' RT	808.24	265531.40	585687.18
720	274+30.10	63.00' RT	808.33	265529.52	585682.39
721	274+32.88	58.81' RT	808.40	265534.07	585680.30
722	274+53.18	51.33' RT	809.18	265554.97	585684.72
723	274+50.36	48.55' RT	809.19	265554.12	585680.87
724	274+19.22	49.50' RT	808.55	265527.63	585665.25
725	274+13.14	49.61' RT	808.44	265522.49	585662.16
726	274+05.65	49.67' RT	808.27	265516.18	585658.31
727	274+16.75	54.80' RT	808.50	265522.75	585668.45
728	274+20.93	51.96' RT	808.58	265527.76	585668.24
729	274+23.27	55.32' RT	808.63	265527.92	585672.30
729 A	274+24.61	60.14' RT	808.53	265526.47	585677.09
729 B	274+25.73	59.84' RT	808.54	265527.57	585677.42
729 C	274+26.75	54.38' RT	808.63	265531.33	585673.33



NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

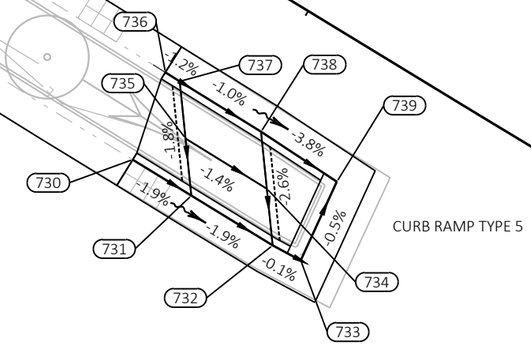
- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GRANGE AVE NE	SHEET 88	E

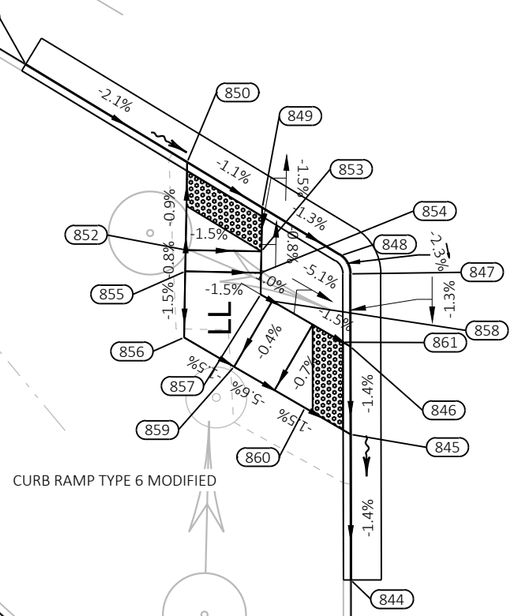
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - GRANGE AVE NE
PLOT DATE : 10/25/2023 4:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

W GRANGE AVE MEDIAN N CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
730	273+79.75	14.40' LT	808.01	265527.88	585590.25
731	273+75.23	14.40' LT	807.92	265524.01	585587.87
732	273+68.97	14.42' LT	807.80	265518.65	585584.59
733	273+66.88	14.30' LT	807.80	265516.80	585583.60
734	273+71.23	11.42' LT	807.90	265519.03	585588.33
735	273+77.52	11.39' LT	807.99	265524.40	585591.64
736	273+80.92	8.36' LT	808.08	265525.73	585596.00
737	273+79.81	8.37' LT	808.06	265524.78	585595.41
738	273+73.51	8.42' LT	808.00	265519.42	585592.08
739	273+67.54	8.63' LT	807.77	265514.42	585588.79

W GRANGE AVE NW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
844	273+34.36	64.11' LT	807.35	265514.34	585523.98
845	273+39.22	55.87' LT	807.48	265514.36	585533.59
846	273+42.16	50.91' LT	807.56	265514.37	585539.38
847	273+44.61	46.79' LT	807.62	265514.38	585544.19
848	273+45.74	46.07' LT	807.65	265514.99	585545.40
849	273+51.76	46.04' LT	807.73	265520.20	585548.55
850	273+57.48	46.03' LT	807.80	265525.14	585551.55
851	273+69.80	46.04' LT	808.06	265535.81	585558.01
852	273+54.61	51.05' LT	807.85	265525.25	585545.76
853	273+50.34	48.55' LT	807.78	265520.25	585545.66
854	273+49.64	49.77' LT	807.79	265520.28	585544.25
855	273+53.91	52.27' LT	807.86	265525.28	585544.34
856	273+51.76	56.05' LT	807.79	265525.36	585539.98
857	273+48.94	51.01' LT	807.77	265520.30	585542.82
858	273+48.06	50.99' LT	807.76	265519.54	585542.38
859	273+47.99	55.99' LT	807.74	265522.05	585538.05
860	273+42.67	55.92' LT	807.53	265517.38	585535.34
861	273+42.74	50.92' LT	807.57	265514.87	585539.67



CURB RAMP TYPE 5



CURB RAMP TYPE 6 MODIFIED

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

STH 36

STH 36 R/L

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GRANGE AVE NW	SHEET 89	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - GRANGE AVE NW

PLOT DATE : 10/25/2023 4:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

CURB RAMP DETECTABLE WARNING FIELD

CURB RAMP DETECTABLE WARNING FIELD RADIAL

SURFACE WATER FLOW

NOTES

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION

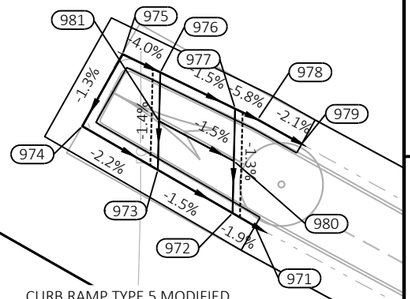
DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

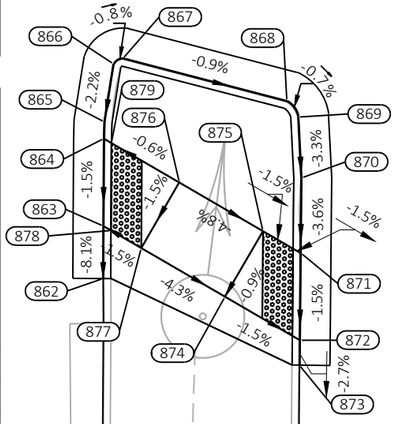
W GRANGE AVE ISLAND SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
880	272+21.91	59.22' LT	804.78	265412.91	585471.16
881	272+23.93	56.16' LT	804.92	265413.21	585474.83
882	272+27.27	51.10' LT	805.01	265413.69	585480.90
883	272+28.99	48.56' LT	805.14	265413.98	585483.97
884	272+26.66	45.63' LT	805.04	265410.49	585485.38
885	272+23.74	45.63' LT	804.95	265407.91	585483.94
886	272+18.17	45.62' LT	804.87	265402.97	585481.20
887	272+16.87	48.11' LT	804.91	265403.04	585478.39
888	272+21.25	50.44' LT	804.98	265408.04	585478.51
889	272+20.85	51.22' LT	805.04	265408.07	585477.63
891	272+23.33	56.17' LT	804.92	265412.68	585474.53
892	272+20.94	56.21' LT	804.94	265410.58	585473.31
893	272+15.30	56.32' LT	804.88	265405.63	585470.43
894	272+15.20	51.32' LT	804.96	265403.12	585474.76
895	272+10.70	51.42' LT	804.78	265399.17	585472.46
896	272+10.80	56.42' LT	804.71	265401.68	585468.14
897	272+05.87	56.53' LT	804.53	265397.36	585465.63
898	272+05.76	51.53' LT	804.61	265394.85	585469.95
899	272+04.82	45.38' LT	804.56	265391.04	585474.87
900	272+02.44	51.60' LT	804.49	265391.93	585468.26

W GRANGE AVE MEDIAN W CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
862	272+70.20	58.62' LT	805.61	265455.29	585495.81
863	272+71.88	55.61' LT	805.90	265455.27	585499.27
864	272+74.68	50.60' LT	805.98	265455.24	585505.03
865	272+75.20	49.63' LT	806.01	265455.21	585506.13
866	272+76.56	46.01' LT	806.10	265454.61	585509.96
867	272+76.22	45.39' LT	806.09	265453.99	585510.32
868	272+65.56	42.44' LT	805.98	265443.17	585507.51
869	272+64.39	42.99' LT	805.97	265442.41	585506.45
870	272+62.24	46.38' LT	805.84	265442.21	585502.43
871	272+59.86	50.69' LT	805.66	265442.25	585497.49
872	272+57.10	55.72' LT	805.57	265442.31	585491.74
873	272+56.31	57.16' LT	805.53	265442.33	585490.09
874	272+62.73	55.67' LT	805.66	265447.25	585494.61
875	272+62.70	50.67' LT	805.70	265444.74	585498.93
876	272+69.01	50.63' LT	806.01	265450.27	585502.15
877	272+69.04	55.63' LT	805.94	265452.78	585497.82
878	272+71.31	55.61' LT	805.90	265454.78	585498.98
879	272+74.11	50.60' LT	805.99	265454.74	585504.74

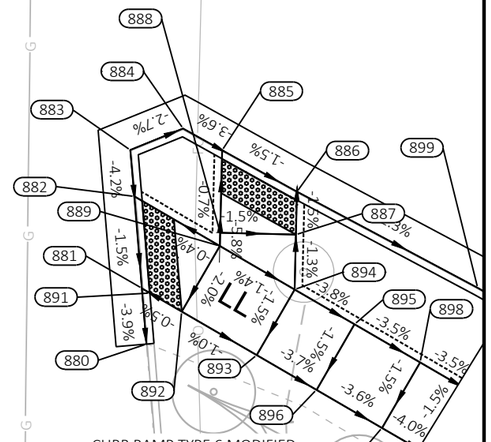
W GRANGE AVE MEDIAN S CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
971	272+45.59	8.72' RT	805.51	265400.45	585542.08
972	272+47.32	8.74' RT	805.54	265401.95	585542.94
973	272+53.03	8.79' RT	805.63	265406.87	585545.79
974	272+58.80	8.83' RT	805.76	265411.86	585548.68
975	272+58.83	14.27' RT	805.83	265409.19	585553.42
976	272+56.07	14.46' RT	805.72	265406.71	585552.22
977	272+50.57	14.82' RT	805.64	265401.77	585549.83
978	272+48.91	14.93' RT	805.54	265400.28	585549.11
979	272+45.58	14.95' RT	805.47	265397.38	585547.49
980	272+48.94	11.77' RT	805.59	265401.86	585546.38
981	272+54.55	11.62' RT	805.67	265406.79	585549.01



CURB RAMP TYPE 5 MODIFIED



CURB RAMP TYPE 6 MODIFIED



CURB RAMP TYPE 6 MODIFIED

W GRANGE AVE

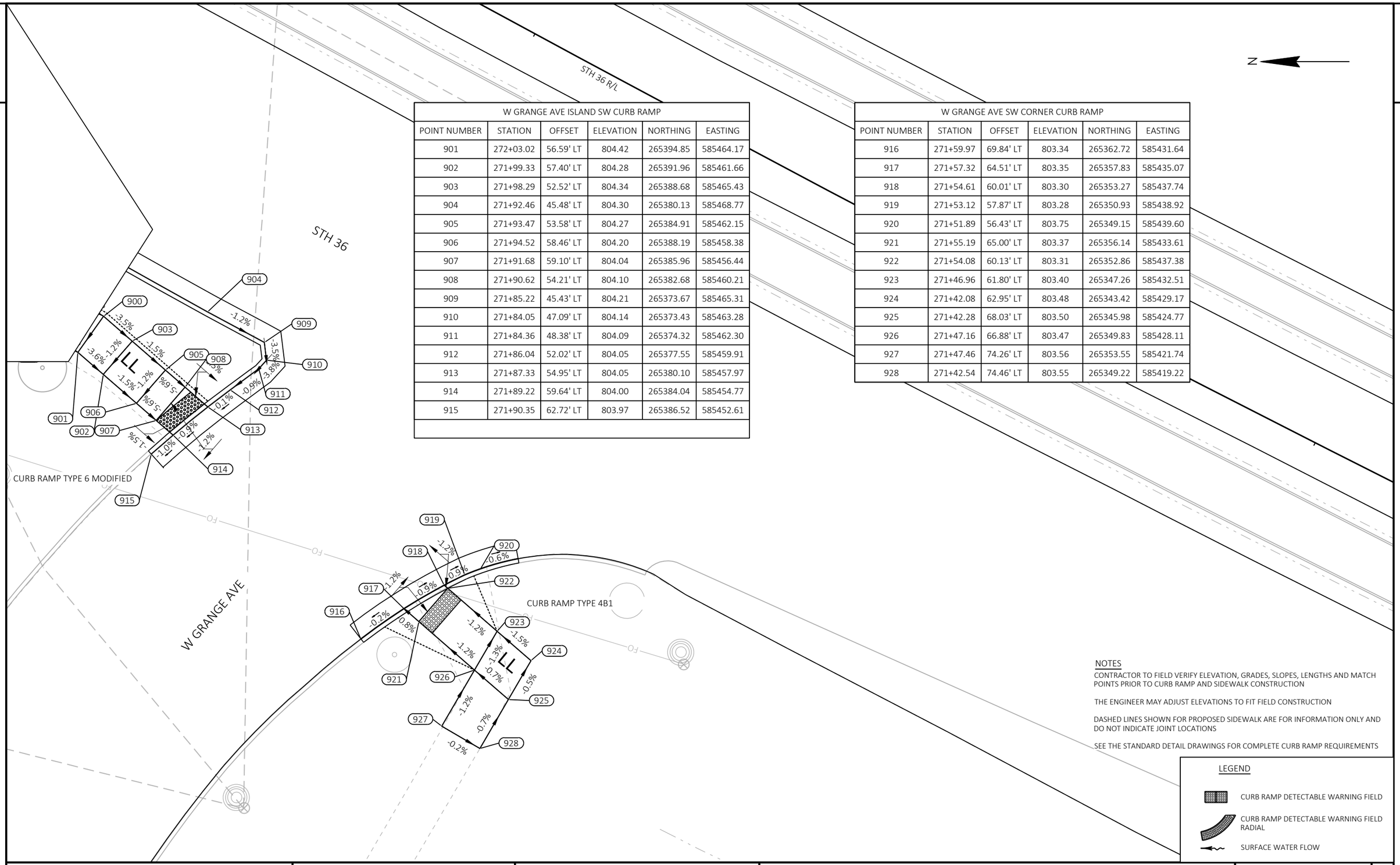
STH 36 R/L

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GRANGE AVE W	SHEET 90	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - GRANGE AVE W

PLOT DATE : 10/25/2023 4:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



W GRANGE AVE ISLAND SW CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
901	272+03.02	56.59' LT	804.42	265394.85	585464.17
902	271+99.33	57.40' LT	804.28	265391.96	585461.66
903	271+98.29	52.52' LT	804.34	265388.68	585465.43
904	271+92.46	45.48' LT	804.30	265380.13	585468.77
905	271+93.47	53.58' LT	804.27	265384.91	585462.15
906	271+94.52	58.46' LT	804.20	265388.19	585458.38
907	271+91.68	59.10' LT	804.04	265385.96	585456.44
908	271+90.62	54.21' LT	804.10	265382.68	585460.21
909	271+85.22	45.43' LT	804.21	265373.67	585465.31
910	271+84.05	47.09' LT	804.14	265373.43	585463.28
911	271+84.36	48.38' LT	804.09	265374.32	585462.30
912	271+86.04	52.02' LT	804.05	265377.55	585459.91
913	271+87.33	54.95' LT	804.05	265380.10	585457.97
914	271+89.22	59.64' LT	804.00	265384.04	585454.77
915	271+90.35	62.72' LT	803.97	265386.52	585452.61

W GRANGE AVE SW CORNER CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
916	271+59.97	69.84' LT	803.34	265362.72	585431.64
917	271+57.32	64.51' LT	803.35	265357.83	585435.07
918	271+54.61	60.01' LT	803.30	265353.27	585437.74
919	271+53.12	57.87' LT	803.28	265350.93	585438.92
920	271+51.89	56.43' LT	803.75	265349.15	585439.60
921	271+55.19	65.00' LT	803.37	265356.14	585433.61
922	271+54.08	60.13' LT	803.31	265352.86	585437.38
923	271+46.96	61.80' LT	803.40	265347.26	585432.51
924	271+42.08	62.95' LT	803.48	265343.42	585429.17
925	271+42.28	68.03' LT	803.50	265345.98	585424.77
926	271+47.16	66.88' LT	803.47	265349.83	585428.11
927	271+47.46	74.26' LT	803.56	265353.55	585421.74
928	271+42.54	74.46' LT	803.55	265349.22	585419.22

NOTES

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LEGEND

- CURB RAMP DETECTABLE WARNING FIELD
- CURB RAMP DETECTABLE WARNING FIELD RADIAL
- SURFACE WATER FLOW

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GRANGE AVE SW	SHEET 91	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\021302-CR.DWG
LAYOUT NAME - GRANGE AVE SW

PLOT DATE : 10/25/2023 4:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

STH 36

STH 100

MATCH LINE 34+50

MATCH LINE 48+25

STH 36 Sidewalk+64.37 13.42'RT

STH 36 Sidewalk+99.98 14.38'RT

STH 36 Sidewalk+52.85 12.53'RT

STH 36 Sidewalk+22.88 13.61'RT

STH 36 Sidewalk+75.88 14.10'RT

STH 36 Sidewalk+99.23 11.44'RT

STH 36 Sidewalk+74.97 14.36'RT

STH 36 Sidewalk+24.90 17.83'RT

STH 36 Sidewalk+99.98 18.15'RT

STH 36 Sidewalk+59.94 19.19'RT

STH 36 Sidewalk+74.87 16.63'RT

STH 36 Sidewalk+49.63 17.67'RT

STH 36 Sidewalk+75.05 16.93'RT

STH 36 Sidewalk+99.91 19.11'RT

STH 36 Sidewalk+25.10 18.83'RT

STH 36 Sidewalk+74.92 12.94'RT

STH 36 Sidewalk+07.60 30.88'RT

STH 36 Sidewalk+51.21 24.09'RT

STH 36 Sidewalk+06.79 14.10'RT

STH 36 Sidewalk+50.12 14.20'RT

BRENWOOD PARK DR

W FOREST HILL AVE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 92	E

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

STH 36

MATCH LINE 48+25

MATCH LINE 62+00

MATCH LINE 62+00

MATCH LINE 75+75

S LEGEND DR

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 93	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02

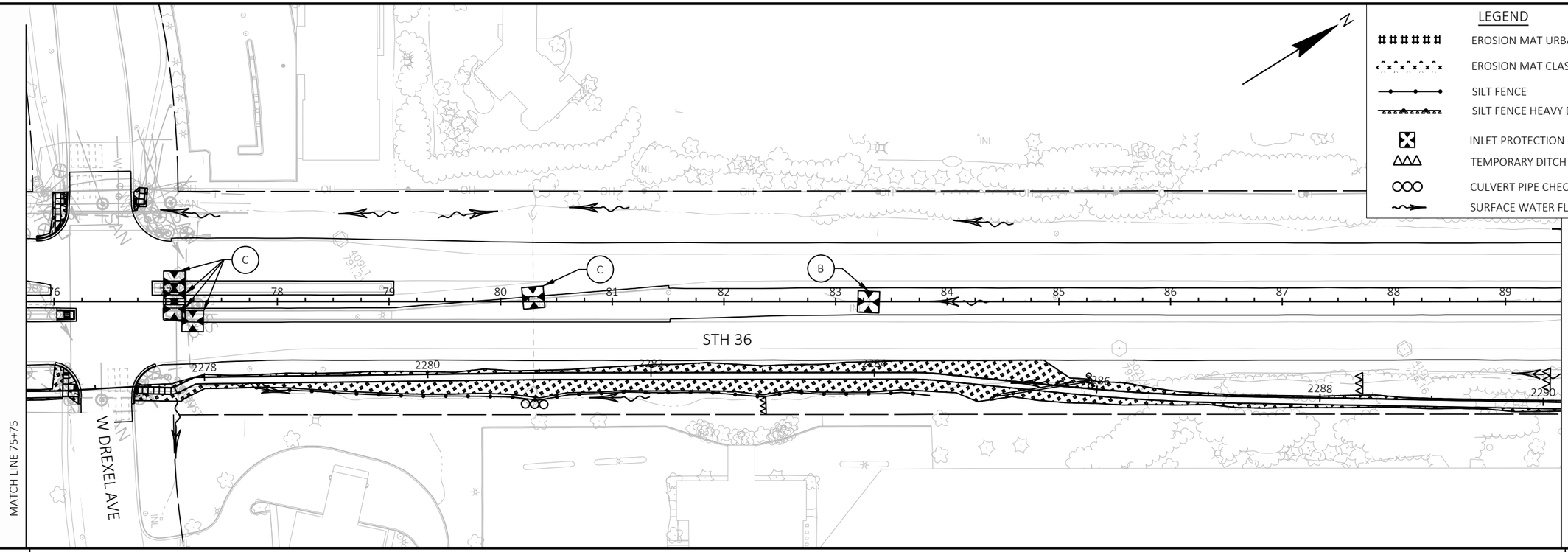
PLOT DATE : 1/5/2024 12:42 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

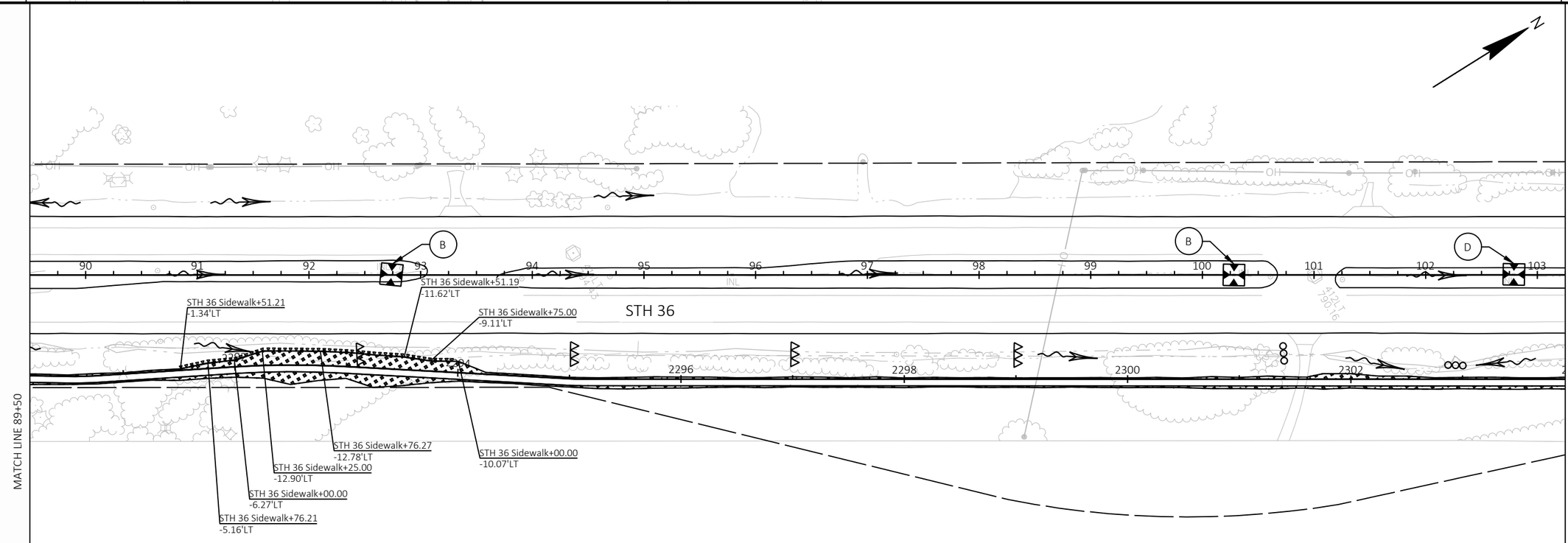
WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 94	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 1/5/2024 12:43 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

W WARWICK WAY

OLD LOOMIS RD

STH 36

STH 36 Sidewalk+49.74
-8.92'LT

STH 36 Sidewalk+49.95
-4.55'LT

STH 36 Sidewalk+00.08
-2.01'LT

STH 36 Sidewalk+76.11
-2.99'LT

SEEDING MIXTURE NO. 75
STA 2306+75-2309+50

STH 36 Sidewalk+75.10
-2.84'LT

STH 36 Sidewalk+25.15
-2.41'LT

STH 36 Sidewalk+99.95
-2.50'LT

STH 36 Sidewalk+75.00
-3.93'LT

STH 36 Sidewalk+58.98
-2.99'LT

MATCH LINE 103+25

MATCHLINE 116+50

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 95	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 04

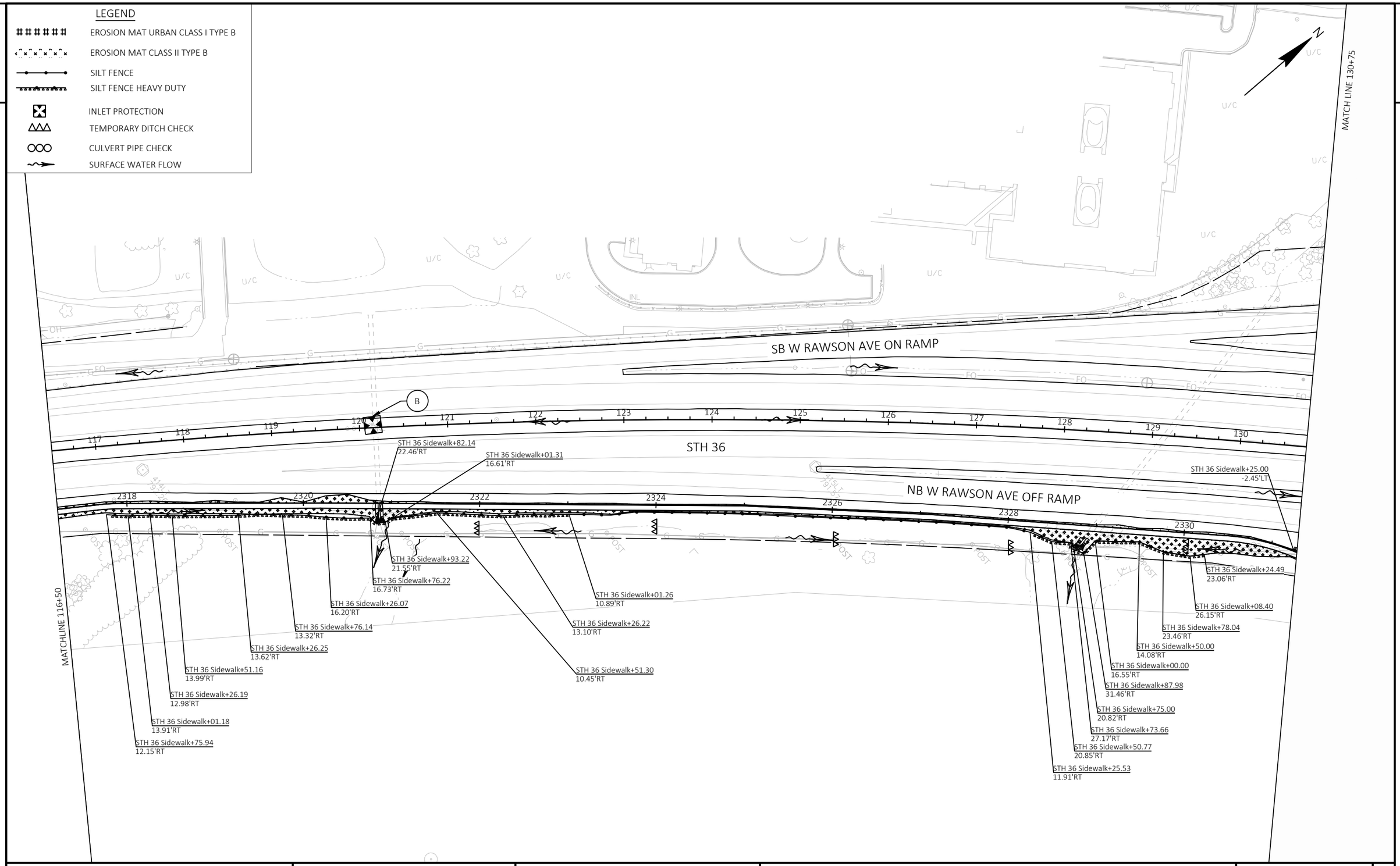
PLOT DATE : 1/5/2024 12:43 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 96	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 1/5/2024 12:43 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EROSION MAT URBAN CLASS I TYPE B

EROSION MAT CLASS II TYPE B

SILT FENCE

SILT FENCE HEAVY DUTY

INLET PROTECTION

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SURFACE WATER FLOW

N

MATCH LINE 144+50

SB W RAWSON AVE ON RAMP

W RAWSON AVE

SB W RAWSON AVE OFF RAMP

SB S 76TH ST ON RAMP

131 132 133 134 135 136 137 138 139 140 141 142 143 144

STH 36

NB S 76TH ST OFF RAMP

NB W RAWSON AVE OFF RAMP

W RAWSON AVE

2332 2334 2336 2338 2340 2342 2344

STH 36 Sidewalk+00.02
-2.47'LT

STH 36 Sidewalk+62.96
-17.69'LT

SEEDING MIXTURE NO. 75
STA 2337+00-2338+50

SEEDING MIXTURE NO. 75
STA 2337+00-2339+75

STH 36 Sidewalk+00.03
-2.01'LT

STH 36 Sidewalk+74.16
-3.72'LT

STH 36 Sidewalk+74.99
-3.64'LT

STH 36 Sidewalk+25.01
-4.13'LT

STH 36 Sidewalk+50.01
-3.74'LT

STH 36 Sidewalk+50.04
-4.08'LT

STH 36 Sidewalk+75.04
-2.06'LT

STH 36 Sidewalk+49.96
-2.83'LT

STH 36 Sidewalk+75.01
-4.40'LT

STH 36 Sidewalk+24.96
-3.43'LT

MATCH LINE 130+75

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 97	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 06

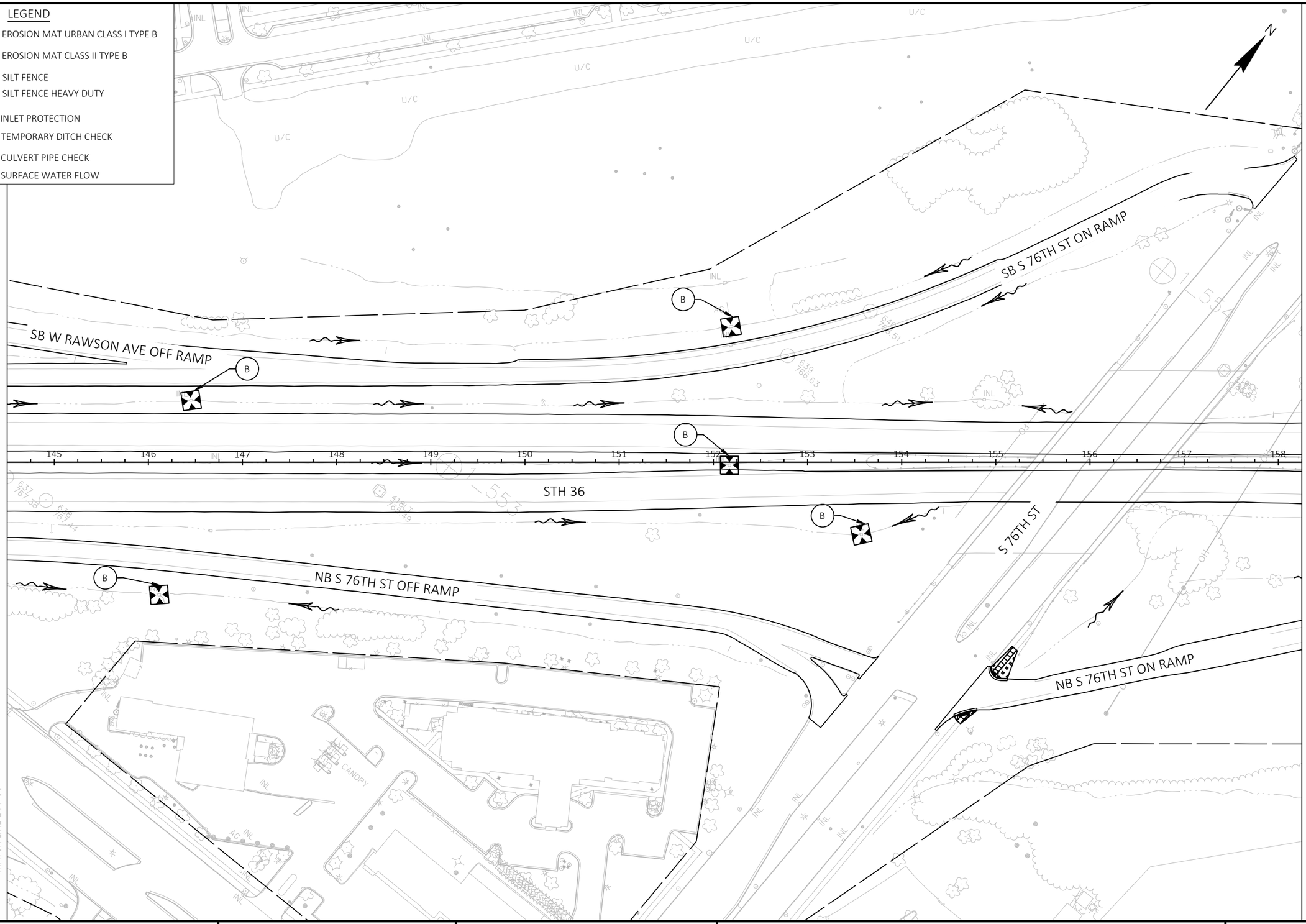
PLOT DATE : 1/5/2024 12:43 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



2

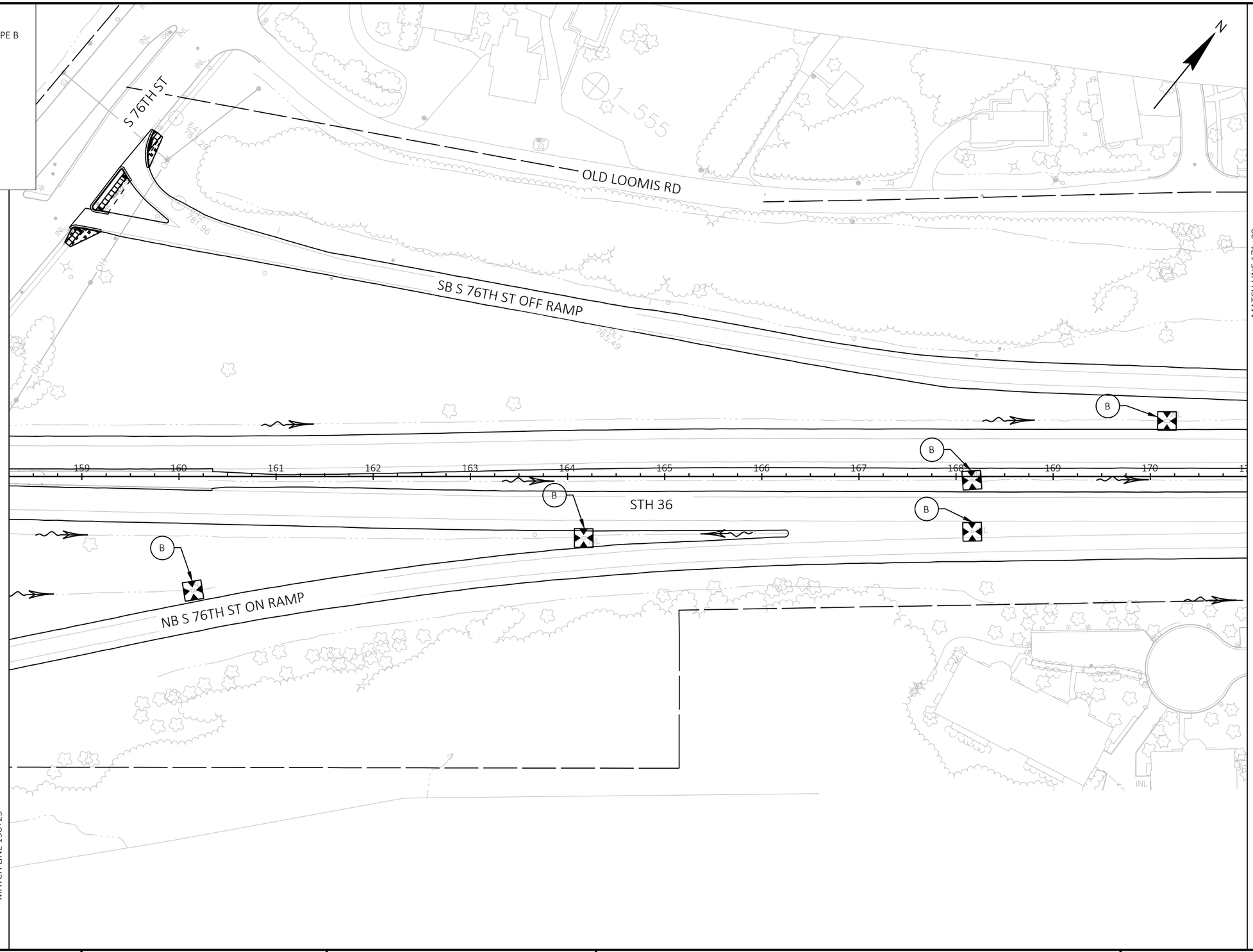
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 98	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 07
PLOT DATE : 1/5/2024 12:44 PM
PLOT BY : JARED BROWN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 99	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 08

PLOT DATE : 1/5/2024 12:44 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

SB S 76TH ST OFF RAMP

NB S 76TH ST ON RAMP

STH 36

MATCH LINE 171+00

MATCH LINE 185+00

MATCH LINE 185+00

MATCH LINE 198+75

ROOT RIVER PKWY

ROOT RIVER

S 68TH ST

SOLAR PANEL

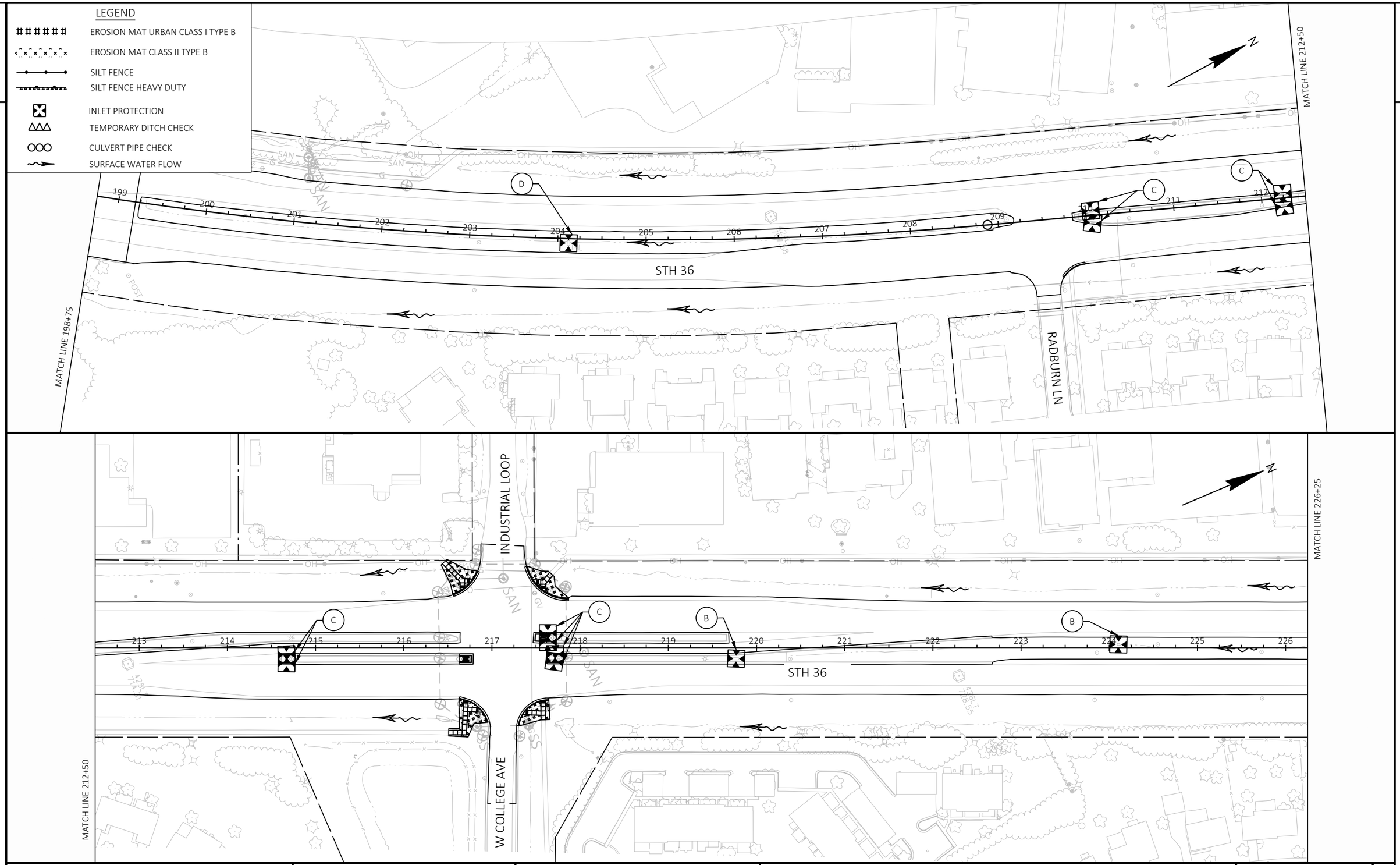
2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 100	E

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 101	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 10

PLOT DATE : 1/5/2024 12:45 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

SOUTHWAY

CANOPY

STH 36

W RAMSEY AVE

MATCH LINE 226+25

MATCH LINE 240+00

MATCH LINE 240+00

STH 36

MATCH LINE 254+00

PED OVERHEAD

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 102	E

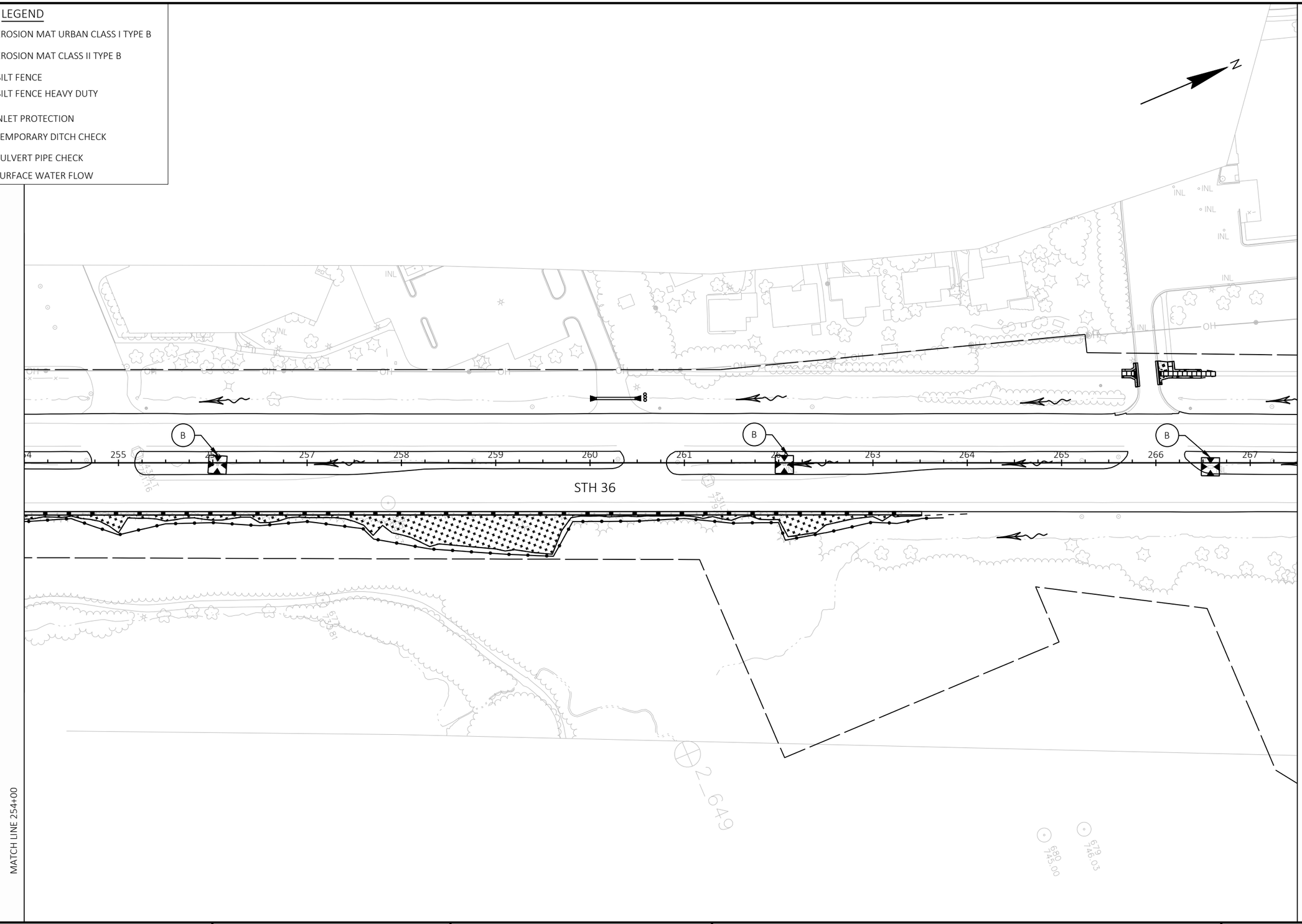
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 11

PLOT DATE : 1/5/2024 12:45 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 103	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 12

PLOT DATE : 1/5/2024 12:45 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

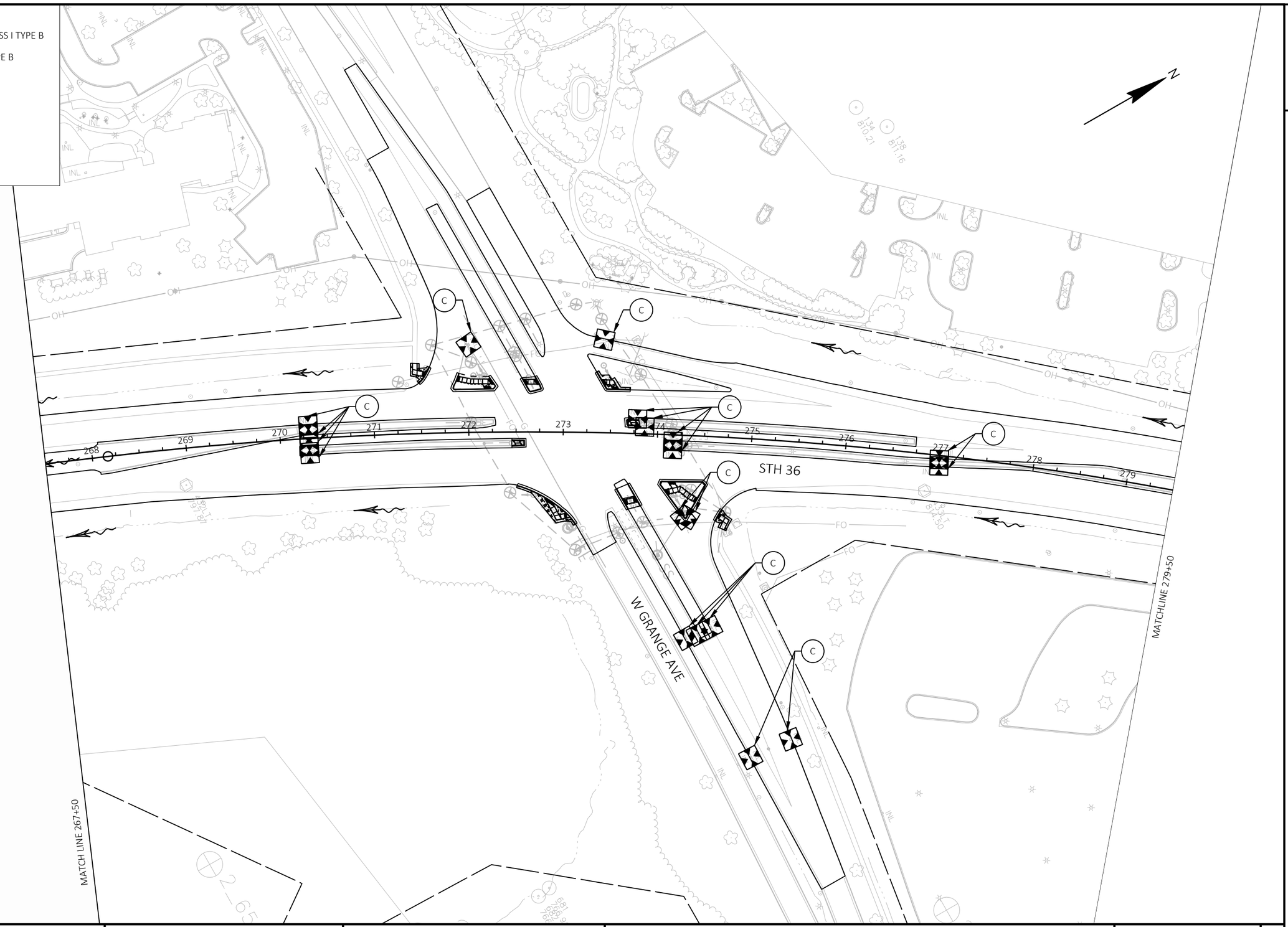
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 104	E

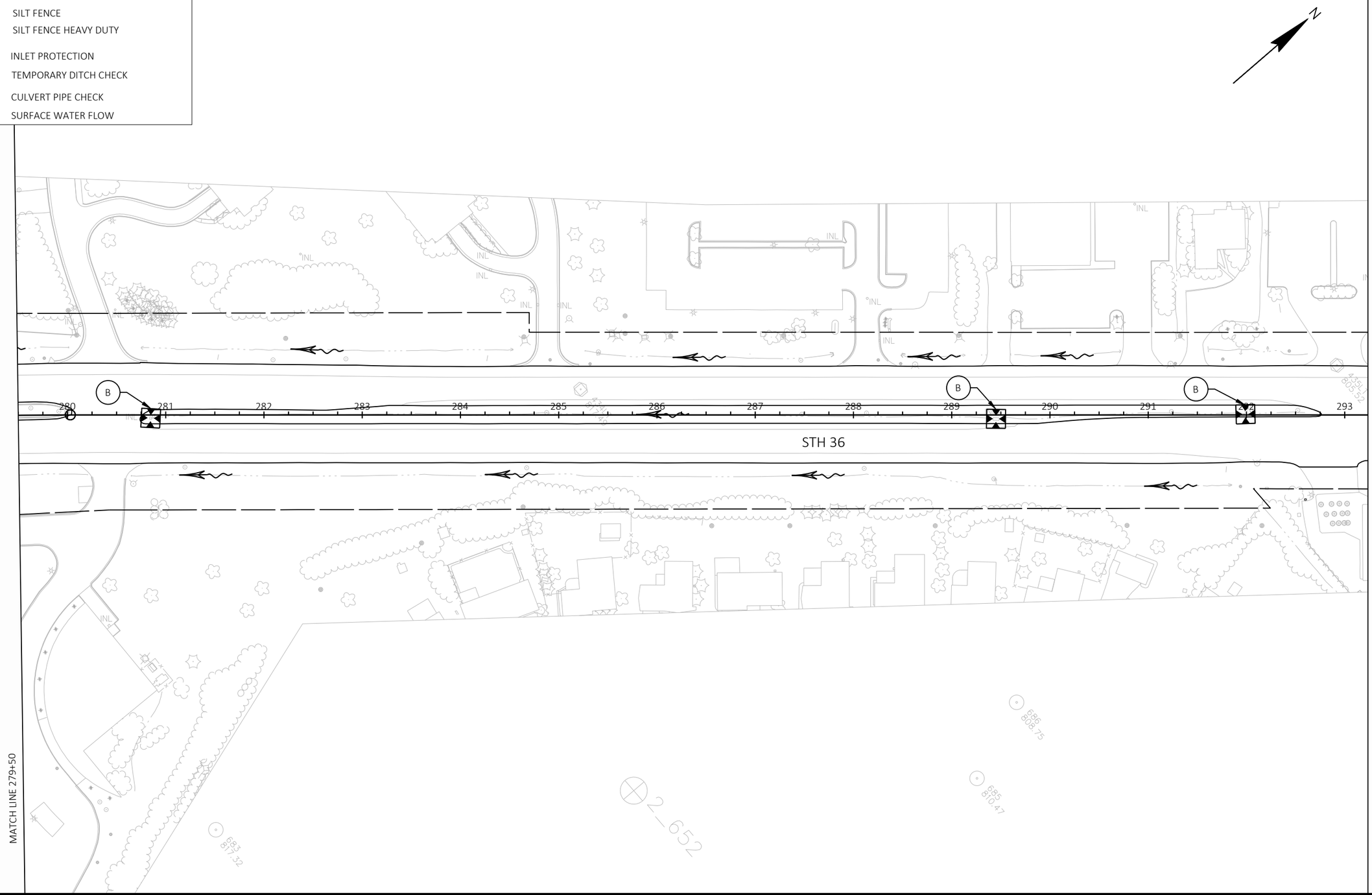
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 13

PLOT DATE : 1/5/2024 12:46 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS II TYPE B
- SILT FENCE
- SILT FENCE HEAVY DUTY
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 105	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 14

PLOT DATE : 1/5/2024 12:46 PM PLOT BY : JARED BROWN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

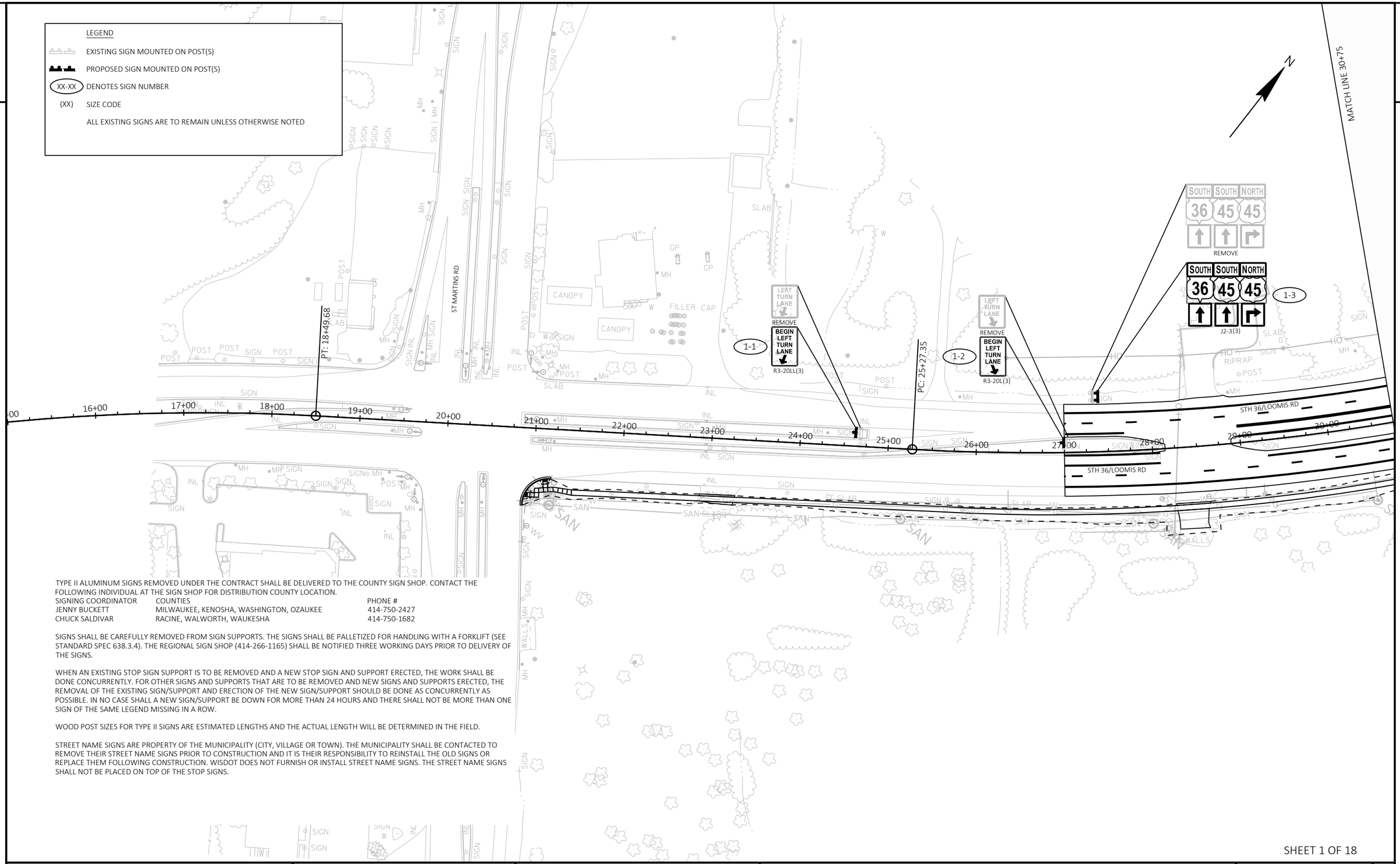
EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED



TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR	COUNTIES	PHONE #
JENNY BUCKETT	MILWAUKEE, KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
CHUCK SALDIVAR	RACINE, WALWORTH, WAUKESHA	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POST SIZES FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 106	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 01
PLOT DATE : 7/28/2023 10:57 AM
PLOT BY : BUGARIN, JOSE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

MATCH LINE 30+75

STH 36/LOOMIS RD

BRENWOOD PARK DR

W FOREST HILL AVE

PT: 41+33.83

REMOVE

STOP

R1-1(3)

2-1

2-2

SHEET 2 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 107	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/28/2023 10:58 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

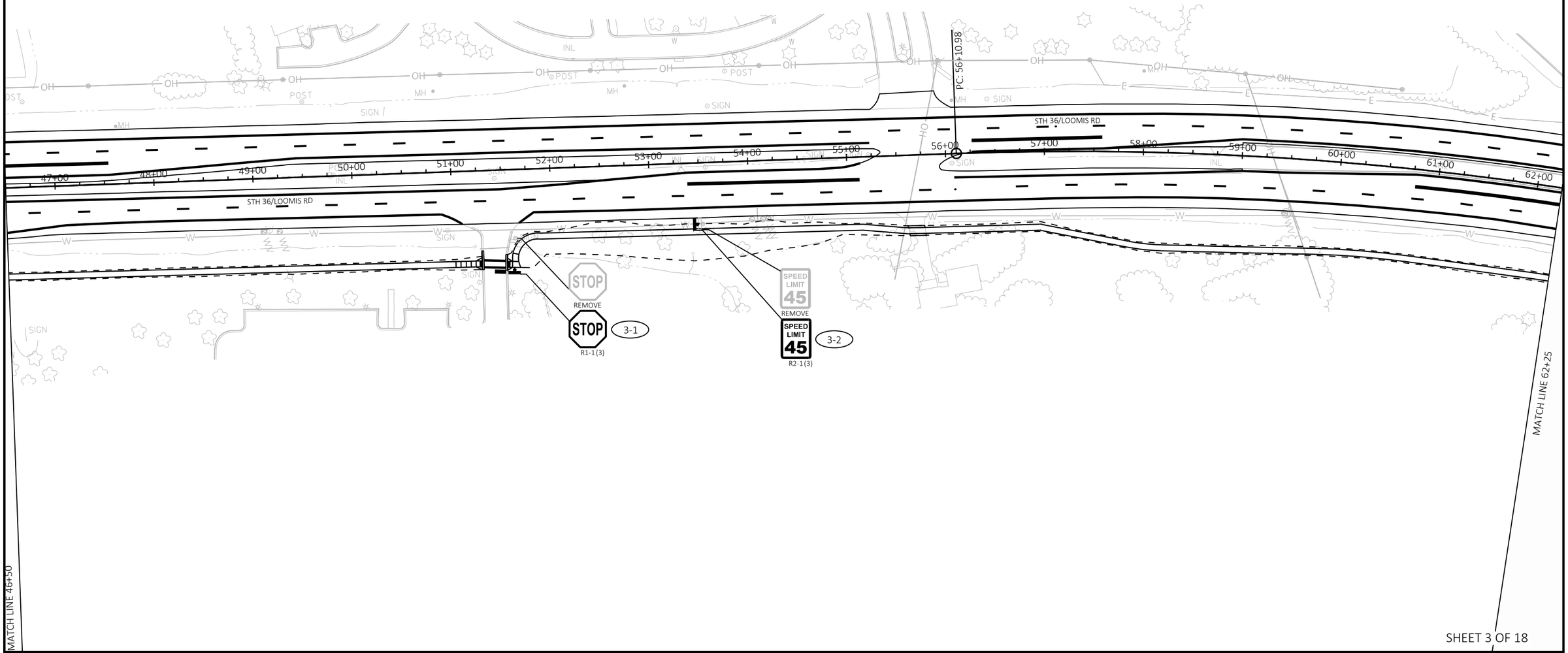
PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N



SHEET 3 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 108	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/28/2023 11:03 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

PT: 64+53.19

STH 36/LOOMIS RD

63+00 64+00 65+00 66+00 67+00 68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00 78

W DREXEL AVE

LEGEND DR

STOP MOVE 4-1

STOP REMOVE

STOP 4-2

R1-1(3)

LEFT TURN LANE REMOVE

4-3

BEGIN LEFT TURN LANE

R3-20L(3)

MATCH LINE 62+25

SHEET 4 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 109	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/28/2023 11:08 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20LL(3)
5-1

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(3)
5-2

REMOVE
W3-3(3)
5-3

STH 36/LOOMIS RD

STH 36/LOOMIS RD

SHEET 5 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 110	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/28/2023 10:58 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

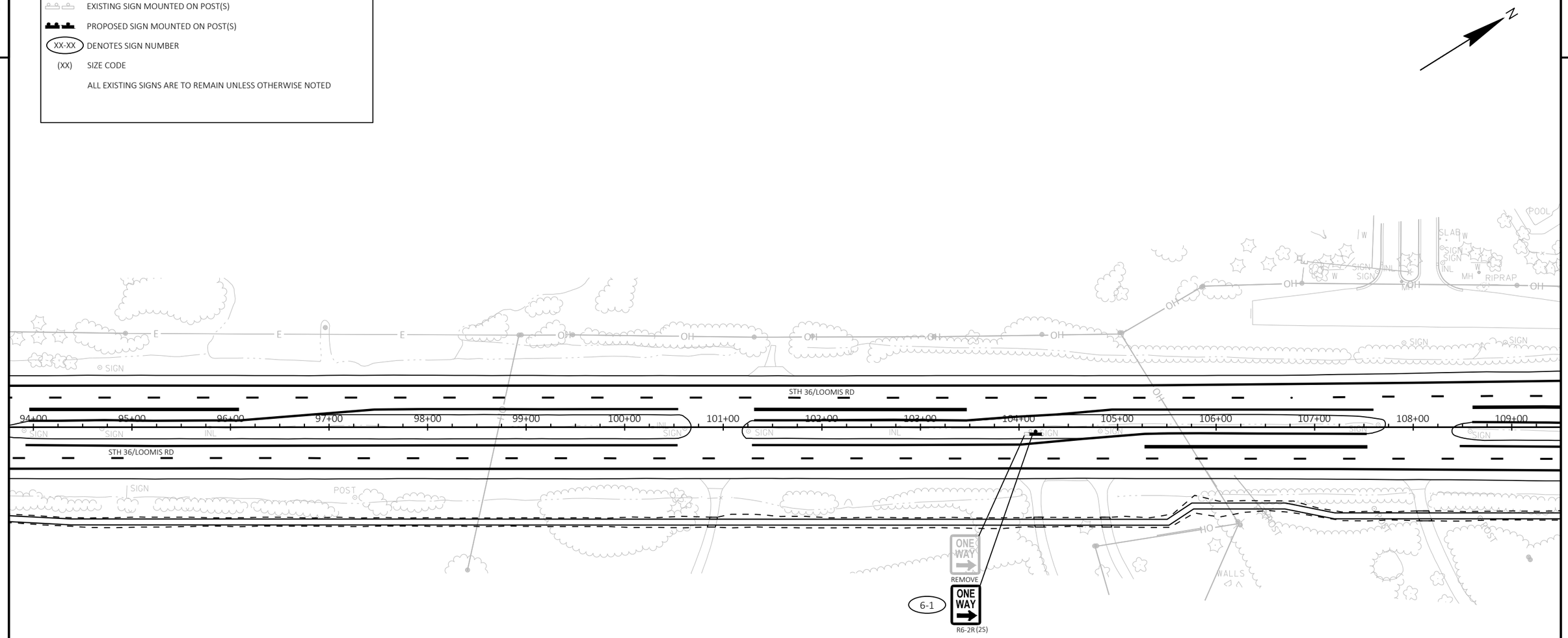
EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED



SHEET 6 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 111	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/28/2023 10:58 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

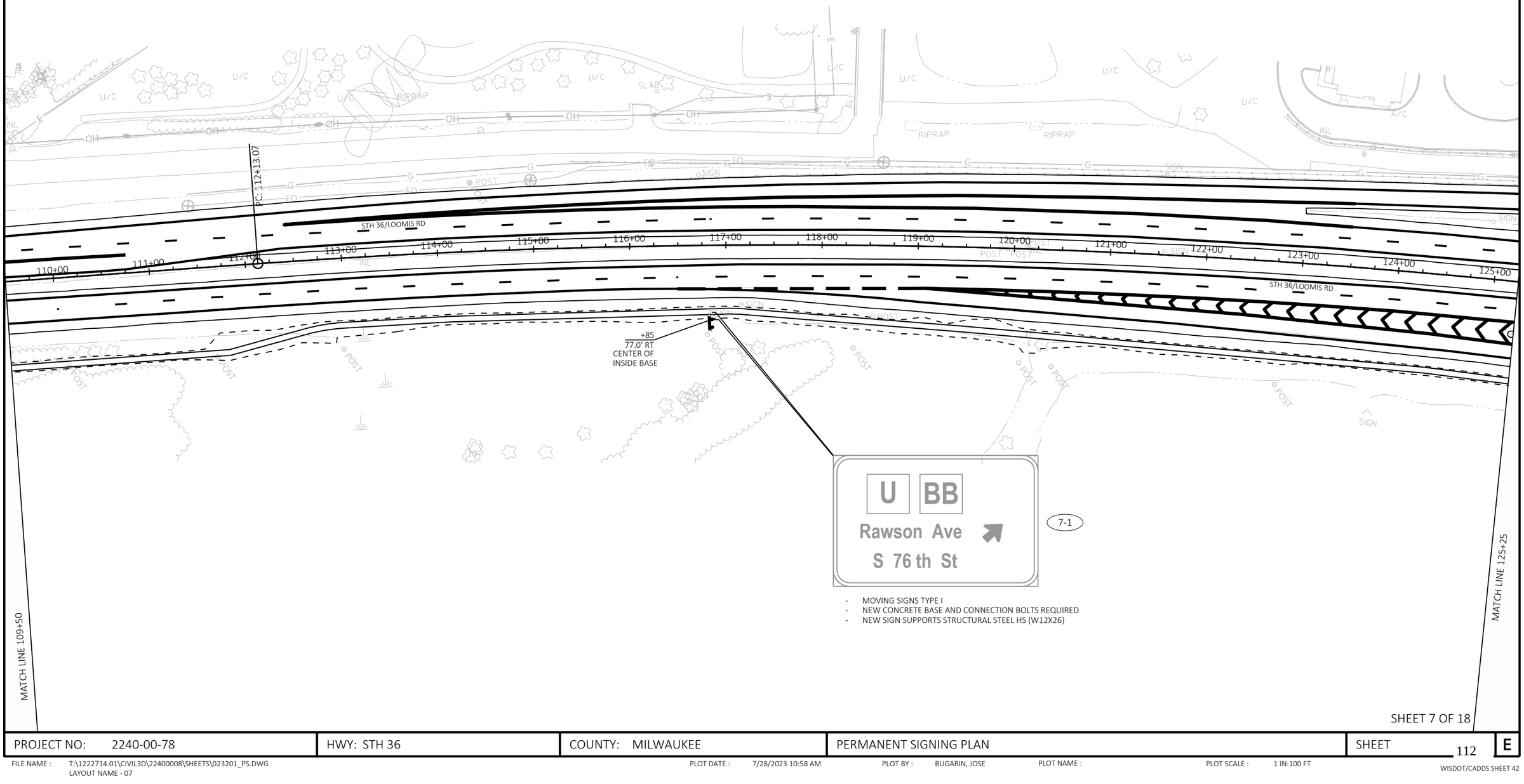
PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N



- MOVING SIGNS TYPE I
- NEW CONCRETE BASE AND CONNECTION BOLTS REQUIRED
- NEW SIGN SUPPORTS STRUCTURAL STEEL HS (W12X26)

SHEET 7 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 112	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/28/2023 10:58 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

STH 36/LOOMIS RD

126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141

PI: 137+62.06

RAWSON AVE

RIPRAP

S 76th St
W Rawson Ave
D1-2

8-1

S 76th St
W Rawson Ave
REMOVE

MATCH LINE 125+25

MATCH LINE 141+00

SHEET 8 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 113	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/28/2023 10:59 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

STH 36/LOOMIS RD

142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00

RAWSON AVE

S 76TH ST

REMOVE

STOP

R1-1(3)

9-2

WEST EAST TO

COUNTY BB COUNTY BB COUNTY U

REMOVE

J2-3(2S)

9-1

SHEET 9 OF 18

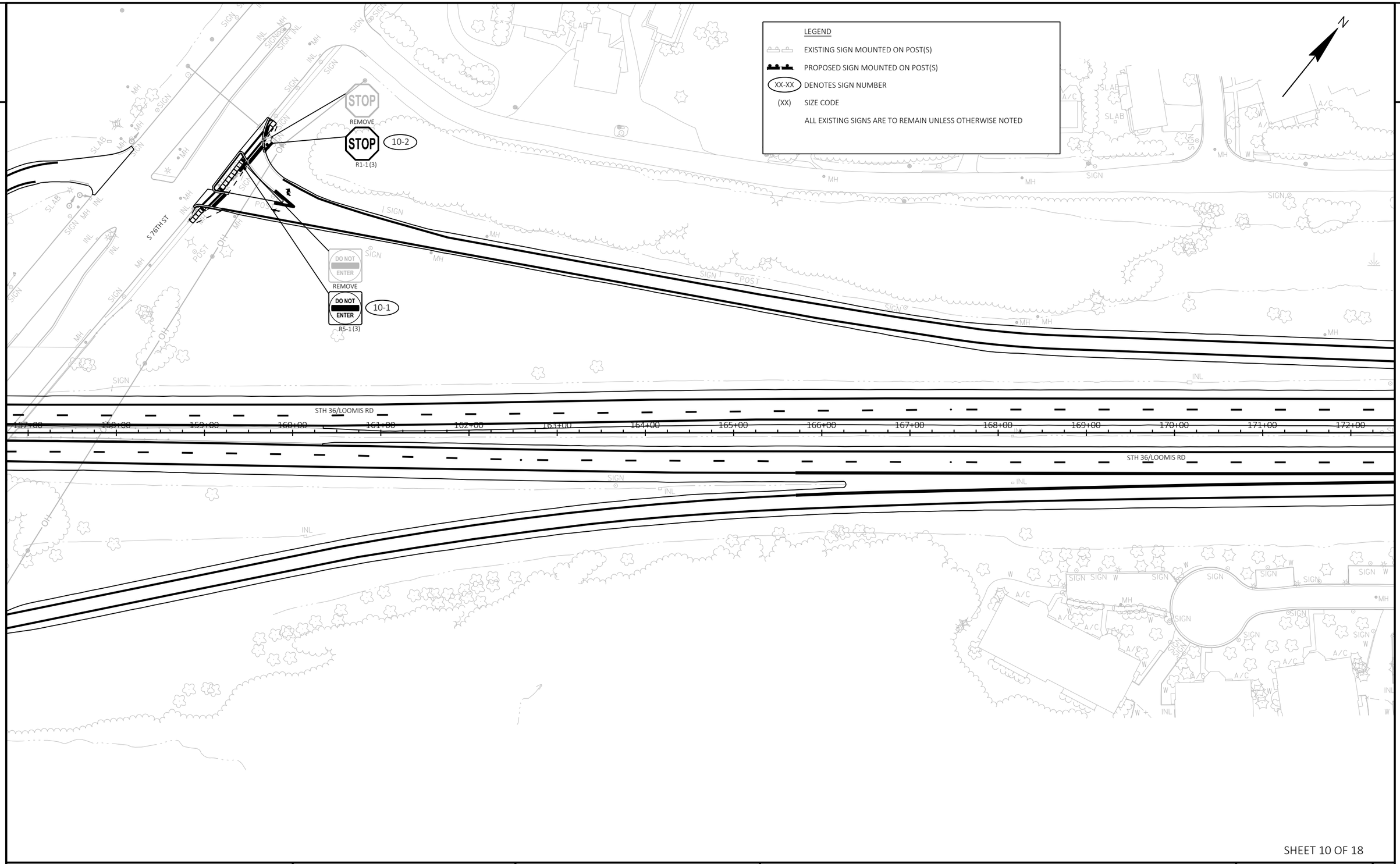
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 114	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/28/2023 11:07 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



SHEET 10 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 115	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/28/2023 10:59 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

NO PROPOSED SIGNS ON THIS SHEET

STH 36/LOOMIS RD

173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00 185+00 186+00 187+00 188+00

STH 36/LOOMIS RD

SHEET 11 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 116	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 11

PLOT DATE : 7/28/2023 10:59 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 188+25

MATCH LINE 204+00

2

12-1

W11-2(3)

W16-7L(3)

12-2

HORIZON DR

P.C. 188+70.32

REMOVE

REMOVE

12-3

W11-2(3)

12-4

W16-7L(3)

ROOT RIVER PKWY

SPEED LIMIT 45

REMOVE

12-13

SPEED LIMIT 45

R2-1(3)

STH 36/LOOMIS RD

190+00

191+00

192+00

193+00

194+00

195+00

196+00

197+00

198+00

199+00

200+00

201+00

202+00

203+00

204

DO NOT ENTER

REMOVE

DO NOT ENTER

R5-1

12-11

12-7

W11-2(3)

W16-7R(3)

12-8

12-9

W11-2(3)

W16-7R(3)

12-10

REMOVE

12-12

R4-7

RECREATIONAL TRAIL XING

REMOVE

REMOVE

12-5

W11-2(3)

12-6

W16-7L(3)

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

SHEET 12 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 117	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/28/2023 10:59 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

MATCH LINE 204+00

PT: 208+37.77

STH 36/LOOMIS RD

INDUSTRIAL LO_OOP

RADBURN LN

COLLEGE AVE

REMOVE

R4-7(3)

13-1

BEGIN LEFT TURN LANE

R3-20L(3)

13-2

REMOVE

LEFT TURN LANE

REMOVE

13-3

BEGIN LEFT TURN LANE

R3-20LL(3)

LEFT TURN LANE

REMOVE

13-4

BEGIN LEFT TURN LANE

R3-20LL(3)

RIPRAP

SHEET 13 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 118	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/28/2023 11:00 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

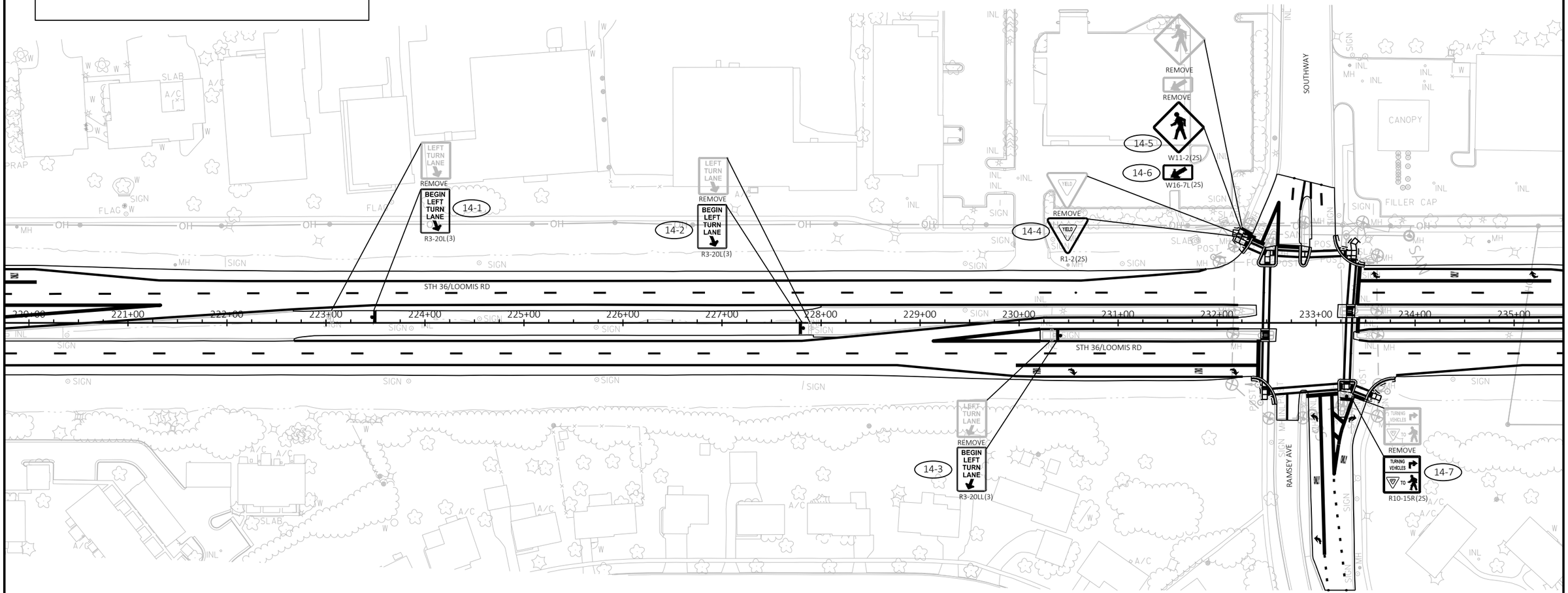
EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED



SHEET 14 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 119	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/28/2023 11:00 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20LL(3)
15-1

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(3)
15-2

STOP
REMOVE
STOP
R1-1(3)
15-3

SPEED LIMIT 15
MOVE
15-4

PRIVATE PROPERTY
NO SOLICITING LOITERING TRESPASSING
VIOLATORS WILL BE PROSECUTED
MOVE
15-5

STH 36/LOOMIS RD

236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00

STH 36/LOOMIS RD

NO PARKING ANY TIME
REMOVE
NO PARKING ANY TIME
R7-1D(3)
15-6

SPEED LIMIT 45
REMOVE
SPEED LIMIT 45
R2-1(3)
15-7

REMOVE
R3-1(3)
15-8

DO NOT ENTER
REMOVE
DO NOT ENTER
R5-1(3)
15-9

NO PARKING ANY TIME
REMOVE
NO PARKING ANY TIME
R7-1D(3)
15-10

SHEET 15 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 120	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/28/2023 11:00 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

STH 36/LOOMIS RD

252+00 253+00 254+00 255+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00 266+00

STH 36/LOOMIS RD

REMOVE
16-1
NO PARKING ANY TIME
R7-1D(3)

REMOVE
16-2
W11-8(3)

REMOVE
16-3
NO PARKING ANY TIME
R7-1D(3)

REMOVE
16-4
NO PARKING ANY TIME
R7-1D(3)

SHEET 16 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 121	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/28/2023 11:00 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED

N

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(2S)
17-3

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20LL(2S)
17-4

YIELD
REMOVE
YIELD
R1-2(2S)
17-2

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20LL(2S)
17-5

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(3)
17-6

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(3)
17-1

BEGIN LEFT TURN LANE
R3-20LL
17-7

LEFT TURN LANE
REMOVE
BEGIN LEFT TURN LANE
R3-20L(2S)
17-8

GRANGE AVE

STH 36/LOOMIS RD

PC: 268+16.56

PT: 280+02.91

MATCH LINE 267+00

SHEET 17 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 122	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 17

PLOT DATE : 7/28/2023 11:03 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

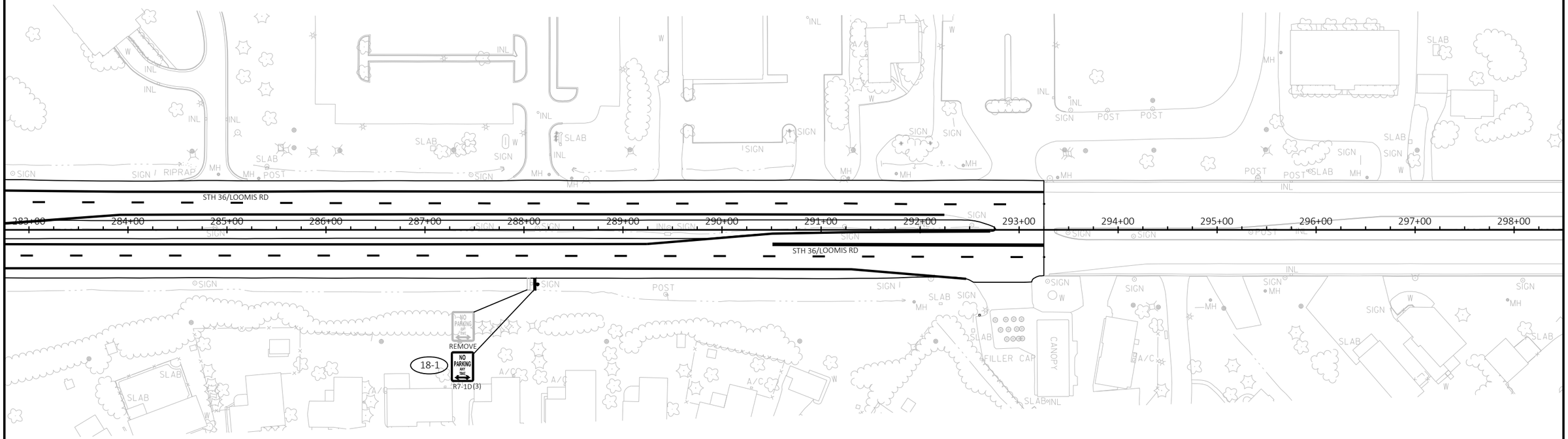
EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

XX-XX DENOTES SIGN NUMBER

(XX) SIZE CODE

ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED



SHEET 18 OF 18

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 123	E

FILE NAME : T:\1222714.01\CIVIL3D\22400008\SHEETS\023201_PS.DWG
LAYOUT NAME - 18

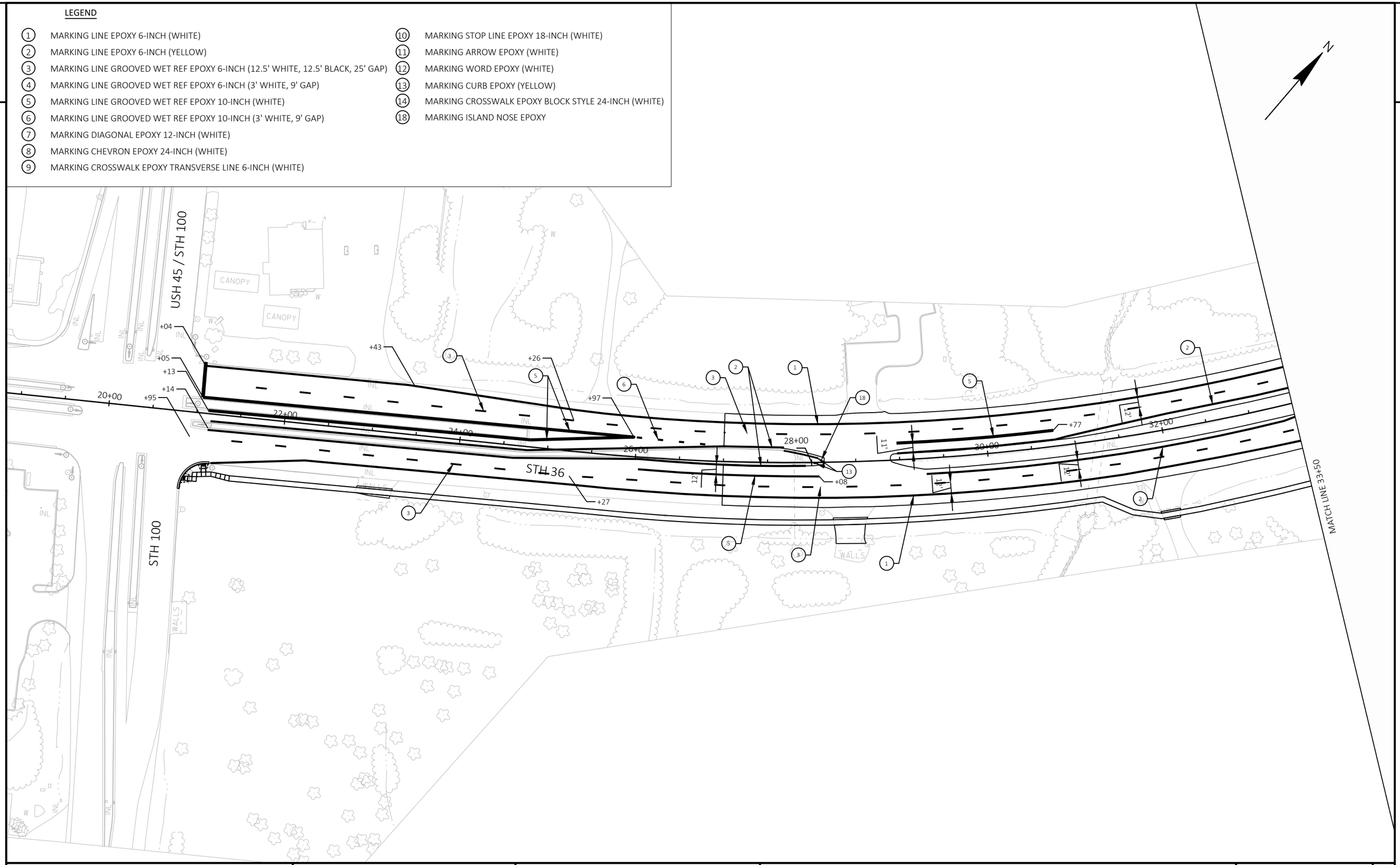
PLOT DATE : 7/28/2023 11:01 AM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 124	E

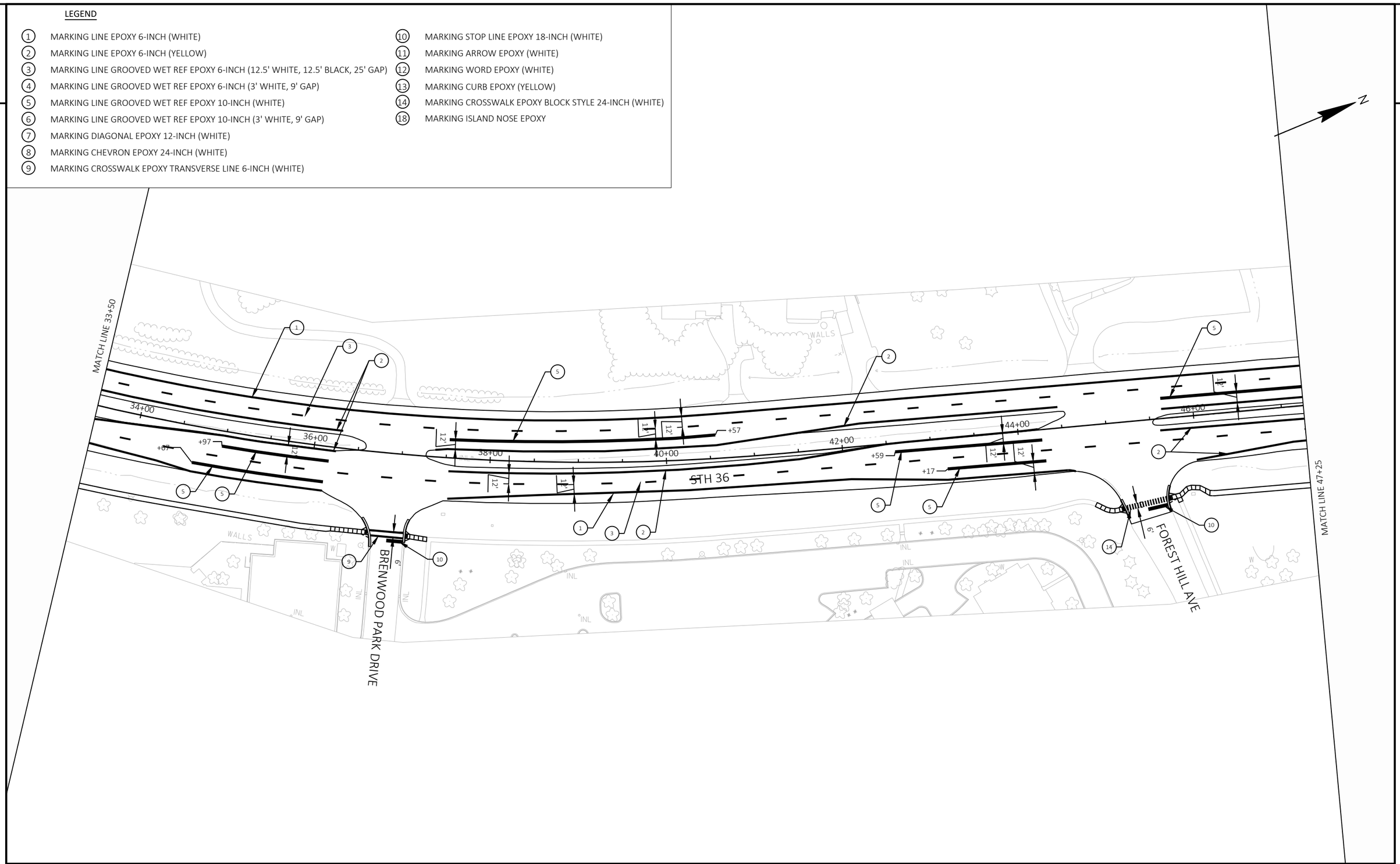
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501

PLOT DATE : 10/25/2023 5:26 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 125	E

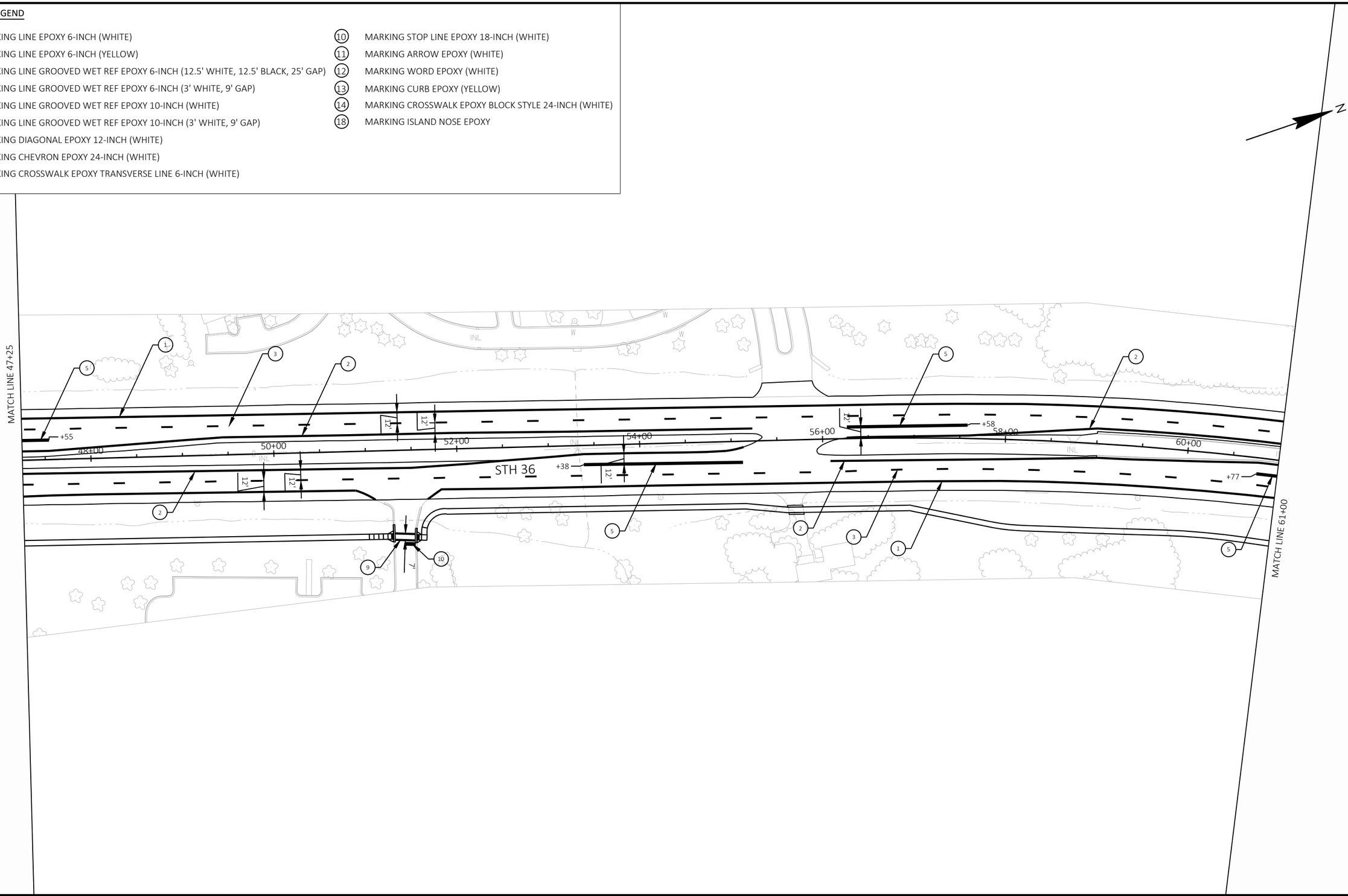
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024502

PLOT DATE : 10/25/2023 5:27 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



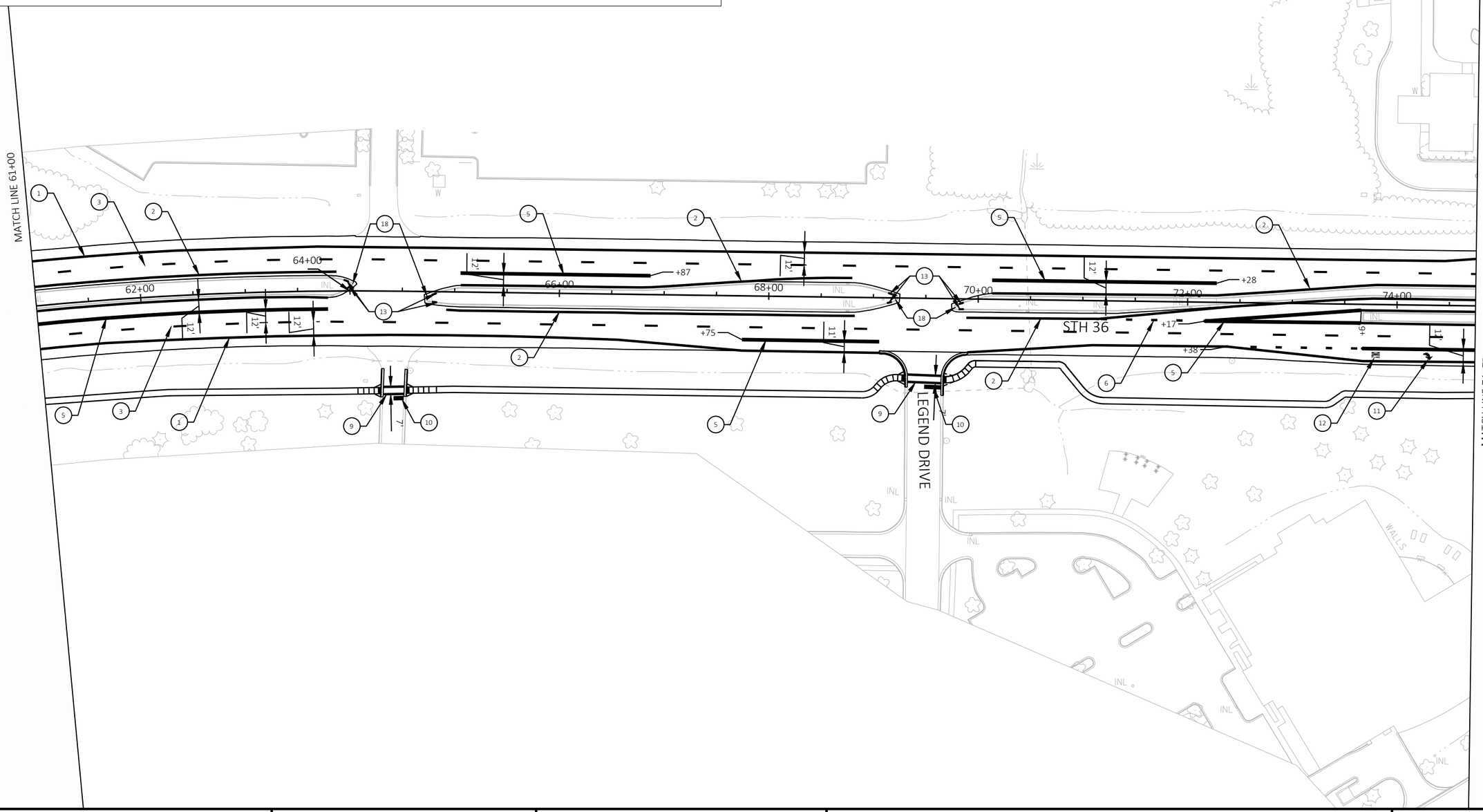
2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 126	E

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 127	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024504

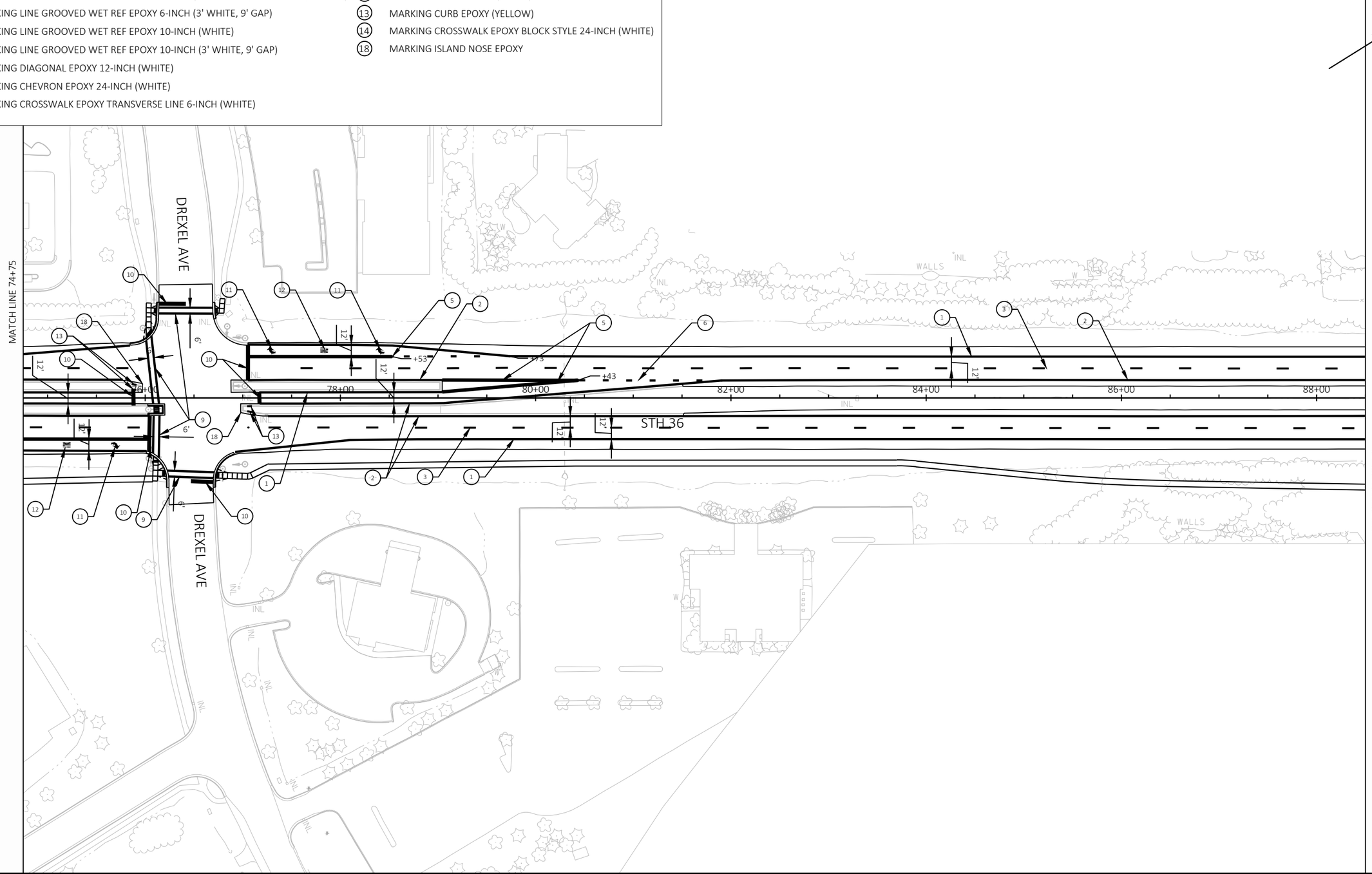
PLOT DATE : 10/25/2023 5:27 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 128	E

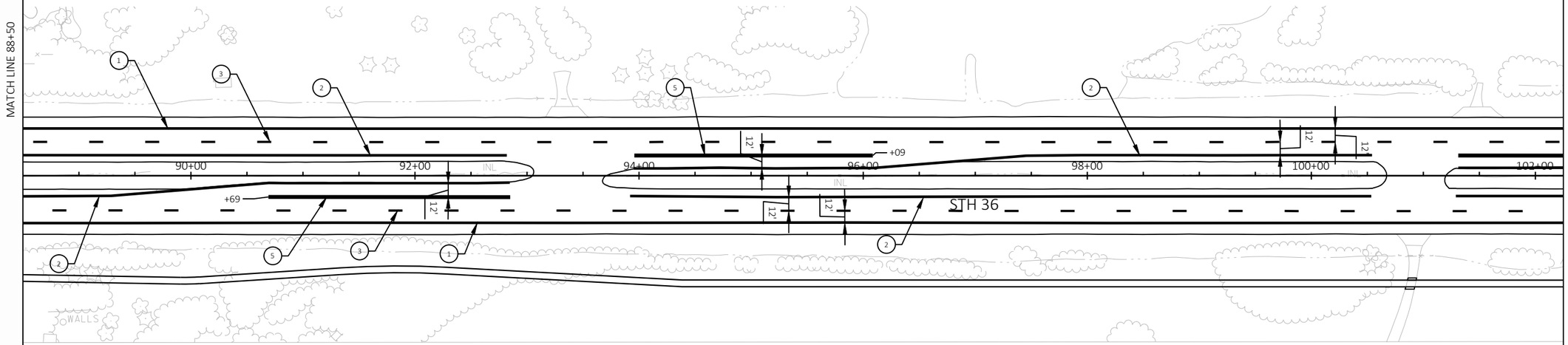
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024505

PLOT DATE : 10/25/2023 5:27 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 129	E

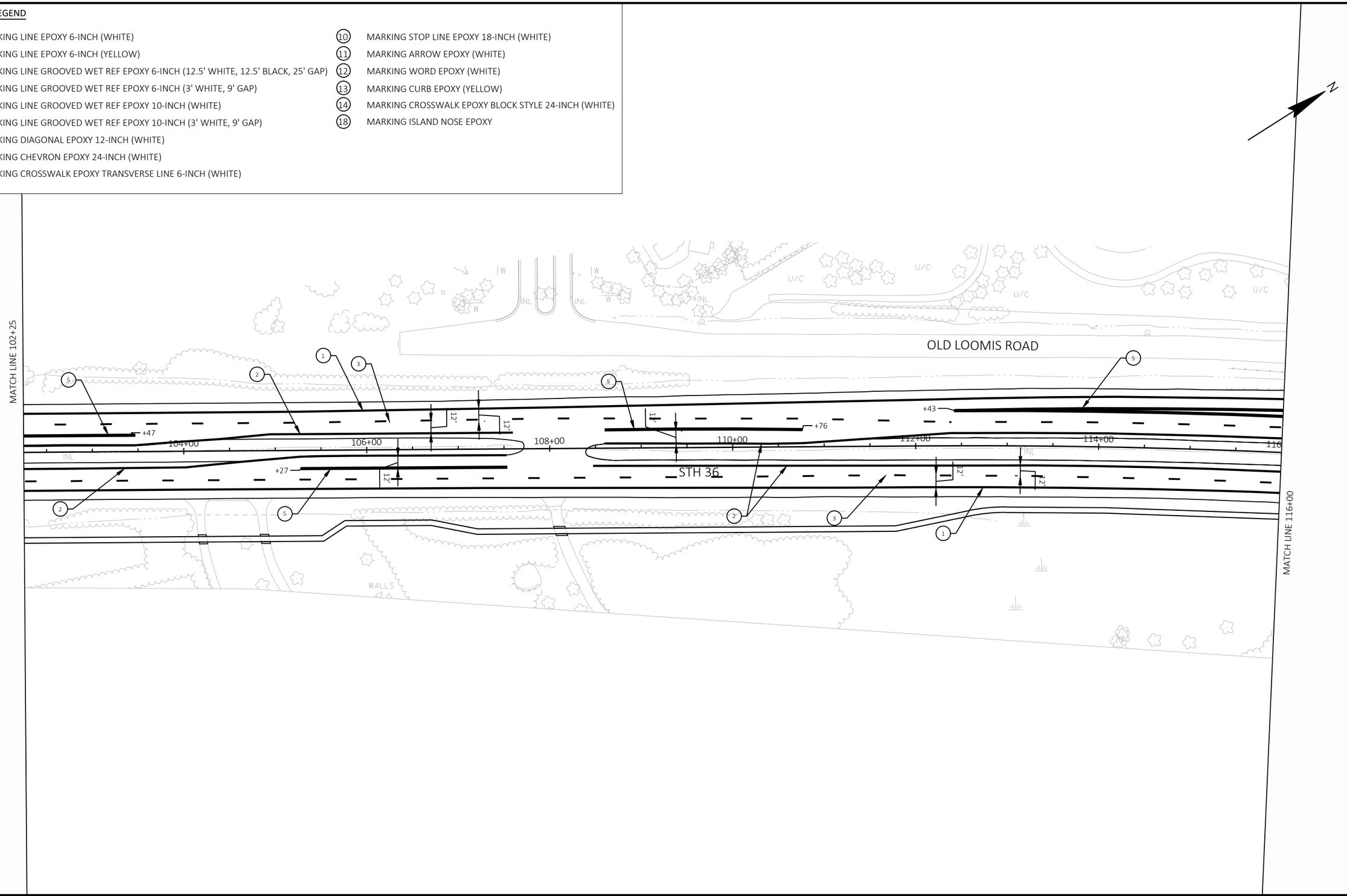
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024506

PLOT DATE : 10/25/2023 5:27 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 130	E

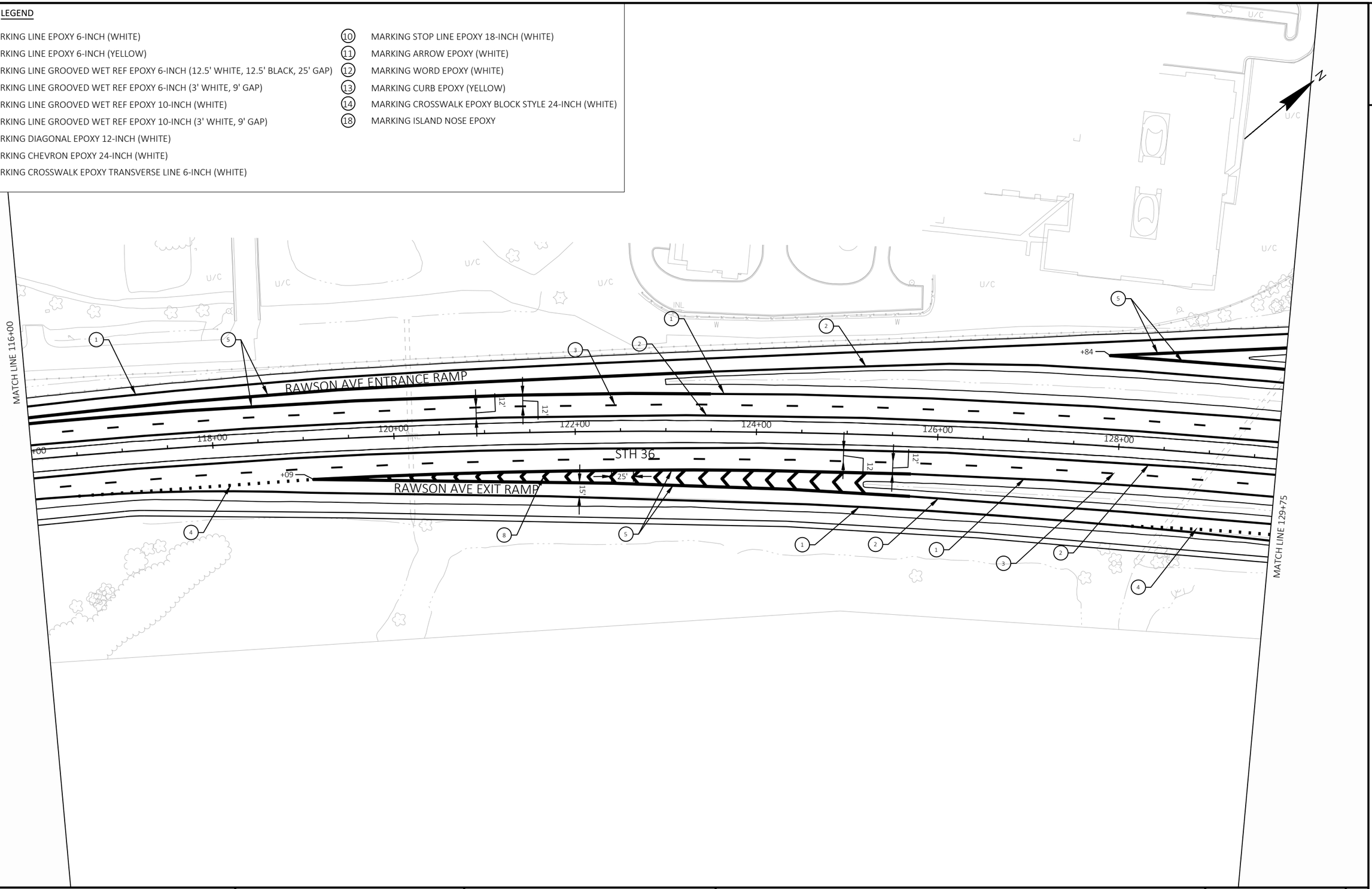
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507

PLOT DATE : 10/25/2023 5:27 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



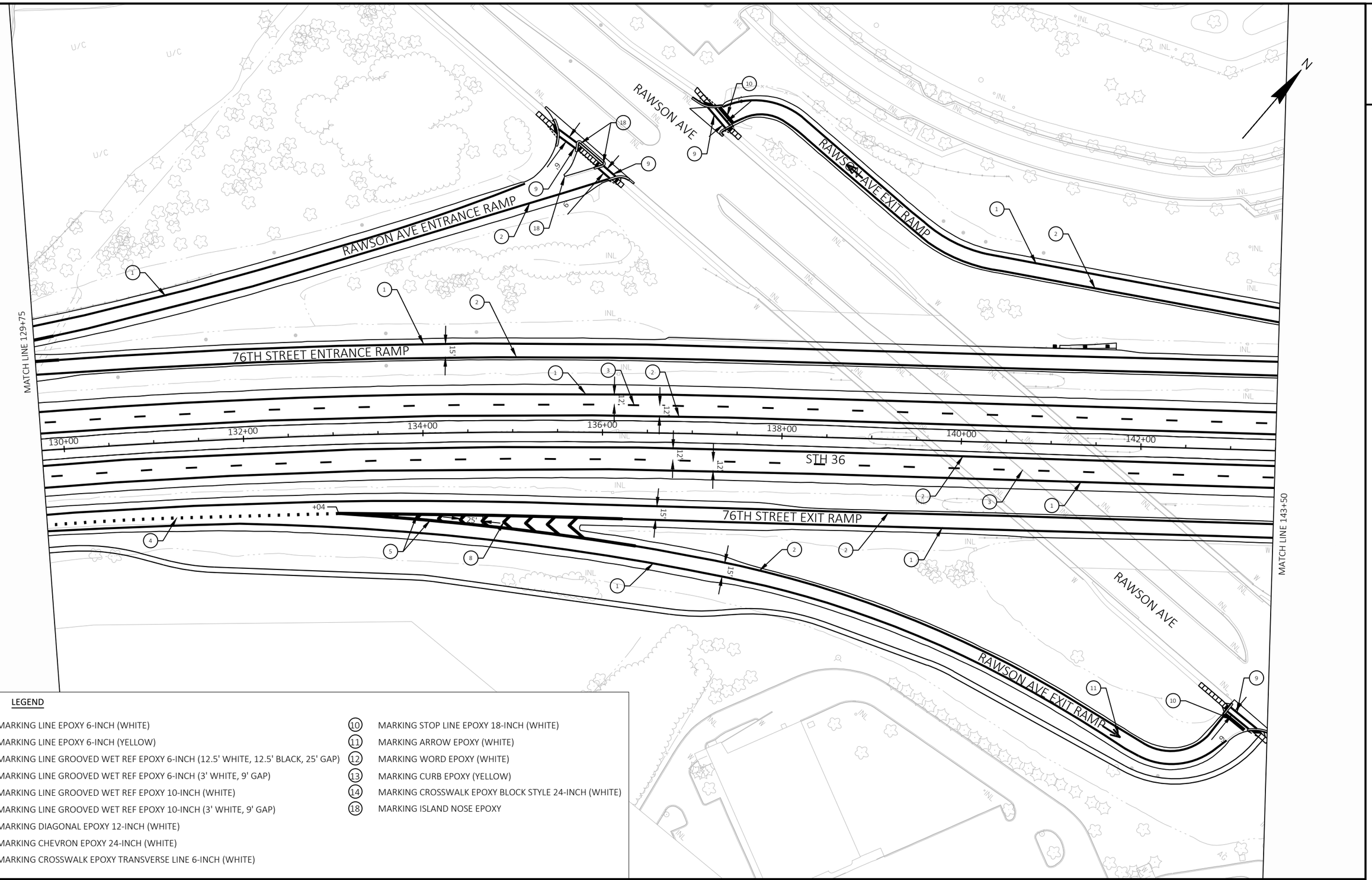
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 131	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024508

PLOT DATE : 10/25/2023 5:28 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 132	E

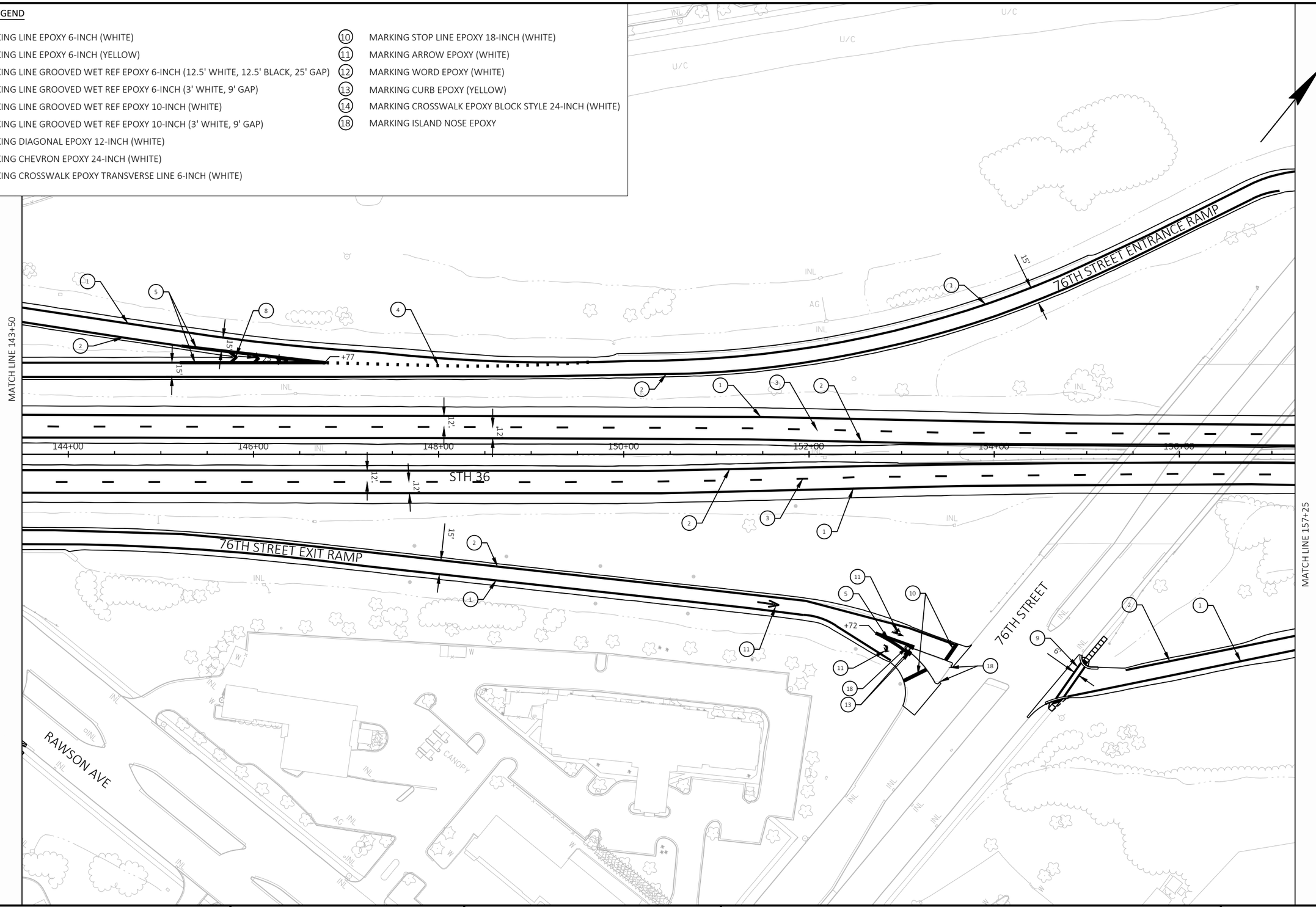
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LAYOUT NAME - 024509

PLOT DATE : 10/25/2023 5:28 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



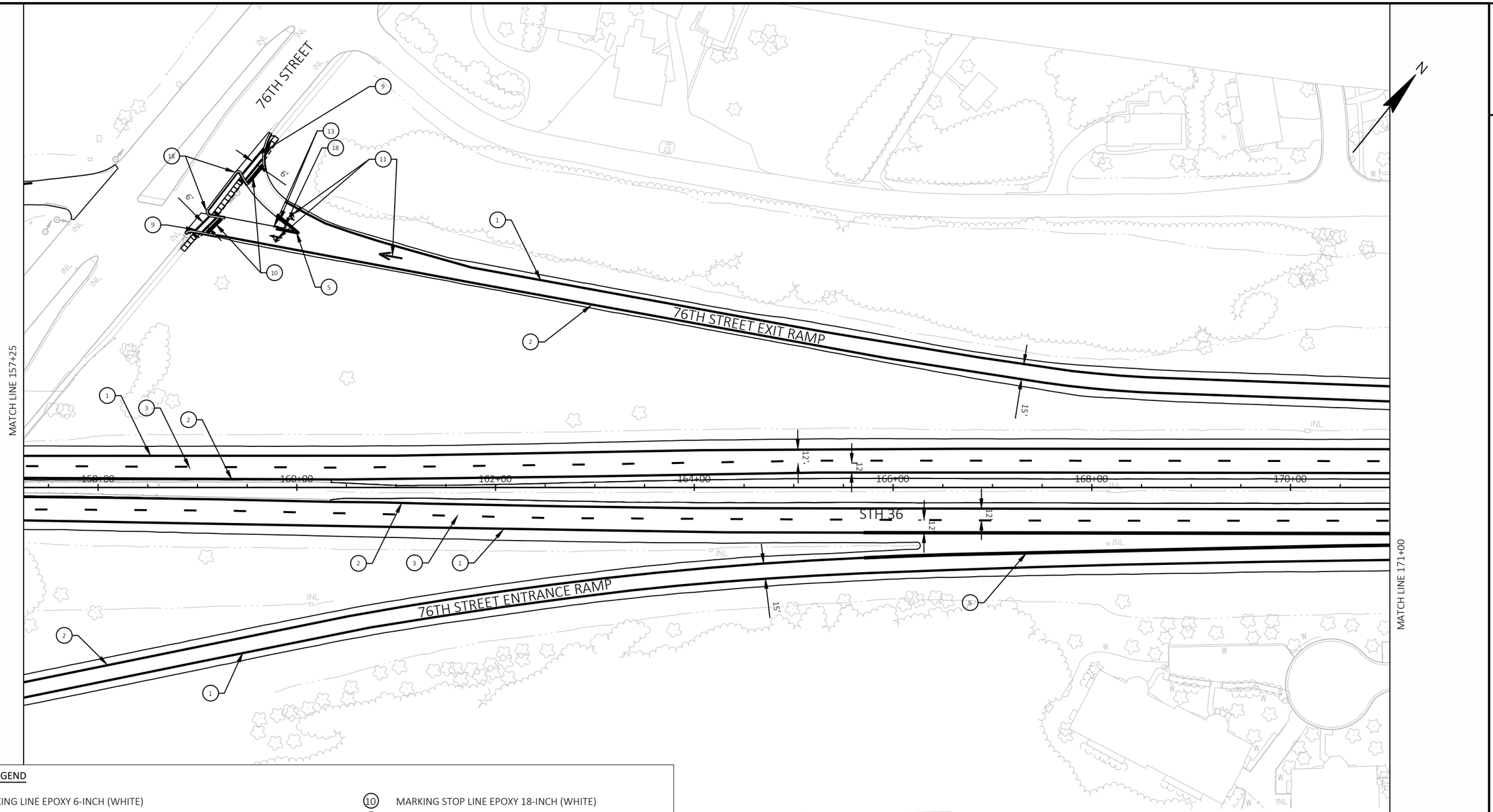
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 133	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024510

PLOT DATE : 10/25/2023 5:28 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY

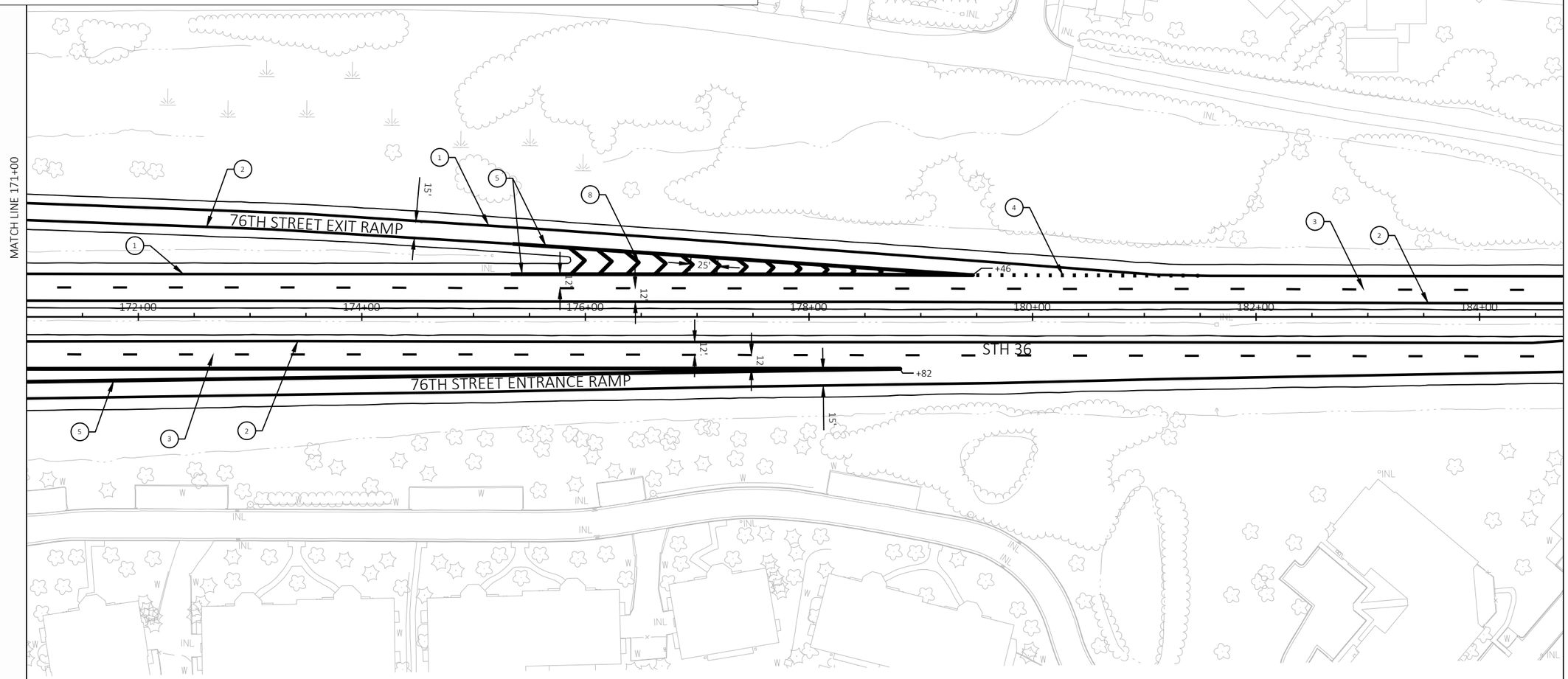
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 134	E

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LAYOUT NAME - 024511
PLOT DATE : 10/25/2023 5:28 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 135	E

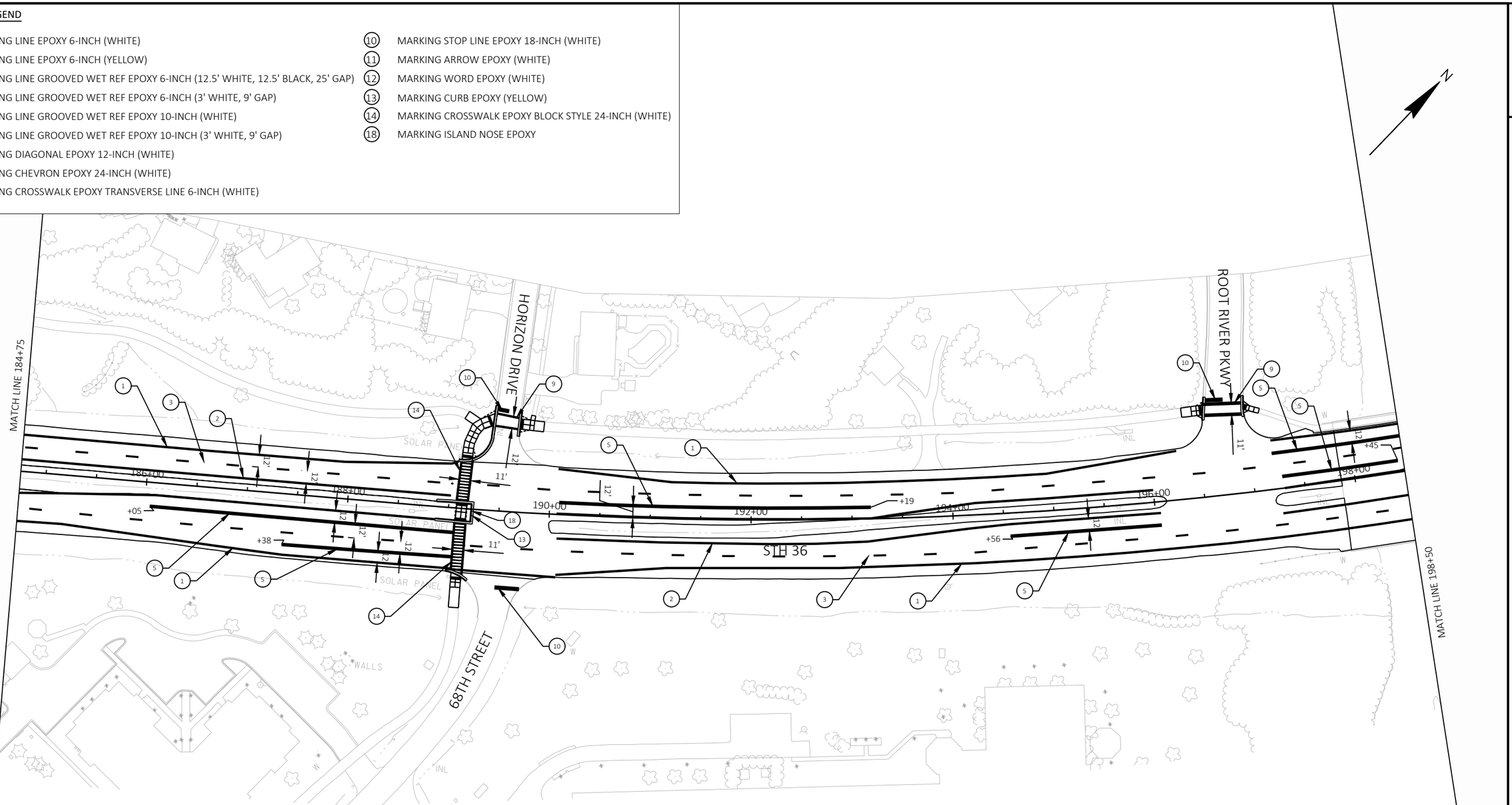
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LAYOUT NAME - 024512

PLOT DATE : 10/25/2023 5:28 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 136	E

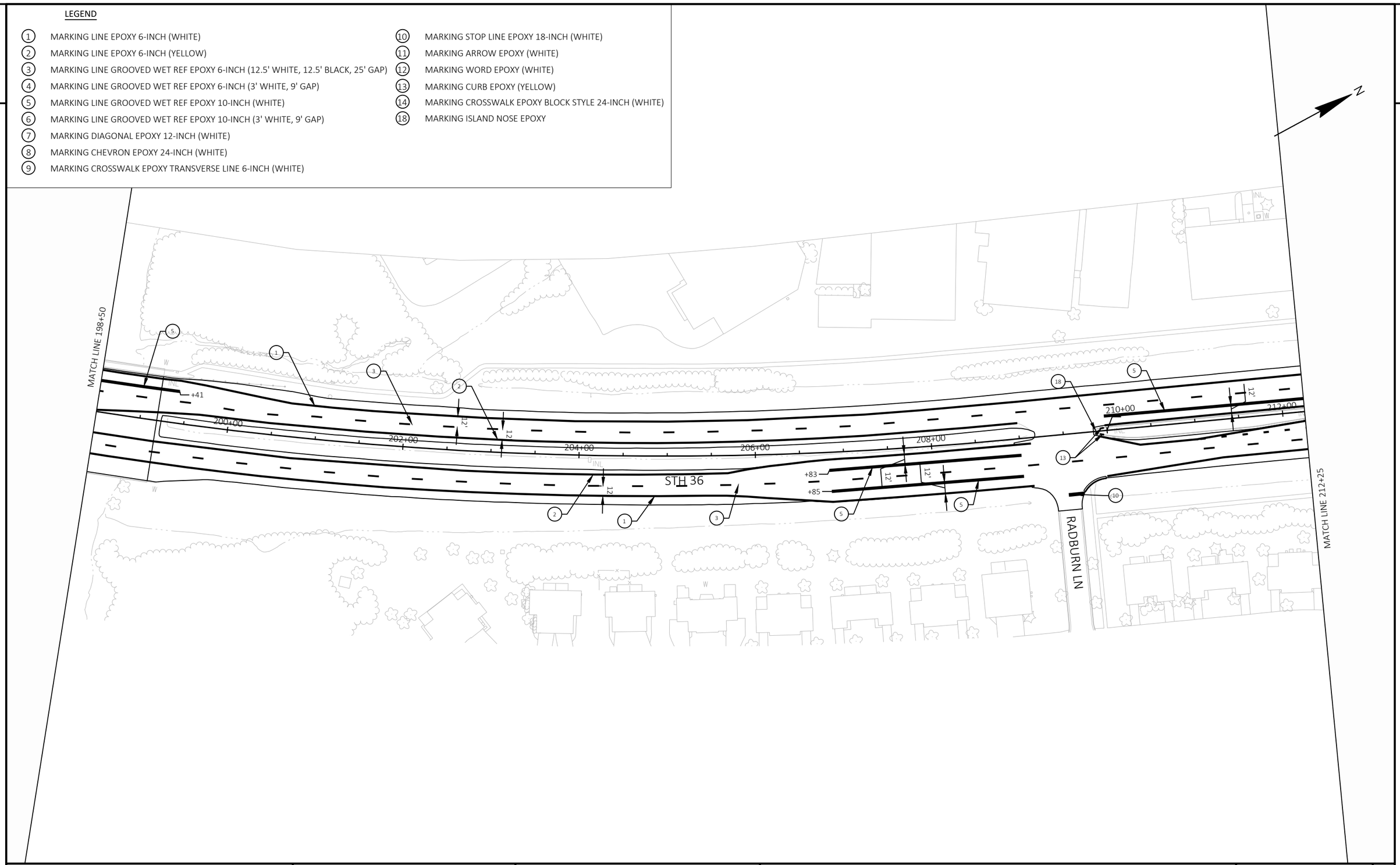
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LAYOUT NAME - 024513

PLOT DATE : 10/25/2023 5:28 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 137	E

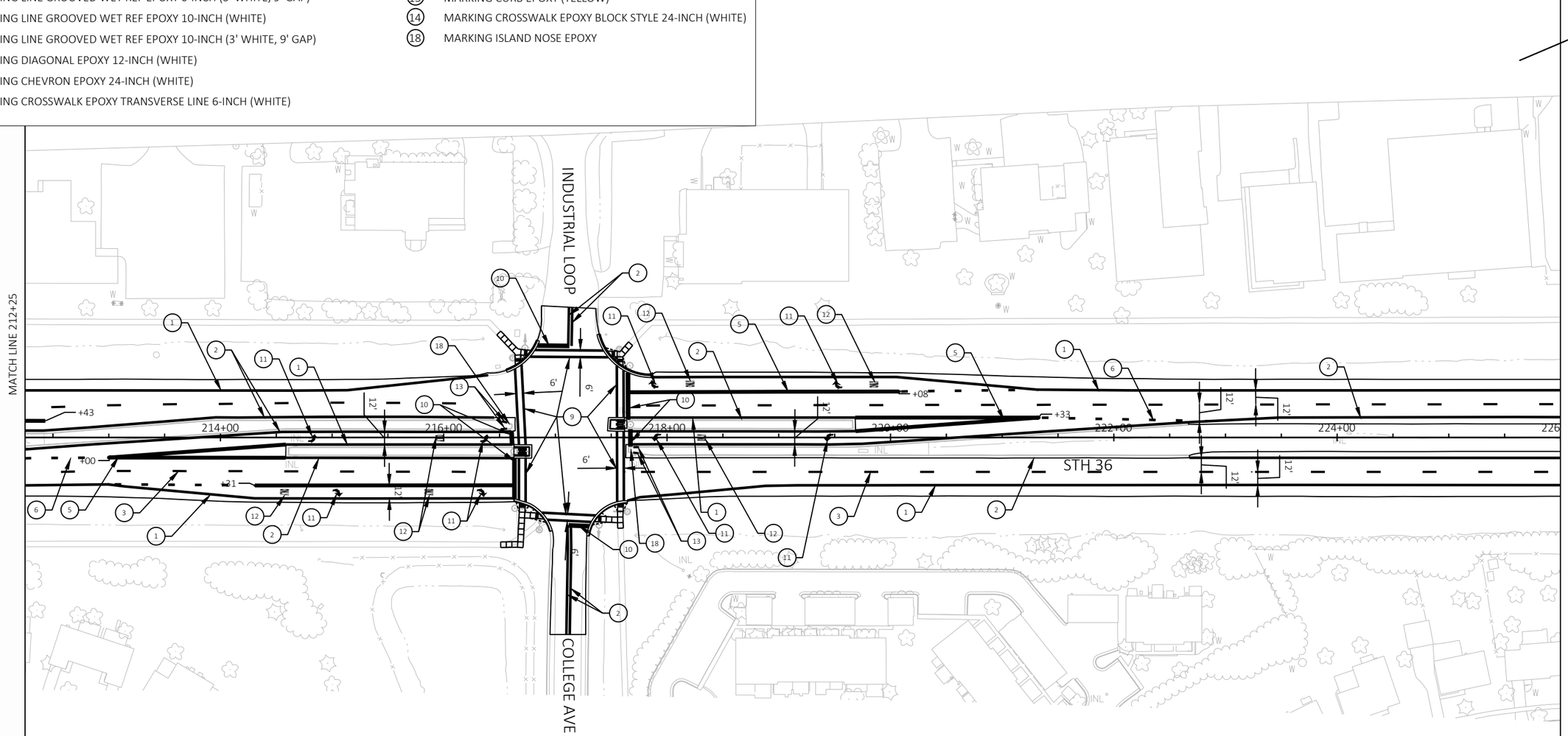
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LAYOUT NAME - 024514

PLOT DATE : 10/25/2023 5:29 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 138	E

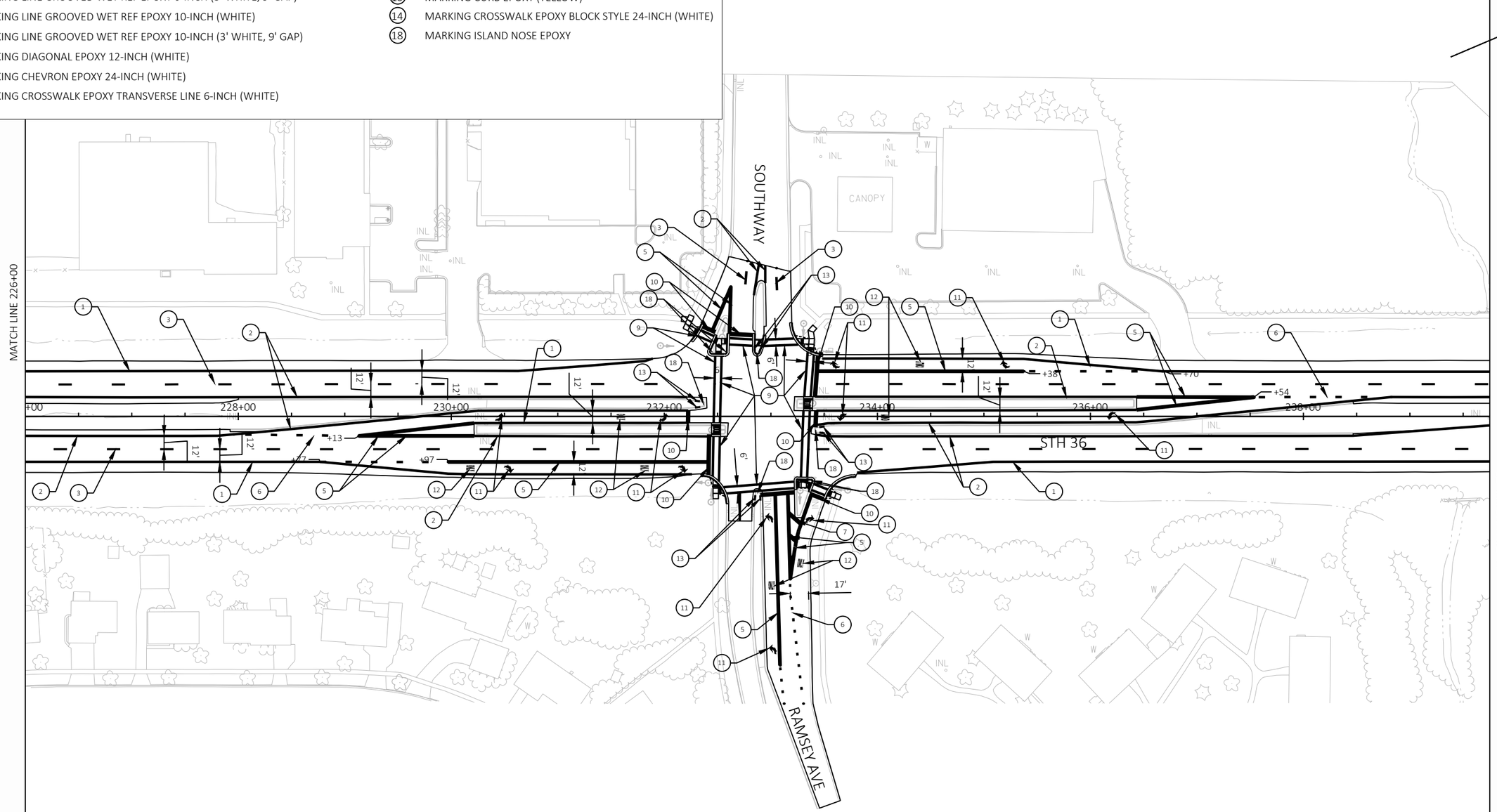
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LAYOUT NAME - 024515

PLOT DATE : 10/25/2023 5:29 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 139	E

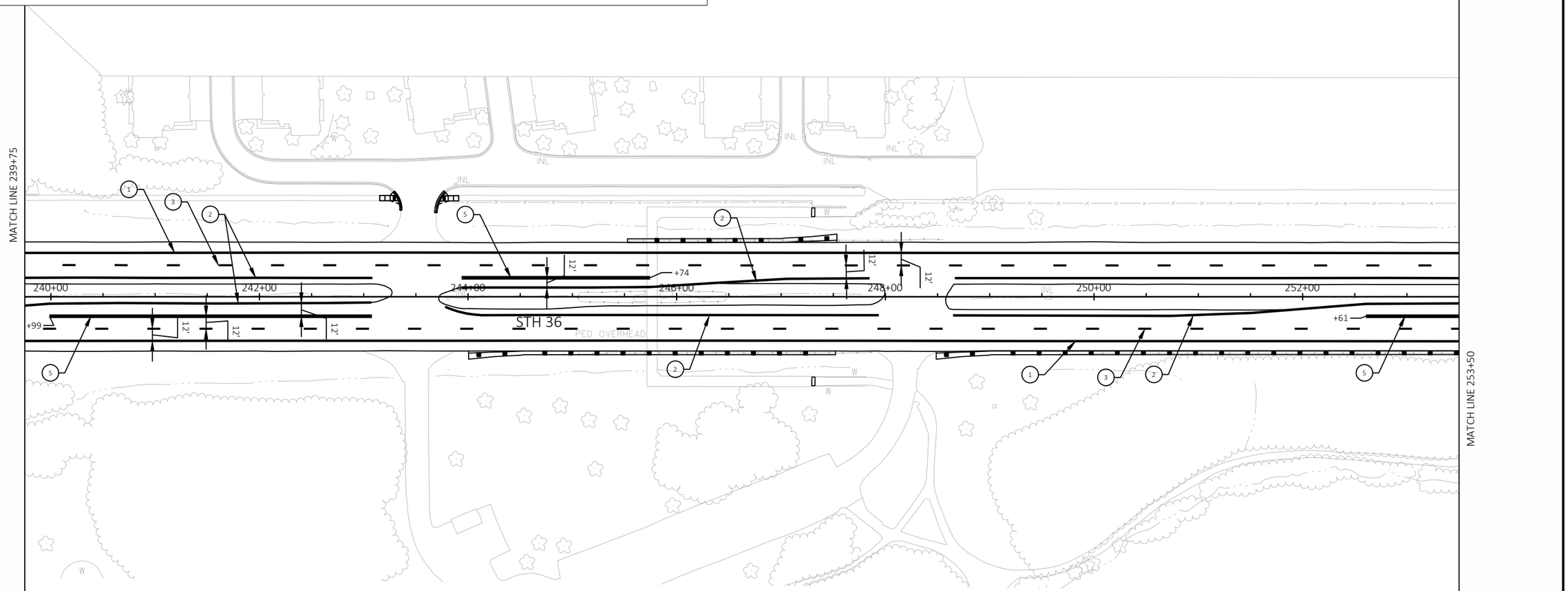
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LAYOUT NAME - 024516

PLOT DATE : 10/25/2023 5:29 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 140	E

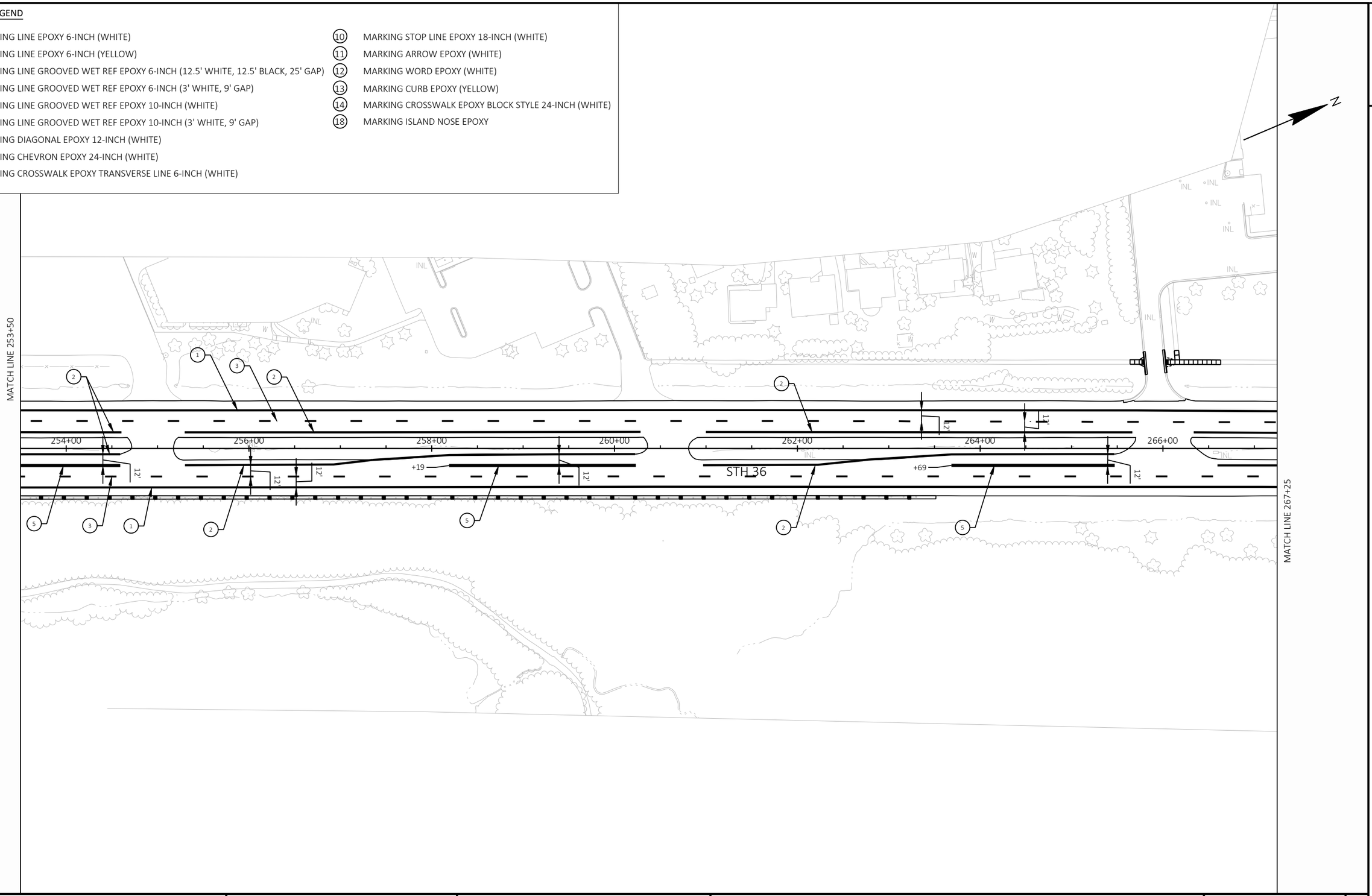
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LAYOUT NAME - 024517

PLOT DATE : 10/25/2023 5:29 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



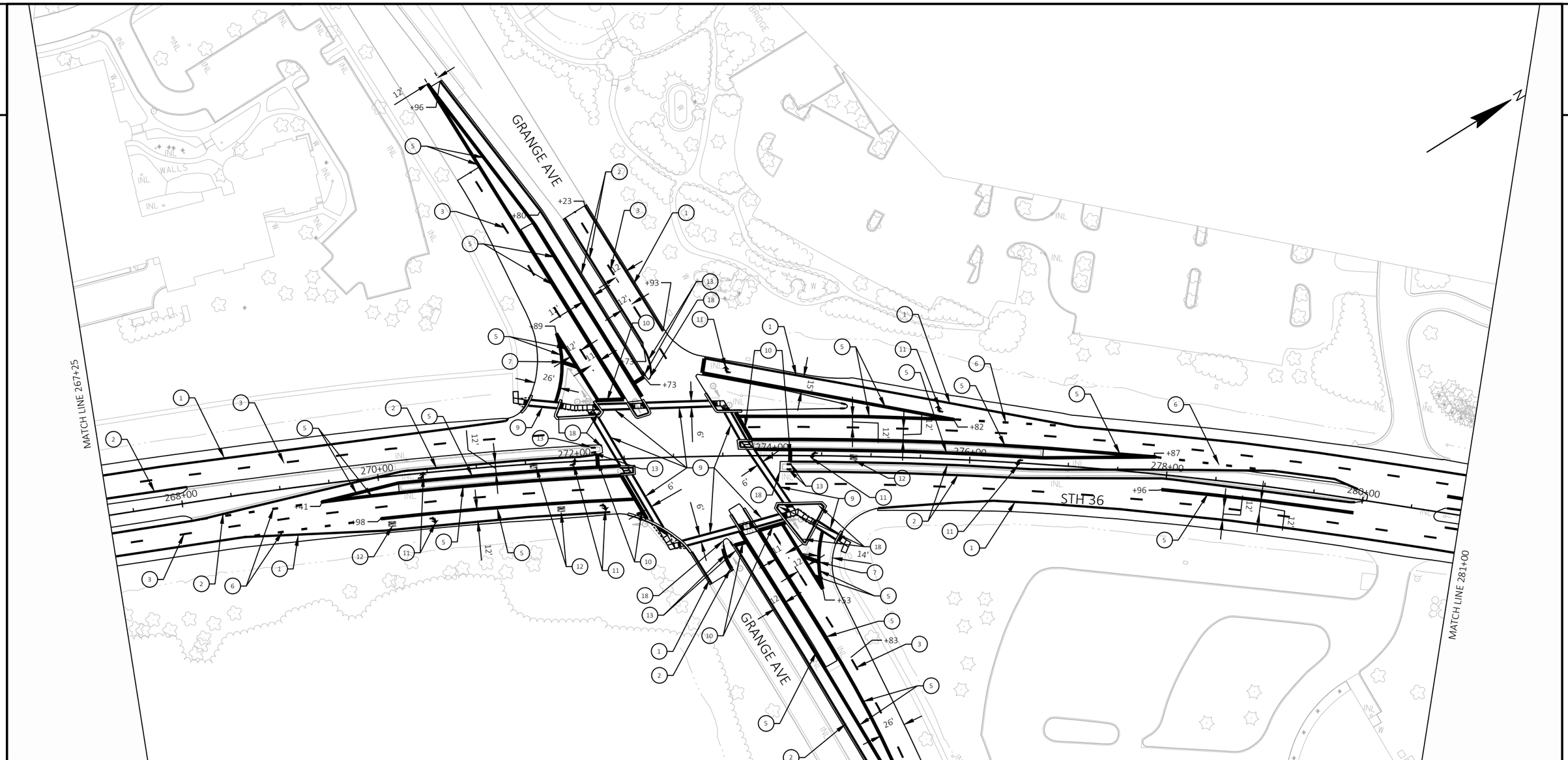
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 141	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024518

PLOT DATE : 10/25/2023 5:29 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 142	E

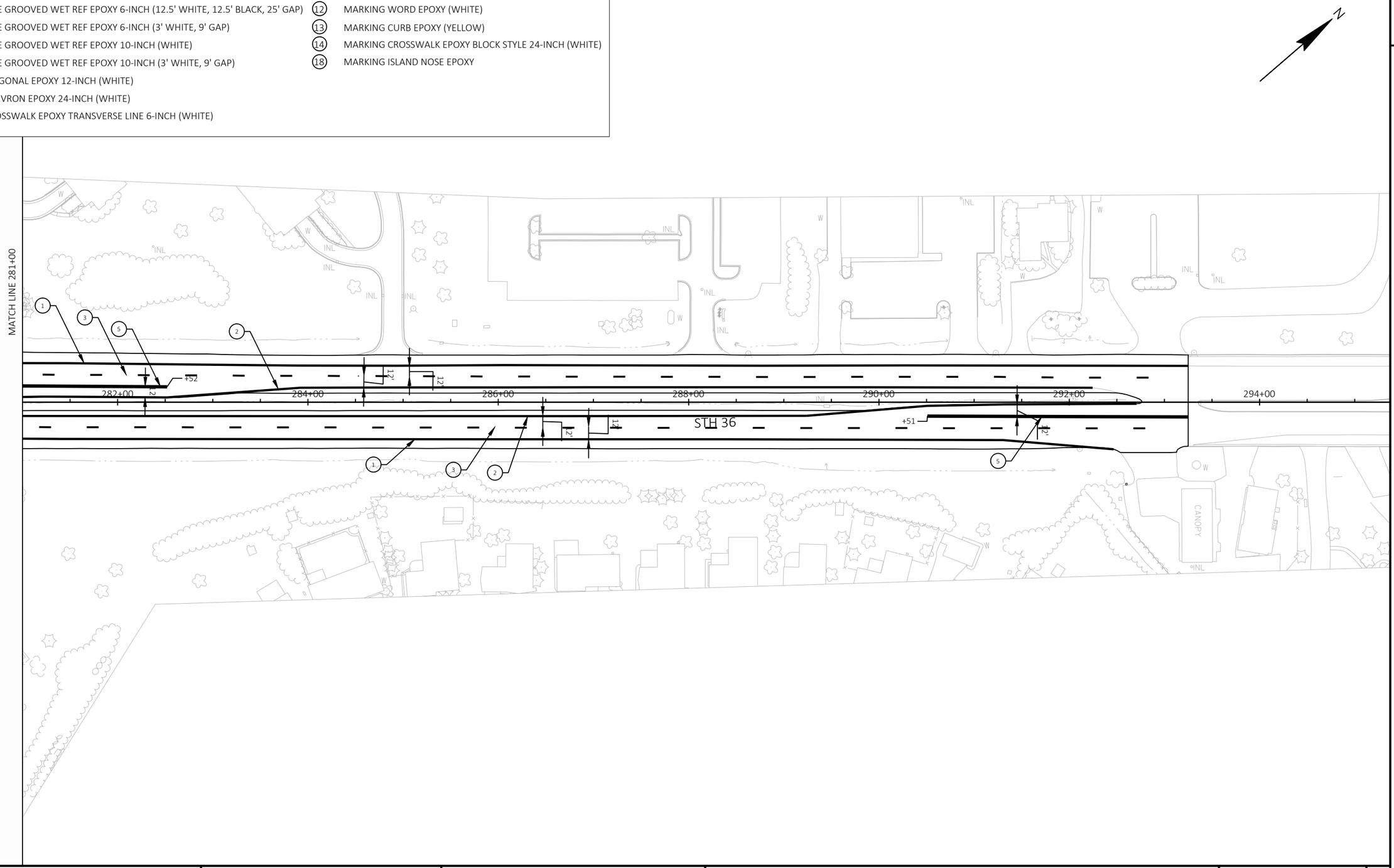
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LAYOUT NAME - 024519
PLOT DATE : 10/25/2023 5:29 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

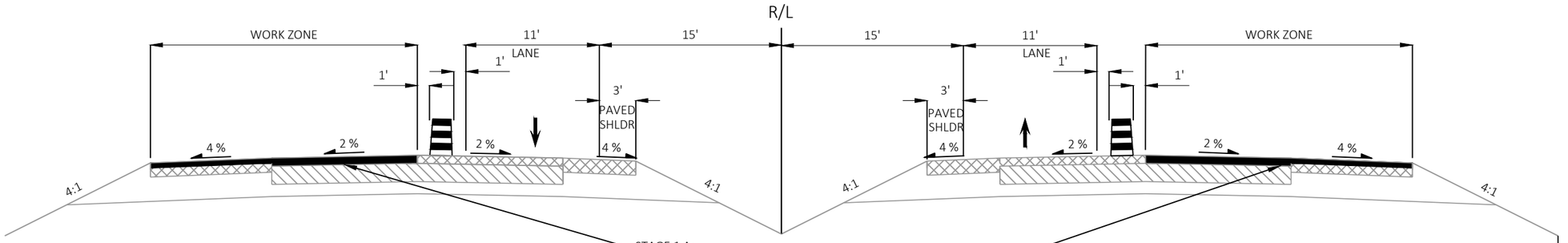
1. MARKING LINE EPOXY 6-INCH (WHITE)
2. MARKING LINE EPOXY 6-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (12.5' WHITE, 12.5' BLACK, 25' GAP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (3' WHITE, 9' GAP)
5. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (3' WHITE, 9' GAP)
7. MARKING DIAGONAL EPOXY 12-INCH (WHITE)
8. MARKING CHEVRON EPOXY 24-INCH (WHITE)
9. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
10. MARKING STOP LINE EPOXY 18-INCH (WHITE)
11. MARKING ARROW EPOXY (WHITE)
12. MARKING WORD EPOXY (WHITE)
13. MARKING CURB EPOXY (YELLOW)
14. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PAVEMENT MARKING - STH 36	SHEET 143	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024520

PLOT DATE : 10/25/2023 5:30 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

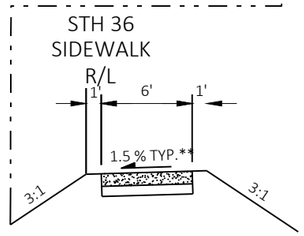


STAGE 1 A:
MILL 4-INCHES EXISTING PAVEMENT ON LANE 1.75-INCHES ON SHOULDER
PAVE LOWER LIFT OF HMA ON LANE

STAGE 1C:
PAVE UPPER LIFT OF HMA ON LANE AND SHOULDER

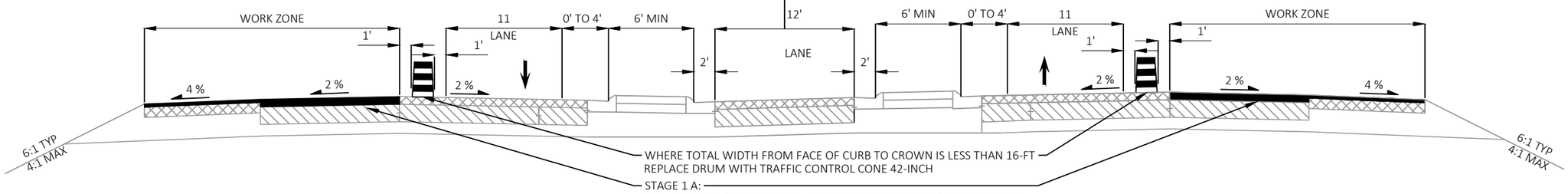
STH 36 - STAGE 1A/C & 2A/C

STA 27+00 TO STA 73+68
STA 81+25 TO STA 214+60
STA 222+40 TO STA 227+92
STA 238+47 TO STA 268+60
STA 276+73 TO STA 293+25



STH 36 SIDEWALK

STA 2221+00 - 2344+23.42



WHERE TOTAL WIDTH FROM FACE OF CURB TO CROWN IS LESS THAN 16-FT
REPLACE DRUM WITH TRAFFIC CONTROL CONE 42-INCH

STAGE 1 A:
MILL 4-INCHES EXISTING PAVEMENT ON LANE 1.75-INCHES ON SHOULDER
PAVE LOWER LIFT OF HMA ON LANE

STAGE 1C:
PAVE UPPER LIFT OF HMA ON LANE AND SHOULDER

STH 36 - STAGE 1A/C & 2A/C

STA 73+66 TO STA 79+04
STA 214+58 TO STA 219+68
STA 230+21 TO STA 236+43
STA 270+19 TO STA 276+73

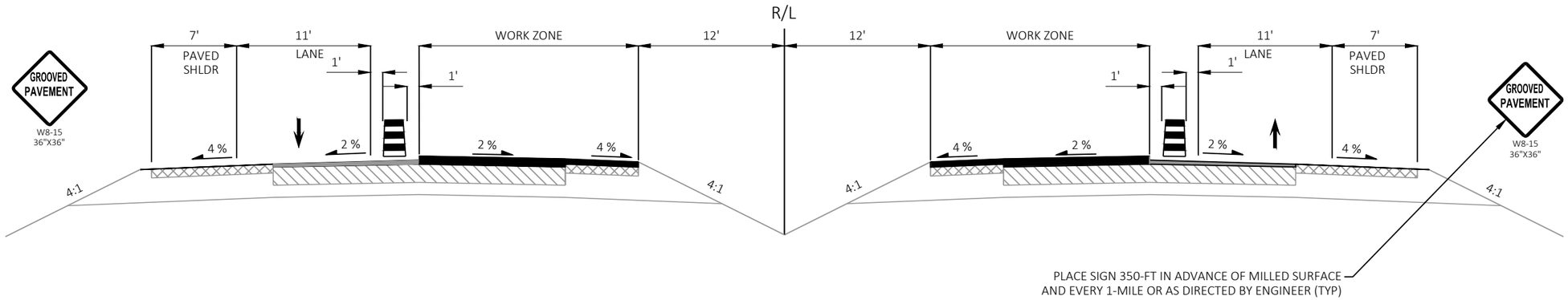
STAGE 1A, 1C, 2A, AND 2C TRAFFIC CONTROL

1. CONSTRUCT PROJECT IN HALVES USING RAWSON AVE AS THE APPROXIMATE DIVIDING LINE BETWEEN STAGE 1 AND STAGE 2
2. CLOSE OUTSIDE LANE AND PUT TRAFFIC ON INSIDE LANE AND SHOULDER UTILIZING SDD "TRAFFIC CONTROL, LANE CLOSURE UNDIVIDED FREEWAY/EXPRESSWAY."
3. FOR INTERSECTIONS AND COMMERCIAL ENTRANCES, WHEN NO WORK IS ACTIVELY OCCURRING, FOLLOW SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."
4. WHEN WORK IS ACTIVELY OCCURRING CLOSE TURN LANES AND COMMERCIAL ENTRANCES
5. NIGHT TIME WORKING HOURS DEFINED AS 7:00 PM TO 6:00 AM

WORK OCCURRING THIS STAGE

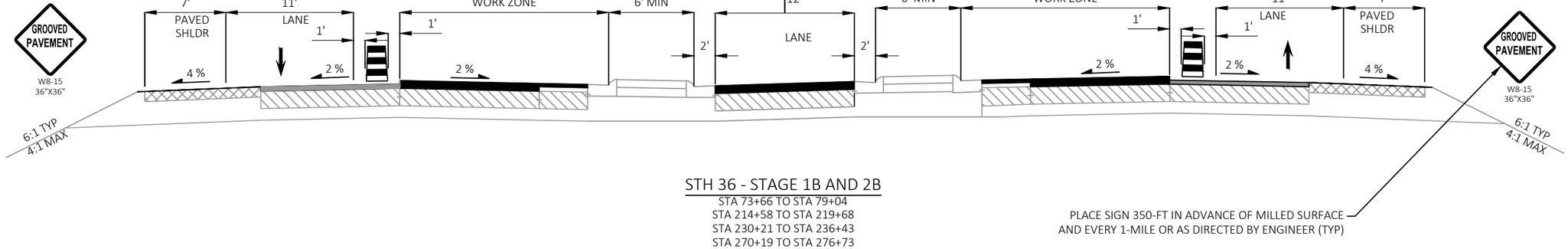
1. MILL OUTSIDE LANES. THROUGH INTERSECTIONS AND COMMERCIAL ENTRANCES OPENINGS PERFORM WEDGED MILLING TO ELIMINATE ANY VERTICAL DROPOFFS GREATER THAN 2 INCHES AND MILL PAST CENTERLINE TO ALLOW FOR ELIMINATION OF DROPOFFS IN STAGE 2.
2. PERFORM CONCRETE BASE PATCHING.
3. CONSTRUCT OUTSIDE CURB RAMPS AND INSTALL GUARDRAIL
4. PLACE LOWER LIFT OF HMA IN STAGE 1A AND 2A
5. PLACE UPPER LIFT OF HMA IN STAGE 1C AND 2C

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 144	E



STH 36 - STAGE 1B AND 2B

STA 27+00 TO STA 73+68
STA 81+25 TO STA 214+60
STA 222+40 TO STA 227+92
STA 238+47 TO STA 268+60
STA 276+73 TO STA 293+25



STH 36 - STAGE 1B AND 2B

STA 73+66 TO STA 79+04
STA 214+58 TO STA 219+68
STA 230+21 TO STA 236+43
STA 270+19 TO STA 276+73

STAGE 1B AND 2B TRAFFIC CONTROL

1. CONSTRUCT PROJECT IN TWO HALVES USING RAWSON AVENUE AS THE APPROXIMATE DIVIDING LINE BETWEEN STAGE 1 AND STAGE 2.
2. SHIFT TRAFFIC TO INSIDE LANES. SDD "TRAFFIC CONTROL, LANE CLOSURE UNDIVIDED FREEWAY/EXPRESSWAY."
3. FOR INTERSECTIONS AND MEDIAN OPENINGS, WHEN NO WORK IS ACTIVELY OCCURRING, FOLLOW SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE." WHEN WORK IS ACTIVELY OCCURRING, CLOSE.
4. NIGHT TIME WORKING HOURS DEFINED AS 7:00 PM TO 6:00 AM

WORK TO BE COMPLETED

1. MILL INSIDE LANES, LEFT TURN LANES, AND MEDIAN OPENINGS. THROUGH INTERSECTIONS AND MEDIAN OPENINGS PERFORM WEDGED MILLING TO ELIMINATE ANY VERTICAL DROPOFFS GREATER THAN 2 INCHES.
2. PERFORM CONCRETE BASE PATCHING.
3. CONSTRUCT MEDIAN CURB CURB RAMPS.
4. PLACE LOWER LIFT OF HMA ON INSIDE LANES, LEFT TURN LANES, AND MEDIAN OPENINGS.
5. PLACE UPPER LIFT OF HMA ON INSIDE LANES, LEFT TURN LANES, AND MEDIAN OPENINGS.

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

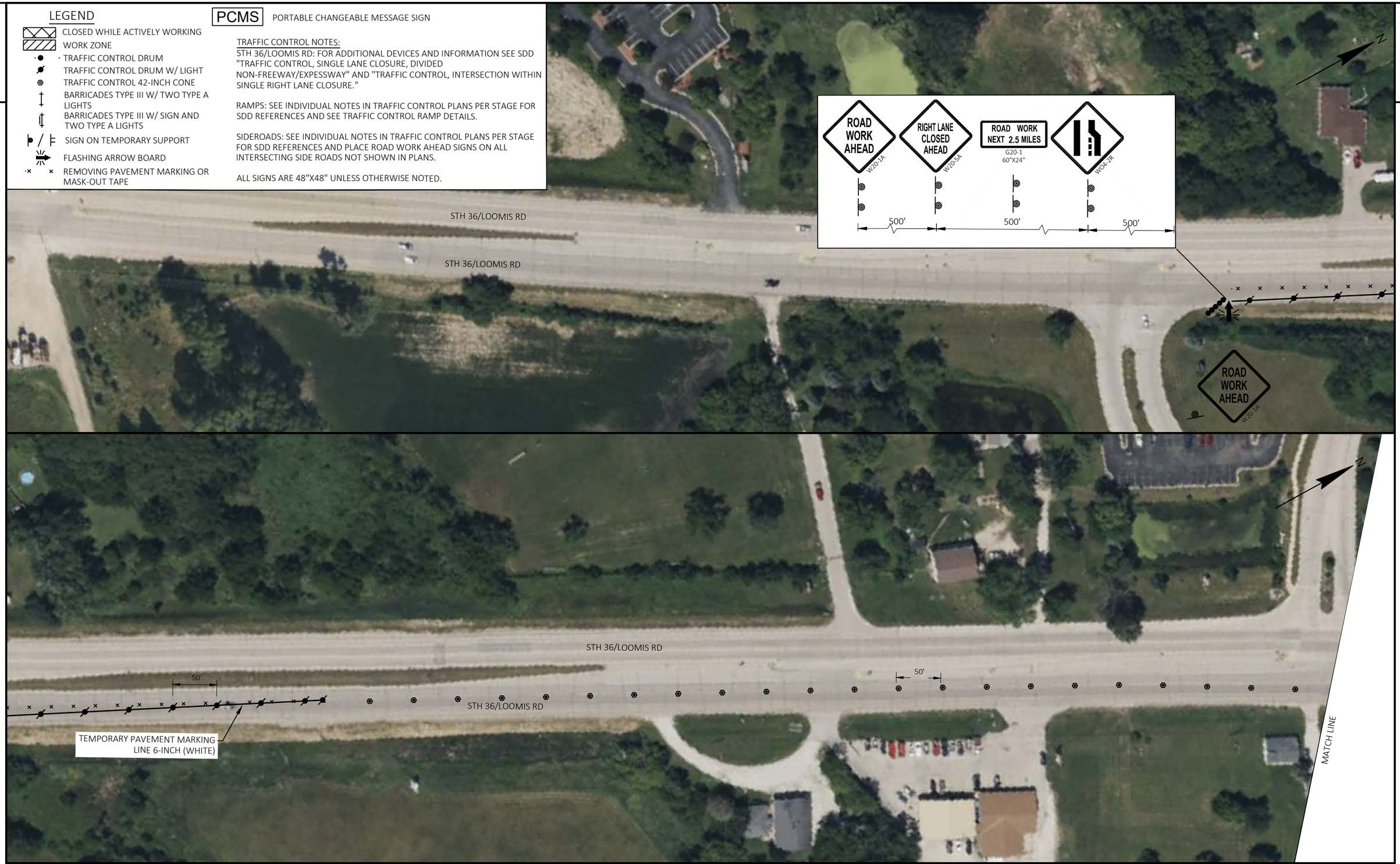
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 146	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 00

PLOT DATE : 10/30/2023 1:27 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

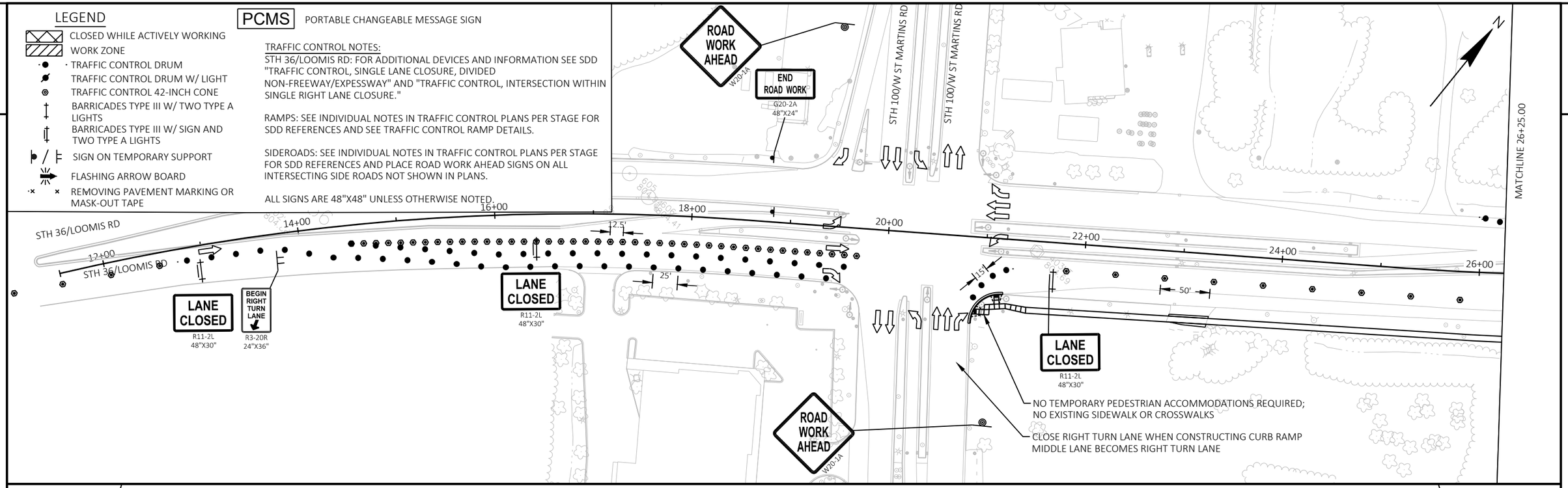
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 147	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 01
PLOT DATE : 10/30/2023 1:27 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

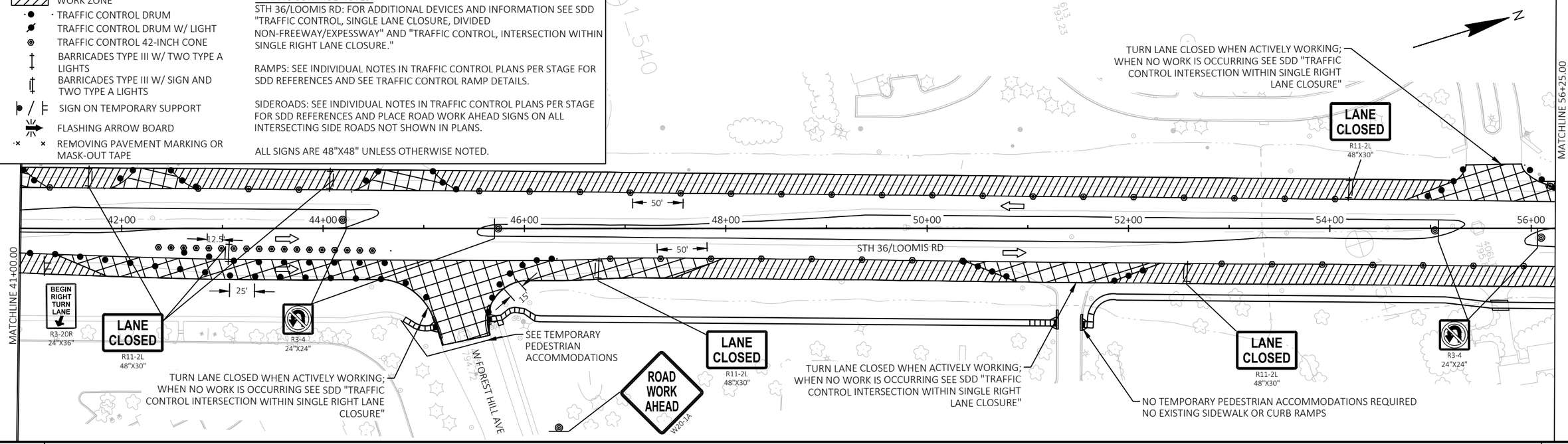
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

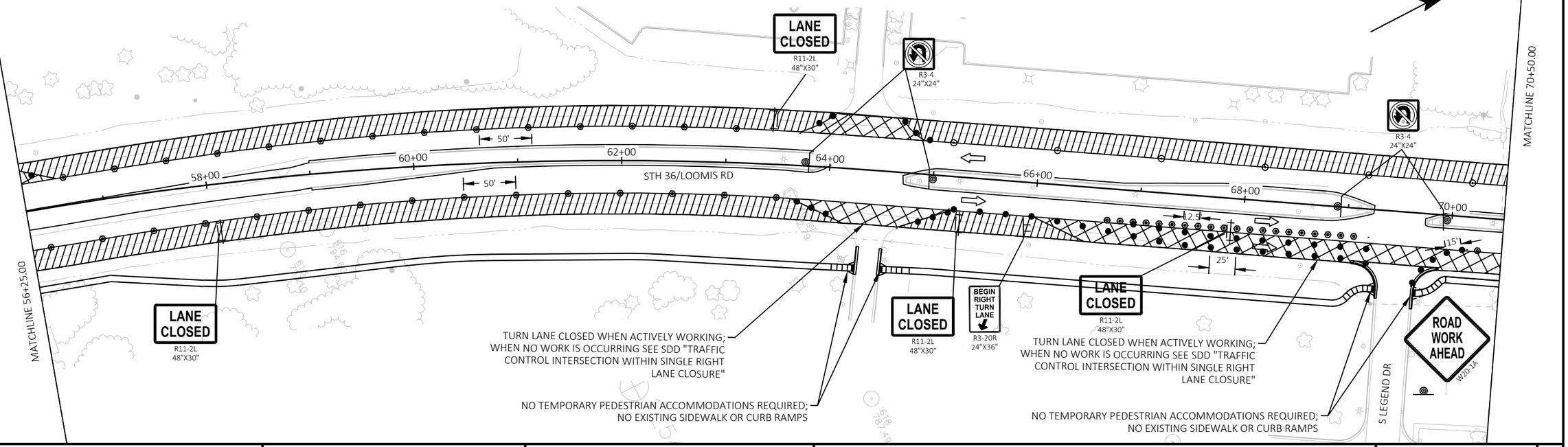
TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 148	E

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

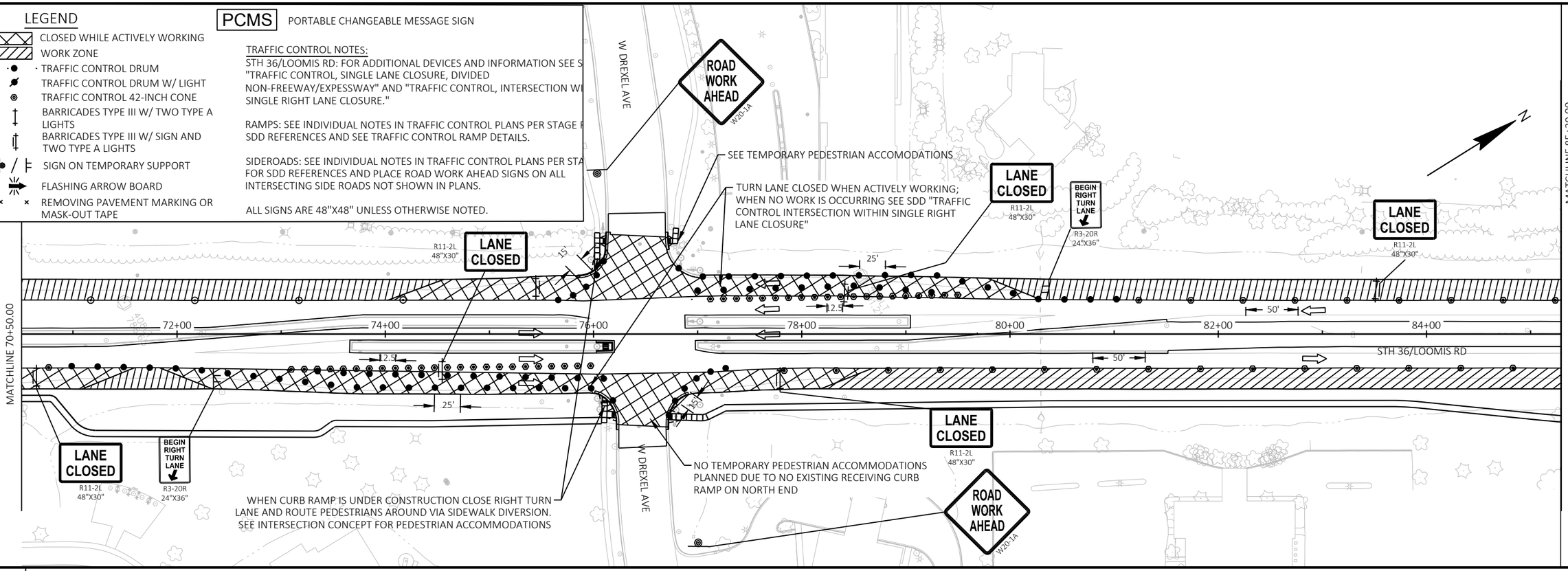
TRAFFIC CONTROL NOTES:

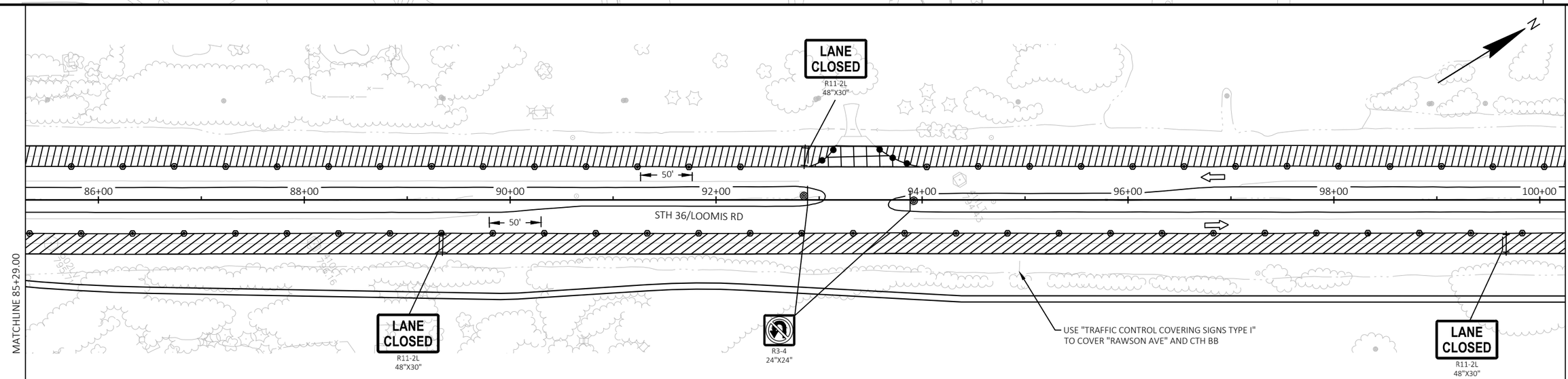
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE S
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED
NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WI
SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE F
SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STA
FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL
INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 149	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:28 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

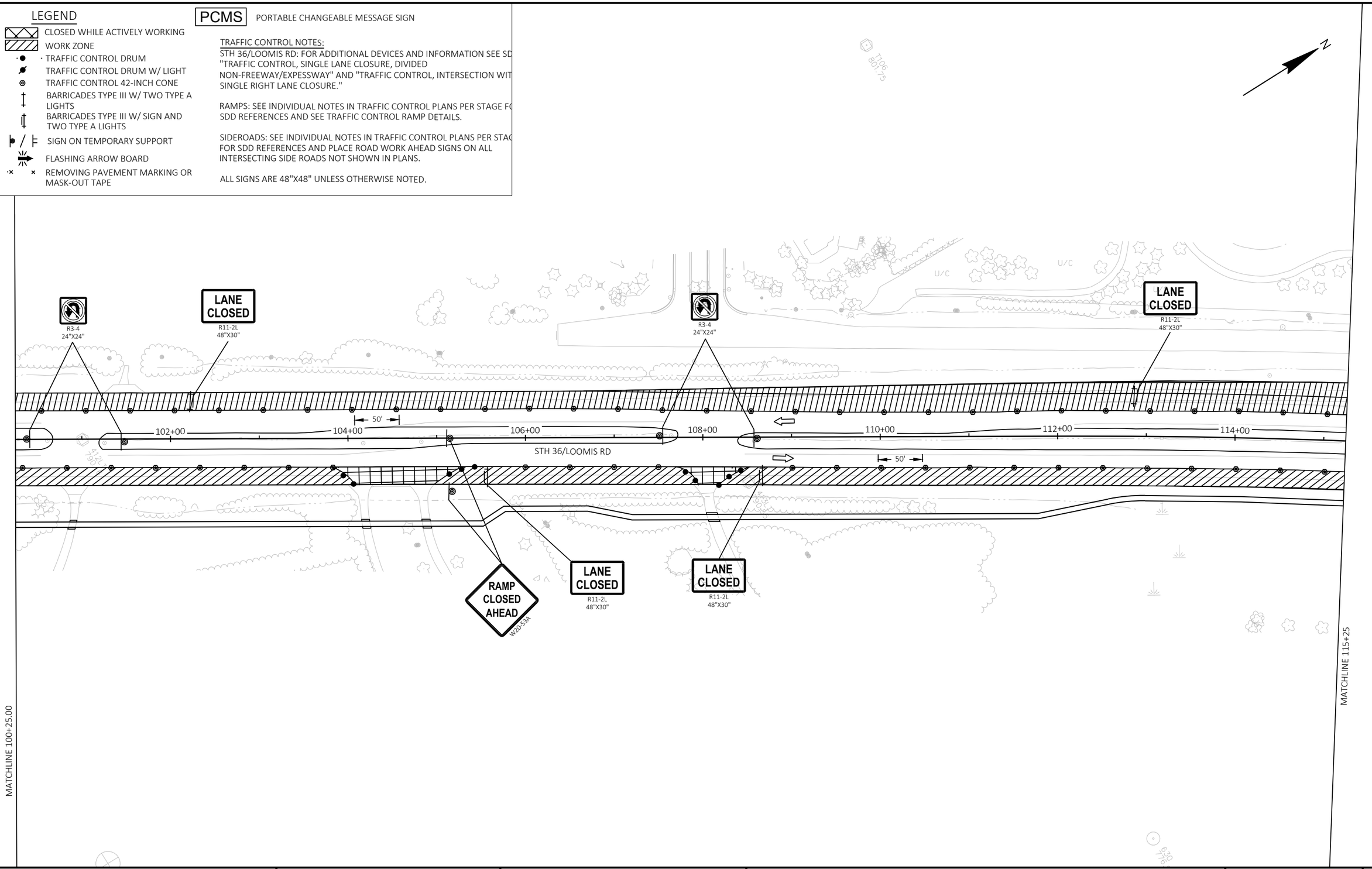
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WIT SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FO SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAG FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 150	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 04

PLOT DATE : 10/30/2023 1:28 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

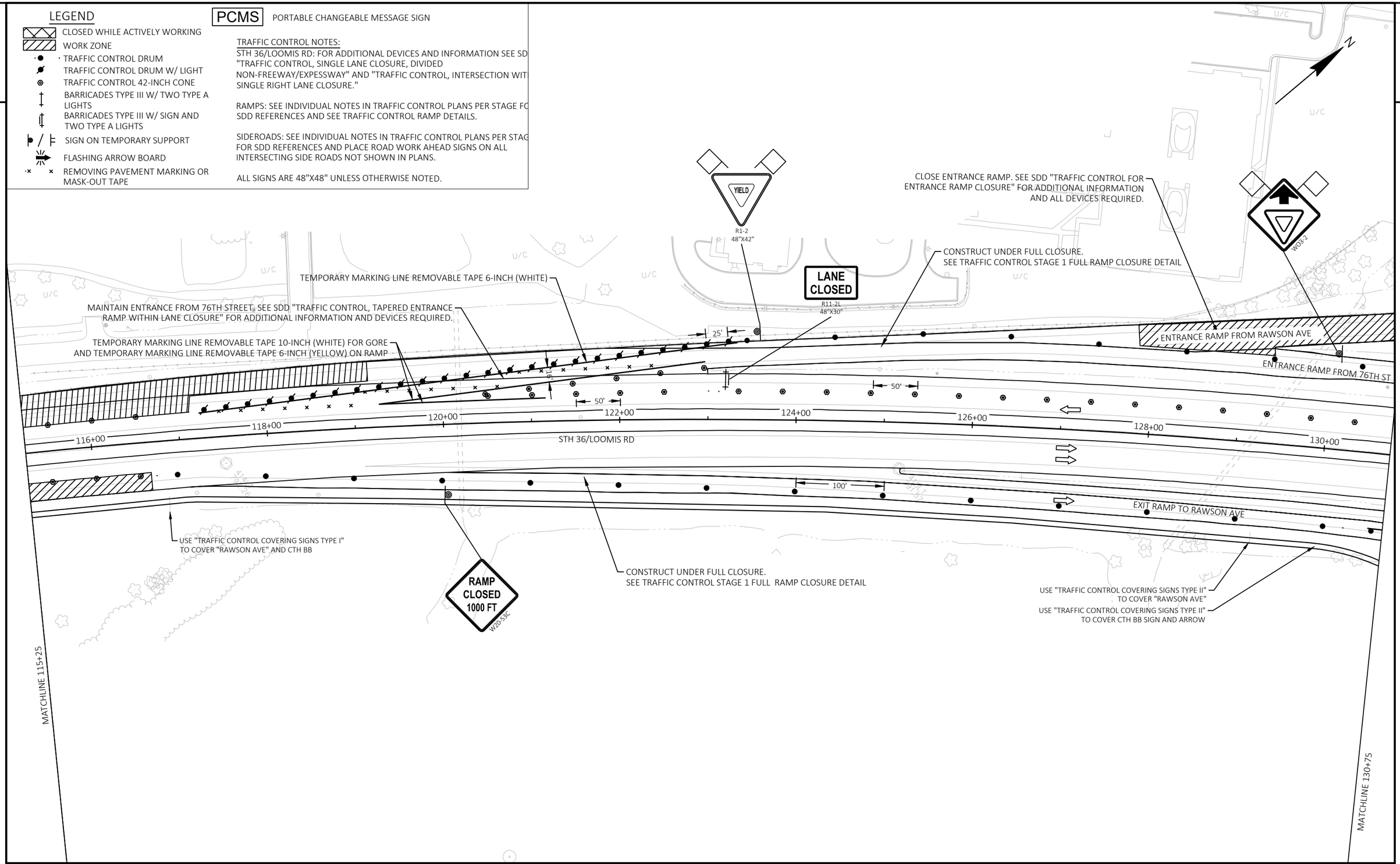
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WIT SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FO SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAG FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 151	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:29 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WIT SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FO SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAG FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

N

U/C

MATCHLINE 130+75.00

CLOSE ENTRANCE RAMP. SEE SDD "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE" AND RAWSON AVE RAMP DETAILS FOR ADDITIONAL INFORMATION AND ALL DEVICES REQUIRED.

ENTRANCE RAMP FROM RAWSON AVE

W RAWSON AVE

W RAWSON AVE

EXIT RAMP TO RAWSON AVE

TEMPORARY PAVEMENT MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)

ENTRANCE RAMP FROM 76TH ST

50'

50'

132+00

134+00

136+00

138+00

140+00

142+00

144+00

STH 36/LOOMIS RD

EXIT RAMP TO 76TH ST

EXIT RAMP TO RAWSON AVE

END ROAD WORK
G20-2A
48"X24"

CLOSE EXIT RAMP. SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE" AND RAWSON AVE RAMP DETAILS FOR ADDITIONAL INFORMATION AND ALL DEVICES REQUIRED.

1_552

1_551

MATCHLINE 144+50.00

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 152	E

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

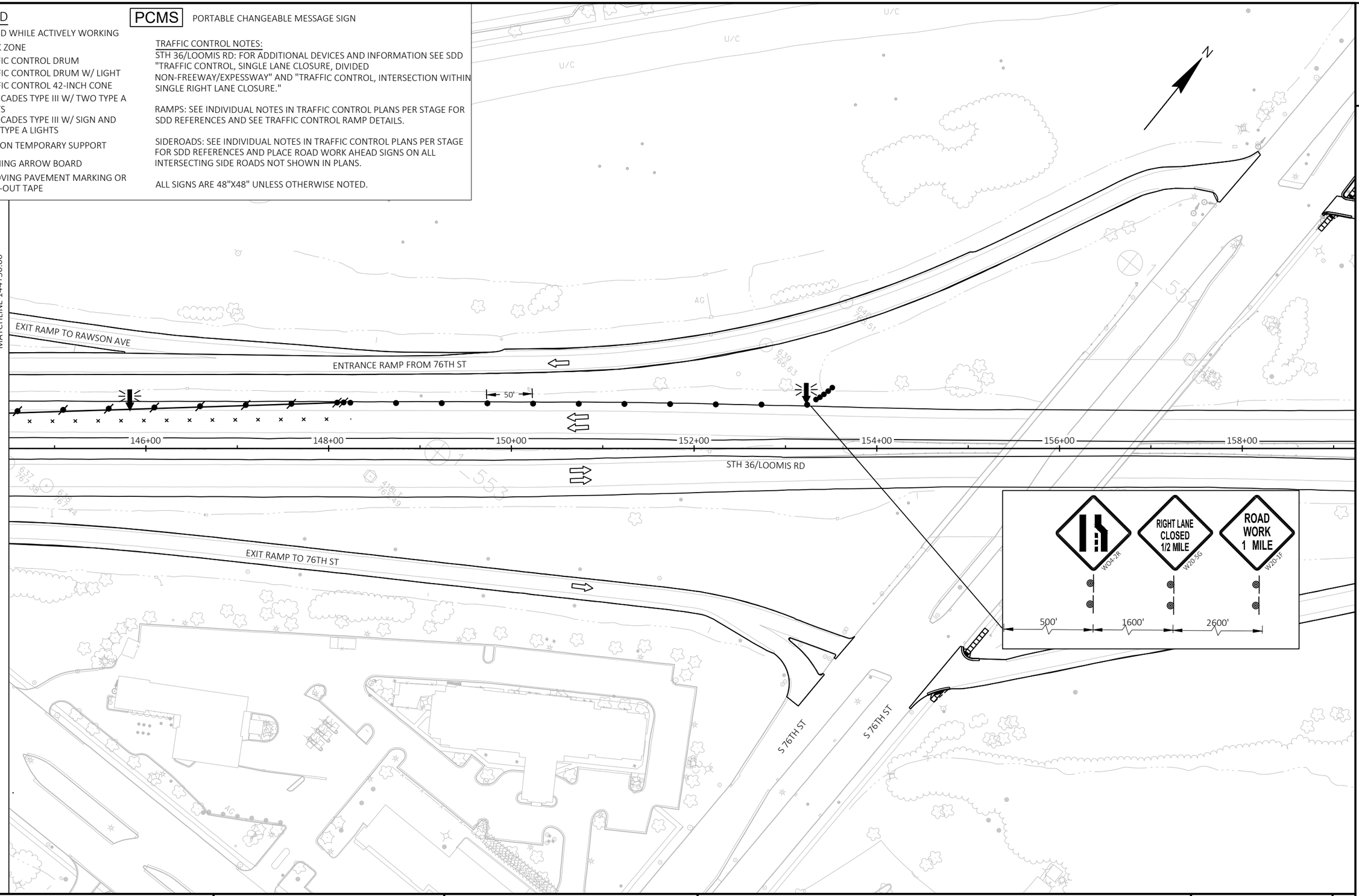
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C	SHEET 153	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2023 1:29 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

PCMS
MESSAGE:
RAMP CLOSED
AHEAD; USE S
76TH ST

COVER SOUTH STH 36 SIGNS AND ARROWS
TRAFFIC CONTROL COVERING SIGNS TYPE II

CLOSE RIGHT TURN LANE ON RAWSON DURING ENTRANCE RAMP CLOSURE AND CURB RAMP CONSTRUCTION.
SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY"
SEE SDD "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE"
FOR ADDITIONAL INFORMATION AND DEVICES.

DURING CURB RAMP CONSTRUCTION UTILIZE RAWSON AVE TURN LANE
AND SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
FOR PEDESTRIAN ROUTE AND ALL TEMPORARY ITEMS REQUIRED. TEMPORARY
ITEMS ARE NOTED IN MISCELLANEOUS QUANTITIES PER LOCATION.

CLOSE ENTRANCE RAMP. SEE SDD "TRAFFIC CONTROL FOR
ENTRANCE RAMP CLOSURE" AND RAWSON AVE RAMP DETAILS
FOR ADDITIONAL INFORMATION AND ALL DEVICES REQUIRED.

25'

RAMP CLOSED
R11-2R
48"X30"

W03-2

ENTRANCE RAMP FROM RAWSON AVE

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR
PARKING LANE, UNDIVIDED ROADWAY"

ROAD NARROWS
W05-1
48"X48"

W RAWSON AVE

W RAWSON AVE

50'

RAMP CLOSED
R11-2R
48"X30"

EXIT RAMP TO RAWSON AVE

ROAD WORK AHEAD
W20-1A

CRYSTAL RIDGE RD

SOUTH
36
M3-3
24"X12"
M1-6
24"X24"

RAMP CLOSED AHEAD
W20-3A

ENTRANCE RAMP FROM 76TH ST

ENTRANCE RAMP FROM 76TH ST

130+00 132+00 134+00 136+00 138+00 140+00 142+00 144+00

STH 36/LOOMIS RD

R3-2
24"X24"

COVER SOUTH STH 36 SIGN AND ARROW
TRAFFIC CONTROL COVERING SIGNS TYPE II

25'

EXIT RAMP TO 76TH ST

RAWSON AVE

EXIT RAMP TO RAWSON AVE

SOUTH
36
M3-3
24"X12"
M1-6
24"X24"

RAMP CLOSED AHEAD
W20-3A

RAMP CLOSED
R11-2R
48"X30"

USE "TRAFFIC CONTROL COVERING SIGNS TYPE I"
TO COVER "RAWSON AVE"

TEMPORARY PAVEMENT MARKING
LINE REMOVABLE TAPE 6-INCH (WHITE)

RAMP CLOSED
R11-2R
48"X30"

END ROAD WORK
G20-2A
48"X24"

CLOSE EXIT RAMP. SEE SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE" AND
RAWSON AVE RAMP DETAILS FOR ADDITIONAL
INFORMATION AND ALL DEVICES REQUIRED.

DURING CURB RAMP CONSTRUCTION UTILIZE RAWSON AVE TURN LANE
AND SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
FOR PEDESTRIAN ROUTE AND ALL TEMPORARY ITEMS REQUIRED. TEMPORARY
ITEMS ARE NOTED IN MISCELLANEOUS QUANTITIES PER LOCATION.

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SD
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED
NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WIT
SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FO
SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAG
FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL
INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A AND 1C - RAWSON AVE RAMPS DETAIL	SHEET 154	E

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

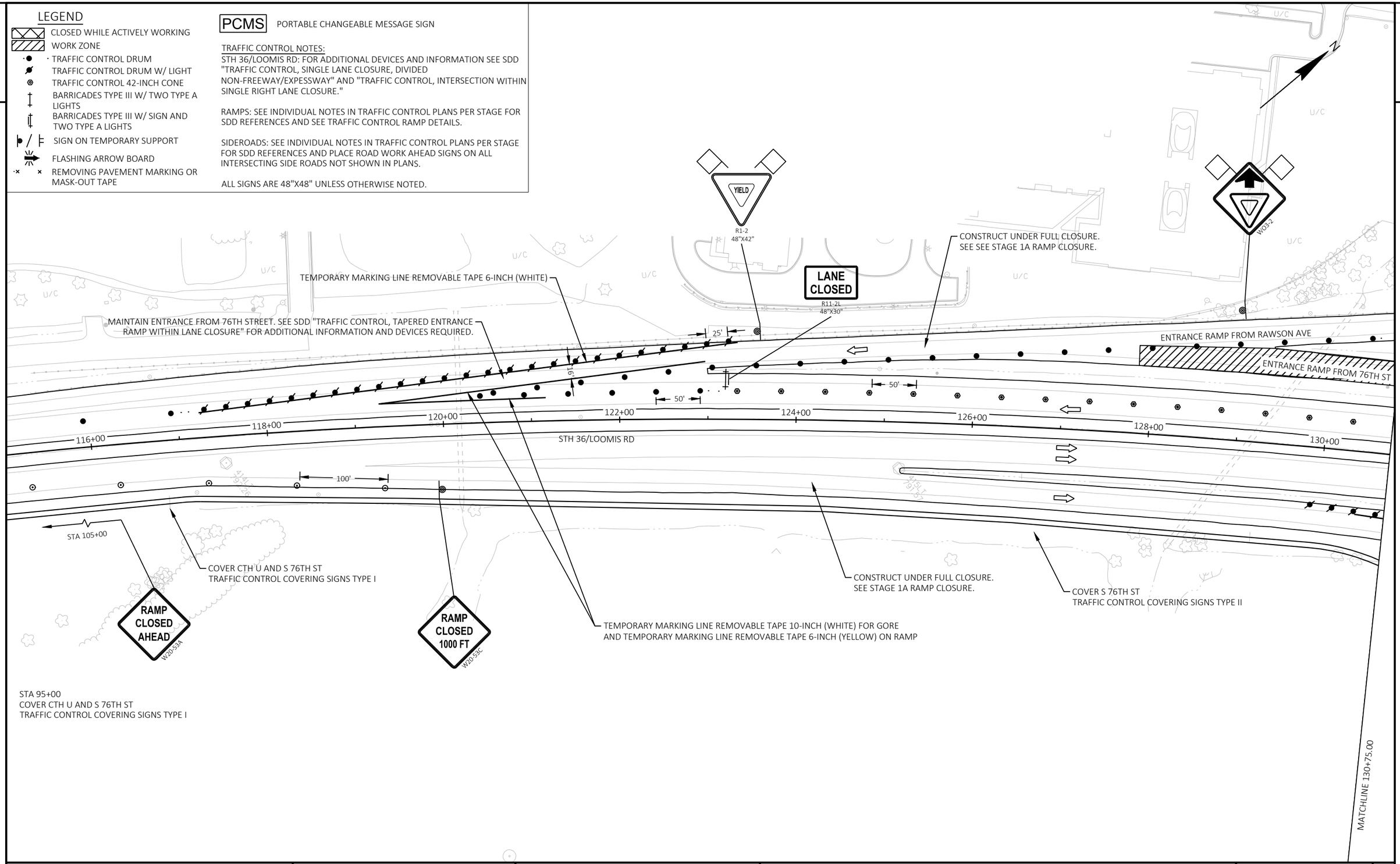
TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

2



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A1 AND 1C1 - 76TH ST RAMP DETAIL	SHEET 155	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A1.DWG
LAYOUT NAME - 05
PLOT DATE : 10/30/2023 1:31 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

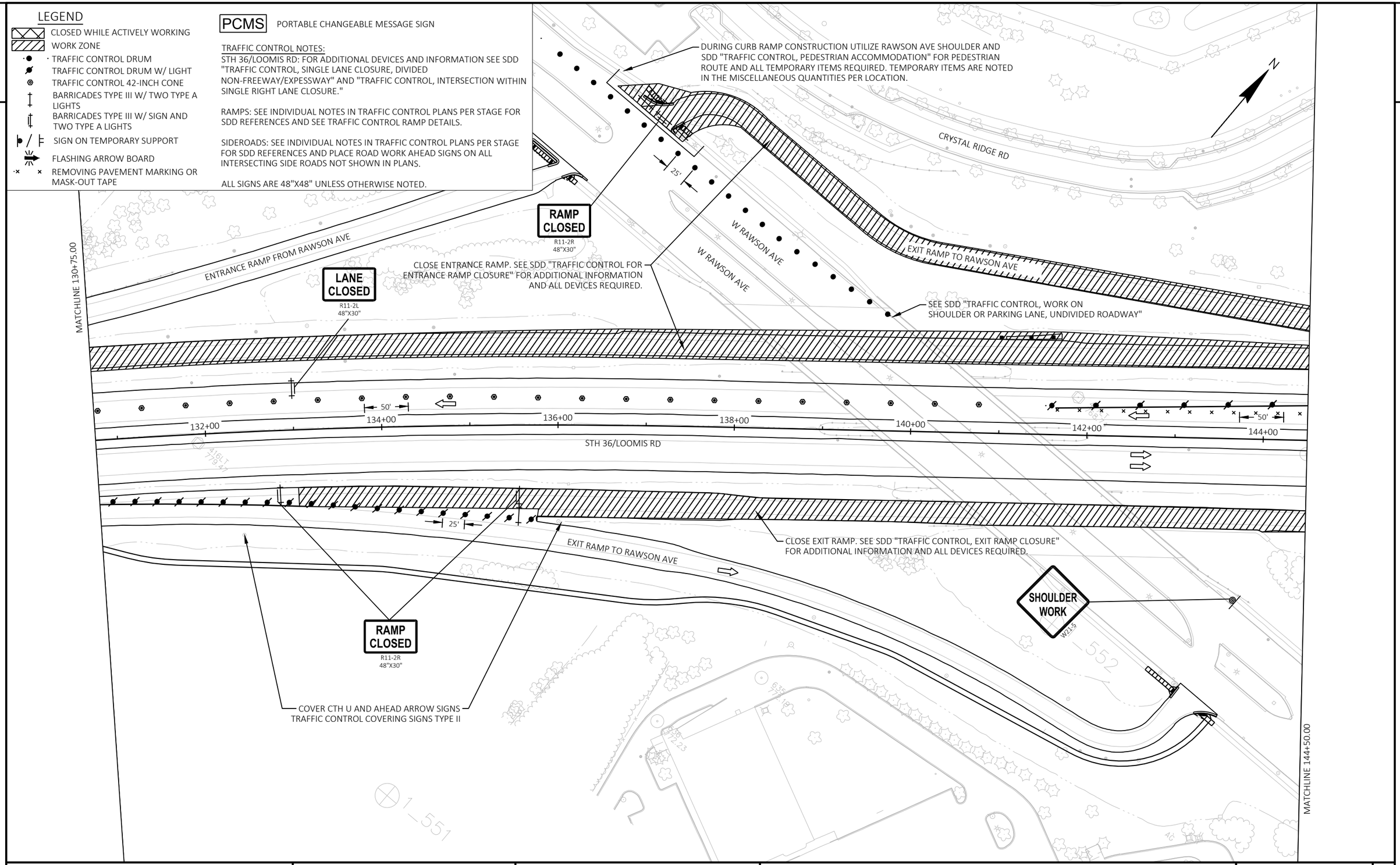
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A1 AND 1C1 - 76TH ST RAMP DETAIL	SHEET 156	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A1.DWG
LAYOUT NAME - 06
PLOT DATE : 10/30/2023 1:31 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

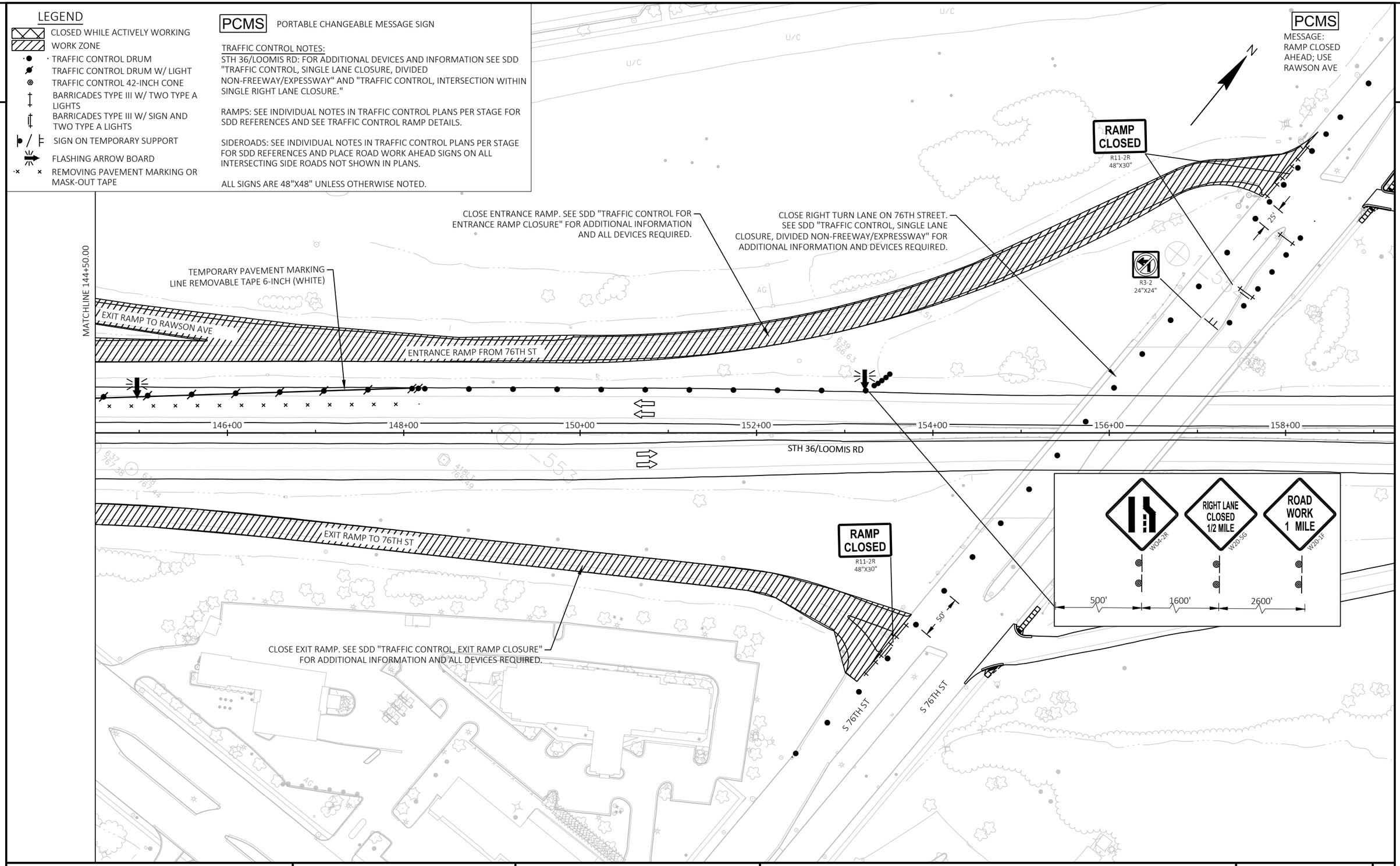
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A1 AND 1C1 - 76TH ST RAMP DETAIL	SHEET 157	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A1.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2023 1:31 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

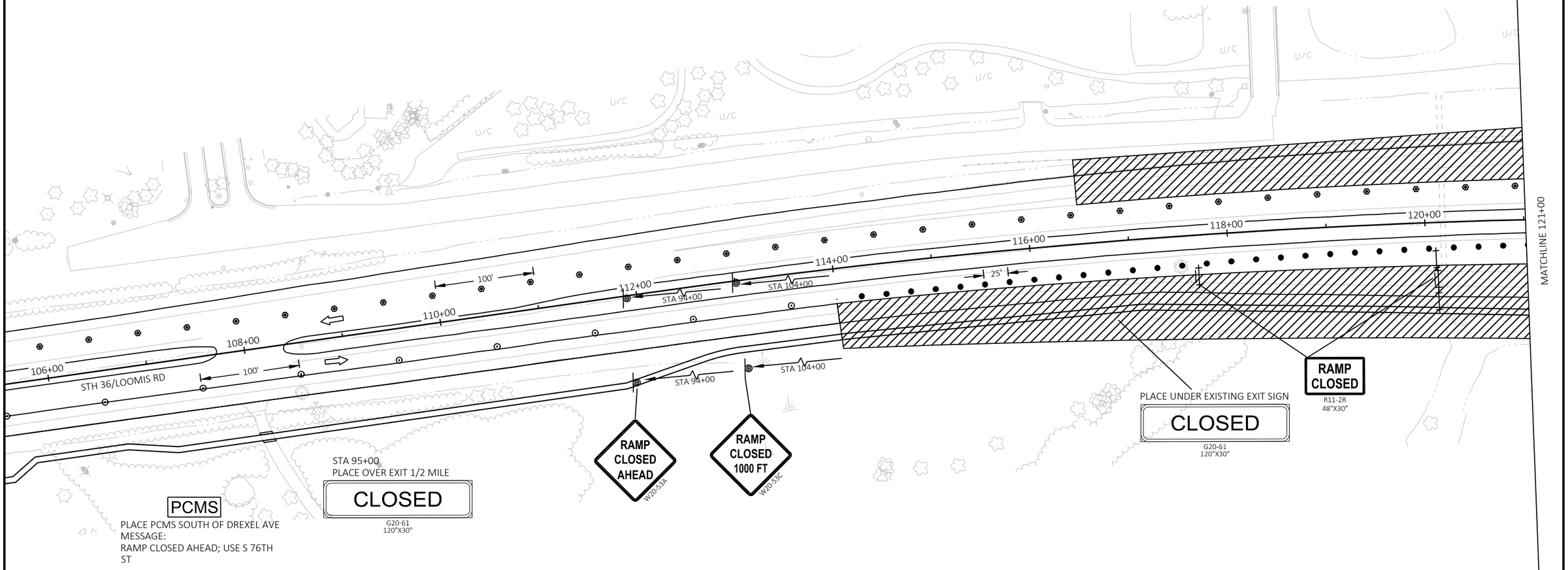
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1 FULL RAMP CLOSURE DETAIL	SHEET 158	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A-RAMPCLOSURES.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:33 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

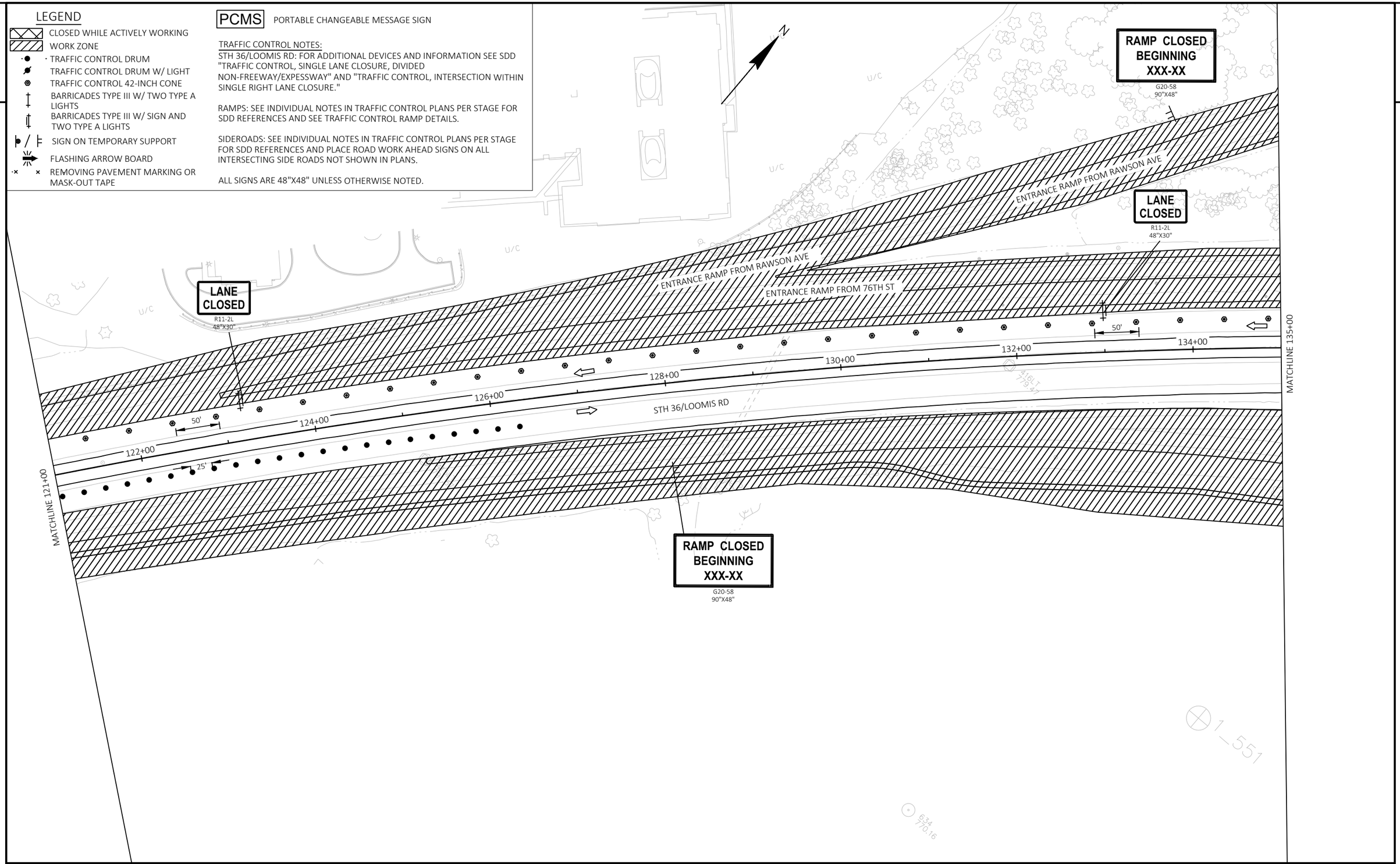
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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RAMP CLOSED BEGINNING XXX-XX
G20-58
90"X48"
LANE CLOSED
R11-2L
48"X30"
ENTRANCE RAMP FROM RAWSON AVE
ENTRANCE RAMP FROM 76TH ST
LANE CLOSED
R11-2L
48"X30"
50'
134+00
132+00
130+00
128+00
126+00
124+00
122+00
25'
STH 36/LOOMIS RD
MATCHLINE 135+00
MATCHLINE 121+00
RAMP CLOSED BEGINNING XXX-XX
G20-58
90"X48"
U/C
I-94
I-894
I-41
I-43
I-894
I-41
I-43
I-94
I-894
I-41
I-43
I-94
I-894
I-41
I-43
I-94

2

N

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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DETAIL FOR WEST OF STH 36 SB ENTRANCE RAMP

SOUTH 36 M3-3 24"X12" M1-6 24"X24"
RAMP CLOSED AHEAD W20-53A

W RAWSON AVE

CRYSTAL RIDGE RD

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" AND SDD "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE"

RAMP CLOSED R11-2R 48"X30"

S BALLPARK DR

25'

R3-1 24"X24"

U/C

CRYSTAL RIDGE RD

RAMP CLOSED R11-2R 48"X30"

W RAWSON AVE

EXIT RAMP TO RAWSON AVE

ENTRANCE RAMP FROM 76TH ST

MATCHLINE 135+00

50'

136+00 138+00 140+00 142+00 144+00 146+00 148+00

STH 36/LOOMIS RD

R3-2 24"X24"

EXIT RAMP TO 76TH ST

EXIT RAMP TO RAWSON AVE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1 FULL RAMP CLOSURE DETAIL	SHEET 160	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A-RAMPCLOSURES.DWG
LAYOUT NAME - 07
PLOT DATE : 10/30/2023 1:33 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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DETAIL FOR SOUTH OF STH 36 SB/RAWSON AVE ENTRANCE RAMP

S 76TH ST

S 76TH ST

RAMP CLOSED
R11-2R
48"X30"

M3-3
24"X12"

SOUTH
36
M1-6
24"X24"

RAMP CLOSED AHEAD
W20-53A

ENTRANCE RAMP FROM

156+00

158+00

25'

R3-2
24"X24"

RAMP CLOSED
R11-2R
48"X30"

R3-1
24"X24"

SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" AND SDD "TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE"

156+00

25'

S 76TH ST

R3-2
24"X24"

RAMP CLOSED
R11-2R
48"X30"

RAMP CLOSED
R11-2R
48"X30"

M3-3
24"X12"

SOUTH
36
M1-6
24"X24"

RAMP CLOSED AHEAD
W20-53A

781.96

158+00

160+00

162+00

OLD LOOMIS RD

I-555



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1 FULL RAMP CLOSURE DETAIL	SHEET 161	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1A-RAMPCLOSURES.DWG
LAYOUT NAME - 08
PLOT DATE : 10/30/2023 1:33 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

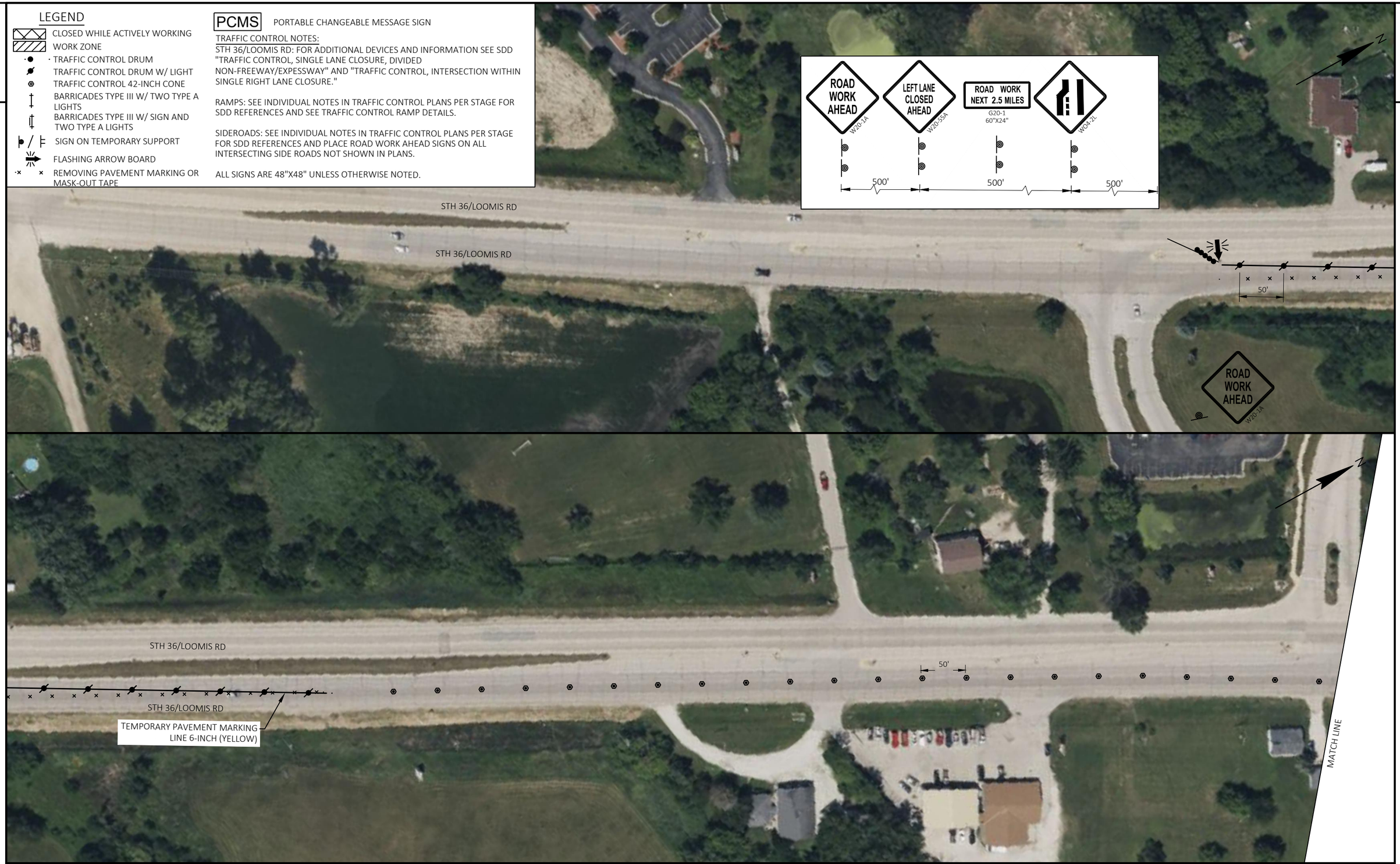
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 162	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 00

PLOT DATE : 10/30/2023 1:34 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

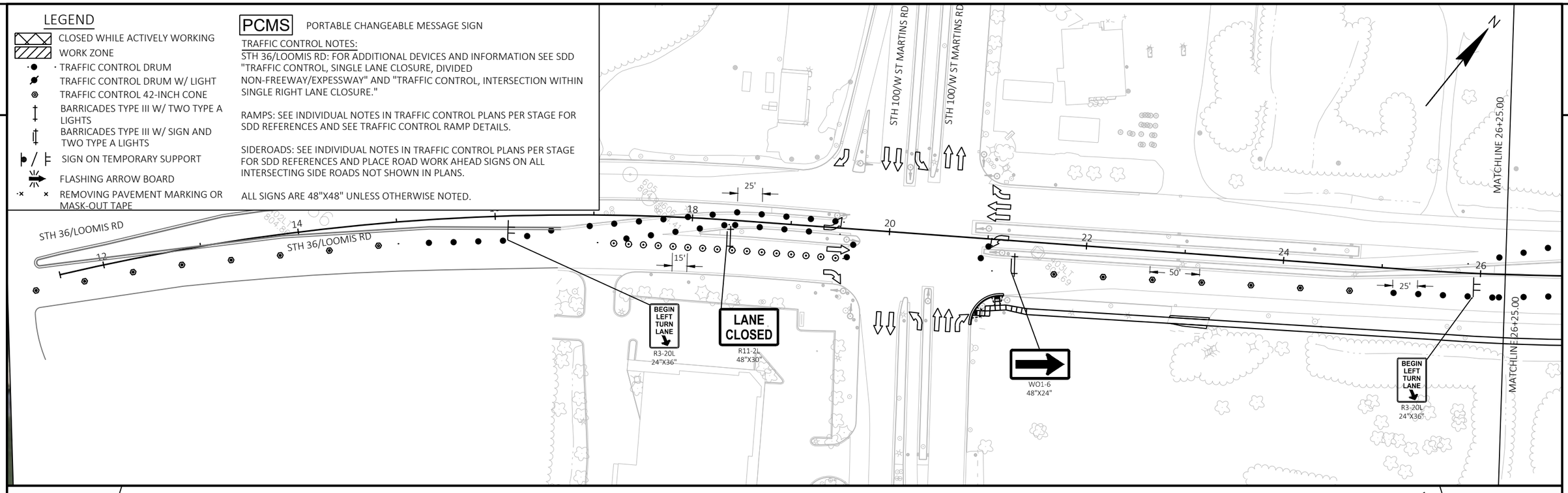
TRAFFIC CONTROL NOTES:

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 163	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2023 1:35 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

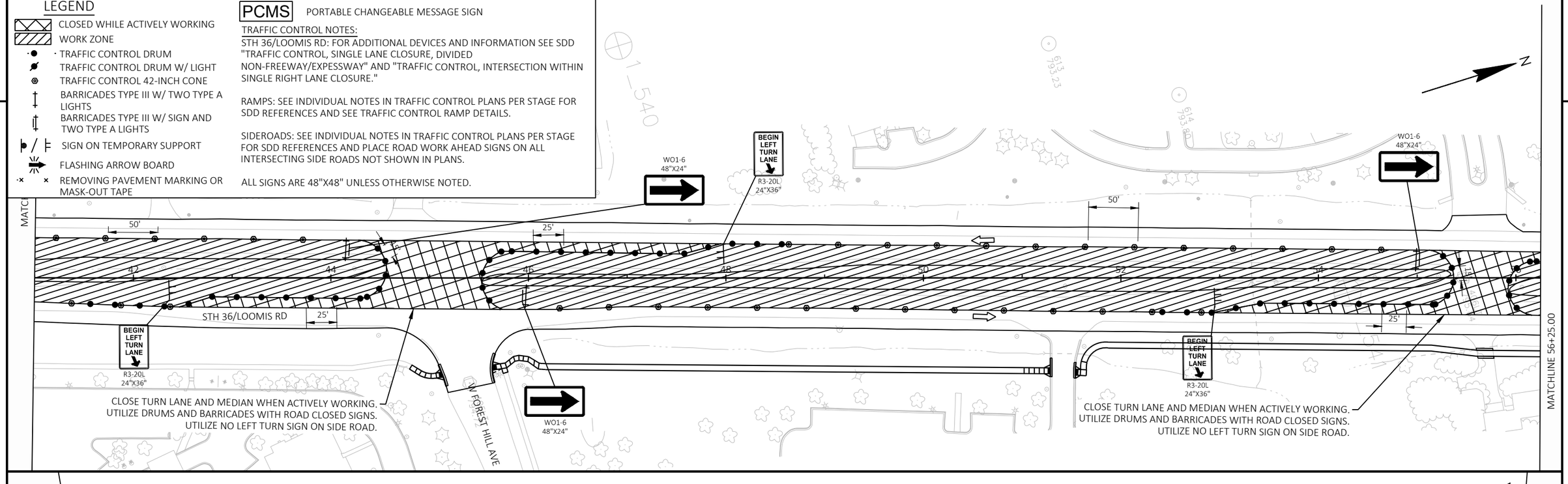
TRAFFIC CONTROL NOTES:

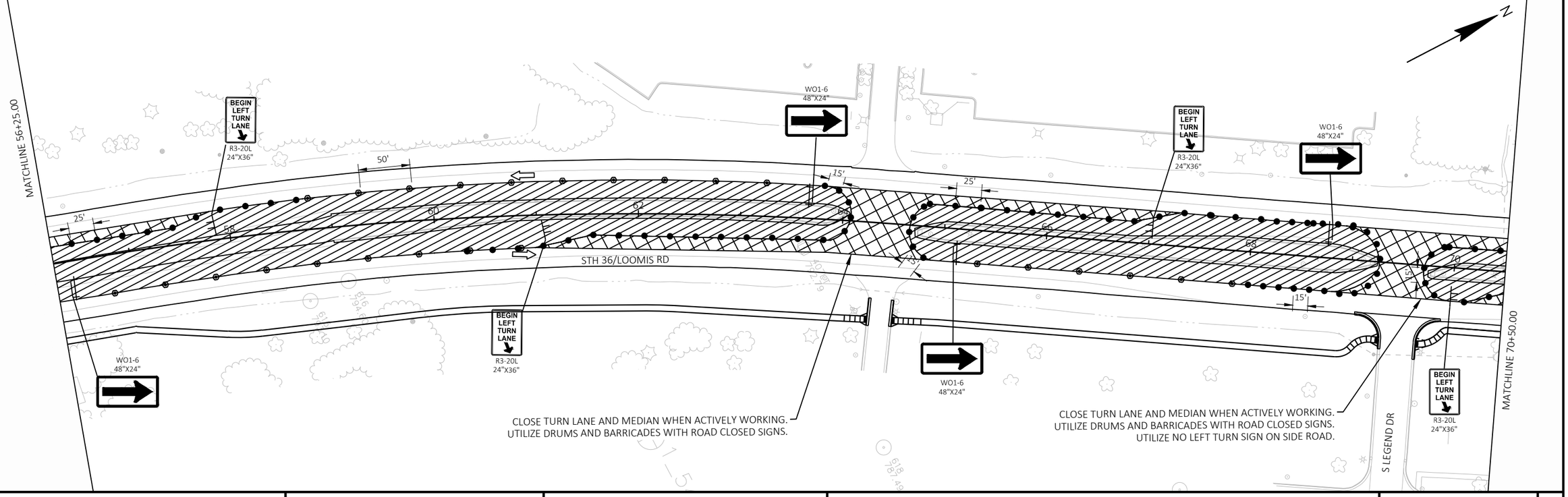
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 164	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 02
PLOT DATE : 10/30/2023 1:35 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

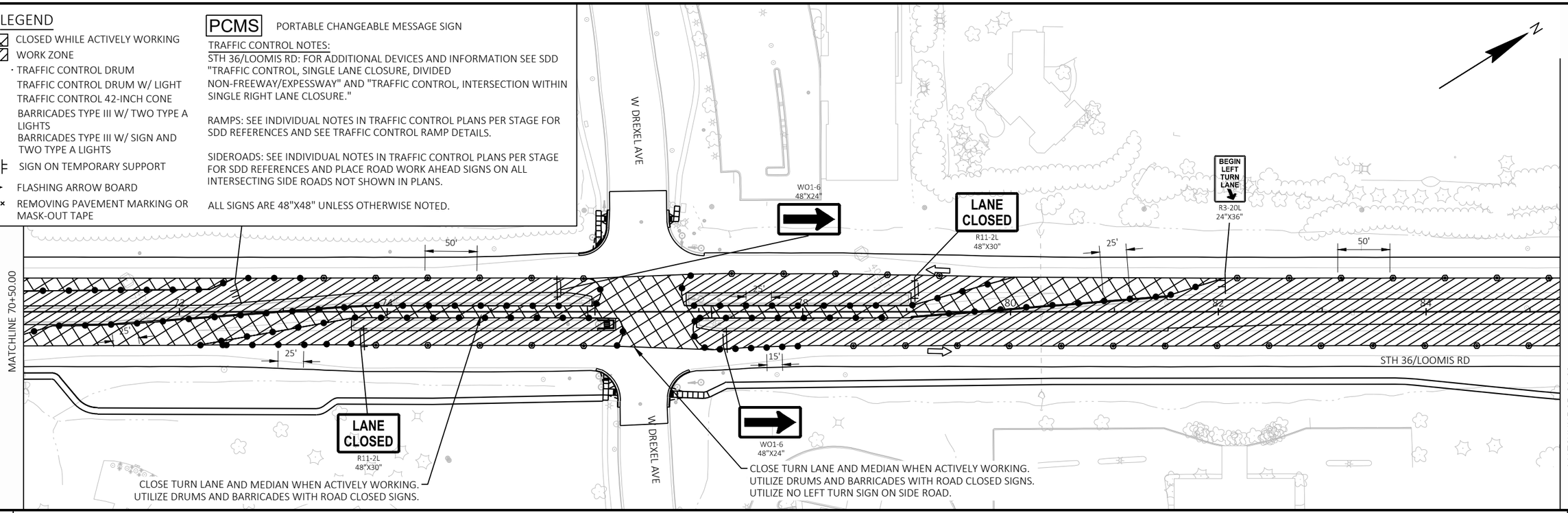
TRAFFIC CONTROL NOTES:

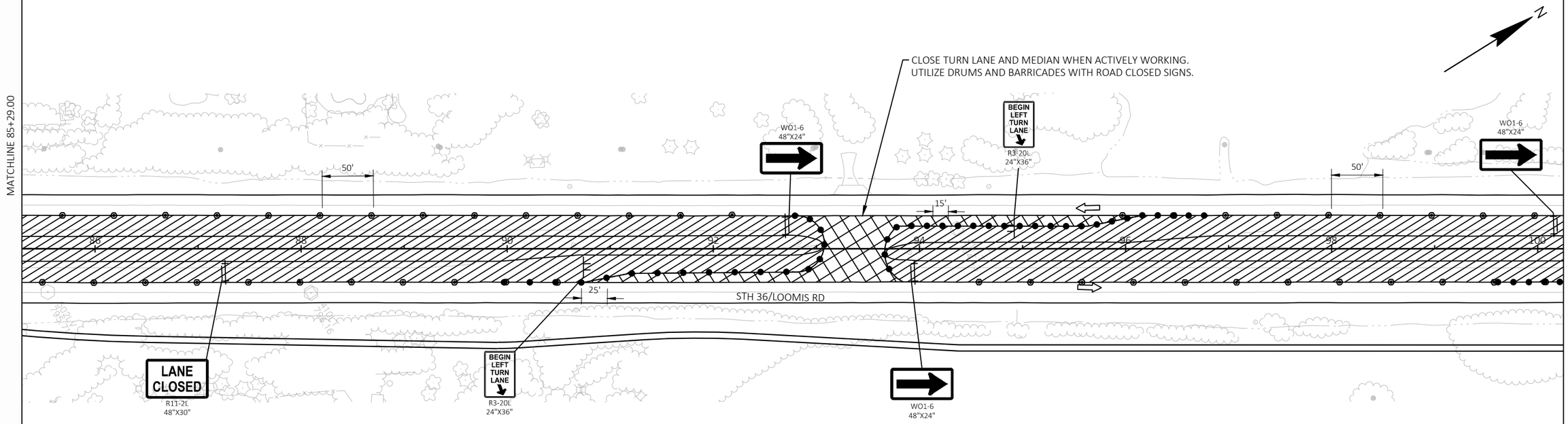
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 165	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:36 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

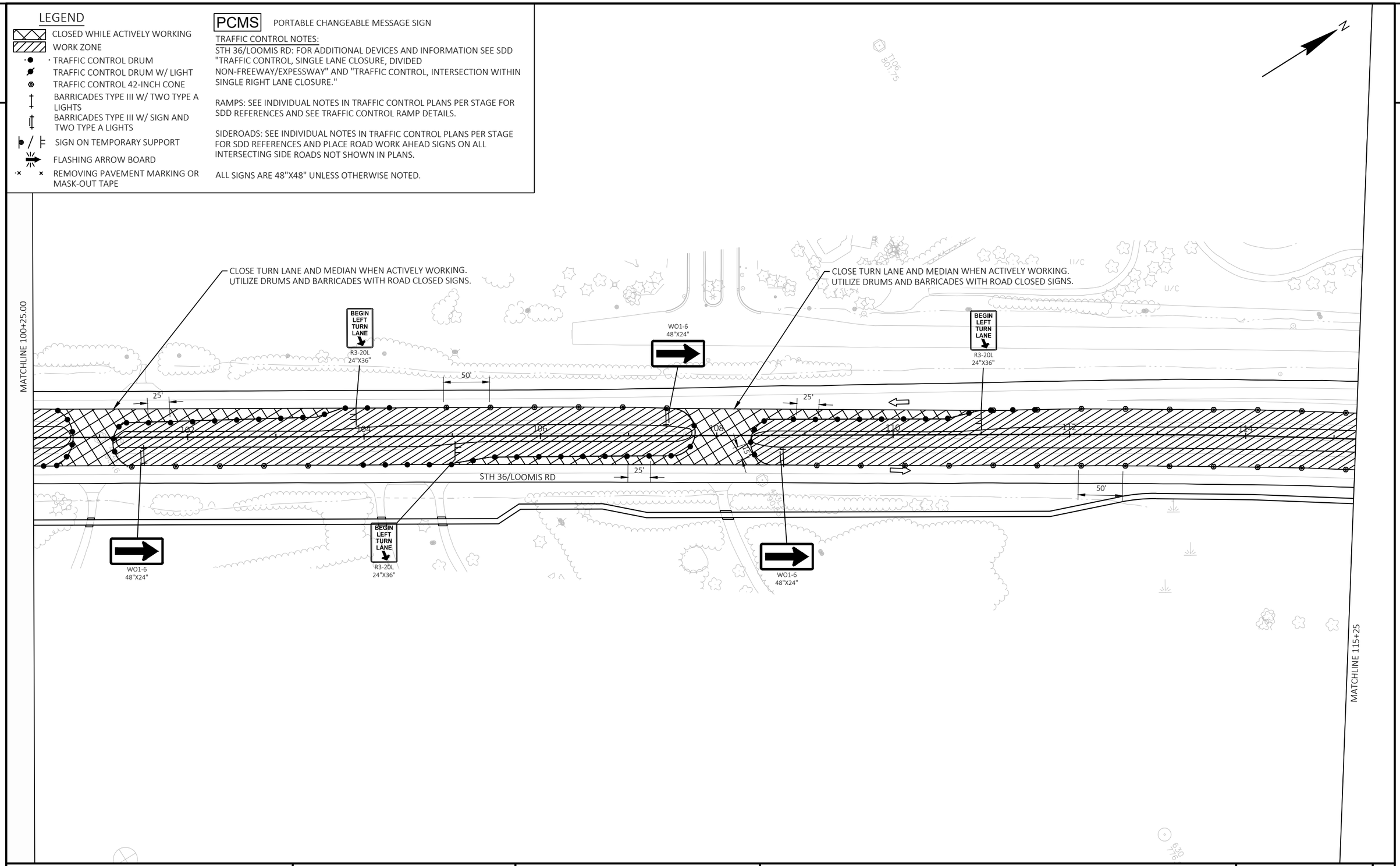
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 166	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 04
PLOT DATE : 10/30/2023 1:36 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

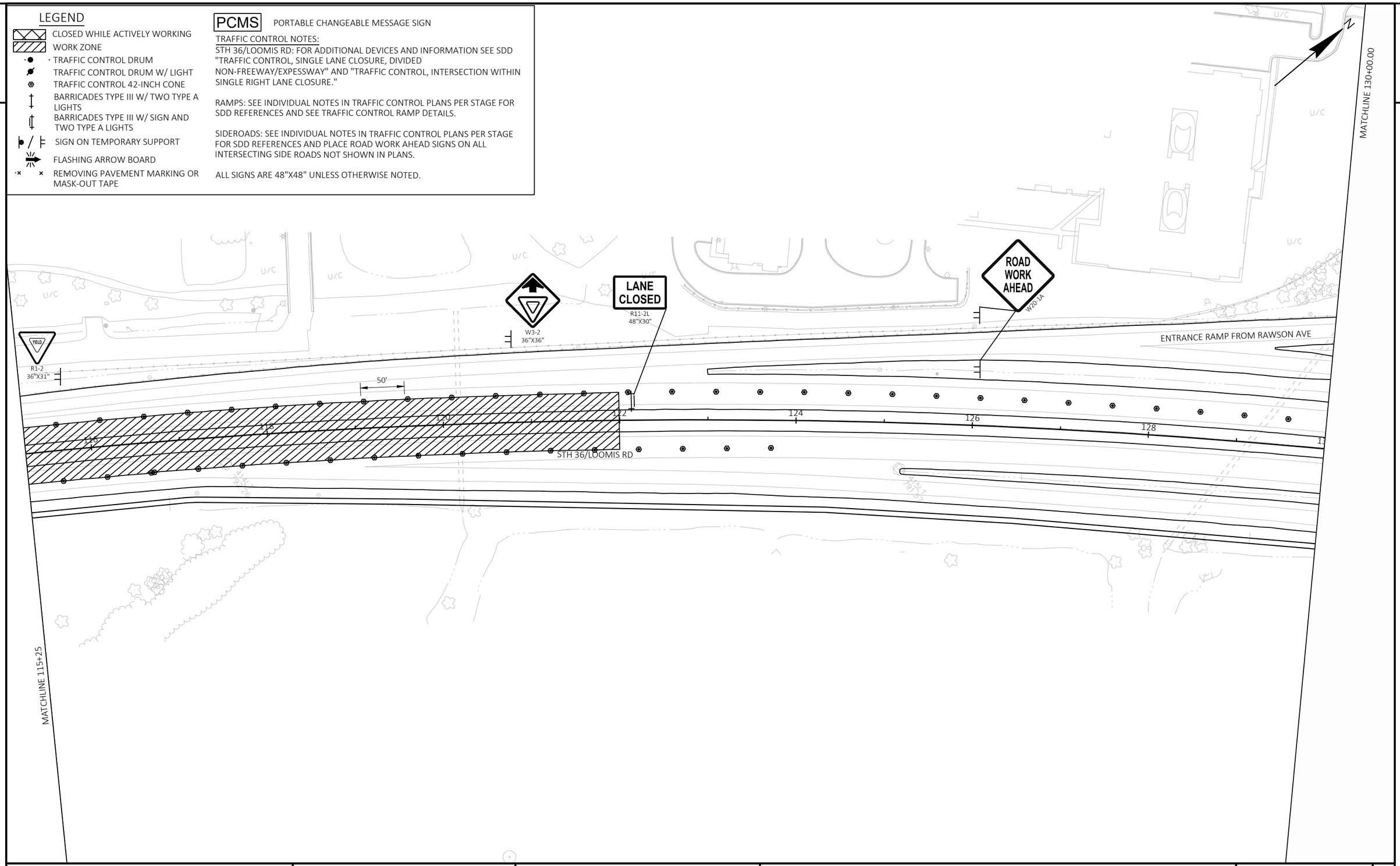
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 167	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:36 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

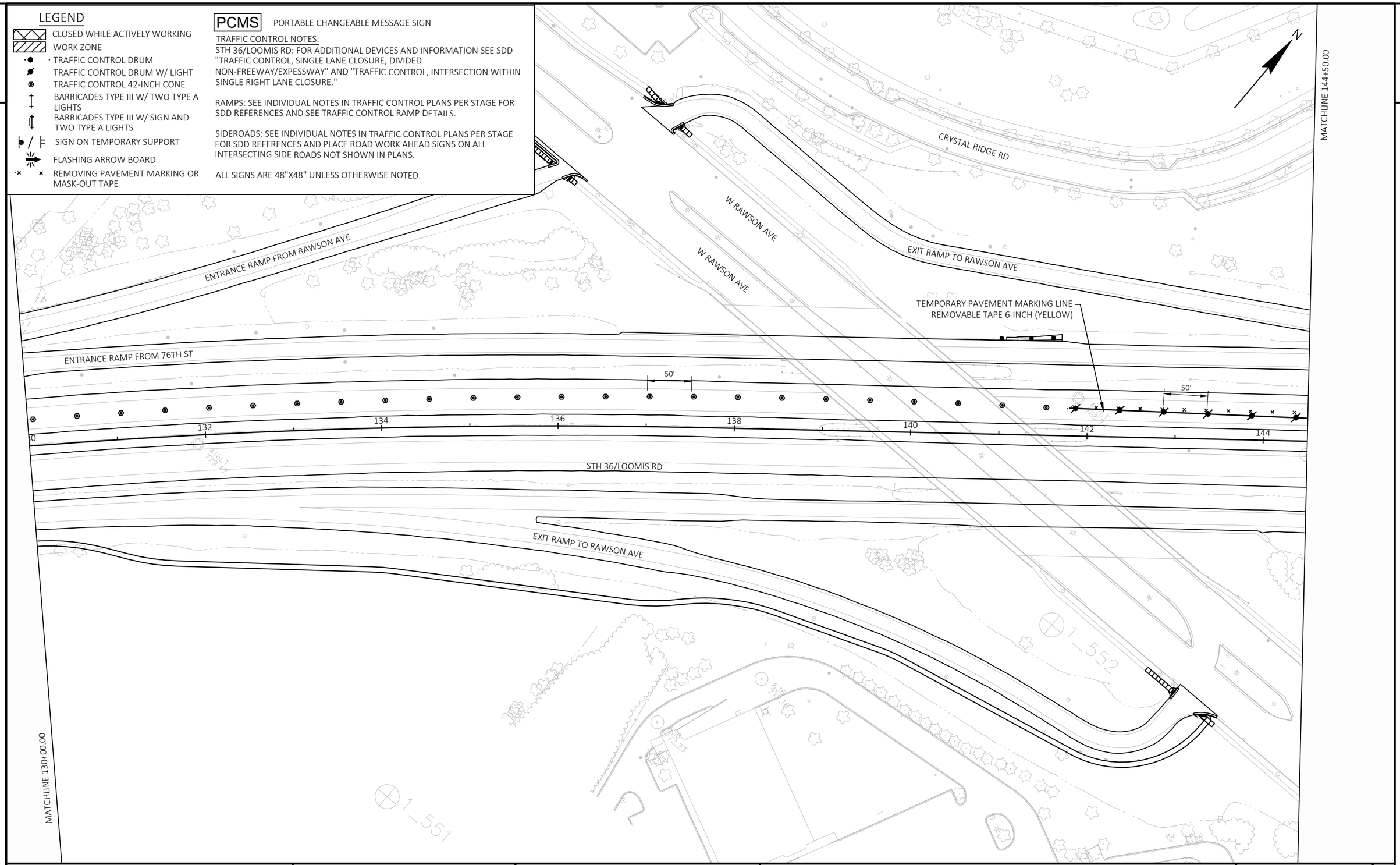
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 168	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2023 1:37 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

CRYSTAL RIDGE RD

U/C

EXIT RAMP TO RAWSON AVE

ENTRANCE RAMP FROM 76TH ST

146 148 150 152 154 156 158

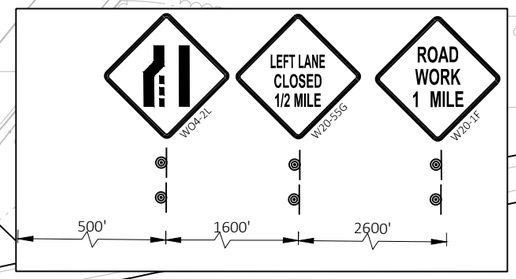
STH 36/LOOMIS RD

EXIT RAMP TO 76TH ST

S 76TH ST

S 76TH ST

MATCHLINE 144+50.00



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1B	SHEET 169	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S1B.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2023 1:37 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

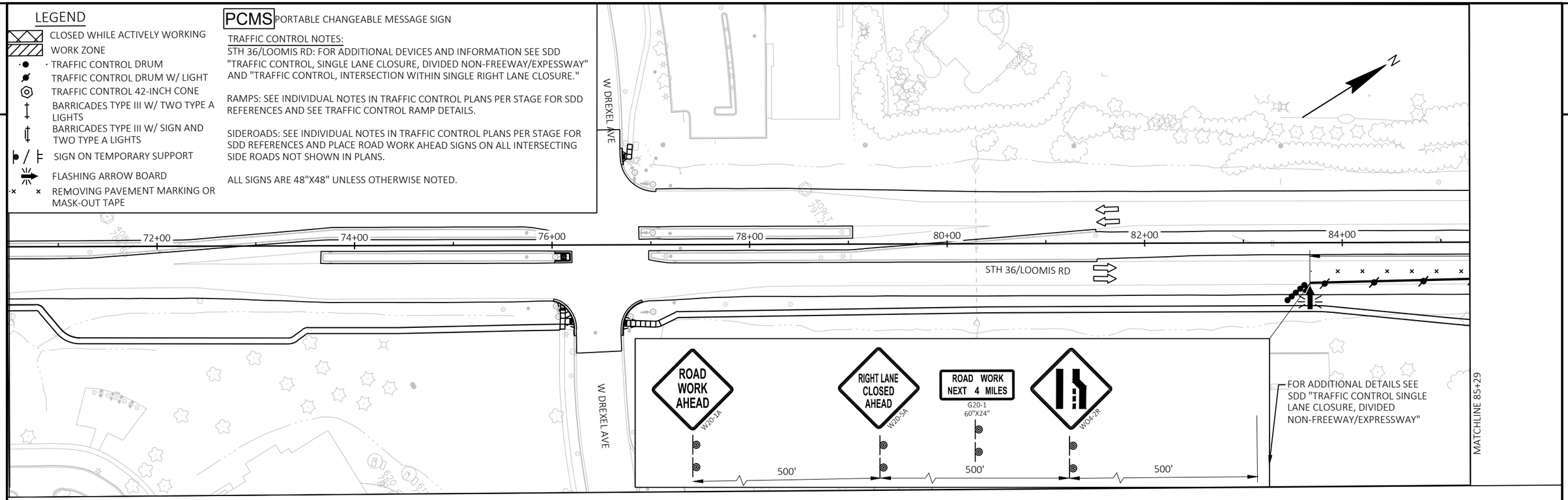
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 170	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:38 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

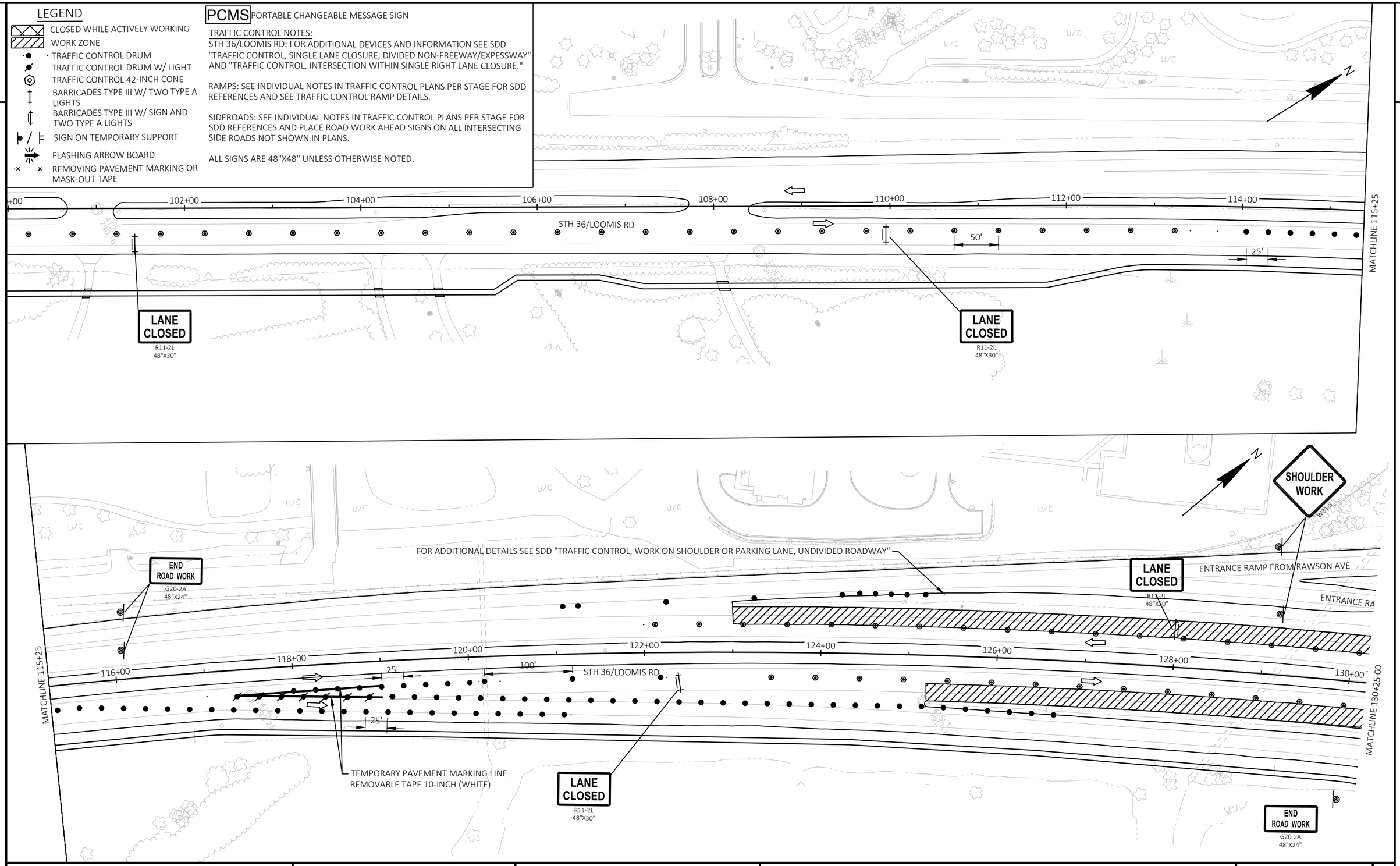
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 171	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 04
PLOT DATE : 10/30/2023 1:39 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

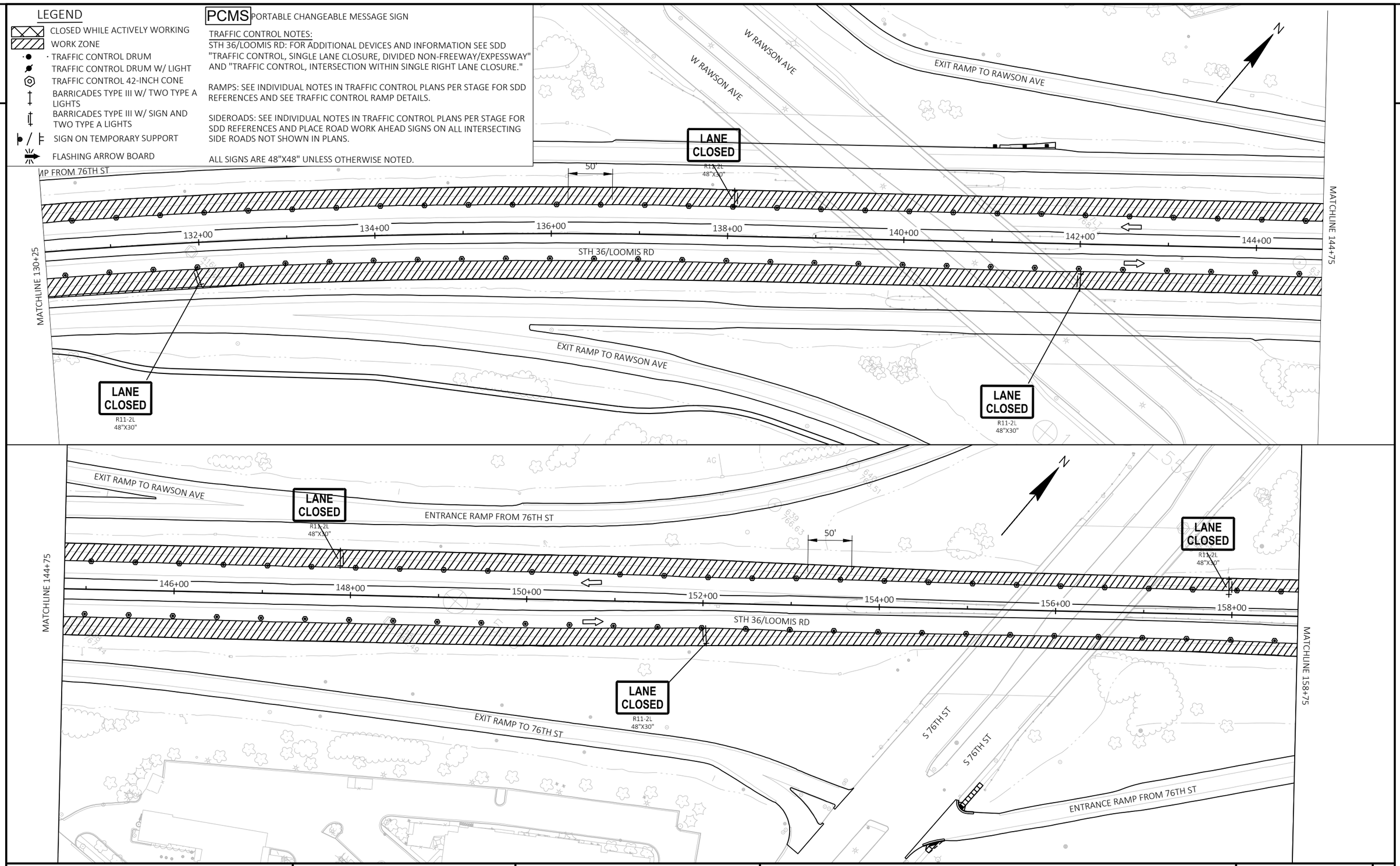
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 172	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:39 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ############

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

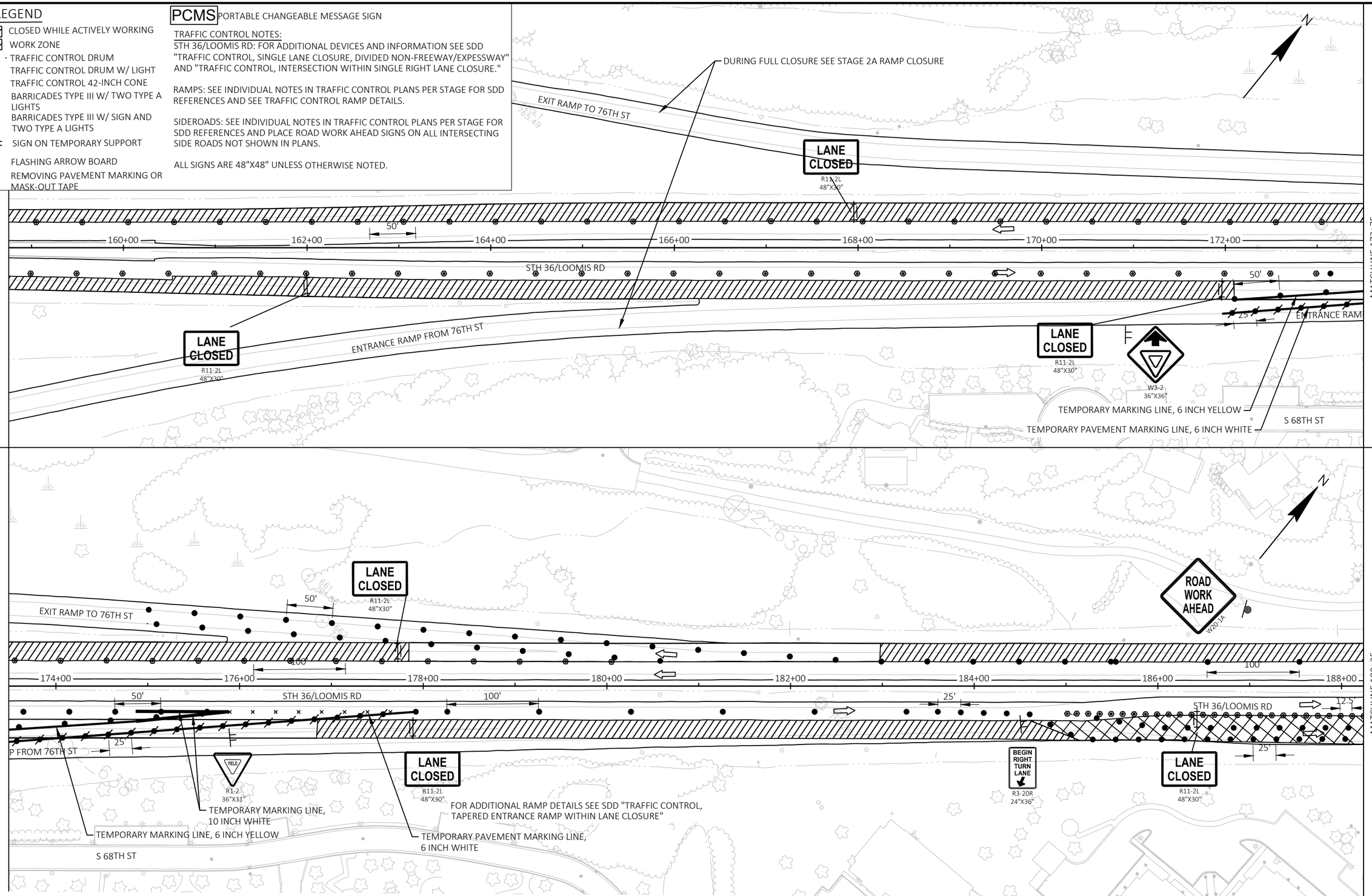
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 173	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2023 1:40 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

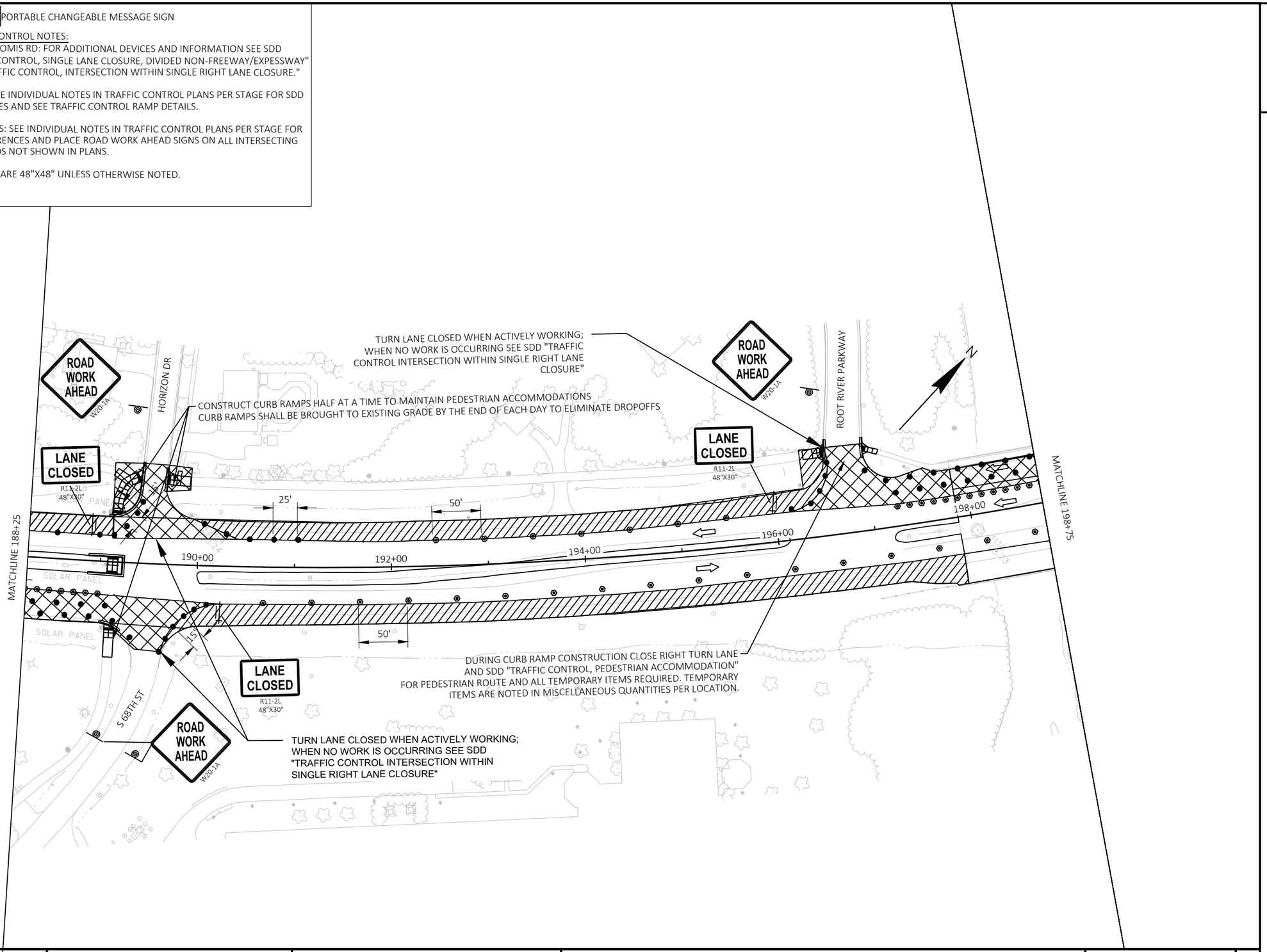
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

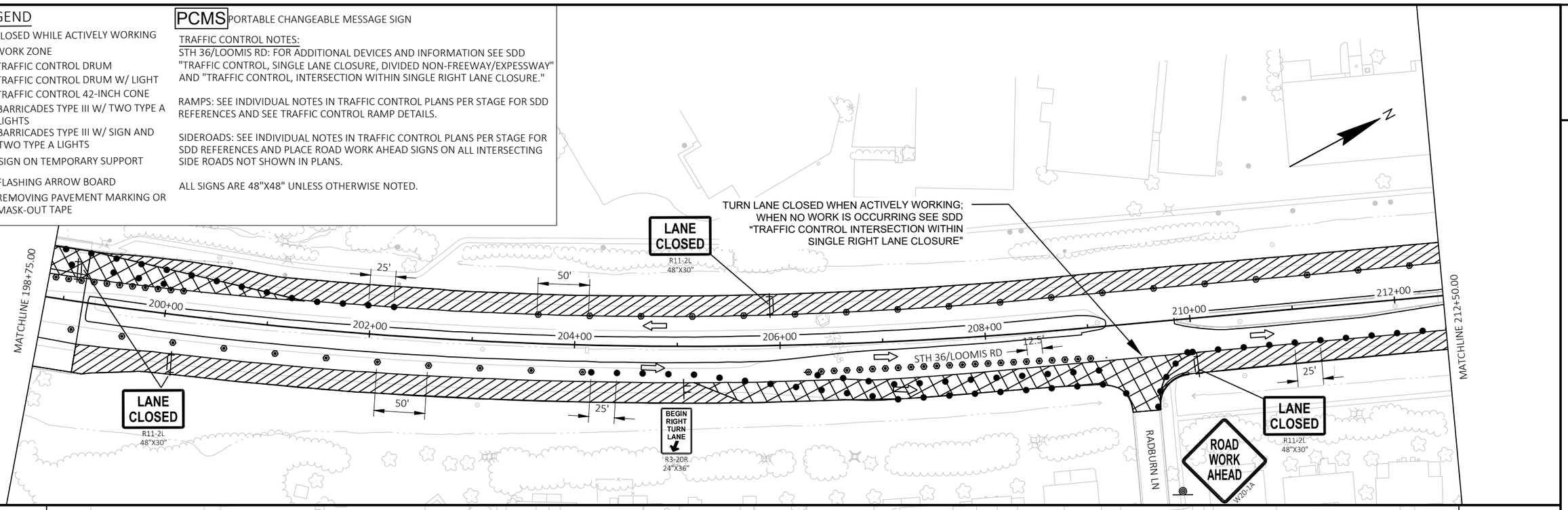
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 175 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 08
PLOT DATE : 10/30/2023 1:41 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

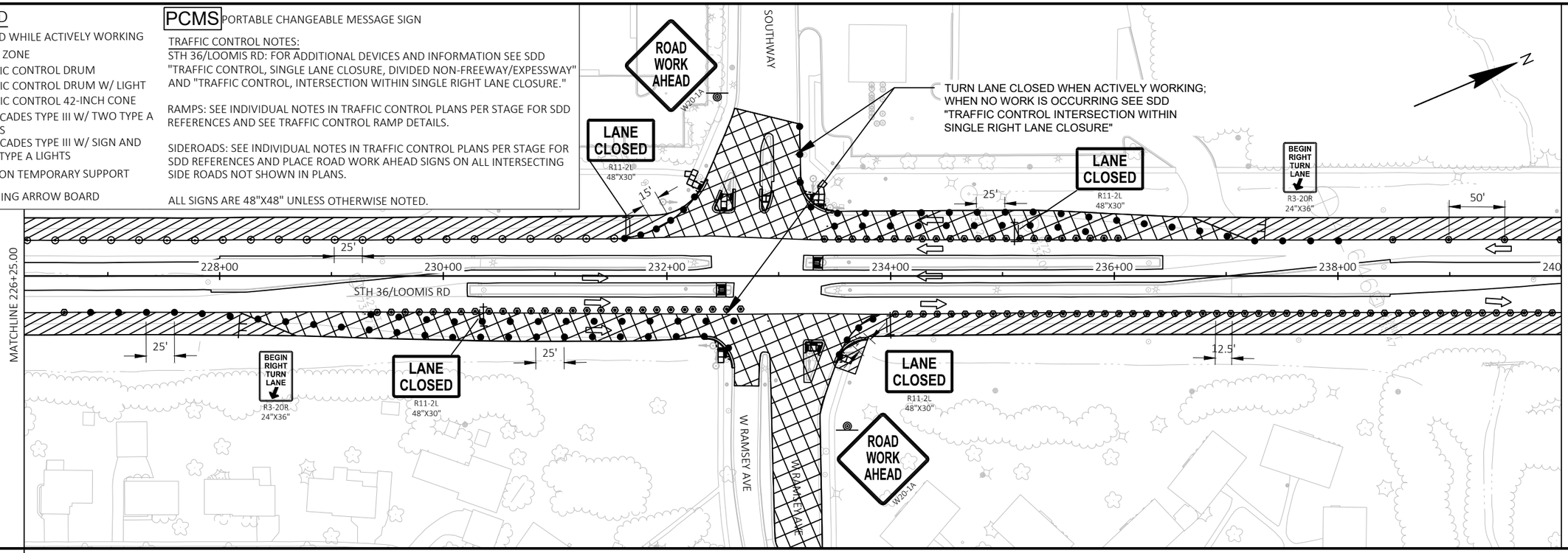
TRAFFIC CONTROL NOTES:

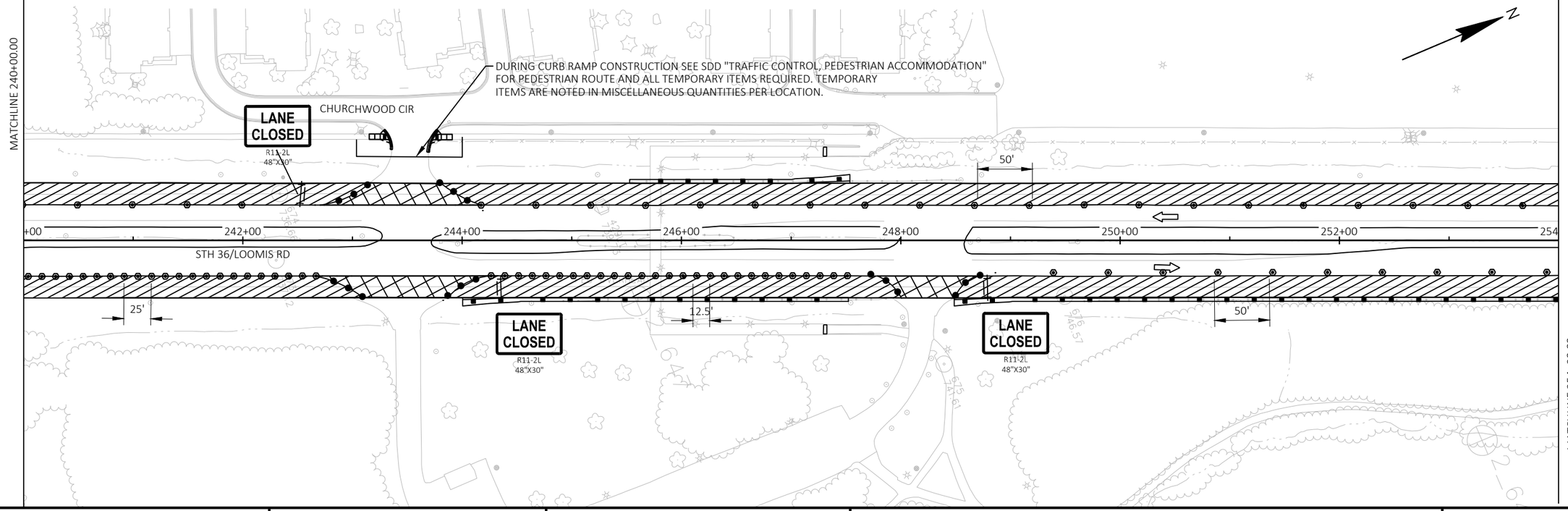
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 176	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 09
PLOT DATE : 10/30/2023 1:41 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

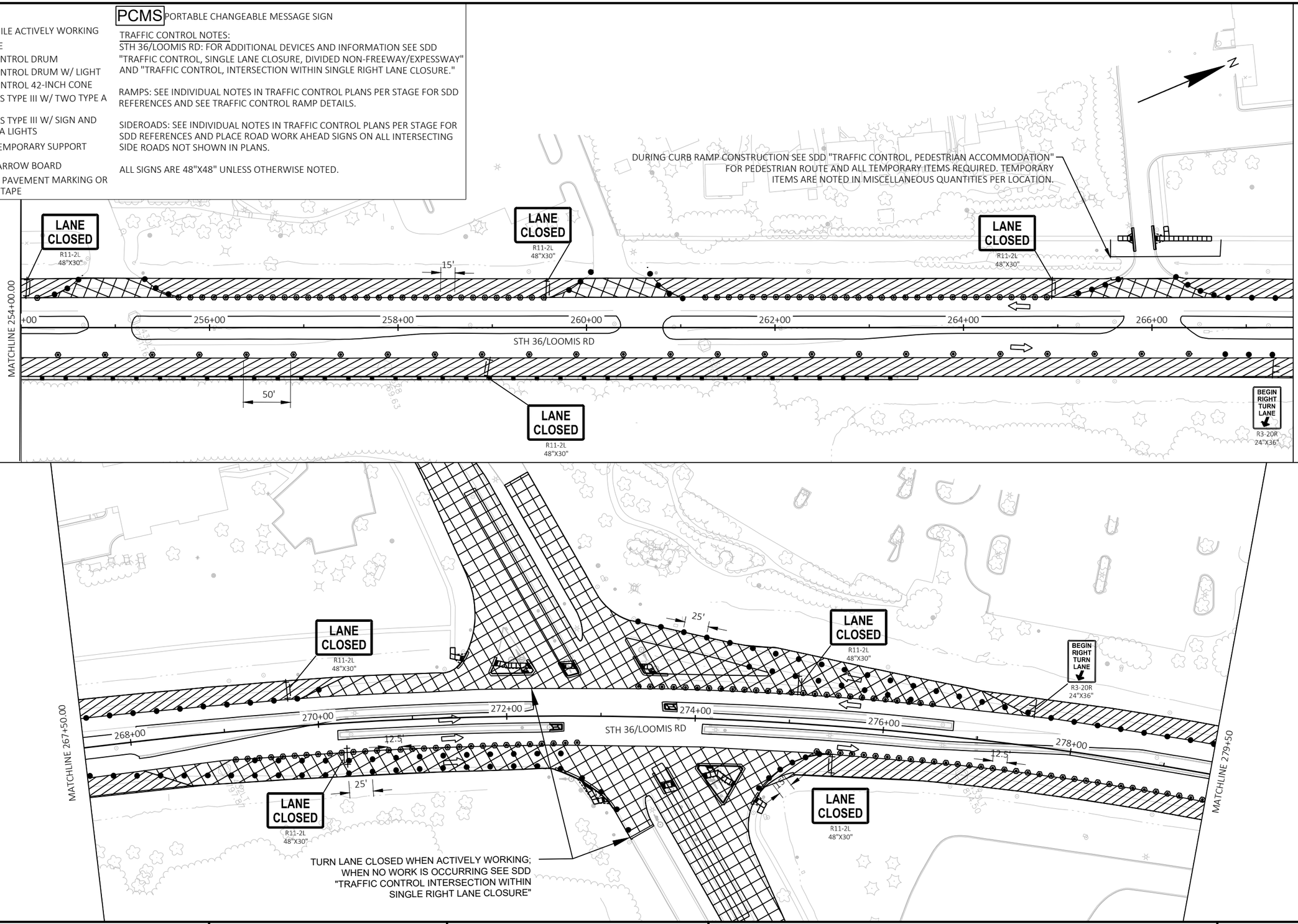
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 177	E

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

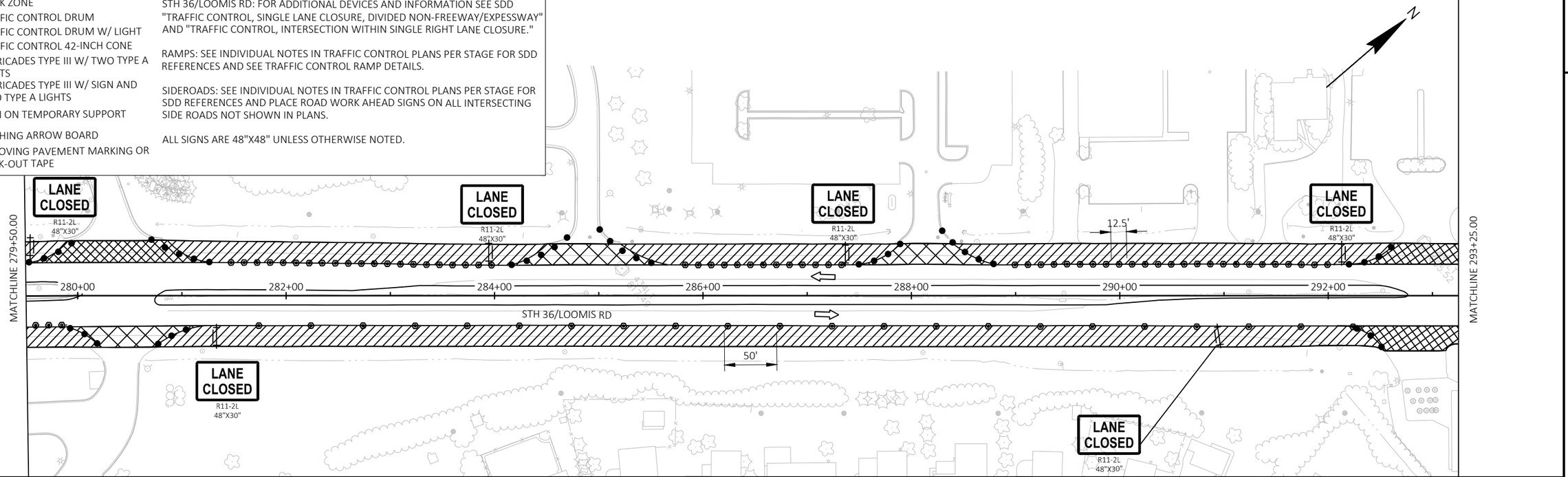
TRAFFIC CONTROL NOTES:

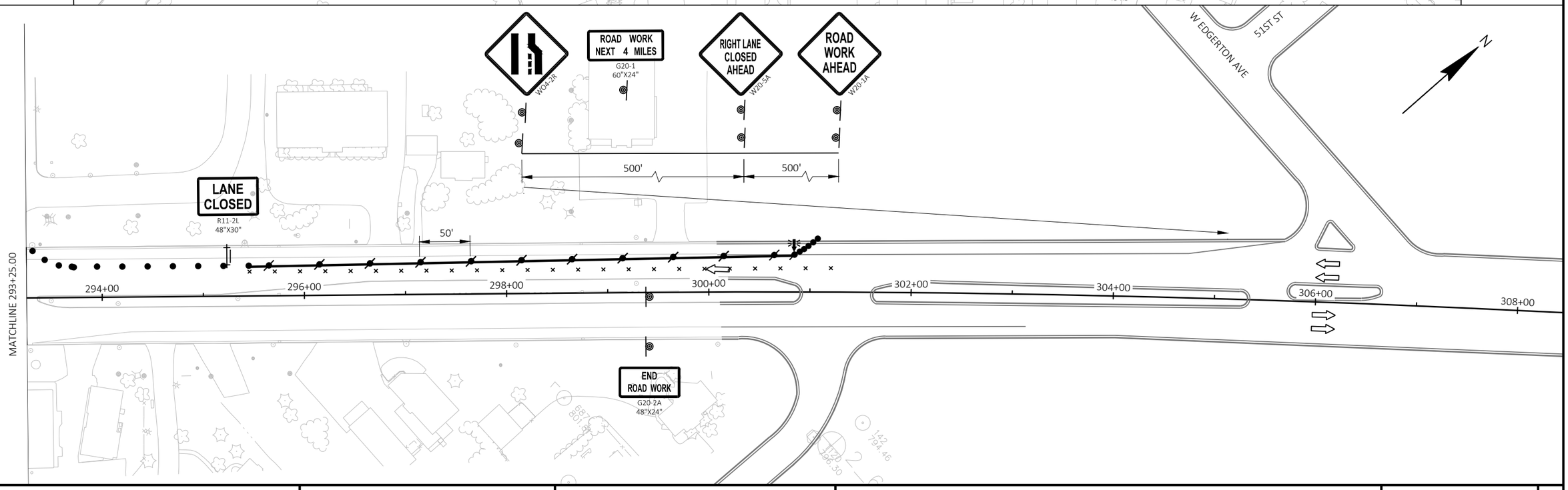
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A AND 2C	SHEET 178	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 11
PLOT DATE : 10/30/2023 1:42 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

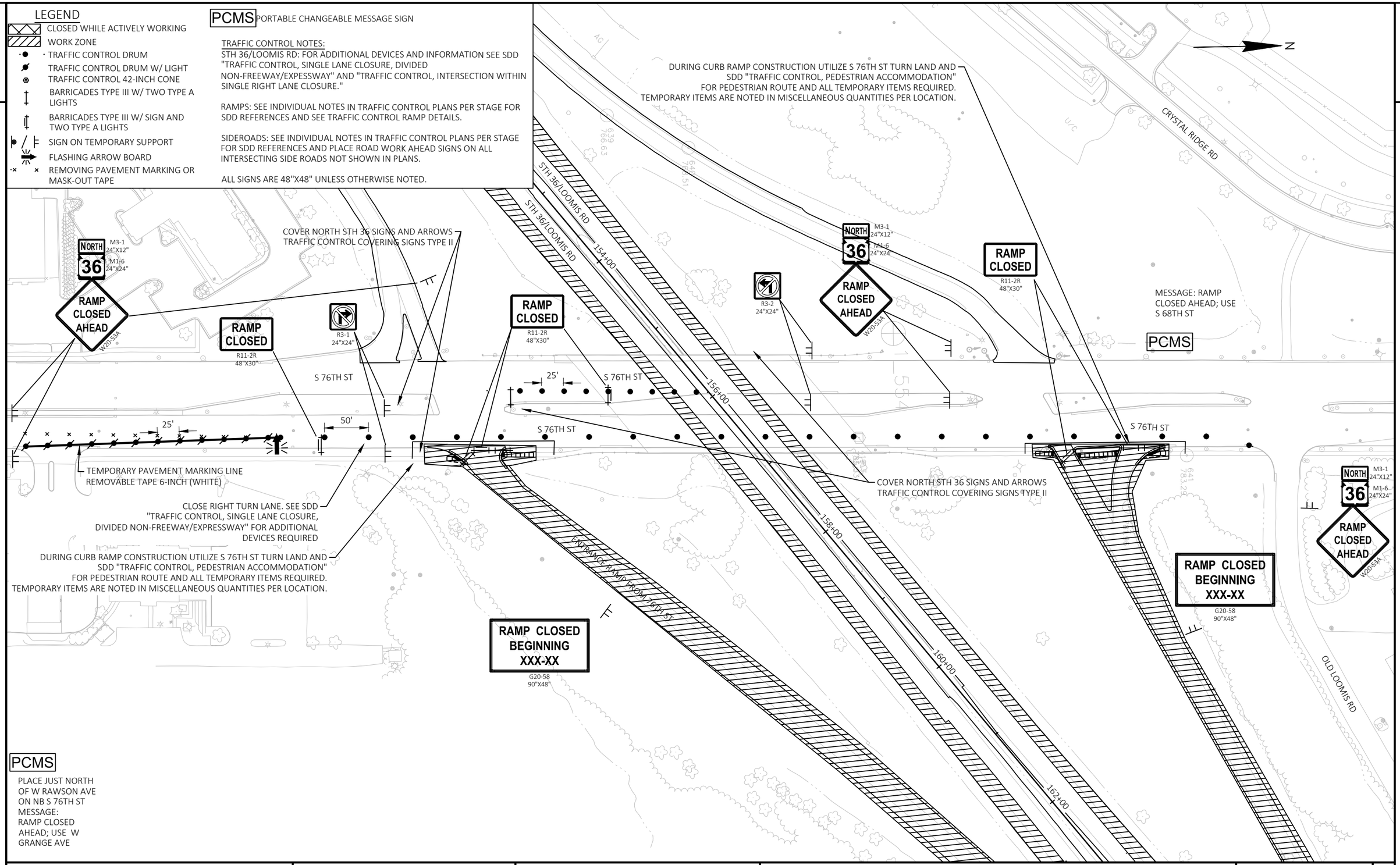
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A RAMP CLOSURE	SHEET 179	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2A-RAMPCLOSURES.DWG
LAYOUT NAME - 05
PLOT DATE : 10/30/2023 1:43 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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2

EXIT RAMP TO 76TH ST

100'

12.5'

164+00 166+00 168+00 170+00 172+00 174+00 176+00 178

STH 36/LOOMIS RD

ENTRANCE RAMP FROM 76TH ST

ENTRANCE RAMP FROM 76TH ST

STA 191+00 STA 206+00

PLACE BELOW EXIT SIGN
USE "TRAFFIC CONTROL COVERING SIGNS TYPE I" TO COVER DIAGONAL ARROW

RAMP CLOSED
R11-2R
48"X30"

CLOSED
G20-60
108"X24"

RAMP CLOSED 1000 FT
W20-53C

RAMP CLOSED AHEAD
W20-53A

PLACE OVER MESSAGE "NEXT RIGHT"

CLOSED
G20-60
108"X24"

HORIZON DR

PLACE NORTH OF W GRANGE AVE
MESSAGE:
RAMP CLOSED
AHEAD; USE S 76TH ST

PCMS

SOLAR PANEL

12.5'

+00 178+00 180+00 182+00 184+00 186+00 188+00 190+00

STH 36/LOOMIS RD

50'

STH 36/LOOMIS RD

LANE CLOSED
R11-2L

LANE CLOSED
R11-2L
48"X30"

FOR ADDITIONAL RAMP DETAILS SEE SDD "TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE"

CONSTRUCT CURB RAMPS HALF AT A TIME TO MAINTAIN PEDESTRIAN ACCOMMODATIONS
CURB RAMPS SHALL BE BROUGHT TO EXISTING GRADE BY THE END OF EACH DAY TO ELIMINATE DROPOFFS

S 68TH ST

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A RAMP CLOSURE	SHEET 180	E

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

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MATCHLINE 70+50.00

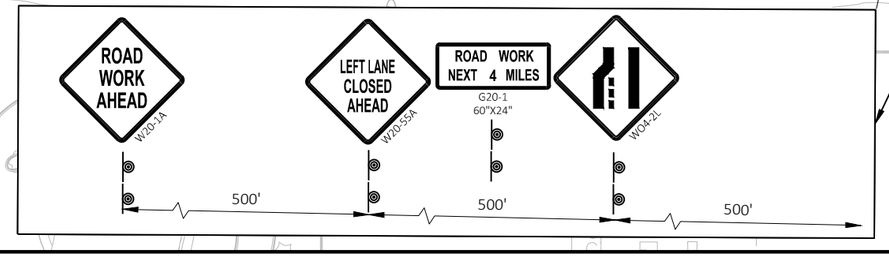
W DREXEL AVE

72 74 76 78 80 82 84

STH 36/LOOMIS RD

W DREXEL AVE

MATCHLINE 85+29.00



FOR ADDITIONAL DETAILS SEE SDD "TRAFFIC CONTROL SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

MATCHLINE 85+29.00

540'

86 88 90 92 94 96 98 100

50'

STH 36/LOOMIS RD

50'

TEMPORARY PAVEMENT MARKING LINE
REMOVABLE TAPE 6-INCH (YELLOW)

MATCHLINE 100+25.00

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 181	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:45 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

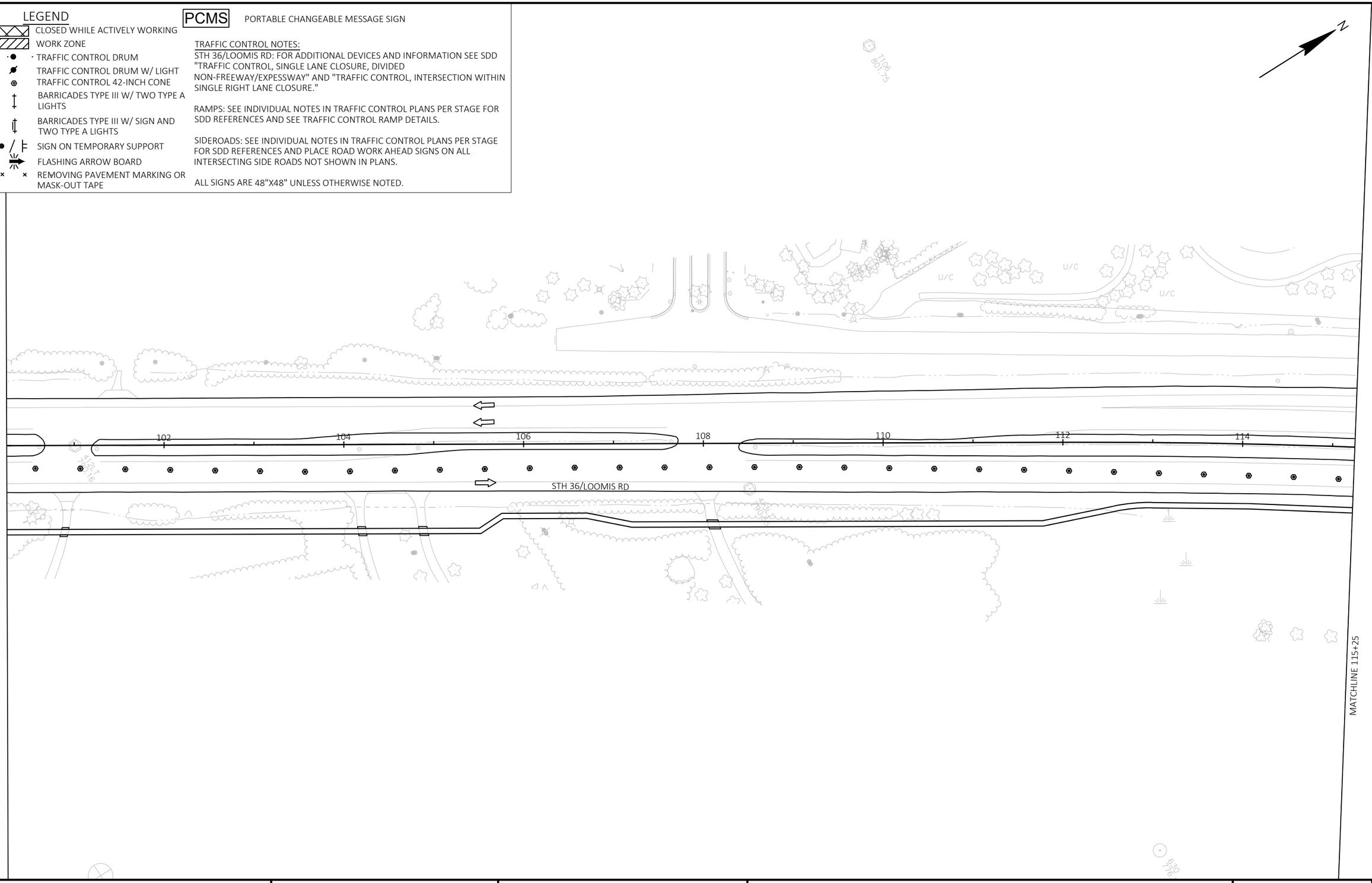
TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 182	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 04

PLOT DATE : 10/30/2023 1:45 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

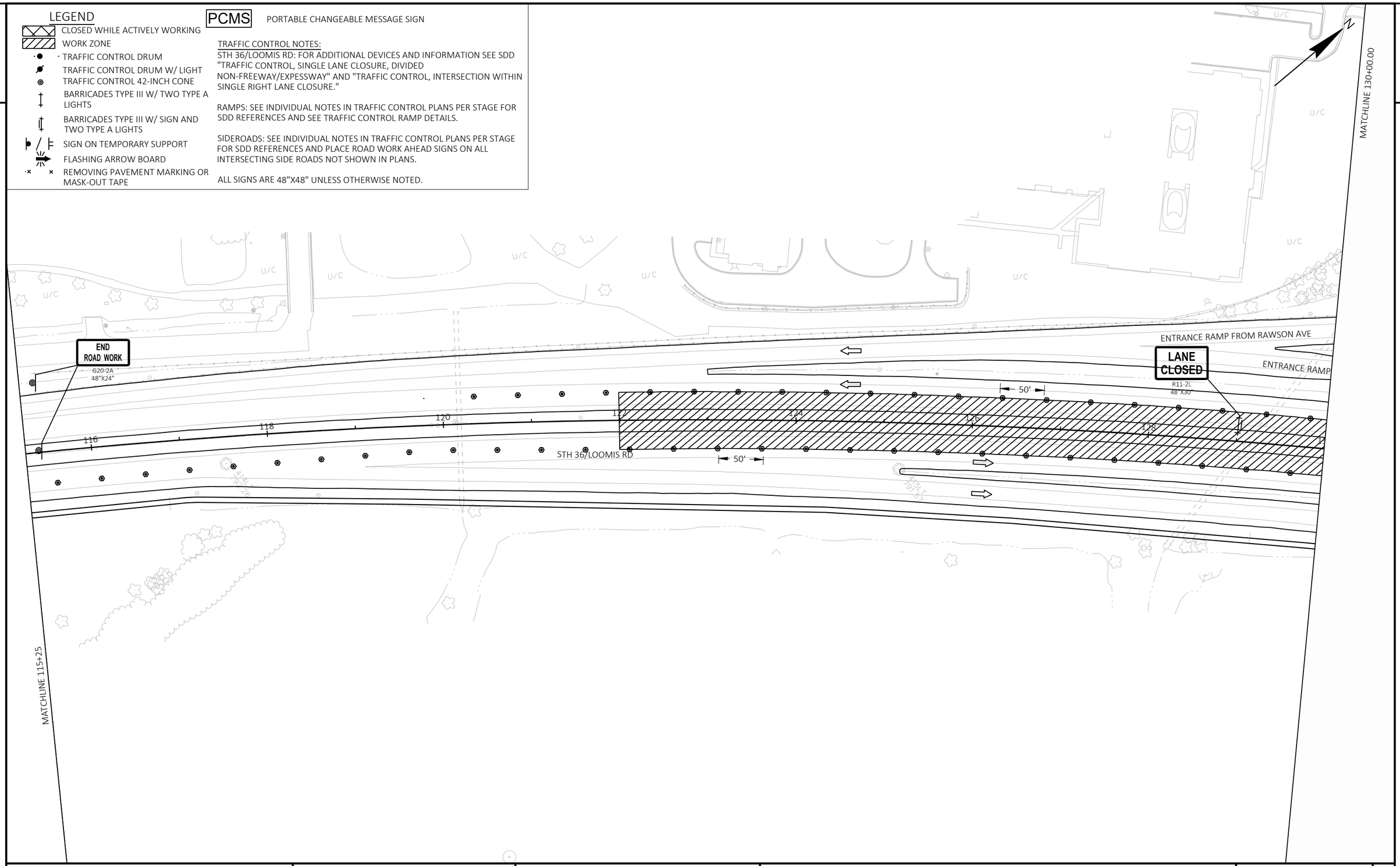
TRAFFIC CONTROL NOTES:

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 183	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:45 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

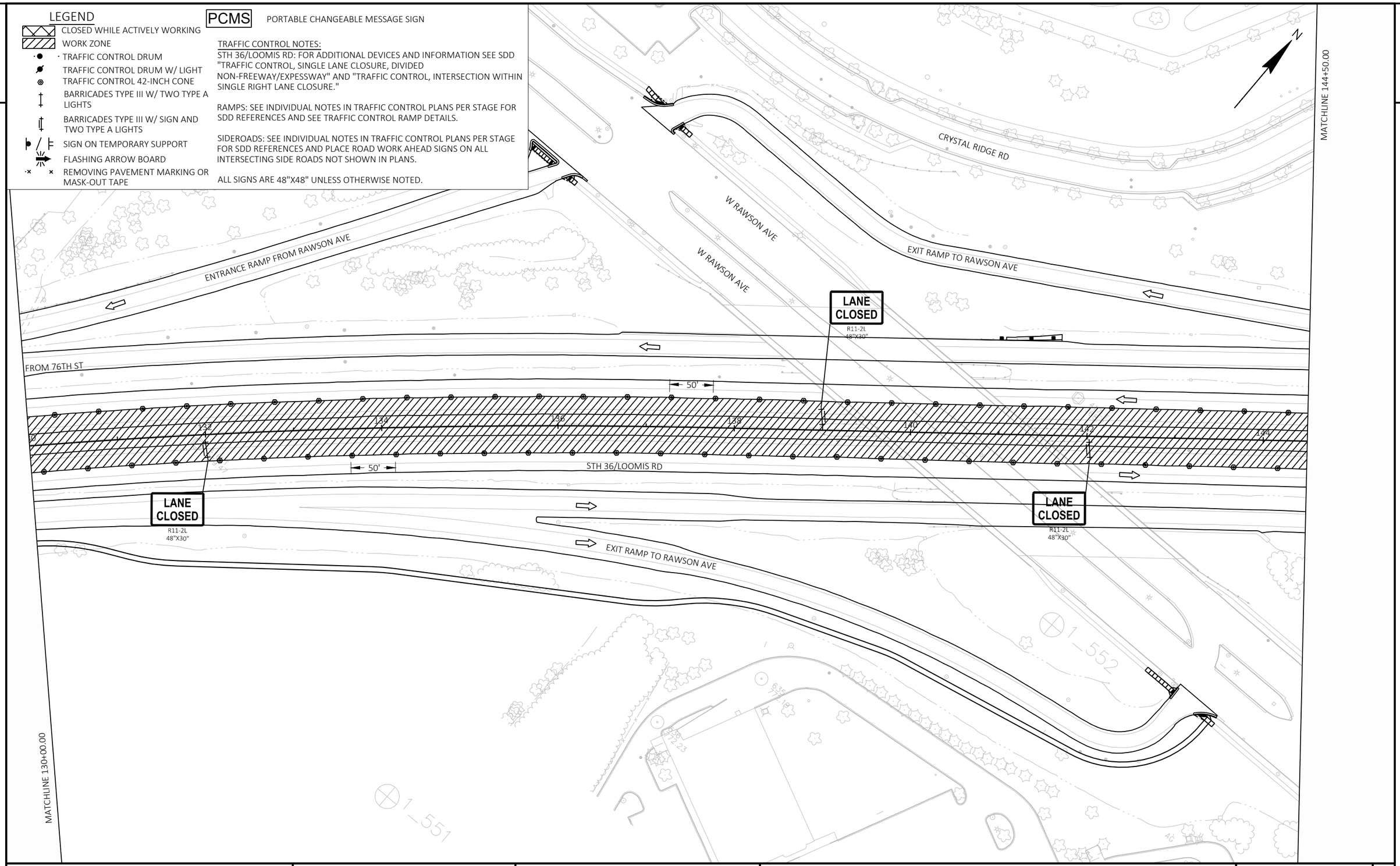
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 184	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2023 1:46 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

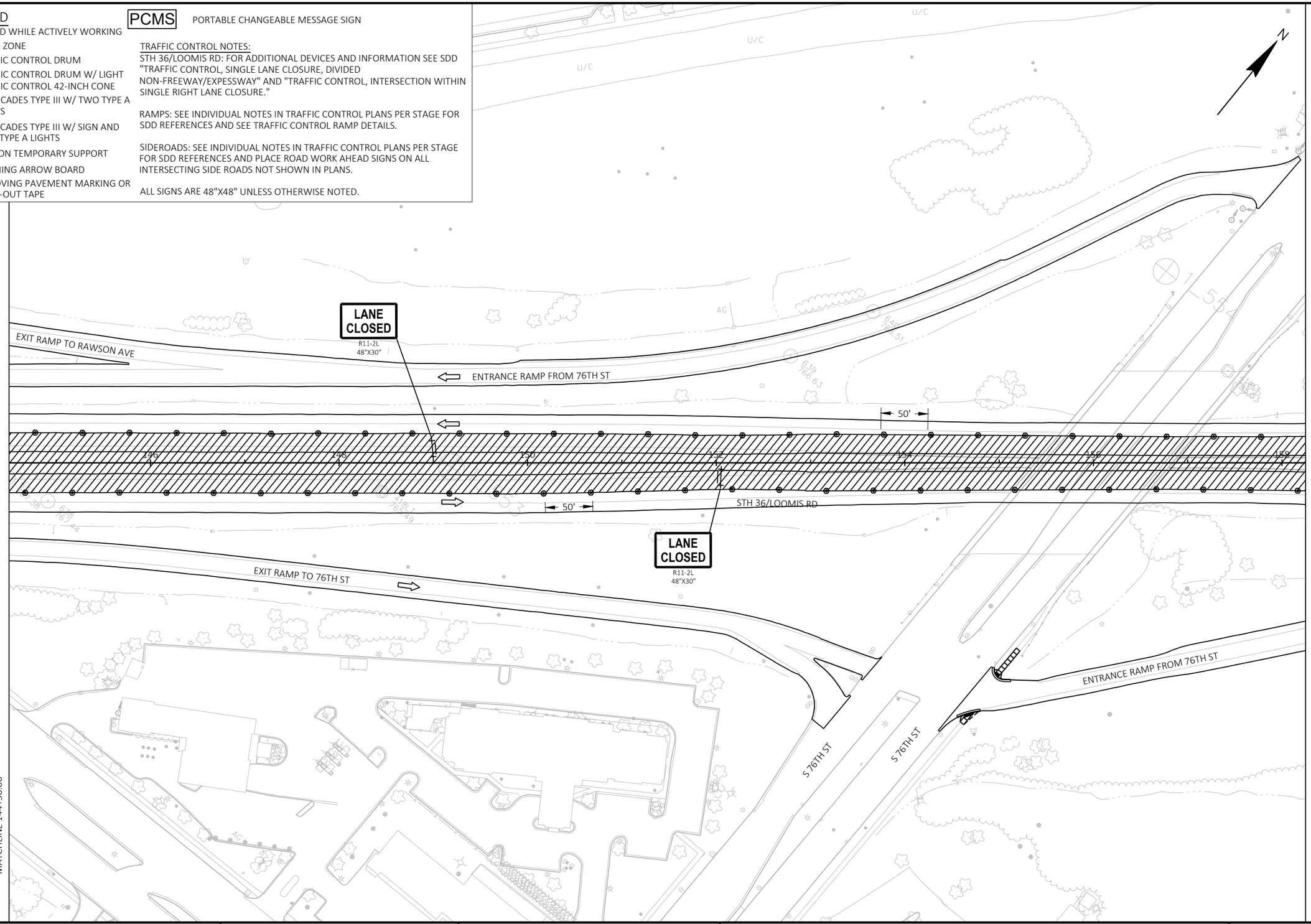
TRAFFIC CONTROL NOTES:

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 185	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 07

PLOT DATE : 10/30/2023 1:46 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

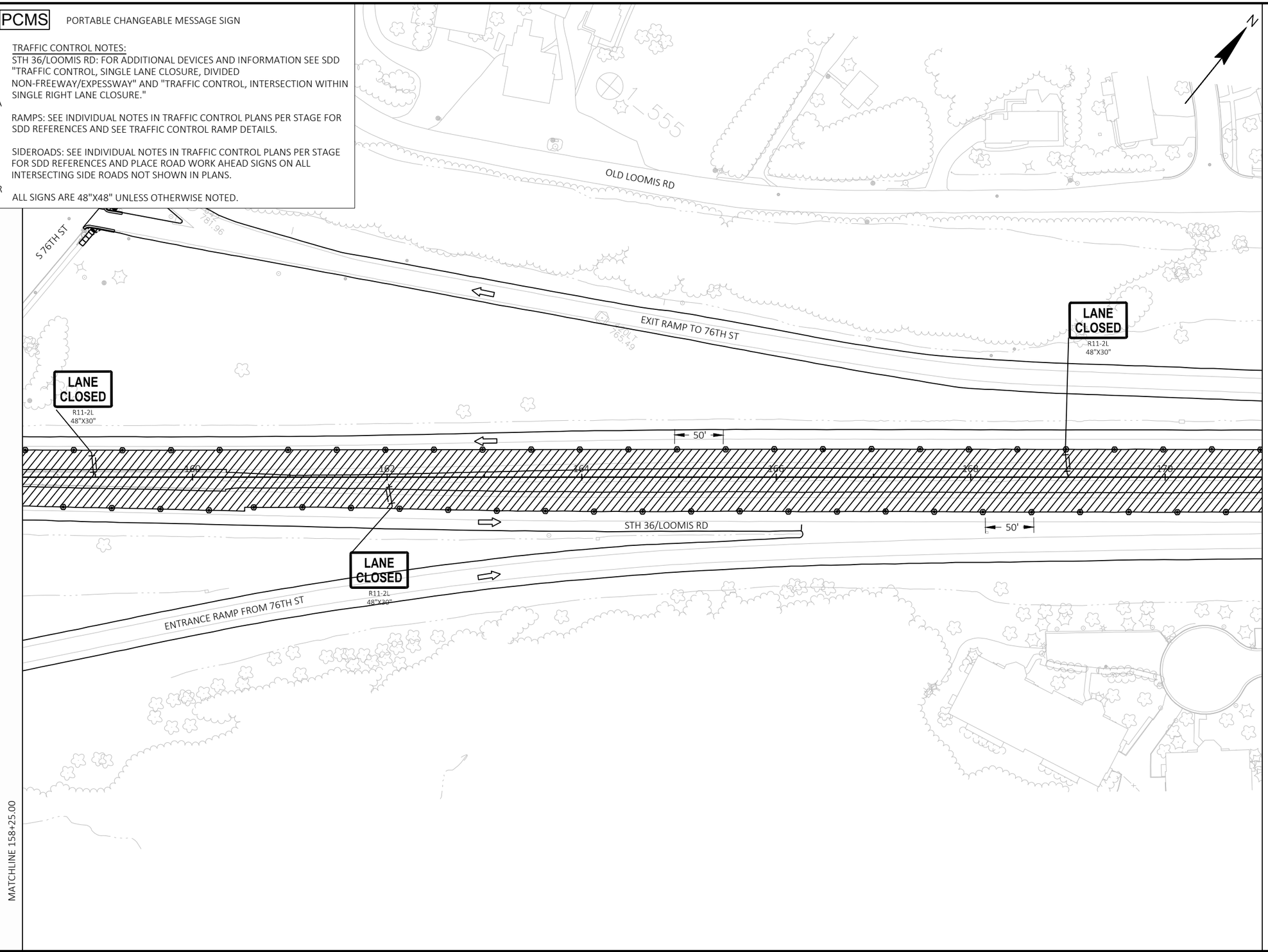
TRAFFIC CONTROL NOTES:

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2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 186	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 08

PLOT DATE : 10/30/2023 1:46 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
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- FLASHING ARROW BOARD
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PCMS PORTABLE CHANGEABLE MESSAGE SIGN

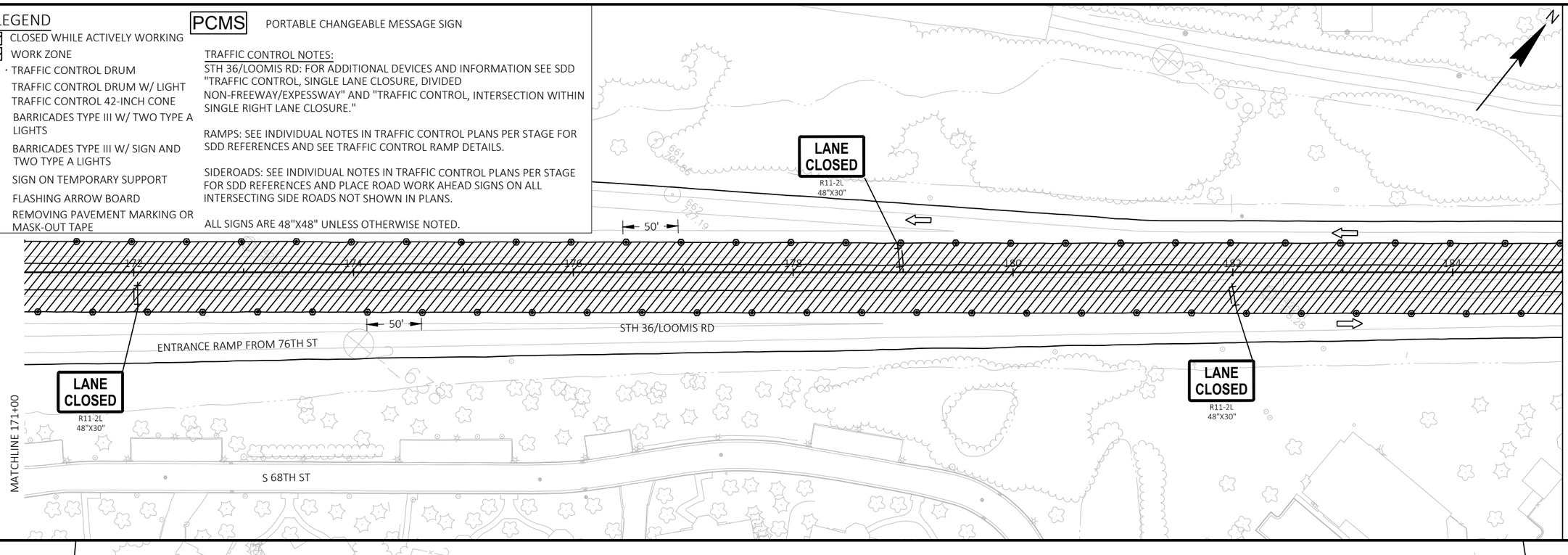
TRAFFIC CONTROL NOTES:

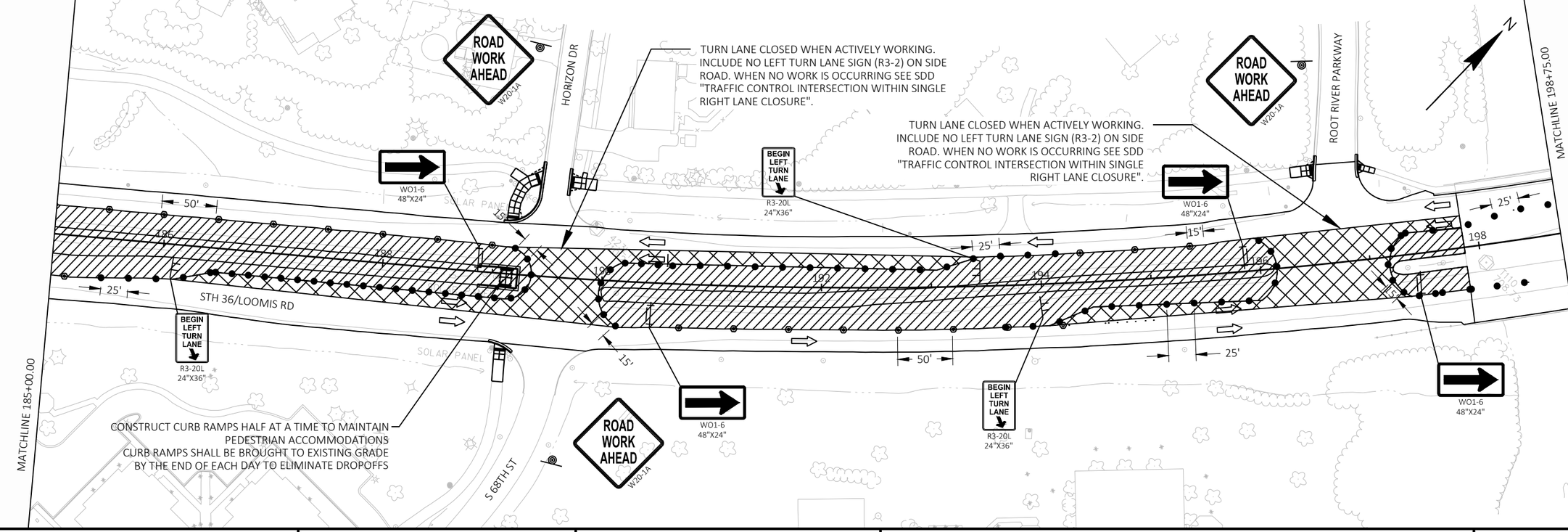
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 187 E

LEGEND

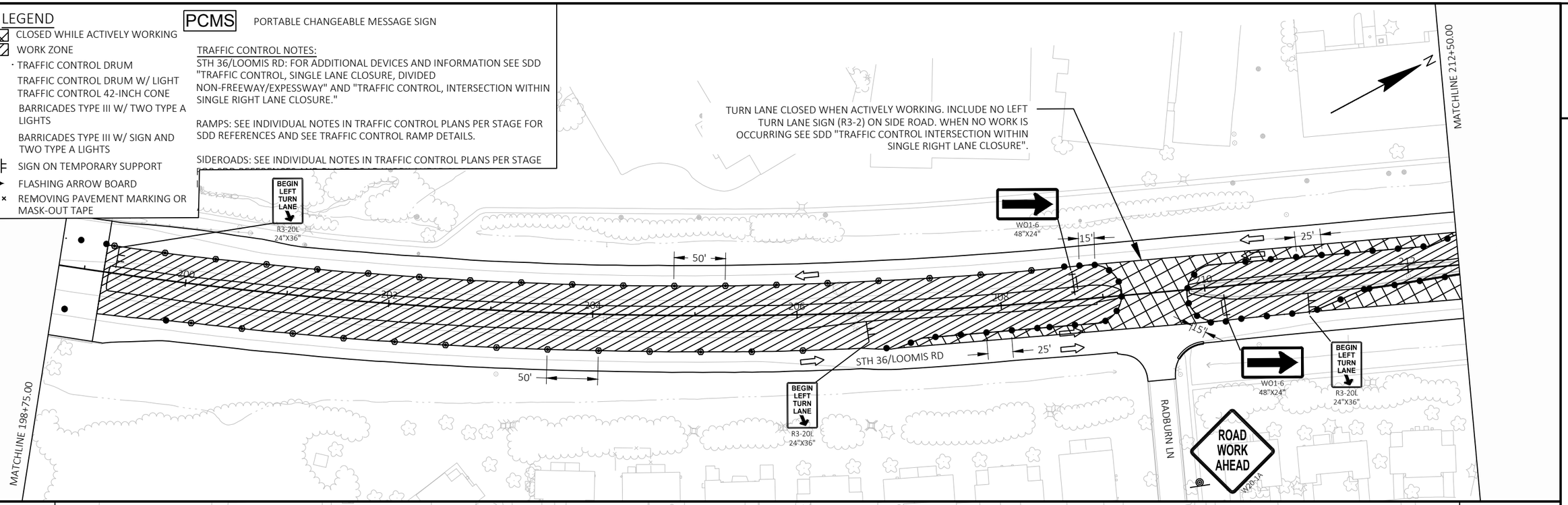
- CLOSED WHILE ACTIVELY WORKING
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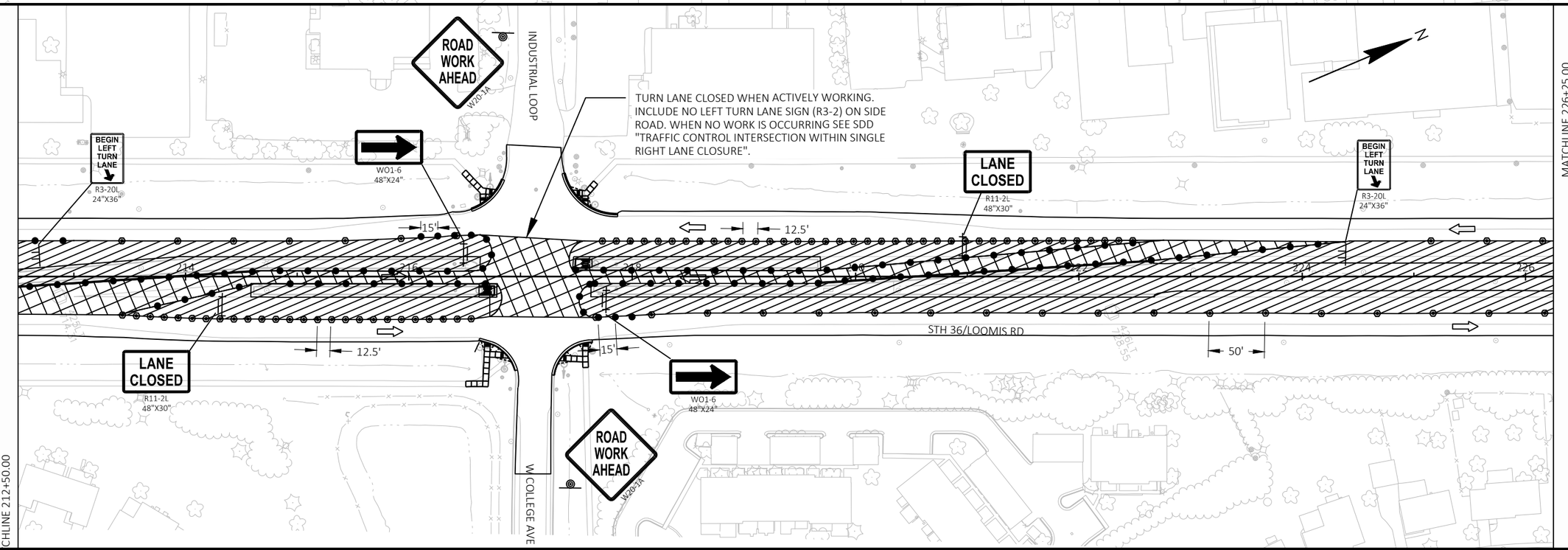
PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:
STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 188 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 10
PLOT DATE : 10/30/2023 1:47 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

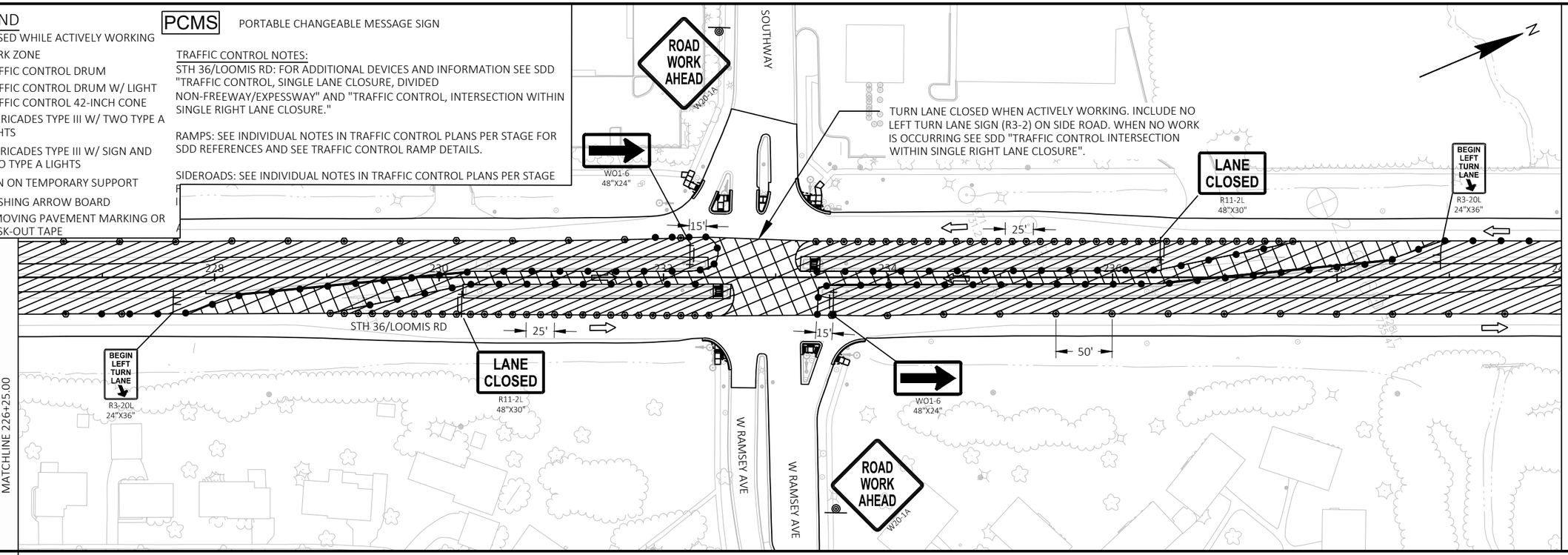
- CLOSED WHILE ACTIVELY WORKING
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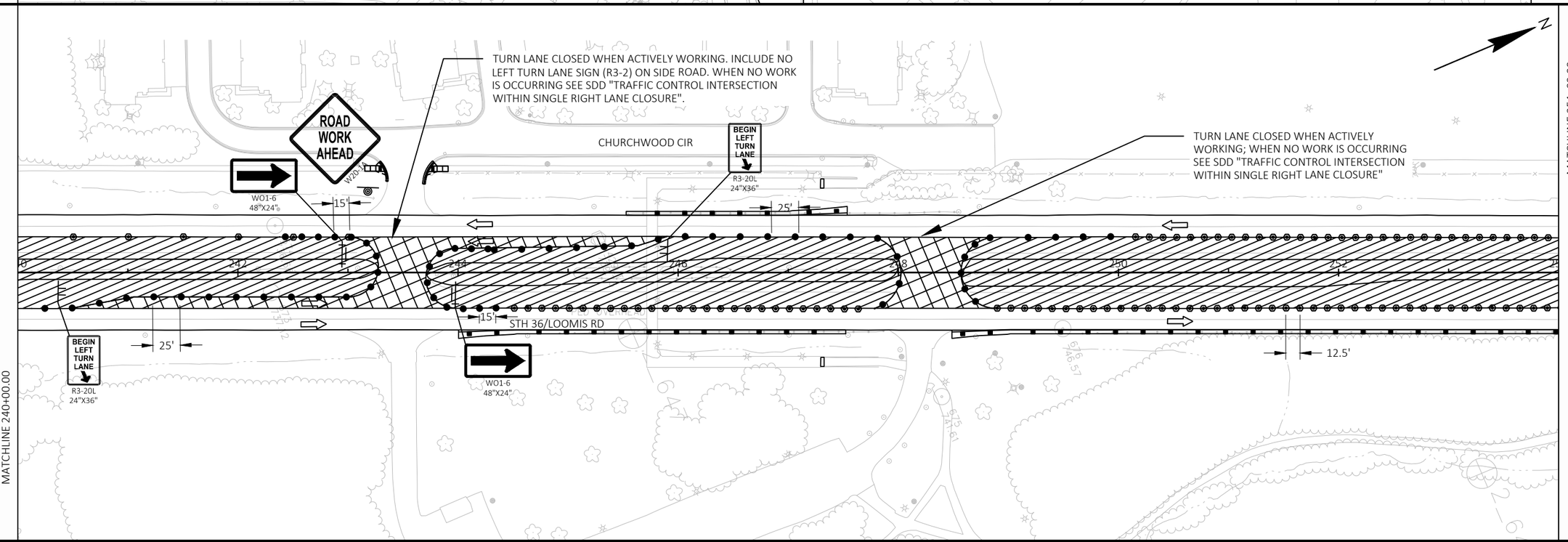
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TRAFFIC CONTROL NOTES:
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SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 189 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 11
PLOT DATE : 10/30/2023 1:48 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
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- TRAFFIC CONTROL DRUM W/ LIGHT
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- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
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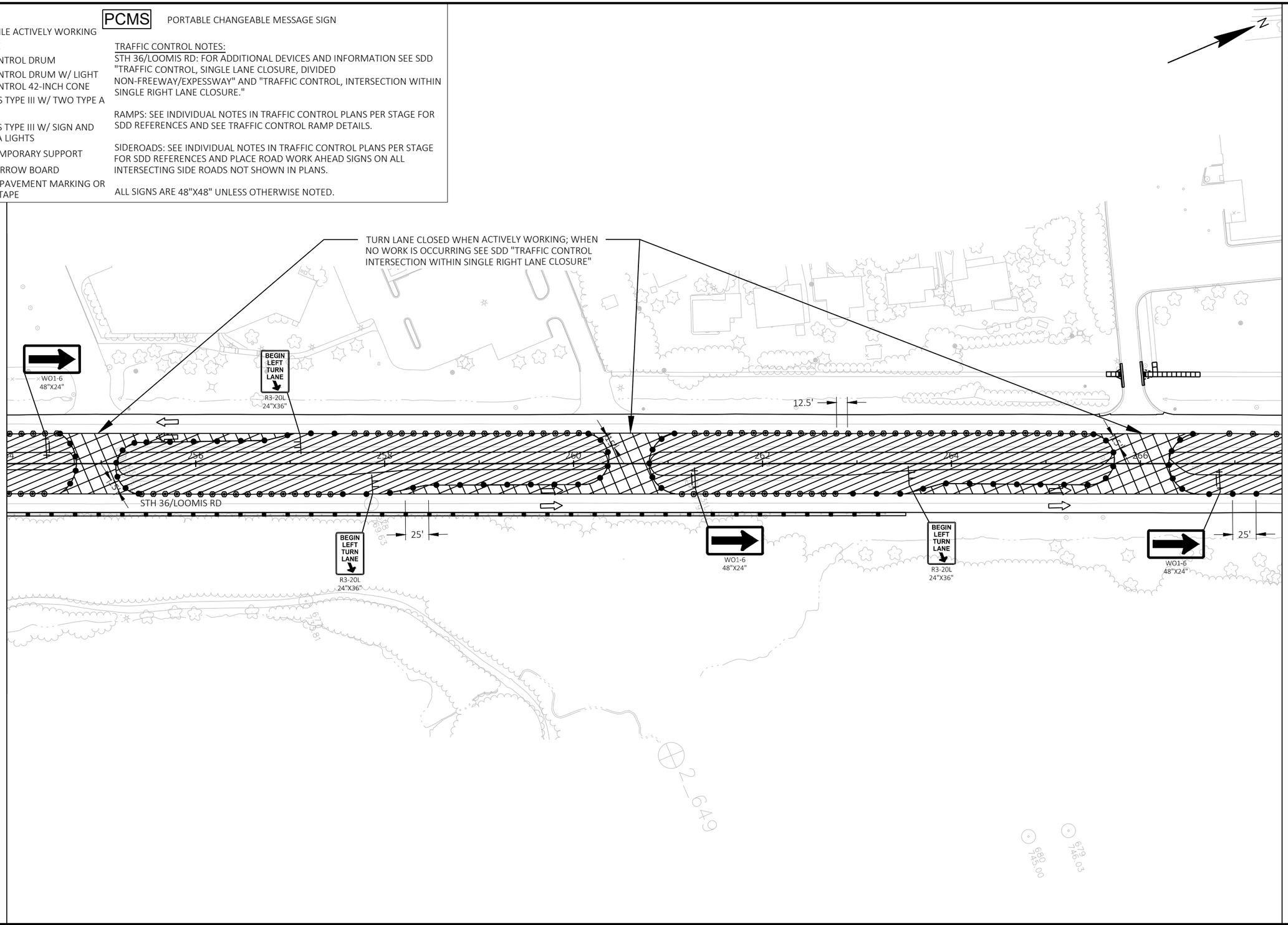
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SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.



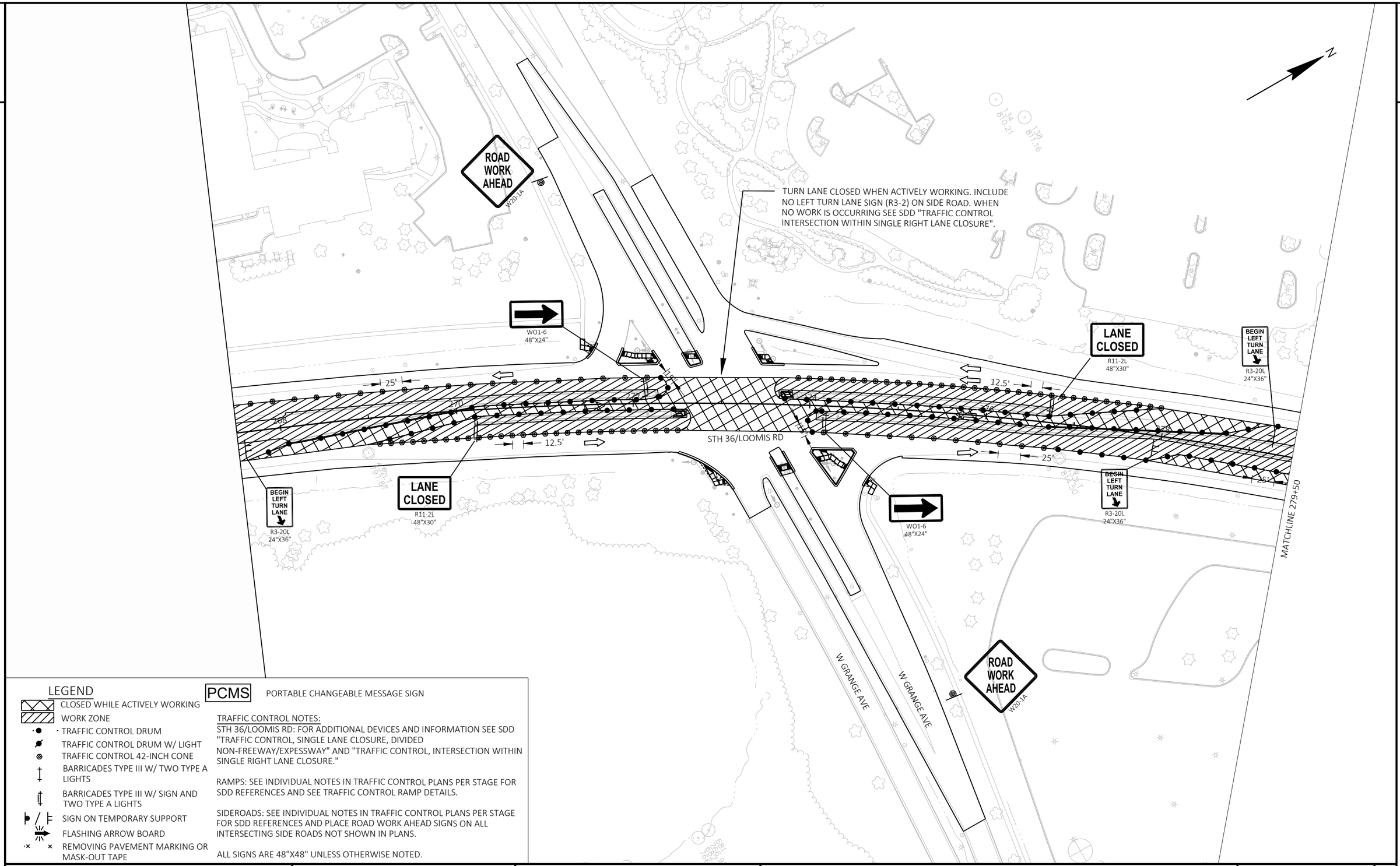
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 190	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 12

PLOT DATE : 10/30/2023 1:48 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 191	E

2

2

MATCHLINE 293+25.00

TURN LANE CLOSED WHEN ACTIVELY WORKING; WHEN NO WORK IS OCCURRING SEE SDD "TRAFFIC CONTROL INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

WO1-6
48"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

PCMS

PCMS

STH 36/LOOMIS RD

12.5'

WO1-6
48"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

MATCHLINE 279+50.00

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 192	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 14

PLOT DATE : 10/30/2023 1:49 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

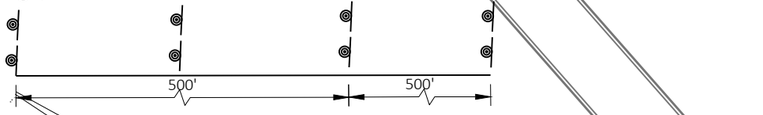
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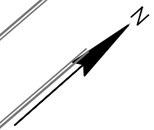












W EDGERTON AVE

51ST ST

TEMPORARY PAVEMENT MARKING LINE
REMOVABLE TAPE 6-INCH (YELLOW)

50'

294 296 298 300 302 304 306 308

STH 36/LOOMIS RD

25'

END
ROAD WORK
G20-2A
48"X24"

S 51ST ST

142
194.46

2_654

688
800.63

2_653

MATCHLINE 293+25.00

LEGEND

- CLOSED WHILE ACTIVELY WORKING
- WORK ZONE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM W/ LIGHT
- TRAFFIC CONTROL 42-INCH CONE
- BARRICADES TYPE III W/ TWO TYPE A LIGHTS
- BARRICADES TYPE III W/ SIGN AND TWO TYPE A LIGHTS
- SIGN ON TEMPORARY SUPPORT
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING OR MASK-OUT TAPE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL NOTES:

STH 36/LOOMIS RD: FOR ADDITIONAL DEVICES AND INFORMATION SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPESSWAY" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE."

RAMPS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND SEE TRAFFIC CONTROL RAMP DETAILS.

SIDEROADS: SEE INDIVIDUAL NOTES IN TRAFFIC CONTROL PLANS PER STAGE FOR SDD REFERENCES AND PLACE ROAD WORK AHEAD SIGNS ON ALL INTERSECTING SIDE ROADS NOT SHOWN IN PLANS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2B	SHEET 193	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 15
PLOT DATE : 10/30/2023 1:49 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

FOR ADDITIONAL DETAILS SEE SDD
"BARRICADES AND SIGNS FOR
MAINLINE CLOSURES, DETAIL C"

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-1
24"X24"

R3-2
24"X24"

STH 36

STH 36

R3-2
24"X24"

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

SIGNALIZED SIDEROADS

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED AHEAD
W20-3A

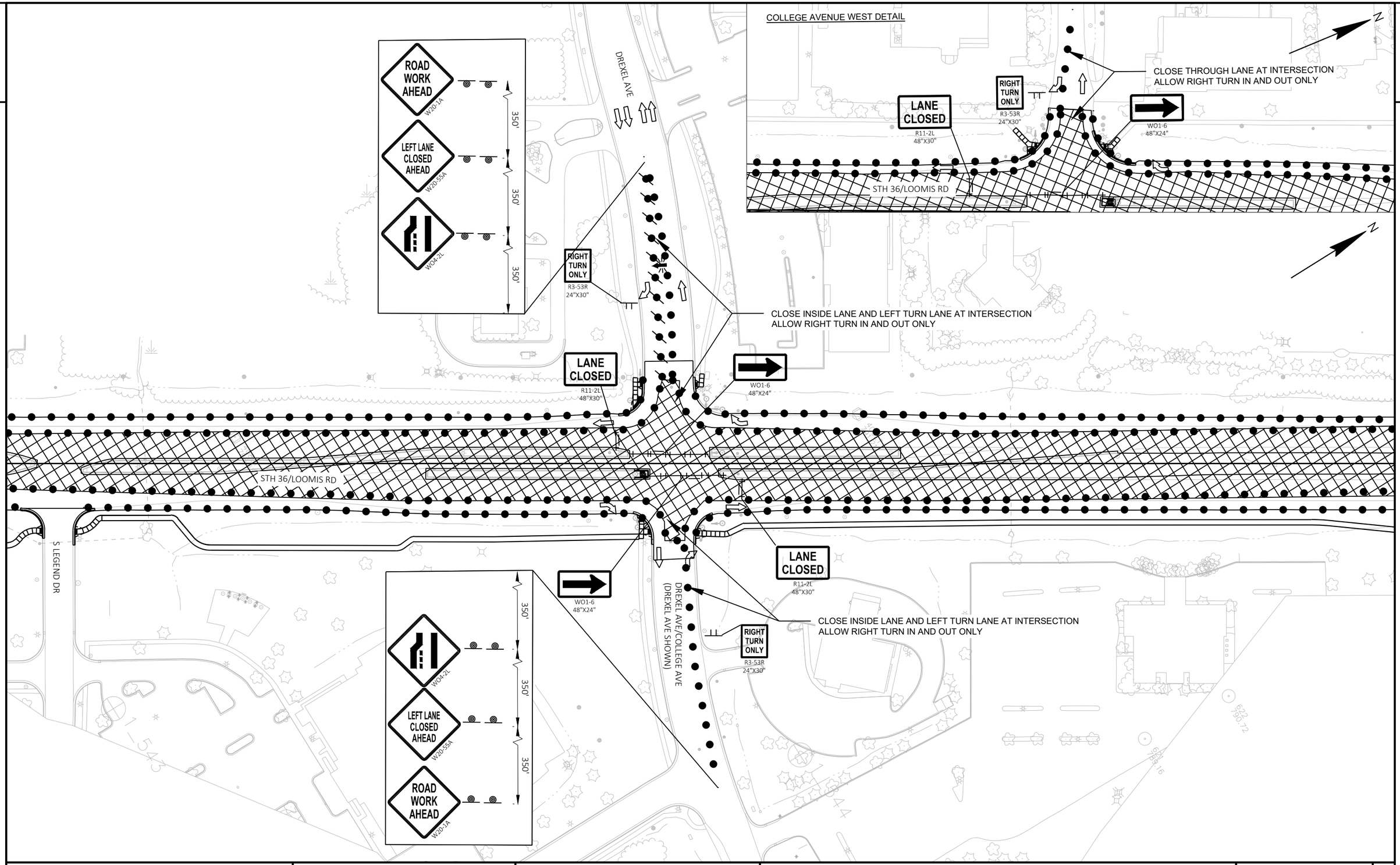
FOR ADDITIONAL DETAILS SEE SDD
"BARRICADES AND SIGNS FOR
MAINLINE CLOSURES, DETAIL C"

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	SIGNALIZED INTERSECTION CLOSURE DETAIL STAGE 1 AND 2 A/C	SHEET 194	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-TC_INTERSECTIONCLOSUREOUTSIDELANESS2.DWG
LAYOUT NAME - 01
PLOT DATE : 10/30/2023 1:50 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

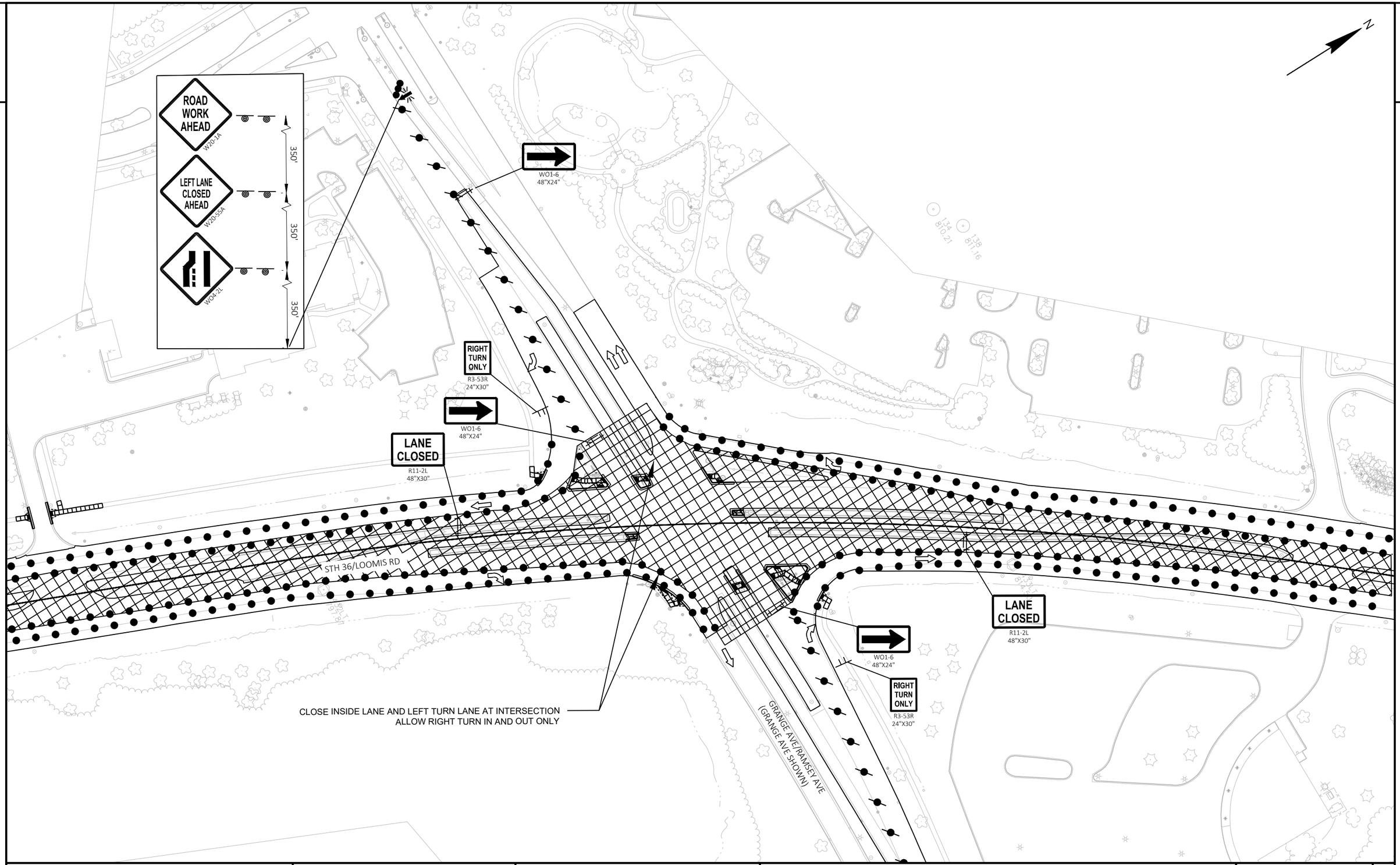
COLLEGE AVENUE WEST DETAIL



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	SIGNALIZED INTERSECTION CLOSURE DETAIL STAGE 1 AND 2 B - DREXEL/COLLEGE	SHEET 195	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-TC_INTERSECTIONCLOSUREOUTSIDELANESS1.DWG
LAYOUT NAME - 01
PLOT DATE : 10/30/2023 1:51 PM
PLOT BY : CORY INMAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	SIGNALIZED INTERSECTION CLOSURE DETAIL STAGE 1 AND 2 B - GRANGE/RAMSEY	SHEET 196	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-TC_INTERSECTIONCLOSUREOUTSIDELANESS1.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2023 1:51 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

RIGHT TURN ONLY
R3-53R
24"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

STH 36/LOOMIS RD

CLOSE INSIDE LANE AND LEFT TURN LANE AT INTERSECTION
ALLOW RIGHT TURN IN AND OUT ONLY

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

RIGHT TURN ONLY
R3-53R
24"X30"

GRANGE AVE/RAMSEY AVE
(GRANGE AVE SHOWN)

WO1-6
48"X24"

350'

350'

350'

WO4-2L

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	SIGNALIZED INTERSECTION CLOSURE DETAIL STAGE 1 AND 2 B - GRANGE/RAMSEY	SHEET 197	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-TC_INTERSECTIONCLOSUREOUTSIDELANESS1.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:51 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

STH 36/LOOMIS AVE

W FOREST HILL AVE

M4-60R
30"X24"

M4-60L
30"X24"

EXISTING R/W

EXISTING R/W

STH 36/LOOMIS AVE

M4-60R
30"X24"

W DREXEL AVE

NO TEMPORARY PEDESTRIAN ACCOMMODATIONS
NO EXISTING SIDEWALK ON THIS SIDE

EXISTING R/W

2

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 1A/C	SHEET 198	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 01

PLOT DATE : 10/30/2023 1:52 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

TEMPORARY DETECTABLE WARNING FIELD

M4-60L
30"X24"

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY PEDESTRIAN RAMP

STH 36/LOOMIS AVE

W DREXEL AVE

MATCH LINE SEE VIEW BELOW

N

MATCH LINE SEE VIEW ABOVE

W DREXEL AVE

N

PLACE NORTH OF WYNDHAM HILLS PARKWAY

R9-9A
30"X18"

SIDEWALK CLOSED AHEAD

M4-9BR
30"X24"

DETOUR

SIDEWALK CLOSED

R9-9
24"X12"

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 1A/C	SHEET 199	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 02

PLOT DATE : 10/30/2023 1:53 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

N

MH SLAB MH

MH MH

INL INL MH MH INL

76

78

STH 36/LOOMIS AVE

SIGN MH

MH MH

MH SIGN

W DREXEL AVE

EXISTING R/W

SIGN

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE 1B	SHEET 200	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 03

PLOT DATE : 10/30/2023 1:53 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

M4-60L
30"X24"

M4-60L
30"X24"

INDUSTRIAL LOOP

STH 36/W LOOMIS AVE

STH 36/W LOOMIS AVE

W COLLEGE AVE

M4-60L
30"X24"

M4-60L
30"X24"

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2A/C	SHEET 201	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 04

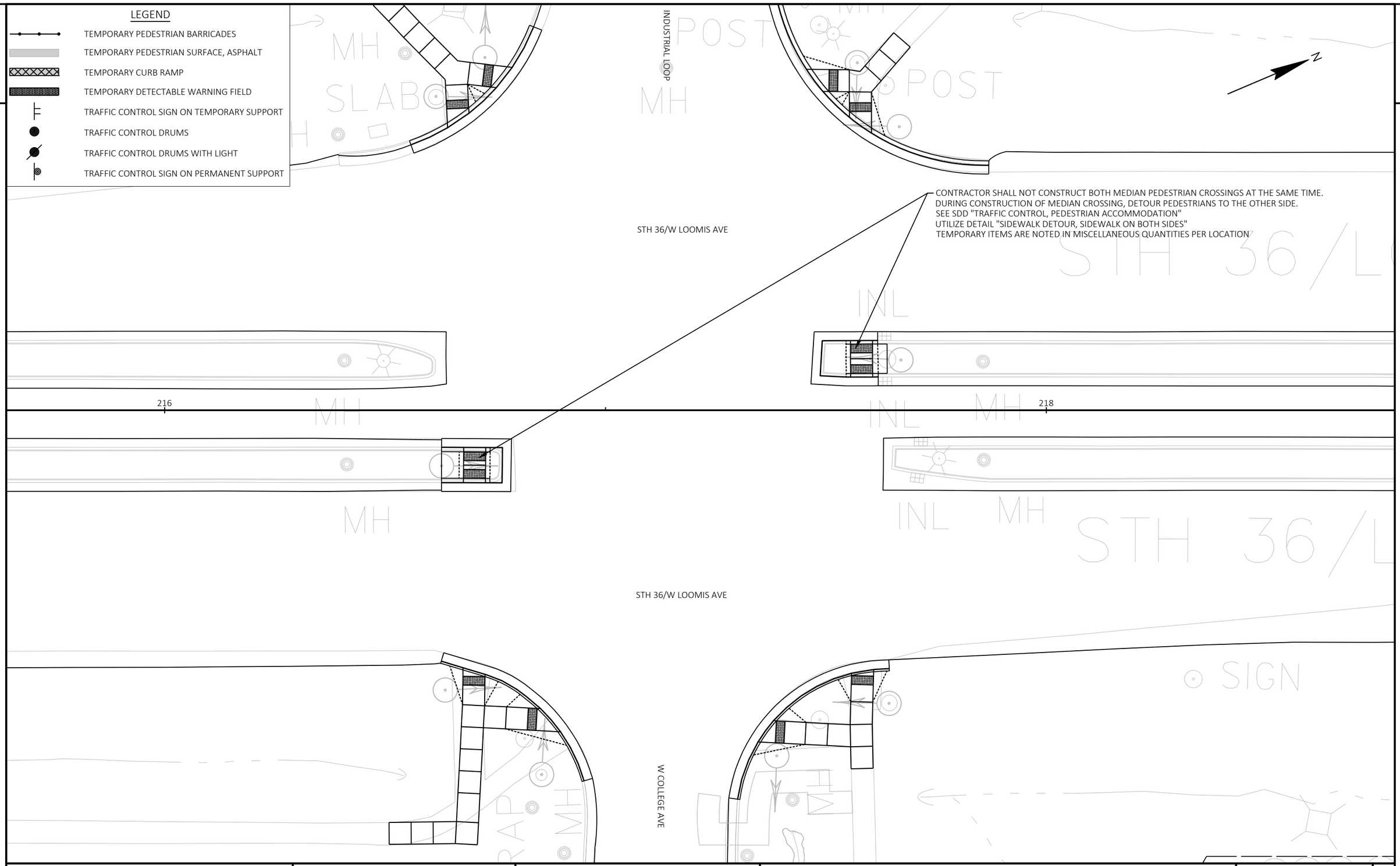
PLOT DATE : 10/30/2023 1:53 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT



CONTRACTOR SHALL NOT CONSTRUCT BOTH MEDIAN PEDESTRIAN CROSSINGS AT THE SAME TIME.
DURING CONSTRUCTION OF MEDIAN CROSSING, DETOUR PEDESTRIANS TO THE OTHER SIDE.
SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
UTILIZE DETAIL "SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES"
TEMPORARY ITEMS ARE NOTED IN MISCELLANEOUS QUANTITIES PER LOCATION

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2B	SHEET 202	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 05

PLOT DATE : 10/30/2023 1:53 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : ##########

2

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

SOUTHWAY

STH 36

W RAMSEY AVE

M4-60L 30"X24"

M4-60R 30"X24"

M4-60L 30"X24"

M4-9BR 30"X24"

SIDEWALK CLOSED AHEAD R9-9A 30"X18"

M4-9BL 30"X24"

TEMPORARY DWF PEDESTRIAN BARRICADE

WORKZONE

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY CURB RAMP

M4-60R 30"X24"

M4-60L 30"X24"

230

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2A/C	SHEET 203	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 06

PLOT DATE : 10/30/2023 1:54 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

CONTRACTOR SHALL CONSTRUCT ONE MEDIAN CROSSING AT A TIME
WHILE MEDIAN CROSSING IS UNDER CONSTRUCTION FOLLOW SDD "TEMPORARY PEDESTRIAN ACCOMMODATIONS"
TO ROUTE PEDESTRIAN TRAFFIC AROUND THE MEDIAN CROSSING CONSTRUCTION.
FOLLOW DETAIL "SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES"
TEMPORARY ITEMS ARE NOTED IN THE MISCELLANEOUS QUANTITIES PER LOCATION

SOUTHWAY
STH 36
STH 36/LOOMIS RD
LOOMIS RD
STH 36
W RAMSEY AVE
230
232
234
236

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2B	SHEET 204	E

LEGEND

- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT

W GRANGE AVE

M4-60R
30"X24"

WORK ZONE

STH 36/LOOMIS RD

STH 36/LOOMIS RD

NO TEMPORARY PEDESTRIAN ACCOMMODATIONS REQUIRED

M4-60L
30"X24"

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2A/C	SHEET 205	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\026001-S1_PED.DWG
LAYOUT NAME - 08

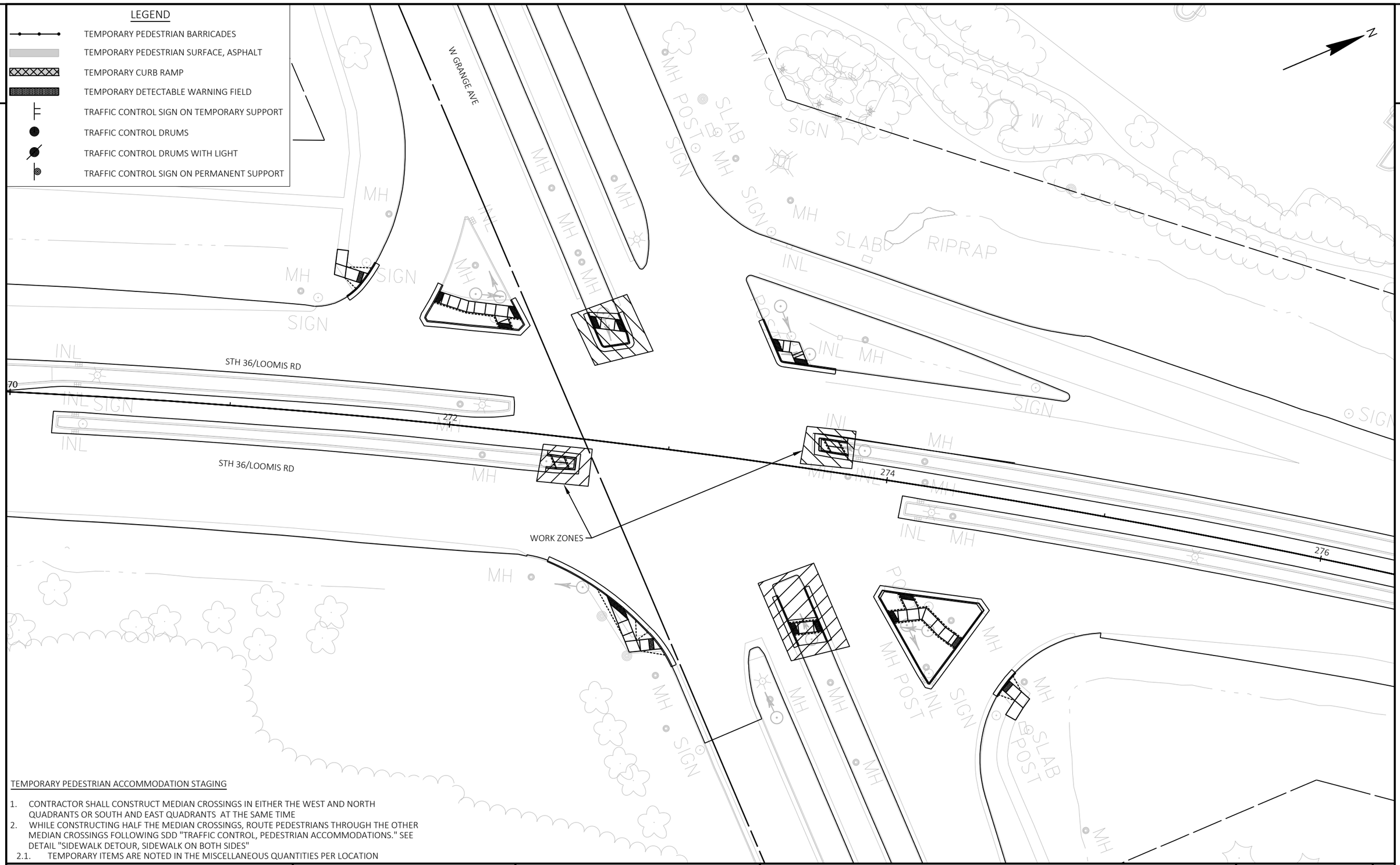
PLOT DATE : 10/30/2023 1:54 PM PLOT BY : CORY INMAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

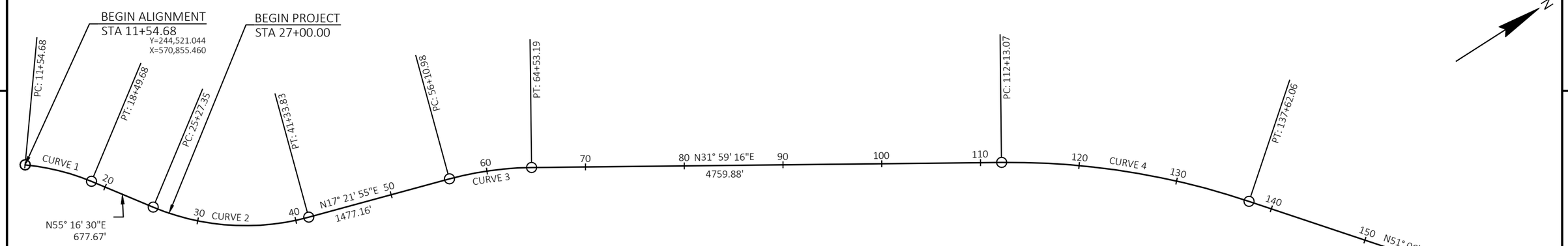
- TEMPORARY PEDESTRIAN BARRICADES
- TEMPORARY PEDESTRIAN SURFACE, ASPHALT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH LIGHT
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT



TEMPORARY PEDESTRIAN ACCOMMODATION STAGING

1. CONTRACTOR SHALL CONSTRUCT MEDIAN CROSSINGS IN EITHER THE WEST AND NORTH QUADRANTS OR SOUTH AND EAST QUADRANTS AT THE SAME TIME
2. WHILE CONSTRUCTING HALF THE MEDIAN CROSSINGS, ROUTE PEDESTRIANS THROUGH THE OTHER MEDIAN CROSSINGS FOLLOWING SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS." SEE DETAIL "SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES"
   - 2.1. TEMPORARY ITEMS ARE NOTED IN THE MISCELLANEOUS QUANTITIES PER LOCATION

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	TRAFFIC CONTROL TEMPORARY PEDESTRIAN ACCOMMODATIONS STAGE 2B	SHEET 206	E

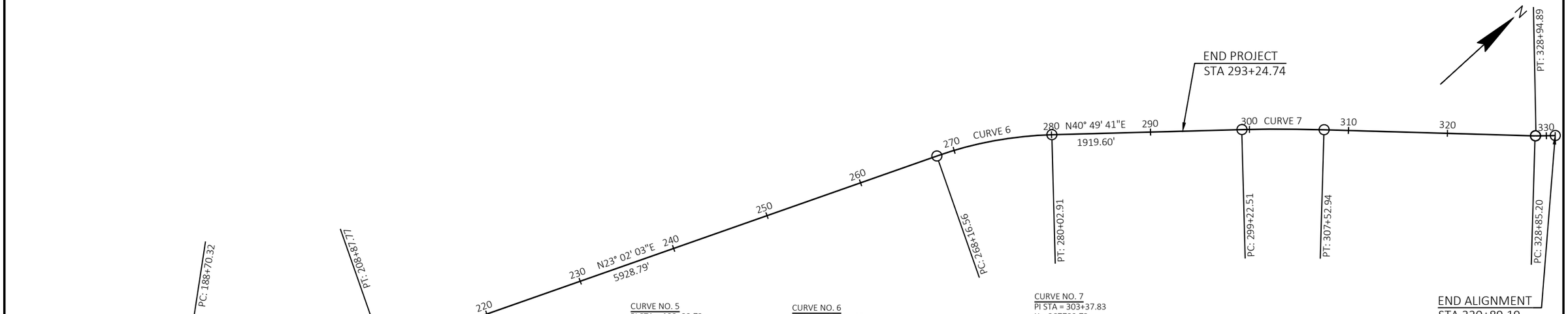


CURVE NO. 1
PI STA = 15+04.87
Y = 244797.37
X = 571070.58
PC STA = 11+54.68
Y=244521.04
X=570855.46
PT STA = 18+49.68
Y=244996.85
X=571358.40
DELTA = 17°22'25"
D = 2°29'59"
T = 350.19'
L = 695.00'
R = 2292.00'

CURVE NO. 2
PI STA = 33+61.23
Y = 245857.89
X = 572600.74
PC STA = 25+27.35
Y=245382.87
X=571915.37
PT STA = 41+33.83
Y=246653.77
X=572849.62
DELTA = 37°54'35"
D = 2°21'35"
T = 833.89'
L = 1606.48'
R = 2428.00'
EXISTING SE= 6.0%
PROPOSED SE= MATCH EXISTING

CURVE NO. 3
PI STA = 60+34.39
Y = 248467.70
X = 573416.86
PC STA = 56+10.98
Y=248063.60
X=573290.49
PT STA = 64+53.19
Y=248826.81
X=573641.16
DELTA = 14°37'21"
D = 1°44'10"
T = 423.40'
L = 842.20'
R = 3300.00'
EXISTING SE= 6.0%
PROPOSED SE= MATCH EXISTING

CURVE NO. 4
PI STA = 124+99.52
Y = 253955.07
X = 576844.14
PC STA = 112+13.07
Y=252863.96
X=576162.66
PT STA = 137+62.06
Y=254762.85
X=577845.37
DELTA = 19°06'58"
D = 0°45'00"
T = 1286.45'
L = 2548.99'
R = 7640.00'
EXISTING SE = 2.8%
PROPOSED SE= MATCH EXISTING



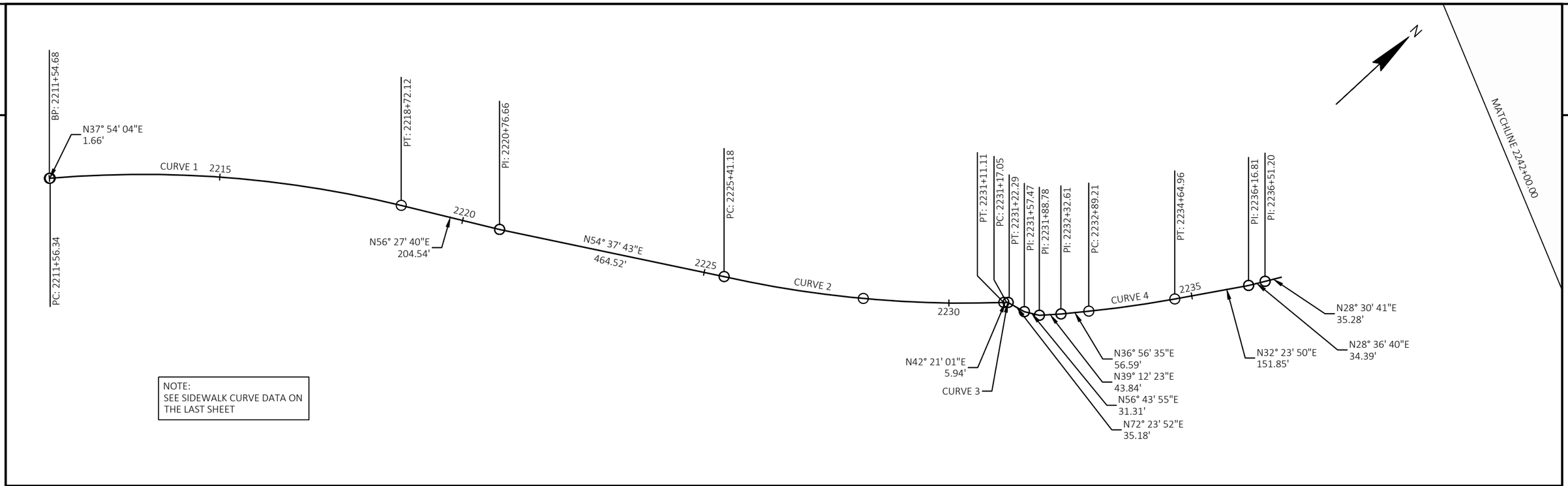
CURVE NO. 5
PI STA = 198+99.72
Y = 258616.74
X = 582622.22
PC STA = 188+70.32
Y=257970.37
X=581821.06
PT STA = 208+87.77
Y=259564.06
X=583025.00
DELTA = 28°04'11"
D = 1°23'29"
T = 1029.40'
L = 2017.45'
R = 4118.00'
EXISTING SE= 4.0%
PROPOSED SE= MATCH EXISTING

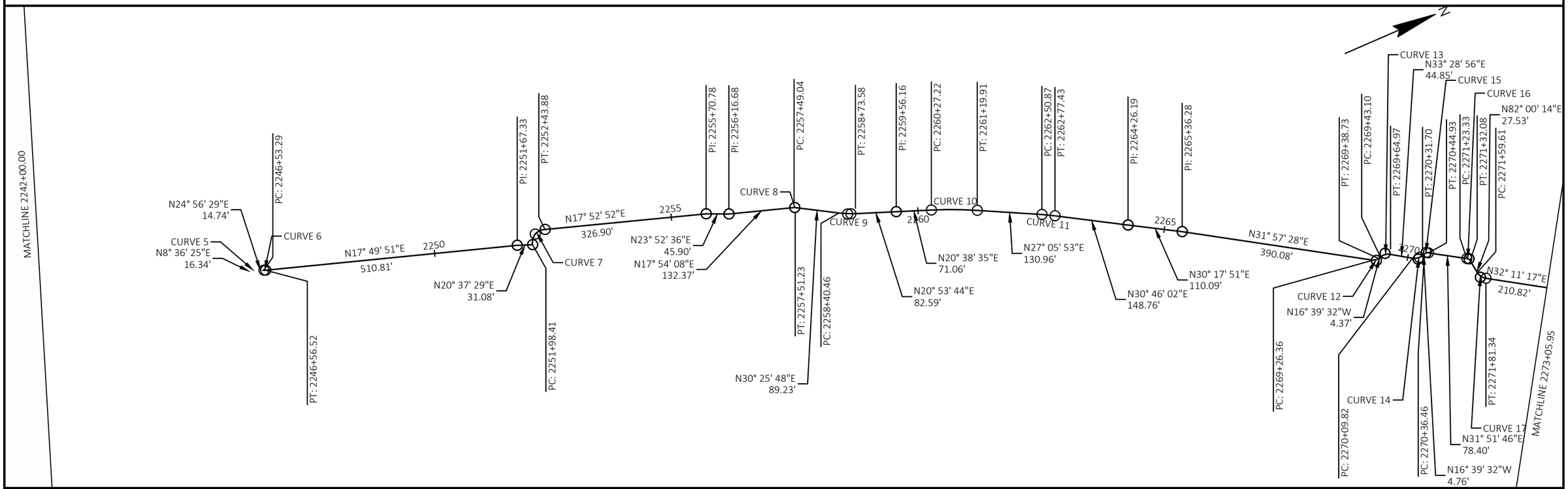
CURVE NO. 6
PI STA = 274+14.55
Y = 265570.48
X = 585578.80
PC STA = 268+16.56
Y=265020.16
X=585344.82
PT STA = 280+02.91
Y=266022.96
X=585969.76
DELTA = 17°47'38"
D = 1°30'00"
T = 597.99'
L = 1186.35'
R = 3820.00'
EXISTING SE= 3.33%
PROPOSED SE= MATCH EXISTING

CURVE NO. 7
PI STA = 303+37.83
Y = 267789.73
X = 587496.31
PC STA = 299+22.51
Y=267475.47
X=587224.78
PT STA = 307+52.94
Y=268088.43
X=587784.88
DELTA = 3°11'00"
D = 0°23'00"
T = 415.32'
L = 830.43'
R = 14946.73'

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS STH 36	SHEET 207	E

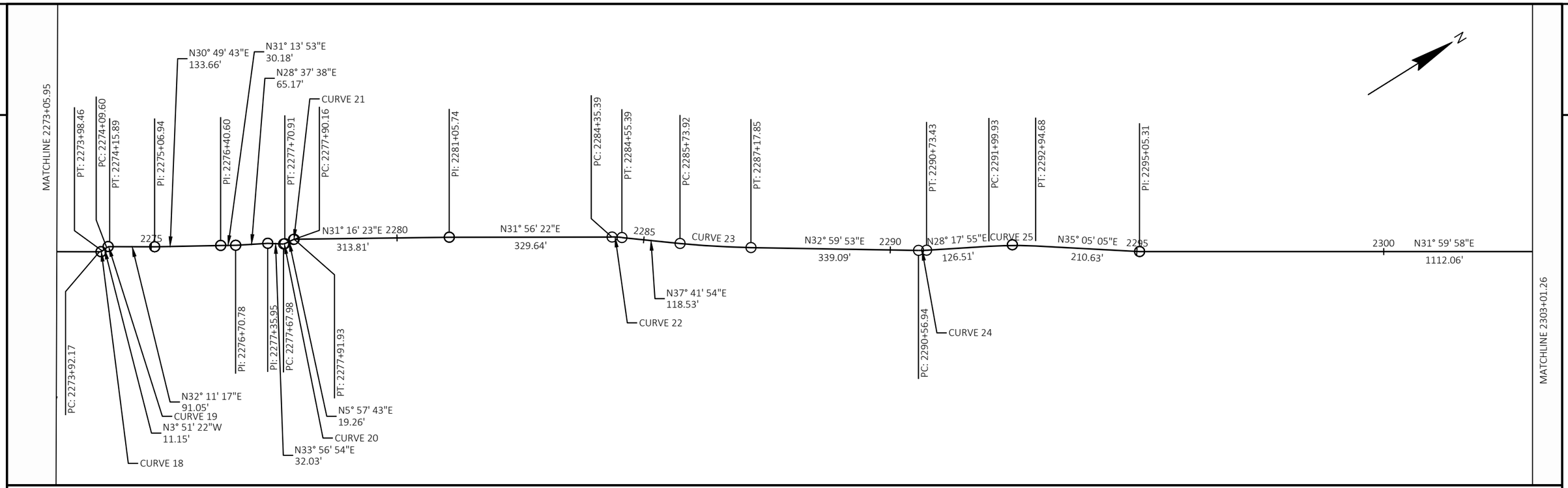
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 10/26/2023 1:17 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 44

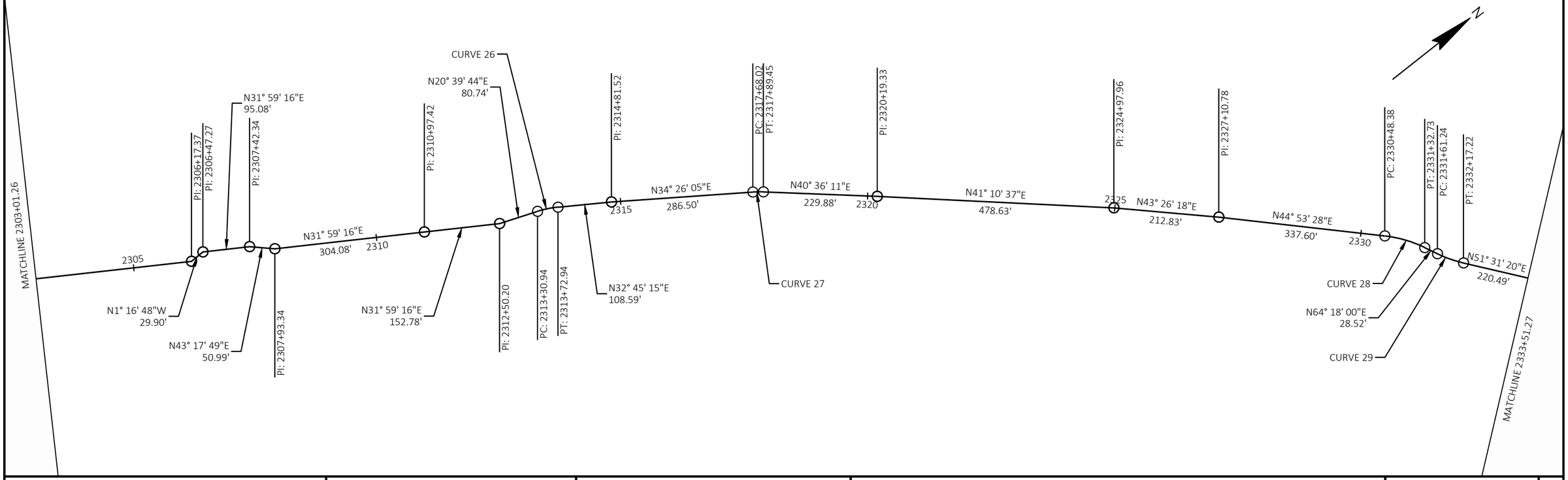




PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS SIDEWALK	SHEET 208	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 10/26/2023 1:18 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



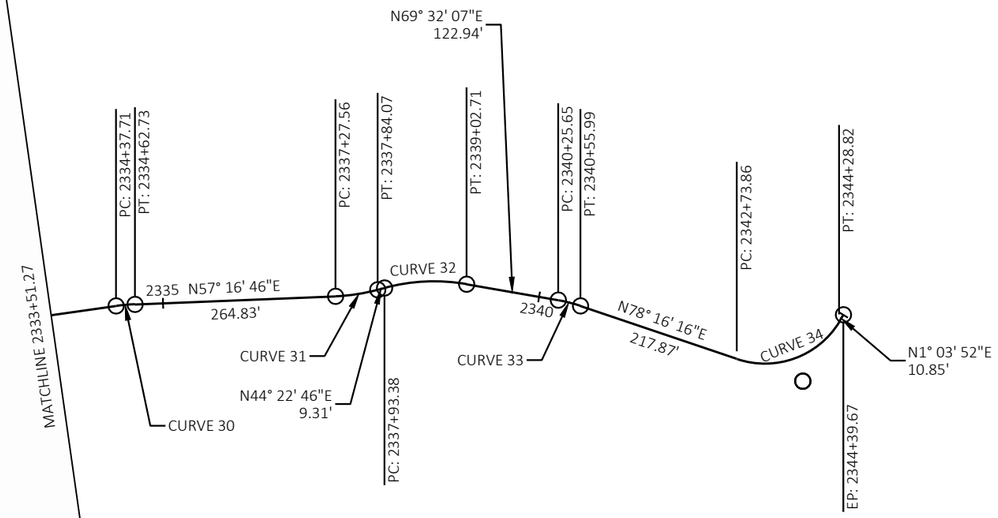


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS SIDEWALK	SHEET 209	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027203-ad

PLOT DATE : 10/26/2023 1:18 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS SIDEWALK	SHEET 210	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 027204-ad

PLOT DATE : 10/26/2023 1:18 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

CURVE 1

PI STA = 2215+17.39
Y = 244768.549
X = 571127.986
DELTA = 18°33'36"
D = 2°35'35"
T = 361.05'
L = 715.78'
R = 2209.66'
PC STA = 2211+56.34
Y = 244483.652
X = 570906.190
PT STA = 2218+72.12
Y = 244968.031
X = 571428.928
BK = N37°54'04.3"E
AH = N56°27'40.4"E

CURVE 2

PI STA = 2228+27.70
Y = 245512.960
X = 572213.808
DELTA = 14°35'33"
D = 2°33'37"
T = 286.51'
L = 569.93'
R = 2237.78'
PC STA = 2225+41.18
Y = 245349.939
X = 571978.192
PT STA = 2231+11.11
Y = 245730.084
X = 572400.751
BK = N55°19'15.1"E
AH = N40°43'42.5"E

CURVE 3

PI STA = 2231+19.73
Y = 245736.457
X = 572406.561
DELTA = 30°02'50"
D = 572°57'28"
T = 2.68'
L = 5.24'
R = 10.00'
PC STA = 2231+17.05
Y = 245734.474
X = 572404.753
PT STA = 2231+22.29
Y = 245737.269
X = 572409.119
BK = N42°21'01.3"E
AH = N72°23'51.8"E

CURVE 4

PI STA = 2233+77.13
Y = 245914.552
X = 572583.393
DELTA = 4°32'45"
D = 2°35'11"
T = 87.92'
L = 175.75'
R = 2215.22'
PC STA = 2232+89.21
Y = 245844.280
X = 572530.549
PT STA = 2234+64.96
Y = 245988.790
X = 572630.501
BK = N36°56'34.6"E
AH = N32°23'49.7"E

CURVE 5

PI STA = 2246+35.16
Y = 247069.853
X = 573067.952
DELTA = 16°20'04"
D = 238°43'57"
T = 3.44'
L = 6.84'
R = 24.00'
PC STA = 2246+31.71
Y = 247066.447
X = 573067.437
PT STA = 2246+38.55
Y = 247072.976
X = 573069.405
BK = N08°36'24.8"E
AH = N24°56'29.3"E

CURVE 6

PI STA = 2246+54.91
Y = 247087.803
X = 573076.300
DELTA = 7°06'38"
D = 220°22'06"
T = 1.62'
L = 3.23'
R = 26.00'
PC STA = 2246+53.29
Y = 247086.338
X = 573075.619
PT STA = 2246+56.52
Y = 247089.340
X = 573076.795
BK = N24°56'29.3"E
AH = N17°49'51.5"E

CURVE 7

PI STA = 2252+30.01
Y = 247611.355
X = 573213.269
DELTA = 102°14'08"
D = 224°51'57"
T = 31.60'
L = 45.47'
R = 25.48'
PC STA = 2251+98.41
Y = 247604.708
X = 573244.160
PT STA = 2252+43.88
Y = 247640.136
X = 573226.312
BK = N77°51'25.2"W
AH = N24°22'43.0"E

CURVE 8

PI STA = 2257+50.14
Y = 248120.217
X = 573386.289
DELTA = 12°31'39"
D = 572°57'28"
T = 1.10'
L = 2.19'
R = 10.00'
PC STA = 2257+49.04
Y = 248119.172
X = 573385.951
PT STA = 2257+51.23
Y = 248121.163
X = 573386.844
BK = N17°54'08.3"E
AH = N30°25'47.8"E

CURVE 9

PI STA = 2258+57.06
Y = 248212.412
X = 573440.444
DELTA = 9°32'04"
D = 28°47'31"
T = 16.60'
L = 33.11'
R = 199.00'
PC STA = 2258+40.46
Y = 248198.102
X = 573432.038
PT STA = 2258+73.58
Y = 248227.916
X = 573446.363
BK = N30°25'47.8"E
AH = N20°53'43.9"E

CURVE 10

PI STA = 2260+73.61
Y = 248414.982
X = 573517.226
DELTA = 6°27'18"
D = 6°57'53"
T = 46.39'
L = 92.68'
R = 822.65'
PC STA = 2260+27.22
Y = 248371.571
X = 573500.872
PT STA = 2261+19.91
Y = 248456.279
X = 573538.357
BK = N20°38'35.1"E
AH = N27°05'53.2"E

CURVE 11

PI STA = 2262+64.15
Y = 248584.689
X = 573604.063
DELTA = 3°40'09"
D = 13°48'53"
T = 13.28'
L = 26.56'
R = 414.74'
PC STA = 2262+50.87
Y = 248572.863
X = 573598.011
PT STA = 2262+77.43
Y = 248596.104
X = 573610.858
BK = N27°05'53.2"E
AH = N30°46'02.3"E

CURVE 12

PI STA = 2269+32.95
Y = 249155.531
X = 573952.452
DELTA = 48°37'00"
D = 393°07'26"
T = 6.58'
L = 12.37'
R = 14.57'
PC STA = 2269+26.36
Y = 249149.945
X = 573948.968
PT STA = 2269+38.73
Y = 249161.838
X = 573950.565
BK = N31°57'28.2"E
AH = N16°39'31.9"W

CURVE 13

PI STA = 2269+54.79
Y = 249177.225
X = 573945.961
DELTA = 50°08'28"
D = 229°10'59"
T = 11.70'
L = 21.88'
R = 25.00'
PC STA = 2269+43.10
Y = 249166.020
X = 573949.313
PT STA = 2269+64.97
Y = 249186.979
X = 573952.413
BK = N16°39'31.9"W
AH = N33°28'55.9"E

CURVE 14

PI STA = 2270+21.52
Y = 249234.140
X = 573983.606
DELTA = 50°08'28"
D = 229°10'59"
T = 11.70'
L = 21.88'
R = 25.00'
PC STA = 2270+09.82
Y = 249224.385
X = 573977.154
PT STA = 2270+31.70
Y = 249245.344
X = 573980.254
BK = N33°28'55.9"E
AH = N16°39'31.9"W

CURVE 15

PI STA = 2270+40.96
Y = 249254.219
X = 573977.598
DELTA = 48°31'18"
D = 572°57'28"
T = 4.51'
L = 8.47'
R = 10.00'
PC STA = 2270+36.46
Y = 249249.901
X = 573978.890
PT STA = 2270+44.93
Y = 249258.046
X = 573979.977
BK = N16°39'31.9"W
AH = N31°51'46.3"E

CURVE 16

PI STA = 2271+28.01
Y = 249328.609
X = 574023.835
DELTA = 50°08'28"
D = 572°57'28"
T = 4.68'
L = 8.75'
R = 10.00'
PC STA = 2271+23.33
Y = 249324.636
X = 574021.366
PT STA = 2271+32.08
Y = 249329.260
X = 574028.468
BK = N31°51'46.3"E
AH = N82°00'14.1"E

CURVE 17

PI STA = 2271+71.22
Y = 249334.704
X = 574067.223
DELTA = 49°48'58"
D = 229°10'59"
T = 11.61'
L = 21.74'
R = 25.00'
PC STA = 2271+59.61
Y = 249333.089
X = 574055.727
PT STA = 2271+81.34
Y = 249344.529
X = 574073.407
BK = N82°00'14.1"E
AH = N32°11'16.6"E

CURVE 18

PI STA = 2273+95.42
Y = 249525.701
X = 574187.444
DELTA = 36°02'38"
D = 572°57'28"
T = 3.25'
L = 6.29'
R = 10.00'
PC STA = 2273+92.17
Y = 249522.948
X = 574185.711
PT STA = 2273+98.46
Y = 249528.947
X = 574187.226
BK = N32°11'16.6"E
AH = N03°51'21.6"W

CURVE 19

PI STA = 2274+12.86
Y = 249543.313
X = 574186.257
DELTA = 36°02'38"
D = 572°57'28"
T = 3.25'
L = 6.29'
R = 10.00'
PC STA = 2274+09.60
Y = 249540.067
X = 574186.476
PT STA = 2274+15.89
Y = 249546.067
X = 574187.990
BK = N03°51'21.6"W
AH = N32°11'16.6"E

CURVE 20

PI STA = 2277+69.47
Y = 249848.713
X = 574370.581
DELTA = 27°59'11"
D = 955°41'48"
T = 1.49'
L = 2.93'
R = 6.00'
PC STA = 2277+67.98
Y = 249847.474
X = 574369.746
PT STA = 2277+70.91
Y = 249850.199
X = 574370.736
BK = N33°56'53.6"E
AH = N05°57'42.8"E

CURVE 21

PI STA = 2277+91.06
Y = 249870.246
X = 574372.829
DELTA = 25°18'40"
D = 1432°23'40"
T = 0.90'
L = 1.77'
R = 4.00'
PC STA = 2277+90.16
Y = 249869.352
X = 574372.736
PT STA = 2277+91.93
Y = 249871.013
X = 574373.296
BK = N05°57'42.8"E
AH = N31°16'23.2"E

CURVE 22

PI STA = 2284+45.40
Y = 250427.461
X = 574715.885
DELTA = 5°45'32"
D = 28°47'31"
T = 10.01'
L = 20.00'
R = 199.00'
PC STA = 2284+35.39
Y = 250418.967
X = 574710.590
PT STA = 2284+55.39
Y = 250435.380
X = 574722.006
BK = N31°56'22.4"E
AH = N37°41'54.3"E

CURVE 23

PI STA = 2286+45.93
Y = 250586.141
X = 574838.520
DELTA = 4°42'01"
D = 3°15'57"
T = 72.00'
L = 143.92'
R = 1754.41'
PC STA = 2285+73.92
Y = 250529.170
X = 574794.491
PT STA = 2287+17.85
Y = 250646.528
X = 574877.734
BK = N37°41'54.3"E
AH = N32°59'53.3"E

CURVE 24

PI STA = 2290+65.19
Y = 250937.839
X = 575066.899
DELTA = 4°41'58"
D = 28°30'19"
T = 8.25'
L = 16.49'
R = 201.00'
PC STA = 2290+56.94
Y = 250930.921
X = 575062.408
PT STA = 2290+73.43
Y = 250945.101
X = 575070.810
BK = N32°59'53.3"E
AH = N28°17'54.9"E

CURVE 25

PI STA = 2292+47.36
Y = 251098.252
X = 575153.268
DELTA = 6°47'10"
D = 7°09'43"
T = 47.43'
L = 94.75'
R = 800.00'
PC STA = 2291+99.93
Y = 251056.489
X = 575130.783
PT STA = 2292+94.68
Y = 251137.064
X = 575180.530
BK = N28°17'54.9"E
AH = N35°05'04.5"E

CURVE 26

PI STA = 2313+52.02
Y = 252882.911
X = 576253.498
DELTA = 12°05'31"
D = 28°47'31"
T = 21.08'
L = 42.00'
R = 199.00'
PC STA = 2313+30.94
Y = 252863.190
X = 576246.061
PT STA = 2313+72.94
Y = 252900.637
X = 576264.901
BK = N20°39'44.0"E
AH = N32°45'14.7"E

CURVE 27

PI STA = 2317+78.74
Y = 253237.097
X = 576491.719
DELTA = 6°10'06"
D = 28°47'31"
T = 10.72'
L = 21.42'
R = 199.00'
PC STA = 2317+68.02
Y = 253228.254
X = 576485.656
PT STA = 2317+89.45
Y = 253245.238
X = 576498.697
BK = N34°26'04.9"E
AH = N40°36'10.8"E

CURVE 28

PI STA = 2330+90.96
Y = 254203.901
X = 577378.079
DELTA = 19°24'32"
D = 23°00'37"
T = 42.58'
L = 84.35'
R = 249.00'
PC STA = 2330+48.38
Y = 254173.734
X = 577348.026
PT STA = 2331+32.73
Y = 254222.368
X = 577416.449
BK = N44°53'28.0"E
AH = N64°18'00.0"E

CURVE 29

PI STA = 2331+89.35
Y = 254246.922
X = 577467.469
DELTA = 12°46'40"
D = 22°49'37"
T = 28.10'
L = 55.98'
R = 251.00'
PC STA = 2331+61.24
Y = 254234.734
X = 577442.144
PT STA = 2332+17.22
Y = 254264.409
X = 577489.471
BK = N64°18'00.0"E
AH = N51°31'20.0"E

CURVE 30

PI STA = 2334+50.23
Y = 254409.390
X = 577671.881
DELTA = 5°45'26"
D = 23°00'37"
T = 12.52'
L = 25.02'
R = 249.00'
PC STA = 2334+37.71
Y = 254401.599
X = 577662.080
PT STA = 2334+62.73
Y = 254416.158
X = 577682.415
BK = N51°31'20.0"E
AH = N57°16'46.1"E

CURVE 31

PI STA = 2337+55.93
Y = 254574.648
X = 577929.094
DELTA = 12°54'00"
D = 22°49'37"
T = 28.38'
L = 56.51'
R = 251.00'
PC STA = 2337+27.56
Y = 254559.309
X = 577905.221
PT STA = 2337+84.07
Y = 254594.928
X = 577948.941
BK = N57°16'46.1"E
AH = N44°22'46.4"E

CURVE 32

PI STA = 2338+48.94
Y = 254641.292
X = 577994.310
DELTA = 25°09'21"
D = 23°00'37"
T = 55.56'
L = 109.32'
R = 249.00'
PC STA = 2337+93.38
Y = 254601.584
X = 577955.453
PT STA = 2339+02.71
Y = 254660.716
X = 578046.361
BK = N44°22'46.4"E
AH = N69°32'07.2"E

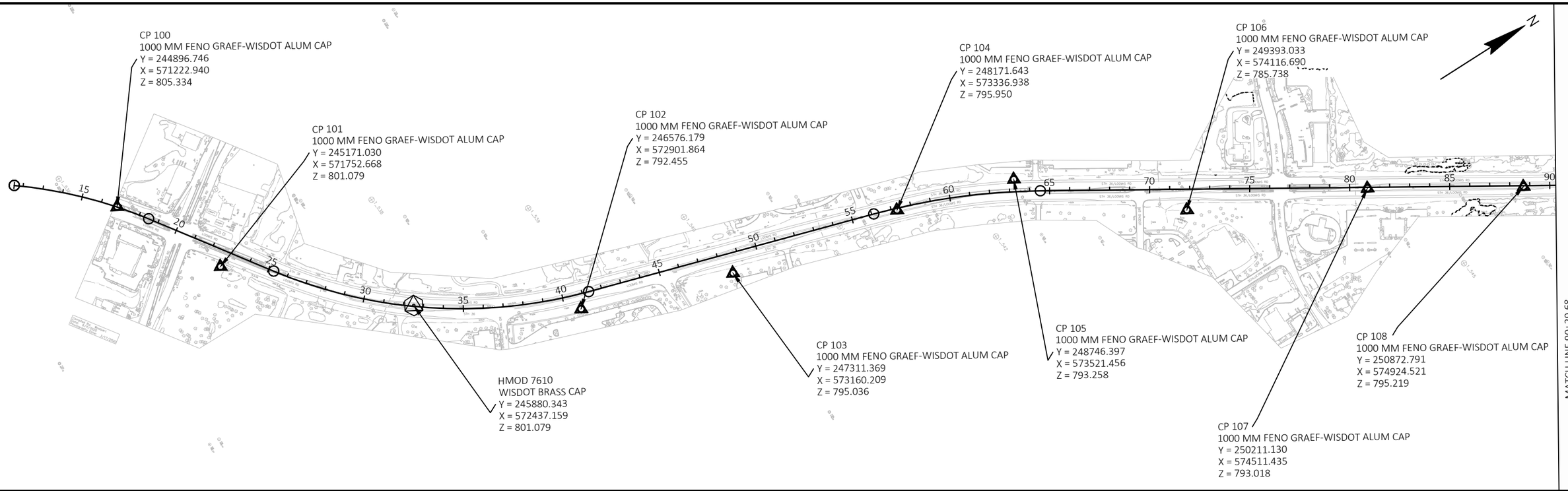
CURVE 33

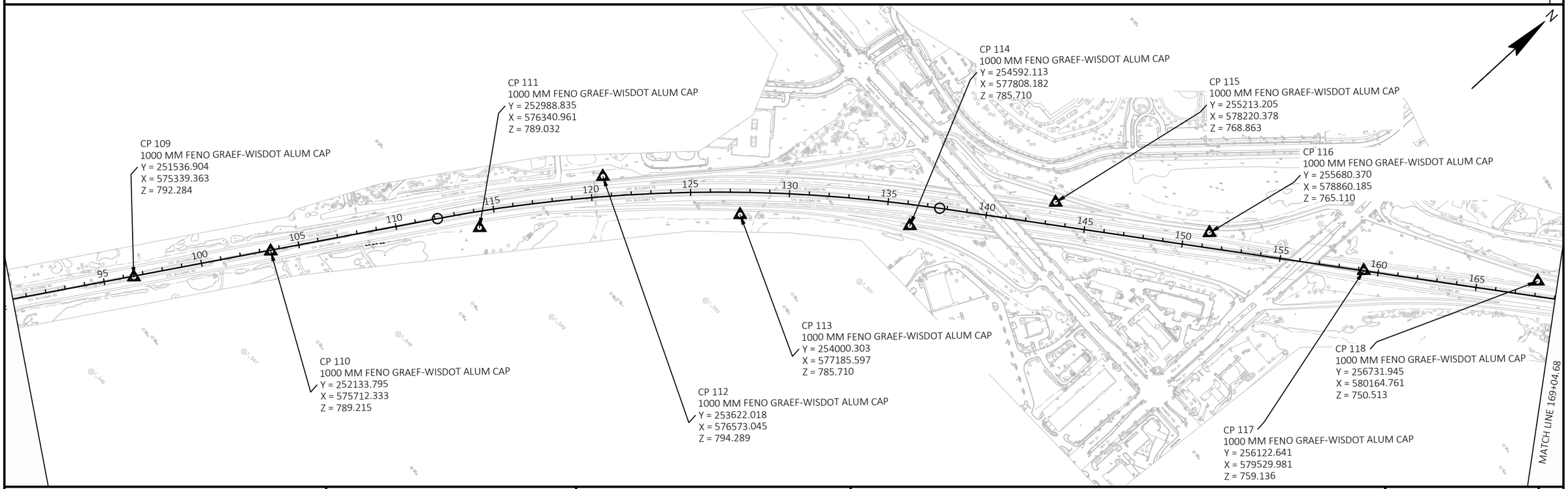
PI STA = 2340+40.85
Y = 254709.014
X = 578175.784
DELTA = 8°44'09"
D = 28°47'31"
T = 15.20'
L = 30.34'
R = 199.00'
PC STA = 2340+25.65
Y = 254703.700
X = 578161.543
PT STA = 2340+55.99
Y = 254712.104
X = 578190.667
BK = N69°32'07.2"E
AH = N78°16'16.4"E

CURVE 34

PI STA = 2343+65.67
Y = 254775.057
X = 578493.884
DELTA = 77°12'24"
D = 49°49'21"
T = 91.81'
L = 154.96'
R = 115.00'
PC STA = 2342+73.86
Y = 254756.393
X = 578403.987
PT STA = 2344+28.82
Y = 254866.855
X = 578495.590
BK = N78°16'16.4"E
AH = N01°03'52.2"E

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS SIDEWALK	SHEET 211	E





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS- SURVEY CONTROL	SHEET 212	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 01
PLOT DATE : 10/26/2023 1:19 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE 169+04.68

CP 119
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 257146.273
X = 580812.351
Z = 728.831

CP 120
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 257569.153
X = 581489.560
Z = 717.478

CP 121
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 258177.125
X = 582178.514
Z = 708.338

CP 122
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 258804.135
X = 582600.019
Z = 708.170

CP 123
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 259492.099
X = 582987.000
Z = 709.453

CP 124
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 260133.325
X = 583381.089
Z = 714.745

CP 125
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 260908.990
X = 583596.139
Z = 729.245

CP 126
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 261665.644
X = 584021.494
Z = 735.522

CP 127
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 262421.704
X = 584232.241
Z = 734.553

170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245

2

CP 128
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 263126.552
X = 584606.823
Z = 742.786

CP 129
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 263854.109
X = 584851.734
Z = 761.920

CP 130
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 264657.072
X = 585183.721
Z = 786.480

CP 131
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 265360.588
X = 585516.727
Z = 803.651

CP 132
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 265969.857
X = 585920.385
Z = 819.333

CP 133
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 266555.661
X = 586423.588
Z = 813.812

CP 134
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 267179.918
X = 586972.822
Z = 804.887

CP 135
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 267755.180
X = 587476.379
Z = 793.962

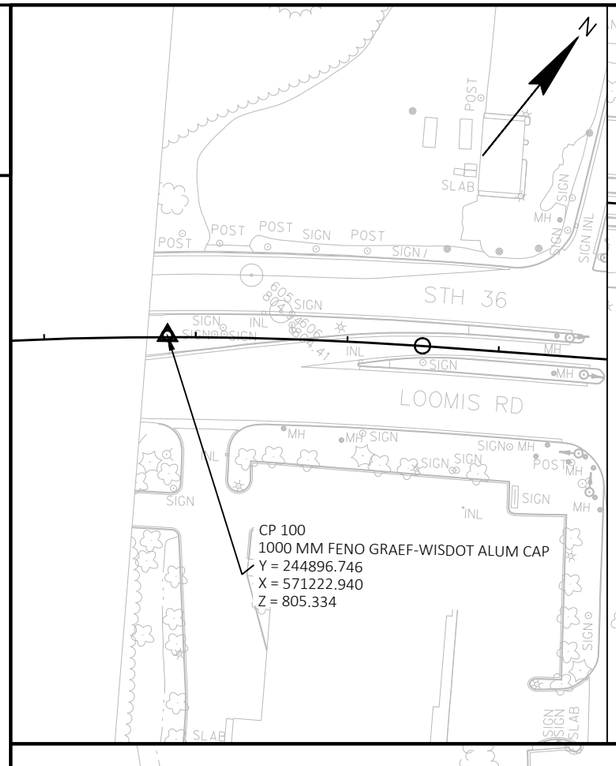
250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325

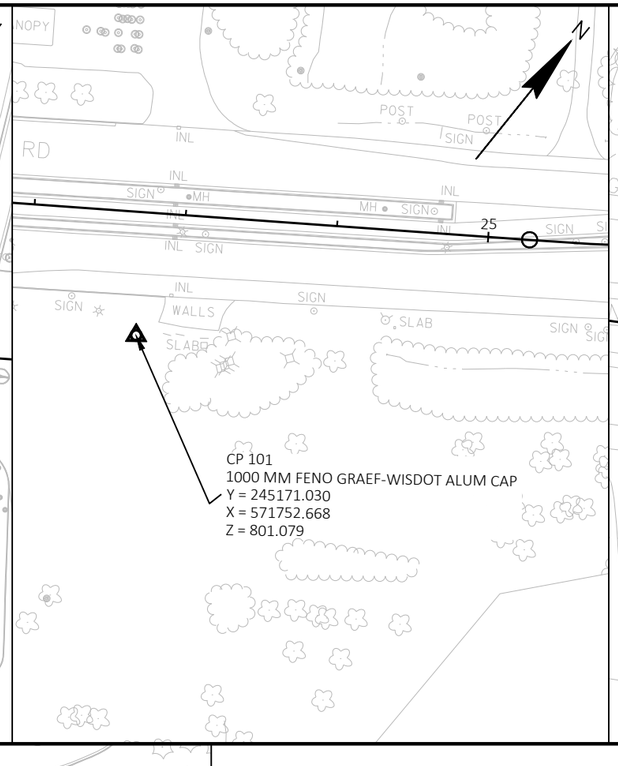
MATCH LINE 326+54.68

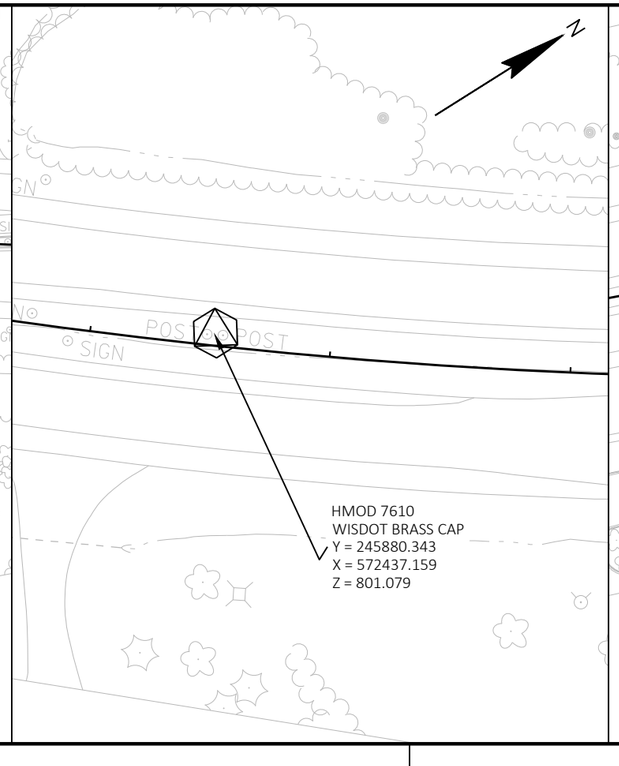
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 213	E

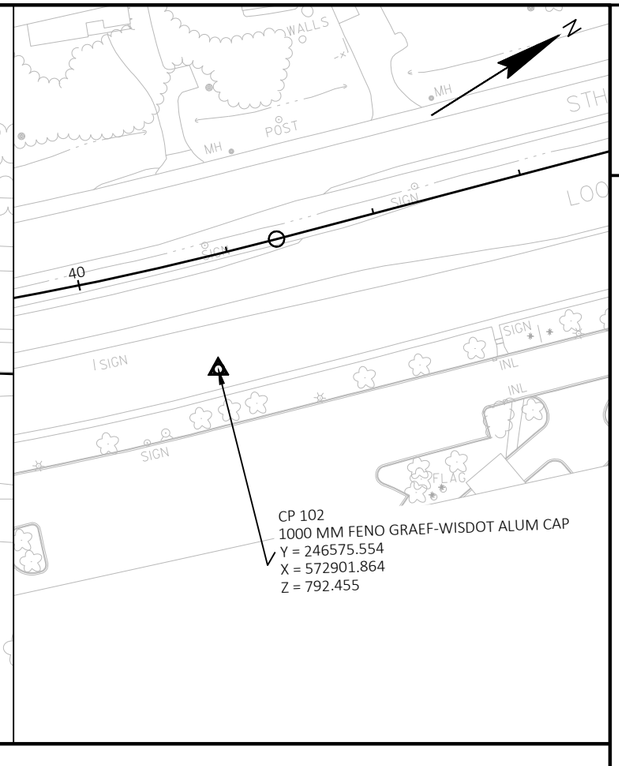
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 02

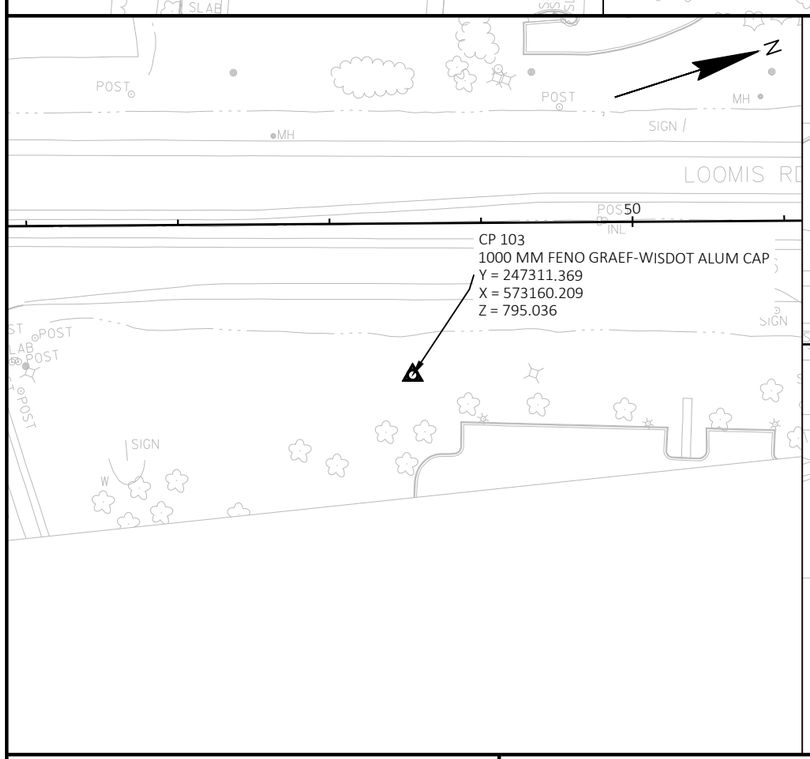
PLOT DATE : 10/26/2023 1:19 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:500 FT

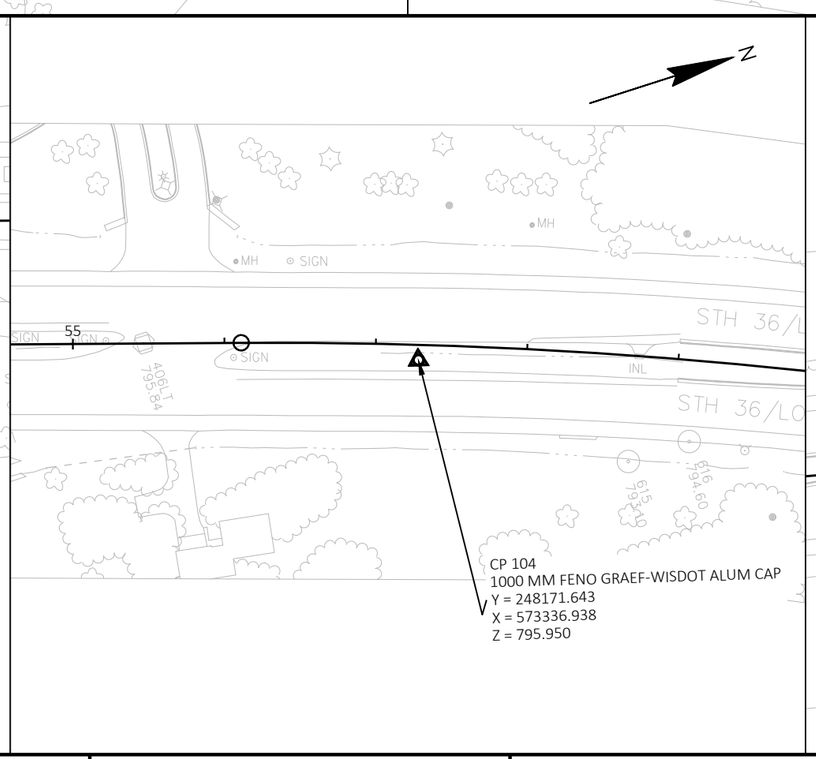


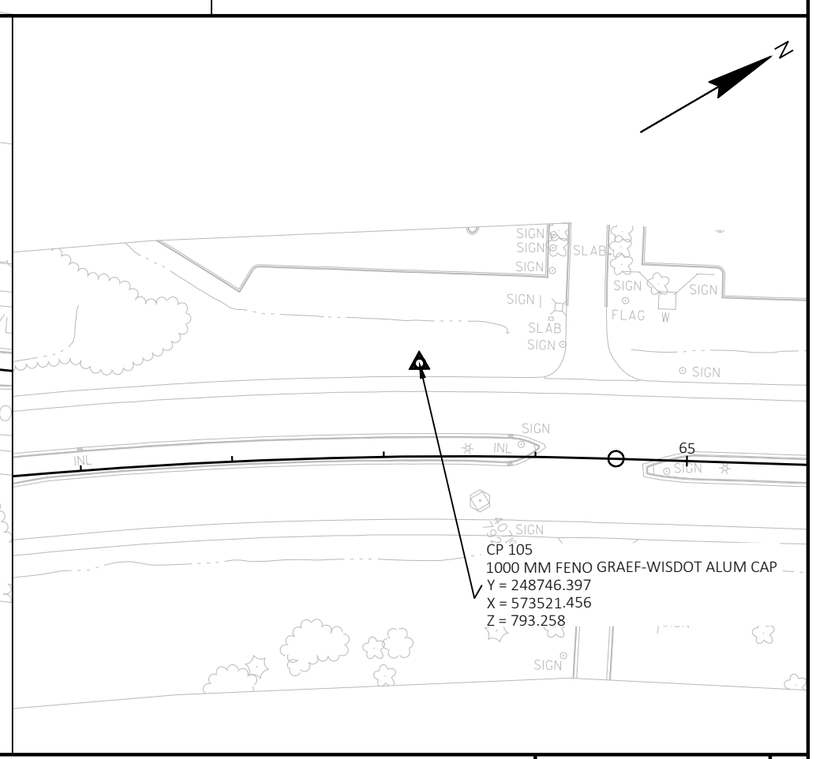




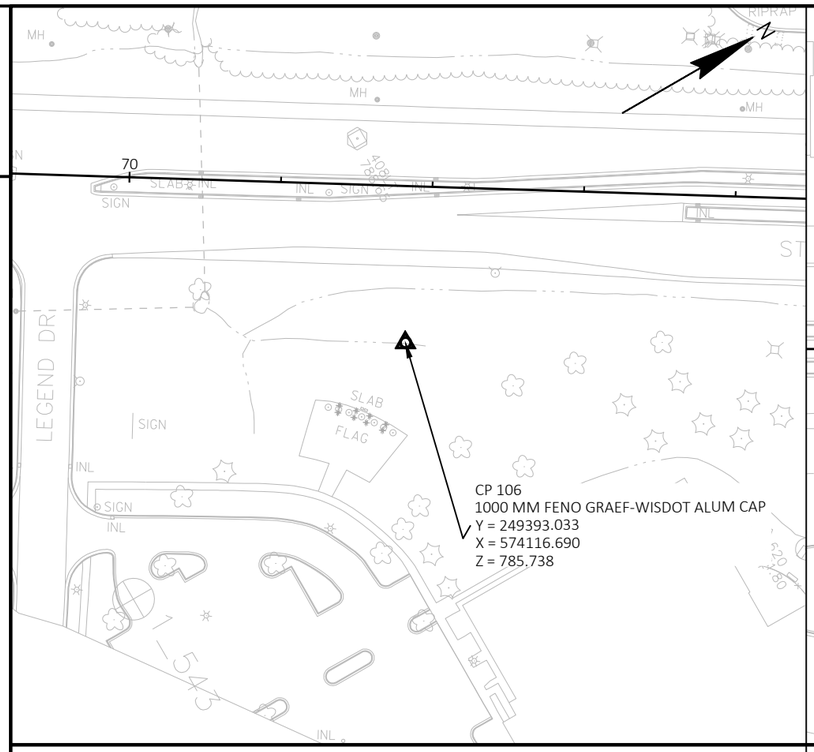


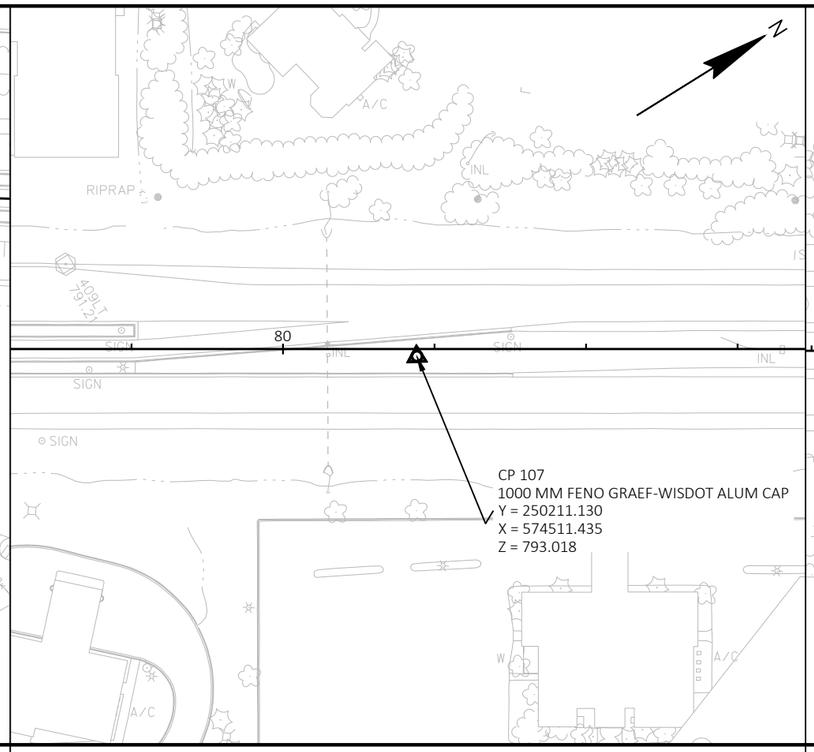


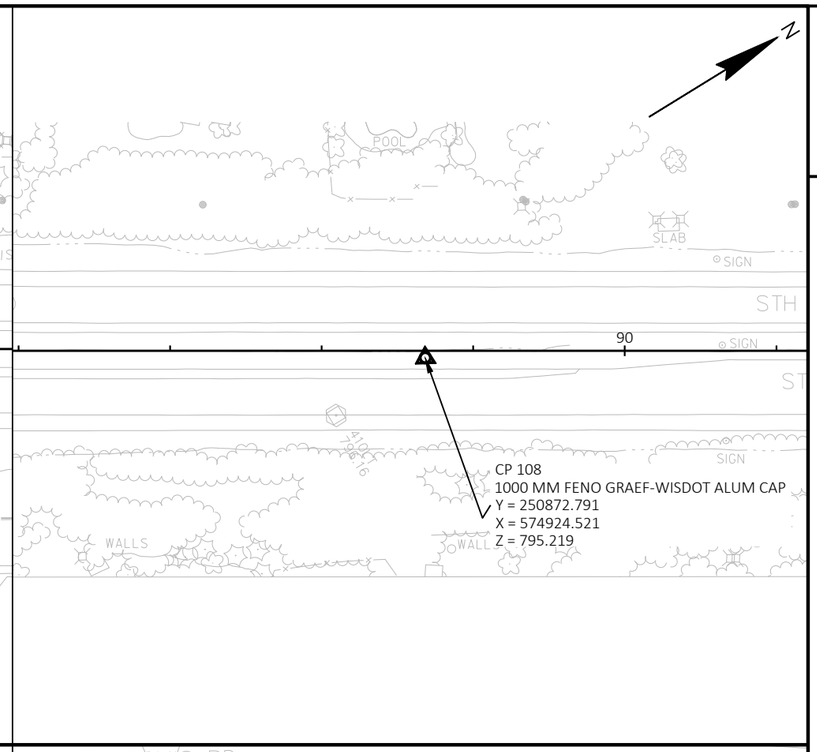


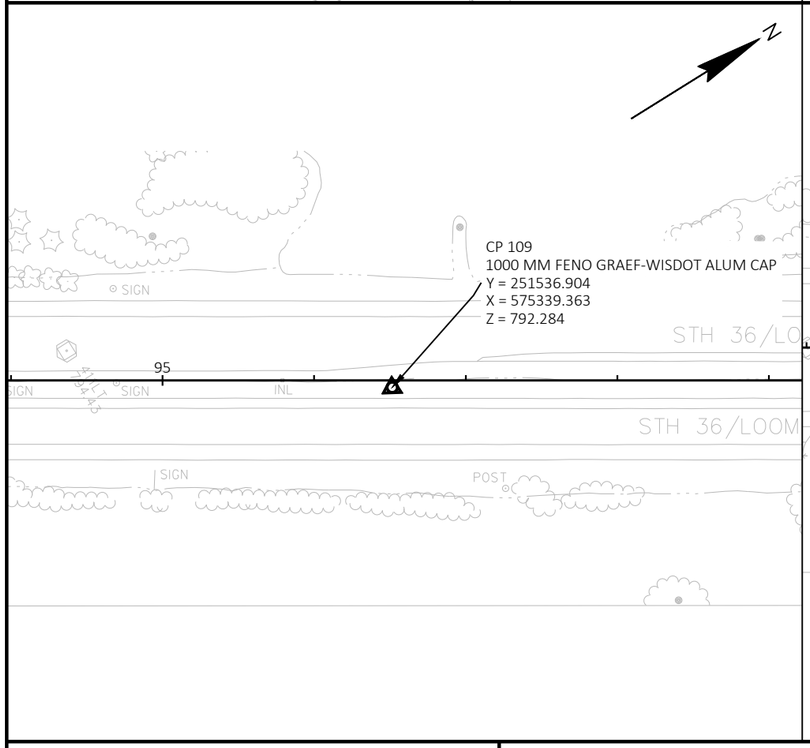


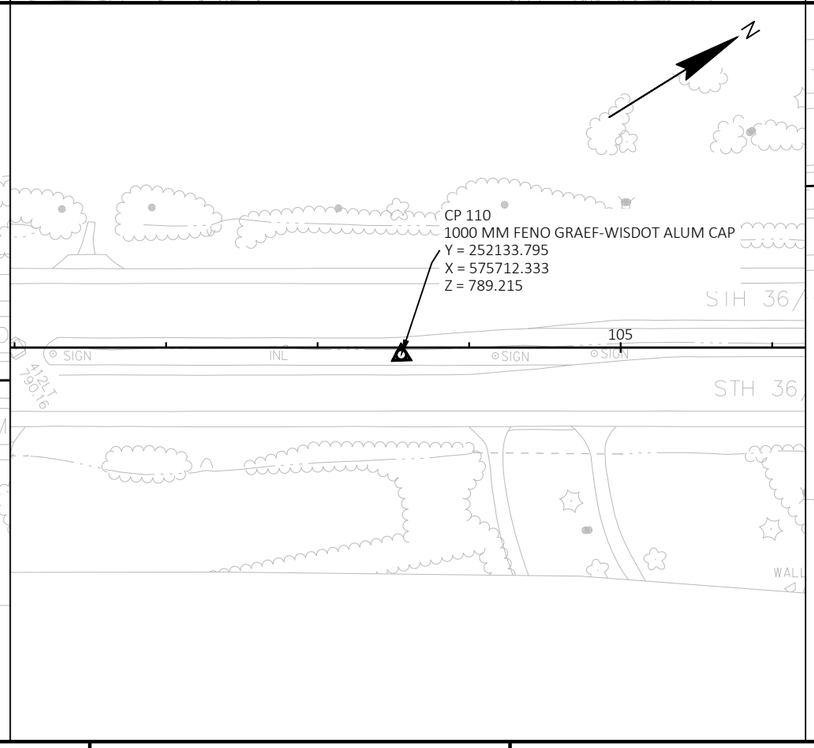
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT CONTROL - SURVEY CONTROL	SHEET 214	E

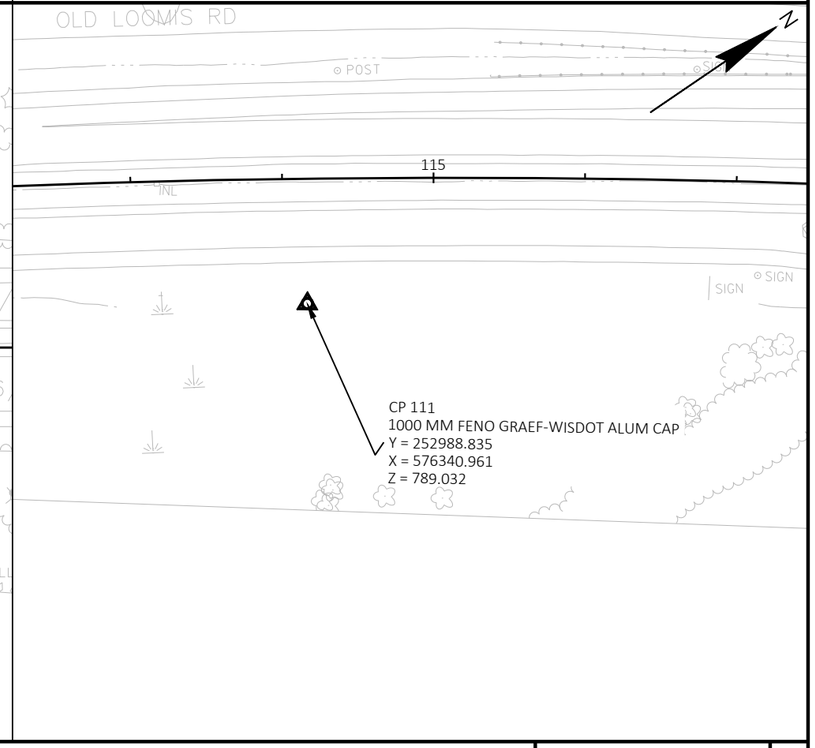








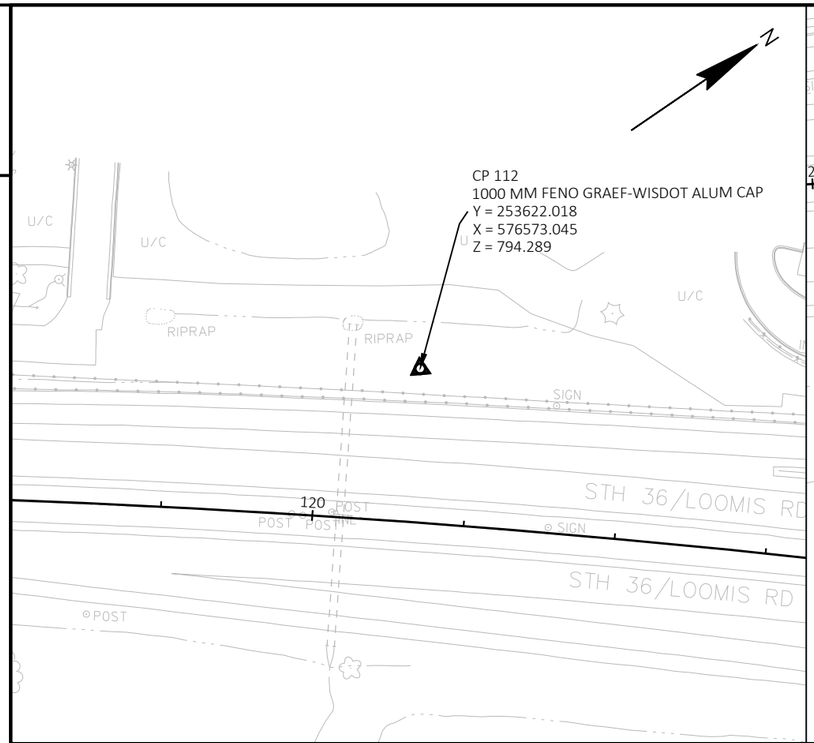


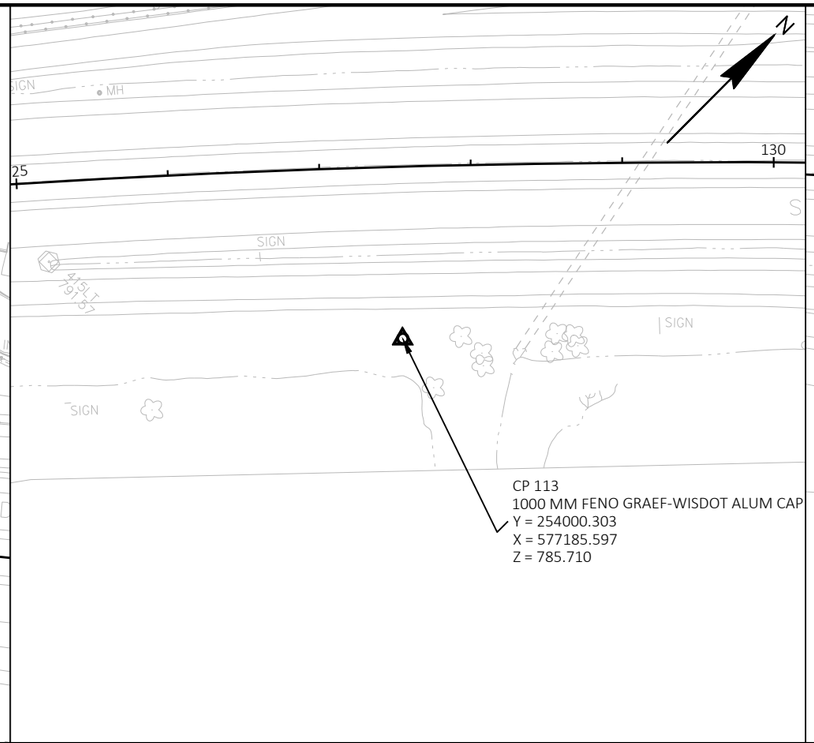


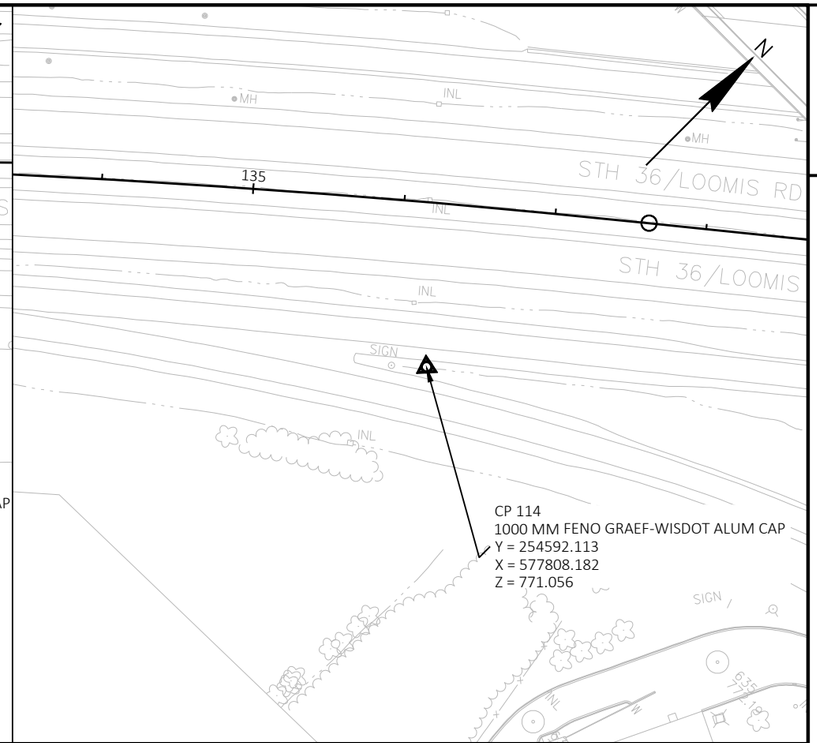
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 215	E

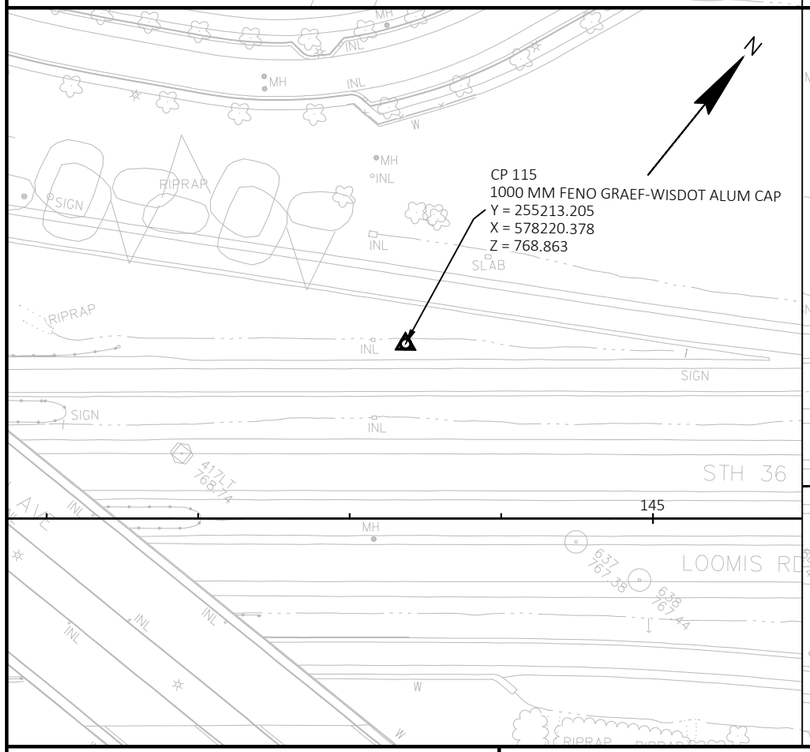
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 02

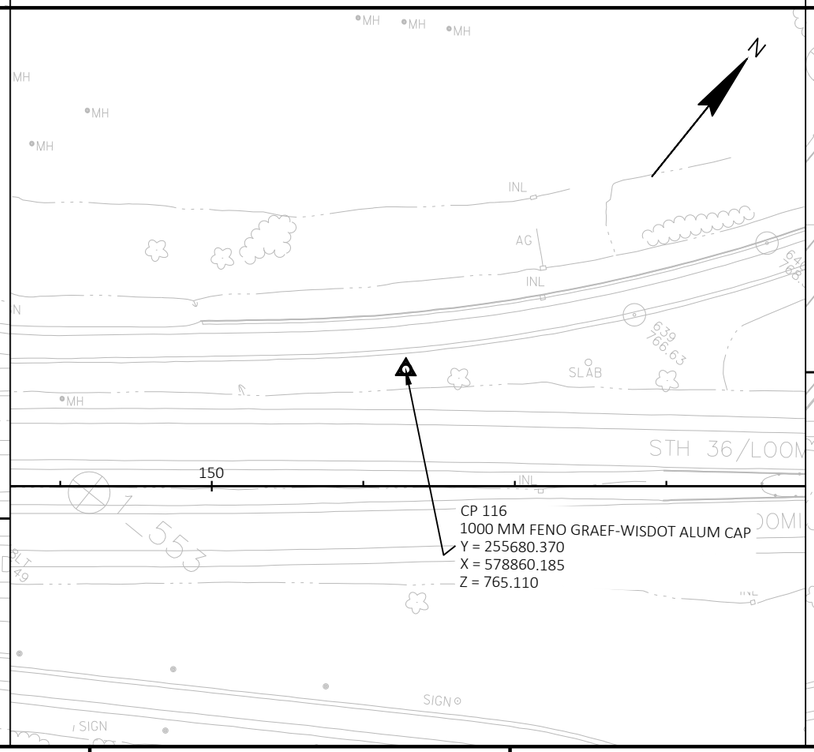
PLOT DATE : 10/26/2023 1:32 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : ############

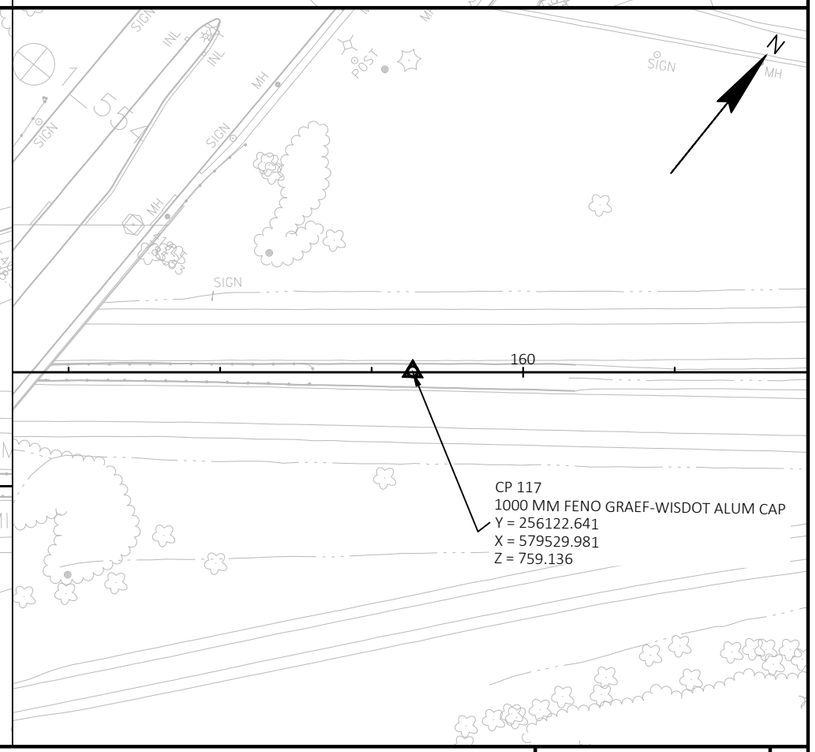






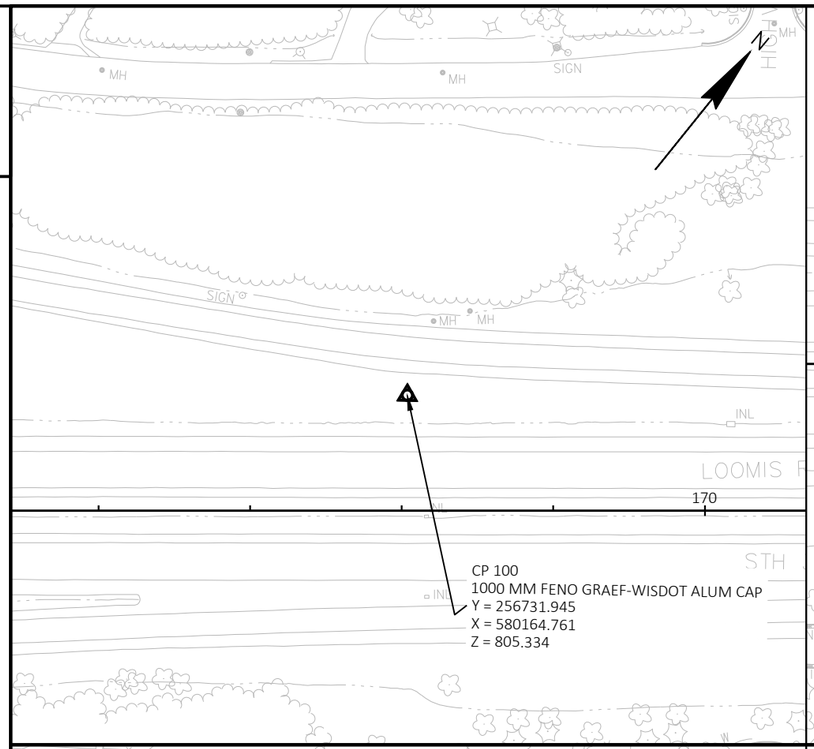


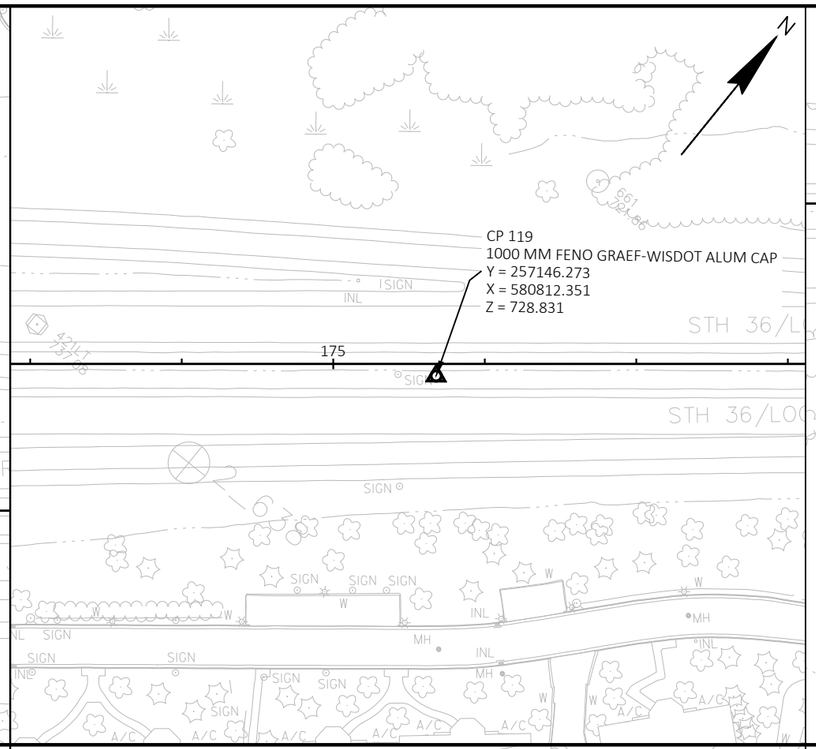


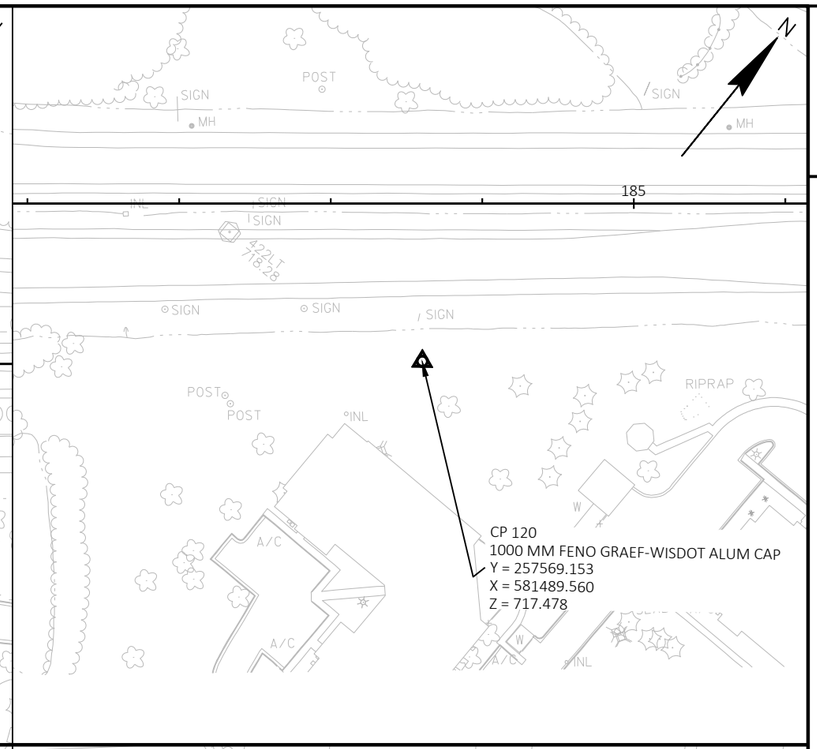


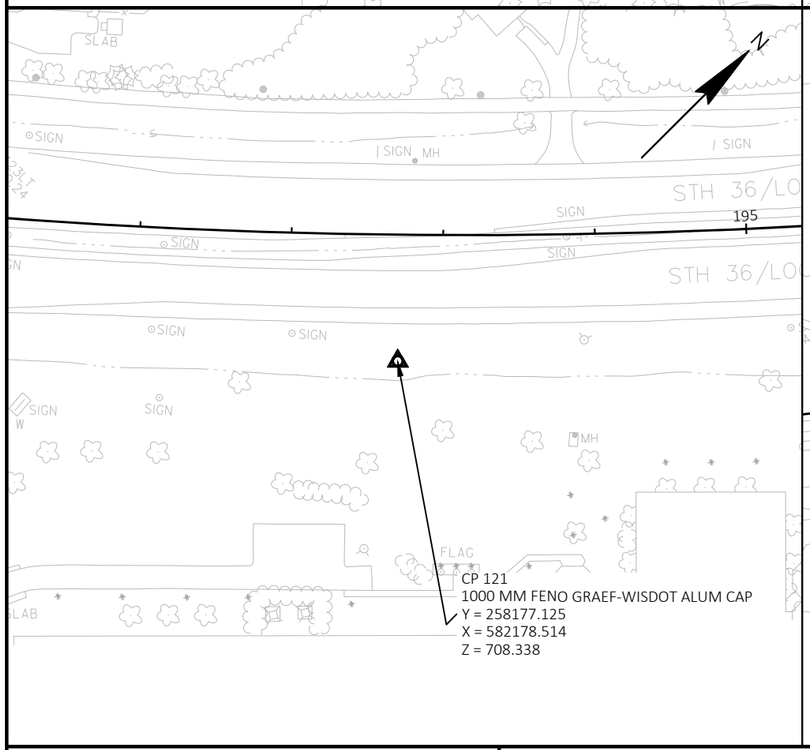
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 216	E

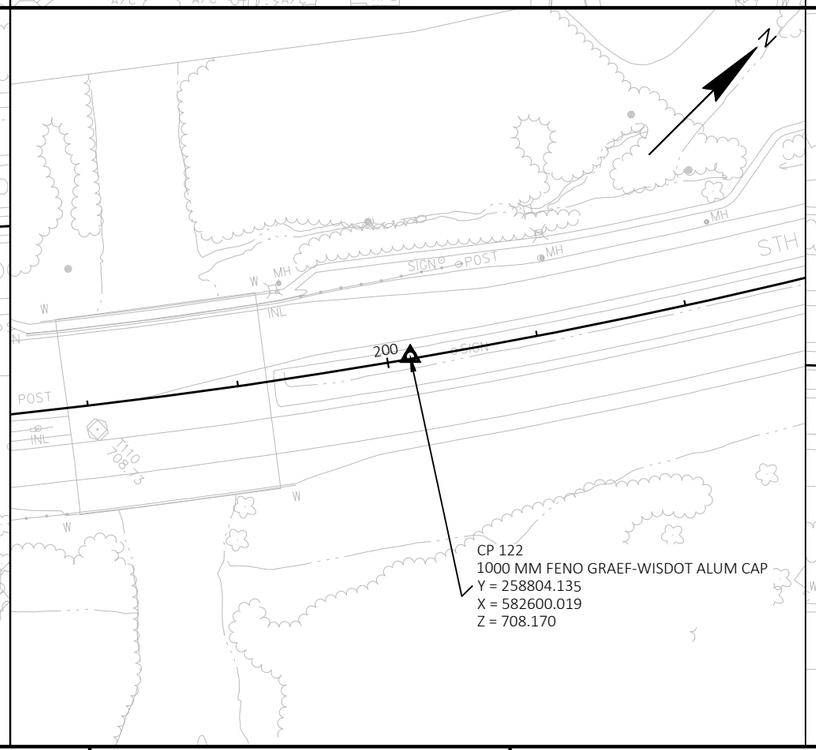
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 03
PLOT DATE : 10/26/2023 1:33 PM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

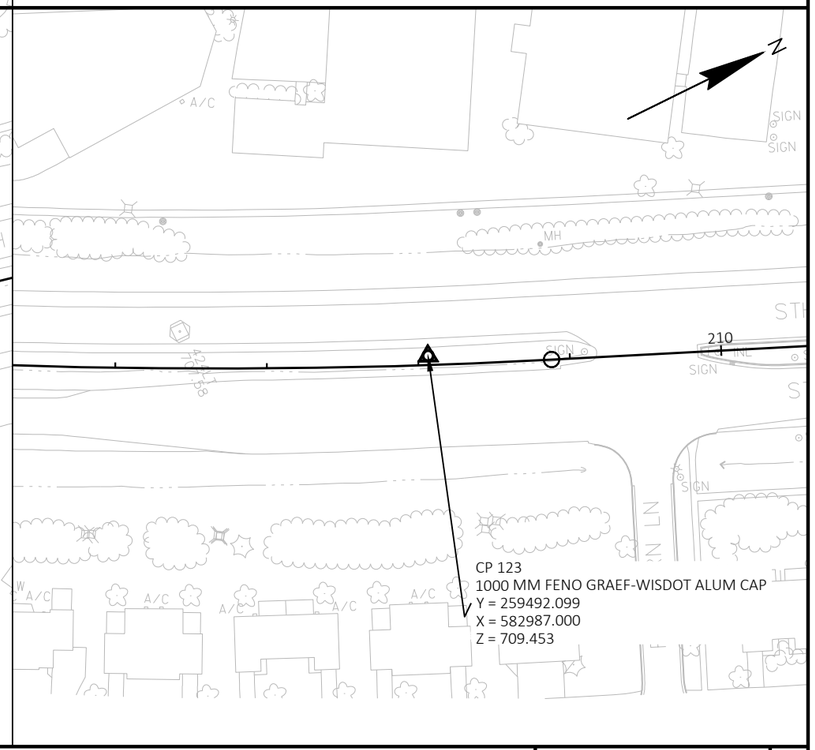

N
MH
SIGN
MH
MH
SIGN
MH
MH
INL
LOOMIS
170
STH
INL
CP 100
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 256731.945
X = 580164.761
Z = 805.334

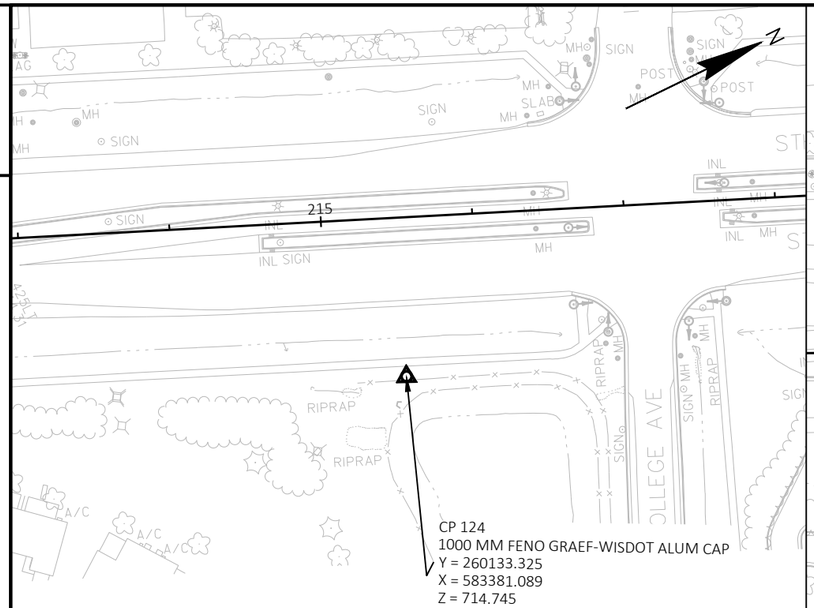

N
SIGN
INL
SIGN
STH 36/L
175
SIGN
CP 119
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 257146.273
X = 580812.351
Z = 728.831
STH 36/LO
SIGN
SIGN SIGN
W
W
INL
MH
INL
SIGN
SIGN
SIGN
SIGN
A/C
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A/C
A/C
A/C
W
A/C

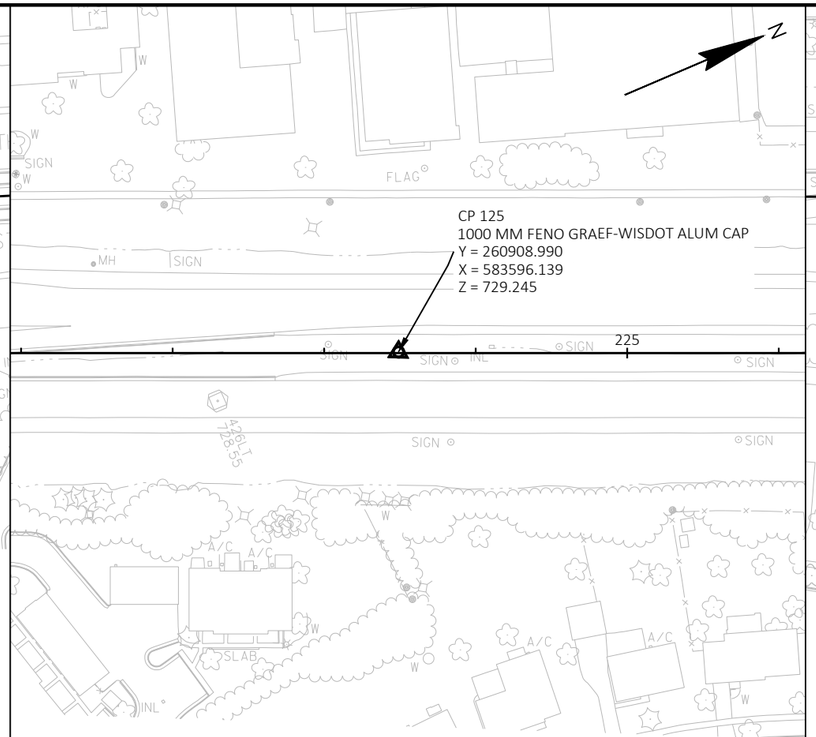

N
SIGN
MH
SIGN
MH
185
INL
SIGN
SIGN
SIGN
SIGN
POST
POST
INL
RIPRAP
CP 120
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 257569.153
X = 581489.560
Z = 717.478
A/C
A/C
W
A/C
INL

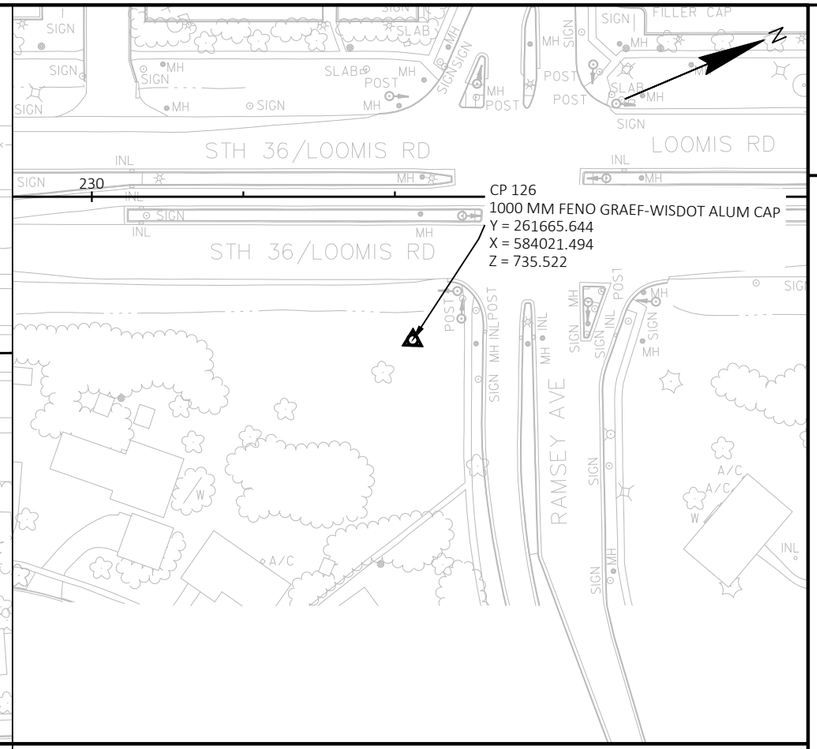

N
SLAB
SIGN
SIGN
MH
SIGN
STH 36/LO
195
SIGN
SIGN
STH 36/LO
SIGN
SIGN
SIGN
W
MH
FLAG
SLAB
CP 121
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 258177.125
X = 582178.514
Z = 708.338

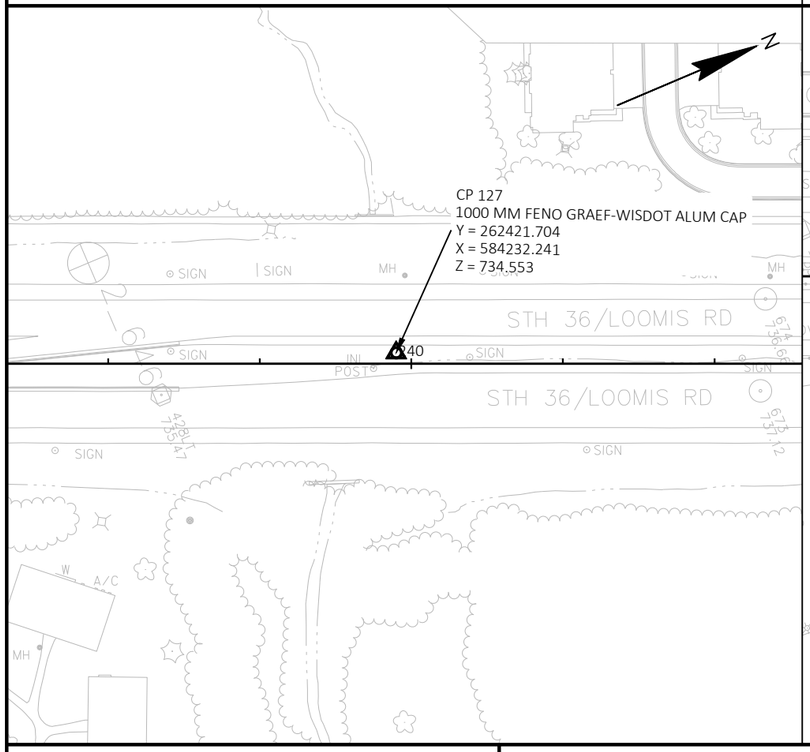

N
W
MH
SIGN
POST
MH
INL
STH
200
POST
INL
W
W
CP 122
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 258804.135
X = 582600.019
Z = 708.170

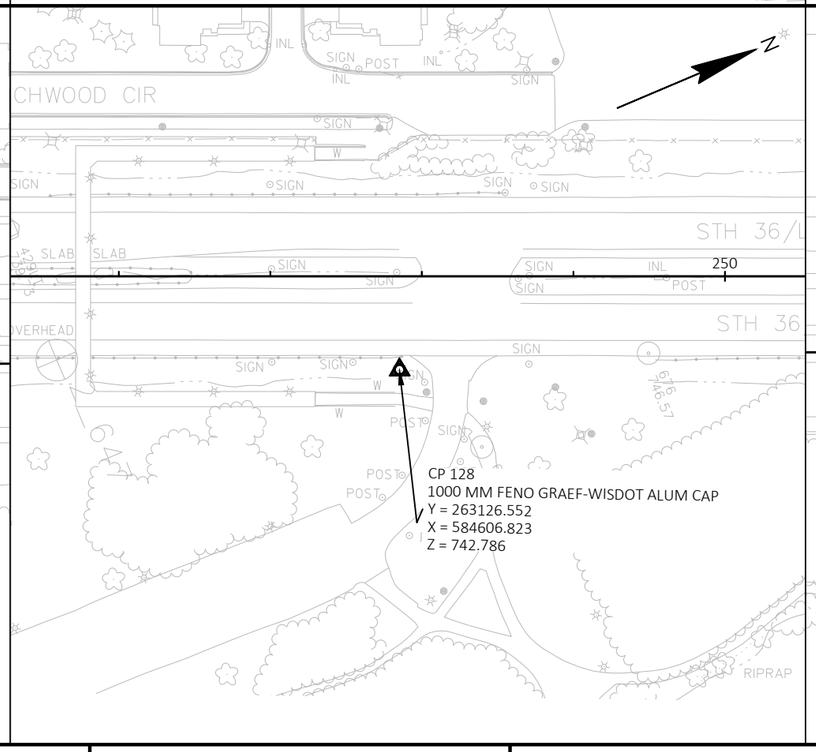

N
A/C
MH
SIGN
SIGN
STH
210
SIGN
INL
SIGN
INL
W
A/C
A/C
A/C
A/C
A/C
CP 123
1000 MM FENO GRAEF-WISDOT ALUM CAP
Y = 259492.099
X = 582987.000
Z = 709.453

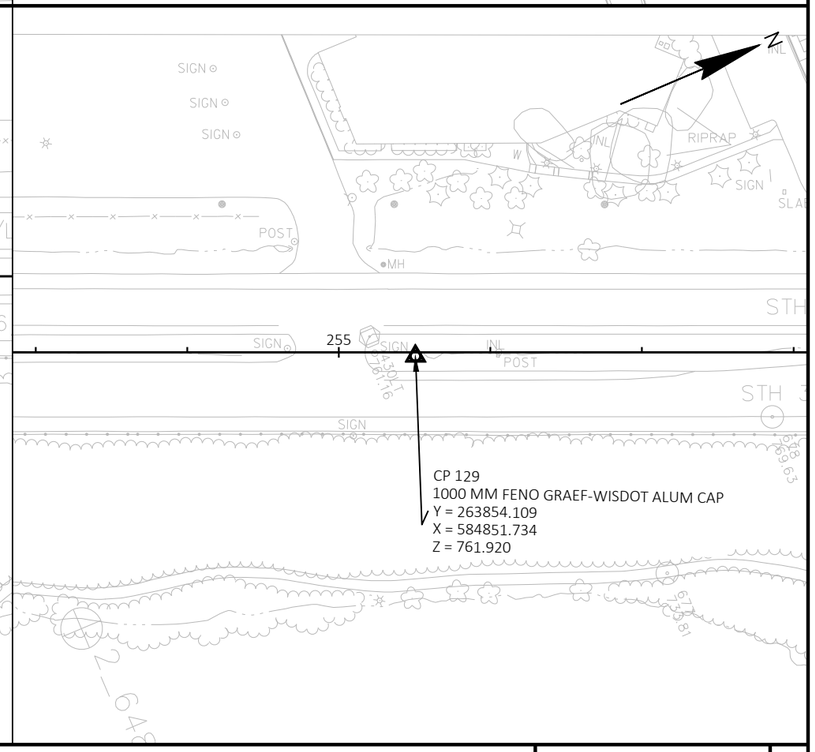




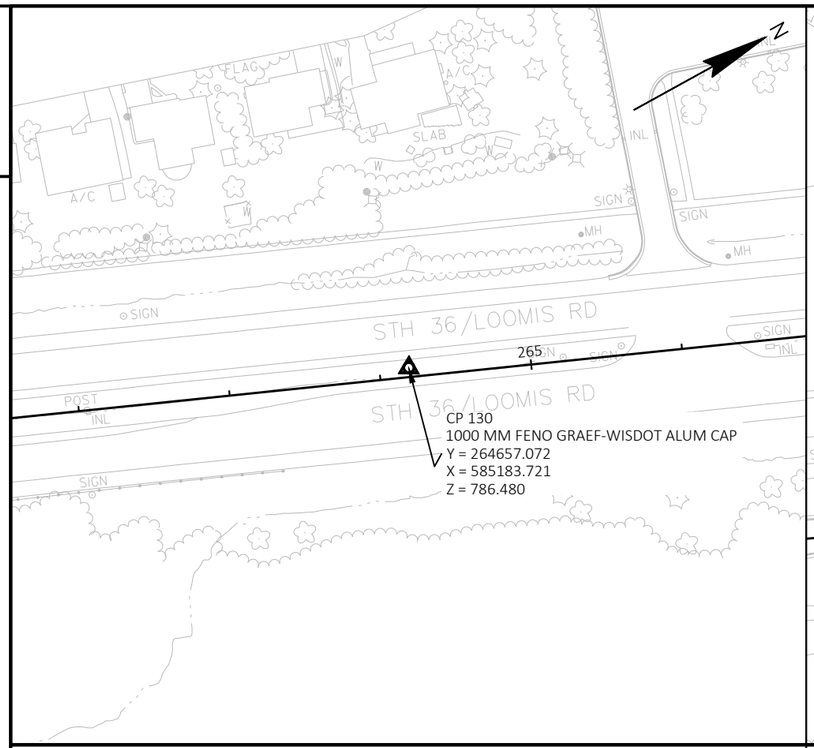


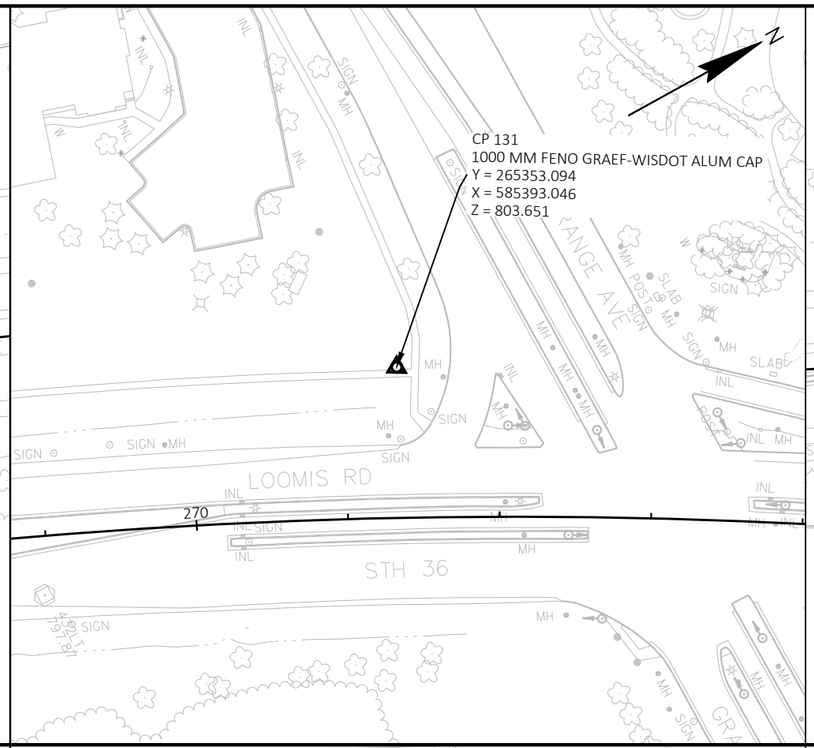


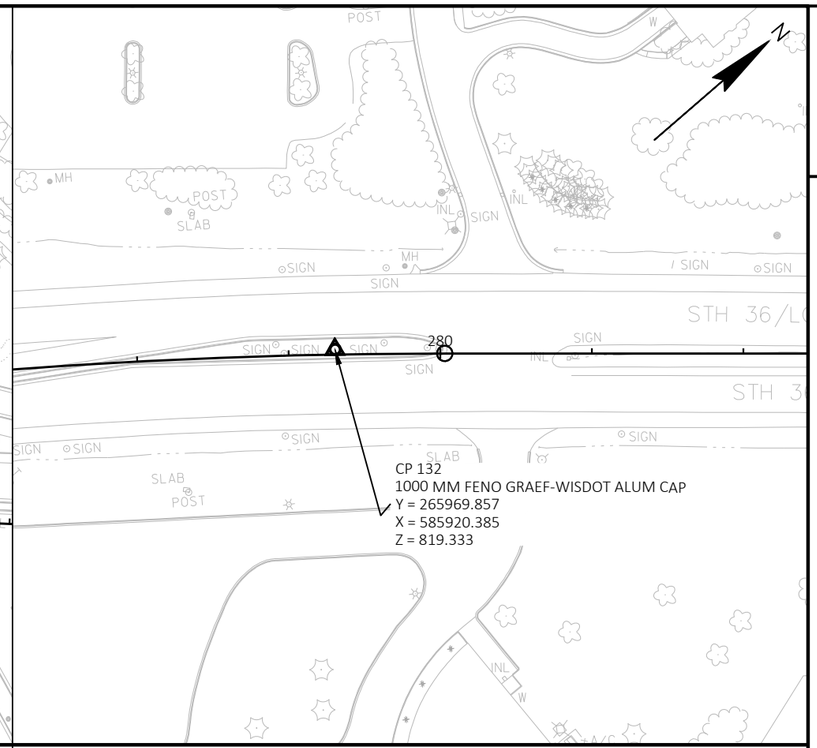


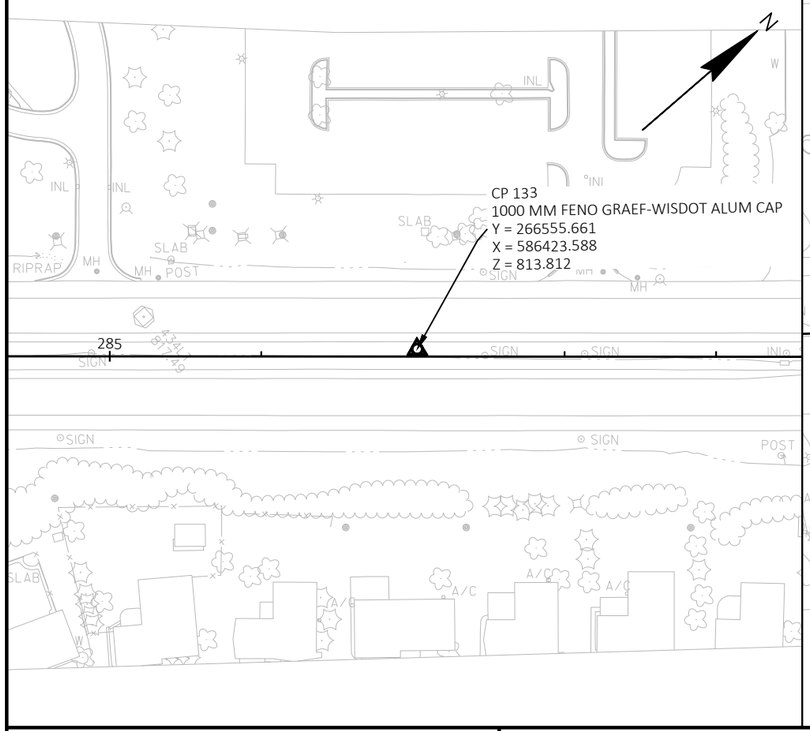


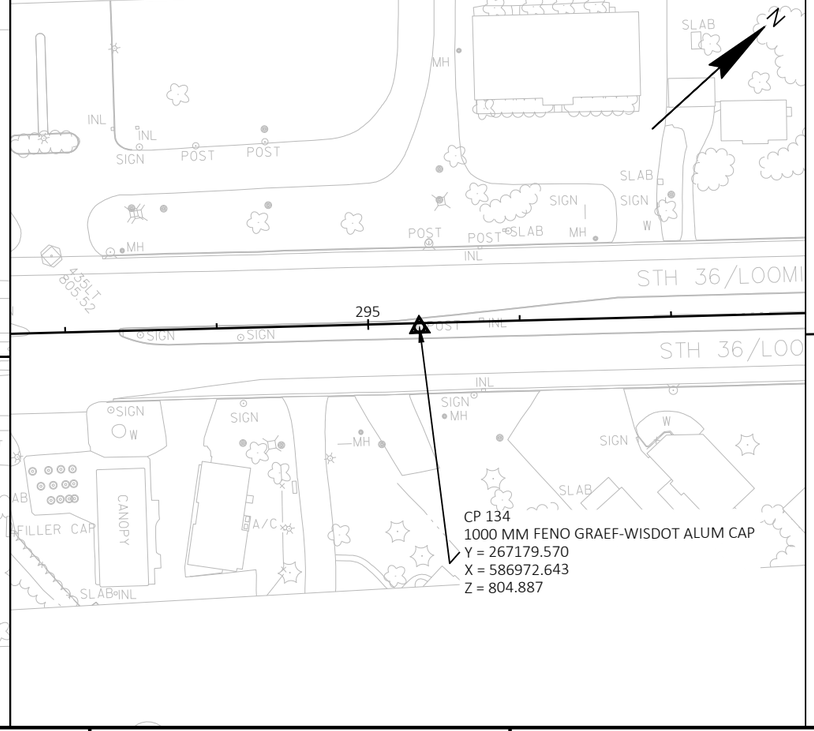
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 218	E

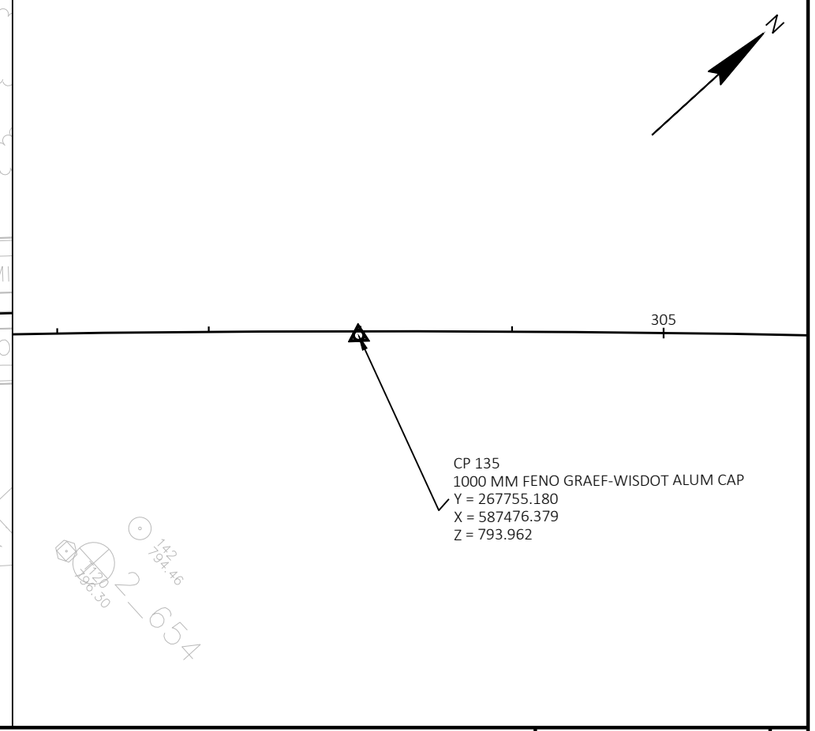












PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 219	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 06

PLOT DATE : 10/26/2023 1:36 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

Estimate Of Quantities

2240-00-78

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	9.000	9.000
0004	201.0220	Grubbing	ID	122.000	122.000
0006	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000
0008	203.0220	Removing Structure (structure) 0001. B-40-512	EACH	1.000	1.000
0010	203.0250	Removing Structure Over Waterway Remove Debris (structure) 0001. C-40-17	EACH	1.000	1.000
0012	204.0100	Removing Concrete Pavement	SY	1,339.000	1,339.000
0014	204.0110	Removing Asphaltic Surface	SY	54.000	54.000
0016	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,340.000	1,340.000
0018	204.0120	Removing Asphaltic Surface Milling	SY	304,866.000	304,866.000
0020	204.0155	Removing Concrete Sidewalk	SY	1,030.000	1,030.000
0022	204.0165	Removing Guardrail	LF	2,053.000	2,053.000
0024	204.0170	Removing Fence	LF	20.000	20.000
0026	204.0175	Removing Concrete Slope Paving	SY	92.000	92.000
0028	204.9060.S	Removing (item description) 0001. Apron Endwalls	EACH	6.000	6.000
0030	204.9060.S	Removing (item description) 0002. Removing Light Post and Concrete Base	EACH	2.000	2.000
0032	205.0100	Excavation Common	CY	292.000	292.000
0034	206.2001	Excavation for Structures Culverts (structure) 0001. C-40-17	EACH	1.000	1.000
0036	206.5001	Cofferdams (structure) 0001. C-40-44	EACH	1.000	1.000
0038	208.0100	Borrow	CY	3,070.000	3,070.000
0040	210.2500	Backfill Structure Type B	TON	92.000	92.000
0042	211.0101	Prepare Foundation for Asphaltic Paving (project) 0001. 2240-00-78	EACH	1.000	1.000
0044	213.0100	Finishing Roadway (project) 0001. 2240-00-78	EACH	1.000	1.000
0046	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	21,573.000	21,573.000
0048	390.0100	Removing Pavement for Base Patching	CY	6,400.000	6,400.000
0050	390.0201	Base Patching Asphaltic	TON	6,400.000	6,400.000
0052	390.0305	Base Patching Concrete HES	CY	5,210.000	5,210.000
0054	416.0610	Drilled Tie Bars	EACH	4,432.000	4,432.000
0056	416.0620	Drilled Dowel Bars	EACH	4,886.000	4,886.000
0058	455.0605	Tack Coat	GAL	37,851.000	37,851.000
0060	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0062	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0064	460.2005	Incentive Density PWL HMA Pavement	DOL	44,410.000	44,410.000
0066	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	11,065.000	11,065.000
0068	460.2010	Incentive Air Voids HMA Pavement	DOL	59,220.000	59,220.000
0070	460.6223	HMA Pavement 3 MT 58-28 S	TON	28,880.000	28,880.000
0072	460.6224	HMA Pavement 4 MT 58-28 S	TON	30,340.000	30,340.000
0074	465.0105	Asphaltic Surface	TON	1,826.000	1,826.000
0076	465.0110	Asphaltic Surface Patching	TON	406.000	406.000
0078	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	31.000	31.000
0080	502.0120.S	Non-Shrink Grout	CF	5.000	5.000
0082	502.0717.S	Crack Sealing Epoxy	LF	204.000	204.000
0084	502.2000	Compression Joint Sealer Preformed Elastomeric (width) 0001. 4-Inch	LF	30.000	30.000
0086	502.3205	Pigmented Surface Sealer Reseal	SY	690.000	690.000
0088	502.3215	Protective Surface Treatment Reseal	SY	2,477.000	2,477.000
0090	502.4204	Adhesive Anchors No. 4 Bar	EACH	76.000	76.000
0092	502.4205	Adhesive Anchors No. 5 Bar	EACH	8.000	8.000
0094	504.0100	Concrete Masonry Culverts	CY	14.000	14.000
0096	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,720.000	1,720.000
0098	506.0605	Structural Steel HS	LB	1.000	1.000
0100	509.0302	Preparation Decks Type 2	SY	25.000	25.000

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Line	Item	Item Description	Unit	Total	Qty
0102	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	300.000	300.000
0104	509.1500	Concrete Surface Repair	SF	150.000	150.000
0106	509.2100.S	Concrete Masonry Deck Repair	CY	1.400	1.400
0108	509.9020.S	Epoxy Crack Sealing	LF	90.000	90.000
0110	509.9025.S	Epoxy Injection Crack Repair	LF	100.000	100.000
0112	509.9026.S	Cored Holes 2-Inch Diameter	EACH	2.000	2.000
0114	511.1200	Temporary Shoring (structure) 0001. C-40-17	SF	288.000	288.000
0116	516.0500	Rubberized Membrane Waterproofing	SY	7.000	7.000
0118	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000	2.000
0120	520.4124	Culvert Pipe Class IV 24-Inch	LF	48.000	48.000
0122	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000
0124	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	146.000	146.000
0126	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	164.000	164.000
0128	522.0421	Culvert Pipe Reinforced Concrete Class IV 21-Inch	LF	24.000	24.000
0130	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	73.000	73.000
0132	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	12.000	12.000
0134	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	4.000	4.000
0136	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	3.000	3.000
0138	522.1021	Apron Endwalls for Culvert Pipe Reinforced Concrete 21-Inch	EACH	1.000	1.000
0140	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0142	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0144	522.2414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	64.000	64.000
0146	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	2.000	2.000
0148	531.1100	Concrete Masonry Ancillary Structures Type NS	CY	2.400	2.400
0150	531.1140	Steel Reinforcement HS Ancillary Structures Type NS	LB	360.000	360.000
0152	531.2024	Drilling Shaft 24-Inch	LF	20.000	20.000
0154	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,817.000	1,817.000
0156	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	172.000	172.000
0158	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	416.000	416.000
0160	601.0583	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type T	LF	42.000	42.000
0162	602.0410	Concrete Sidewalk 5-Inch	SF	74,623.000	74,623.000
0164	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	806.000	806.000
0166	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	251.000	251.000
0168	602.0810	Concrete Driveway 6-Inch	SY	9.000	9.000
0170	606.0300	Riprap Heavy	CY	56.000	56.000
0172	611.8115	Adjusting Inlet Covers	EACH	6.000	6.000
0174	614.0010	Barrier System Grading Shaping Finishing	EACH	4.000	4.000
0176	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	900.000	900.000
0178	614.2300	MGS Guardrail 3	LF	1,613.000	1,613.000
0180	614.2310	MGS Guardrail 3 HS	LF	250.000	250.000
0182	614.2500	MGS Thrie Beam Transition	LF	39.000	39.000
0184	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0186	614.2620	MGS Guardrail Terminal Type 2	EACH	3.000	3.000
0188	616.0206	Fence Chain Link 6-FT	LF	20.000	20.000
0190	618.0100	Maintenance and Repair of Haul Roads (project) 0001. 2240-00-78	EACH	1.000	1.000
0192	619.1000	Mobilization	EACH	1.000	1.000
0194	620.0300	Concrete Median Sloped Nose	SF	866.000	866.000
0196	624.0100	Water	MGAL	50.000	50.000
0198	625.0100	Topsoil	SY	12,730.000	12,730.000
0200	628.1504	Silt Fence	LF	5,188.000	5,188.000

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Line	Item	Item Description	Unit	Total	Qty
0202	628.1520	Silt Fence Maintenance	LF	5,188.000	5,188.000
0204	628.1530.S	Silt Fence Heavy Duty	LF	3,340.000	3,340.000
0206	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	3,340.000	3,340.000
0208	628.1905	Mobilizations Erosion Control	EACH	20.000	20.000
0210	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0212	628.2008	Erosion Mat Urban Class I Type B	SY	12,730.000	12,730.000
0214	628.7010	Inlet Protection Type B	EACH	47.000	47.000
0216	628.7015	Inlet Protection Type C	EACH	60.000	60.000
0218	628.7020	Inlet Protection Type D	EACH	6.000	6.000
0220	628.7504	Temporary Ditch Checks	LF	390.000	390.000
0222	628.7555	Culvert Pipe Checks	EACH	64.000	64.000
0224	628.7560	Tracking Pads	EACH	4.000	4.000
0226	628.7570	Rock Bags	EACH	300.000	300.000
0228	629.0210	Fertilizer Type B	CWT	5.600	5.600
0230	630.0140	Seeding Mixture No. 40	LB	553.000	553.000
0232	630.0175	Seeding Mixture No. 75	LB	4.000	4.000
0234	630.0200	Seeding Temporary	LB	343.000	343.000
0236	630.0500	Seed Water	MGAL	286.000	286.000
0238	633.5200	Markers Culvert End	EACH	4.000	4.000
0240	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	5.000	5.000
0242	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	53.000	53.000
0244	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	2.000	2.000
0246	635.0200	Sign Supports Structural Steel HS	LB	1,040.000	1,040.000
0248	637.2210	Signs Type II Reflective H	SF	547.730	547.730
0250	637.2230	Signs Type II Reflective F	SF	90.000	90.000
0252	638.2101	Moving Signs Type I	EACH	1.000	1.000
0254	638.2102	Moving Signs Type II	EACH	4.000	4.000
0256	638.2602	Removing Signs Type II	EACH	55.000	55.000
0258	638.3000	Removing Small Sign Supports	EACH	55.000	55.000
0260	638.3100	Removing Structural Steel Sign Supports	EACH	2.000	2.000
0262	642.5001	Field Office Type B	EACH	1.000	1.000
0264	643.0300	Traffic Control Drums	DAY	85,782.000	85,782.000
0266	643.0420	Traffic Control Barricades Type III	DAY	6,920.000	6,920.000
0268	643.0705	Traffic Control Warning Lights Type A	DAY	13,840.000	13,840.000
0270	643.0715	Traffic Control Warning Lights Type C	DAY	6,541.000	6,541.000
0272	643.0800	Traffic Control Arrow Boards	DAY	408.000	408.000
0274	643.0900	Traffic Control Signs	DAY	19,963.000	19,963.000
0276	643.0910	Traffic Control Covering Signs Type I	EACH	9.000	9.000
0278	643.0920	Traffic Control Covering Signs Type II	EACH	24.000	24.000
0280	643.1050	Traffic Control Signs PCMS	DAY	139.000	139.000
0282	643.1070	Traffic Control Cones 42-Inch	DAY	70,287.000	70,287.000
0284	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	8,720.000	8,720.000
0286	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	1,410.000	1,410.000
0288	643.3980	Temporary Marking Removable Mask Out Tape 8-Inch	LF	8,360.000	8,360.000
0290	643.5000	Traffic Control	EACH	1.000	1.000
0292	644.1410	Temporary Pedestrian Surface Asphalt	SF	2,858.000	2,858.000
0294	644.1601	Temporary Pedestrian Curb Ramp	DAY	66.000	66.000
0296	644.1605	Temporary Pedestrian Detectable Warning Field	SF	286.000	286.000
0298	644.1810	Temporary Pedestrian Barricade	LF	4,671.000	4,671.000
0300	645.0120	Geotextile Type HR	SY	83.000	83.000

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Line	Item	Item Description	Unit	Total	Qty
0302	646.2020	Marking Line Epoxy 6-Inch	LF	128,910.000	128,910.000
0304	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	13,320.000	13,320.000
0306	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	13,910.000	13,910.000
0308	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	25,980.000	25,980.000
0310	646.5020	Marking Arrow Epoxy	EACH	35.000	35.000
0312	646.5120	Marking Word Epoxy	EACH	19.000	19.000
0314	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,093.000	1,093.000
0316	646.7120	Marking Diagonal Epoxy 12-Inch	LF	102.000	102.000
0318	646.7220	Marking Chevron Epoxy 24-Inch	LF	1,244.000	1,244.000
0320	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	3,672.000	3,672.000
0322	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	130.000	130.000
0324	646.8120	Marking Curb Epoxy	LF	285.000	285.000
0326	646.8220	Marking Island Nose Epoxy	EACH	38.000	38.000
0328	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,447.000	2,447.000
0330	650.6000	Construction Staking Pipe Culverts	EACH	12.000	12.000
0332	650.6501	Construction Staking Structure Layout (structure) 0001. C-40-44	EACH	1.000	1.000
0334	650.6501	Construction Staking Structure Layout (structure) 0002. C-40-17	EACH	1.000	1.000
0336	650.6501	Construction Staking Structure Layout (structure) 0003. B-40-512	EACH	1.000	1.000
0338	650.8000	Construction Staking Resurfacing Reference	LF	26,628.000	26,628.000
0340	650.9000	Construction Staking Curb Ramps	EACH	86.000	86.000
0342	650.9500	Construction Staking Sidewalk (project) 0001. 2240-00-78	EACH	1.000	1.000
0344	650.9911	Construction Staking Supplemental Control (project) 0001. 2240-00-78	EACH	1.000	1.000
0346	650.9920	Construction Staking Slope Stakes	LF	13,568.000	13,568.000
0348	690.0150	Sawing Asphalt	LF	206.000	206.000
0350	690.0250	Sawing Concrete	LF	44,428.000	44,428.000
0352	740.0440	Incentive IRI Ride	DOL	10,478.000	10,478.000
0354	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	3,000.000	3,000.000
0356	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	7,200.000	7,200.000
0358	SPV.0035	Special 0101. Backfill Slurry	CY	2.600	2.600
0360	SPV.0045	Special 0101. Connected Work Zone Notification System	DAY	147.000	147.000
0362	SPV.0060	Special 0101. Cleaning and Painting Bearings	EACH	6.000	6.000
0364	SPV.0060	Special 0102. Cleaning and Painting Expansion Joints	EACH	3.000	3.000
0366	SPV.0060	Special 0201. Replace Manhole Casting Frame And Lid	EACH	1.000	1.000
0368	SPV.0060	Special 0202. Adjusting Water Valve Boxes	EACH	7.000	7.000
0370	SPV.0060	Special 0203. Extend Hydrant Lead	EACH	1.000	1.000
0372	SPV.0060	Special 0301. Core Drilling 18-Inch Diameter For Sign Post	EACH	1.000	1.000
0374	SPV.0090	Special 0101. Grading And Shaping Ditch	LF	100.000	100.000
0376	SPV.0165	Special 0101. Fiber Wrap Reinforcing Non-Structural	SF	125.000	125.000

GRUBBING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0130	1						
		STH 36	24+25	-	26+20	2	--
		STH 36	27+45	-	28+20	1	--
		STH 36	30+75	-	31+75	1	--
		STH 36	32+50	-	32+60	--	30
		STH 36	52+30	-	53+20	--	23
		STH 36	55+25	-	56+75	1	--
		STH 36	59+25	-	59+85	1	--
		STH 36	85+80	-	108+00	1	35
		STH 36	120+25	-	120+30	--	6
		STH 36	127+75	-	130+60	1	22
		STH 36	135+10	-	135+75	1	--
		STH 36	141+60	-	141+65	--	6
		PROJECT TOTALS				9	122

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
0010	1			
		PROJECT START	27+00	90
		BRENWOOD PARK DRIVE	36+75	50
		W FOREST HILL AVE	45+30	50
		W DREXEL AVE	76+35	110
		RAWSON AVE	140+00	180
SUBTOTALS				480
	2			
		STH 36	138+00	10
		STH 36	143+00	10
		STH 36	155+00	10
		STH 36	158+00	10
		76TH STREET	157+00	280
		ROOT RIVER PARKWAY	196+75	40
		RADBURN AVE	209+50	30
		COLLEGE AVE	217+20	90
		W RAMSEY AVE	233+00	130
		W GRANGE AVE	273+00	140
		PROJECT END	293+15	110
SUBTOTALS				860
		PROJECT TOTAL		1,340

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	STATION	204.9060.S.0002 REMOVING LIGHT POST AND CONCRETE BASE EACH
0010	1			
		STH 36	21+90	1
		STH 36	22+48	1
		PROJECT TOTAL		2

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	STATION	STATION	204.0100* REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0120* REMOVING ASPHALTIC SURFACE MILLING SY
0010	1A						
		STH 36 NB MAINLINE	27+00	116+20	23	--	14,490
		STH 36 SB MAINLINE	27+00	122+25	--	--	12,550
		STH 36 NB SHLDR	27+00	143+20	--	--	8,710
		STH 36 SB SHLDR	27+00	136+15	--	--	8,440
		CTH BB NB EXIT RAMP	133+00	143+00	--	--	1,820
		CTH BB NB EXIT RAMP SHLDR	117+25	143+20	--	--	2,720
		CTH BB SB ENT RAMP	128+00	136+50	--	--	1,670
		CTH BB SB ENT RAMP SHLDR	105+30	136+15	--	--	5,140
		CTH BB NB CROSSOVER	116+20	133+00	--	--	2,890
		CTH BB SB CROSSOVER	119+00	129+50	--	--	1,910
	1B						
		STH 36 NB MAINLINE	27+00	122+00	--	--	17,310
		STH 36 SB MAINLINE	27+00	122+00	--	--	20,000
		STH 36 NB SHLDR	27+00	122+00	--	--	3,300
		STH 36 SB SHLDR	27+00	122+00	--	--	2,960
	1C						
		76TH STREET NB EXIT RAMP MAIN LINE	125+25	153+00	--	--	3,830
		76TH STREET NB EXIT RAMP SHLDR	118+10	153+80	--	--	3,060
		76TH STREET SB ENT RAMP TO CTH BB	136+80	158+20	--	--	4,030
		76TH STREET SB ENT RAMP TO SB STH 36	129+40	146+80	--	--	2,950
		76TH STREET SB ENT RAMP TO CTH BB SHLDR	129+50	158+20	--	--	4,080
SUBTOTALS					23	--	121,860
	2A						
		STH 36 NB MAINLINE	116+20	293+25	--	54	28,350
		STH 36 SB MAINLINE	122+25	293+25	--	--	26,120
		STH 36 NB SHLDR	120+50	293+25	--	--	14,980
		STH 36 SB SHLDR	123+00	293+25	--	--	16,560
		W GRANGE AVE (WEST)	271+30	276+78	--	--	3,750
		W GRANGE AVE (EAST)	272+50	275+05	--	--	2,990
	2B						
		STH 36 NB MAINLINE	122+00	293+25	--	--	29,510
		STH 36 SB MAINLINE	122+00	293+25	--	--	31,100
		STH 36 NB SHLDR	122+00	293+25	--	--	5,900
		STH 36 SB SHLDR	122+00	293+25			7,270
	2C						
		76TH STREET SB EXIT RAMP	158+85	181+10	--	--	3,920
		76TH STREET NB ENT RAMP	154+50	181+60	--	--	4,370
		76TH STREET SB EXIT RAMP SHLDR	158+85	181+10	--	--	3,280
		76TH STREET NB ENT RAMP SHLDR	154+50	181+60	--	--	4,900
SUBTOTALS					--	54	183,000
		PROJECT TOTAL			23	54	304,860

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	204.0165 REMOVING GUARDRAIL LF
0010	1		
		STH 36	2,053
		PROJECT TOTAL	2,053

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REMOVING DRAINAGE ITEMS

CATEGORY	STAGE	LOCATION	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.9060.S.0001 REMOVING APRON ENDWALLS EACH	COMMENTS
0010	1						
		STH 36	28+50	RT	1	--	24" PIPE
		STH 36	31+70	RT	--	1	18" ENDWALL
		STH 36	51+62	RT	--	1	21" ENDWALL
		STH 36	120+15	RT	--	1	30" ENDWALL
		STH 36	120+19	RT	--	1	30" ENDWALL
		STH 36	128+26	RT	--	1	36" ENDWALL
		STH 36	128+34	RT	--	1	36" ENDWALL
		STH 36	260+25	LT	1	--	30" PIPE
		PROJECT TOTALS			2	6	

REMOVAL ITEMS

CATEGORY	STAGE	LOCATION	STATION	204.0100* REMOVING CONCRETE PAVEMENT SY	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	1				
		W FOREST HILL AVE	45+00	27	30
		W DREXEL AVE	76+50	88	70
		W RAWSON AVE EB	143+00	22	30
		W RAWSON AVE WB	136+00	91	80
		S 76TH ST SB	155+00	27	30
		S 76TH ST NB	159+00	86	70
		HORIZON DR	189+50	113	100
		ROOT RIVER PKWY	196+75	22	10
		RADBURN LN	209+75	8	20
		W COLLEGE AVE	217+25	155	140
		W RAMSEY AVE	232+75	166	120
		CHURCHWOOD CIRC	243+50	21	20
		GREENDALE FIRE STATION	266+00	25	40
		W GRANGE AVE	273+00	290	270
		SUBTOTAL		1,141	1,030
0130	1				
		STH 100	21+00	24	--
		BRENWOOD PARK DR	36+75	31	--
		FRANKLIN POLICE DEPARTMENT DR	51+50	16	--
		FRANKLIN CITY HALL DR	64+50	26	--
		LEGEND DR	69+55	55	--
		W DREXEL AVE	76+50	23	
		SUBTOTAL		175	--
		PROJECT TOTAL		1,316	1,030

EARTHWORK SUMMARY

CATEGORY	FROM/TO STATION	205.0100* COMMON EXCAVATION (1) CUT (2)	205.0100* COMMON EXCAVATION (1) EBS EXCAVATION (3)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	208.0100* BORROW
0130									
SIDEWALK STH 100- RAWSON AVE	2221+25/2343+50	292	0	292	2,586	3,362	-3,070	0	3,070
CATEGORY SUBTOTAL		292	0	292	2,586	3,362	-3,070	0	3,070
GRAND TOTAL		292	0	292	2,586	3,362	-3,070	0	3,070
	TOTAL COMMON EXC	292							

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(3) EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR
(4) 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.
(5) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BASE AGGREGATE ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	COMMENTS
0010	1							
		FOREST HILL AVE	44+75	-	45+75	RT	6	4" BASE UNDER CONCRETE SIDEWALK
		DREXEL AVE	76+10	-	76+80	LT & RT	12	4" BASE UNDER CONCRETE SIDEWALK
		RAWSON AVE	135+00	-	143+00	LT & RT	21	4" BASE UNDER CONCRETE SIDEWALK
		RAMP SHOULDERS	--		--	LT & RT	649	
		STH 36 SHOULDERS	--		--	LT & RT	4,715	
		GUARDRAIL	140+77	-	141+69	109' LT	24	
		GUARDRAIL	244+00	-	247+52	54' RT	8	
		GUARDRAIL	245+53	-	247+54	56' LT	20	
		GUARDRAIL	248+49	-	263+52	54' RT	5	
		SUBTOTAL					5,460	
	2							
		S 76TH STREET	154+00	-	159+00	LT & RT	16	4" BASE UNDER CONCRETE SIDEWALK
		RAMP SHOULDERS	--		--	LT & RT	353	
		STH 36 SHOULDERS	--		--	LT & RT	7,608	4" BASE UNDER CONCRETE SIDEWALK
		HORIZON DRIVE	189+00	-	190+00	LT & RT	24	4" BASE UNDER CONCRETE SIDEWALK
		ROOT RIVER PARKWAY	196+00	-	197+25	LT	4	4" BASE UNDER CONCRETE SIDEWALK
		COLLEGE AVE	216+25	-	217+75	LT & RT	24	4" BASE UNDER CONCRETE SIDEWALK
		W RAMSEY AVE	232+25	-	233+50	LT & RT	18	4" BASE UNDER CONCRETE SIDEWALK
		CHURCHWOOD CIR	243+15	-	244+00	LT	4	4" BASE UNDER CONCRETE SIDEWALK
		FIRESTATION ACCESS	265+50	-	266+50	LT	9	4" BASE UNDER CONCRETE SIDEWALK
		W GRANGE AVE	271+25	-	274+75	LT & RT	26	4" BASE UNDER CONCRETE SIDEWALK
		SUBTOTAL					8,086	
		CATEGORY TOTAL					13,546	
0130	1							
		STH 100 - BRENWOOD PARK DR	20+90	-	37+30	RT	243	4" BASE UNDER CONCRETE SIDEWALK
		FOREST HILL AVE - LEGEND DR	45+75	-	69+30	RT	343	4" BASE UNDER CONCRETE SIDEWALK
		LEDGEND DR - DREXEL AVE	69+70	-	76+10	RT	98	4" BASE UNDER CONCRETE SIDEWALK
		DREXEL AVE - RAWSON	76+70	-	143+35	RT	993	4" BASE UNDER CONCRETE SIDEWALK
		SUBTOTAL					1,677	
		PROJECT TOTAL					15,223	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

B-40-512 ROADWAY ITEMS

CATEGORY	STAGE	LOCATION	204.0120* REMOVING ASPHALTIC SURFACE MILLING SY	455.0605* TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON
0120	1				
		B-40-512	6	1	1
		PROJECT TOTAL	6	1	1

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

DRIVEWAYS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120* ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY
0130	1	STH 36	22+80	-	23+30	3	3	--
		STH 36	28+25	-	28+60	15	15	--
		STH 36	31+75	-	32+10	3	--	9
		STH 36	55+50	-	55+75	1	1	--
		STH 36	100+75	-	101+00	1	1	--
		STH 36	104+00	-	104+20	1	1	--
		STH 36	104+75	-	104+95	1	1	--
		STH 36	108+00	-	108+20	1	1	--
		PROJECT TOTAL				26	23	9

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BASE PATCHING ITEMS

CATEGORY	STAGE	LOCATION	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0201 BASE PATCHING ASPHALTIC TON	390.0305 BASE PATCHING CONCRETE HES CY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	465.0110* ASPHALTIC SURFACE PATCHING TON	690.0250* SAWING CONCRETE LF	COMMENTS
0010	1									
		STH 36	6400	6,400	5,210	4,432	4,886	406	40,638	BASE PATCHING ASPHALTIC TO BE USED FOR SHOULDER PATCHING AND BASE PATCHING CONCRETE TO BE USED FOR MAINLINE PATCHING. 20% OF THE TOTAL SHOULDER AND MAINLINE PAVEMENT AREA USED FOR ESTIMATING
		PROJECT TOTAL	6400	6,400	5,210	4,432	4,886	406	40,638	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ASPHALTIC ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	455.0605* TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	COMMENTS
0010	1A								
		STH 36 NB MAINLINE	27+00	-	116+20	2,040	1,430	1,840	
		STH 36 SB MAINLINE	27+00	-	122+25	1,780	1,240	1,600	
		STH 36 NB SHLDR	27+00	-	143+20	610	850	--	
		STH 36 SB SHLDR	27+00	-	136+15	590	830	--	
		CTH BB NB EXIT RAMP	133+00	-	143+00	250	180	230	
		CTH BB NB EXIT RAMP SHLDR	117+25	-	143+20	380	270	340	
		CTH BB SB ENT RAMP	128+00	-	136+50	230	160	210	
		CTH BB SB ENT RAMP SHLDR	105+30	-	136+15	720	500	650	
		CTH BB NB CLOSURE	116+20	-	133+00	400	280	360	
		CTH BB SB CLOSURE	119+00	-	129+50	270	190	240	
	1B								
		STH 36 NB MAINLINE	27+00	-	122+00	2,420	1,700	2,180	
		STH 36 SB MAINLINE	27+00	-	122+00	2,800	1,960	2,520	
		STH 36 NB SHLDR	27+00	-	122+00	230	320	--	
		STH 36 SB SHLDR	27+00	-	122+00	210	290	--	
	1C								
		76TH STREET NB EXIT RAMP MAIN LINE	133+00	-	138+00	120	80	100	
		76TH STREET NB EXIT RAMP MAIN LINE	138+00	-	143+00	120	140	--	INCLUDES 1.25" LEVELING LAYER
		76TH STREET NB EXIT RAMP MAIN LINE	143+00	-	155+00	300	210	270	
		76TH STREET NB EXIT RAMP SHLDR	118+10	-	138+00	220	150	200	
		76TH STREET NB EXIT RAMP SHLDR	138+00	-	143+00	70	90	--	INCLUDES 1.25" LEVELING LAYER
		76TH STREET NB EXIT RAMP SHLDR	143+00	-	153+80	140	100	120	
		76TH STREET SB ENT RAMP TO CTH BB	136+80	-	158+20	560	400	510	
		76TH STREET SB ENT RAMP TO SB STH 36	129+40	-	138+00	200	140	180	
		76TH STREET SB ENT RAMP TO SB STH 36	138+00	-	143+00	120	140	--	INCLUDES 1.25" LEVELING LAYER
		76TH STREET SB ENT RAMP TO SB STH 36	143+00	-	155+75	90	60	80	
		76TH STREET SB ENT RAMP TO CTH BB SHLDR	129+50	-	138+00	130	90	120	
		76TH STREET SB ENT RAMP TO CTH BB SHLDR	138+00	-	143+00	80	100	--	INCLUDES 1.25" LEVELING LAYER
		76TH STREET SB ENT RAMP TO CTH BB SHLDR	143+00	-	158+20	350	250	320	
		STAGE 1 SUBTOTAL				15,430	12,150	12,070	
	2A								
		STH 36 NB MAINLINE	116+20	-	138+00	370	260	330	
		STH 36 NB MAINLINE	138+00	-	143+00	90	100	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 NB MAINLINE	143+00	-	155+00	220	160	200	
		STH 36 NB MAINLINE	155+00	-	158+00	50	60	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 NB MAINLINE	158+00	-	293+25	3,250	2,270	2,920	
		STH 36 SB MAINLINE	122+25	-	138+00	300	210	270	
		STH 36 SB MAINLINE	138+00	-	143+00	90	110	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 SB MAINLINE	143+00	-	155+00	230	160	200	
		STH 36 SB MAINLINE	155+00	-	158+00	60	70	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 SB MAINLINE	158+00	-	293+25	3,010	2,110	2,710	
		STH 36 NB SHLDR	120+50	-	293+25	1,050	1,470	--	
		STH 36 SB SHLDR	123+00	-	293+25	1,160	1,620	--	
		W GRANGE AVE (WEST)	271+30	-	276+78	520	370	470	
		W GRANGE AVE (EAST)	272+50	-	275+05	420	290	380	
	2B								
		STH 36 NB MAINLINE	122+00	-	138+00	310	220	280	
		STH 36 NB MAINLINE	138+00	-	143+00	100	130	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 NB MAINLINE	143+00	-	155+00	230	160	210	
		STH 36 NB MAINLINE	155+00	-	158+00	60	80	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 NB MAINLINE	158+00	-	293+25	3,420	2,390	3,080	
		STH 36 SB MAINLINE	122+00	-	138+00	290	200	260	
		STH 36 SB MAINLINE	138+00	-	143+00	90	110	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 SB MAINLINE	143+00	-	155+00	220	160	200	
		STH 36 SB MAINLINE	155+00	-	158+00	60	70	--	INCLUDES 1.25" LEVELING LAYER
		STH 36 SB MAINLINE	158+00	-	239+25	3,590	2,510	3,230	
		STH 36 NB SHLDR	122+00	-	293+25	410	580	--	
		STH 36 SB SHLDR	122+00	-	293+25	510	710	--	
	2C								
		76TH STREET SB EXIT RAMP	158+85	-	181+10	550	380	490	
		76TH STREET NB ENT RAMP	154+50	-	181+60	610	430	550	
		76TH STREET SB EXIT RAMP SHLDR	158+85	-	181+10	460	320	410	
		76TH STREET NB ENT RAMP SHLDR	154+50	-	181+60	690	480	620	
		STAGE 2 SUBTOTAL				22,420	18,190	16,810	
		PROJECT TOTAL				37,850	30,340	28,880	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

HMA MIXTURE ACCEPTANCE

									QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
LOCATION	STA	TO	STA	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS (IN)	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
TWO 12 FOOT DRIVING LANES (NB AND SB)	27+00	-	138+00	LOWER LAYER	MILED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	9,280	2.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
	27+00	-	138+00	UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	7,220	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
TWO 12 FOOT DRIVING LANES (NB AND SB)	138+00	-	143+00	UPPER LAYER	HMA PAVEMENT 4 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	260	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
TWO 12 FOOT DRIVING LANE (NB AND SB)	143+00	-	155+00	LOWER LAYER	MILLED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	810	2.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
	143+00	-	155+00	UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	640	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
TWO 12 FOOT DRIVING LANES (NB AND SB)	155+00	-	158+00	UPPER LAYER	HMA PAVEMENT 4 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	160	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
TWO 12 FOOT DRIVING LANE (NB AND SB)	158+00	-	293+25	LOWER LAYER	MILLED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	11,940	2.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
	158+00	-	293+25	UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	9,280	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
ONE 15 FOOT DRIVING LANE (NB & SB RAMPS TO CTH BB & 76TH ST)	105+30	-	138+00	LOWER LAYER	MILLED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	720	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
	105+30	-	138+00	UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	560	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
ONE 15 FOOT DRIVING LANE (NB & SB RAMPS TO CTH BB & 76TH ST)	138+00	-	143+00	UPPER LAYER	HMA PAVEMENT 4 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	160	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
ONE 15 FOOT DRIVING LANE (NB & SB RAMPS TO CTH BB & 76TH ST)	143+00	-	181+60	LOWER LAYER	MILLED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	1,900	2.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
	143+00	-	181+60	UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	1,480	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
SHOULDERS, SIDEROADS, BEAMGUARD WIDENINGS, BYPASS LANES, TURN LANES	VARIOUS			LOWER LAYER	MILLED EXISTING SURFACE	HMA PAVEMENT 3 MT 58-28 S	4,230	VARIES	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
				UPPER LAYER	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-28 S	10,580	1.75	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

PWL ITEMS

		460.0105.S	460.0110.S	460.2005	460.2007	460.2010	740.0440
		HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS	HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY	INCENTIVE DENSITY PWL HMA PAVEMENT	INCENTIVE DENSITY HMA PAVEMENT LONGITUDINAL JOINTS	INCENTIVE DENSITY AIR VOIDS HMA PAVEMENT	INCENTIVE IRI RIDE
CATEGORY	LOCATION	EACH	EACH	DOL	DOL	DOL	DOL
0010	STH 36	2	2	44,410	11,065	59,220	10,478
	TOTALS	2	2	44,410	11,065	59,220	10,478

3

3

CONCRETE SIDEWALK

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0105 ASPHALTIC SURFACE TON	465.0120* ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	COMMENTS
0010	1											
		FOREST HILL AVE	44+75	-	45+75	RT	260	2	74	21	--	7" BASE UNDER ASPHALTIC SURFACE
		DREXEL AVE	76+10	-	76+80	LT & RT	484	5	305	88	--	7" BASE UNDER ASPHALTIC SURFACE
		RAWSON AVE	135+00	-	143+00	LT & RT	844	8	554	160	--	7" BASE UNDER ASPHALTIC SURFACE
	2											
		S 76TH STREET	154+00	-	159+00	LT & RT	665	6	537	155	--	7" BASE UNDER ASPHALTIC SURFACE
		HORIZON DRIVE	189+00	-	190+00	LT & RT	963	5	523	151	6	7" BASE UNDER ASPHALTIC SURFACE
		ROOT RIVER PARKWAY	196+00	-	197+25	LT	182	2	103	30	2	7" BASE UNDER ASPHALTIC SURFACE
		COLLEGE AVE	216+25	-	217+75	LT & RT	984	10	711	205	--	7" BASE UNDER ASPHALTIC SURFACE
		W RAMSEY AVE	232+25	-	233+50	LT & RT	740	16	811	234	--	7" BASE UNDER ASPHALTIC SURFACE
		CHURCHWOOD CIR	243+15	-	244+00	LT	166	2	106	31	--	7" BASE UNDER ASPHALTIC SURFACE
		FIRESTATION ACCESS	265+50	-	266+50	LT	351	2	117	34	--	7" BASE UNDER ASPHALTIC SURFACE
		W GRANGE AVE	271+25	-	274+75	LT & RT	1,069	16	1,415	408	--	7" BASE UNDER ASPHALTIC SURFACE
		SUBTOTAL					6,708	74	5,256	1,517	8	
0130	1											
		STH 100 - BRENWOOD PARK DR	20+90	-	37+30	RT	9,841	4	333	96	--	7" BASE UNDER ASPHALTIC SURFACE
		FOREST HILL AVE - LEGEND DR	45+75	-	69+30	RT	13,875	5	380	110	--	7" BASE UNDER ASPHALTIC SURFACE
		LEDGEND DR - DREXEL AVE	69+70	-	76+10	RT	3,967	2	246	71	--	7" BASE UNDER ASPHALTIC SURFACE
		DREXEL AVE - RAWSON AVE	76+70	-	143+35	RT	40,232	1	109	31	--	7" BASE UNDER ASPHALTIC SURFACE
		SUBTOTAL					67,915	12	1,068	308	--	
		PROJECT TOTAL					74,623	86	6,324	1,825	8	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE & INLET COVERS

CATEGORY	STAGE	LOCATION	611.8115 ADJUSTING INLET COVERS EACH
0010	1	STH 36	6
		PROJECT TOTAL	6

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CONCRETE MEDIAN NOSE

CATEGORY	STAGE	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF
0010	1			
		STH 36	575	291
		PROJECT TOTAL	866	

CURB RAMP DETECTABLE WARNING FIELDS

CATEGORY	STAGE	LOCATION	STATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
0010	1				
		W FOREST HILL AVE	45+00	20	--
		W DREXEL AVE	76+50	62	15
		W RAWSON AVE EB	143+00	10	16
		W RAWSON AVE WB	136+00	40	34
		S 76TH ST SB	155+00	10	18
		S 76TH ST NB	159+00	30	23
		HORIZON DR	189+50	120	--
		ROOT RIVER PKWY	196+75	30	--
		RADBURN LN	209+75	--	--
		W COLLEGE AVE	217+25	120	--
		W RAMSEY AVE	232+75	160	--
		CHIRCHWOOD CIRC	243+50	20	--
		GREENDALE FIRE STATION	266+00	20	--
		W GRANGE AVE	273+00	40	145
		SUBTOTAL		682	251
0130	1	STH 100	21+00	20	--
		BRENWOOD PARK DR	36+75	20	--
		FRANKLIN POLICE DEPARTMENT DR	51+50	24	--
		FRANKLIN CITY HALL DR	64+50	24	--
		LEGEND DR	69+55	24	--
		W DREXEL AVE	76+50	12	--
		SUBTOTAL		124	--
		PROJECT TOTAL		806	251

CONCRETE CURB & GUTTER

CATEGORY	STAGE	LOCATION	STATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0583 CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE T LF
0010	1						
		W DREXEL AVE	76+50	40	39	81	--
		W RAWSON AVE EB	143+00	41	--	--	--
		W RAWSON AVE WB	136+00	167	--	--	--
		S 76TH ST SB	155+00	51	--	--	--
		S 76TH ST NB	159+00	155	--	--	--
		HORIZON DR	189+50	122	--	88	--
		ROOT RIVER PKWY	196+75	44	--	--	--
		RADBURN LN	209+50	30			
		W COLLEGE AVE	217+25	94	69	105	--
		W RAMSEY AVE	232+75	270	--	34	--
		CHIRCHWOOD CIRC	243+50	--	--	--	42
		GREENDALE FIRE STATION	266+00	50	--	--	--
		W GRANGE AVE	273+00	467	64	--	--
		SUBTOTAL		1,531	172	308	42
0130	1						
		STH 100	21+00	50	--	--	--
		BRENWOOD PARK DR	36+75	60	--	--	--
		W FOREST HILL AVE	45+00	53	--	--	--
		FRANKLIN POLICE DEPARTMENT DR	51+50	35	--	--	--
		FRANKLIN CITY HALL DR	64+50	53	--	--	--
		LEGEND DR	69+55	26	--	74	--
		W DREXEL AVE	76+50	9		34	--
		SUBTOTAL		286	--	108	--
		PROJECT TOTAL		1,817	172	416	42

CROSS DRAINS

CATEGORY	STAGE	LOCATION	STATION	STATION	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	520.8000* CONCRETE COLLARS FOR PIPE EACH	522.0430* CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	633.5200 MARKERS CULVERT END EACH
0010	1	STH 36	120+15	120+15	786.08	785.78	1.87%	1	16	--	1	--	1
			120+20	120+20	786.09	785.80	1.83%	1	16	--	1	--	1
			128+25	128+27	776.62	776.57	0.72%	1	--	6	--	1	1
			128+27	128+30	776.85	776.71	2.37%	1	--	6	--	1	1
		SUBTOTAL						4	32	12	2	2	4
		PROJECT TOTAL						4	32	12	2	2	4

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

NOTE
1) STATION OFFSETS SHOWN ARE TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).

MINOR SIDE ROAD, PRIVATE ENTRANCE, AND SLOPE DRAINS

CATEGORY	STAGE	LOCATION	STATION	STATION	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.4124 CULVERT PIPE CLASS IV 24-INCH LF	520.8000* CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	522.0421 CULVERT PIPE REINFORCED CONCRETE CLASS IV 21-INCH LF	522.0430* CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1021 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 21-INCH EACH	522.1030* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	522.2414 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH LF	522.2614 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 14X23-INCH EACH
0010	1	STH 36	28+20	28+69	789.04	788.73	0.63%	2	48	--	--	--	--	--	--	--	--	--	--	--	--
			31+10	31+64	785.94	784.07	3.44%	--	--	1	--	56	--	--	--	1	--	--	--	--	--
			51+50	51+75	791.16	790.96	0.89%	--	--	1	--	--	24	--	--	--	1	--	--	--	--
			70+56	71+20	784.46	781.62	4.44%	--	--	--	--	--	--	--	--	--	--	--	--	64	2
			84+50	85+23	790.38	789.58	1.09%	--	--	--	74	--	--	--	2	--	--	--	--	--	--
			112+10	112+81	787.74	786.72	1.44%	--	--	--	72	--	--	--	2	--	--	--	--	--	--
			137+00	138+08	768.76	766.40	2.18%	--	--	--	--	108	--	--	--	2	--	--	--	--	--
			260+10	260+51	772.68	772.00	1.65%	--	--	--	--	--	--	41	--	--	--	2	--	--	--
		PROJECT TOTAL						2	48	2	146	164	24	41	4	3	1	2	64	2	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

NOTE
1) STATION OFFSETS SHOWN ARE TO THE END OF PIPE AT APRON ENDWALLS (NOT INCLUDING LENGTH OF ENDWALL).

3

EROSION CONTROL ITEMS

CATEGORY	STAGE	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.1530.S SILT FENCE HEAVY DUTY LF	628.1535.S SILT FENCE HEAVY DUTY MAINTENANCE LF	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7570 ROCK BAGS EACH
0010	ALL											
		STH 36	4,150	4,150	390	64	3,340	3,340	47	60	6	--
		UNDISTRIBUTED	1,038	1,038	--	--	--	--	--	--	--	300
		PROJECT TOTAL	5,188	5,188	390	64	3,340	3,340	47	60	6	300

3

RESTORATION ITEMS

CATEGORY	STAGE	LOCATION	625.0100* TOPSOIL SY	628.2008* EROSION MAT URBAN CLASS I TYPE B SY	629.0210* FERTILIZER TYPE B CWT	630.0140* SEEDING MIXTURE NO. 40 LB	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200* SEEDING TEMPORARY LB	630.0500* SEED WATER MGAL
0010	1								
		STH 100 - BRENWOOD PARK DR	1,660	1,660	0.8	75	--	45	37
		FOREST HILL AVE - LEGEND DR	1,670	1,670	0.8	75	--	45	37
		LEDGEND DR - DREXEL AVE	600	600	0.3	27	--	16	13
		RAWSON AVE	6,050	6,050	2.7	251	3	163	136
		UNDISTRIBUTED	2,000	2,000	0.9	90	1	54	45
		SUBTOTAL	11,980	11,980	5.4	518	4	323	268
	2								
		S 76TH STREET	90	90	--	4	--	2	2
		HORIZON DRIVE	90	90	--	4	--	2	2
		ROOT RIVER PARKWAY	20	20	--	1	--	1	1
		COLLEGE AVE	220	220	0.1	10	--	6	5
		W RAMSEY AVE	60	60	--	3	--	2	1
		CHURCHWOOD CIR	20	20	--	1	--	1	1
		FIRESTATION ACCESS	40	40	--	2	--	1	1
		W GRANGE AVE	80	80	--	4	--	2	2
		UNDISTRIBUTED	130	130	0.1	6	--	3	3
		SUBTOTAL	750	750	0.2	35	--	20	18
		PROJECT TOTAL	12,730	12,730	5.6	553	4	343	286

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRACKING PADS

CATEGORY	STAGE	LOCATION	628.7560 EACH
0010	1	UNDISTRIBUTED	2
		SUBTOTAL	2
	2	UNDISTRIBUTED	2
		SUBTOTAL	2
		CATEGORY TOTAL	4
		PROJECT TOTAL	4

EROSION CONTROL MOBILIZATION

CATEGORY	STAGE	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1	UNDISTRIBUTED	10	3
		SUBTOTAL	10	3
	2	UNDISTRIBUTED	10	3
		SUBTOTAL	10	3
		CATEGORY TOTAL	20	6
		PROJECT TOTAL	20	6

3

CONNECTED WORKZONE NOTIFICATION SYSTEM

CATEGORY	STAGE	LOCATION	DAYS	SPV.0045.0101 CONNECTED WORK ZONE NOTIFICATION SYSTEM NO	DAY
0010	1	STAGE 1A	21	1	21
		STAGE 1B	28	1	28
		STAGE 1C	21	1	21
		SUBTOTAL			70
	2	STAGE 2A	24	1	24
		STAGE 2B	29	1	29
		STAGE 2C	24	1	24
		SUBTOTAL			77
		PROJECT TOTAL			147

SIGNING

SIGN #	SIGN CODE	SHEET #	SIGN SIZE	SIGN SIZE W IN.	SIGN SIZE X	SIGN SIZE H IN.	531.1100 CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS CY	531.1140 STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS LB	531.2024 DRILLING SHAFT 24-INCH LF	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH X 20-FT EACH	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SPV.0060.0301 CORE DRILLING 18-INCH DIAMETER FOR SIGN POST EACH	SIGN SIGN MOUNTED ON SAME POST AS #	DESCRIPTION
1-1	R3-20LL	1 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
1-2	R3-20L	1 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
1-3	J2-3	1 OF 18	3	108	X	84	-	-	-	63	-	-	-	2	-	-	-	1	2	-	-	-	ROUTE TURN ASSEMBLY (3 HEADED ROUTE PANEL)
2-1	R1-1	2 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	-	-	-	-	STOP
2-2	R1-1	2 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	1	-	-	-	STOP
3-1	R1-1	3 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	1	-	-	-	STOP
3-2	R2-1	3 OF 18	3	36	X	48	-	-	-	12	-	-	1	-	-	-	-	1	1	-	-	-	SPEED LIMIT 45 MPH
4-1	R1-1	4 OF 18	3	36	X	36	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-	STOP
4-2	R1-1	4 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	-	-	-	-	STOP
4-3	R3-20L	4 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
5-1	R3-20LL	5 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
5-2	R3-20L	5 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
5-3	W3-3	5 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	1	1	-	-	-	SIGNAL AHEAD
6-1	R6-2R	6 OF 18	2S	24	X	30	-	-	-	5	-	1	-	-	-	-	-	1	1	-	-	-	ONE WAY RIGHT ARROW
7-1	---	7 OF 18	-	-	X	-	2.4	360	20	-	-	-	-	-	1040	1	-	-	-	2	-	-	MOVING SIGNS TYPE I
8-1	D1-2	8 OF 18	3	126	X	36	-	-	-	31.5	-	2	-	-	-	-	-	1	2	-	-	-	S 76TH ST / W RAWSON AVE
9-1	J2-3	9 OF 18	2S	72	X	57	-	-	-	28.5	-	-	2	-	-	-	-	1	2	-	-	-	ROUTE TURN ASSEMBLY (3 HEADED ROUTE PANEL)
9-2	R1-1	9 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	1	-	-	-	STOP
10-1	R5-1	10 OF 18	3	36	X	36	-	-	-	9	-	-	1	-	-	-	-	1	1	-	-	-	DO NOT ENTER
10-2	R1-1	10 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	1	-	-	-	STOP
12-1	W11-15	12 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	-	-	-	-	-	TRAIL CROSSING (BIKE AND PED SYMBOL)
12-2	W16-7L	12 OF 18	3	30	X	18	-	-	-	-	3.75	-	-	-	-	-	-	-	-	-	-	12-1	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW
12-3	W11-15	12 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	1	1	-	-	-	TRAIL CROSSING (BIKE AND PED SYMBOL)
12-4	W16-7L	12 OF 18	3	30	X	18	-	-	-	-	3.75	-	-	-	-	-	-	1	-	-	-	12-3	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW
12-5	W11-15	12 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	1	1	-	-	-	TRAIL CROSSING (BIKE AND PED SYMBOL)
12-6	W16-7L	12 OF 18	3	30	X	18	-	-	-	-	3.75	-	-	-	-	-	-	1	-	-	-	12-5	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW
12-7	W11-15	12 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	-	-	-	-	-	TRAIL CROSSING (BIKE AND PED SYMBOL)
12-8	W16-7R	12 OF 18	3	30	X	18	-	-	-	-	3.75	-	-	-	-	-	-	-	-	-	-	12-7	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLO
12-9	W11-15	12 OF 18	3	36	X	36	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	12-7	TRAIL CROSSING (BIKE AND PED SYMBOL)
12-10	W16-7R	12 OF 18	3	30	X	18	-	-	-	-	3.75	-	-	-	-	-	-	-	-	-	-	12-7	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLO
12-11	R5-1	12 OF 18	3	36	X	36	-	-	-	9	-	-	1	-	-	-	-	1	-	-	-	12-5	DO NOT ENTER
12-12	R4-7	12 OF 18	3	36	X	48	-	-	-	12	-	-	1	-	-	-	-	1	1	-	-	-	KEEP RIGHT
12-13	R1-1	12 OF 18	3	36	X	36	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-	STOP
12-14	R2-1	12 OF 18	3	36	X	48	-	-	-	12	-	-	1	-	-	-	-	1	1	-	-	-	SPEED LIMIT 45 MPH
13-1	R4-7	13 OF 18	3	36	X	48	-	-	-	12	-	-	1	-	-	-	-	1	1	-	-	-	KEEP RIGHT
13-2	R3-20L	13 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
13-3	R3-20LL	13 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
13-4	R3-20LL	13 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
14-1	R3-20L	14 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
14-2	R3-20L	14 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
14-3	R3-20LL	14 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
14-4	R1-2	14 OF 18	2S	36	X	31	-	-	-	3.88	-	1	-	-	-	-	-	1	1	-	-	-	YIELD
14-5	W11-2	14 OF 18	2S	30	X	30	-	-	-	-	6.25	-	1	-	-	-	-	1	1	-	-	-	PEDESTRIAN CROSSING SYMBOL
14-6	W16-7L	14 OF 18	2S	24	X	12	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	14-5	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW
14-7	R10-15R	14 OF 18	2S	30	X	30	-	-	-	6.25	-	-	1	-	-	-	-	1	1	-	1	-	TURNING VEHICLES YIELD TO PEDS (RIGHT ARROW)
SUBTOTAL							**2.4**	**360**	**20**	**397.39**	**81**	**4**	**34**	**2**	**1040**	**1**	**2**	**36**	**35**	**2**	**1**		

FILE NAME : T:\1222714.01\Civil3D\22400008\Sheets\030201-MQ.PPT PLOT DATE : 8/16/2023 8:40 AM PLOT BY : PLOT NAME : PLOT SCALE : 1:1

3

SIGNING

CATEGORY 0010	SIGN #	SIGN CODE	SHEET #	SIGN SIZE	SIGN SIZE W IN.	SIGN SIZE X	SIGN SIZE H IN.	531.1100 CONCRETE MASONRY ANCILLARY STRUCTURES TYPE NS CY	531.1140 STEEL REINFORCEMENT HS ANCILLARY STRUCTURES TYPE NS LB	531.2024 DRILLING SHAFT 24-INCH LF	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0620 POSTS WOOD 4X6-INCH X 20-FT EACH	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	638.2101 MOVING SIGNS TYPE I EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	SPV.0060.0301 CORE DRILLING 18-INCH DIAMETER FOR SIGN POST EACH	SIGN SIGN MOUNTED ON SAME POST AS #	DESCRIPTION
	15-1	R3-20LL	15 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
	15-2	R3-20L	15 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
	15-3	R1-1	15 OF 18	3	36	X	36	-	-	-	7.46	-	-	1	-	-	-	-	1	1	-	-	-	STOP
	15-4	R2-1	15 OF 18	-	-	X	-	-	-	-	-	-	-	1	-	-	-	1	-	1	-	-	-	SPEED LIMIT 15 MPH
	15-5	---	15 OF 18	-	-	X	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	15-4	PRIVATE PROPERTY
	15-6	R7-1D	15 OF 18	3	24	X	30	-	-	-	5	-	-	1	-	-	-	-	1	1	-	-	-	NO PARKING ANY TIME - DOUBLE ARROW
	15-7	R2-1	15 OF 18	3	36	X	48	-	-	-	12	-	-	1	-	-	-	-	1	1	-	-	-	SPEED LIMIT 45 MPH
	15-8	R3-1	15 OF 18	3	36	X	36	-	-	-	9	-	-	1	-	-	-	-	1	1	-	-	-	NO RIGHT TURN SYMBOL
	15-9	R5-1	15 OF 18	3	36	X	36	-	-	-	9	-	-	-	-	-	-	-	1	1	-	-	15-8	DO NOT ENTER
	15-10	R7-1D	15 OF 18	3	24	X	30	-	-	-	5	-	-	1	-	-	-	-	1	1	-	-	-	NO PARKING ANY TIME - DOUBLE ARROW
	16-1	R7-1D	16 OF 18	3	24	X	30	-	-	-	5	-	-	1	-	-	-	-	1	1	-	-	-	NO PARKING ANY TIME - DOUBLE ARROW
	16-2	W11-8	16 OF 18	3	36	X	36	-	-	-	-	9	-	1	-	-	-	-	1	1	-	-	-	FIRE STATION TRUCK CROSSING SYMBOL
	16-4	R7-1D	16 OF 18	3	24	X	30	-	-	-	5	-	-	1	-	-	-	-	1	1	-	-	-	NO PARKING ANY TIME - DOUBLE ARROW
	17-1	R3-20L	17 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
	17-2	R1-2	17 OF 18	2S	36	X	31	-	-	-	3.88	-	1	-	-	-	-	-	1	1	-	-	-	YIELD
	17-3	R3-20L	17 OF 18	2S	24	X	36	-	-	-	6	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
	17-4	R3-20LL	17 OF 18	2S	24	X	36	-	-	-	6	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
	17-5	R3-20LL	17 OF 18	2S	24	X	36	-	-	-	6	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
	17-6	R3-20L	17 OF 18	3	36	X	54	-	-	-	13.5	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
	17-7	R3-20LL	17 OF 18	2S	24	X	36	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-	-	BEGIN LEFT TURN LANE WITH DOWN LEFT ARROW
	17-8	R3-20L	17 OF 18	2S	24	X	36	-	-	-	6	-	-	1	-	-	-	-	1	1	-	-	-	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
	18-1	R7-1D	18 OF 18	3	24		30	-	-	-	5	-	-	1	-	-	-	-	1	1	-	-	-	NO PARKING ANY TIME - DOUBLE ARROW
SUBTOTAL								**0**	**0**	**0**	**150.34**	**9**	**1**	**19**	**0**	**0**	**0**	**2**	**19**	**20**	**0**	**0**		
TOTAL								**2.4**	**360**	**20**	**547.73**	**90**	**5**	**53**	**2**	**1040**	**1**	**4**	**55**	**55**	**2**	**1**		

3

TRAFFIC CONTROL COVERING SIGNS

CATEGORY	STAGE	LOCATION	NUMBER OF CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NO.	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO.	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH
0010	1	STAGE 1A	1	4	4	10	10
		STAGE 1B	-	-	-	-	-
		STAGE 1C	1	4	4	10	10
		SUBTOTAL			8		20
	2	STAGE 2A	1	1	1	4	4
		STAGE 2B	-	-	--	--	--
		STAGE 2C	-	--	--	--	--
		SUBTOTAL			1		4
		PROJECT TOTAL			9		24

TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	643.3980 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 8-INCH LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH SOLID WHITE LF	643.3280 TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH SOLID WHITE LF
0010	1	STAGE 1A	1,600	200	1,820	375
		STAGE 1B	1,200	1,200	--	--
		STAGE 1C	1,600	200	1,820	375
		SUBTOTAL	4,400	1,600	3,640	750
	2	STAGE 2A	1,600	280	2,000	330
		STAGE 2B	1,080	1,200	--	--
		STAGE 2C	1,280	--	--	330
		SUBTOTAL	3,960	1,480	2,000	660
		PROJECT TOTAL	8,360	8,720		1,410

3

TRAFFIC CONTROL

CATEGORY	STAGE	LOCATION	643.5000 TRAFFIC CONTROL EACH
0010	ALL	PROJECT 2240-00-78	1
		PROJECT TOTAL	1

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS NO.	643.0300 TRAFFIC CONTROL DRUMS DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH NO.	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A NO.	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS NO.	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900* TRAFFIC CONTROL SIGNS NO.	643.0900* TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS NO.	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	1	STAGE 1A	21	440	9,240	538	11,298	61	1,281	122	2,562	61	1,281	2	42	191	4,011	4	28
		STAGE 1B	28	511	14,308	330	9,240	25	700	50	1,400	24	672	2	56	83	2,324	2	14
		STAGE 1C	21	301	6,321	220	4,620	55	1,155	110	2,310	49	1,029	2	42	140	2,940	3	21
		SUBTOTAL			29,869		25,158		3,136		6,272		2,982		140		9,275		63
		UNDISTRIBUTED (10%)			2,987		2,516		314		627		298		14		928		6
		STAGE 1 TOTAL			32,856		27,674		3,450		6,899		3,280		154		10,203		69
	2	STAGE 2A	24	649	15,576	929	22,296	53	1,272	106	2,544	40	960	3	72	132	3,168	5	35
		STAGE 2B	29	623	18,067	567	16,443	31	899	62	1,798	36	1,044	3	87	106	3,074	2	14
		STAGE 2C	24	603	14,472	--	--	41	984	82	1,968	40	960	3	72	97	2,328	2	14
		SUBTOTAL			48,115		38,739		3,155		6,310		2,964		231		8,570		63
		UNDISTRIBUTED (10%)			4,812		3,874		316		631		296		23		857		6
		STAGE 2 TOTAL			52,927		42,613		3,471		6,941		3,260		254		9,427		69
		PROJECT TOTAL			85,782		70,287		6,920		13,840		6,541		408		19,630		139

*ADDITIONAL QUANTITIES
SHOWN ELSEWHERE

TEMPORARY PEDESTRIAN DETOUR

				643.0900*		644.1410	644.1601		644.1605	644.1810	
		DURATION	CYCLES	TRAFFIC CONTROL SIGNS		TEMPORARY PEDESTRIAN SURFACE ASPHALT	TEMPORARY PEDESTRIAN CURB RAMP		TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN BARRICADE	
CATEGORY	STAGE	DAY	NO.	NO.	DAY	SF	NO.	DAY	SF	LF	COMMENTS
0010											
		3	1	1	3	371	--	--	10	53	STH 36 & Forest Hill SE
		3	1	1	3	55	--	--	10	28	STH 36 & Forest Hill NE
		3	1	1	3	125	1	3	10	156	STH 36 & Drexel Ave SE
		3	1	1	3	108	1	3	10	162	STH 36 & Drexel Ave NE
		3	1	3	9	--	--	--	--	23	STH 36 & Drexel Ave West
	SUBTOTAL				21	659		6	40	422	
		3	1	--	--	159	2	6	20	150	STH 36 & Drexel Ave Median
		3	1	1	3	214	--	--	--	233	STH 36 & Industrial Loop NW
		3	1	1	3	295	1	3	20	165	STH 36 & Industrial Loop SW
		3	1	1	3	285	--	--	20	241	STH 36 & College Ave SE
		3	1	1	--	285	1	3	20	245	STH 36 & College Ave NE
	SUBTOTAL				9	1,238		12	80	1,034	
		3	1	10	30	--	--	--	--	20	STH 36 & Industrial-College Median South
		3	1	10	30	--	--	--	--	20	STH 36 & Industrial-College Median North
		3	1	1	3	117	1	3	20	147	STH 36 & Ramsey Ave SE
		3	1	1	3	80	1	3	20	245	STH 36 & Ramsey Ave NE
		3	1	2	6	208	1	3	40	322	STH 36 & Southway SW
	SUBTOTAL			--	72	405	--	9	80	754	
		3	1	4	12	187	--	--	20	267	STH 36 & Southway NW
		3	1	10	30	--	--	--	--	20	STH 36 & Southway-Ramsey Median South
		3	1	10	30	--	--	--	--	20	STH 36 & Southway-Ramsey Median West
		3	1	10	30	--	--	--	--	20	STH 36 & Southway-Ramsey Median North
		3	1	1	--	235	--	--	50	305	STH 36 & Grange Ave SW
	SUBTOTAL			--	102	422	--	--	70	632	
		3	1	--	--	--	--	--	20	61	STH 36 & Grange Ave NW
		3	1	1	3	66	1	3	30	227	STH 36 & Grange Ave NE
		3	1	10	30	--	--	--	--	20	STH 36 & Grange Ave Median South
		3	1	10	30	--	--	--	--	20	STH 36 & Grange Ave Median North
		3	1	2	6	80	2	6	--	356	Entrance Ramp from Rawson Ave
	SUBTOTAL			--	69	146	--	9	50	684	
		3	1	2	6	80	2	6	--	290	Exit Ramp to Rawson Ave
		3	1	2	6	75	2	6	--	336	Exit Ramp to Rawson Ave
		3	1	4	12	290	2	6	20	202	STH 36 & Root River Parkway
		3	1	4	12	440	2	6	20	242	STH 36 & Churchwood Circle
		3	1	4	12	640	2	6	20	300	STH 36 & Driveway (STA 266+00)
	SUBTOTAL			--	48	1,525	--	30	60	1,370	
		3	1	2	6	50	2	6	--	392	Entrance Ramp from 76th St
		3	1	2	6	50	2	6	--	414	Exit Ramp to 76th St
		3	1	--	--	--	--	--	--	--	
		3	1	--	--	--	--	--	--	--	
		3	1	--	--	--	--	--	--	--	
	SUBTOTAL			--	12	100	--	12	--	806	
	UNDISTRIBUTED		1		30	260		6	26	425	
	PROJECT TOTAL				333	2,858		66	286	4,671	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

LONG LINE PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	646.2020 MARKING LINE EPOXY 6-INCH SOLID YELLOW LF	646.2020 MARKING LINE EPOXY 6-INCH SOLID WHITE LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH 12.5' WHITE LINE 25' SKIP LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH 3' LINE 9' SKIP WH ITE LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH 12.5' LINE 25' SKIP LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH 3' LINE 9' SKIP WH ITE LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH SOLID WHITE LF
0010	NB											
		BEGIN STATION TO DREXEL AVE NB	26+50	-	76+04	5,310	5,090	1,230	30	1,230	--	1,900
		DREXEL AVE TO HORIZON DR NB	77+05	-	189+07	10,880	8,340	2,800	--	2,800	--	910
		HORIZON DR TO COLLEGE AVE NB	189+18	-	216+60	2,670	2,800	690	80	690	--	890
		COLLEGE AVE TO RAMSEY AVE NB	217+61	-	232+42	1,180	1,660	370	60	370	--	460
		RAMSEY AVE TO GRANGE AVE NB	233+38	-	272+53	3,710	4,070	980	100	980	--	2,620
		GRANGE AVE TO END STATION NB	274+05	-	293+25	1,760	1,730	480	--	480	--	470
		CTH BB NB EXIT RAMP	117+25	-	143+20	730	3,060	--	--	--	60	1,320
		76TH STREET NB EXIT RAMP	118+10	-	153+80	2,790	2,830	--	--	--	120	740
		76TH STREET NB ENT RAMP	154+50	-	181+60	1,040	1,530	--	--	--	--	2,620
		GRANGE AVE EB				390	40					910
		SUBTOTAL				30,460	31,150	6,620	270	6,620	180	12,840
	SB											
		BEGIN STATION TO DREXEL AVE SB	26+50	-	76+04	4,750	5,460	1,220	--	1,220	--	2,140
		DREXEL AVE TO HORIZON DR SB	77+05	-	189+07	11,100	9,610	2,800	70	2,800	40	1,260
		HORIZON DR TO COLLEGE AVE SB	189+18	-	216+60	3,290	2,520	680	--	680	--	1,140
		COLLEGE AVE TO RAMSEY AVE SB	217+68	-	232+46	1,660	1,610	370	70	370	--	660
		RAMSEY AVE TO GRANGE AVE SB	233+43	-	272+27	3,400	4,090	970	60	970	--	680
		GRANGE AVE TO END STATION SB	273+72	-	293+25	2,010	2,300	490	120	490	--	2,200
		CTH BB SB ENT RAMP	105+30	-	136+15	640	2,370	--	--	--	--	--
		76TH STREET SB ENT RAMP TO CTH BB	136+80	-	158+20	850	2,110	--	--	--	--	2,670
		76TH STREET SB ENT RAMP	129+32	-	146+88	3,410	1,530	--	--	--	70	310
		76TH STREET SB EXIT RAMP	158+85	-	181+10	1,630	2,210	--	--	--	50	880
		GRANGE AVE WB				600	150	170	--		--	860
		SUBTOTAL				33,340	33,960	6,700	320	6,700	160	
		PROJECT TOTAL				63,800	65,110	13,320	590	13,320	340	25,640
		TOTAL				128,910		13,910		13,320	25,980	

MISCELLANEOUS PAVEMENT MARKING ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	NB													
		BEGIN STATION TO DREXEL AVE NB	26+50	-	76+04	2	2	154	--	--	400	46	25	2
		DREXEL AVE TO HORIZON DR NB	77+05	-	189+07	--	--	36	--	--	98	46	5	1
		HORIZON DR TO COLLEGE AVE NB	189+18	-	216+60	4	3	85	--	--	165	--	10	1
		COLLEGE AVE TO RAMSEY AVE NB	217+61	-	232+42	4	3	68	--	--	336	--	20	4
		RAMSEY AVE TO GRANGE AVE NB	233+38	-	272+53	7	5	110	29	--	269	--	10	4
		GRANGE AVE TO END STATION NB	274+05	-	293+25	--	--	--	--	--	130	--	5	1
		CTH BB NB EXIT RAMP	117+25	-	143+20	1	--	28	--	452	69	--	--	--
		76TH STREET NB EXIT RAMP	118+10	-	153+80	3	--	49	--	170	--	--	10	3
		76TH STREET NB ENT RAMP	154+50	-	181+60	--	--	--	--	--	86	--	--	--
		GRANGE AVE EB				--	--	41	22	--	228	--	30	1
		SUBTOTAL				21	13	571	51	622	1,781	92	115	17
	SB													
		BEGIN STATION TO DREXEL AVE SB	26+50	-	76+04	--	--	27	--	--	265	--	65	4
		DREXEL AVE TO HORIZON DR SB	77+05	-	189+07	2	1	47	--	--	79	38	5	1
		HORIZON DR TO COLLEGE AVE SB	189+18	-	216+60	--	--	57	--	--	337	--	10	2
		COLLEGE AVE TO RAMSEY AVE SB	217+68	-	232+46	4	3	93	--	--	417	--	20	3
		RAMSEY AVE TO GRANGE AVE SB	233+43	-	272+27	4	2	83	27	--	255	--	10	1
		GRANGE AVE TO END STATION SB	273+72	-	293+25	--	--	59	--	--	63	--	14	3
		CTH BB SB ENT RAMP	105+30	-	136+15	--	--	--	--	--	--	--	--	3
		76TH STREET SB ENT RAMP TO CTH BB	136+80	-	158+20	1	--	23	--	311	83	--	--	--
		76TH STREET SB ENT RAMP	129+32	-	146+88	--	--	49	--	45	56	--	--	3
		76TH STREET SB EXIT RAMP	158+85	-	181+10	3	--	44	--	266	102	--	10	--
		GRANGE AVE WB				--	--	40	24	--	234	--	36	1
		SUBTOTAL				14	6	522	51	622	1,891	38	170	21
		PROJECT TOTAL				35	19	1,093	102	1,244	3,672	130	285	38

3

FIELD OFFICE

CATEGORY	STAGE	LOCATION	642.5001 FIELD OFFICE TYPE B EACH
0010	ALL	PROJECT	1
		PROJECT TOTAL	1

FINISHING ROADWAY (PROJECT)

CATEGORY	STAGE	LOCATION	213.0100 FINISHING ROADWAY 2240-00-78 EACH
0010	ALL	PROJECT	1
		PROJECT TOTAL	1

3

GRADING SHAPING AND FINISHING

CATEGORY	STAGE	STATION	SPV.0090.0101 GRADING AND SHAPING DITCH LF
			1
0010	1	259+56.62-26+97.82	100
		PROJECT TOTAL	100

PREPARE FOUNDATION

CATEGORY	STAGE	LOCATION	211.0101 PREPARE FOUNDATION FOR ASPHALTIC PAVING 2240-00-78 EACH
0010	ALL	PROJECT	1
		PROJECT TOTAL	1

WATER

CATEGORY	STAGE	LOCATION	624.0100 MGAL
0010	ALL	PROJECT-BASE COMPACTION	40
		PROJECT-BORROW	10
		PROJECT TOTAL	50

MOBILIZATION

CATEGORY	STAGE	LOCATION	619.1000 MOBILIZATION EACH
0010	ALL	PROJECT	1
		PROJECT TOTAL	1

3

BARRIER SYSTEM GRADING SHAPING FINISHING

CATEGORY	STAGE	LOCATION	STATION	OFFSET	TO	STATION	OFFSET	** EXCAVATION COMMON CY	** FILL CY	** BORROW CY	** EROSION MAT URBAN CLASS I TYPE B SY	** EROSION MAT CLASS II TYPE B SY	** TOPSOIL SY	** FERTILIZER TYPE B CWT	** SEEDING MIXTURE NO. 40 LB	** SEEDING TEMPORARY LB	** SEED WATER MGAL
0010	1																
		STH 36	140+77	107' LT	-	141+69	109' LT	12	5	--	33	--	33	--	1	1	1
		STH 36	244+00	56' RT	-	247+52	54' RT	16	10	--	276	--	276	0.1	12	7	6
		STH 36	245+53	54' LT	-	247+54	56' LT	12	10	--	117	--	117	0.1	5	3	3
		STH 36	248+49	56' RT	-	263+52	54' RT	52	112	60	--	607	607	0.3	27	16	14
		PROJECT TOTAL						92	137	60	426	607	1,033	0.5	45	27	24

**NON-BID ITEM, ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY. ITEMS INCIDENTAL TO BARRIER SYSTEM GRADING SHAPING FINISHING.

GUARDRAIL ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH
0010	1						
		STH 36	140+77	-	141+69	LT	1
		STH 36	244+00	-	247+52	RT	1
		STH 36	245+53	-	247+54	LT	1
		STH 36	248+49	-	263+52	RT	1
		PROJECT TOTAL					4

SLURRY ITEMS

CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	SPV.0035.0101 BACKFILL SLURRY CY
0010	1						
		STH 36	140+77	-	141+69	LT	0.1
		STH 36	244+00	-	247+52	RT	0.4
		STH 36	245+53	-	247+54	LT	0.4
		STH 36	248+49	-	263+52	RT	1.7
		PROJECT TOTAL					2.6

GUARDRAIL ITEMS

CATEGORY	STAGE	LOCATION	STATION	OFFSET	TO	STATION	OFFSET	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.2300 MGS GUARDRAIL 3 LF	614.2310 MGS GUARDRAIL 3 HS LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
0010	1												
		STH 36	140+77	107' LT	-	141+69	109' LT	46	--	--	39	1	--
		STH 36	244+00	56' RT	-	247+52	54' RT	149	288	--	--	1	1
		STH 36	245+53	54' LT	-	247+54	56' LT	92	138	--	--	1	1
		STH 36	248+49	56' RT	-	263+52	54' RT	613	1,188	250	--	1	1
		PROJECT TOTAL						900	1,613	250	39	4	3

SAWING

CATEGORY	STAGE	LOCATION	690.0150 SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
0010	1			
		STH 36	--	400
		SUBTOTAL	--	400
	2			
		STH 36	--	2,800
		SUBTOTAL	--	2,800
		CATEGORY TOTAL	--	3,200
0130	1			
		STH 36	206	590
		SUBTOTAL	206	590
		PROJECT TOTAL	206	3,790

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CATEGORY	STAGE	LOCATION	STATION	OFFSET	SPV.0060.0201 REPLACE MANHOLE CASTING FRAME AND LID EACH	SPV.0060.0202 ADJUSTING WATER VALVE BOXES EACH	SPV.0060.0203 EXTEND HYDRANT LEAD EACH
0130	1						
		STH 36	21+11	68'RT	--	1	--
			24+33	60'RT	--	1	--
			34+08	95'RT	--	--	1
			36+73	85'RT	--	1	--
			45+77	85'RT	--	1	--
			64+66	50'RT	--	1	--
			76+11	58'RT	--	1	--
			76+43	87'LT	1	--	--
			76+58	94'LT	--	1	--
		PROJECT TOTAL			1	7	1

3

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	STAGE	LOCATION	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS 2240-00-78 EACH
0010	ALL	PROJECT	1
		PROJECT TOTAL	1

STRUCTURE B-40-0387

PROJECT	CATEGORY	ROADWAY	STATION	-	STATION	502.0717.S CRACK SEALING EPOXY LF	502.3205 PIGMENTED SURFACE SEALER RESEAL SY	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL SY
2240-00-78	0140							
		STH 36	197+87		199+19	204	690	1,800
		PROJECT TOTAL				204	690	1,800

STAKING ITEMS

CATEGORY	STAGE	LOCATION	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.6501.0001 CONSTRUCTION STAKING STRUCTURE LAYOUT C-40-44 EACH	650.6501.0002 CONSTRUCTION STAKING STRUCTURE LAYOUT C-40-17 EACH	650.6501.0003 CONSTRUCTION STAKING STRUCTURE LAYOUT B-40-512 EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 2240-00-78 EACH	650.9500 CONSTRUCTION STAKING SIDEWALK 2240-00-78 EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	COMMENTS
0010	1											
		STH 36	2,053	1	--	--	--	26,628	1	--	--	
		CATEGORY TOTAL	2,053	1	--	--	--	26,628	1	--	--	
0100	1											
		STH 36	--	--	1	--	--	--	--	--	--	
		CATEGORY TOTAL	--	--	1	--	--	--	--	--	--	
0110	1											
		STH 36	--	--	--	1	--	--	--	--	--	
		CATEGORY TOTAL	--	--	--	1	--	--	--	--	--	
0120	1											
		STH 36	--	--	--	--	1	--	--	--	--	
		CATEGORY TOTAL	--	--	--	--	1	--	--	--	--	
0130	1											
		STH 36	394	11	--	--	--	--	--	1	13,568	SLOPE STAKES FOR SIDEWALK AND GUARDRAIL AREAS ONLY
		CATEGORY TOTAL	394	11	--	--	--	--	--	1	13,568	
		PROJECT TOTAL	2,447	12	1	1	1	26,628	1	1	13,568	

R/W PROJECT NUMBER: 2240-00-28	EXHIBIT NUMBER: 4.01

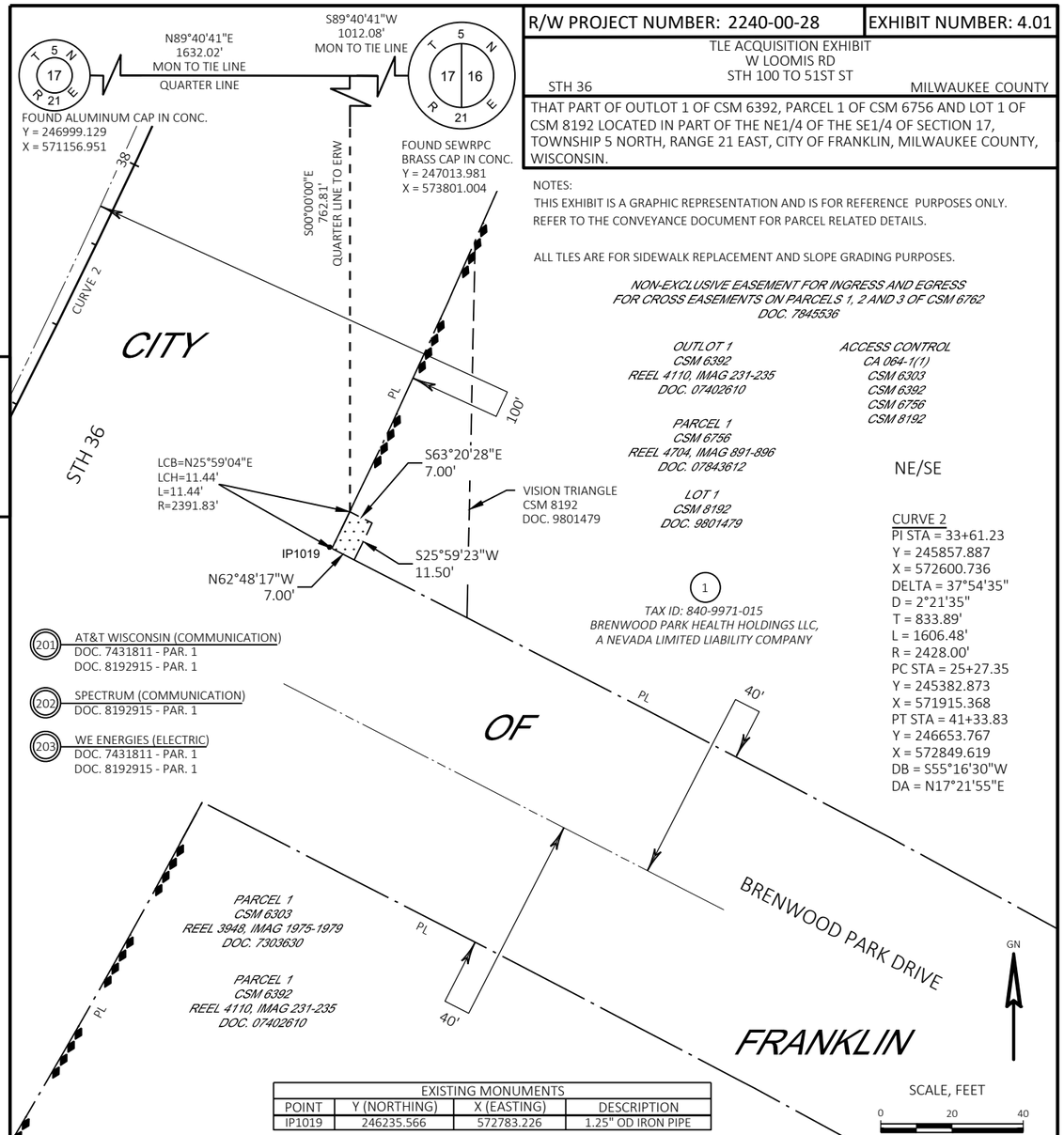
TLE ACQUISITION EXHIBIT
W LOOMIS RD
STH 100 TO 51ST ST

STH 36 — MILWAUKEE COUNTY

THAT PART OF OUTLOT 1 OF CSM 6392, PARCEL 1 OF CSM 6756 AND LOT 1 OF CSM 8192 LOCATED IN PART OF THE NE1/4 OF THE SE1/4 OF SECTION 17, TOWNSHIP 5 NORTH, RANGE 21 EAST, CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

ALL TLES ARE FOR SIDEWALK REPLACEMENT AND SLOPE GRADING PURPOSES.



NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS FOR CROSS EASEMENTS ON PARCELS 1, 2 AND 3 OF CSM 6762 DOC. 7845536

OUTLOT 1
CSM 6392
REEL 4110, IMAG 231-235
DOC. 07402610

PARCEL 1
CSM 6756
REEL 4704, IMAG 891-896
DOC. 07843612

LOT 1
CSM 8192
DOC. 9801479

ACCESS CONTROL
CA 064-1(1)
CSM 6303
CSM 6392
CSM 6756
CSM 8192

NE/SE

(1) *TAX ID: 840-9971-015*
BRENWOOD PARK HEALTH HOLDINGS LLC, A NEVADA LIMITED LIABILITY COMPANY

CURVE 2
PI STA = 33+61.23
Y = 245857.887
X = 572600.736
DELTA = 37°54'35"
D = 2°21'35"
T = 833.89'
L = 1606.48'
R = 2428.00'
PC STA = 25+27.35
Y = 245382.873
X = 571915.368
PT STA = 41+33.83
Y = 246653.767
X = 572849.619
DB = S55°16'30"W
DA = N17°21'55"E

(201) AT&T WISCONSIN (COMMUNICATION)
DOC. 7431811 - PAR. 1
DOC. 8192915 - PAR. 1

(202) SPECTRUM (COMMUNICATION)
DOC. 8192915 - PAR. 1

(203) WE ENERGIES (ELECTRIC)
DOC. 7431811 - PAR. 1
DOC. 8192915 - PAR. 1

EXISTING MONUMENTS			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
IP1019	246235.566	572783.226	1.25" OD IRON PIPE

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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 REQUIRED	TLE S.F.
1	BRENWOOD PARK HEALTH HOLDINGS LLC, A NEVADA LIMITED LIABILITY COMPANY	TLE	80

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
202	SPECTRUM (COMMUNICATION)	RELEASE OF RIGHTS
203	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 36	PROJECT F064-1(5)/2240-02-22	200'	1956
STH 36	PROJECT T064-1(35)/2240-2-21	200'	1967
STH 36	CSM 6392	200'	1997
STH 36	CSM 6756	200'	1999
BRENTWOOD PARK DRIVE	CSM 6392	200'	1997
BRENTWOOD PARK DRIVE	CSM 6756	200'	1999

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHEAST - WAUKESHA REGION OFFICE

SIGNATURE: _____ DATE: _____

PRINT NAME: ROBERT L. DUFFECK

FILE NAME : TLE EXHIBITS.DWG PLOT DATE : 10/27/2022 10:48 AM R/W PROJECT: 2240-00-28

4

R/W PROJECT NUMBER: 2240-00-28	EXHIBIT NUMBER: 4.02

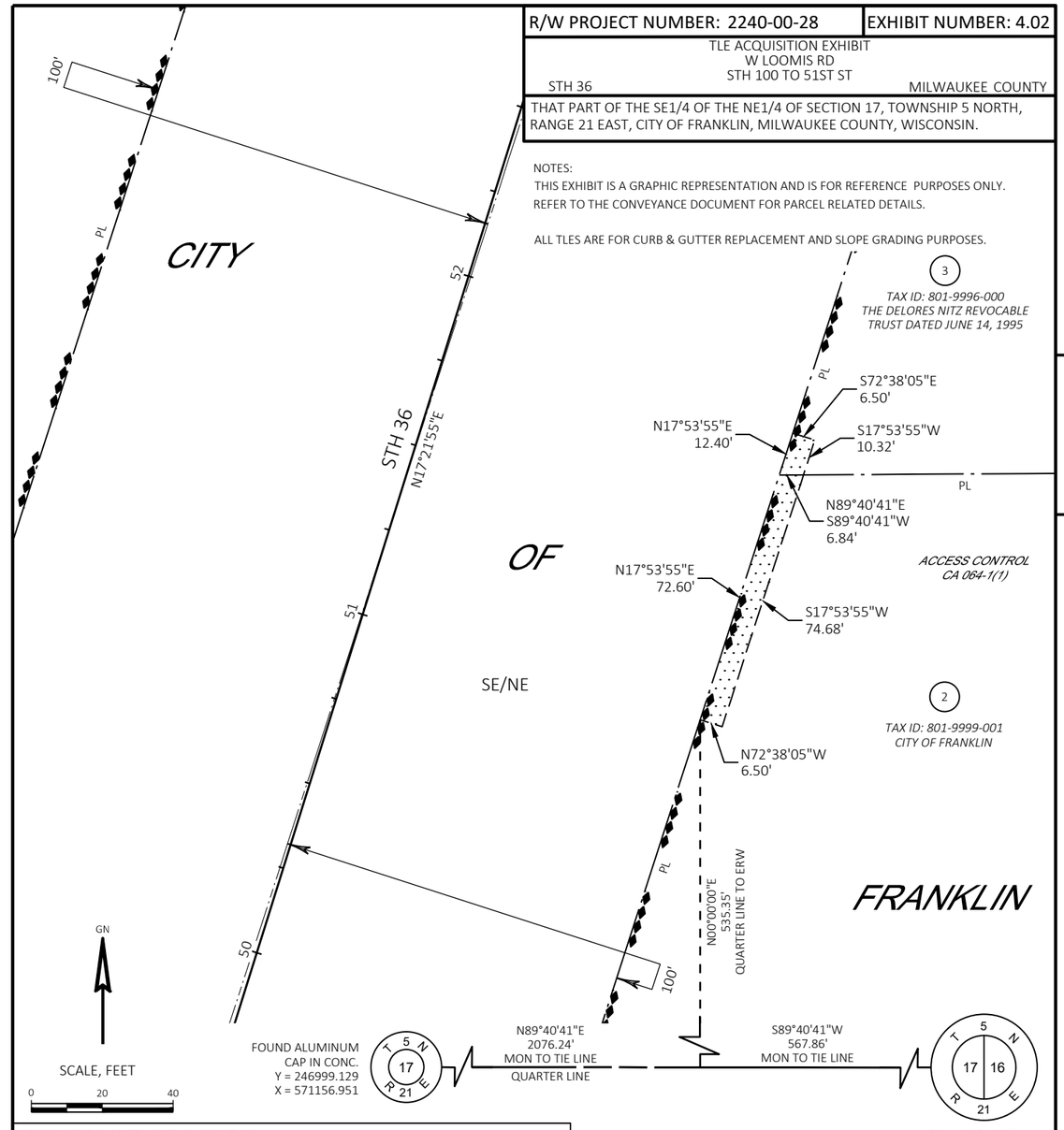
TLE ACQUISITION EXHIBIT
W LOOMIS RD
STH 100 TO 51ST ST

STH 36 — MILWAUKEE COUNTY

THAT PART OF THE SE1/4 OF THE NE1/4 OF SECTION 17, TOWNSHIP 5 NORTH, RANGE 21 EAST, CITY OF FRANKLIN, MILWAUKEE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

ALL TLES ARE FOR CURB & GUTTER REPLACEMENT AND SLOPE GRADING PURPOSES.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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 REQUIRED	TLE S.F.
2	CITY OF FRANKLIN	TLE	479
3	THE DELORES NITZ REVOCABLE TRUST DATED JUNE 14, 1995	TLE	74

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 36	PROJECT F064-1(5)/2240-02-22	200'	1956
STH 36	PROJECT T064-1(35)/2240-2-21	200'	1967

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHEAST - WAUKESHA REGION OFFICE

SIGNATURE: _____ DATE: _____

PRINT NAME: ROBERT L. DUFFECK

FILE NAME : TLE EXHIBITS.DWG PLOT DATE : 10/27/2022 10:48 AM R/W PROJECT: 2240-00-28

4

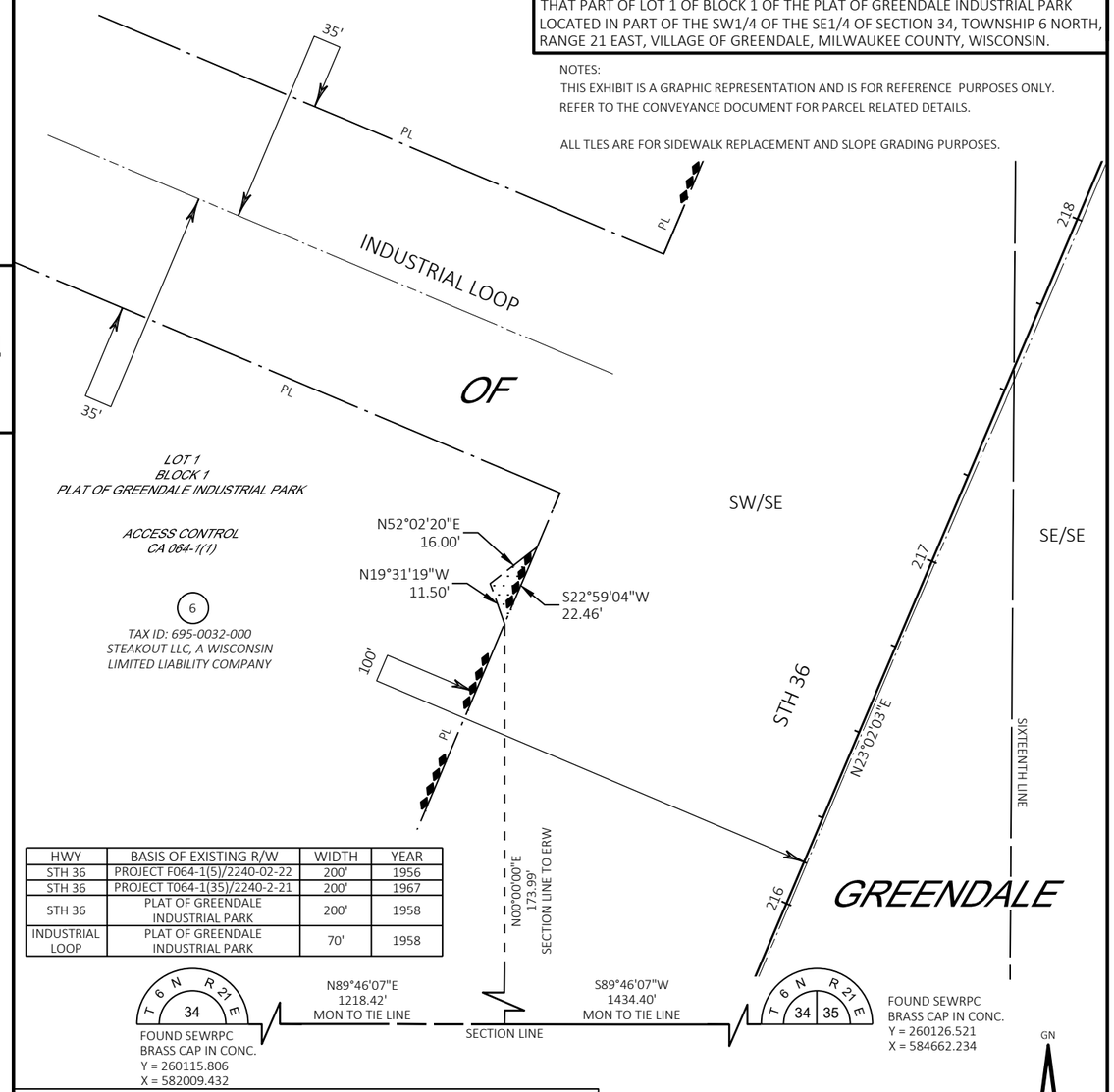
R/W PROJECT NUMBER: 2240-00-28	EXHIBIT NUMBER: 4.03

TLE ACQUISITION EXHIBIT
W LOOMIS RD
STH 100 TO 51ST ST
STH 36 MILWAUKEE COUNTY

THAT PART OF LOT 1 OF BLOCK 1 OF THE PLAT OF GREENDALE INDUSTRIAL PARK LOCATED IN PART OF THE SW1/4 OF THE SE1/4 OF SECTION 34, TOWNSHIP 6 NORTH, RANGE 21 EAST, VILLAGE OF GREENDALE, MILWAUKEE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

ALL TLES ARE FOR SIDEWALK REPLACEMENT AND SLOPE GRADING PURPOSES.



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
STH 36	PROJECT F064-1(5)/2240-02-22	200'	1956
STH 36	PROJECT T064-1(35)/2240-2-21	200'	1967
STH 36	PLAT OF GREENDALE INDUSTRIAL PARK	200'	1958
INDUSTRIAL LOOP	PLAT OF GREENDALE INDUSTRIAL PARK	70'	1958

201 AT&T WISCONSIN (COMMUNICATION)
DOC. 3111046 - PAR. 6
DOC. 3734879 - PAR. 6

203 WE ENERGIES (ELECTRIC)
DOC. 1441525 - PAR. 6
DOC. 3734879 - PAR. 6

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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 REQUIRED	TLE S.F.
6	STEAKOUT LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	87

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHEAST - WAUKESHA REGION OFFICE

SIGNATURE: _____ DATE: _____

PRINT NAME: ROBERT L. DUFFECK

FILE NAME : TLE EXHIBITS.DWG PLOT DATE : 10/27/2022 10:48 AM R/W PROJECT: 2240-00-28

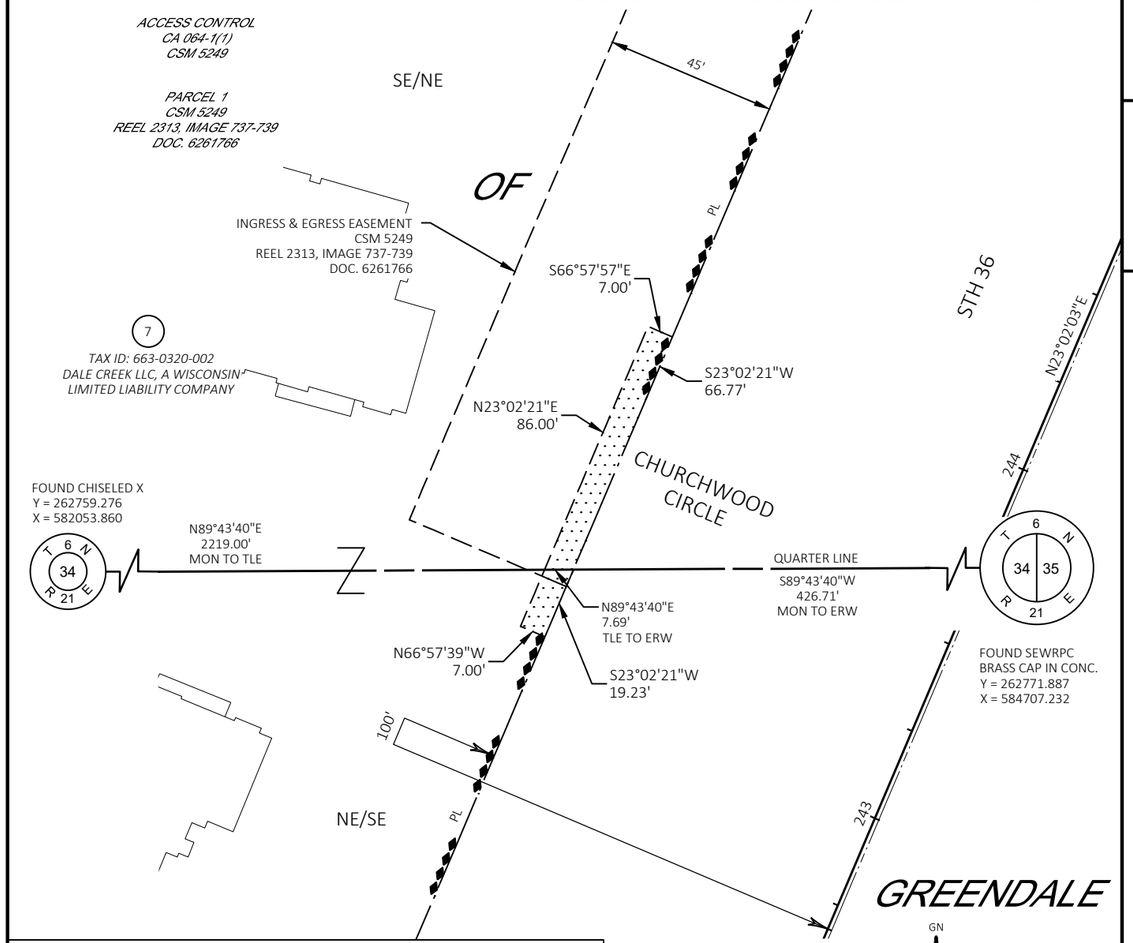
R/W PROJECT NUMBER: 2240-00-28	EXHIBIT NUMBER: 4.04

TLE ACQUISITION EXHIBIT
W LOOMIS RD
STH 100 TO 51ST ST
STH 36 MILWAUKEE COUNTY

THAT PART OF PARCEL 1 OF CSM 5249 LOCATED IN PART OF THE SE1/4 OF THE NE1/4 AND PART OF THE NE1/4 OF THE SE1/4 OF SECTION 34, TOWNSHIP 6 NORTH, RANGE 21 EAST, VILLAGE OF GREENDALE, MILWAUKEE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

ALL TLES ARE FOR CURB & GUTTER REPLACEMENT AND SLOPE GRADING PURPOSES.



201 AT&T WISCONSIN (COMMUNICATION)
DOC. 3111046 - PAR. 7
DOC. 6303923 - PAR. 7

203 WE ENERGIES (ELECTRIC)
DOC. 1441521 - PAR. 7
DOC. 1441522 - PAR. 7
DOC. 6303923 - PAR. 7

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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 REQUIRED	TLE S.F.
7	DALE CREEK LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	602

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
201	AT&T WISCONSIN (COMMUNICATION)	RELEASE OF RIGHTS
203	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHEAST - WAUKESHA REGION OFFICE

SIGNATURE: _____ DATE: _____

PRINT NAME: ROBERT L. DUFFECK

FILE NAME : TLE EXHIBITS.DWG PLOT DATE : 10/27/2022 10:48 AM R/W PROJECT: 2240-00-28

STH 36 R/L

20+00 21+00 22+00 23+00 24+00 25+00

STH 36

BEGIN SIDEWALK

STH 36 SIDEWALK R/L

2220+00 2221+00 2222+00 2223+00 2224+00

SI

SI

EX R/W

STH 100

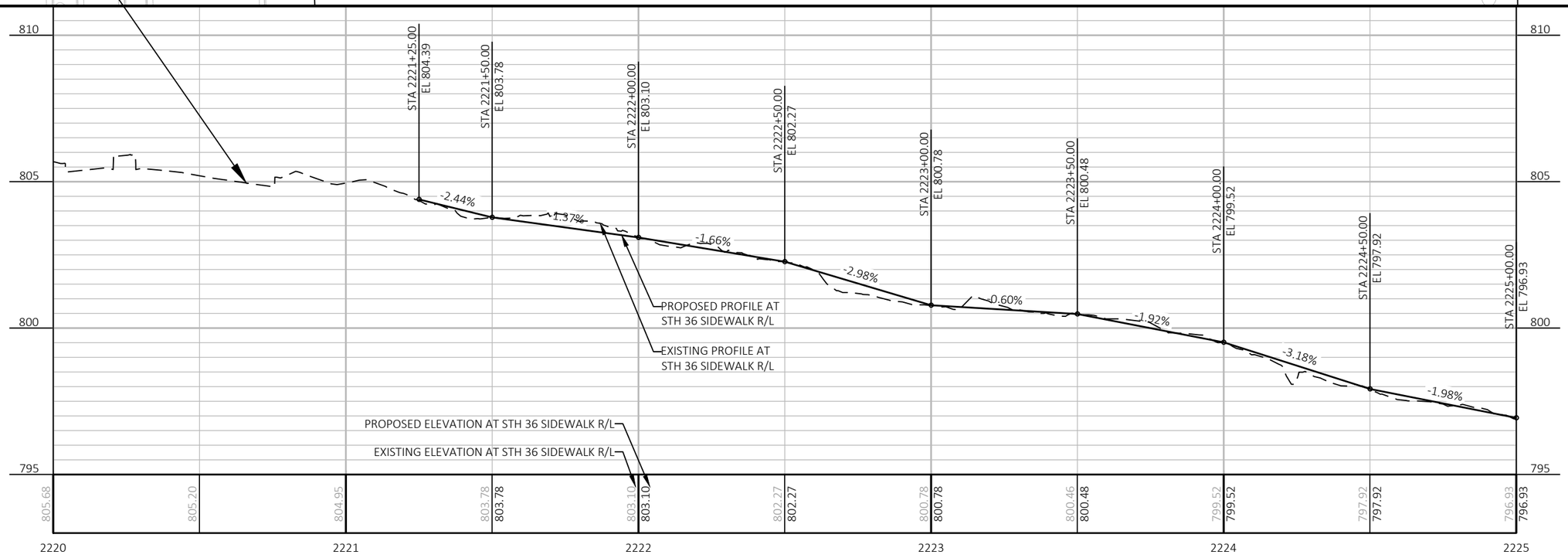
BEGIN CONSTRUCTION STA 2220+73.20

MATCHLINE 2224+99.71

N

5

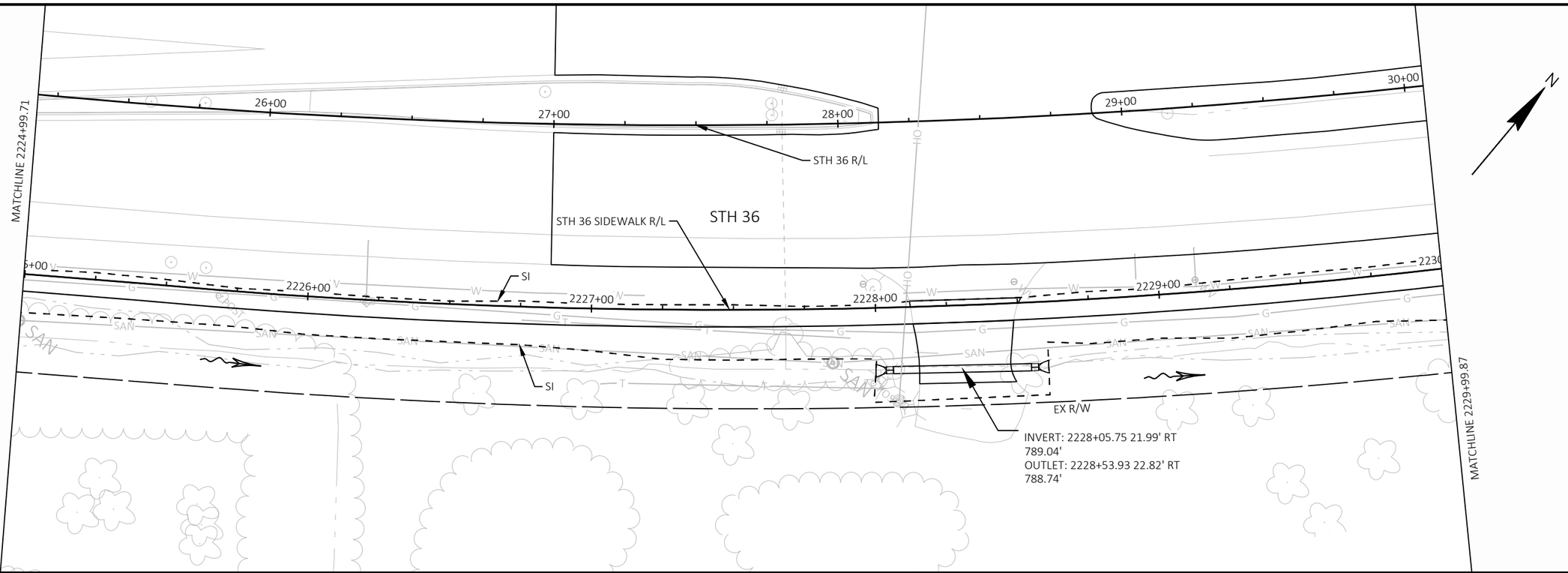
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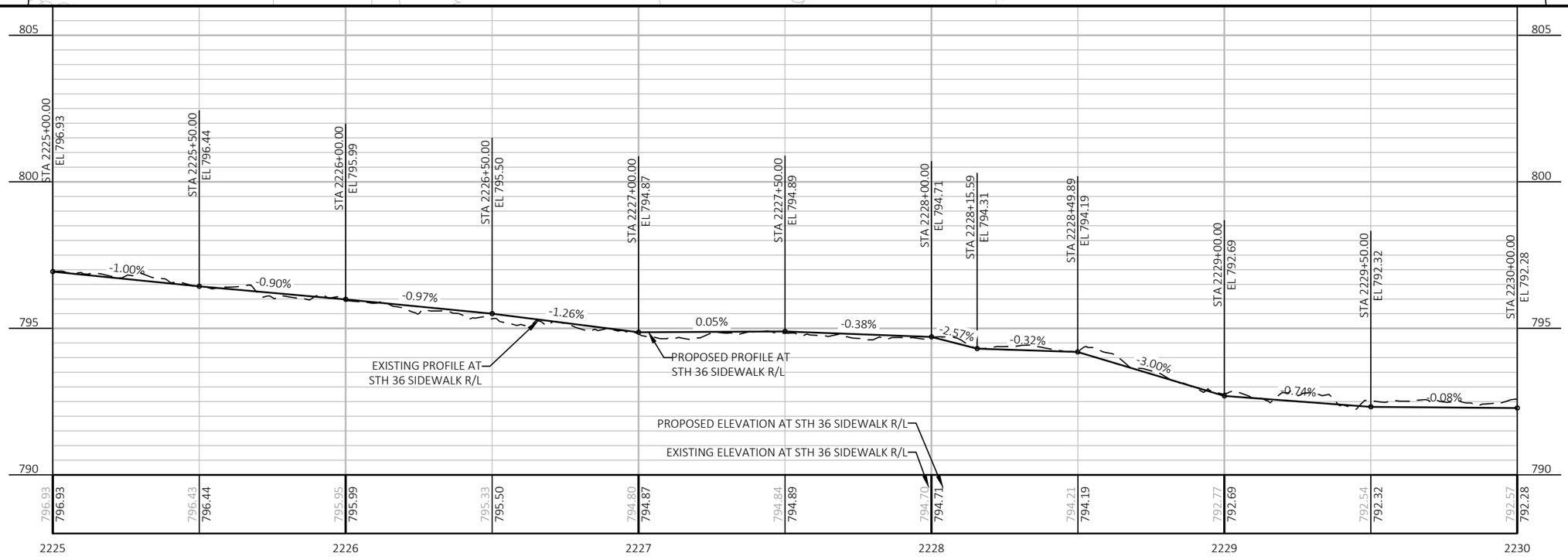


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 243	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101

PLOT DATE : 10/27/2023 9:24 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

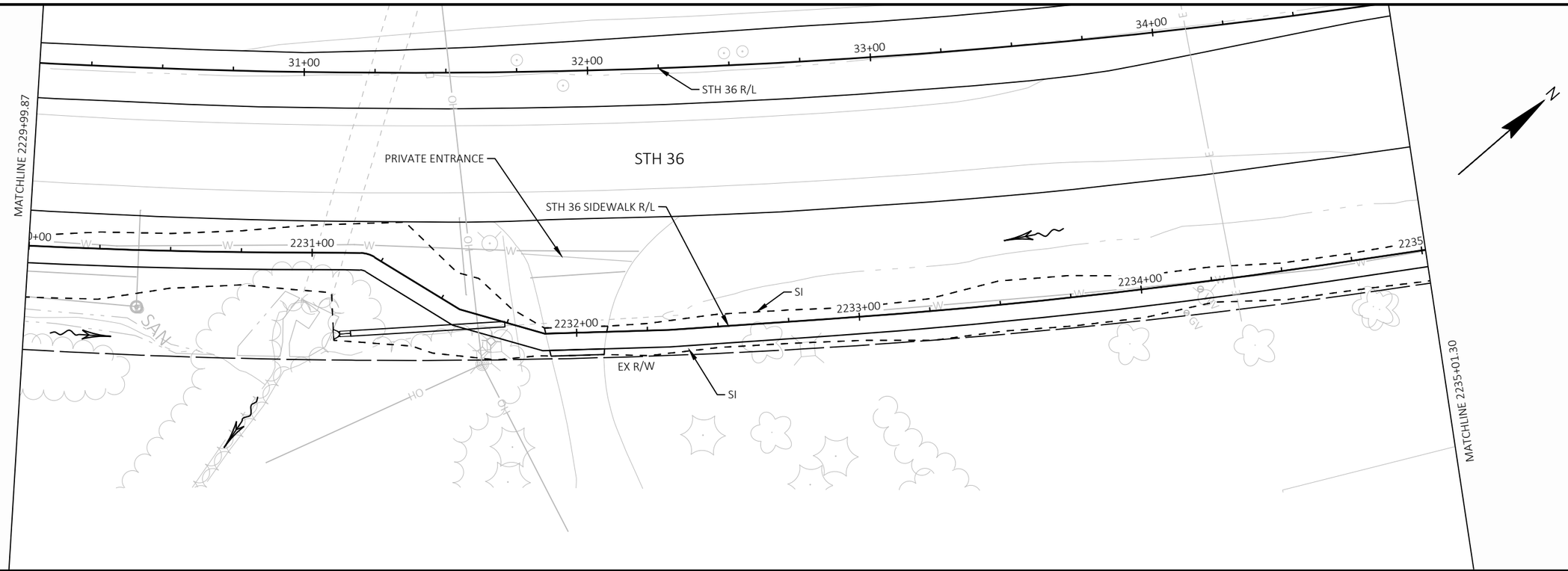


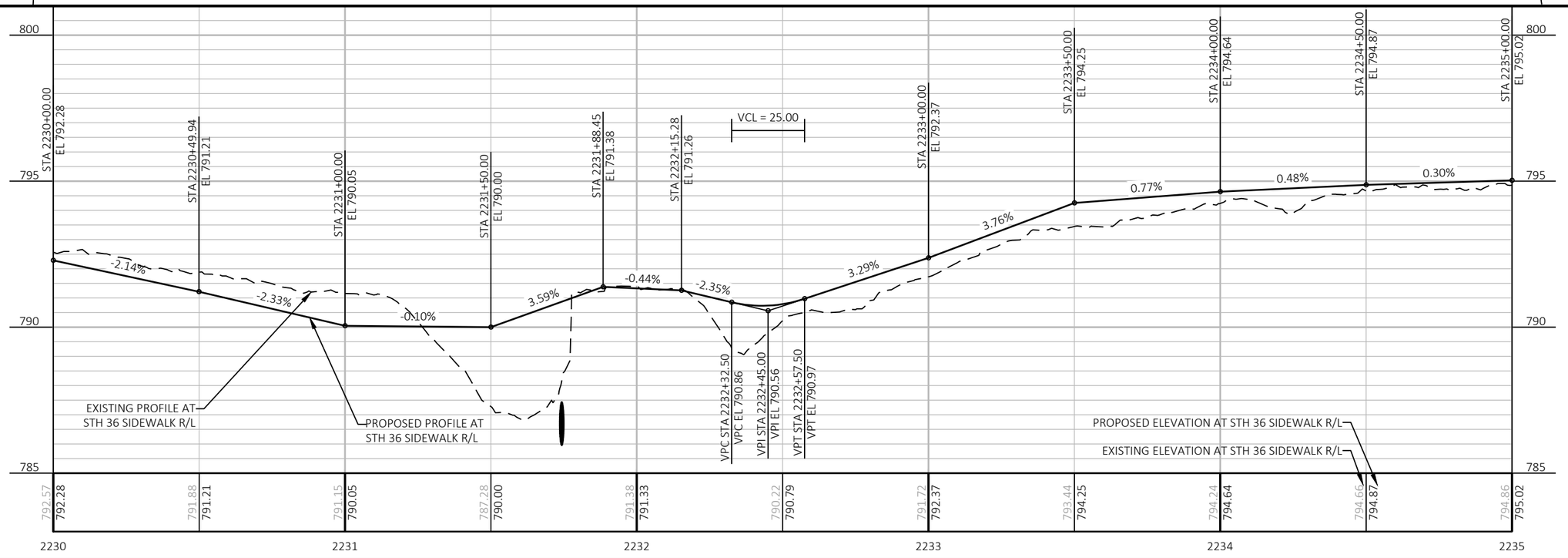


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 244	E

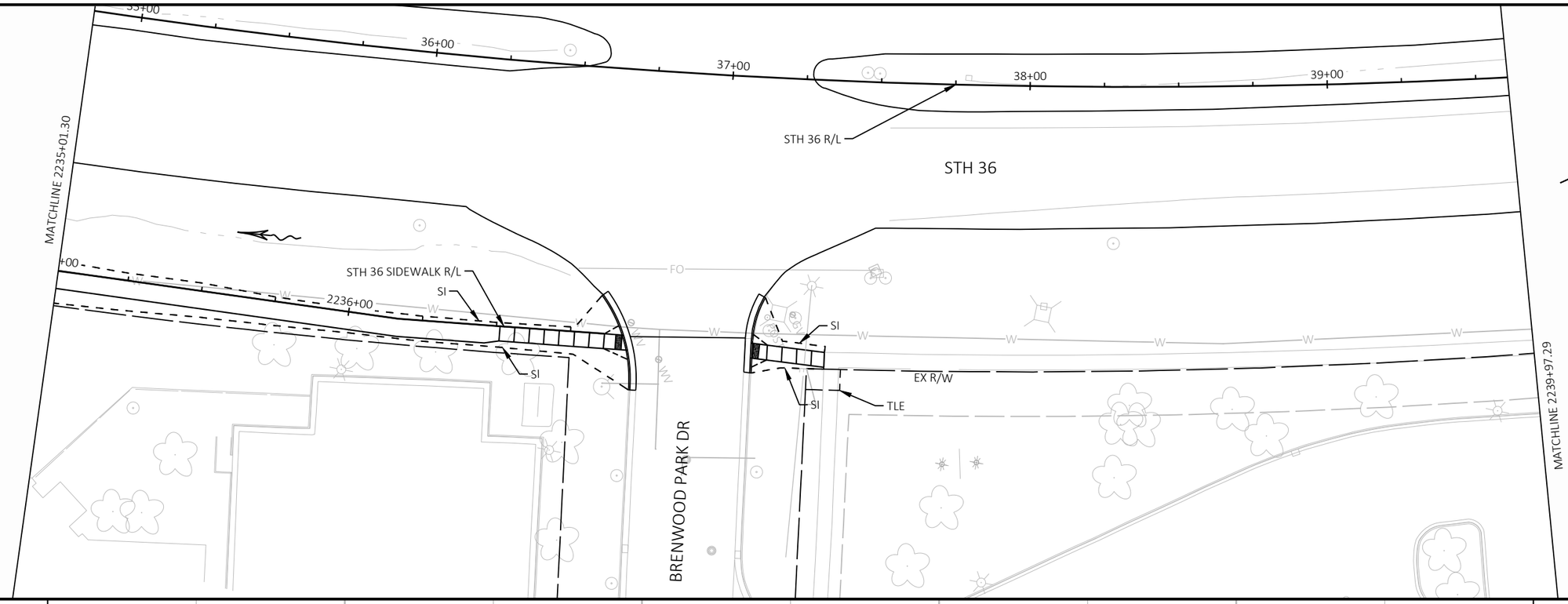
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LAYOUT NAME - 050102

PLOT DATE : 10/27/2023 9:25 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 245	E

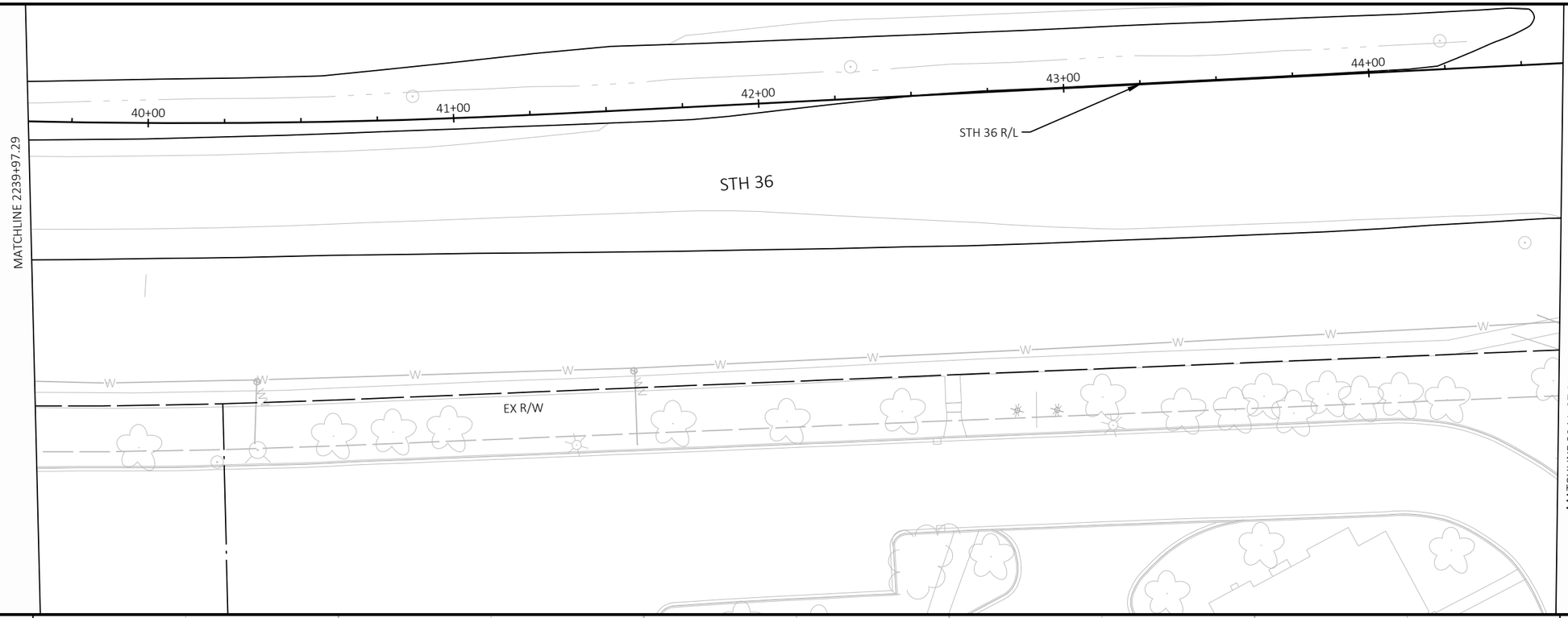


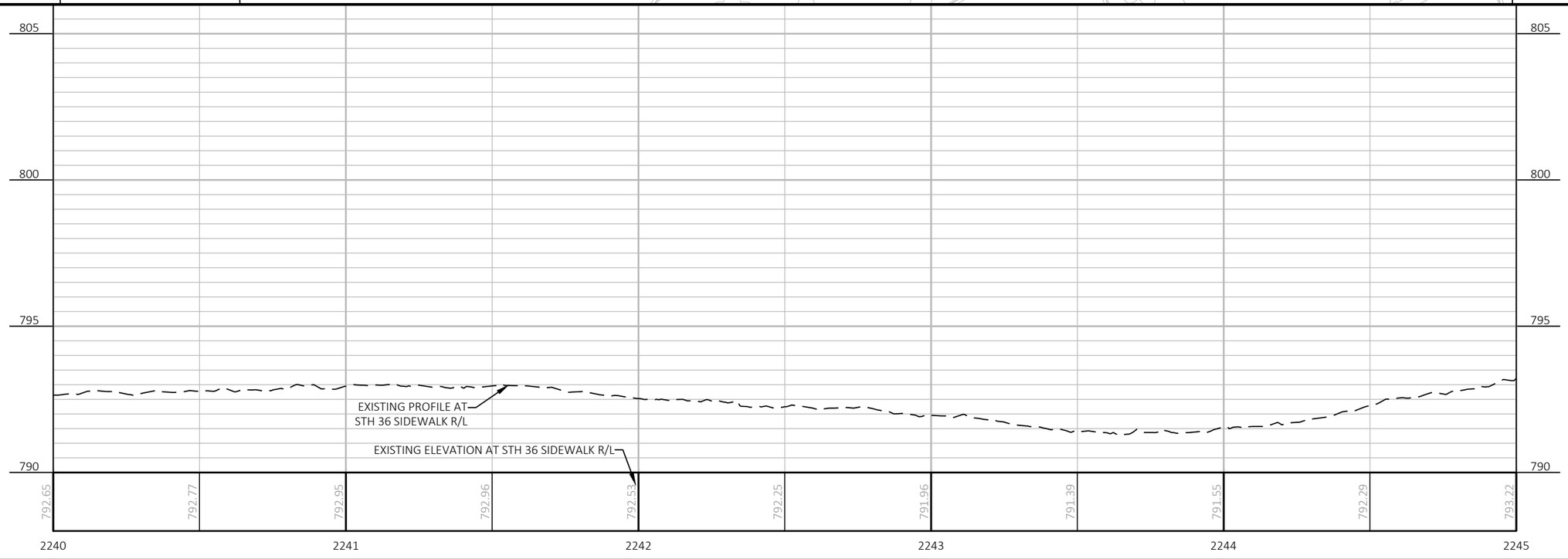
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 246	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104

PLOT DATE : 10/27/2023 9:26 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

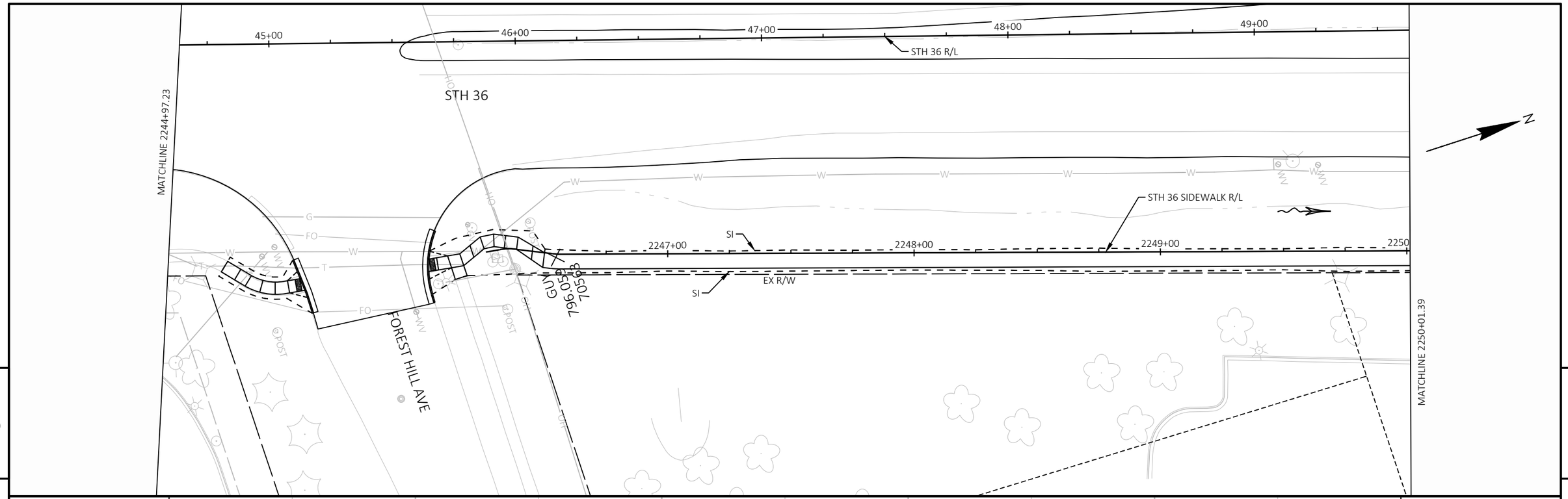


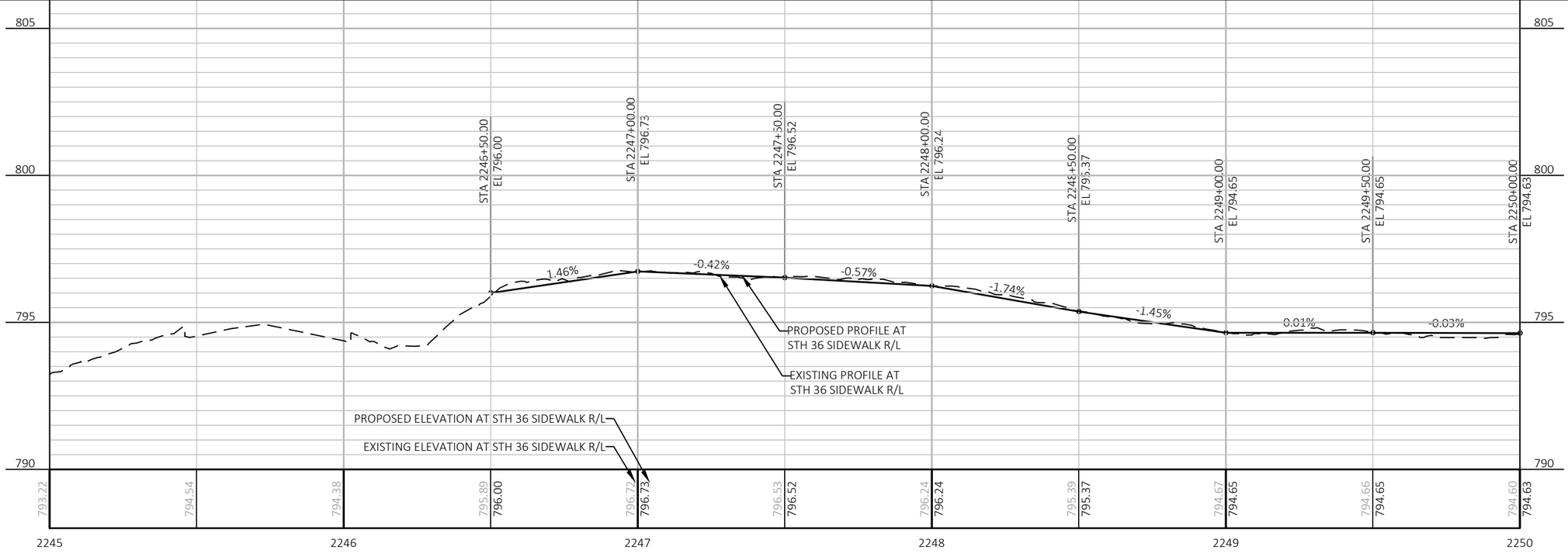


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 247	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050105

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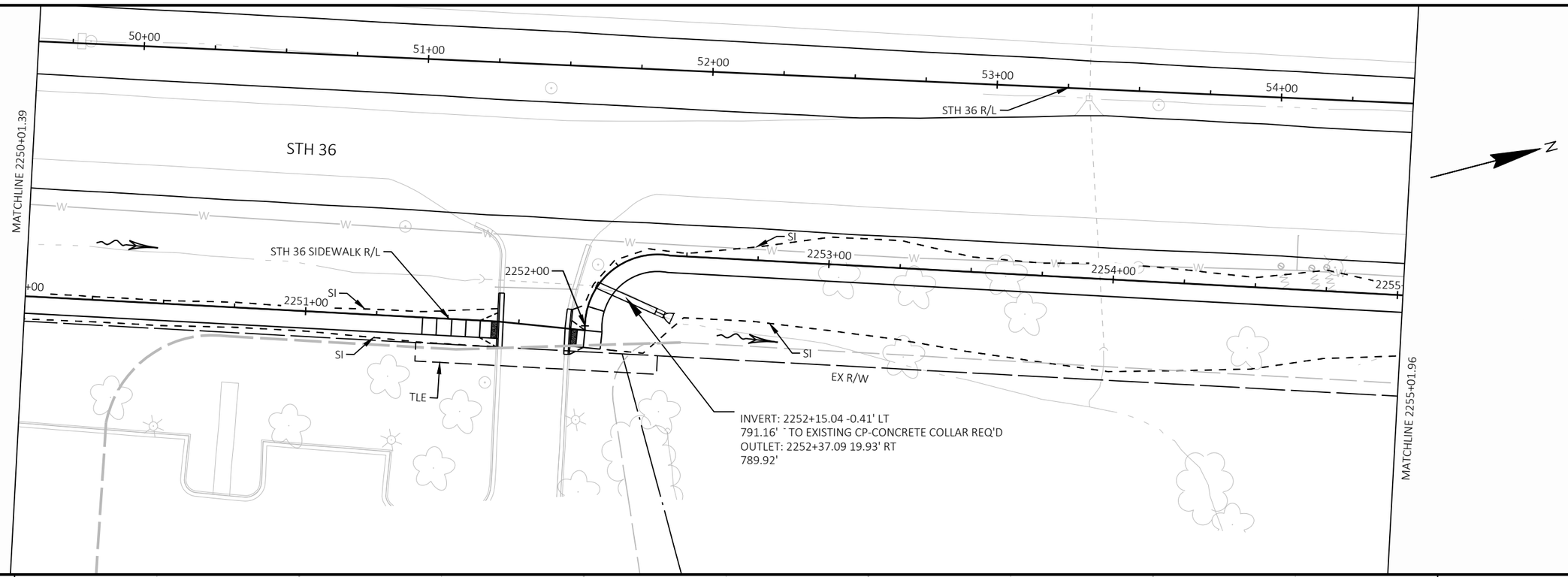


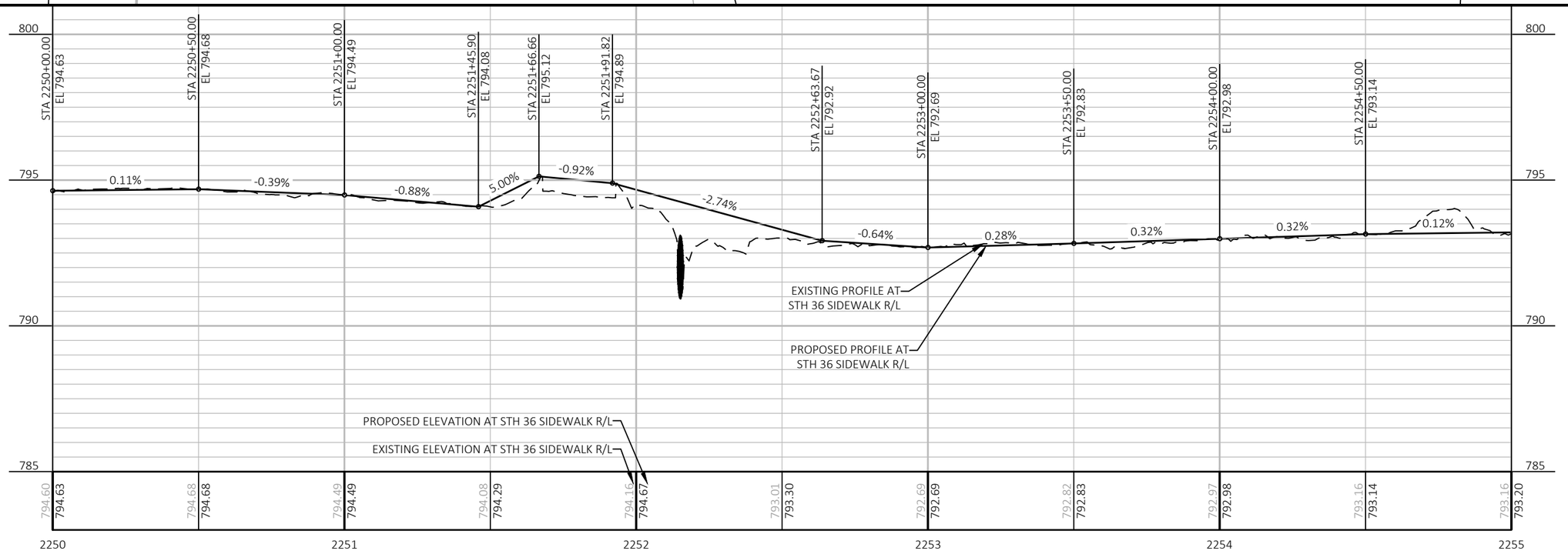


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 248	E

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LAYOUT NAME - 050106

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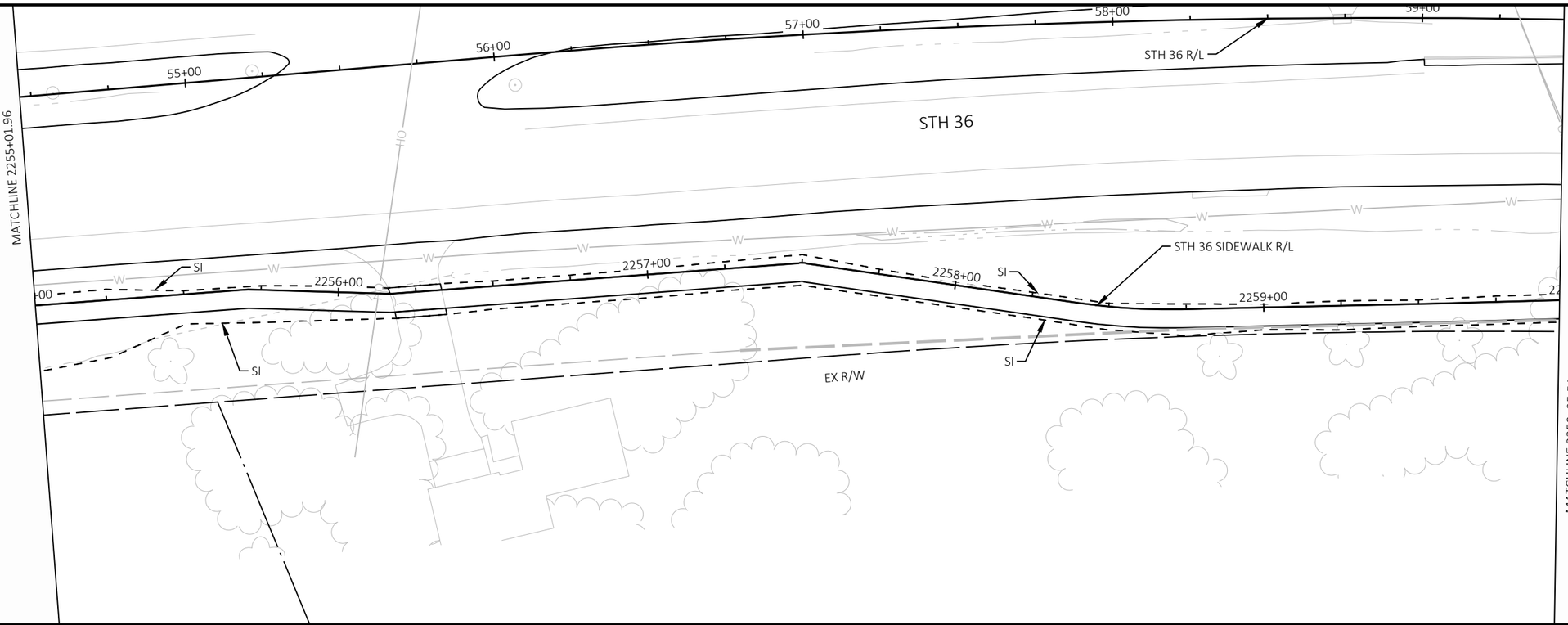


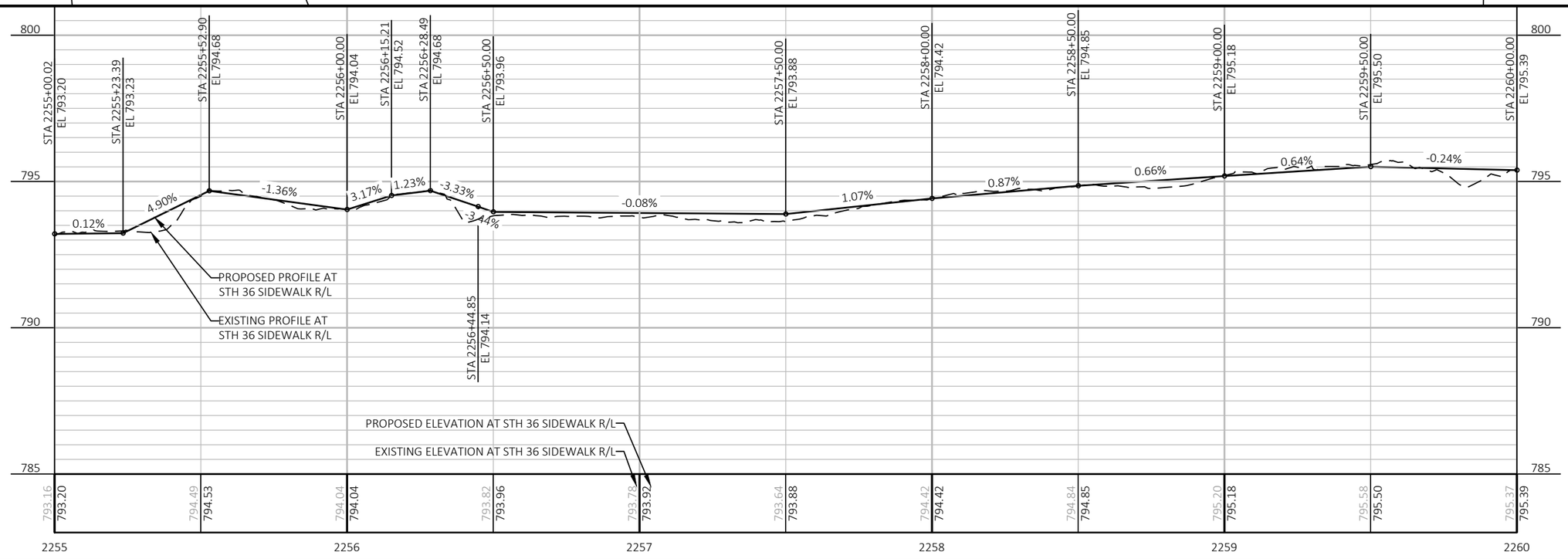


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 249 E

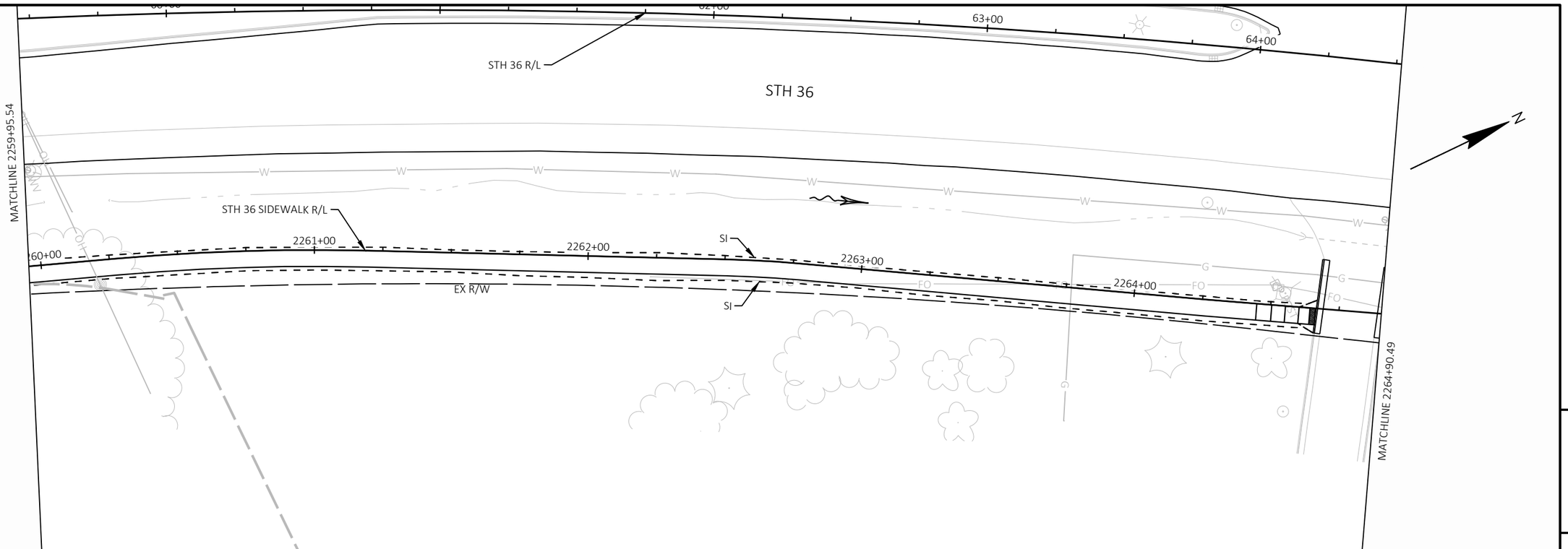
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LAYOUT NAME - 050107

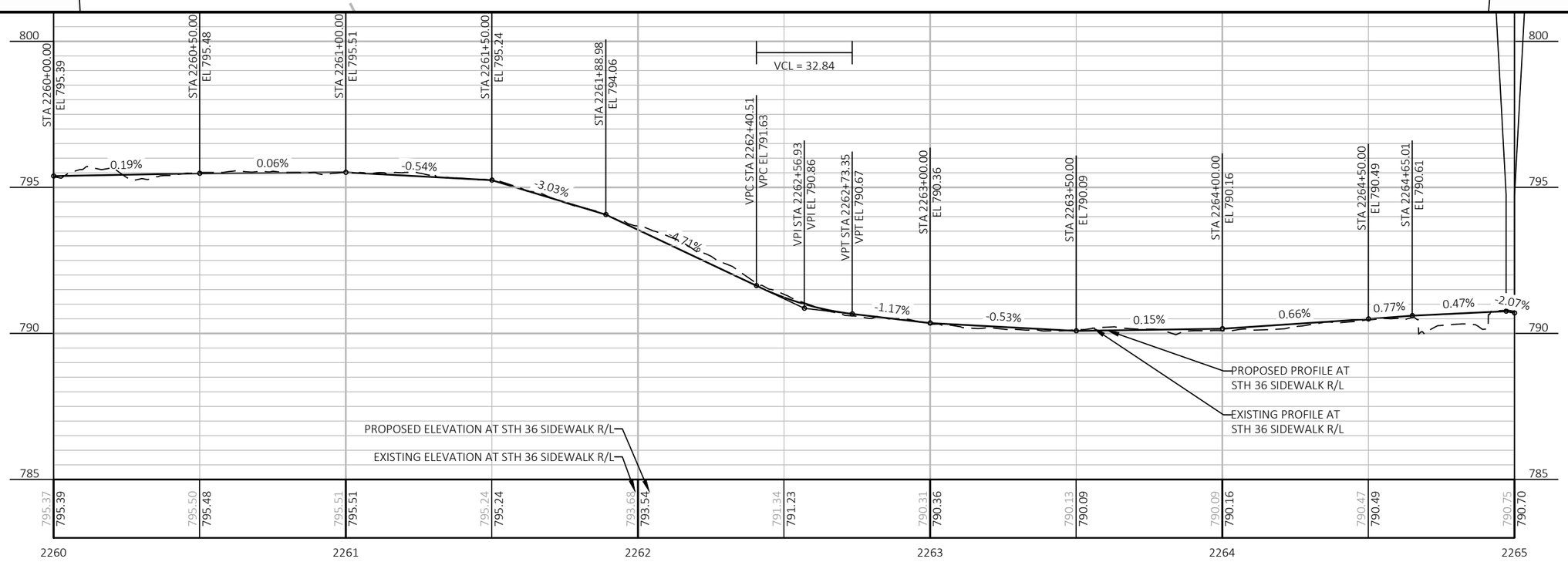
PLOT DATE : 10/27/2023 9:27 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 250	E

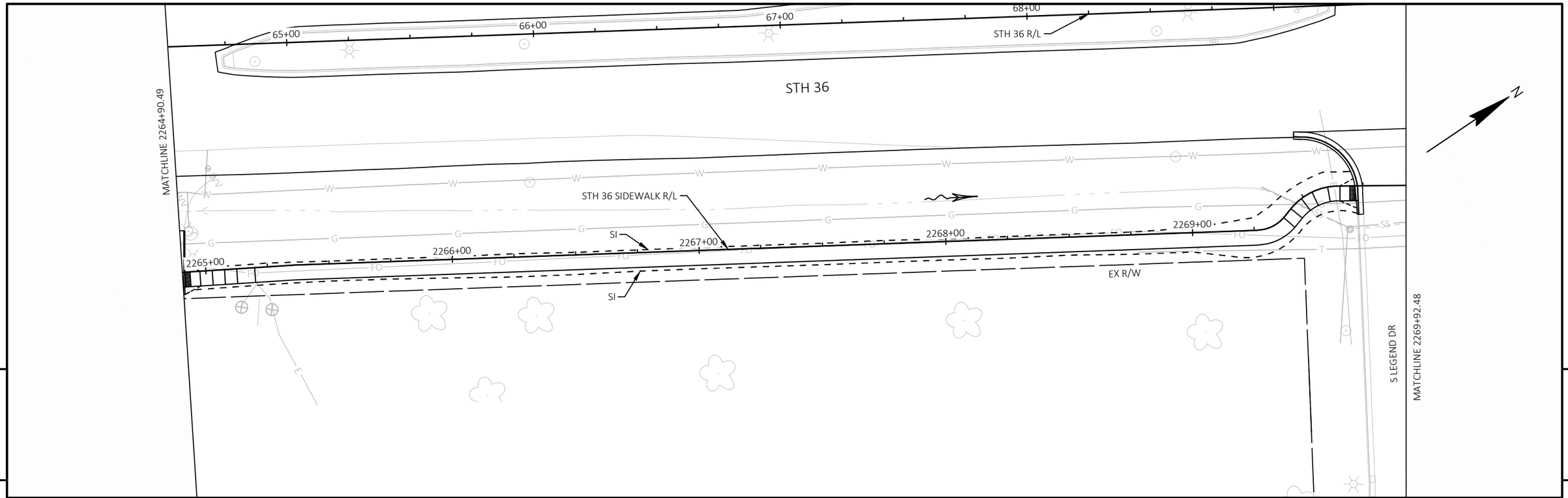


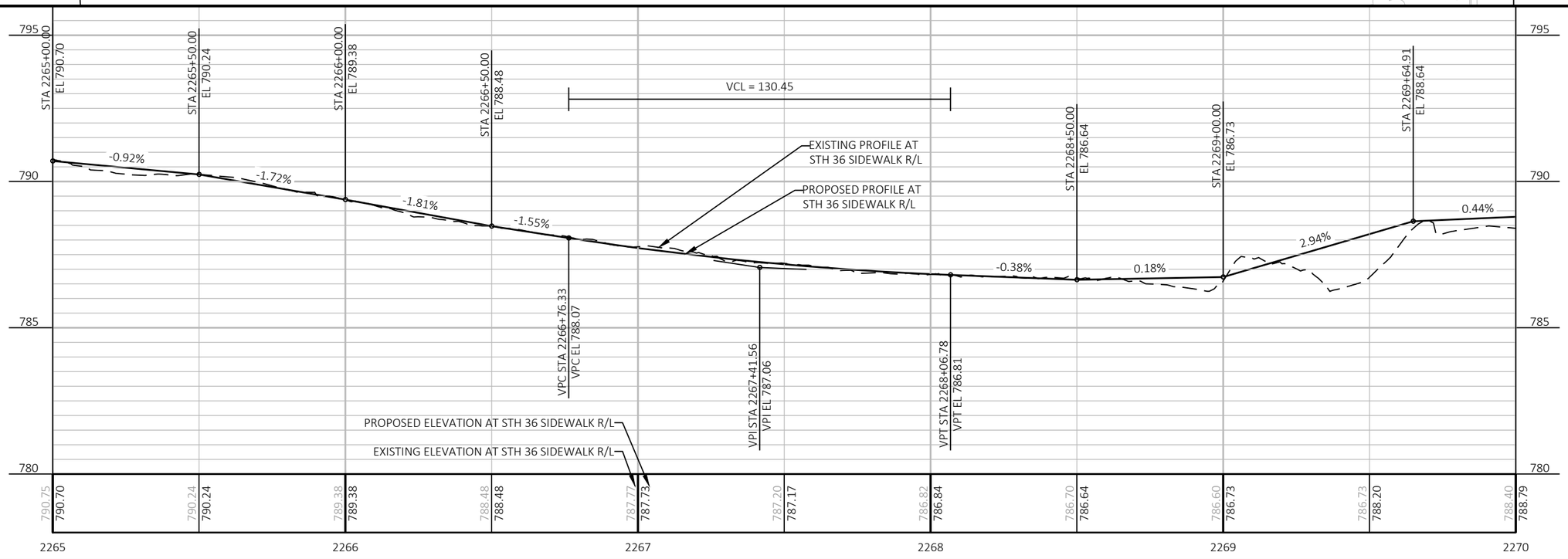


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 251 E

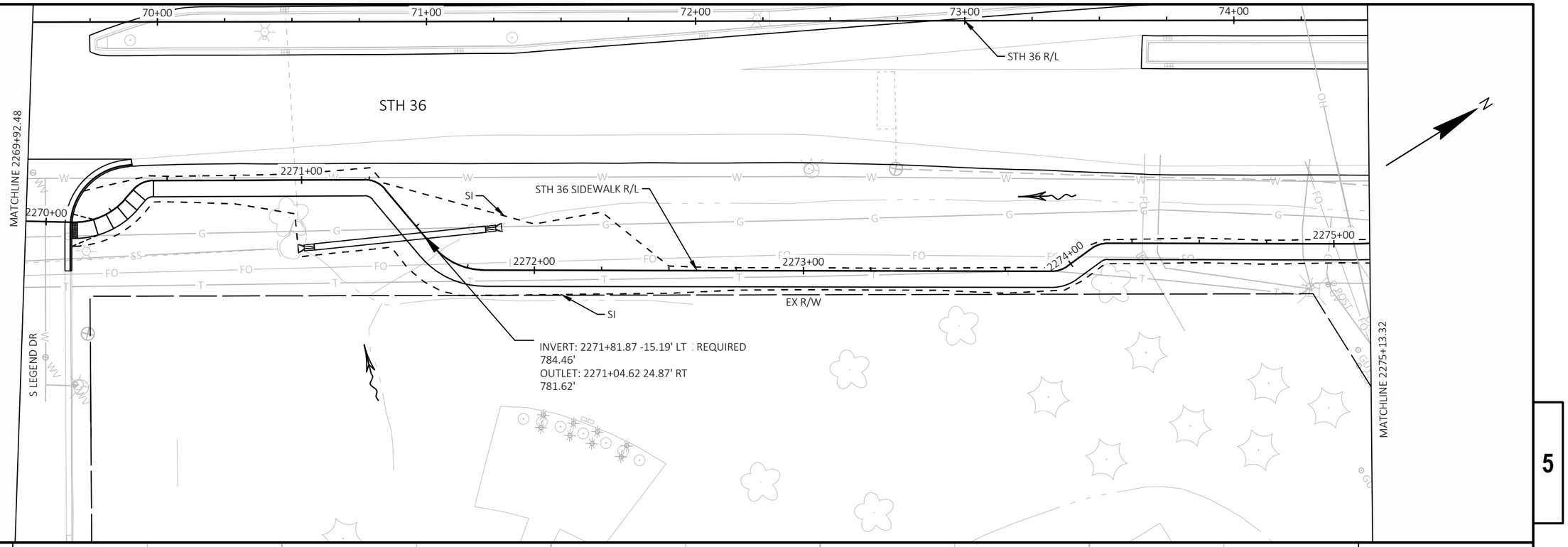
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LAYOUT NAME - 050109

PLOT DATE : 10/27/2023 9:27 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 252	E

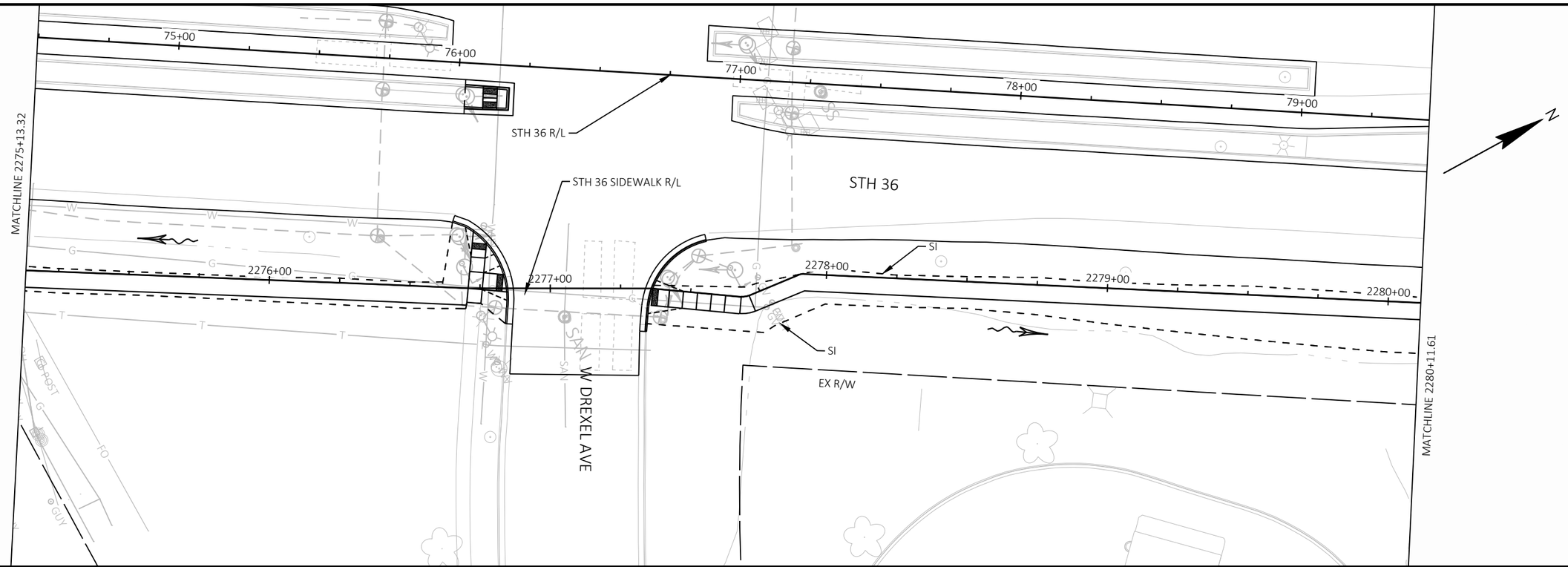


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 253 E

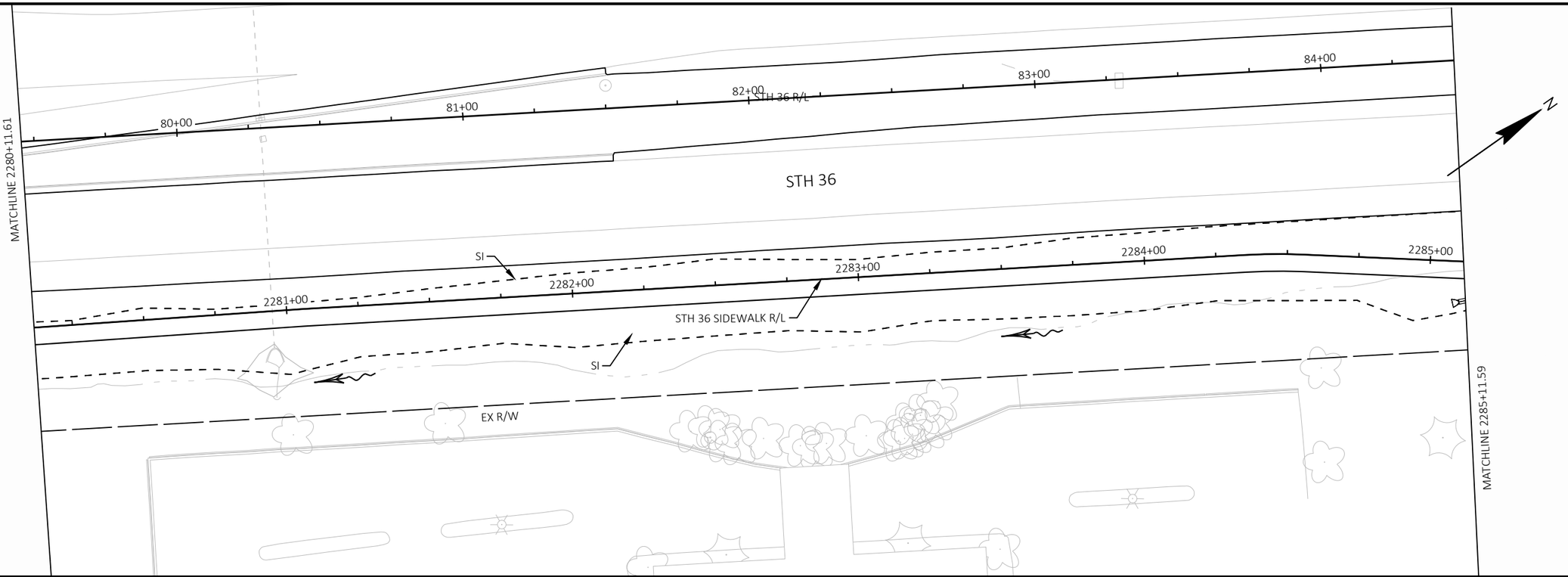
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LAYOUT NAME - 050111

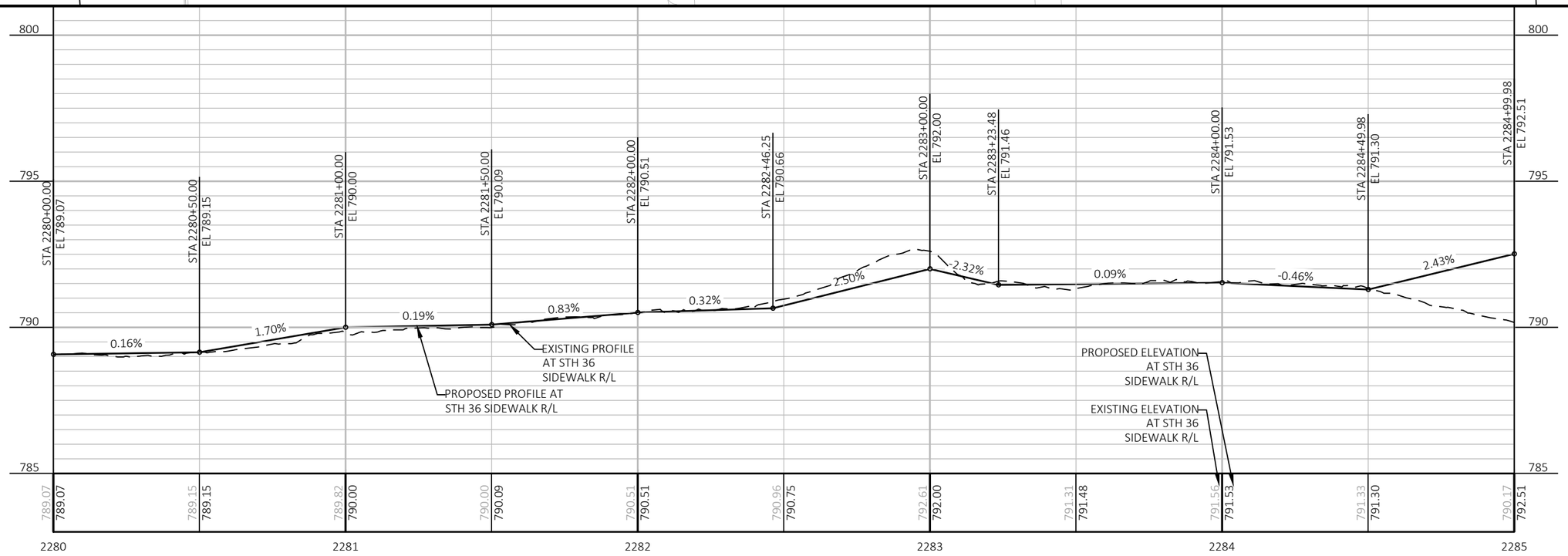
PLOT DATE : 10/27/2023 9:28 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 254 E

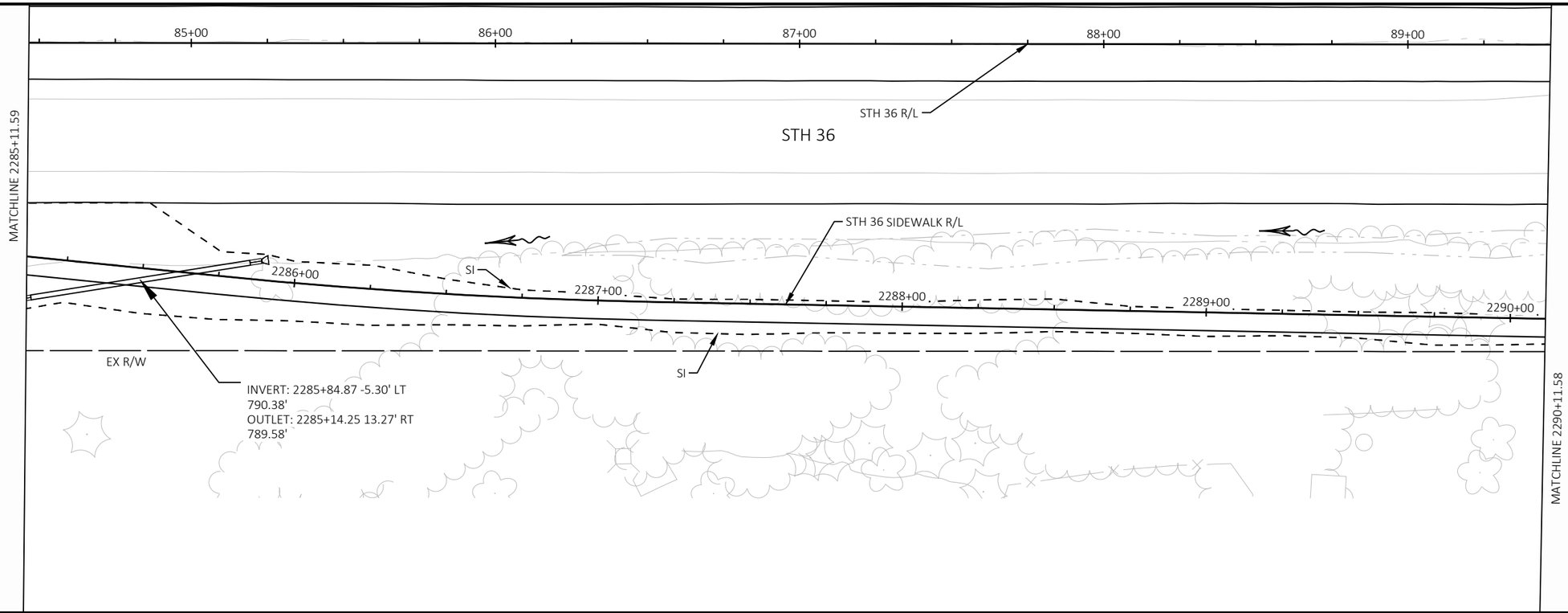


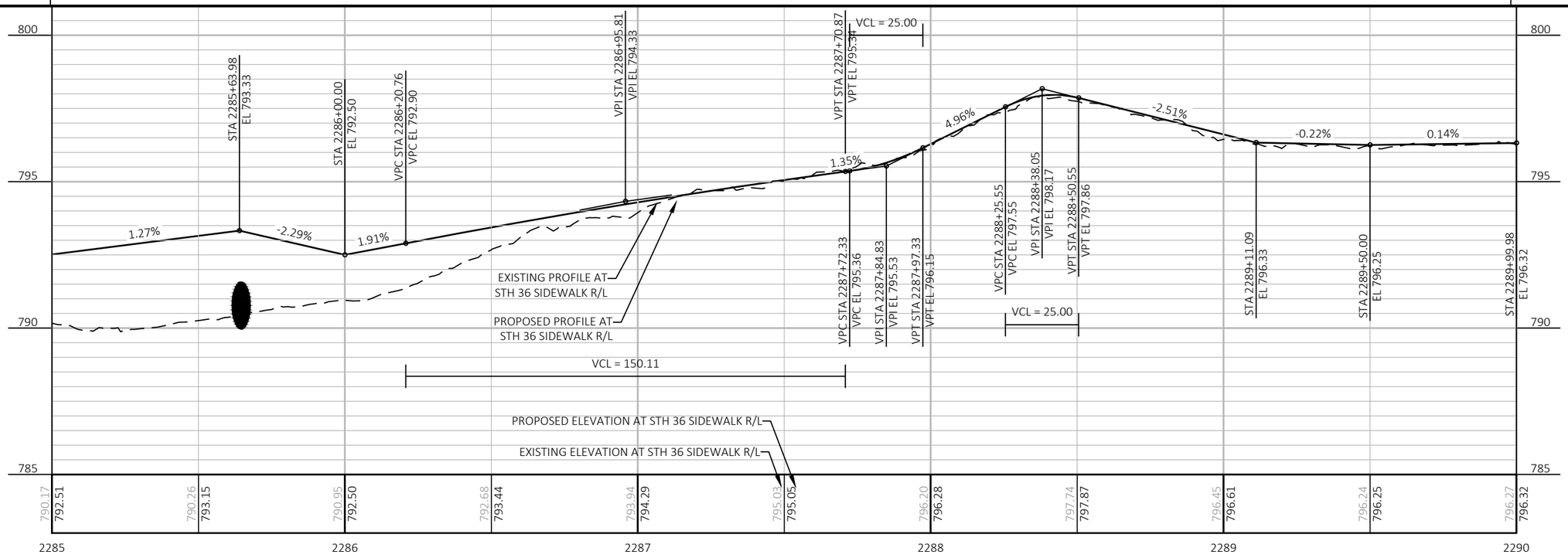


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 255	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050113

PLOT DATE : 10/27/2023 9:29 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

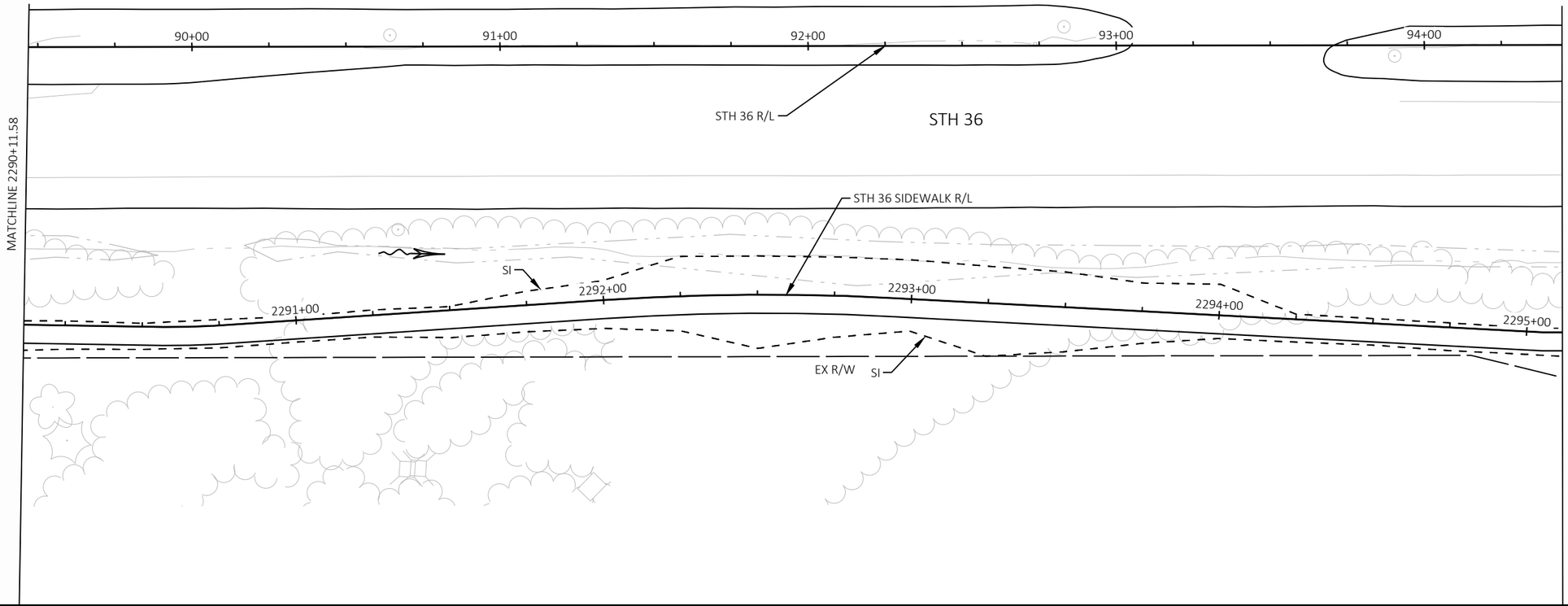


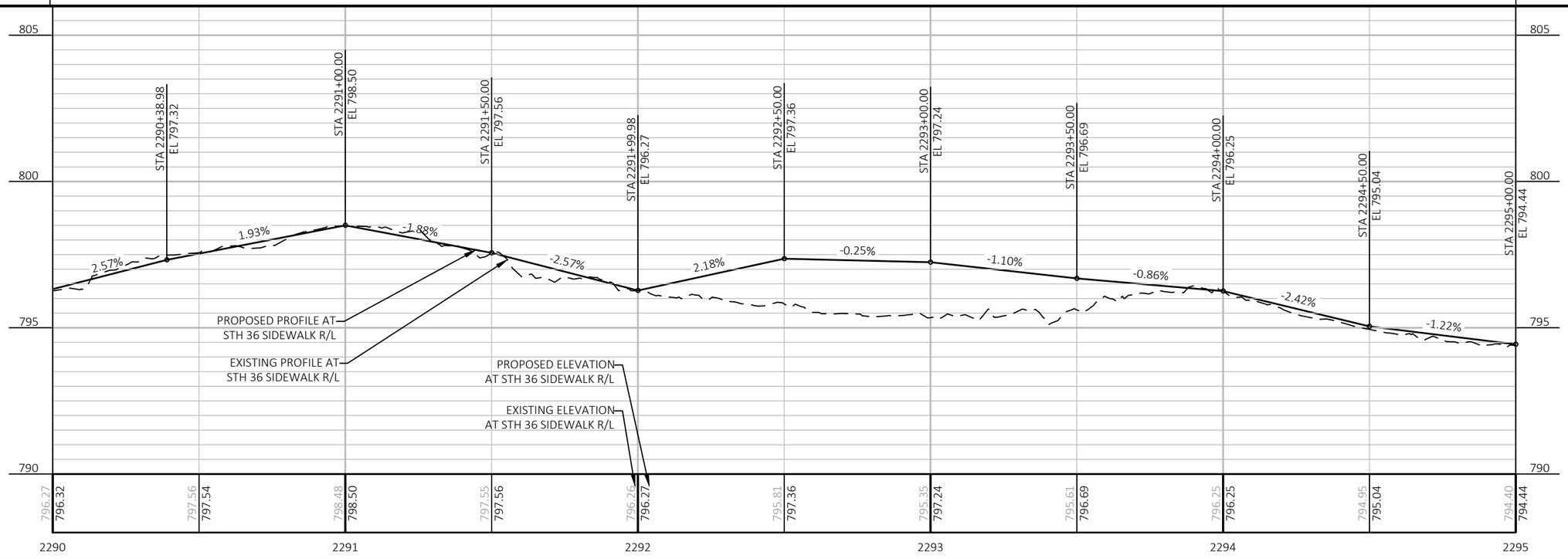


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 256	E

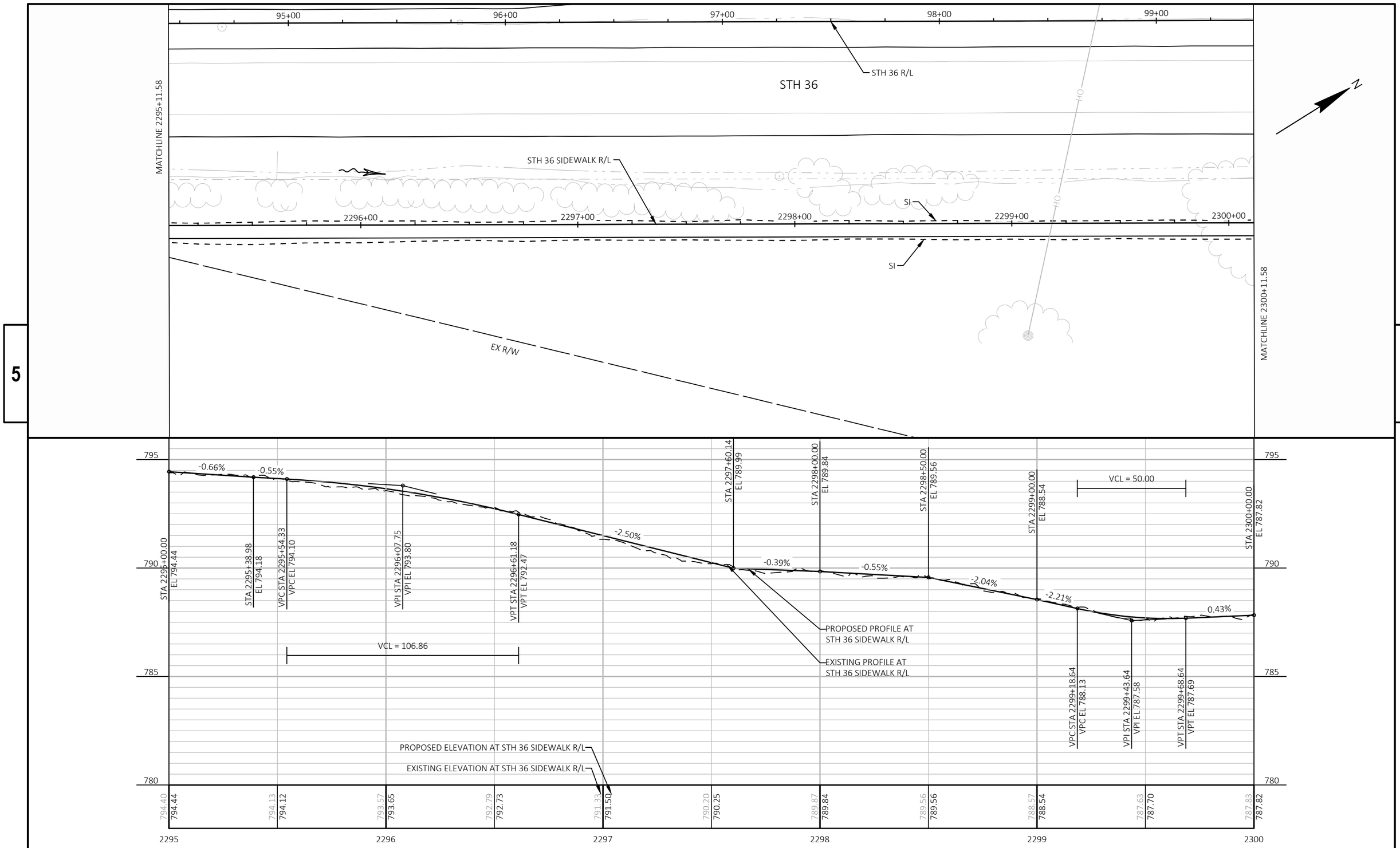
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050114

PLOT DATE : 10/27/2023 9:29 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 257	E



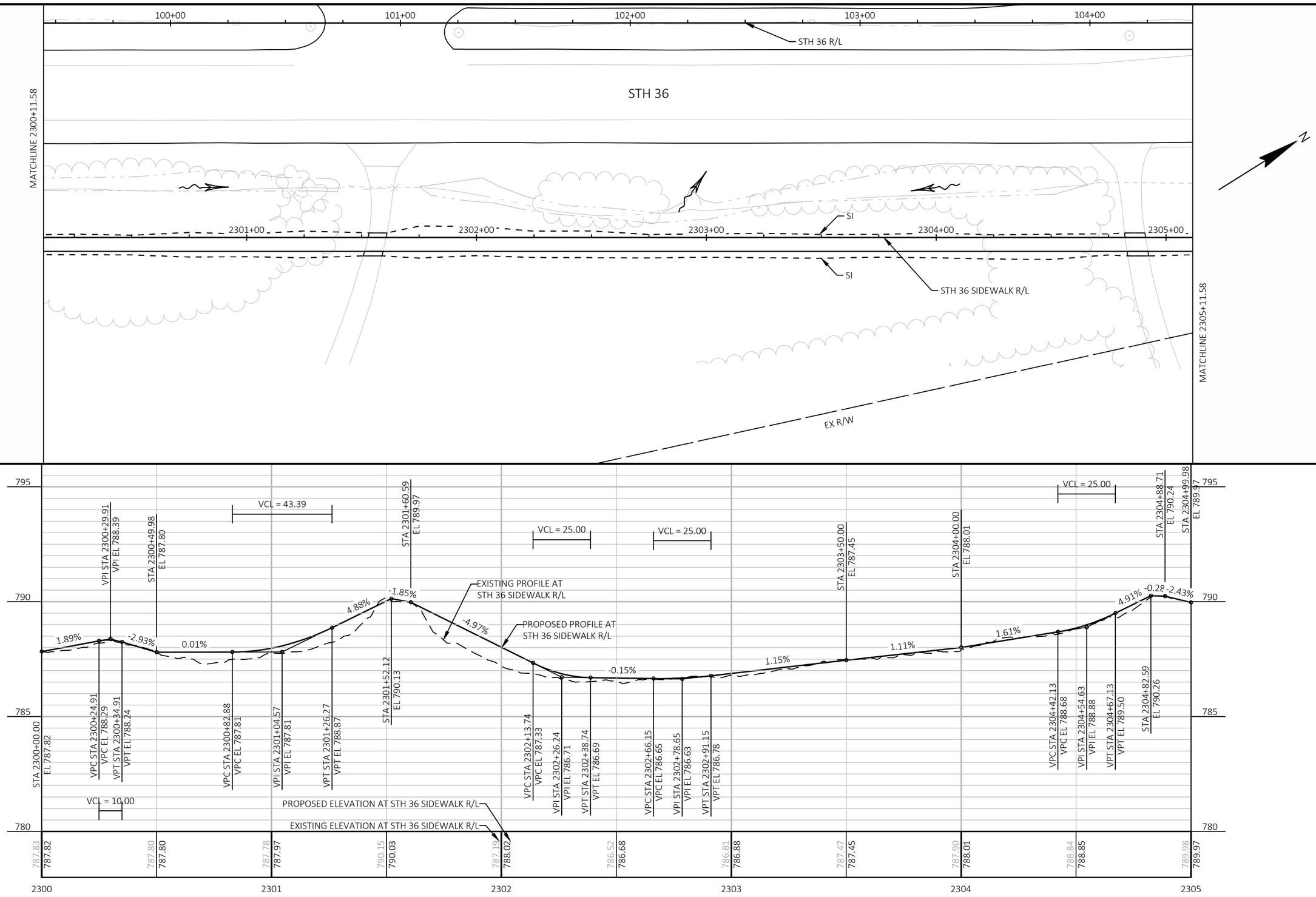
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5

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 258	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050116

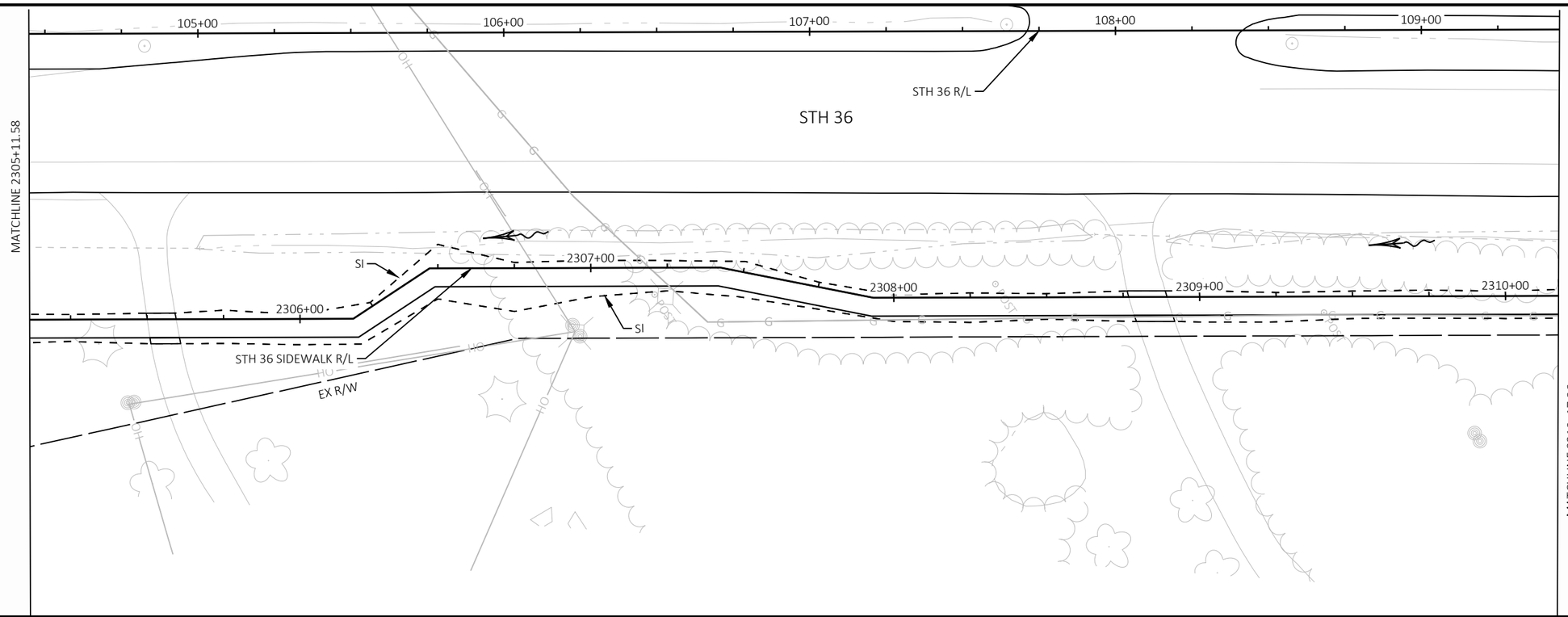
PLOT DATE : 10/27/2023 9:30 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

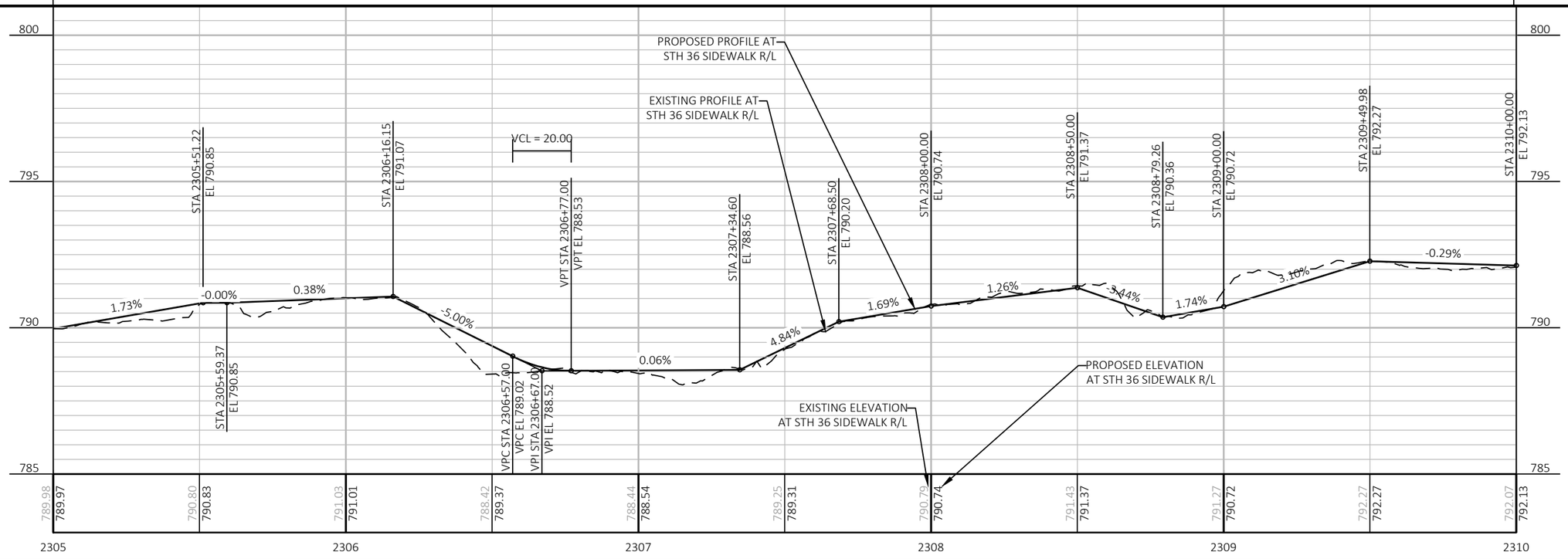


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 259	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050117

PLOT DATE : 10/27/2023 9:30 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

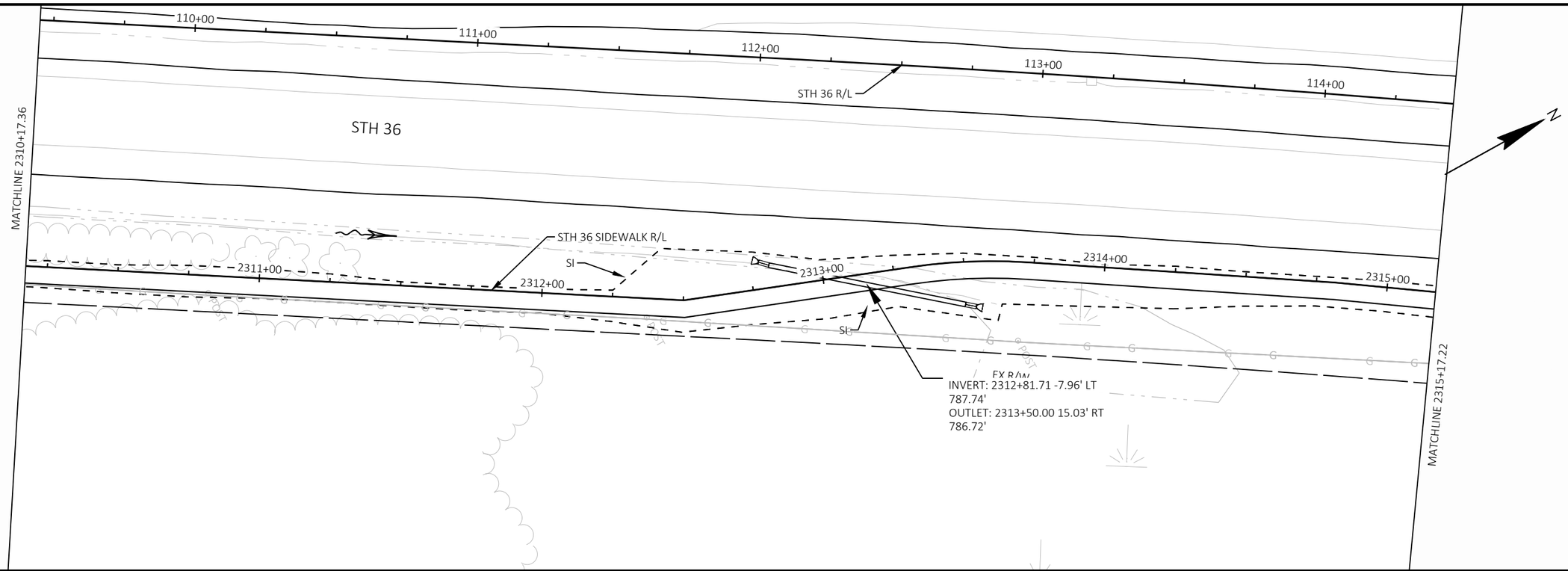


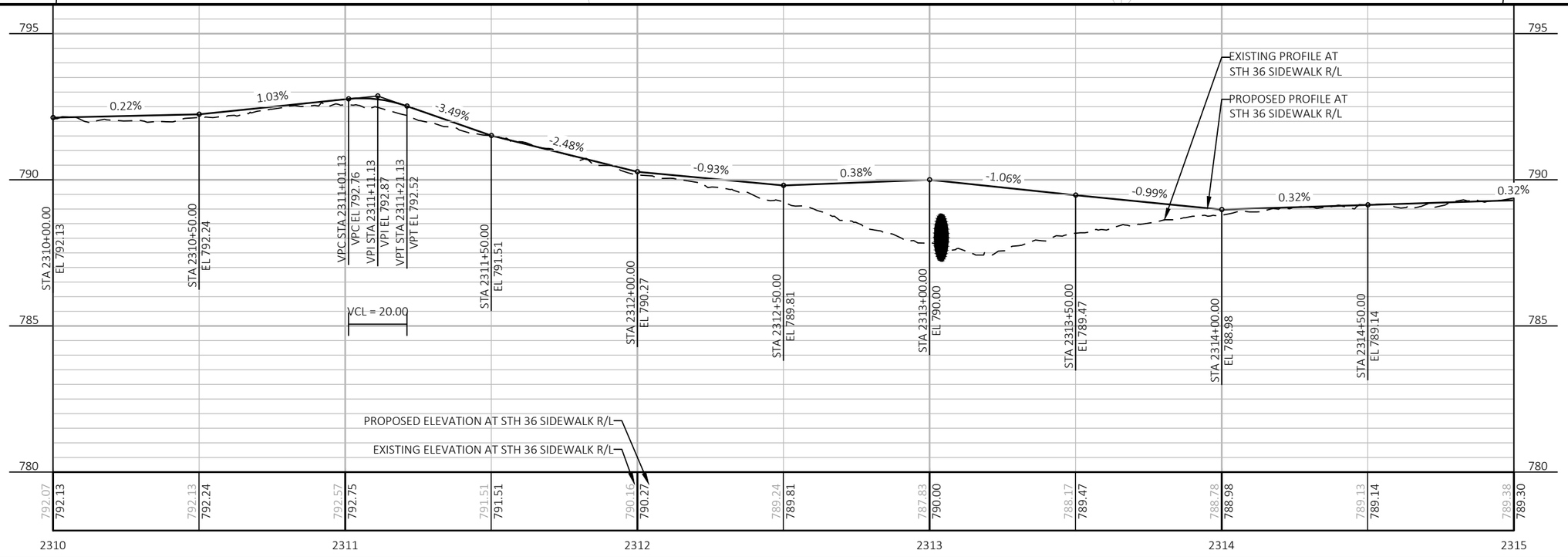


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 260	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050118

PLOT DATE : 10/27/2023 9:30 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT



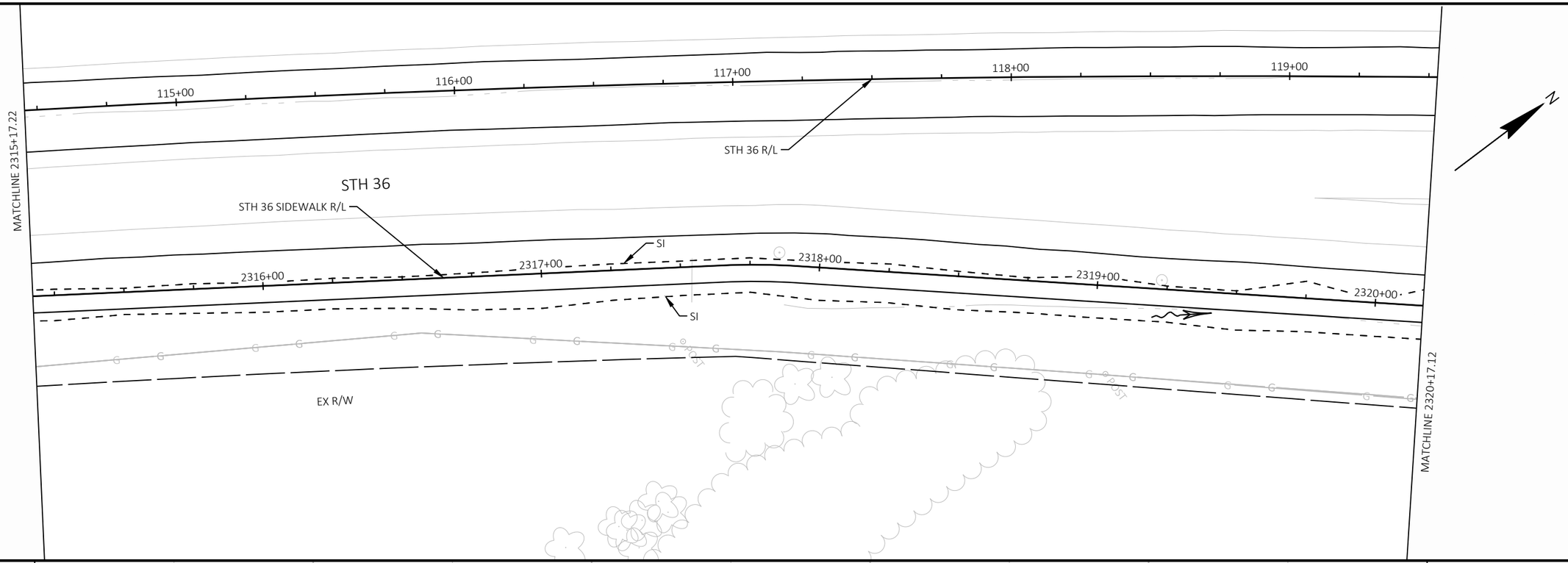


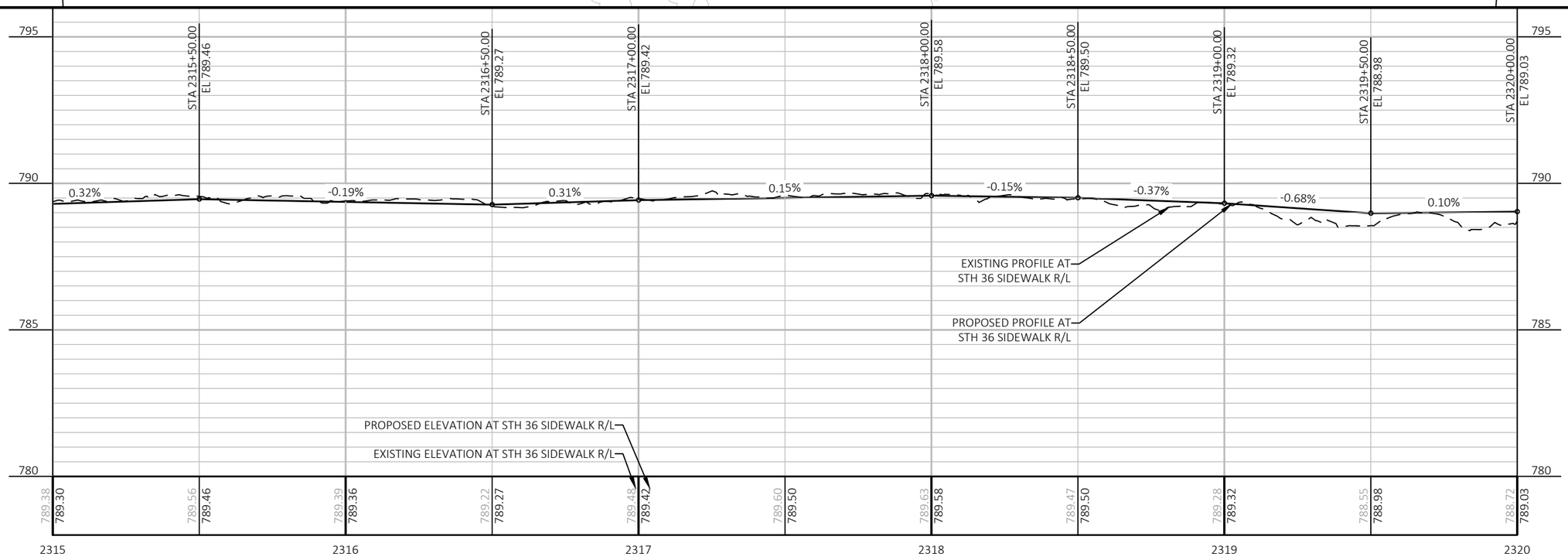
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 261 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050119

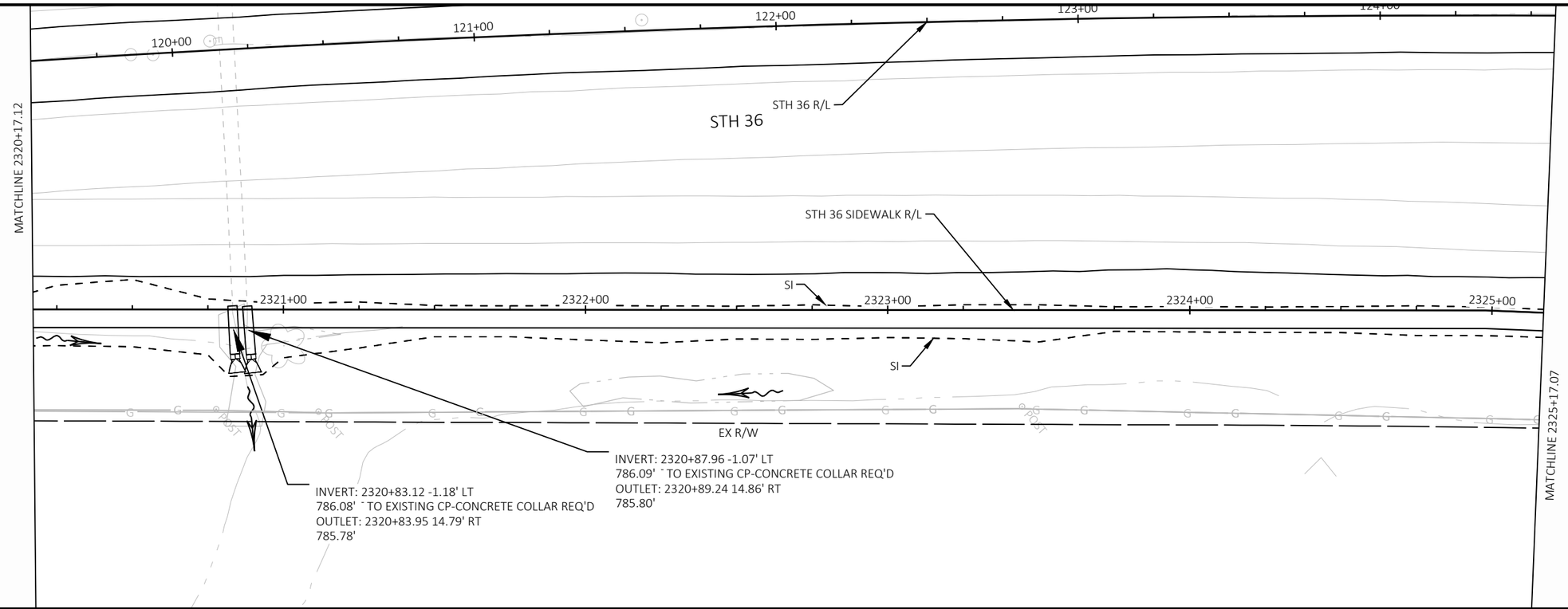
PLOT DATE : 10/27/2023 9:31 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

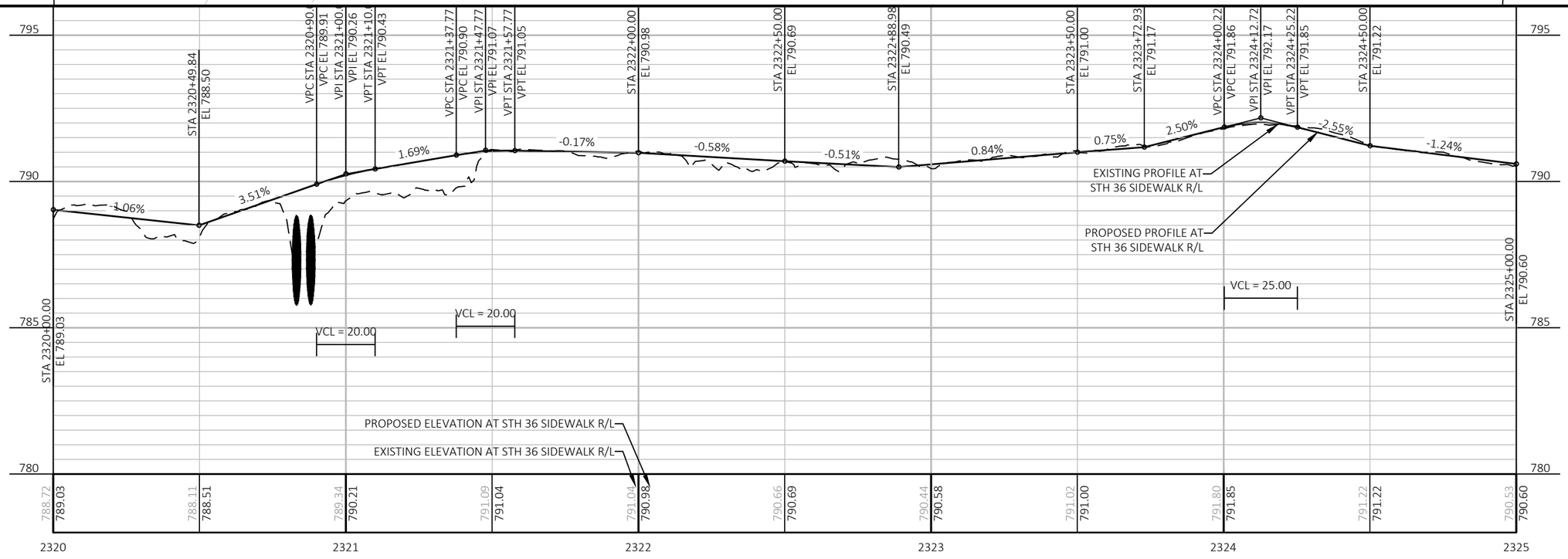
WISDOT/CADDS SHEET 44



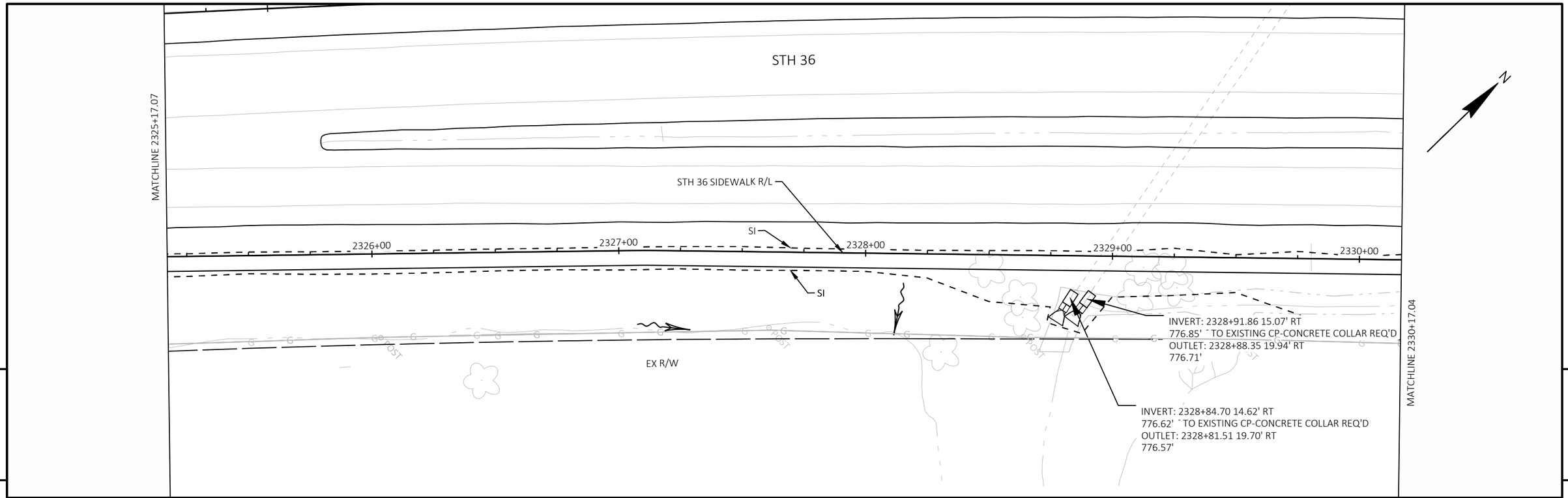


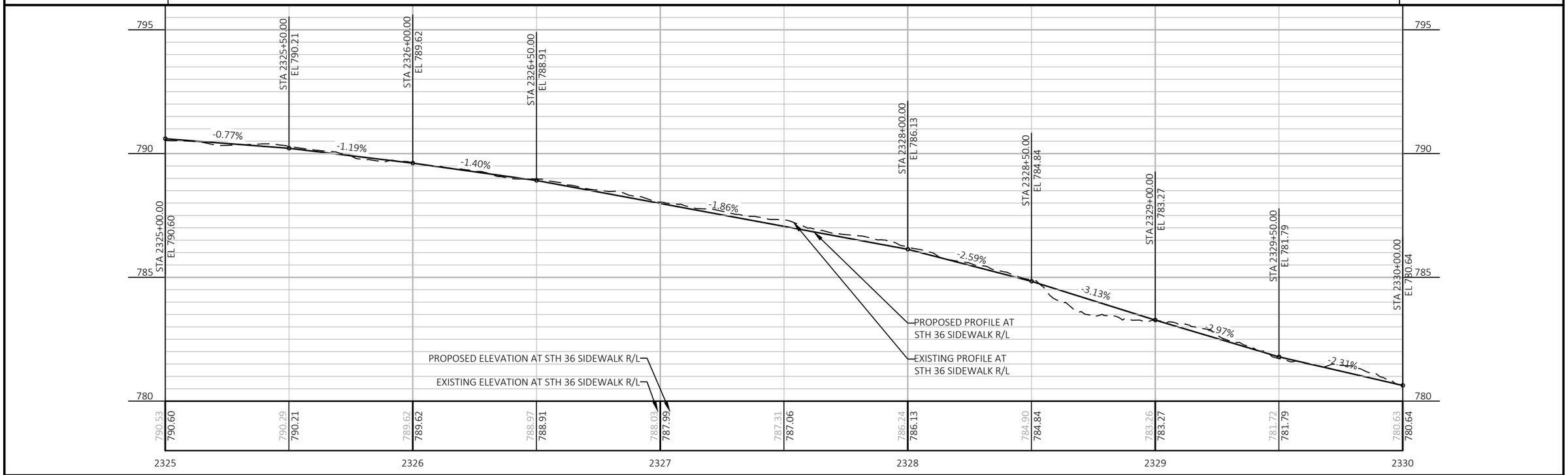
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 262 E



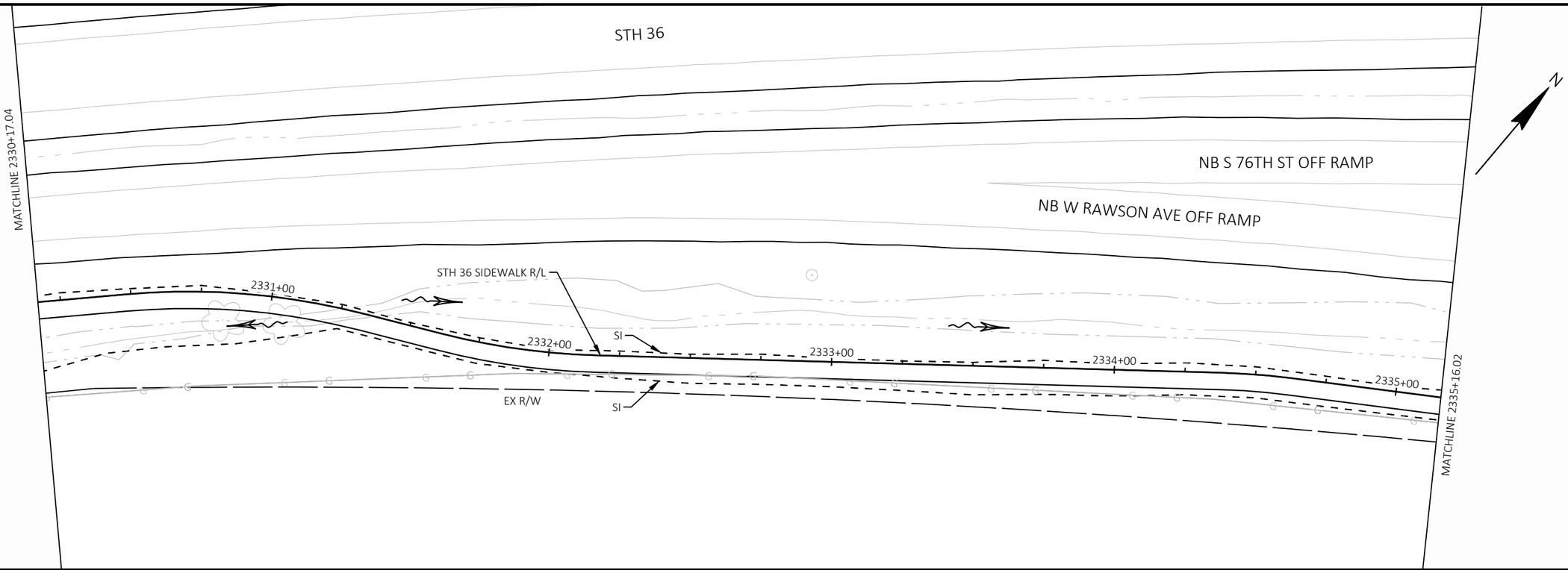


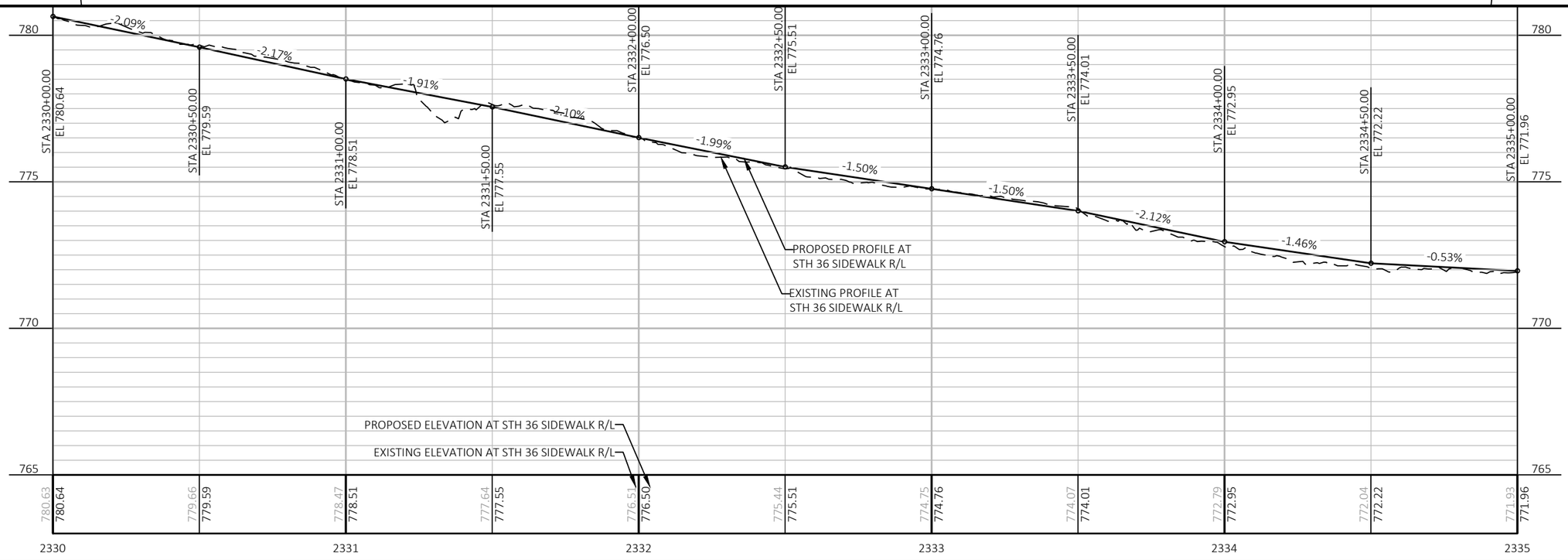
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 263	E





PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 264	E

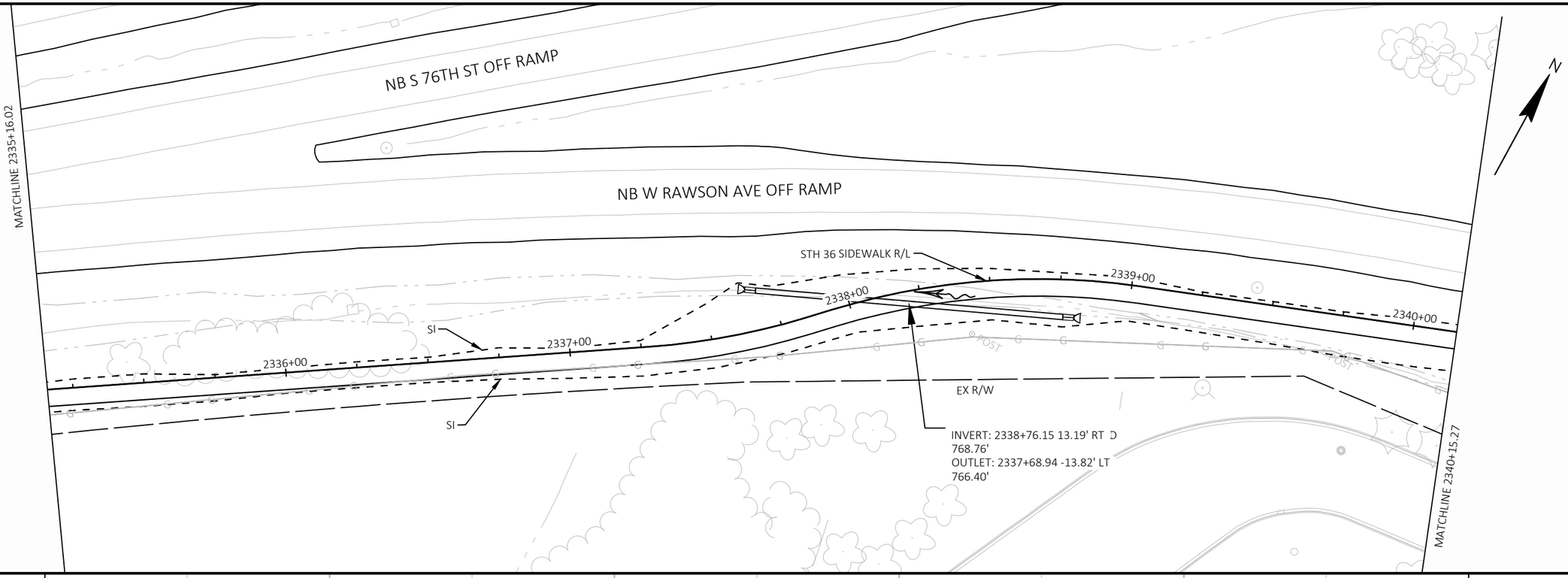


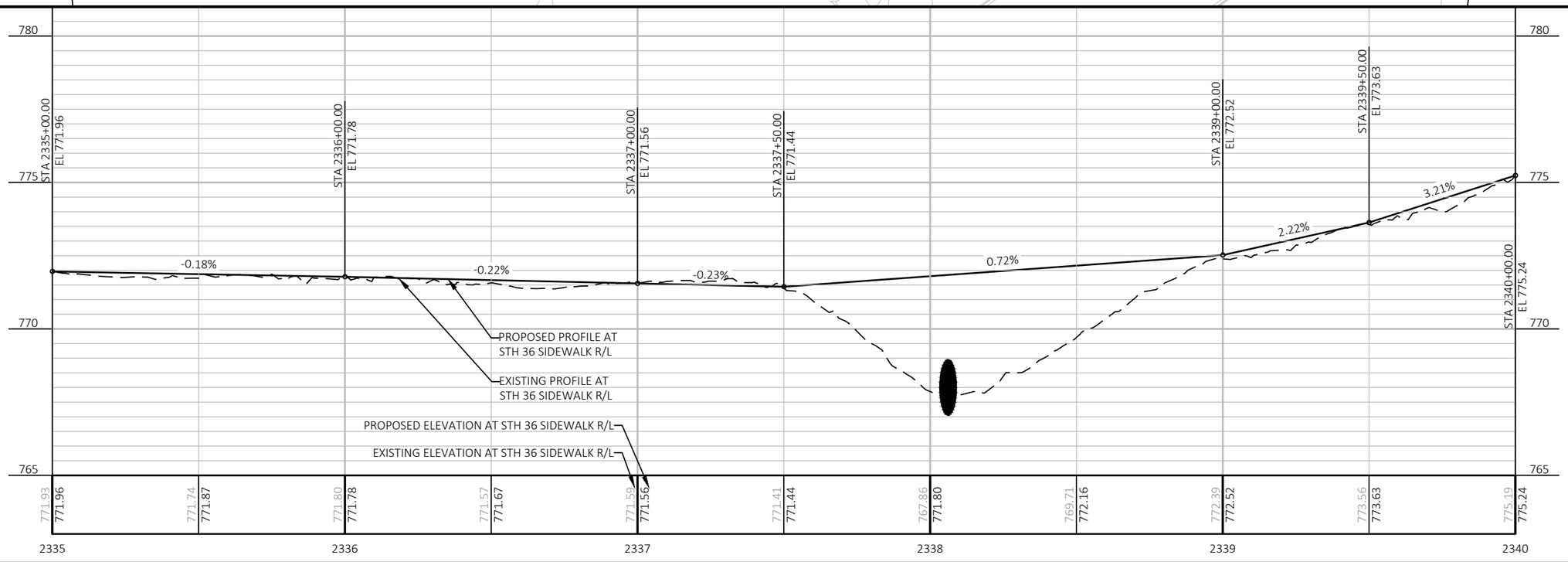


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 265	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050123

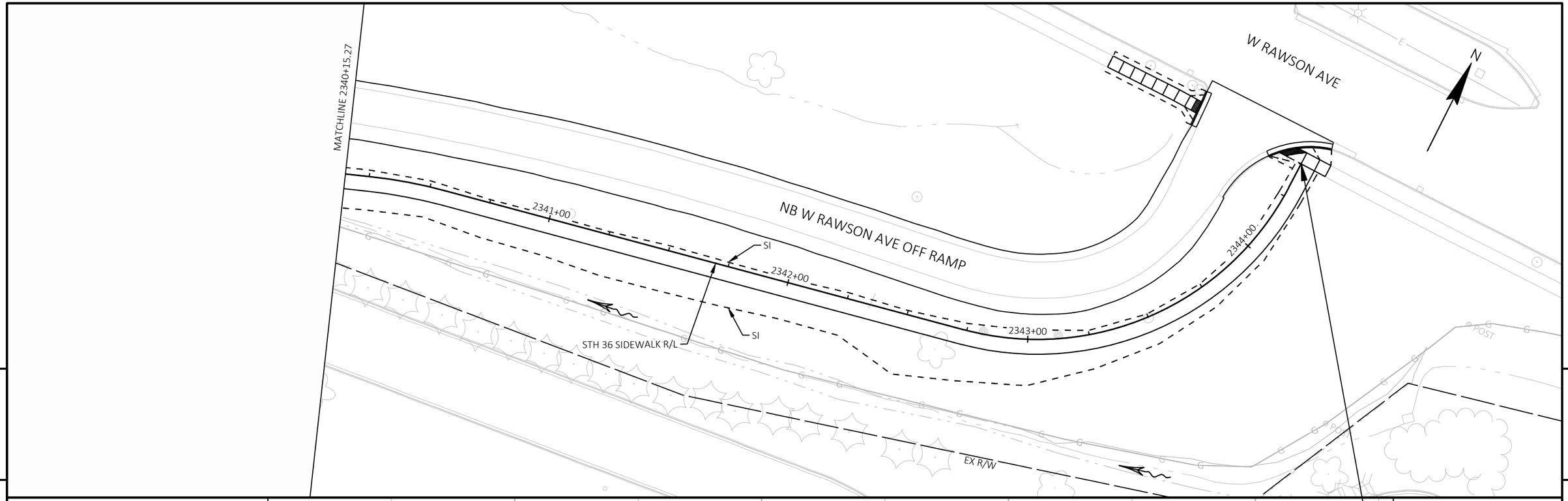
PLOT DATE : 10/27/2023 9:32 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT





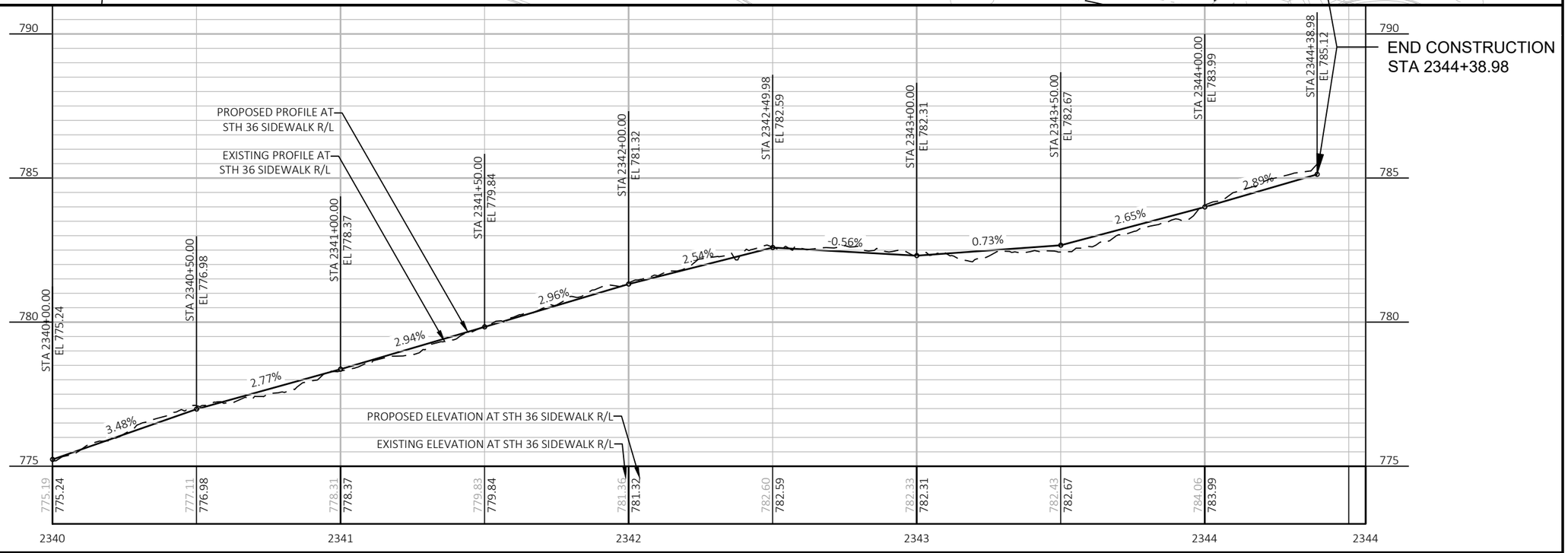
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 266	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050124
PLOT DATE : 10/27/2023 9:32 AM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



5

5



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLAN AND PROFILE: SIDEWALK	SHEET 267	E

5

5

EX R/W

ASPH PE

PCC CE

MATCHLINE 33+50

20

22

24

26

28

30

32

STH 36 R/L

BEGIN PROJECT
STA 27+00.00

STH 36 SIDEWALK R/L

2220

2222

2224

2226

2228

2230

2232

STH 36

STH 100

CITY OF FRANKLIN
SANITARY SEWER

SI

CITY OF FRANKLIN
WATER LINE

WETLAND

AT&T
TELEPHONE LINE

ASPH PE

CITY OF FRANKLIN
WATER LINE

WETLAND

EX R/W

CONCRETE
PE

CAUTION

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 268	E

5

MATCHLINE STA 33+50

MATCHLINE STA 47+25

N

EX R/W

ASPH PE

ASPH PE

BAD PE

STH 36 R/L

34

36

38

40

42

44

46

STH 36 SIDEWALK R/L

STH 36

AT&T
FIBER OPTIC

2234

2236

EXTEND HYDRANT
LEAD

SI

CITY OF FRANKLIN
WATER LINE

CITY OF FRANKLIN
SANITARY SEWER

TLE

EX R/W

WE ENERGIES
GAS LINE

SI

EX R/W

AT&T
FIBER OPTIC

AT&T
TELEPHONE

BRENWOOD
PARK DR

W FOREST HILL AVE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 269	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050202

PLOT DATE : 10/27/2023 9:34 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

N

EX R/W

ASPH PE

STH 36 R/L

WE ENERGIES
OVERHEAD

48 50 52 54 56 58 60

STH 36

MATCHLINE 47+25

MATCHLINE 61+00

STH 36 SIDEWALK R/L

CITY OF FRANKLIN
WATER LINE

PCC CE

2248 2250 2254 2256 2258 2260

ASPH PE

SI

EX R/W

TLE

CAUTION

WE ENERGIES
GAS LINE

WETLAND

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 270	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050203

PLOT DATE : 10/27/2023 9:34 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

MATCHLINE 61+00

MATCHLINE 74+75

N

EX R/W

PCC CE

STH 36 R/L

62 64 66 68 70 72 74

STH 36 SIDEWALK R/L

STH 36

2262 2264 2266 2268 2270 2272 2274

SI

ASPH PE

EX R/W

EX R/W

WE ENERGIES ELECTRIC

CAUTION

CAUTION

CITY OF FRANKLIN WATER LINE

AT&T FIBER OPTIC

WE ENERGIES GAS

WE ENERGIES ELECTRIC

AT&T FIBER OPTIC

S LEGEND DR

AT&T TELEPHONE

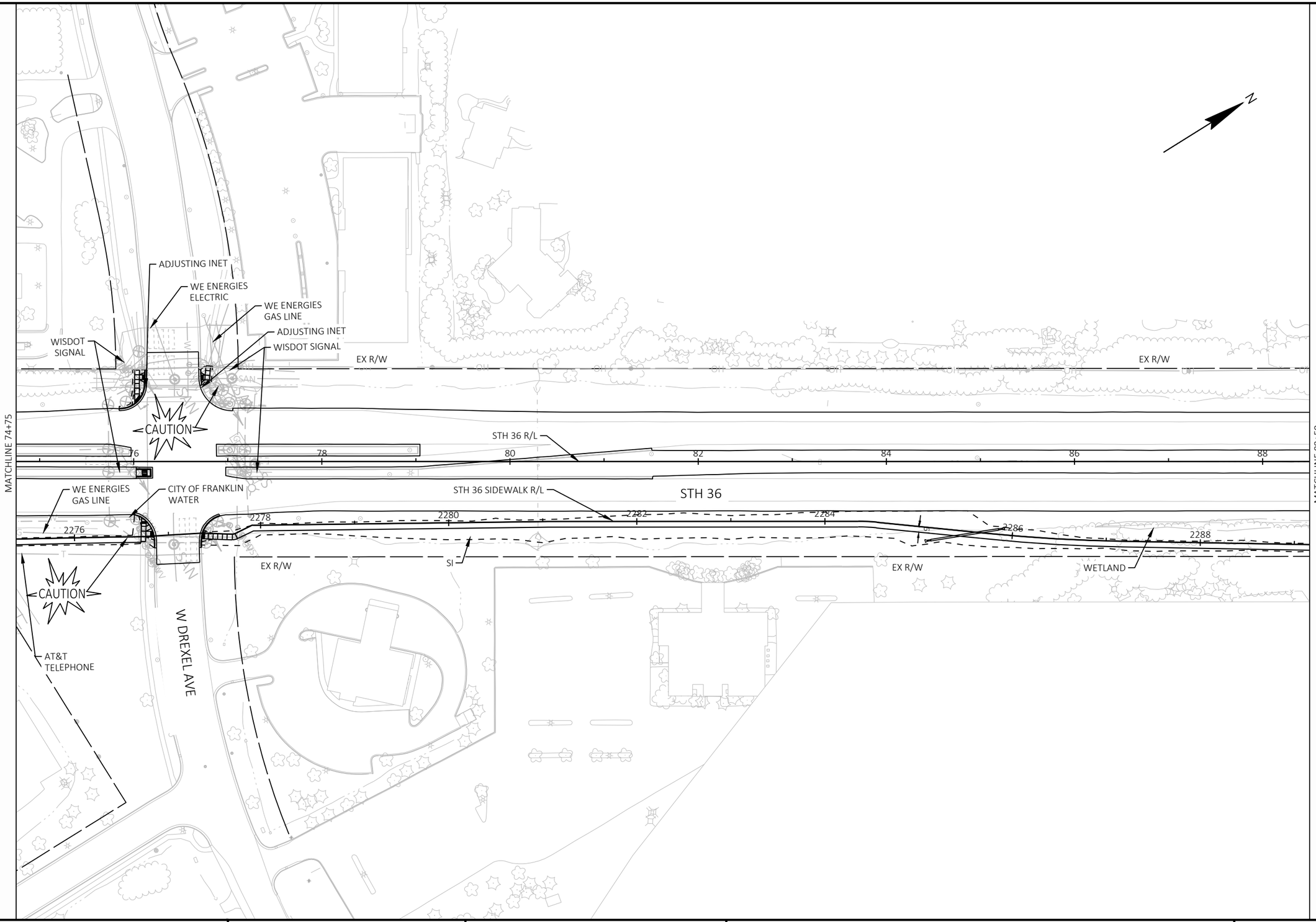
AT&T FIBER OPTIC

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 271	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050204

PLOT DATE : 10/27/2023 9:34 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



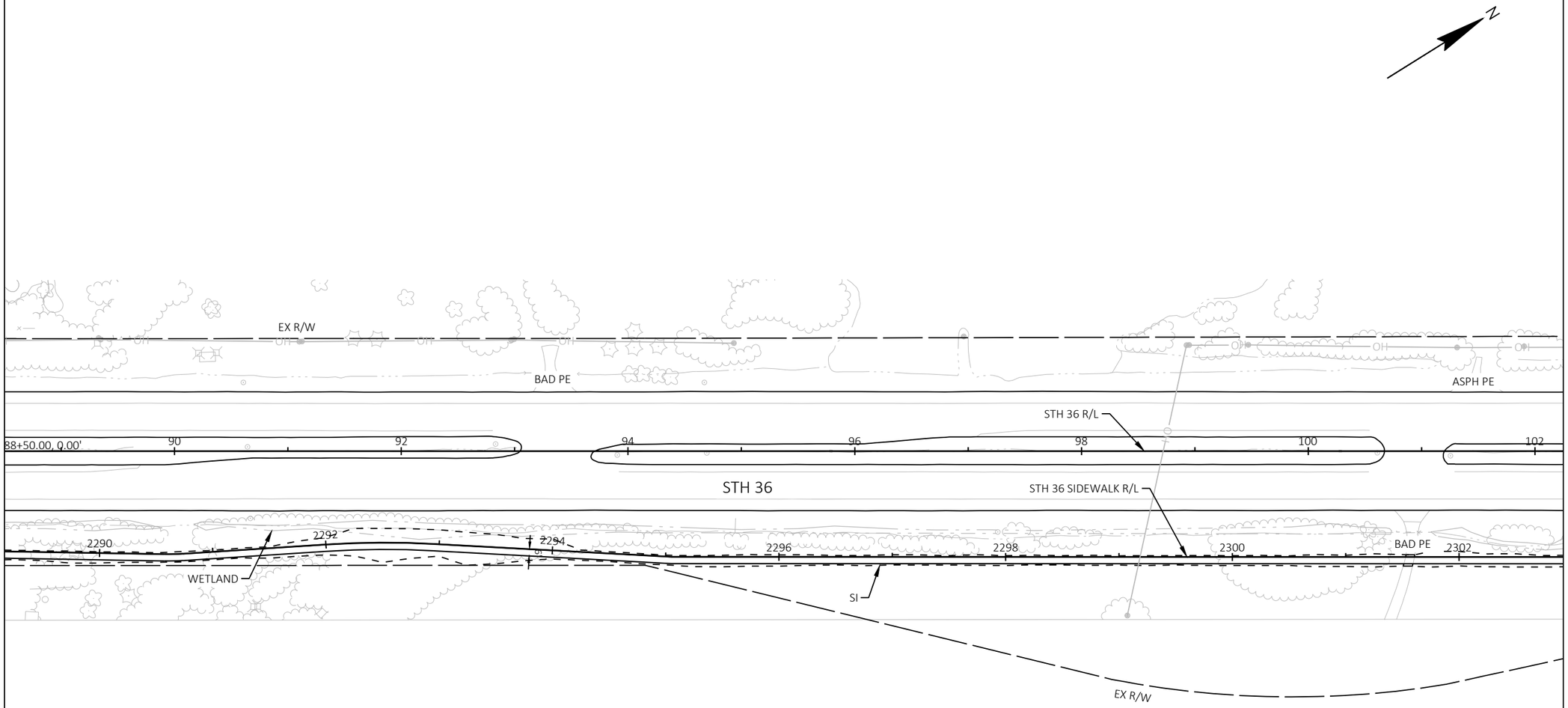
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 272	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050205

PLOT DATE : 10/27/2023 9:34 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 273	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050206
PLOT DATE : 10/27/2023 9:35 AM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

5

5

MATCHLINE 102+25

MATCHLINE 116+00

W WARWICK WAY

OLD LOOMIS RD

USDI
GAS

CAUTION

WISDOT
FIBER OPTIC

STH 36 R/L

STH 36 SIDEWALK R/L

STH 36

ASPH PE

ASPH PE

BAD PE

SI

EX R/W

WETLAND

SPECTRUM
OVERHEAD

WEST SHORE PIPELINE
GAS

WETLAND

WETLAND

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 274	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050207

PLOT DATE : 10/27/2023 9:35 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

N

OLD LOOMIS RD

WISDOT
FIBER OPTIC

USDI
GAS

CAUTION

CAUTION

SB W RAWSON AVE ON RAMP

STH 36 R/L

STH 36

MATCHLINE 116+00

MATCHLINE 129+75

118

120

122

124

126

128

2318

2320

2322

2324

2326

2328

2330

STH 36 SIDEWALK R/L

NB W RAWSON AVE OFF RAMP

SI

EX R/W

WETLAND

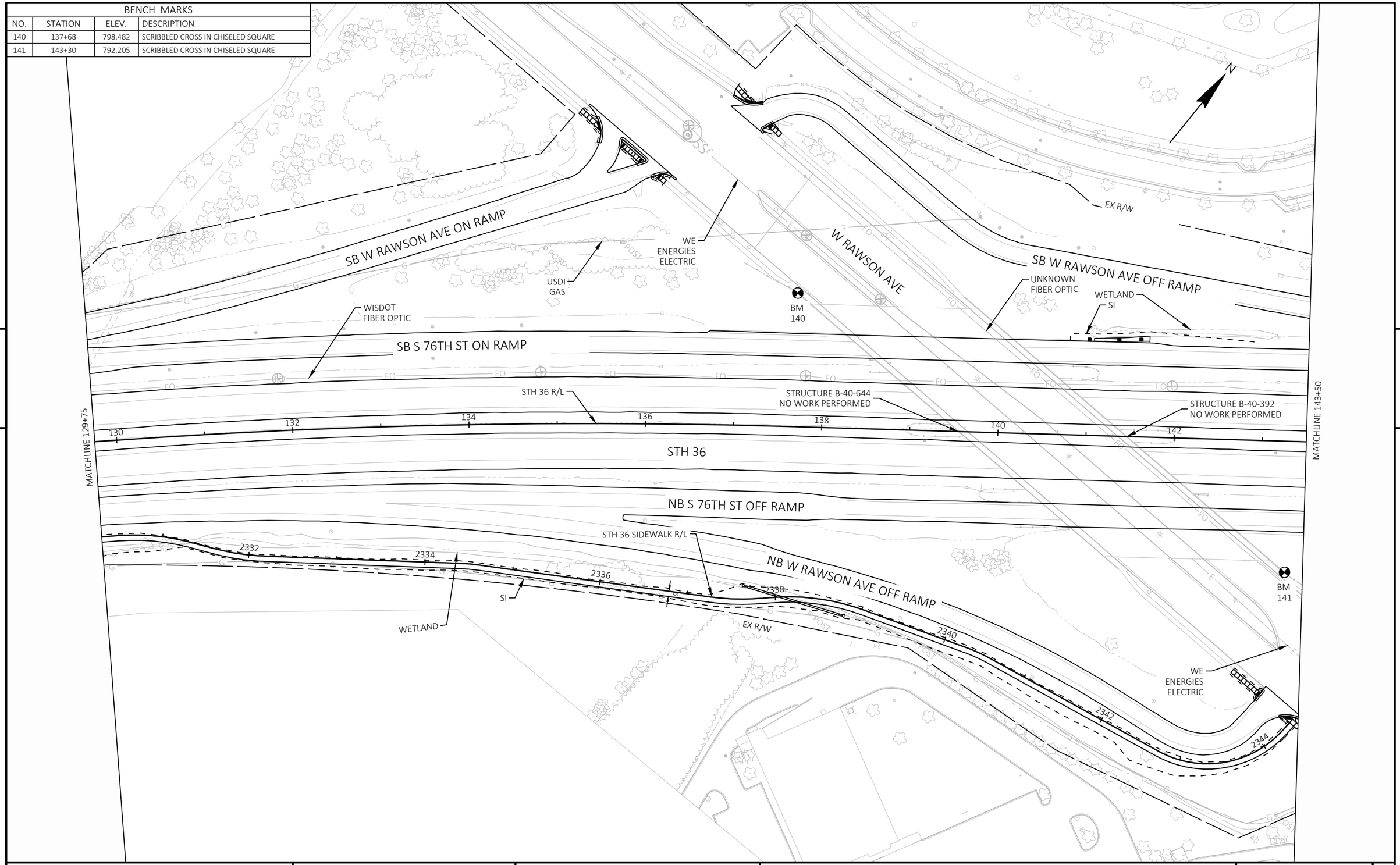
WETLAND

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 275	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050208

PLOT DATE : 10/27/2023 9:35 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
140	137+68	798.482	SCRIBBLED CROSS IN CHISELED SQUARE
141	143+30	792.205	SCRIBBLED CROSS IN CHISELED SQUARE



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 276	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050209

PLOT DATE : 10/27/2023 9:35 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
142	156+26	787.811	WISDOT TALUM CAP
143	155+94	788.826	WISDOT ALUM CAP

5

5

MATCHLINE 143+50

MATCHLINE 157+25

SB W RAWSON AVE OFF RAMP

SB S 76TH ST ON RAMP

BM
143

STH 36 R/L

144 146 148 150 152 154 156

STH 36

MILWAUKEE COUNTY DPW
FIBER OPTIC

S 76TH ST

STRUCTURE B-40-573
NO WORK PERFORMED

STRUCTURE B-40-574
NO WORK PERFORMED

BM
142

NB S 76TH ST OFF RAMP

NB S 76TH ST ON RAMP

WE ENERGIES
GAS

EX R/W

WE ENERGIES
GAS

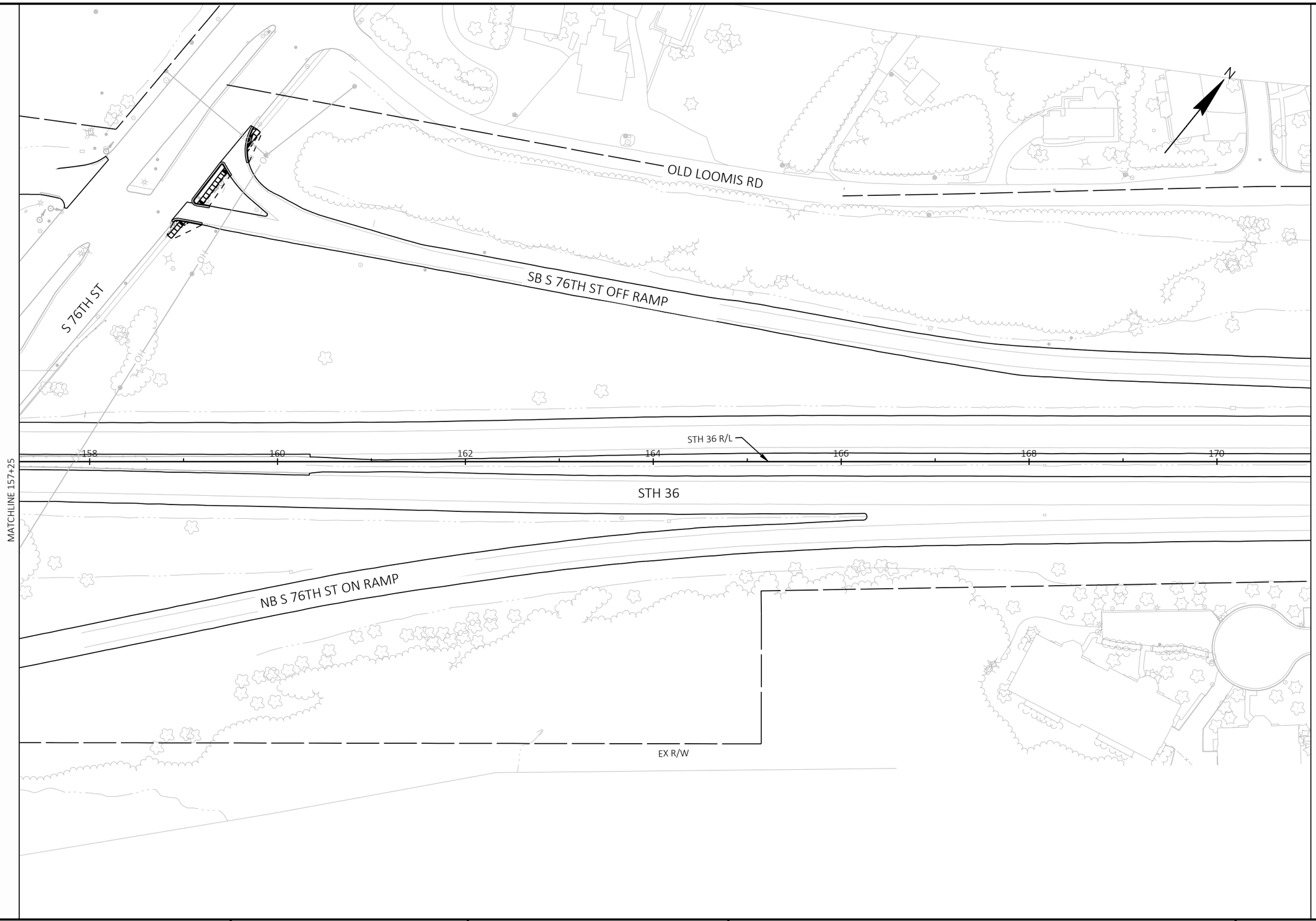
W RAWSON AVE

EX R/W

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 277	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050210

PLOT DATE : 10/27/2023 9:35 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



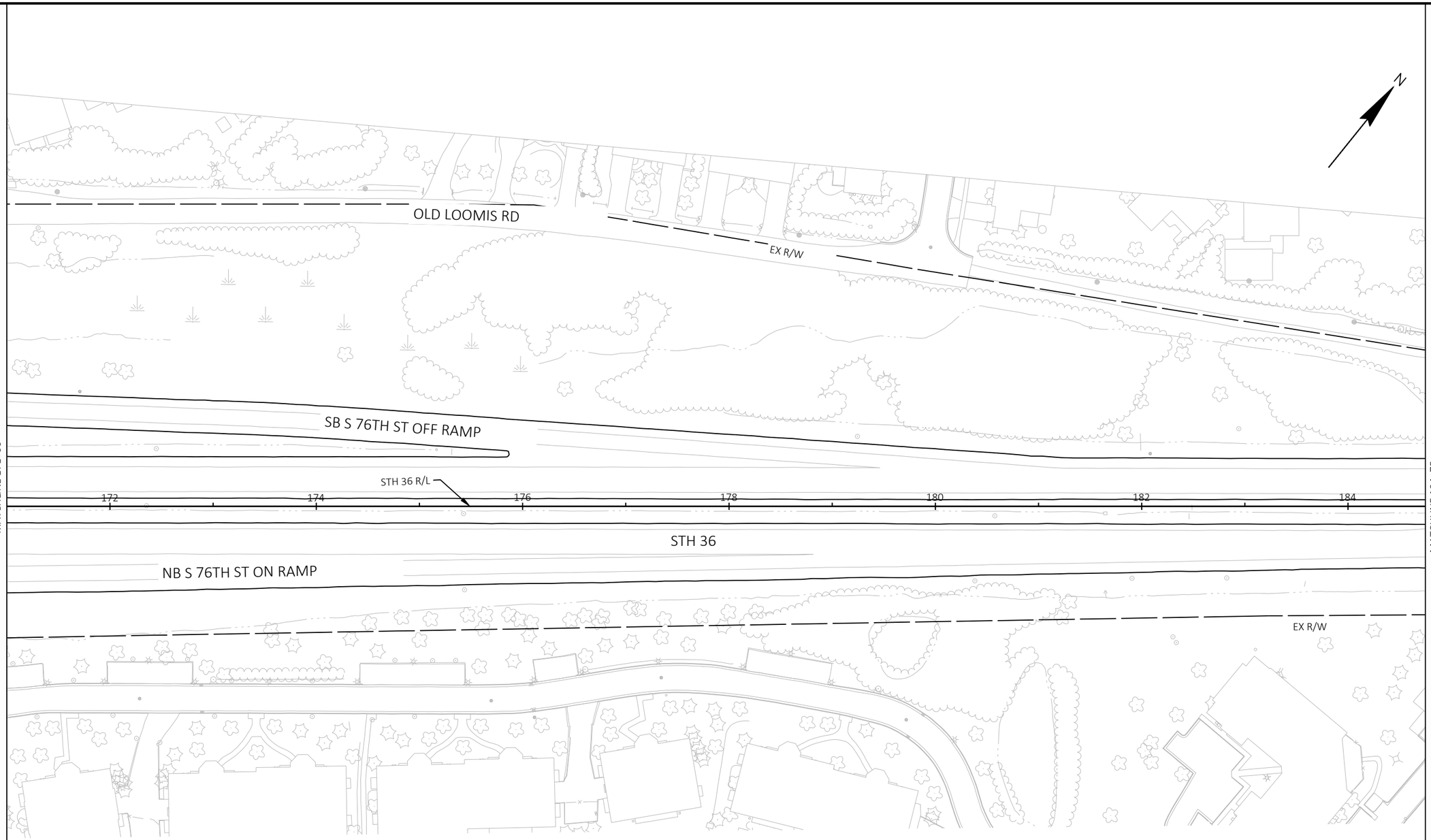
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 278	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050211
PLOT DATE : 10/27/2023 9:35 AM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

5

MATCHLINE 171+00



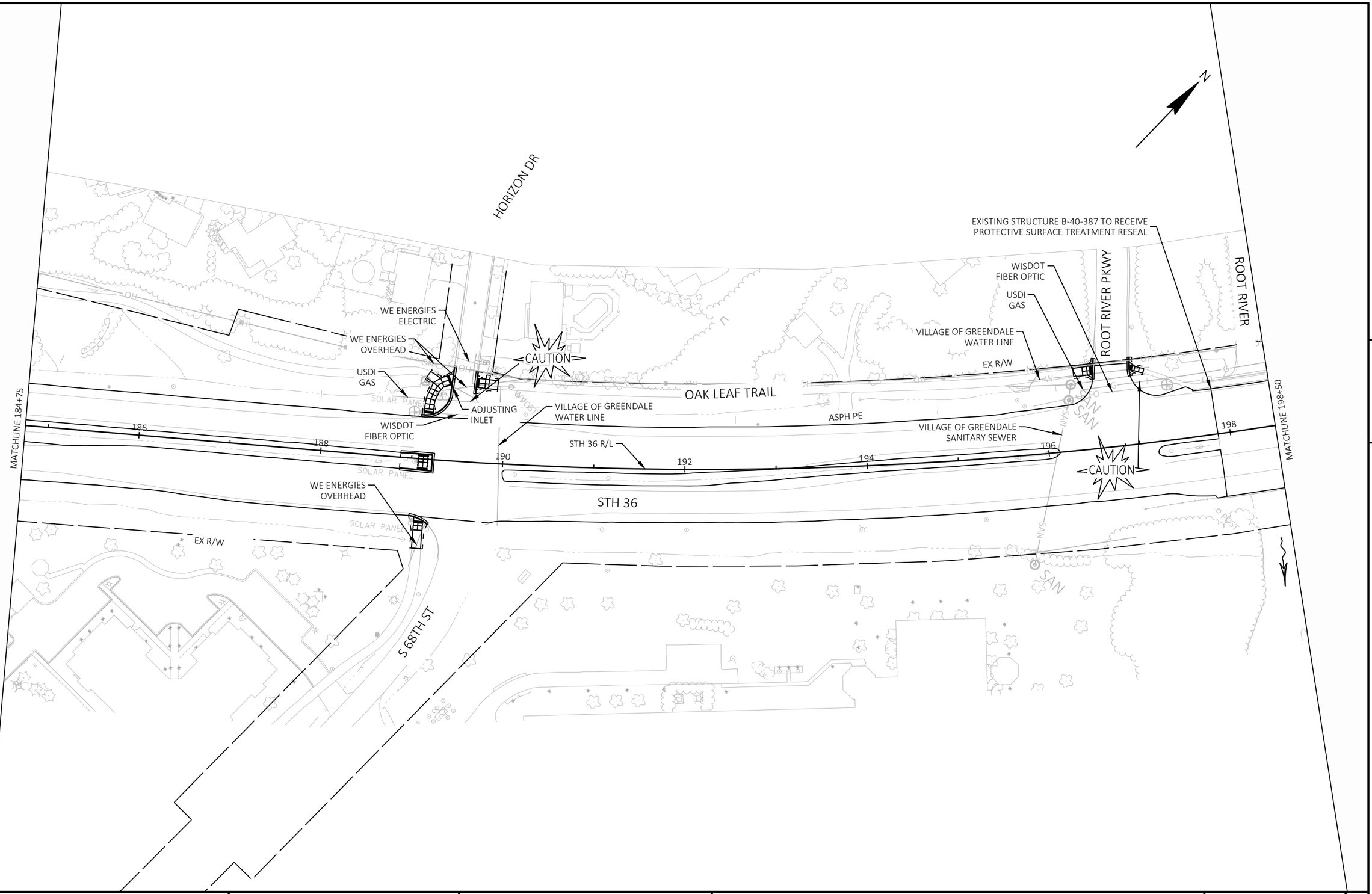
MATCHLINE 184+75

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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 279	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050212

PLOT DATE : 10/27/2023 9:36 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



5

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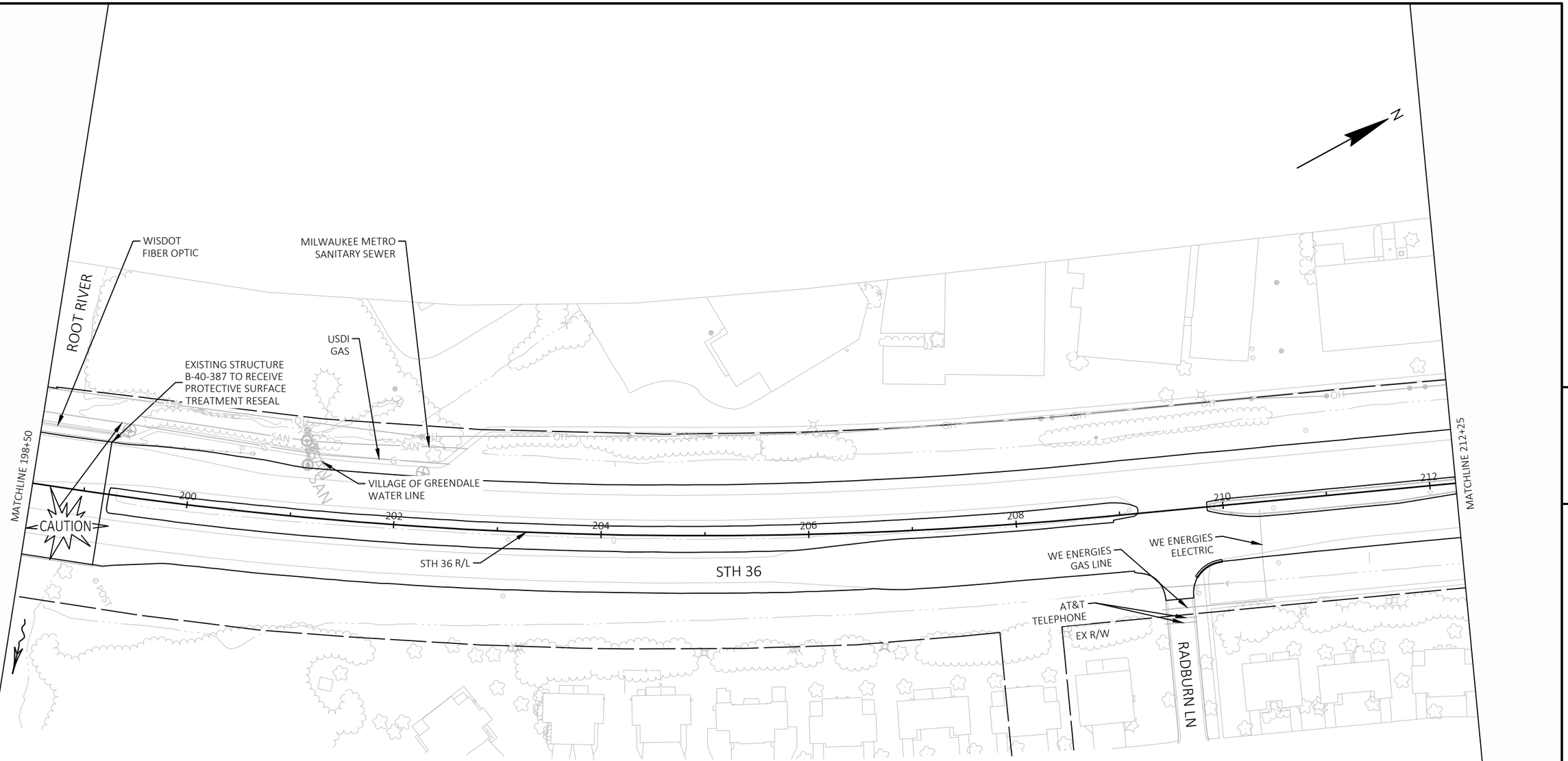
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 280	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050213

PLOT DATE : 10/27/2023 9:36 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 281	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050214

PLOT DATE : 10/27/2023 9:36 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

5

5

MATCHLINE 212+25

MATCHLINE 226+00

N

CAUTION

INDUSTRIAL LOOP

TLE

VILLAGE OF GREENDALE
SANITARY SEWER

EX R/W

WISDOT
FIBER OPTIC

USDI
GAS

STH 36 R/L

214 216 218 220 222 224

STH 36

CAUTION

EX R/W

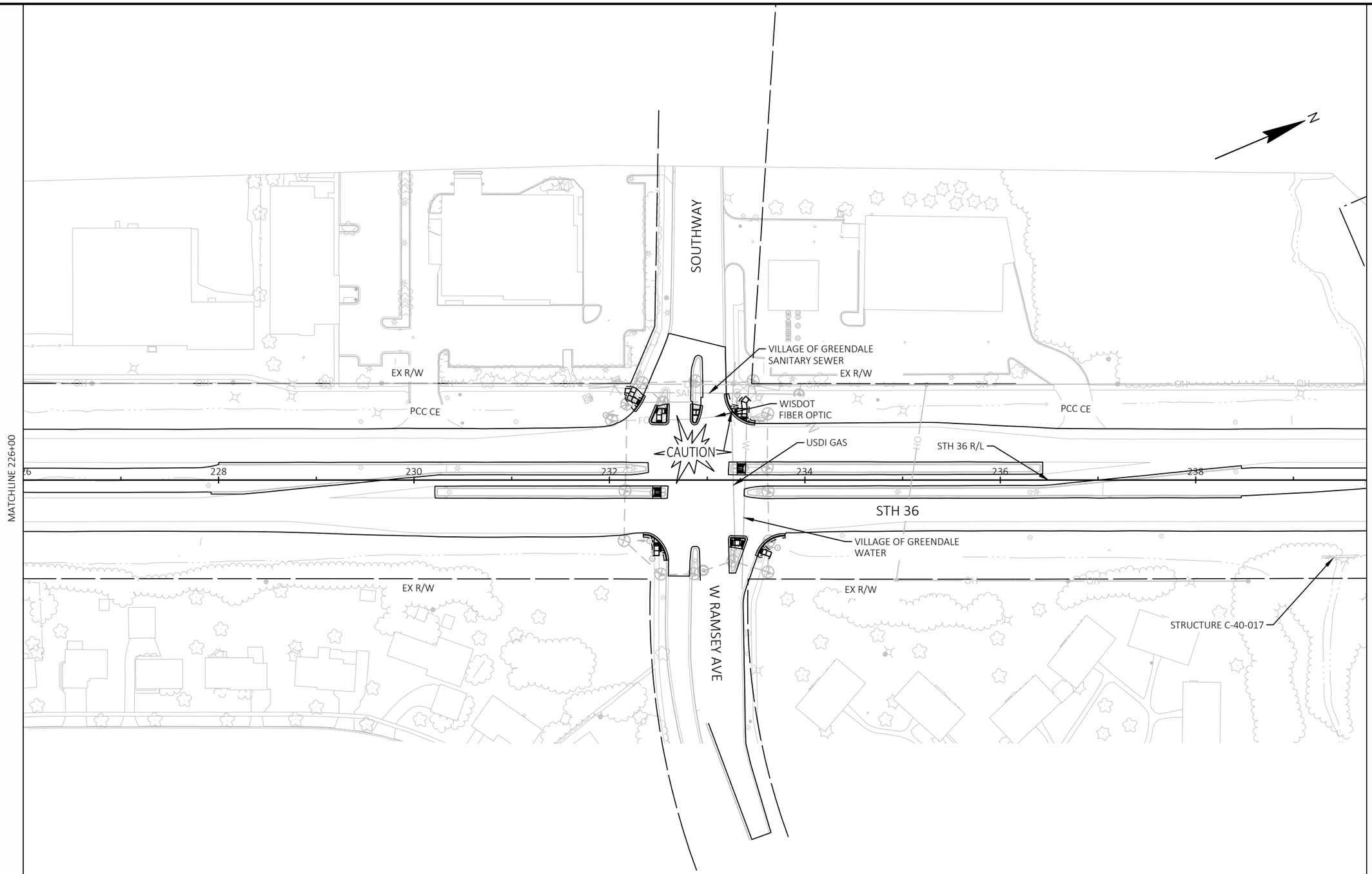
EX R/W

W COLLEGE AVE

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 282	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050215

PLOT DATE : 10/27/2023 9:36 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 283 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050216

PLOT DATE : 10/27/2023 9:36 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

5

MATCHLINE 239+75

MATCHLINE 253+50

N

AT&T OVERHEAD

AT&T TELEPHONE

EX R/W

WETLAND

SI

WISDOT FIBER OPTIC

ASPH PE

STH 36 R/L

240

242

244

246

248

250

252

STH 36

PED OVERHEAD

STRUCTURE B-40-512

ASPH PE

SI

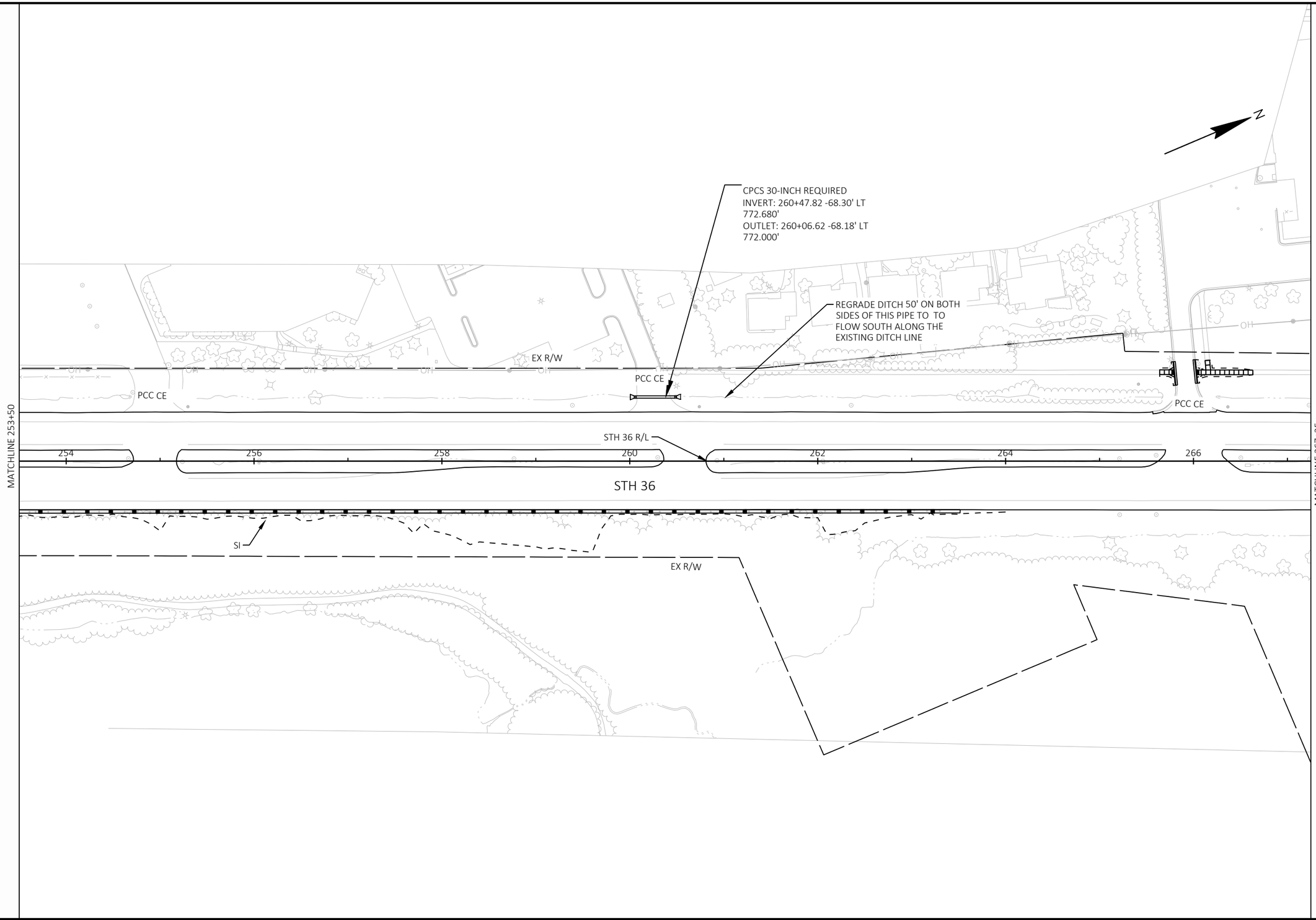
ASPH PE

EX R/W

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 284	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050217

PLOT DATE : 10/27/2023 9:37 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



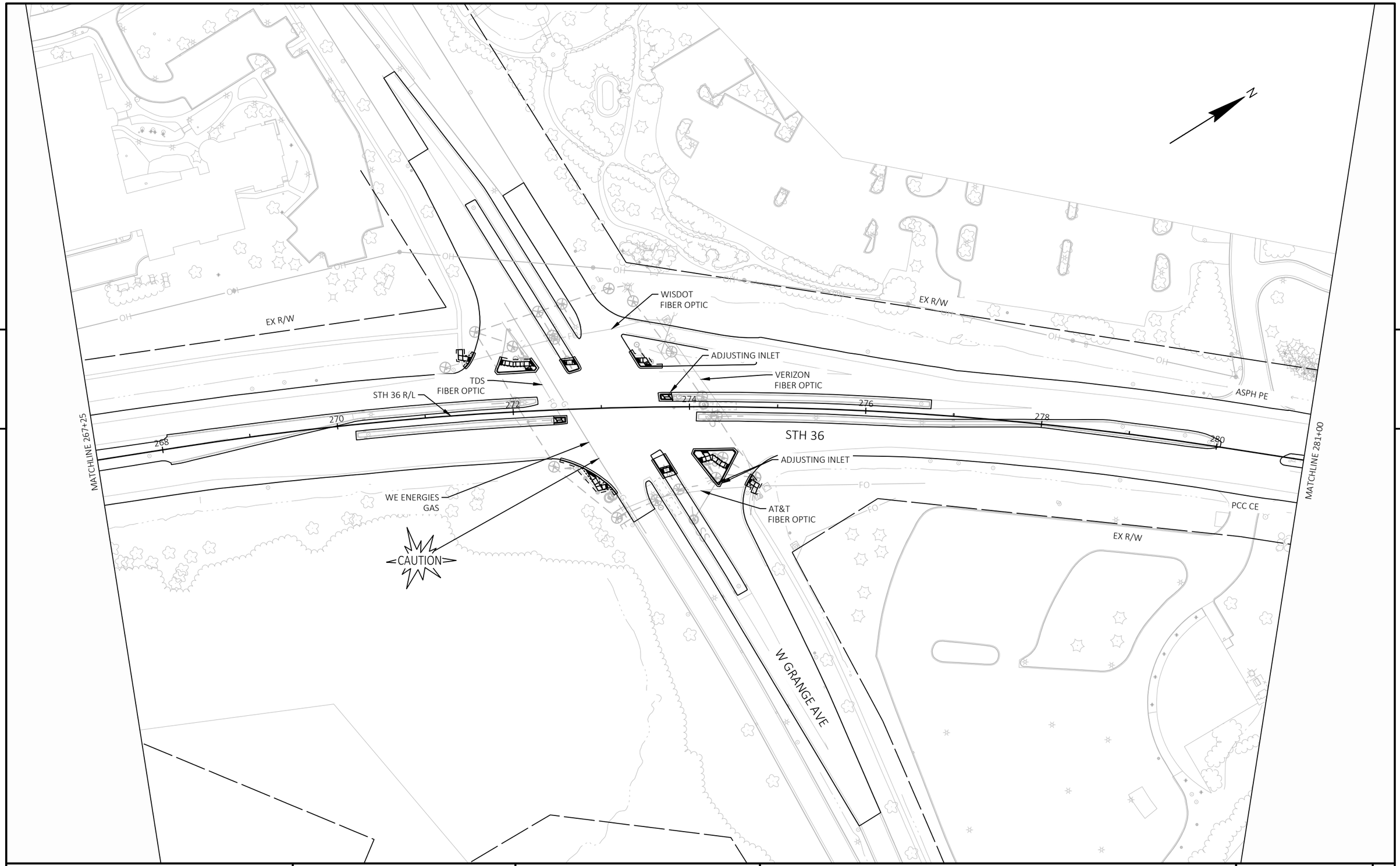
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 285	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050218

PLOT DATE : 10/27/2023 9:37 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 286 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050219

PLOT DATE : 10/27/2023 9:37 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

5

MATCHLINE 281+00

ASPH PE

ASPH PE

PCC CE

PCC CE

PCC CE

PCC CE

STH 36 R/L

END PROJECT
STA 293+25.00

282

284

286

288

290

292

294

STH 36

PCC CE

EX R/W

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	PLANS	SHEET 287	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050220

PLOT DATE : 10/27/2023 9:37 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:100 FT

Standard Detail Drawing List

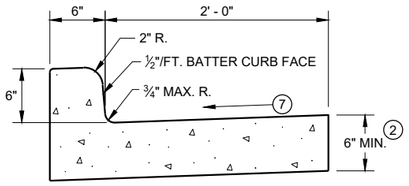
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
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
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
14B28-04A	GUARDRAIL MOW STRIP
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)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-05A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
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
15C02-09D	ON RAMP LANE CLOSURE
15C02-09E	OFF RAMP LANE CLOSURE
15C02-09G	TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15D12-12A	TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-07A	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
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

6

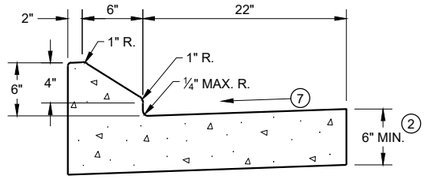
Standard Detail Drawing List

15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

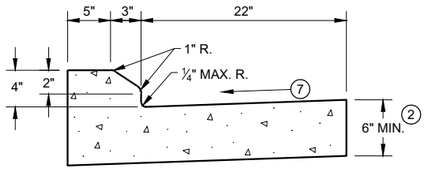
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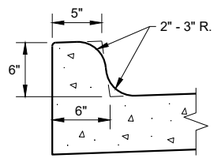
TYPES A (1) & D



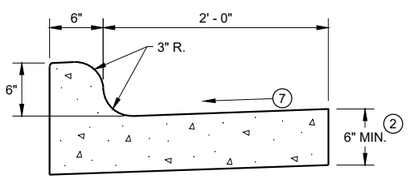
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

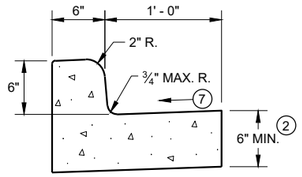


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



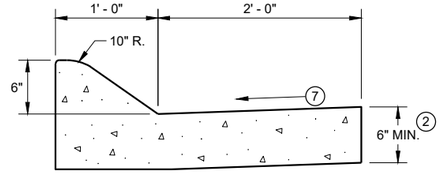
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

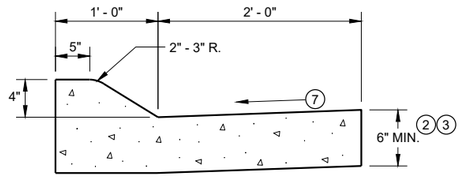


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

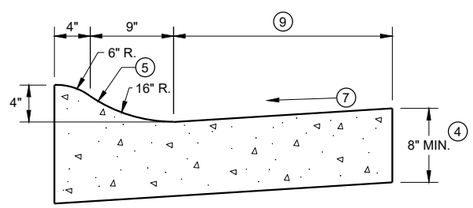


6" SLOPED CURB TYPES A (1) & D



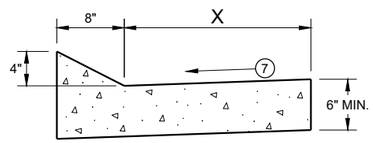
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

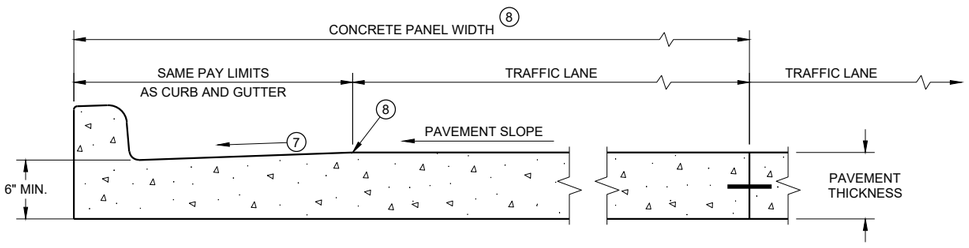


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

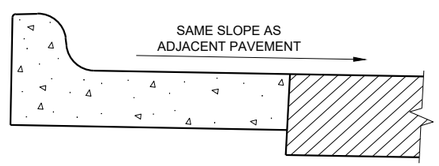
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

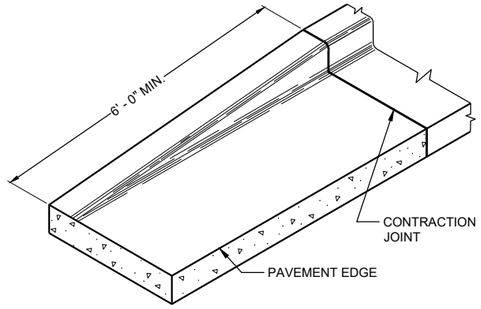
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

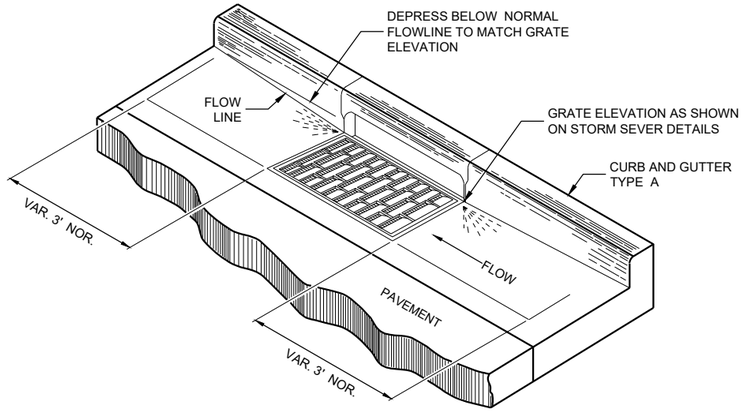
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 23a
SDD 08D01 - 23a



END SECTIONCURB 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.

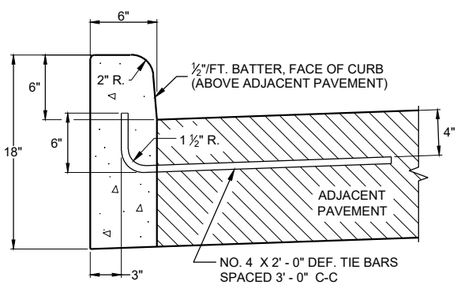
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

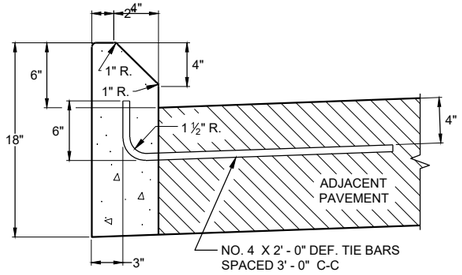
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

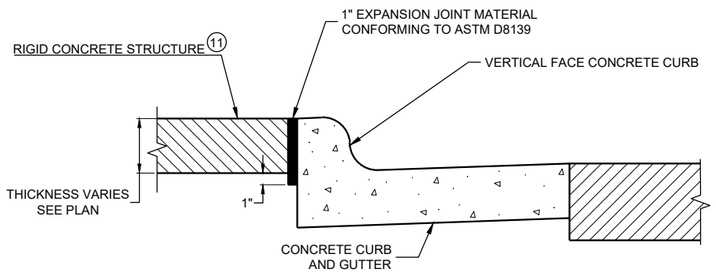


TYPES A(1) & D

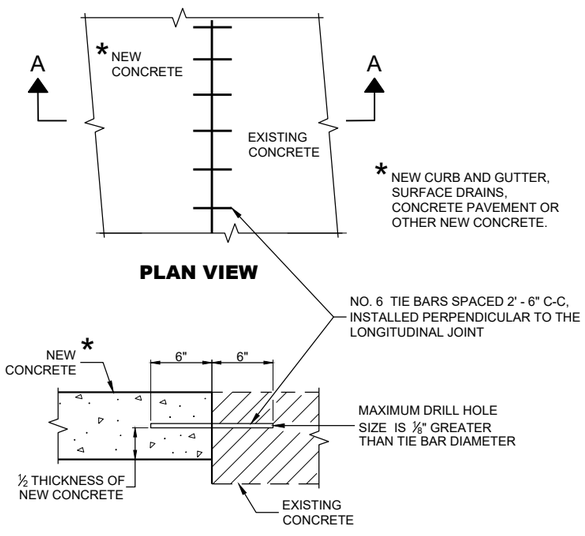


TYPES G(1) & J

CONCRETE CURB



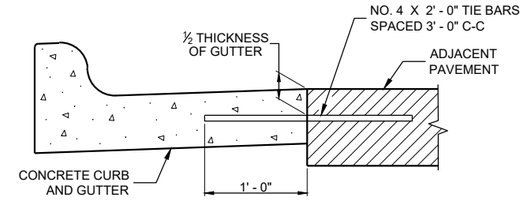
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE(11)



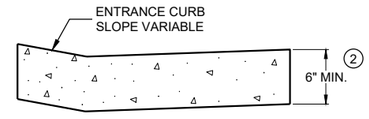
PLAN VIEW

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

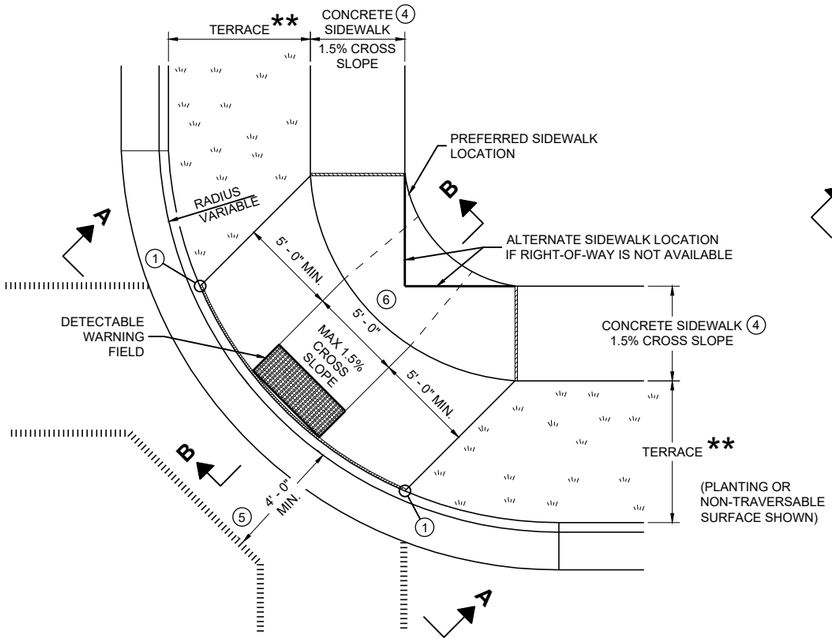
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

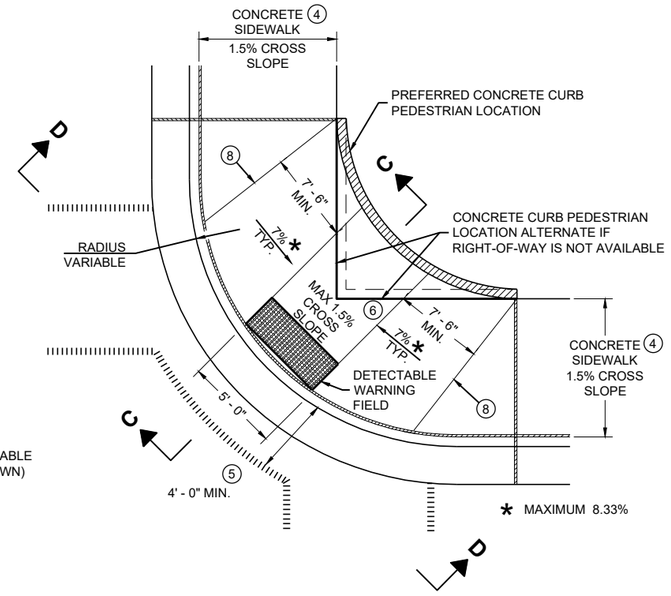
SDD08D01 - 23b



PLAN VIEW

CURB RAMP TYPE 1

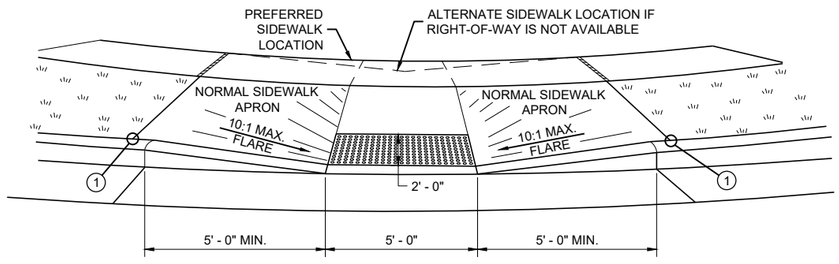
(CENTER OF CORNER RADIUS)



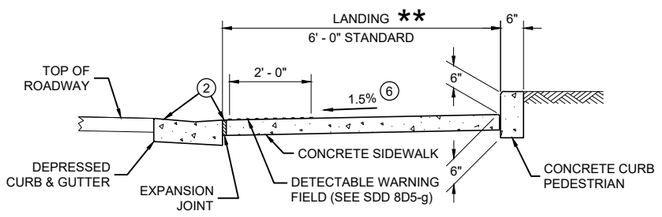
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

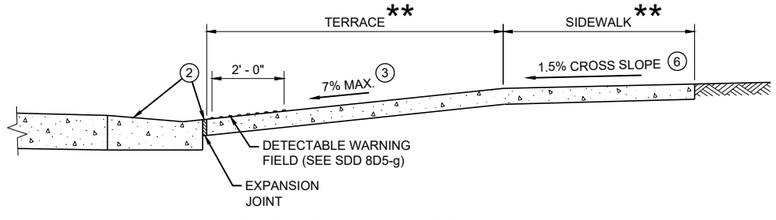


VIEW A - A FOR TYPE 1

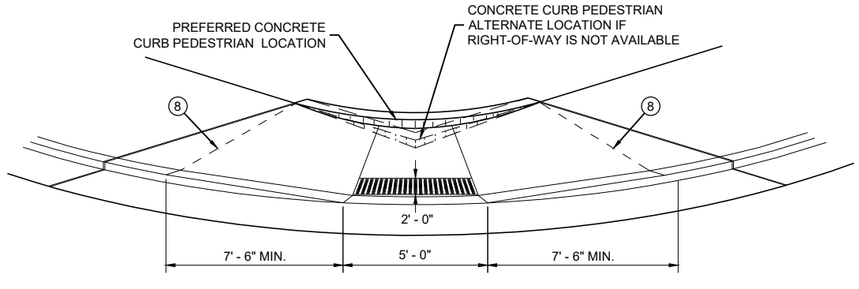


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



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 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 RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF 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 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

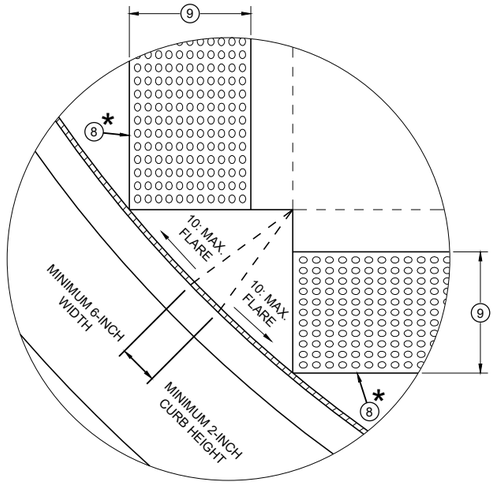
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

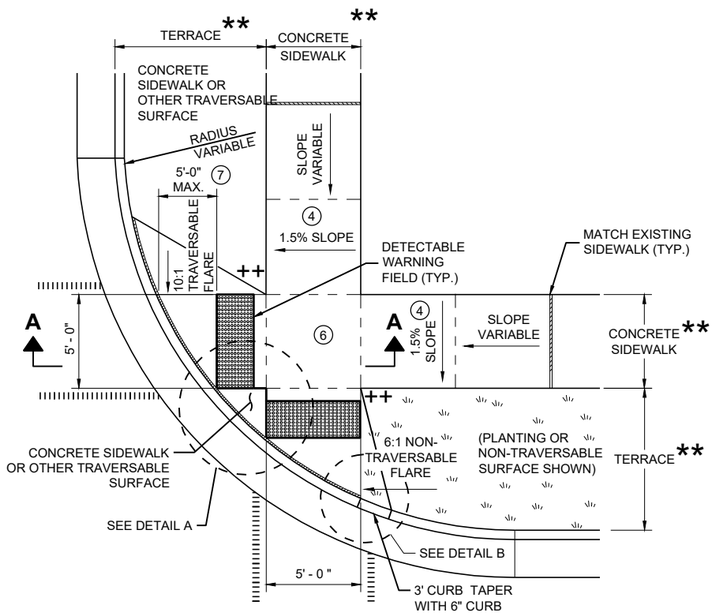
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

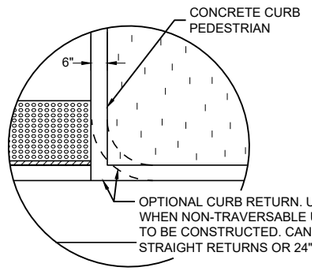
6
SDD 08D05-21a



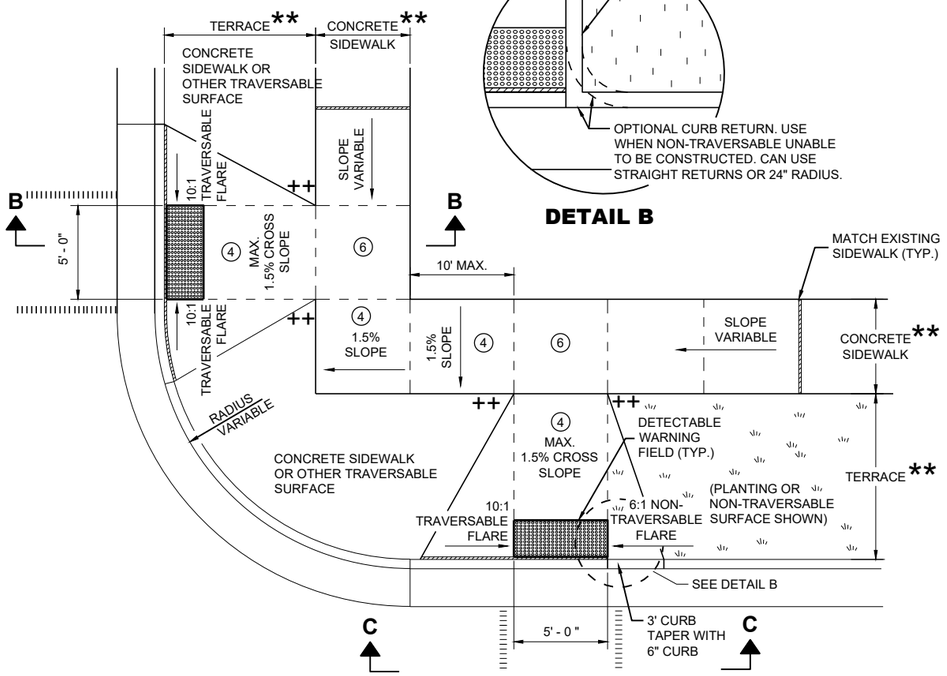
DETAIL A



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 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

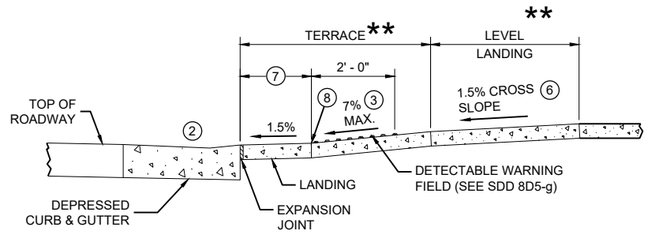
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(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% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

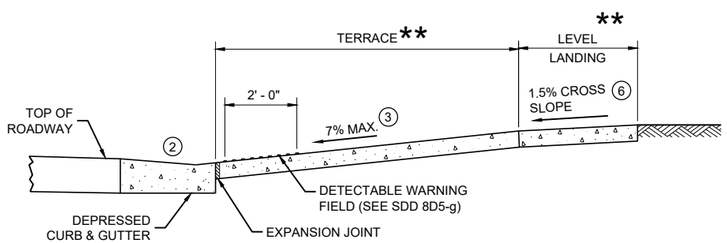


SECTION A - A FOR TYPE 2

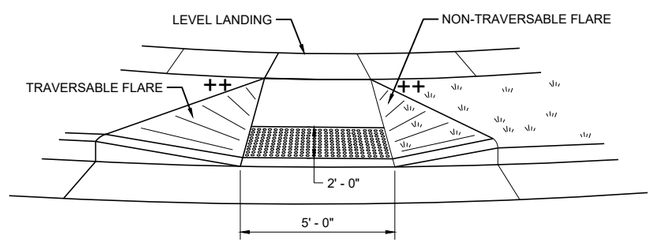
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



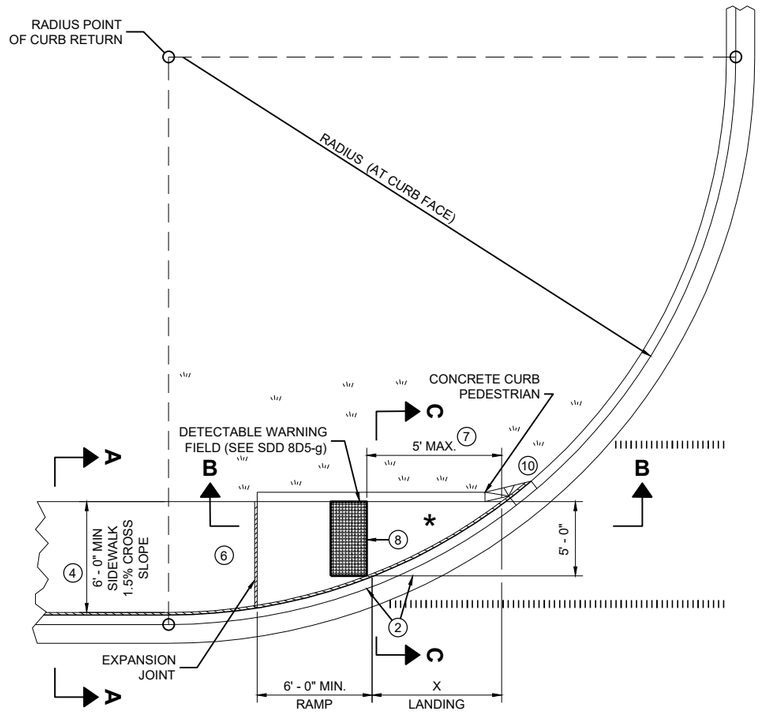
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

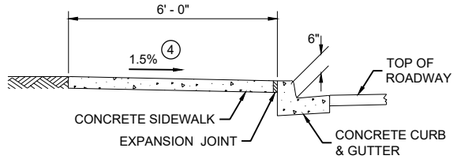


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(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.

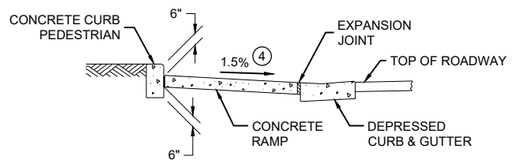
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

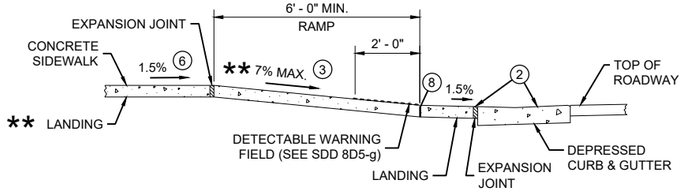
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

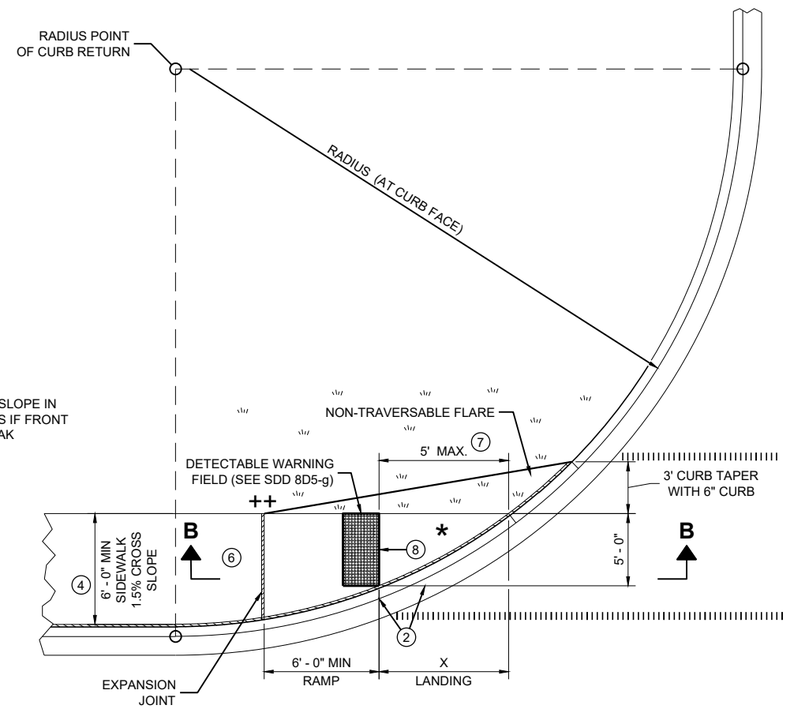


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

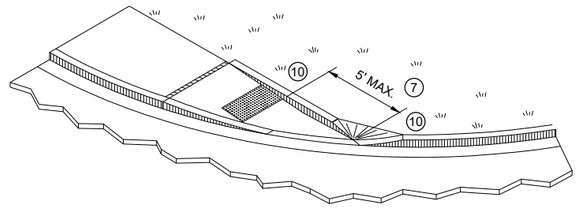


* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

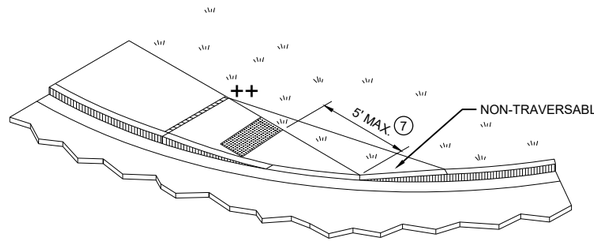
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



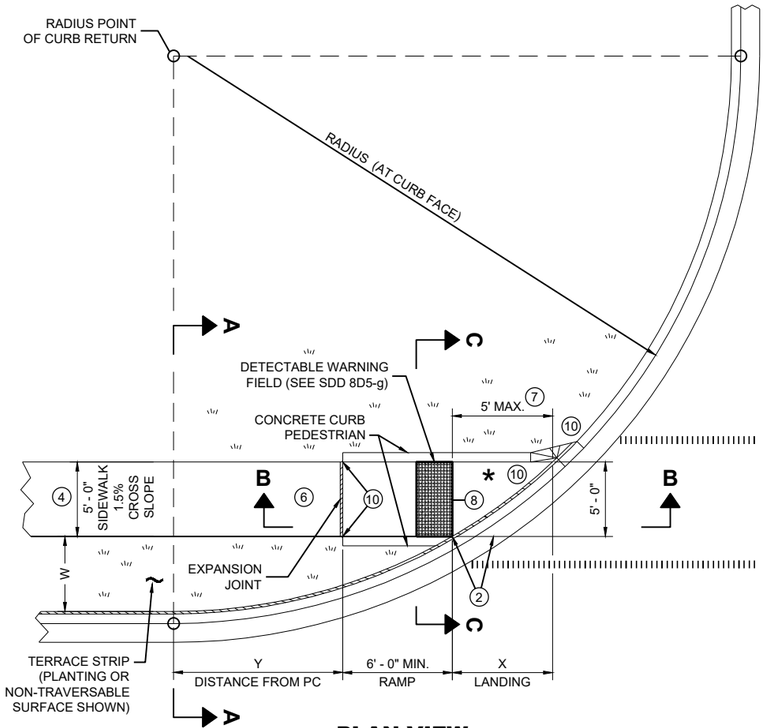
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

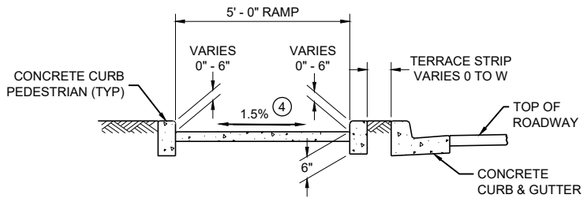
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

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)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

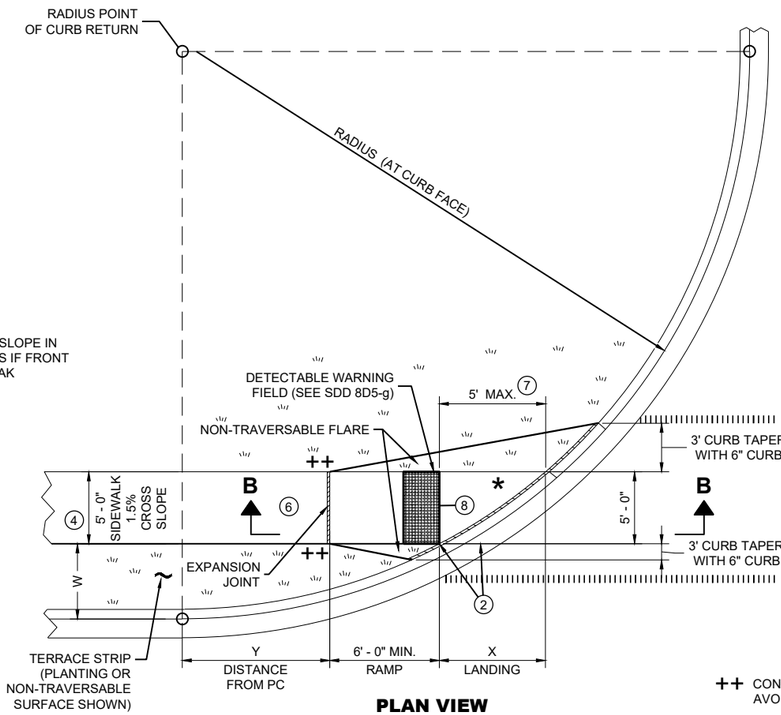
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(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.

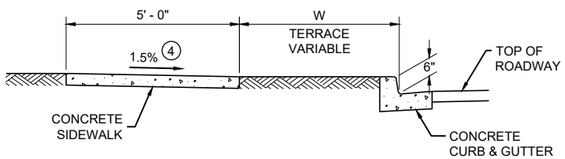
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



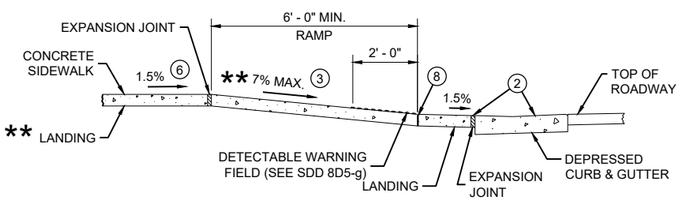
PLAN VIEW
CURB RAMP TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

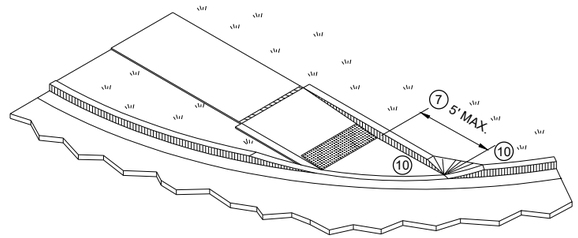


SECTION A - A FOR TYPE 4B

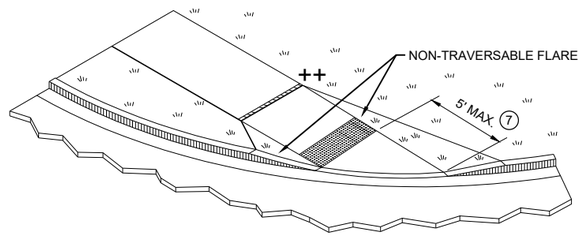


** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B - B FOR TYPE 4B AND TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



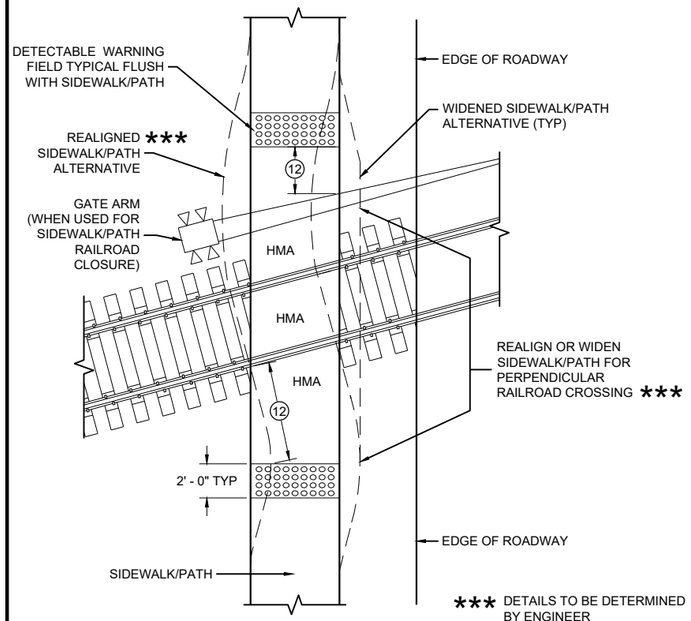
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

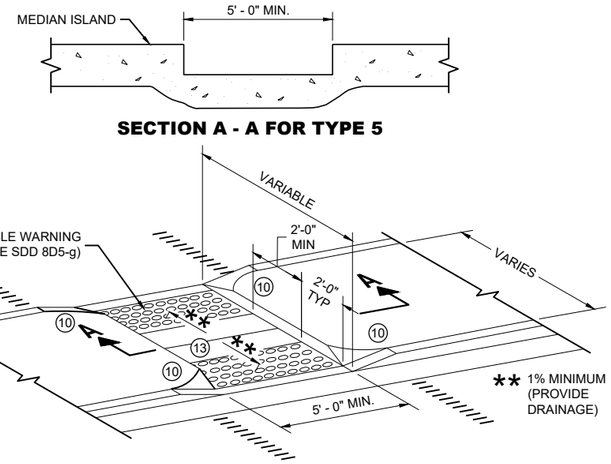
6

SDD 08D05-21d



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 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%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

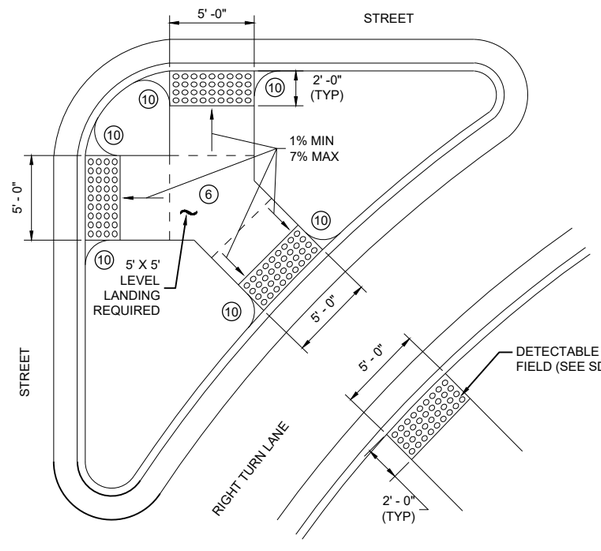
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

LEGEND

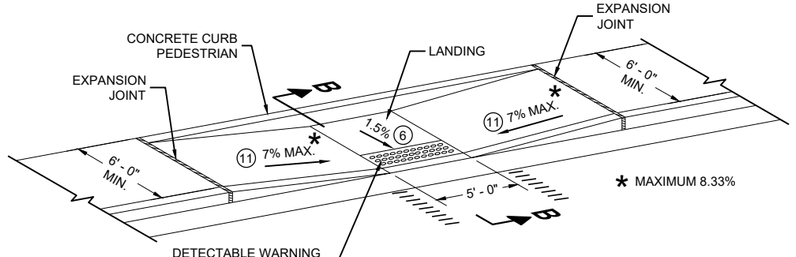
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

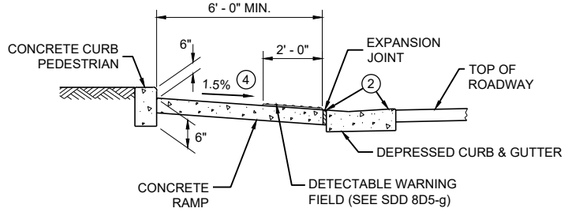
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

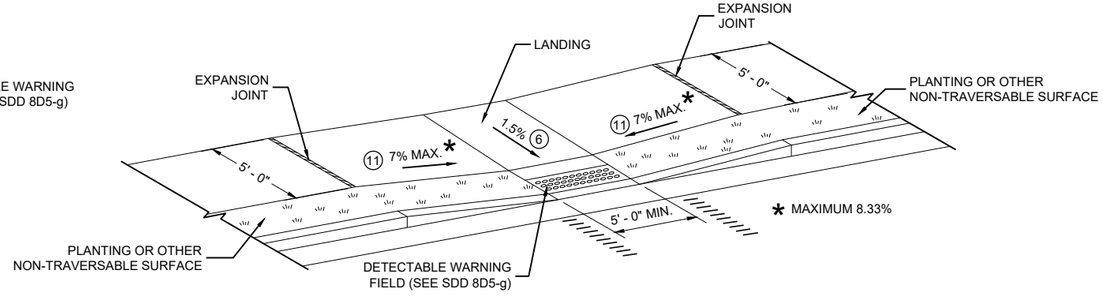


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



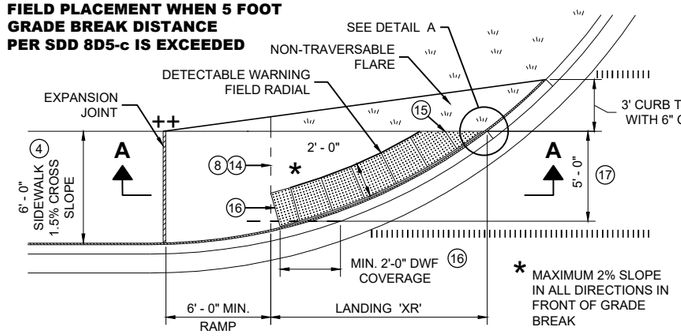
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

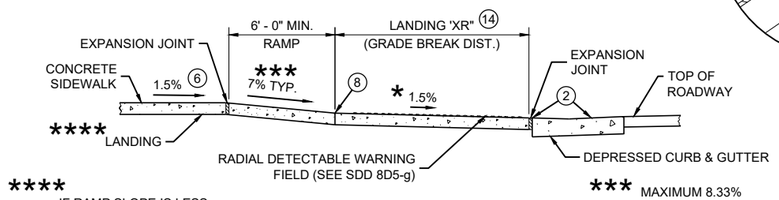
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

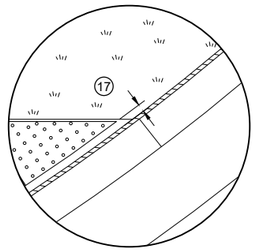
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

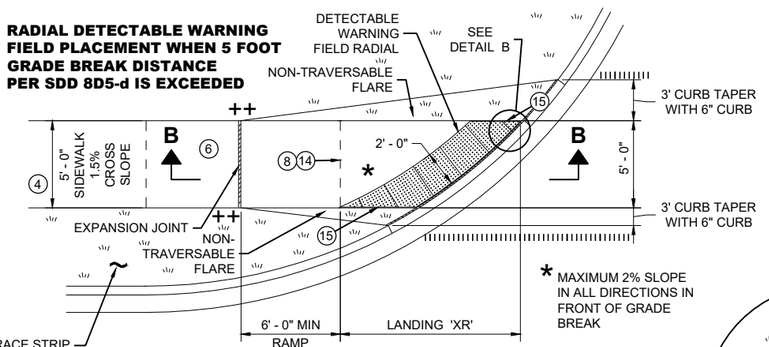
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

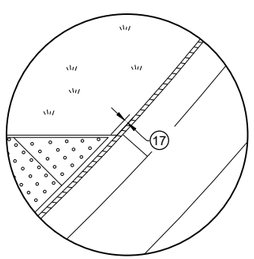
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

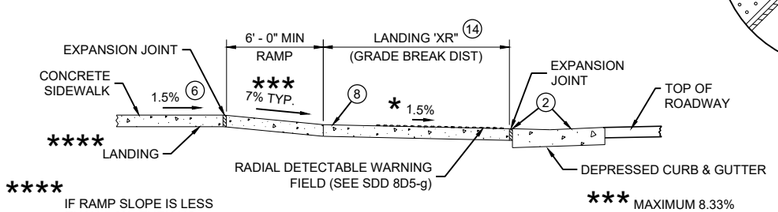


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

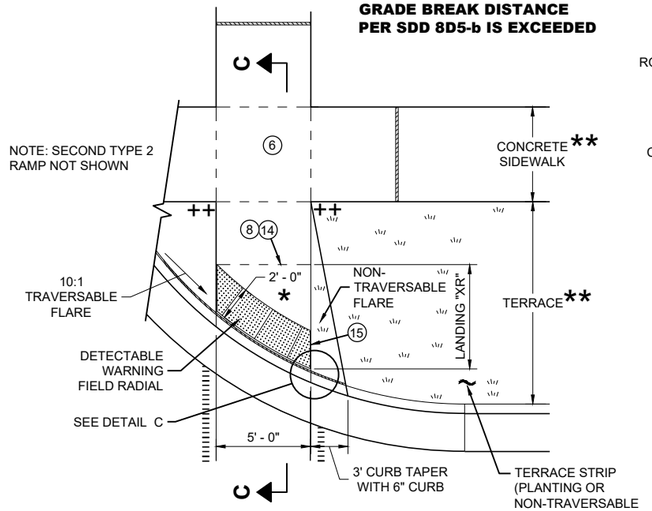


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

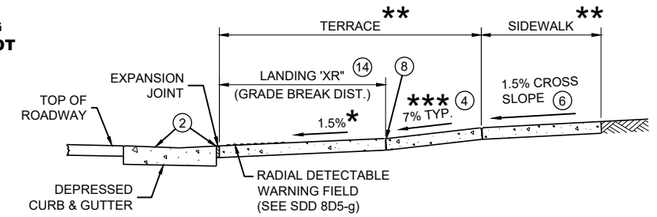
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

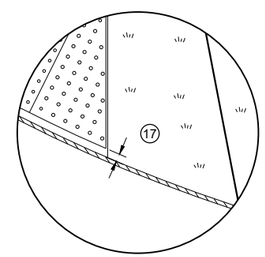


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

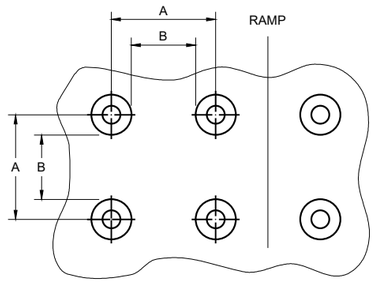
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

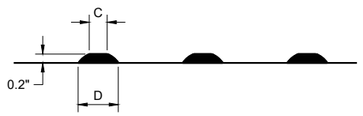
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

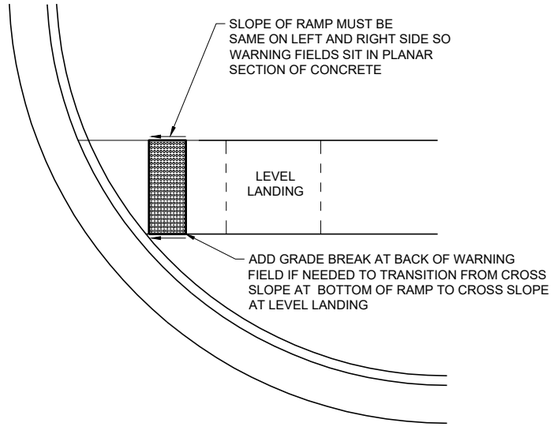
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

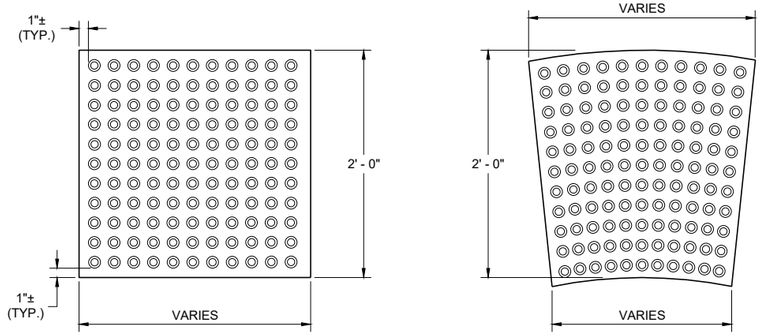
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. 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.

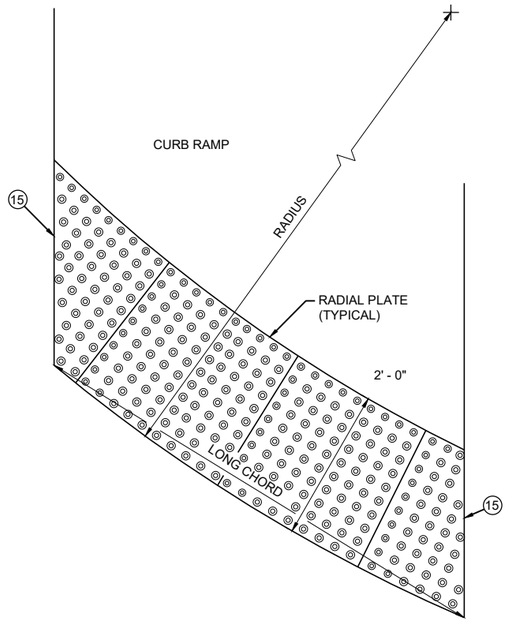
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



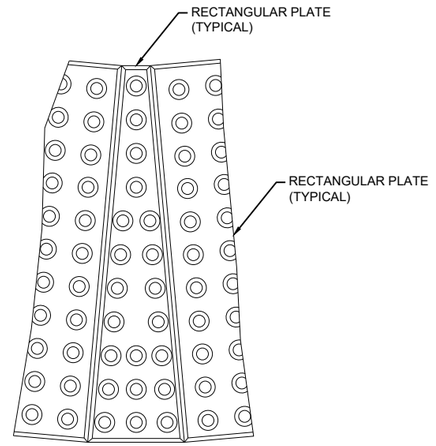
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

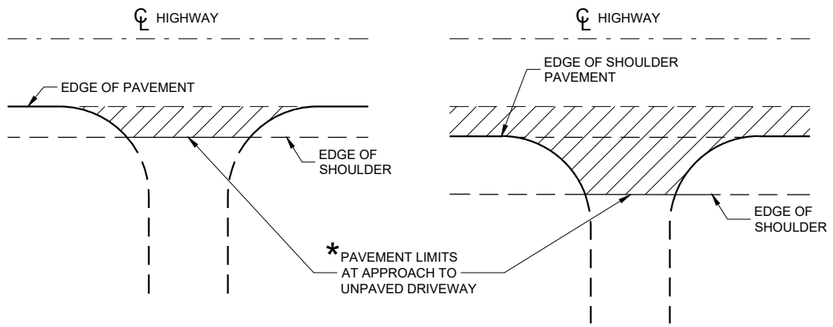
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

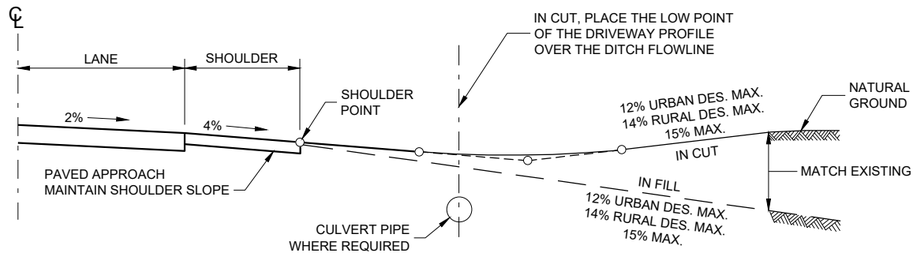
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SDD 08D05-21g



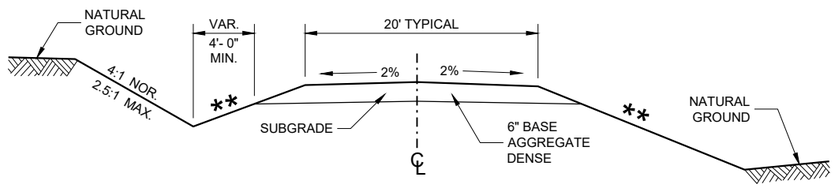
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

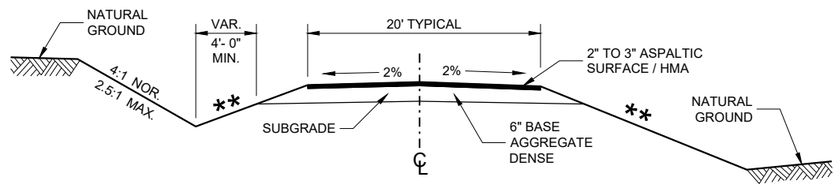


IN CUT **IN FILL**

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

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

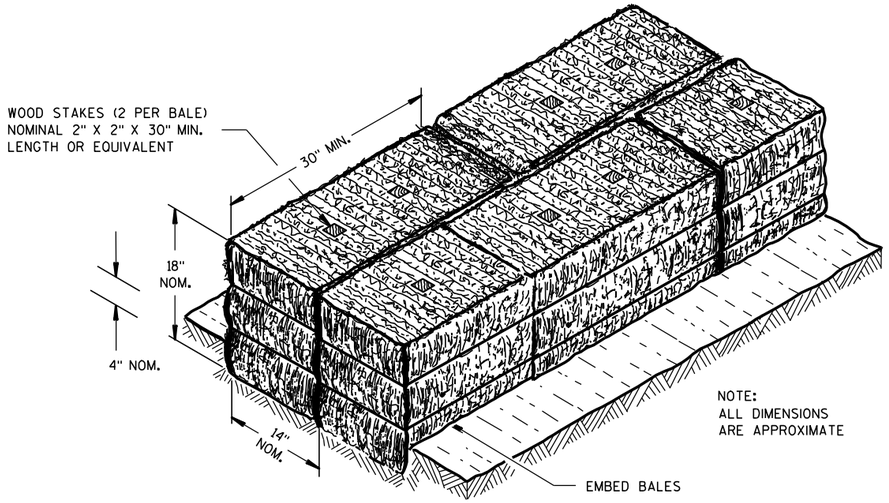
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

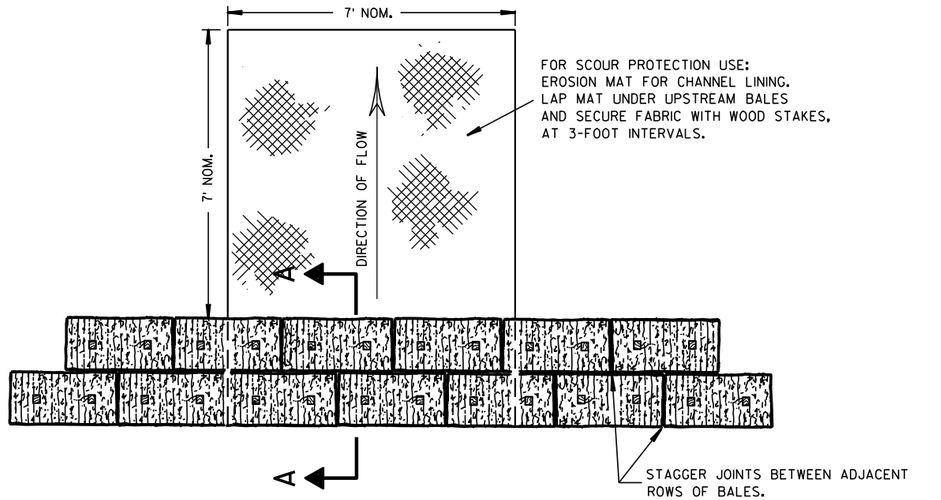
FHWA

6

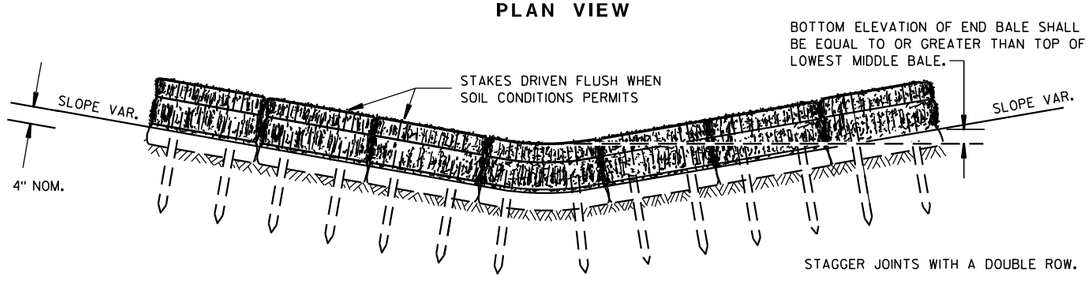
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



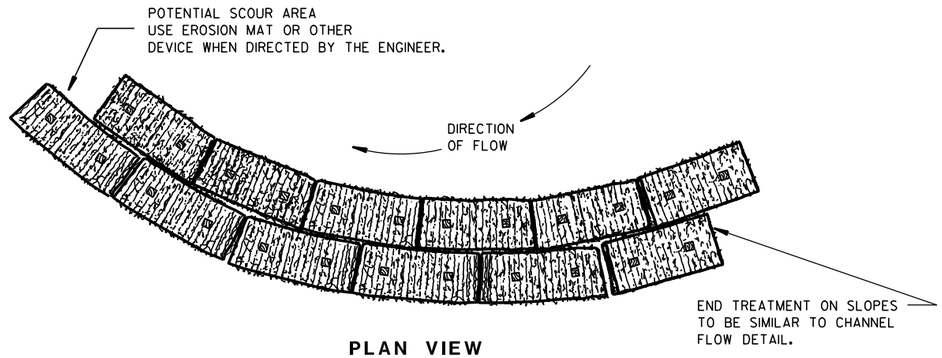
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

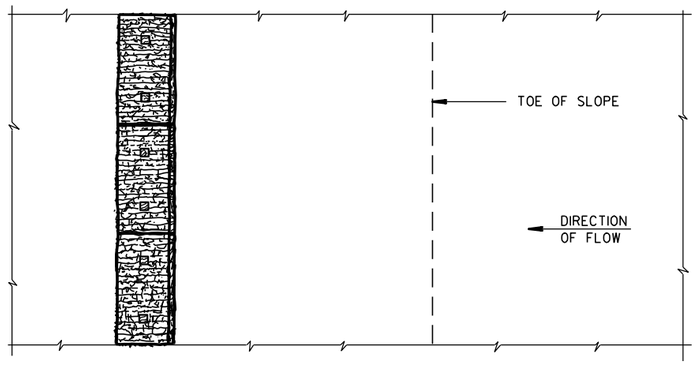
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

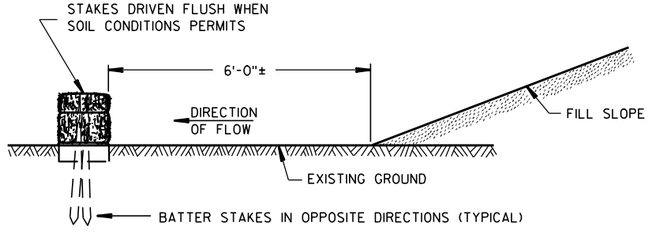


PLAN VIEW

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

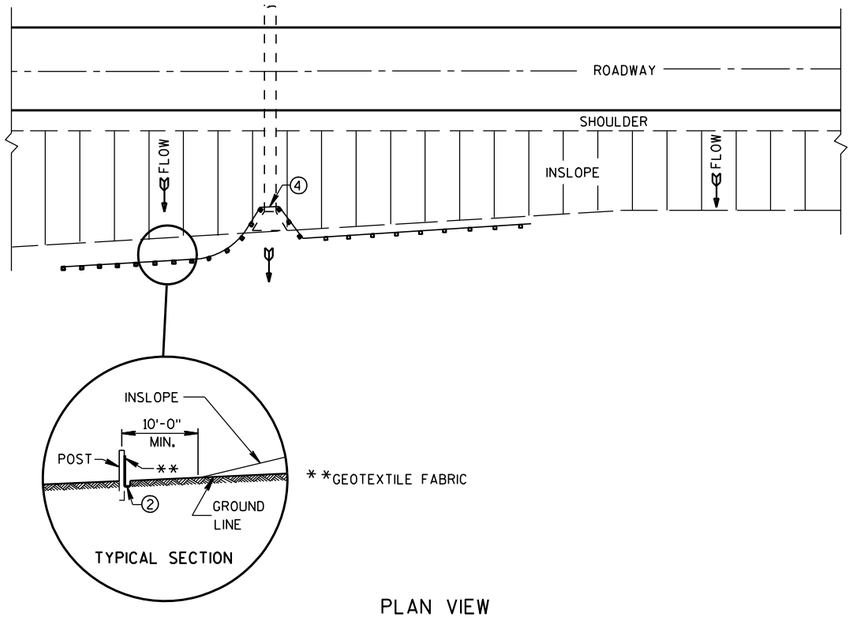
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

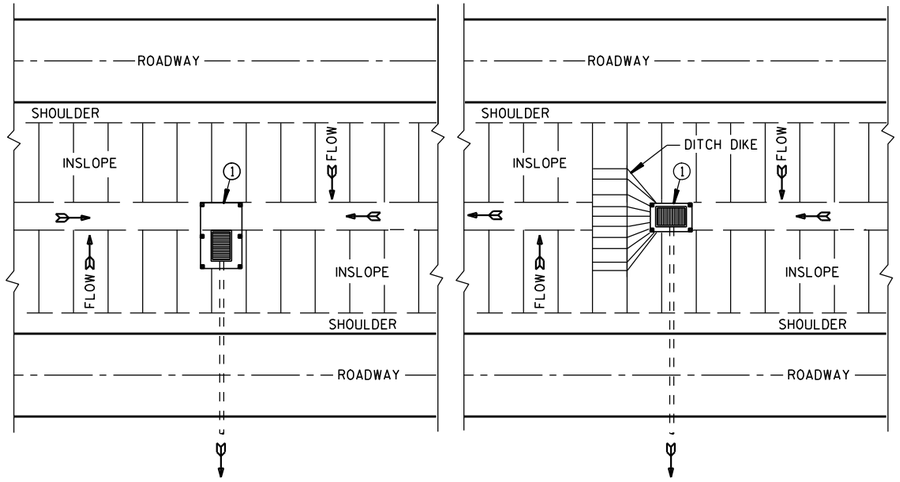
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



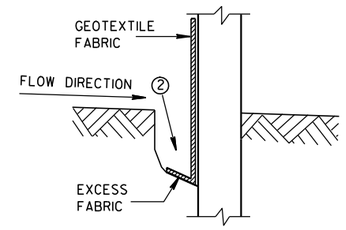
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

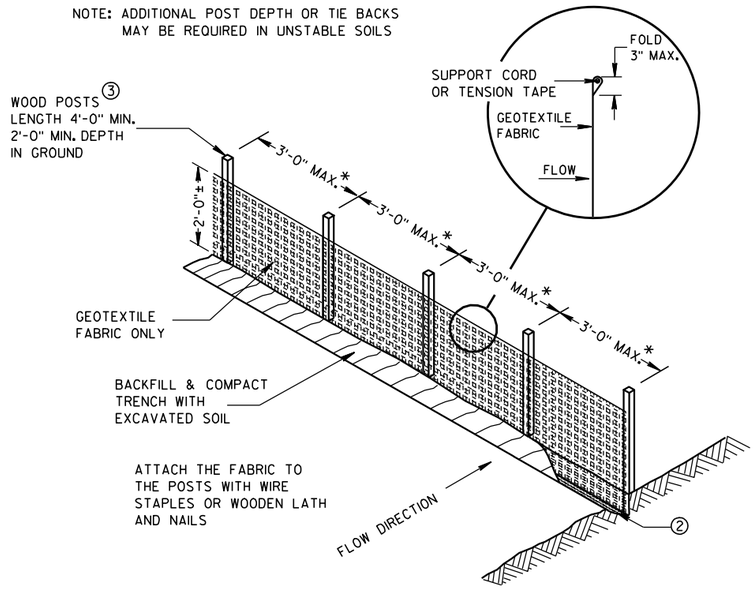
GENERAL NOTES

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

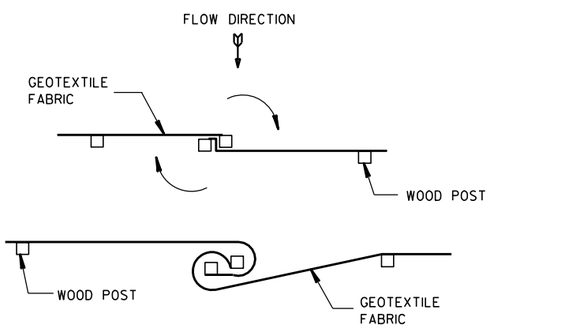
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



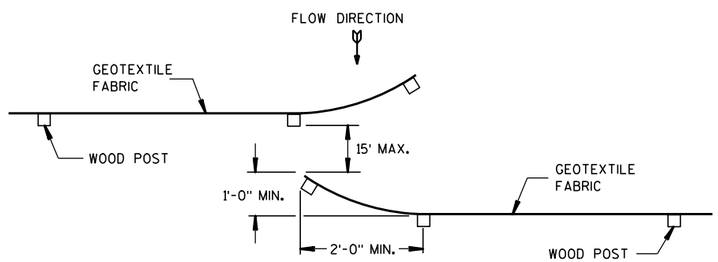
TRENCH DETAIL



SILT FENCE

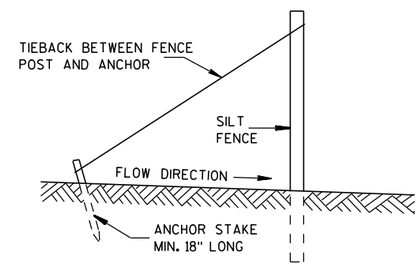


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5

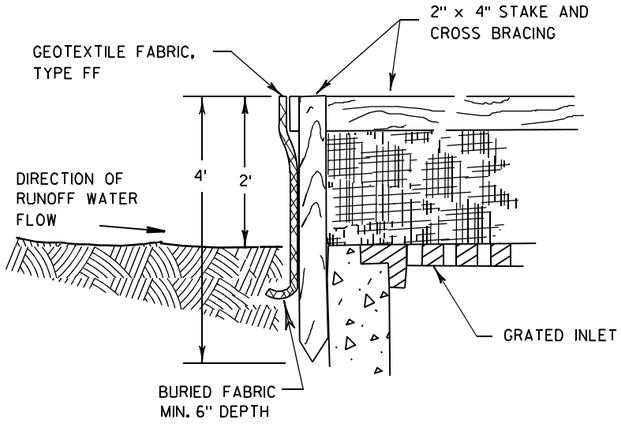


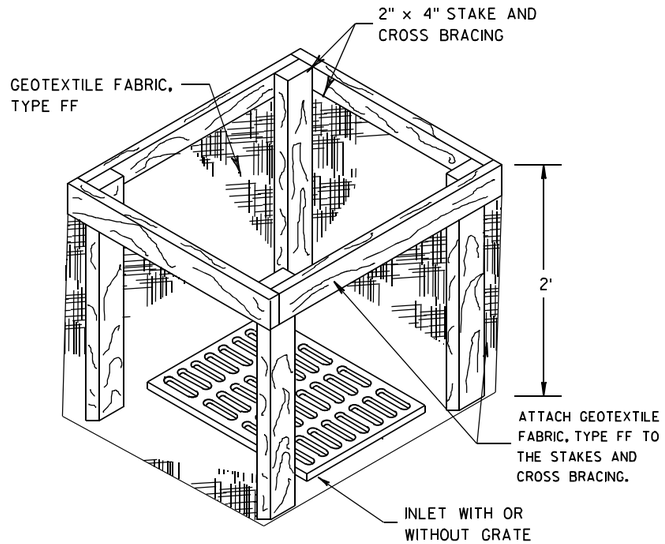
SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

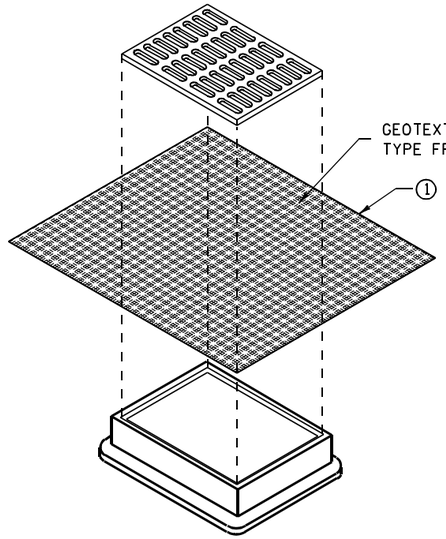
SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
4-29-05 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

6
S.D.D. 8 E 9-6



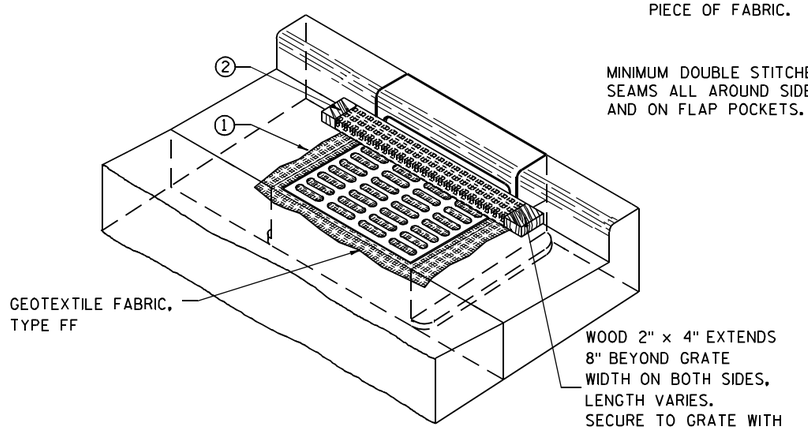


INLET PROTECTION, TYPE A

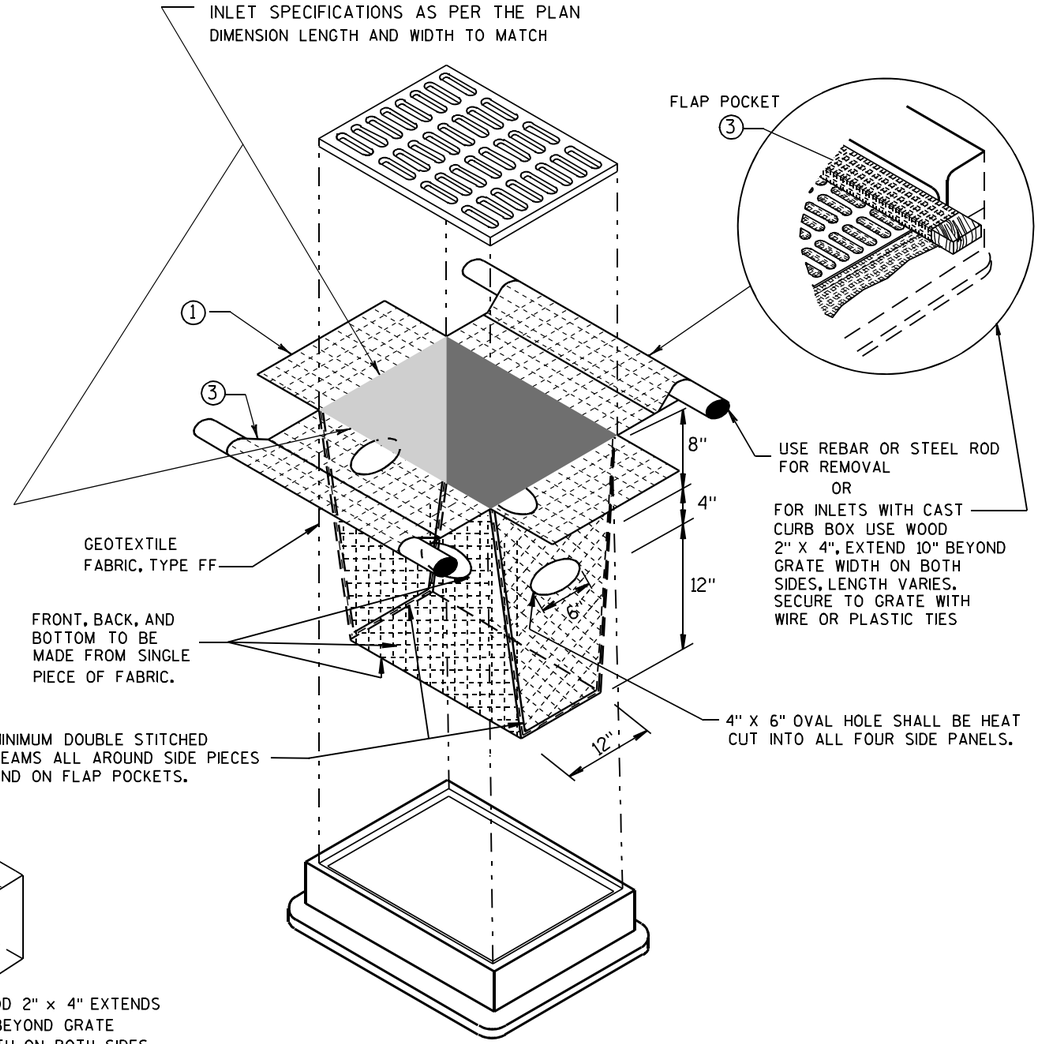


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

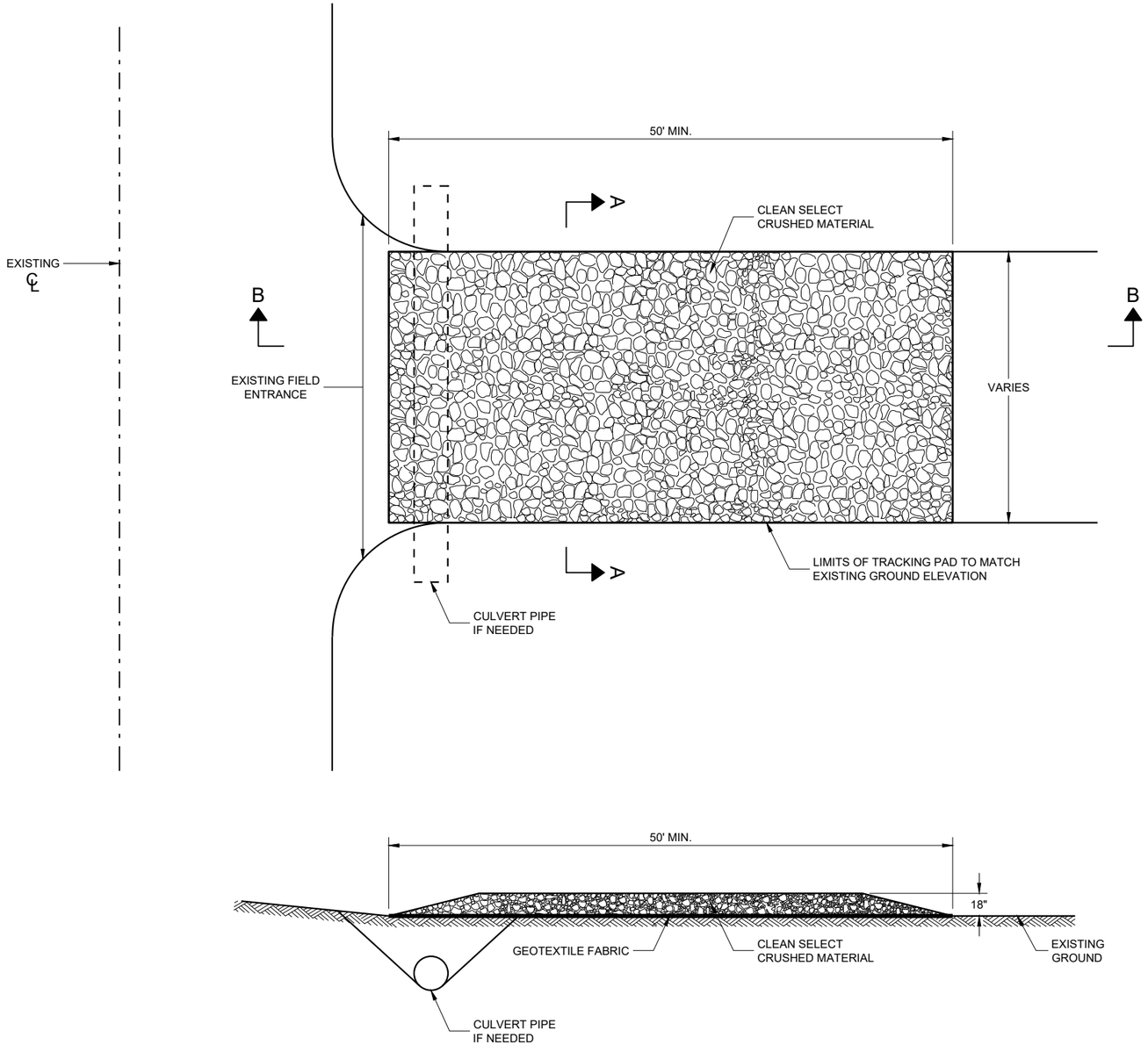
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

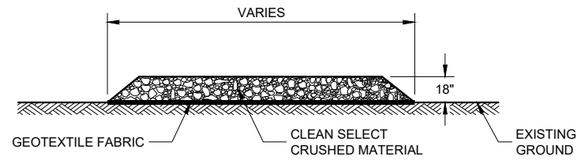
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

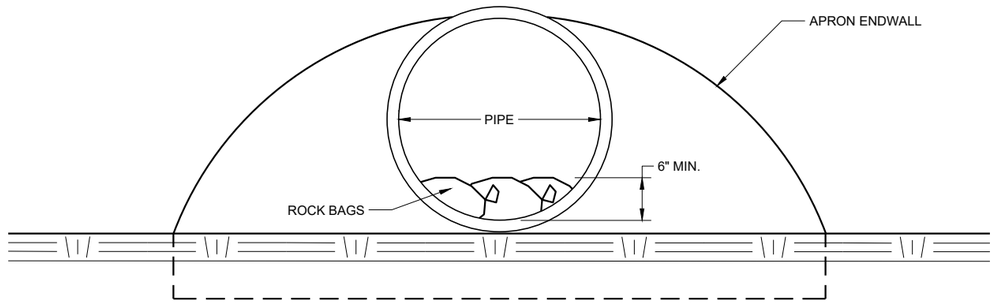
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

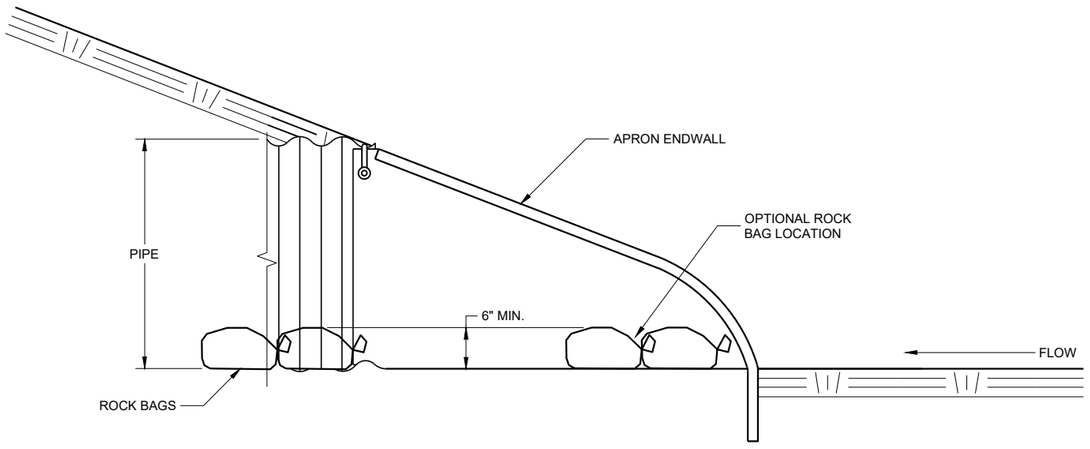
FHWA

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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Daniel Schave — EROSION CONTROL ENGI
FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

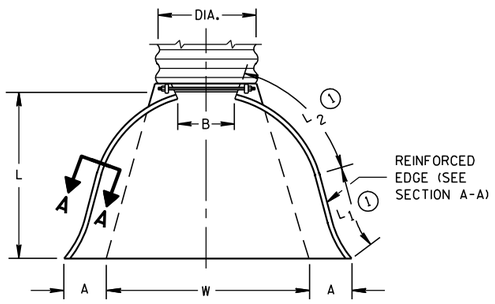
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

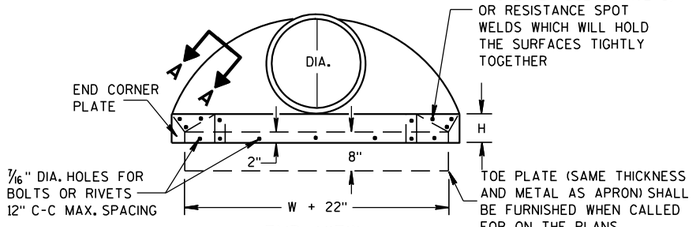
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

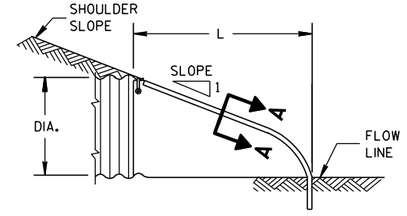
*MINIMUM
**MAXIMUM



PLAN VIEW

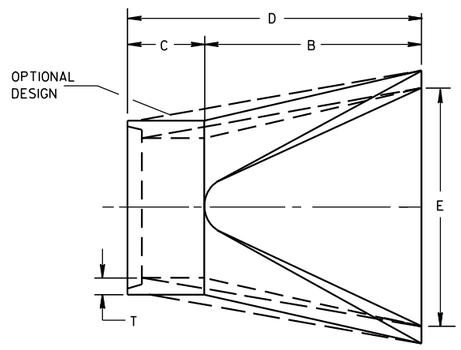


END VIEW

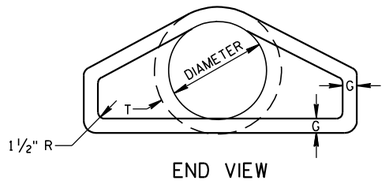


SIDE ELEVATION

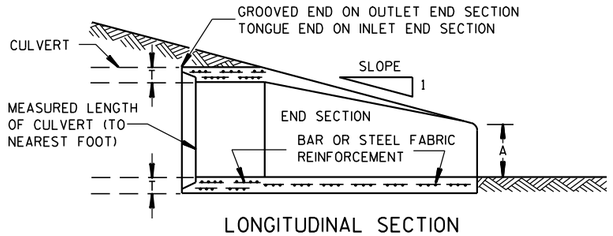
METAL ENDWALLS



PLAN

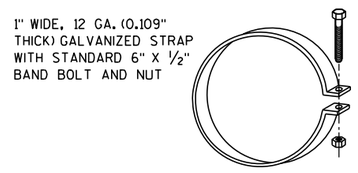


END VIEW



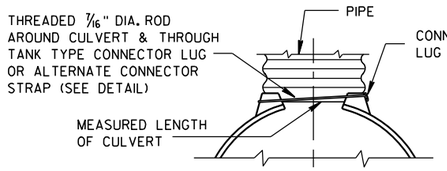
LONGITUDINAL SECTION

CONCRETE ENDWALLS

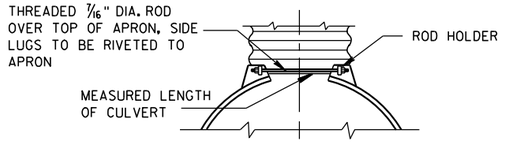


ALTERNATE FOR TYPE 1 CONNECTION

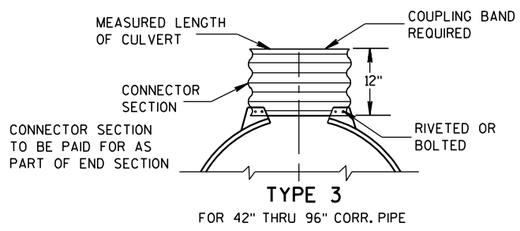
END SECTION CONNECTOR STRAP



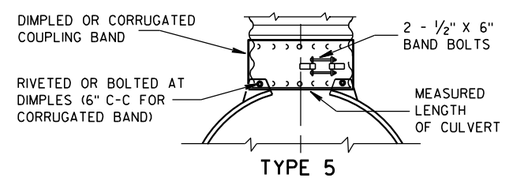
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

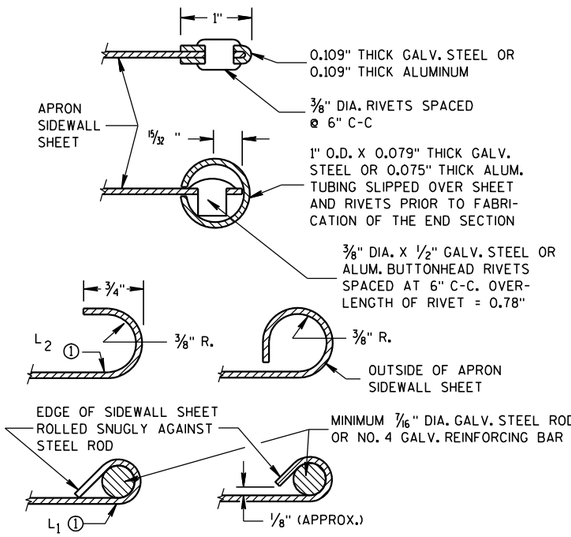
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

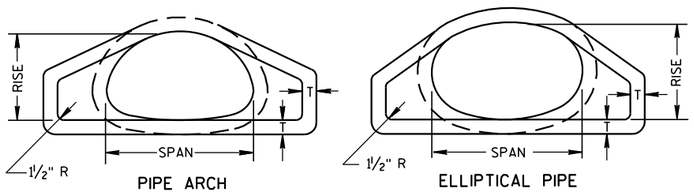
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

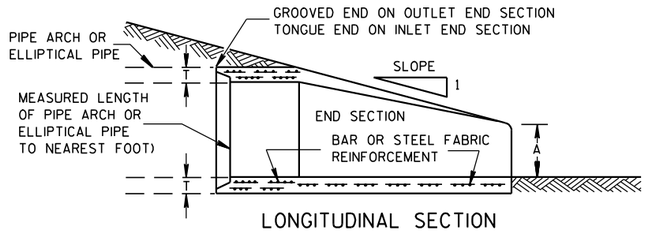
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



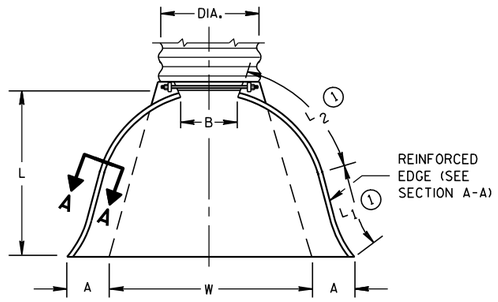
END VIEW



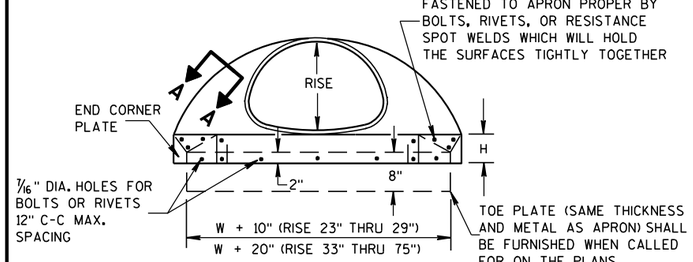
LONGITUDINAL SECTION

PLAN VIEW

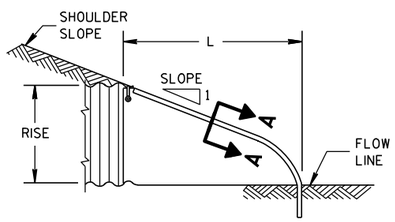
CONCRETE ENDWALLS



PLAN VIEW

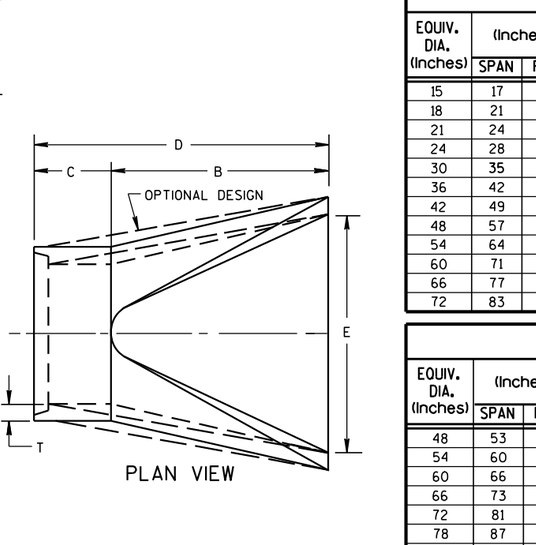


END VIEW



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

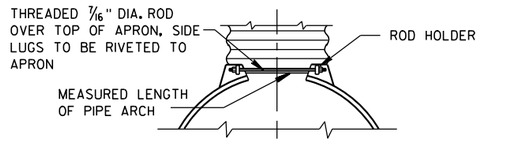
REINFORCED CONCRETE PIPE ARCH

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

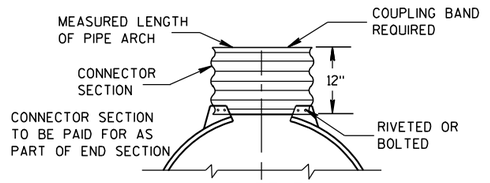
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



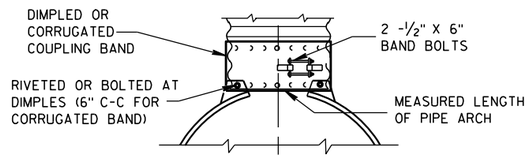
TYPE 2

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

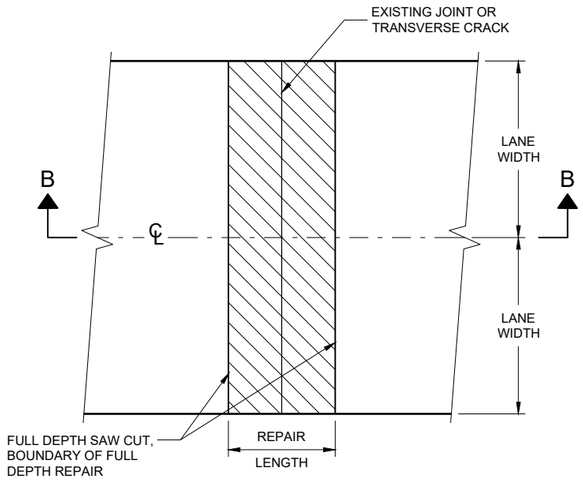
FHWA

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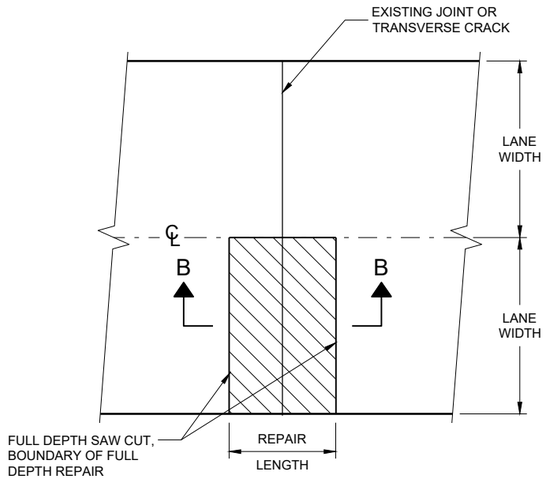
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S.D.D. 8 F 2-1



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

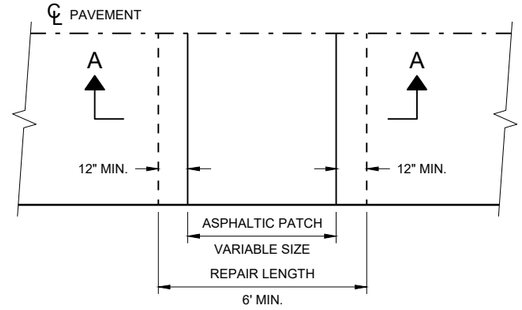
GENERAL NOTES

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.

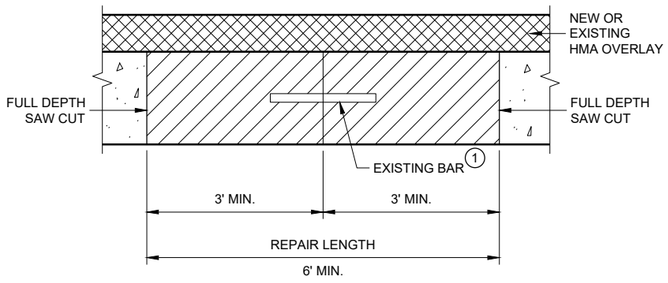
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

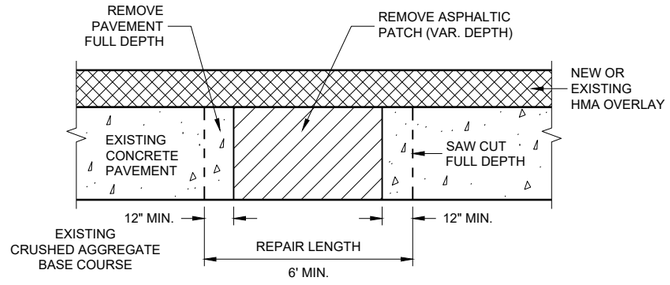


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A

HMA PATCH REMOVAL

BASE PATCHING CONCRETE

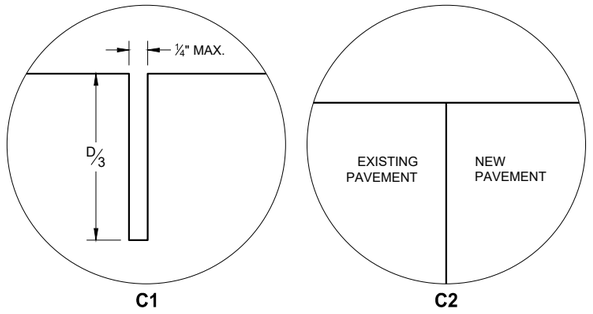
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 307

SDD 13C14 - 07a

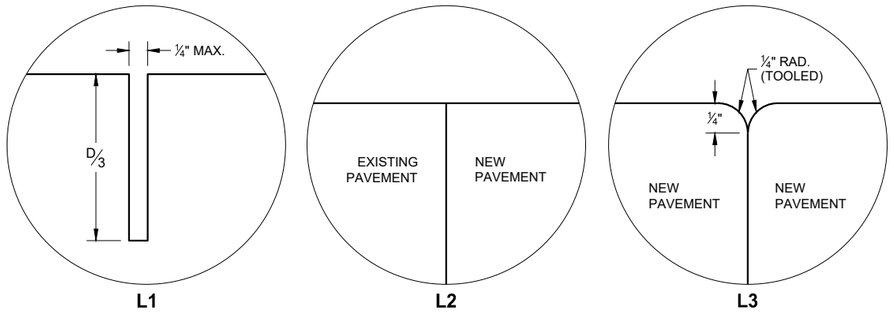
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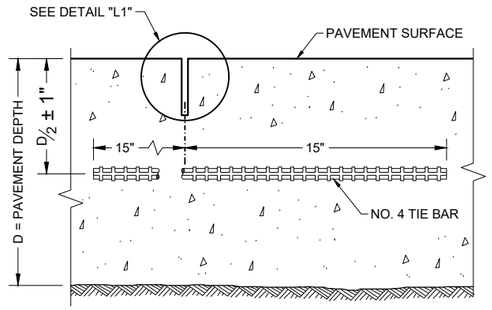
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TRANSVERSE JOINTS

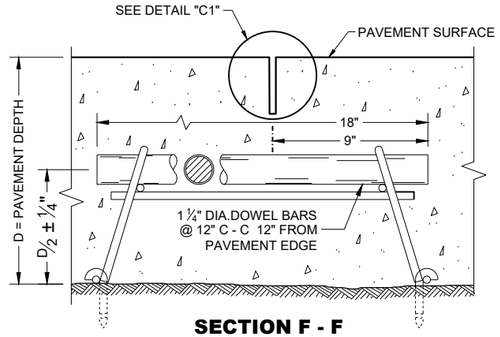


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

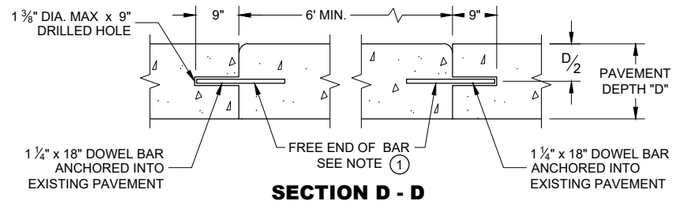
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

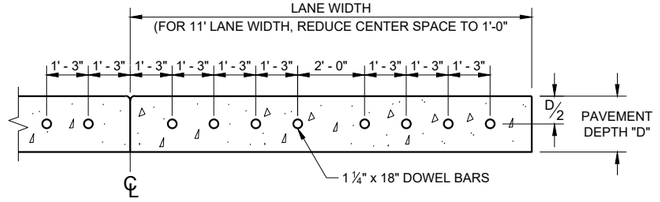
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

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.

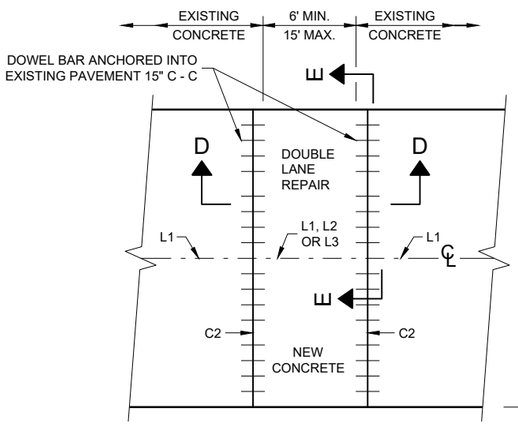


SECTION D - D



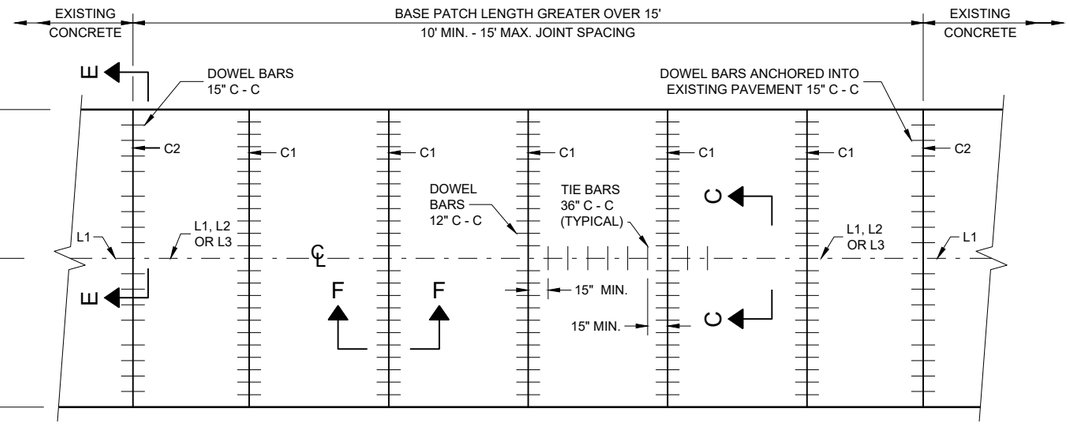
SECTION E - E

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

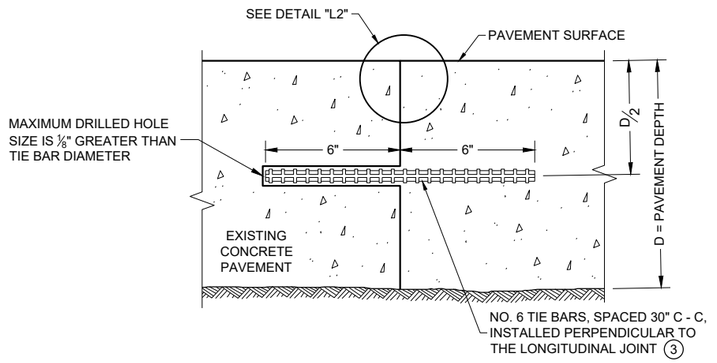
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 308

SDD 13C14 - 07b

SDD 13C14 - 07b

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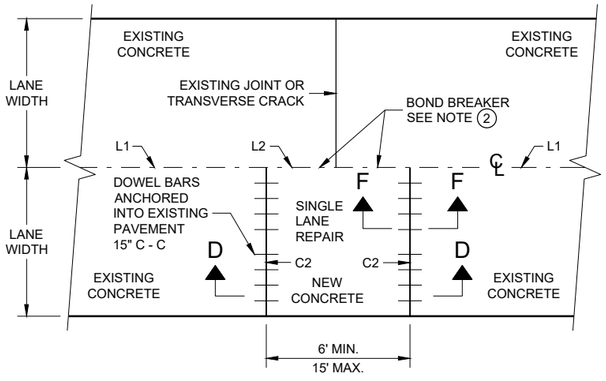


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

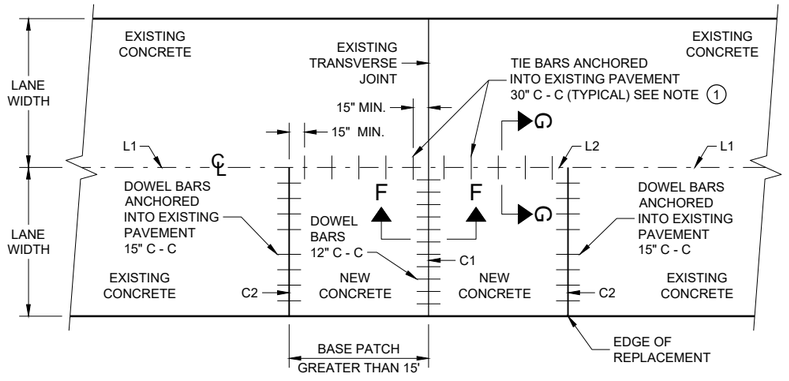
GENERAL NOTES

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

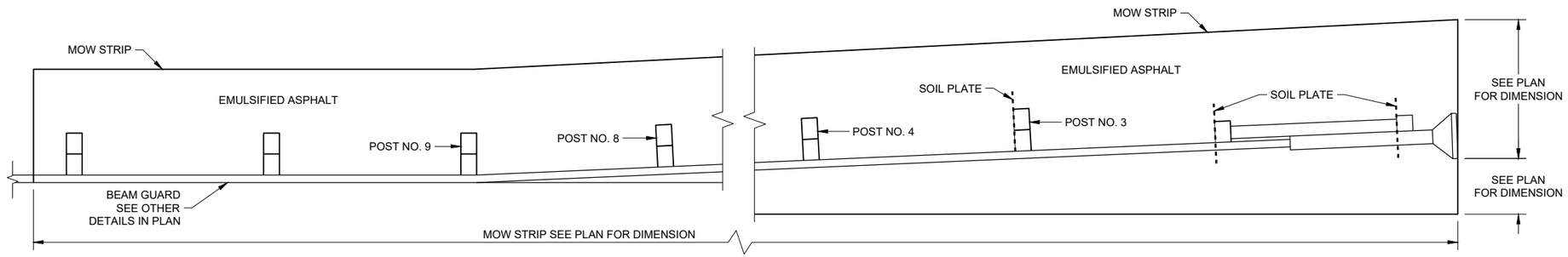
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVIS

FHWA

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SDD 13C14 - 07c
SDD 13C14 - 07c



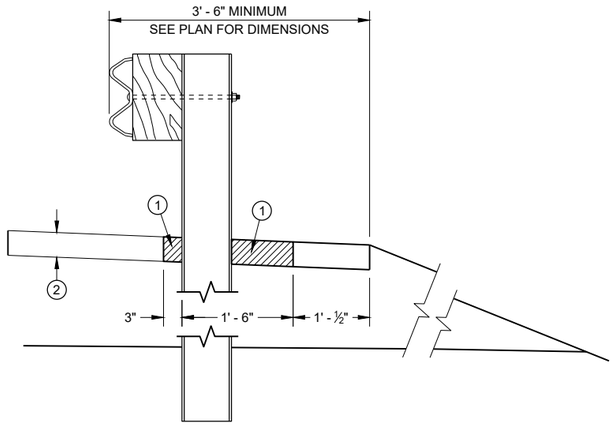
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

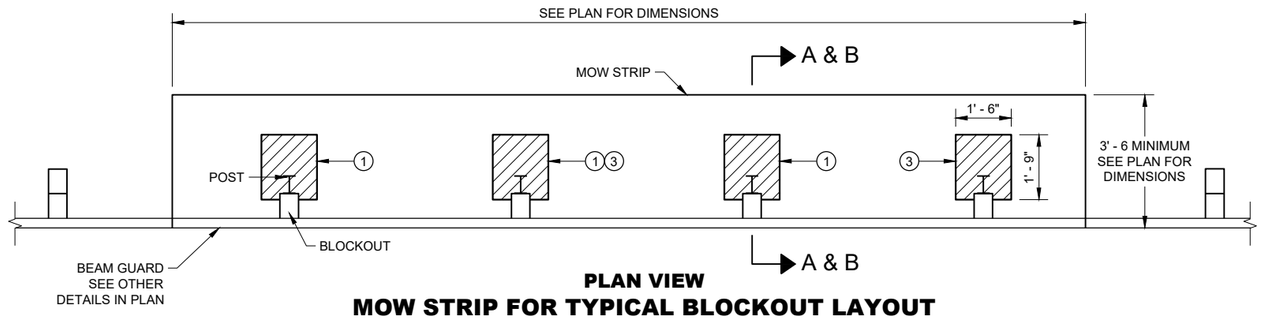
GENERAL NOTES

ONLY USE STEEL POSTS IN CONCRETE AND ASPHALT MOW STRIPS.

1. CONTROLLED LOW-STRENGTH BACKFILL OR EMULSIFIED ASPHALT.
2. DEPTH OF MOW STRIP:
   ASPHALT - 4"
   CONCRETE - 4"
   EMULSIFIED ASPHALT - 1" OR LESS
3. FOR EMULSIFIED ASPHALT, MOW STRIP STRIP LEAVE OUTS NOT REQUIRED. (TYPICAL FOR ALL POSTS)

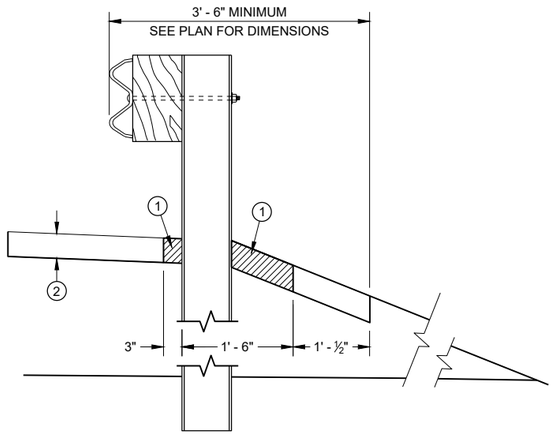


SECTION A - A

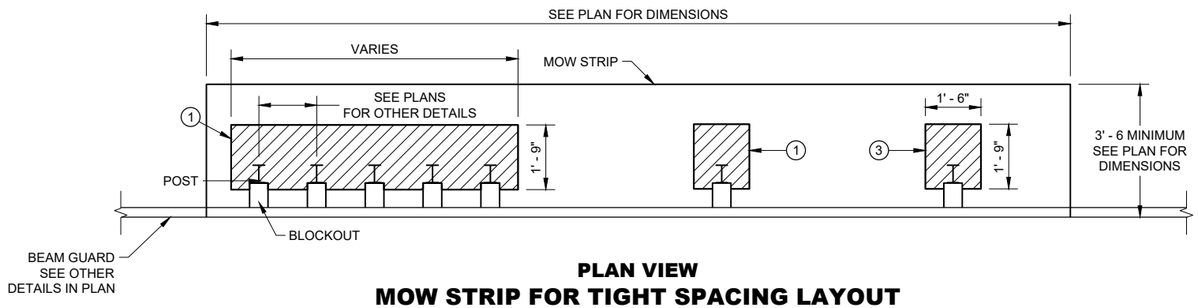


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

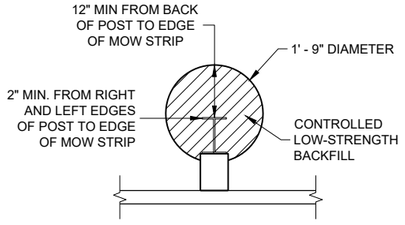


SECTION B - B

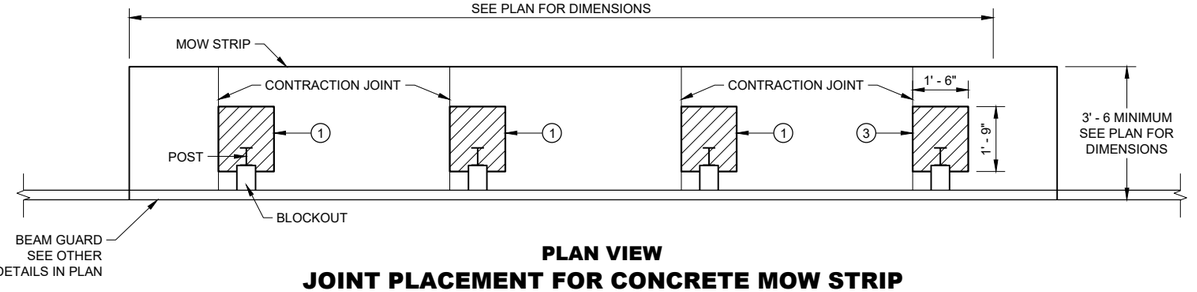


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

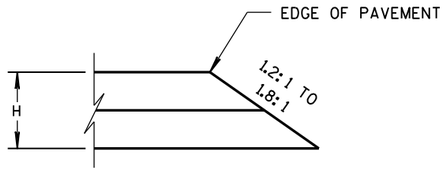
JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

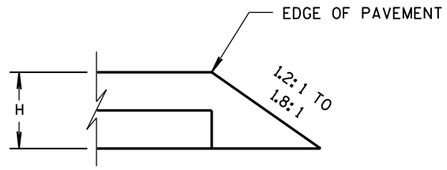
6

SDD 14B28 - 04a



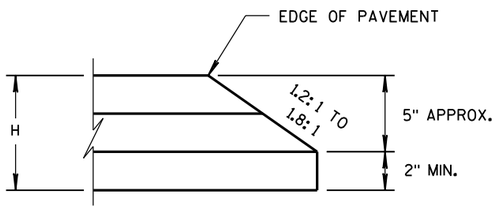
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



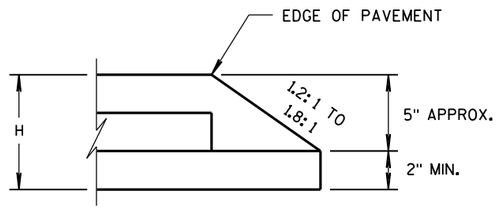
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

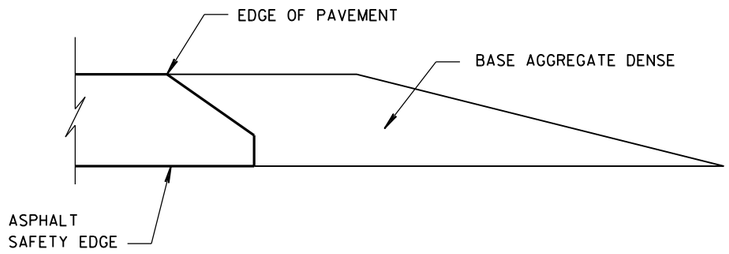
FOR H GREATER THAN 5"



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.

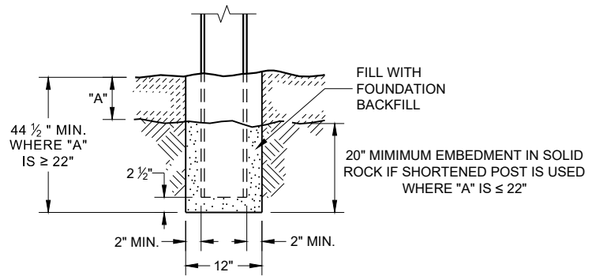
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

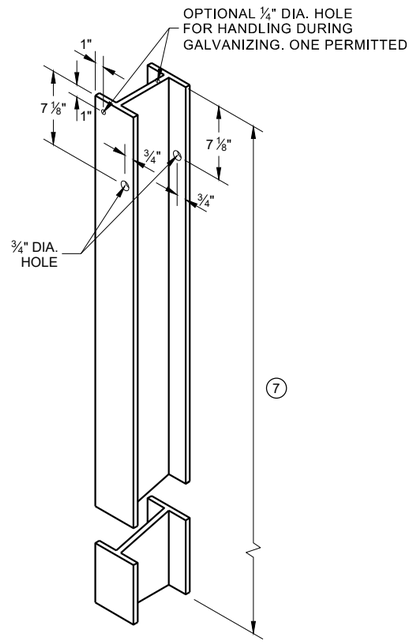
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

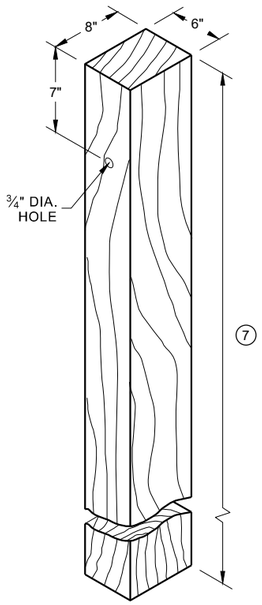
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



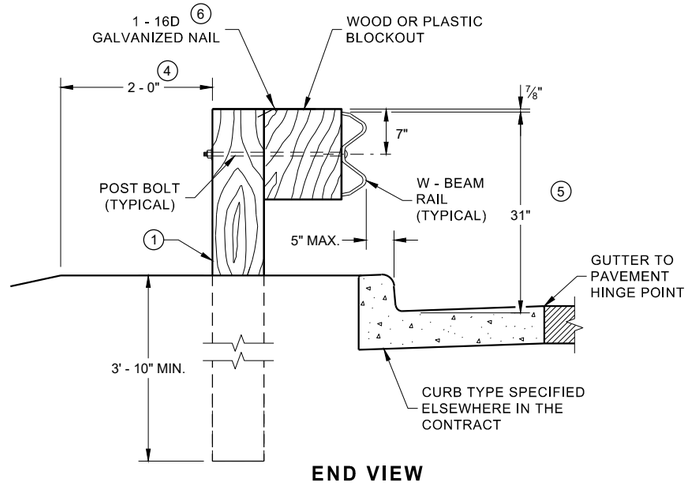
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



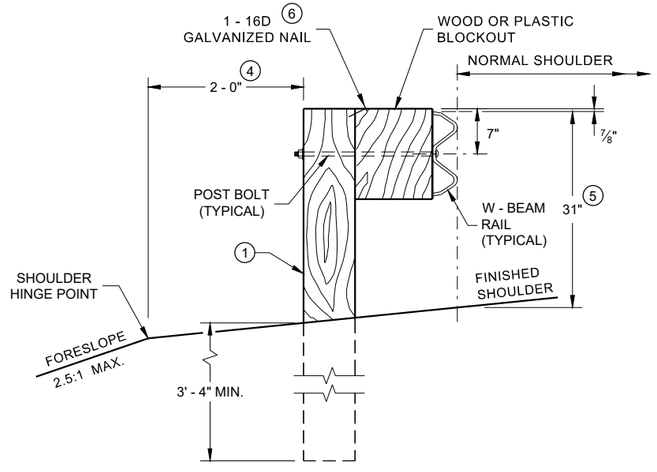
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



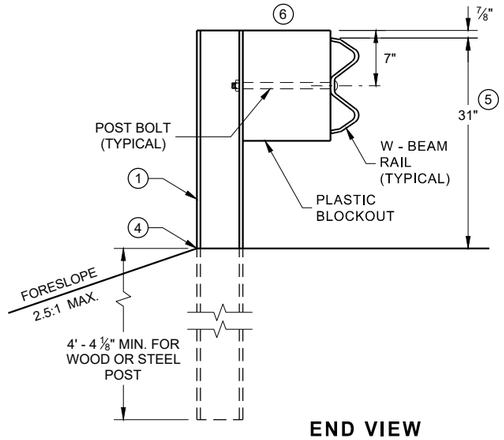
WOOD POST (6" X 8") NOMINAL (1)



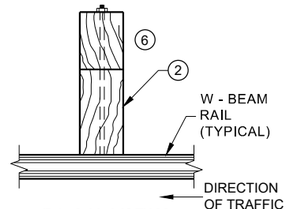
END VIEW
LOCATED ALONG A CURBED ROADWAY



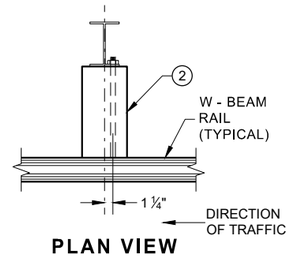
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



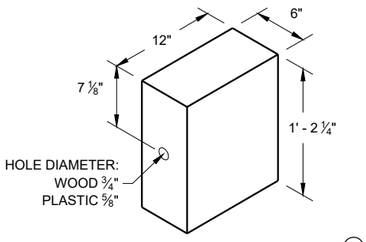
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

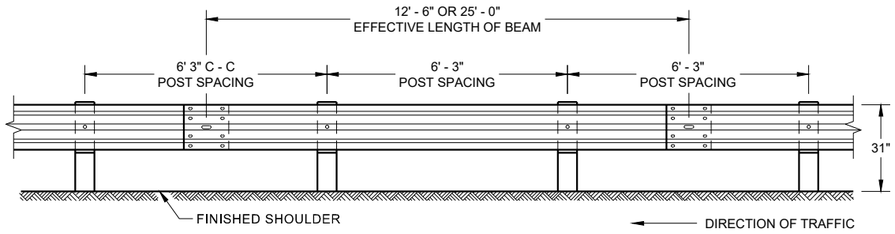
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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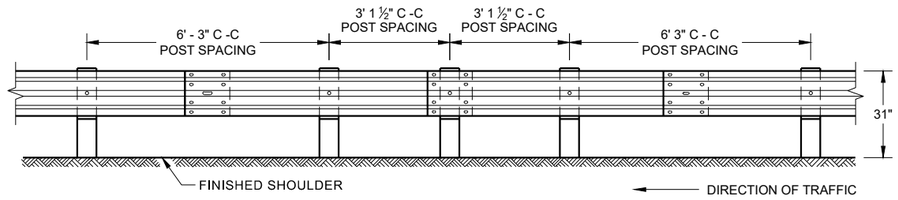
SDD 14B42 - 07a

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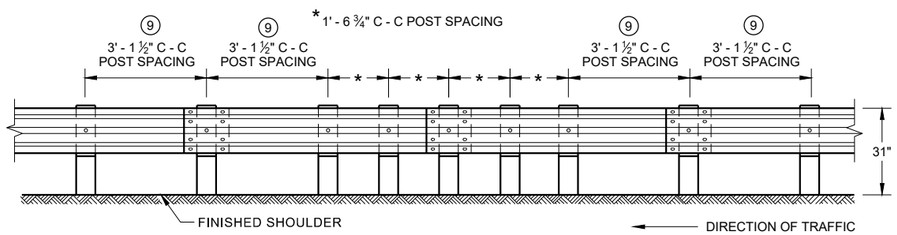
SDD 14B42 - 07a



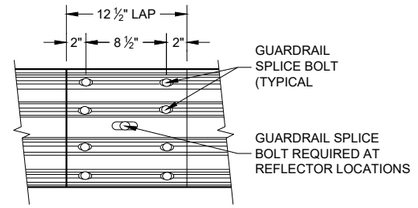
FRONT VIEW
POST SPACING STANDARD INSTALLATION



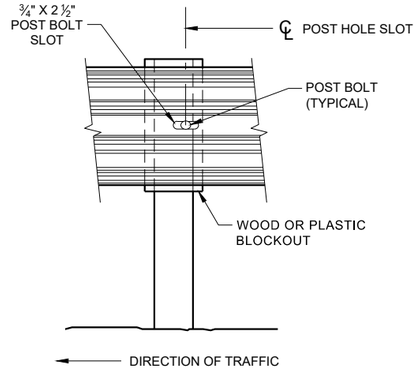
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



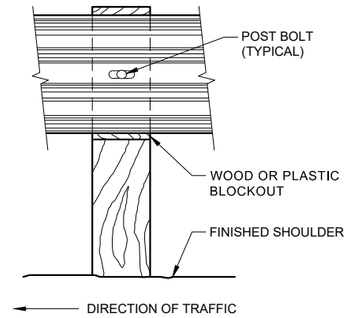
FRONT VIEW
QUARTER POST SPACING (QS)



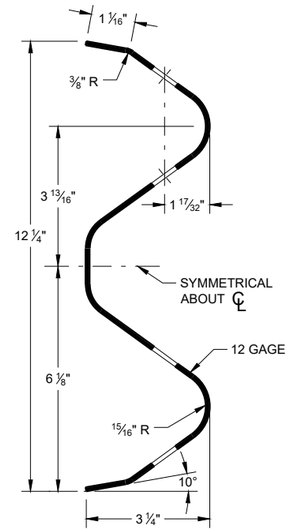
FRONT VIEW
MID-SPAN BEAM SPLICE



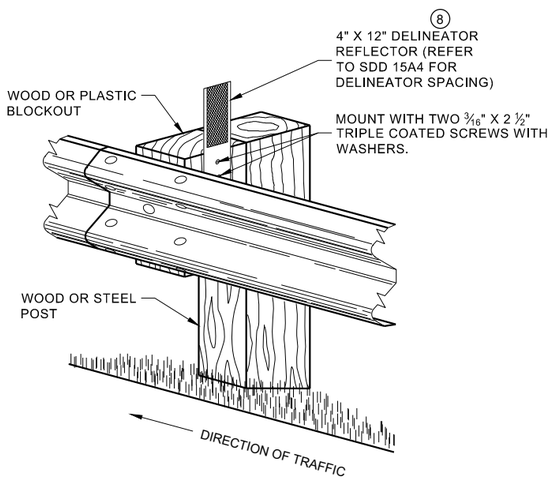
FRONT VIEW AT STEEL POST



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.

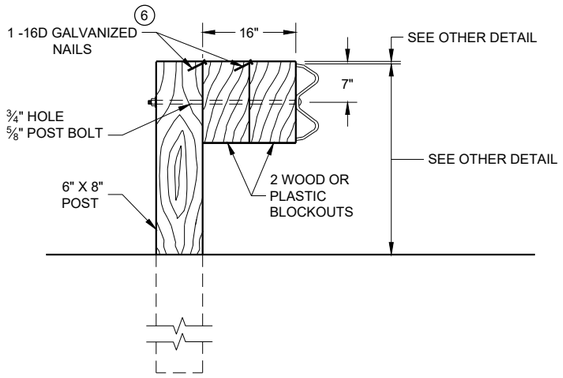
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07b
SDD 14B42 - 07b

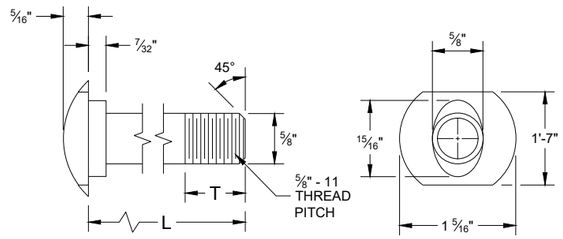


DETAIL FOR 16" BLOCKOUT DEPTH

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.

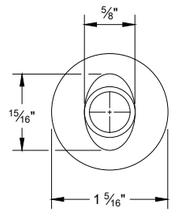
NOTE:

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.

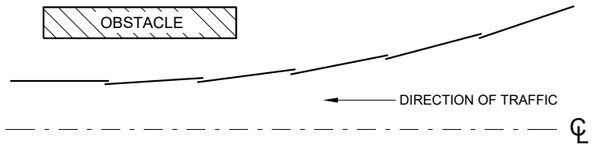


POST BOLT TABLE

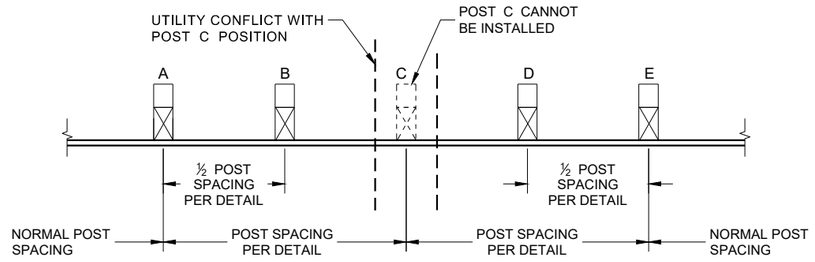
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



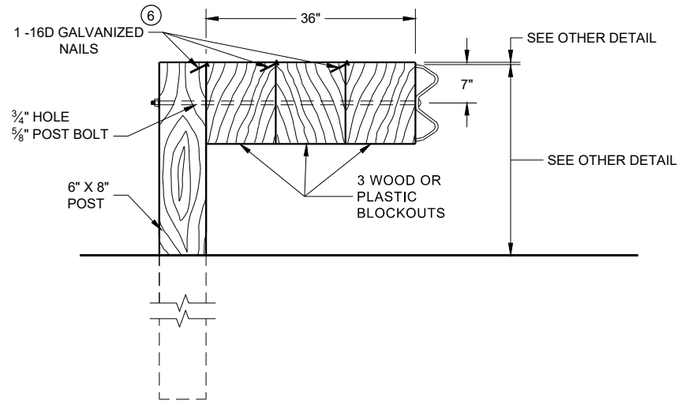
ALTERNATE BOLT HEAD



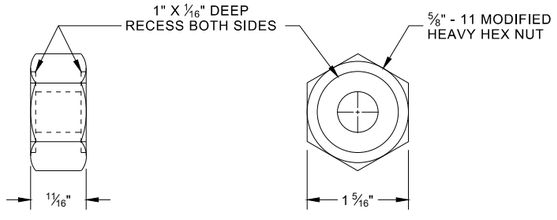
PLAN VIEW
BEAM LAPPING DETAIL



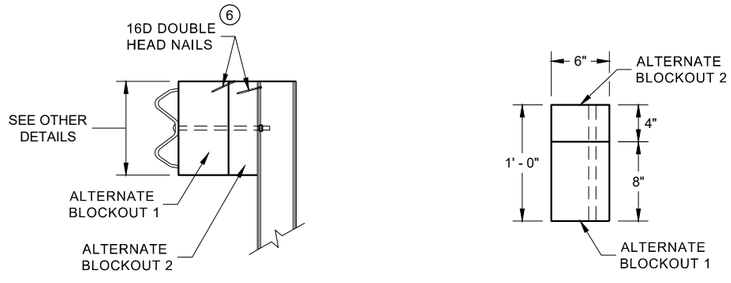
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

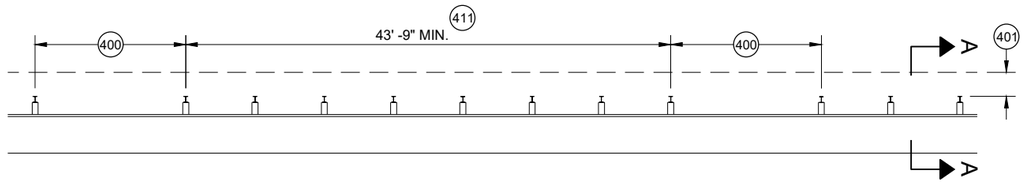
ALTERNATE WOOD BLOCKOUT DETAIL

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.

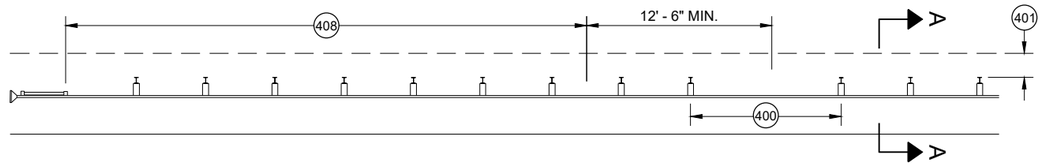
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(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.

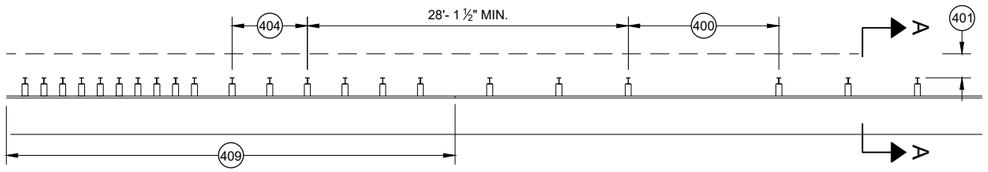
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



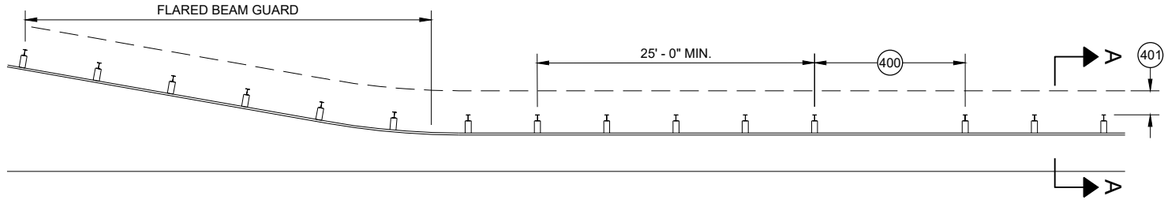
MISSING POST IN MGS GUARDRAIL



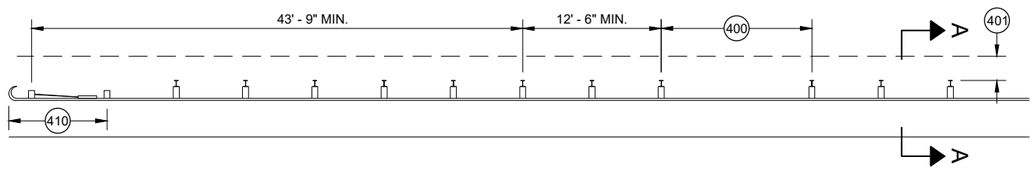
MISSING POST IN MGS GUARDRAIL NEAR EAT



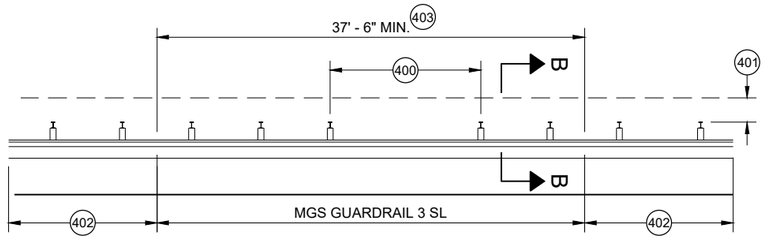
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

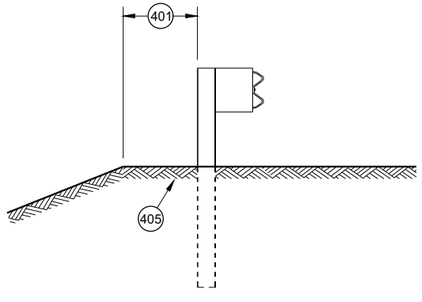


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

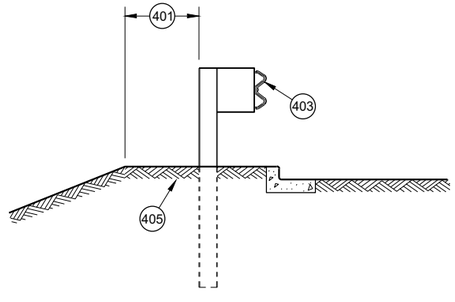


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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.

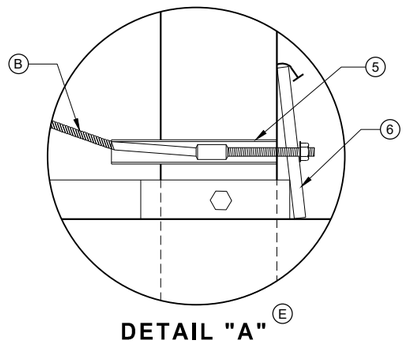
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

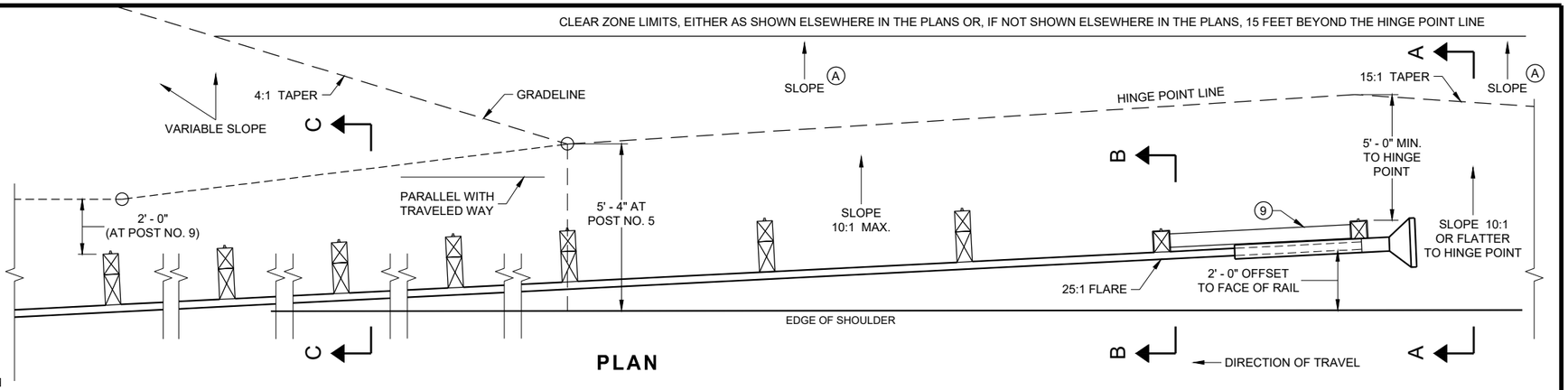
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

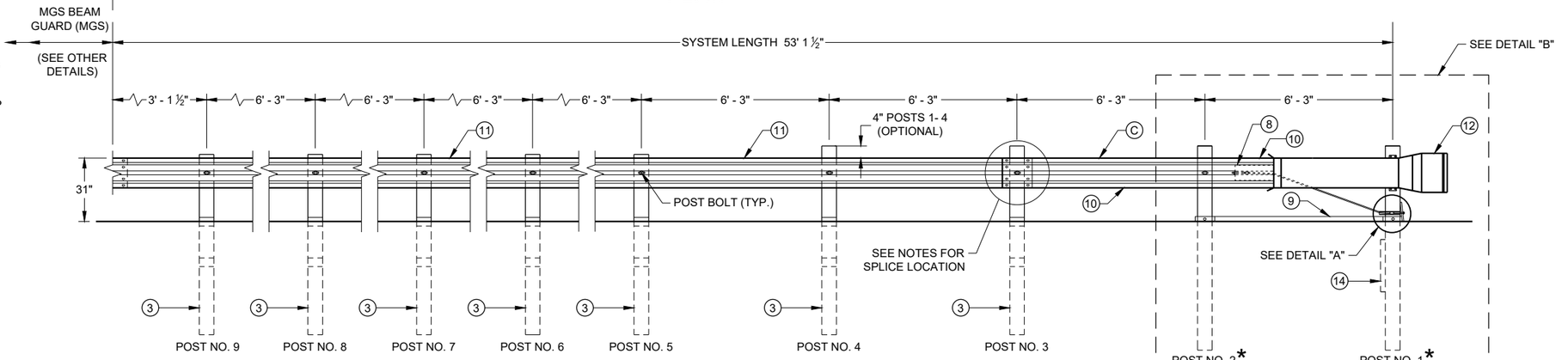
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



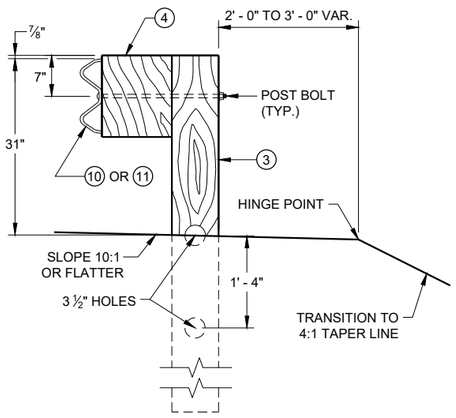
DETAIL "A" (E)



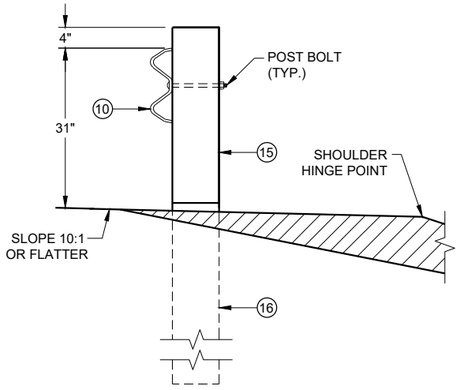
PLAN



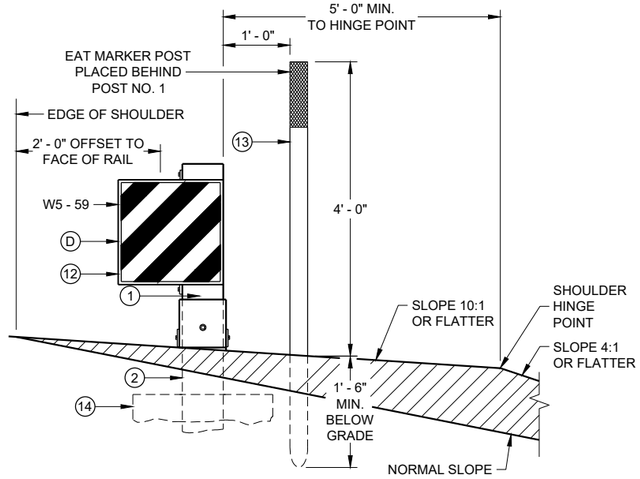
ELEVATION



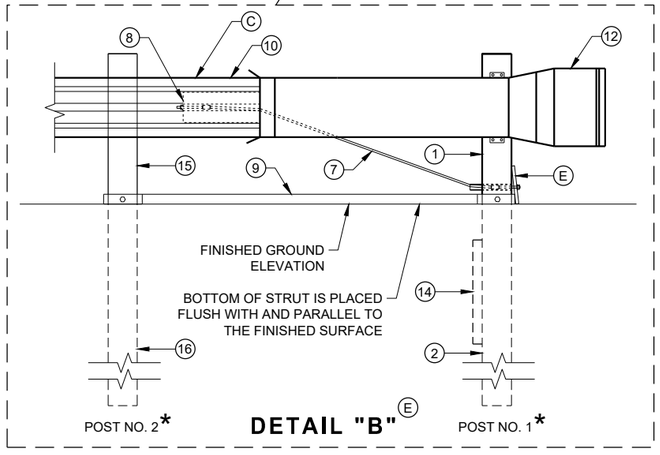
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



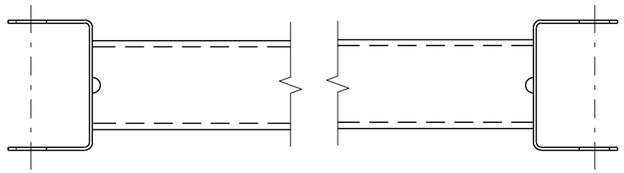
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

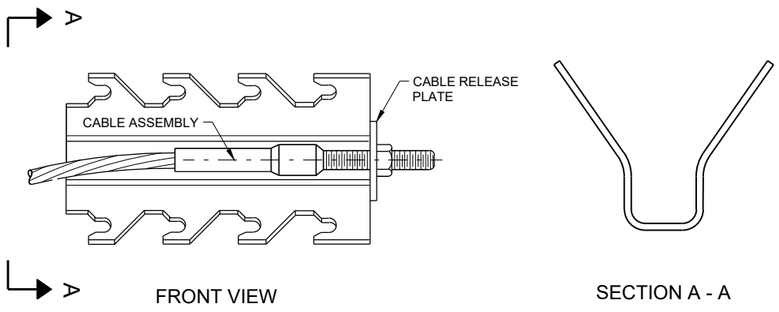
SDD 14B44 - 04a



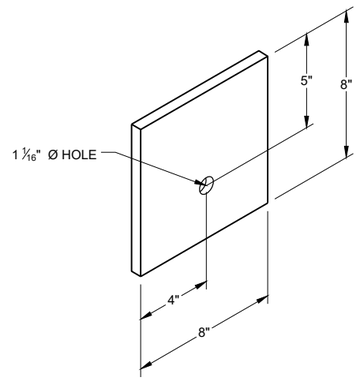
GENERIC GROUND STRUT (9) (E)

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) (E)



BEARING PLATE (6) (E)

6

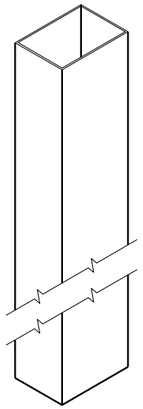
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SDD 14B44 - 04b

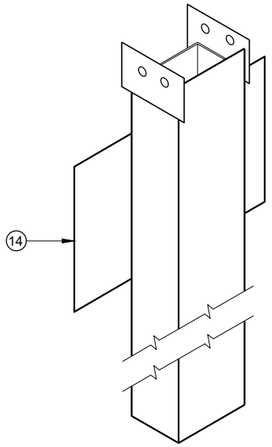
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

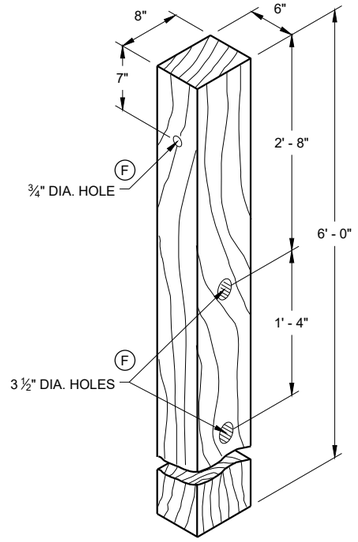
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



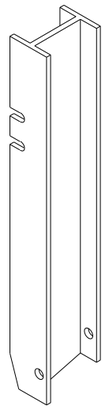
UPPER POST NO. 1 (1) (E)



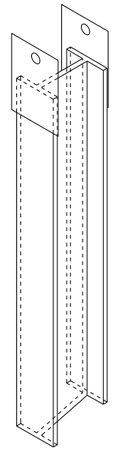
LOWER POST NO. 1 (2) (E)



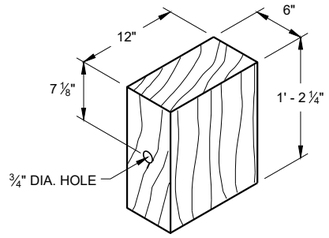
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



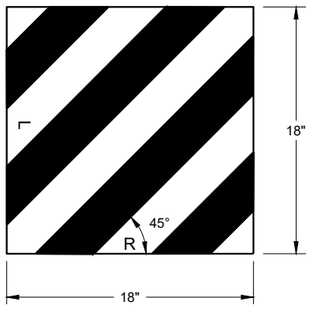
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

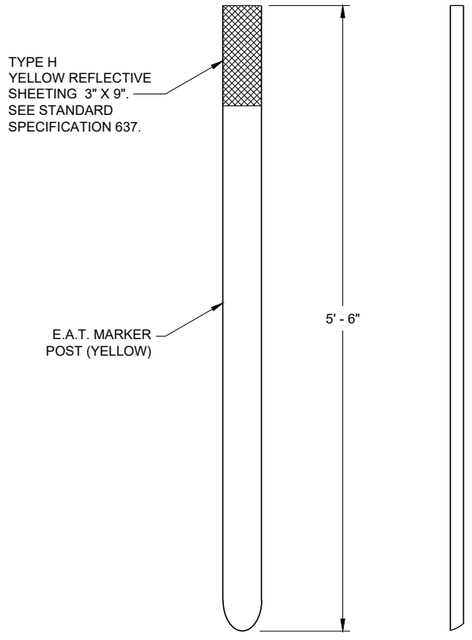


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



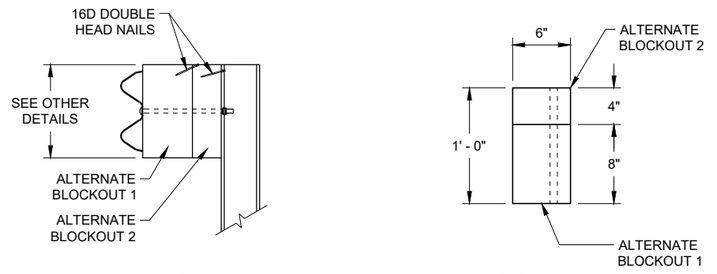
W5 - 59

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)

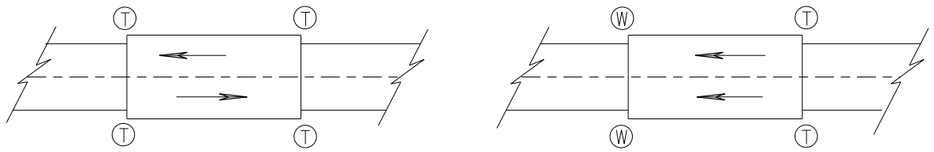
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

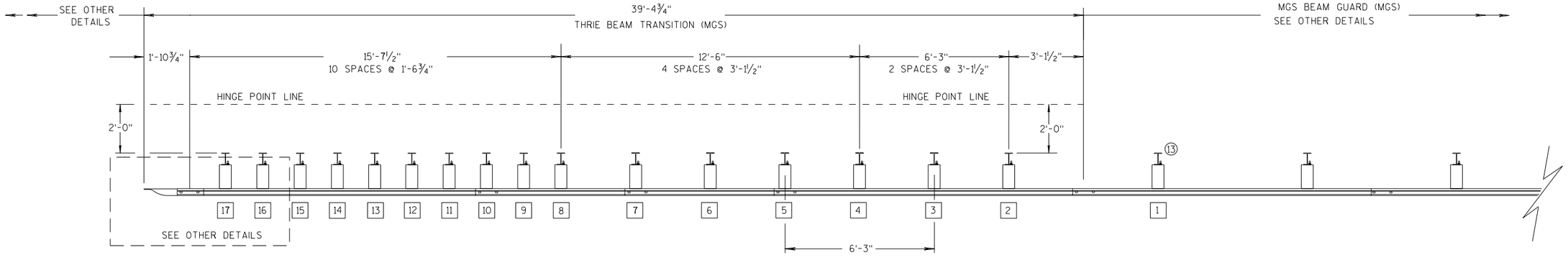
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

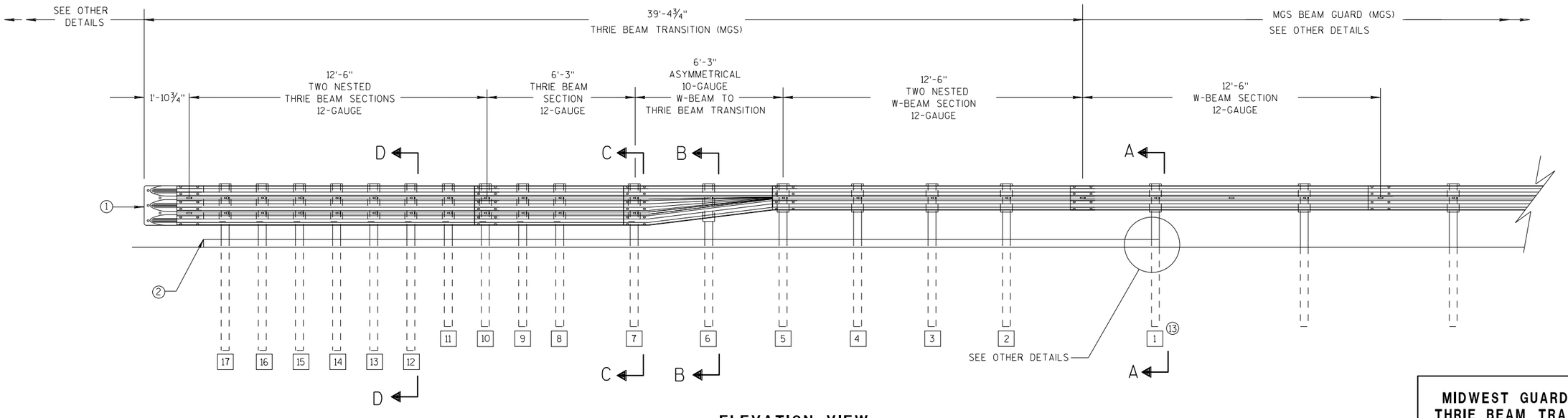
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(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

6

S.D.D. 14 B 45-5a

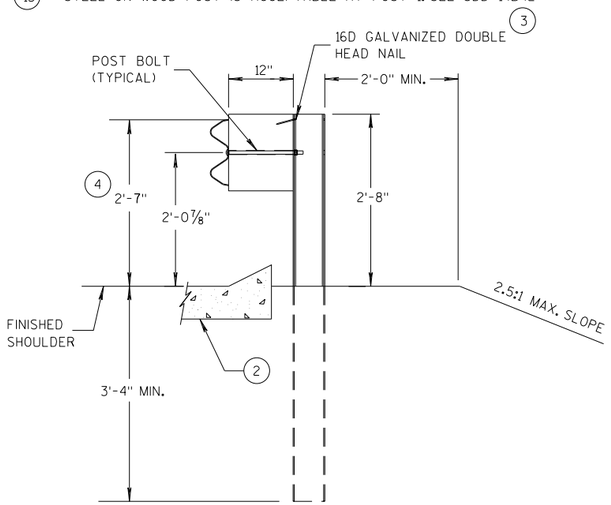
GENERAL NOTES

(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.

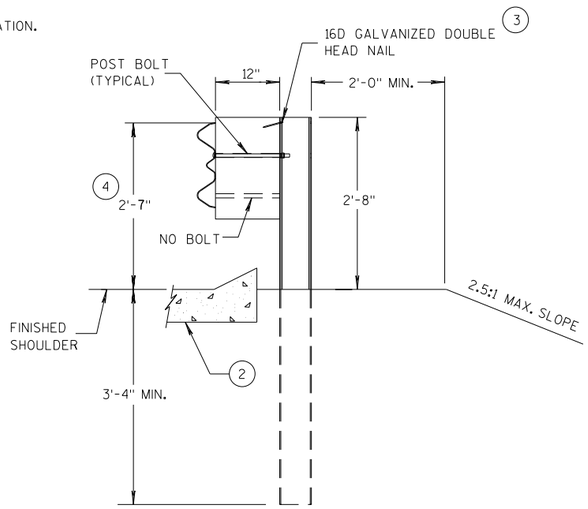
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



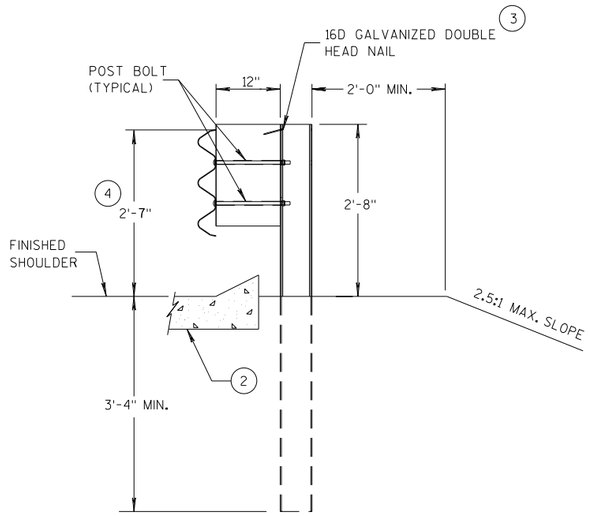
SECTION A-A (13)

POSTS 1-5



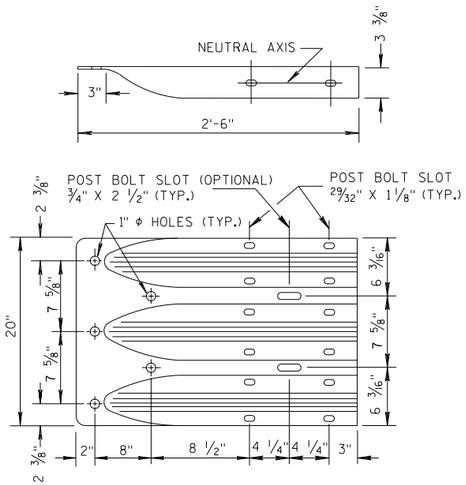
SECTION B-B

POST 6

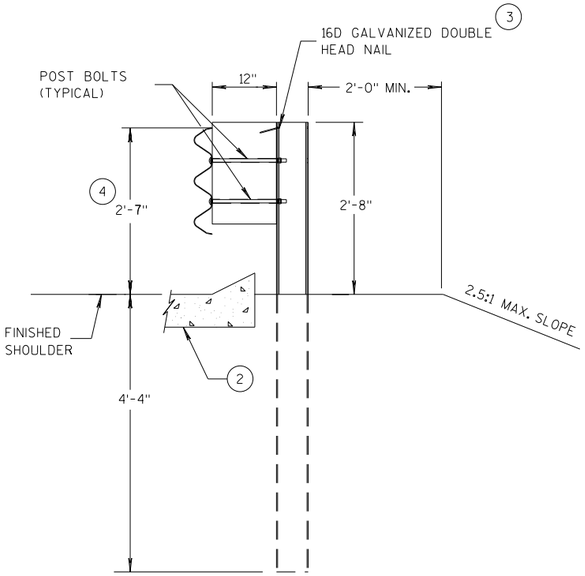


SECTION C-C

POSTS 7-11

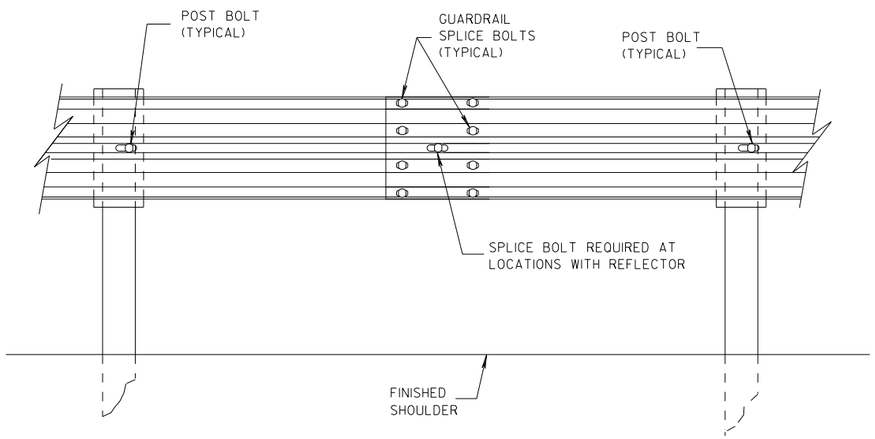


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

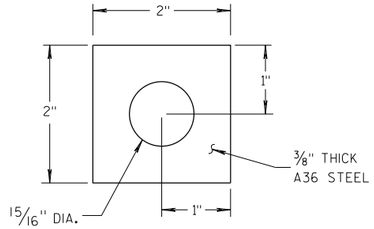
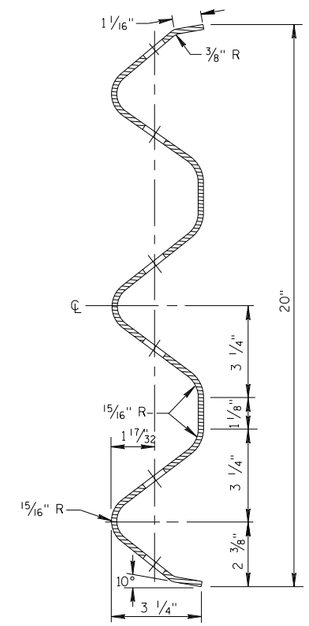


PLATE WASHER DETAIL



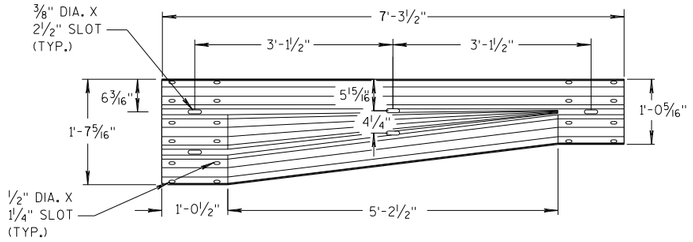
SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

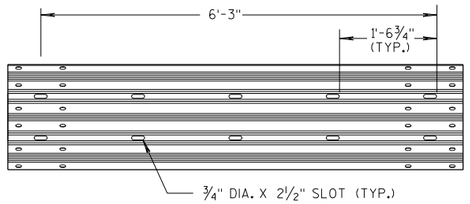
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF

6

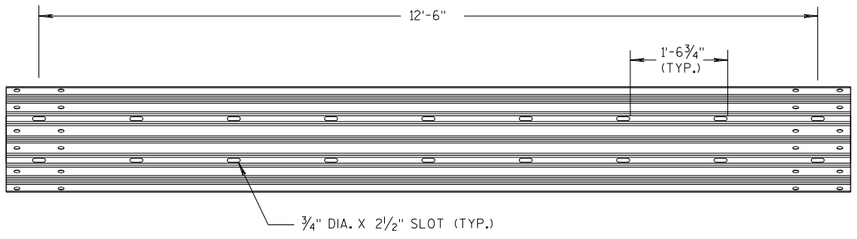
S.D.D. 14 B 45-5b



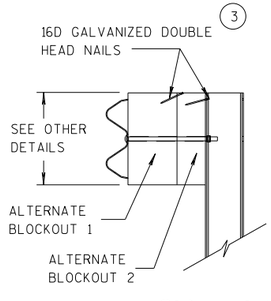
W-BEAM TO THRIE BEAM TRANSITION SECTION



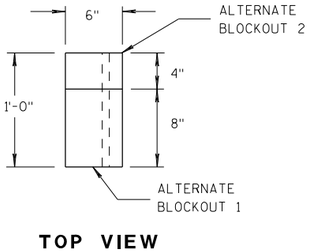
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

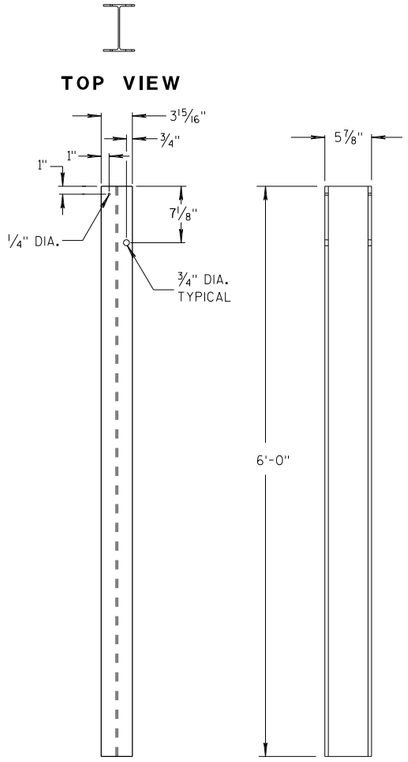


SIDE VIEW



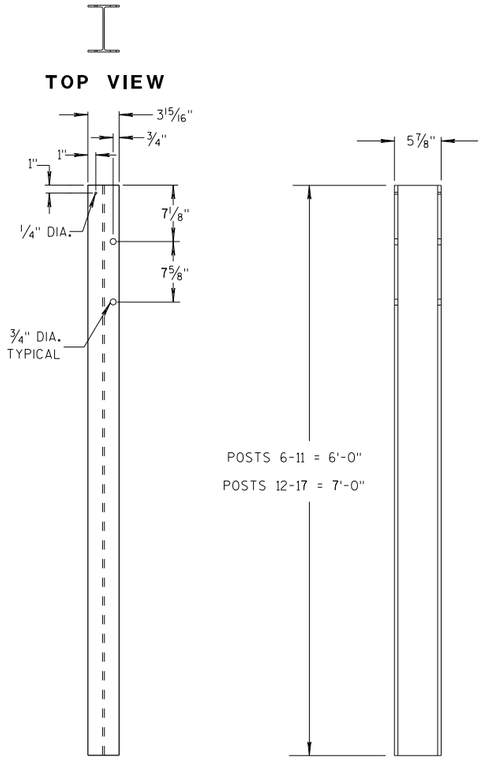
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



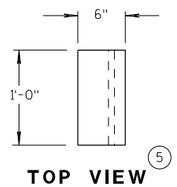
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

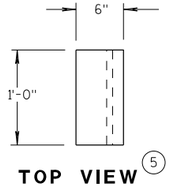


FRONT VIEW SIDE VIEW

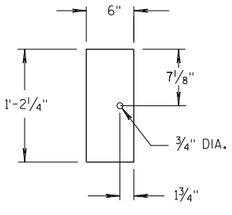
STEEL POSTS 6-17



TOP VIEW (5)

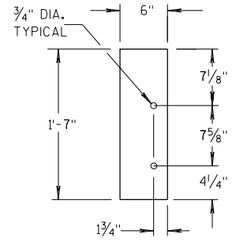


TOP VIEW (5)



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.

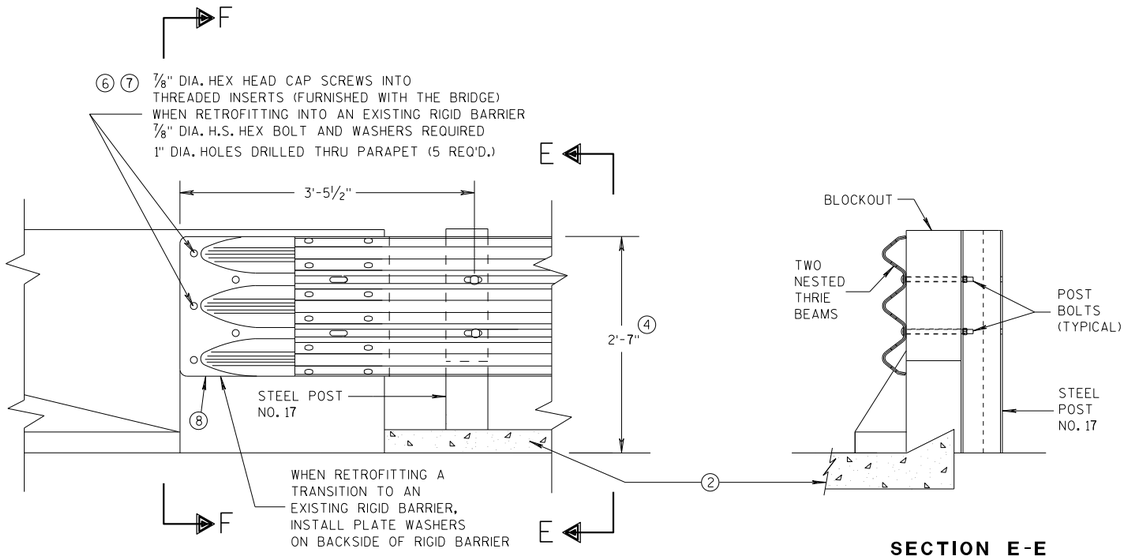
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(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 321

6
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

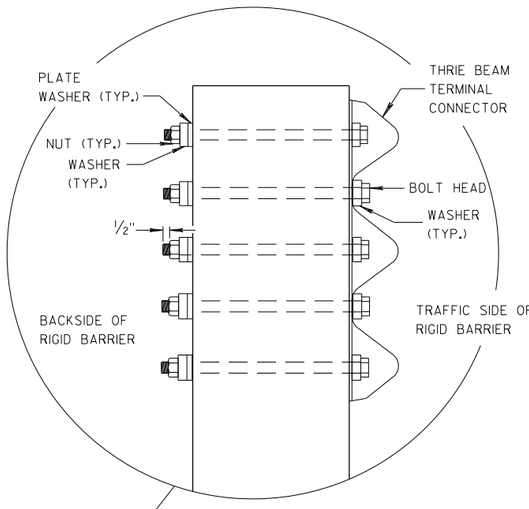
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

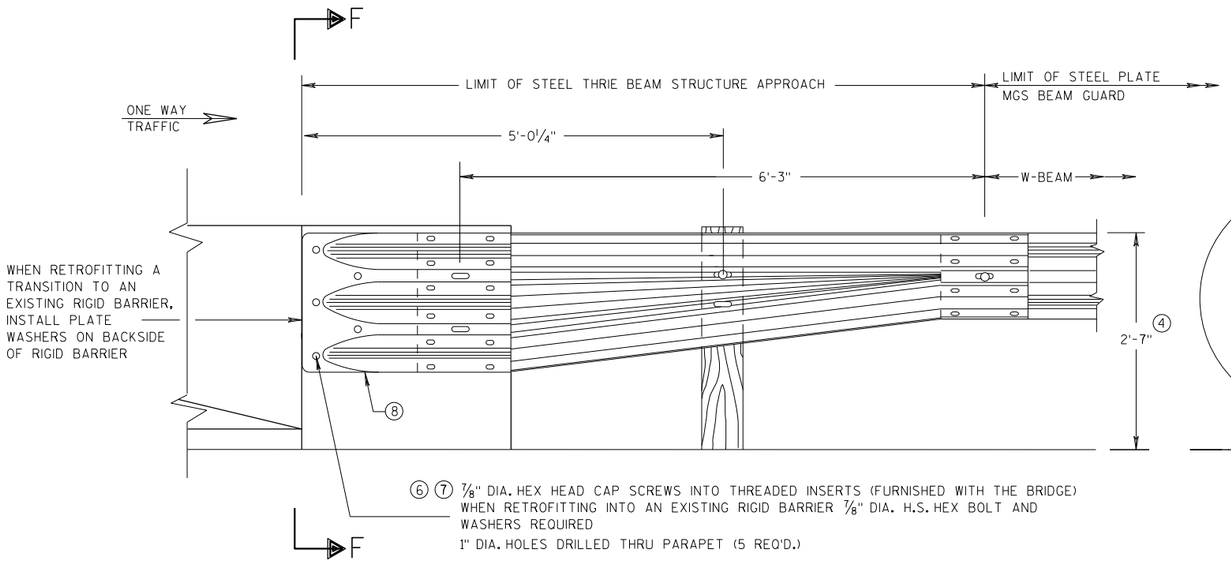
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

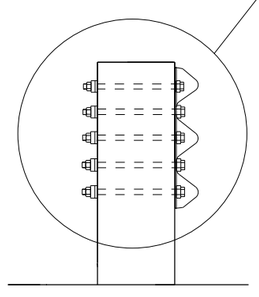
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

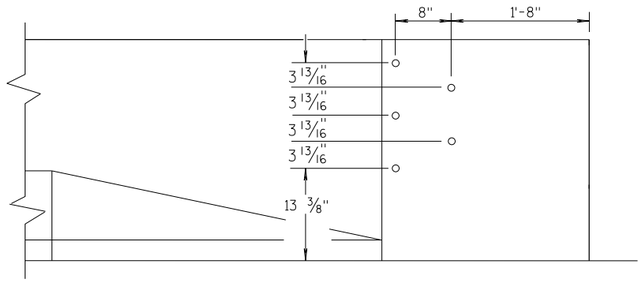




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D[illegible] UNIT SUPERVIS[illegible]
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S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

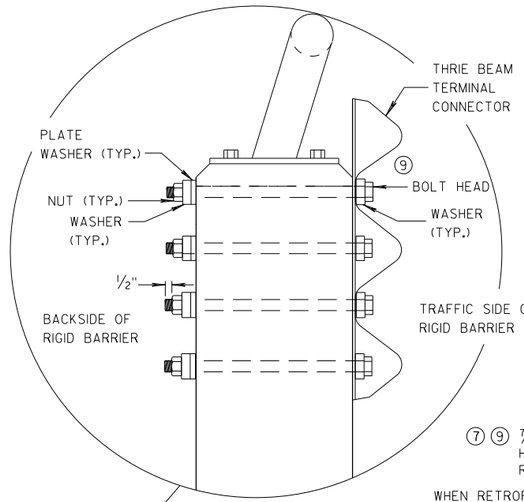
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

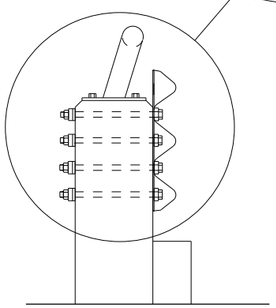
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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.

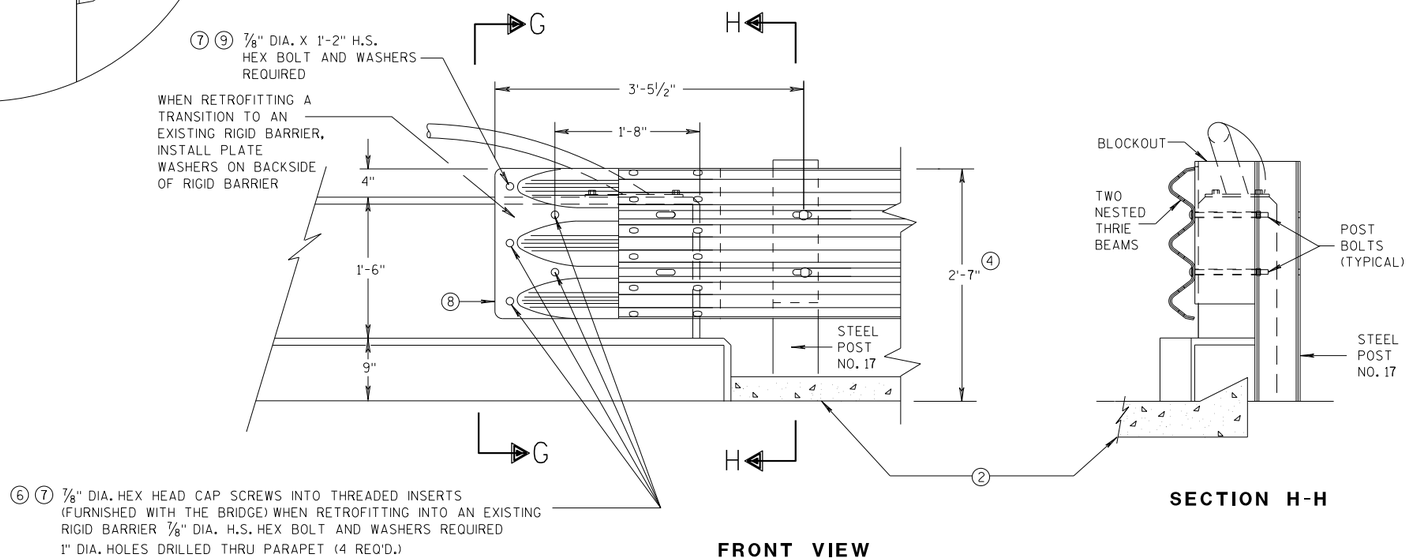
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





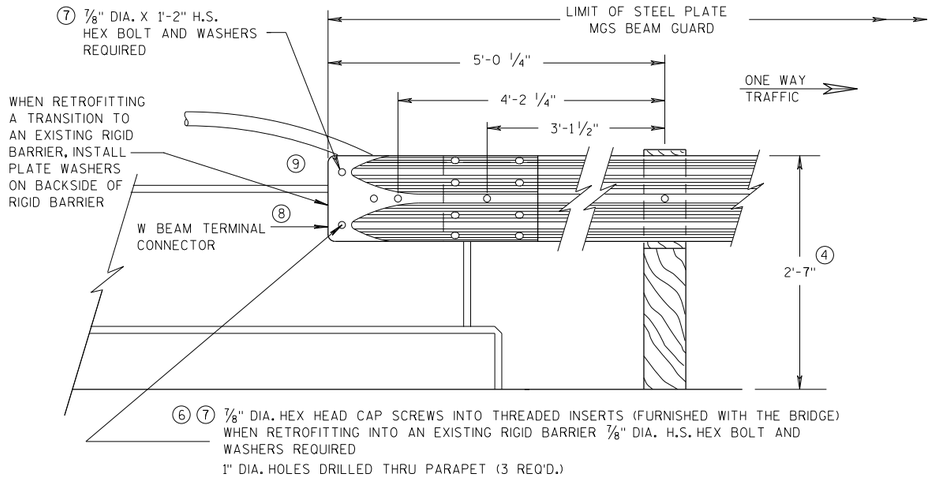
SECTION G-G



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

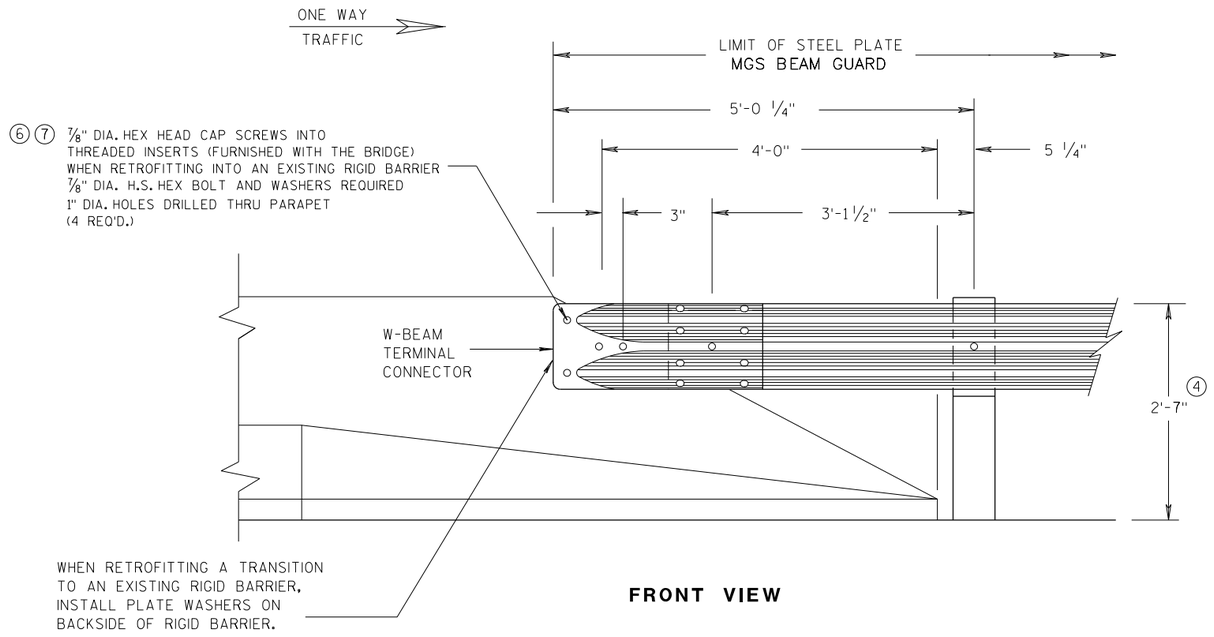
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S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

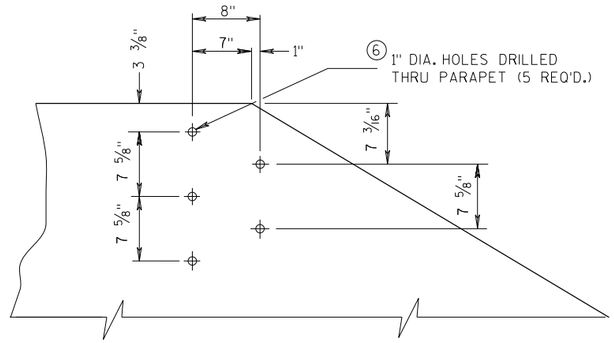
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

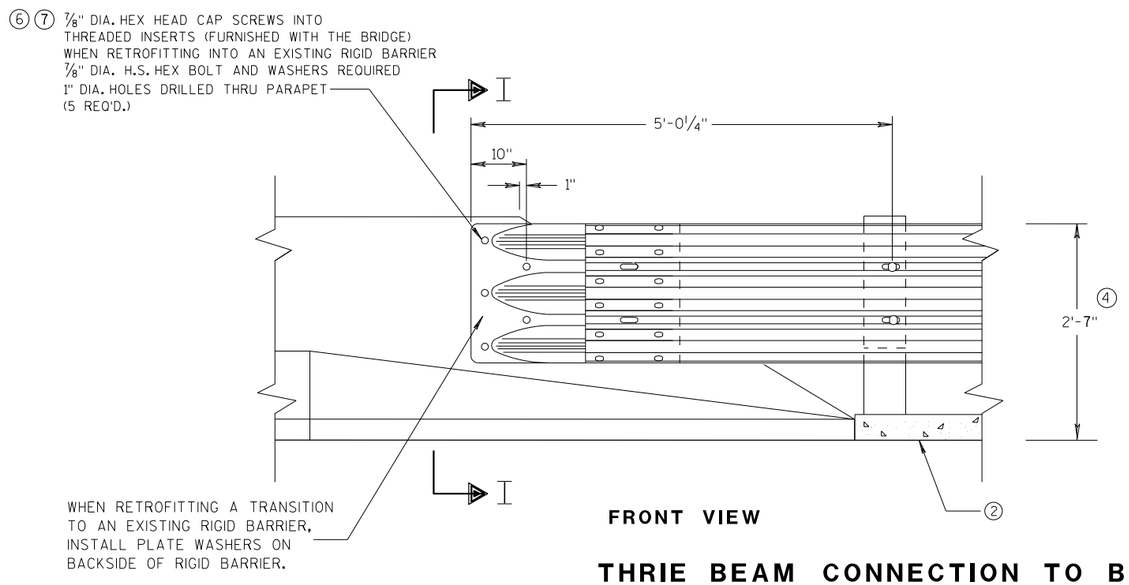
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

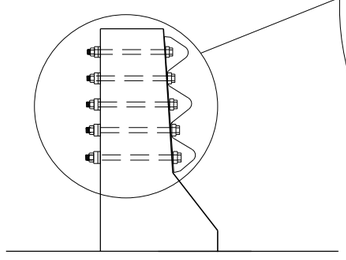
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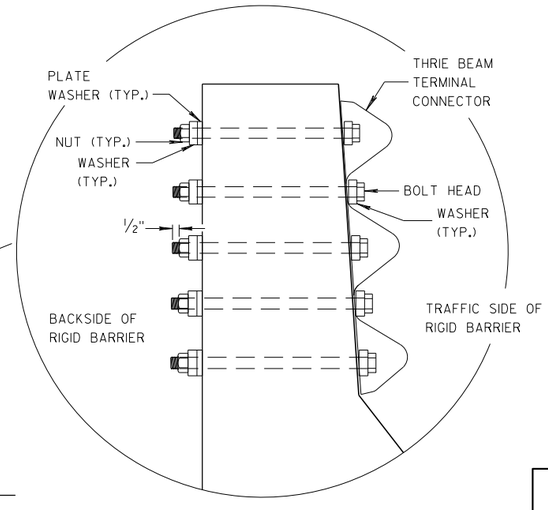
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



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

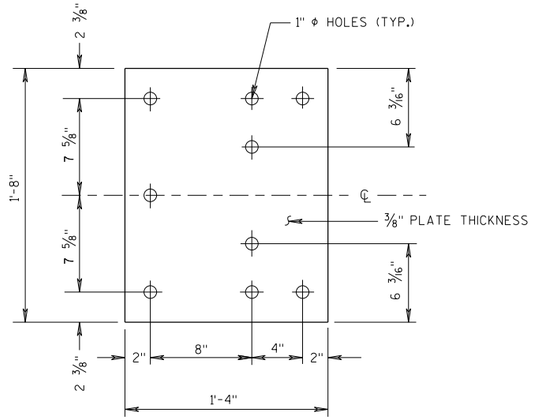
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07/2018 — DATE
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FHWA

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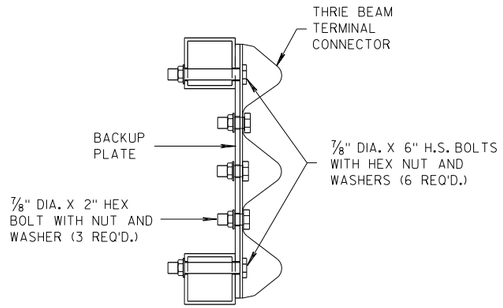
S.D.D. 14 B 45-5f

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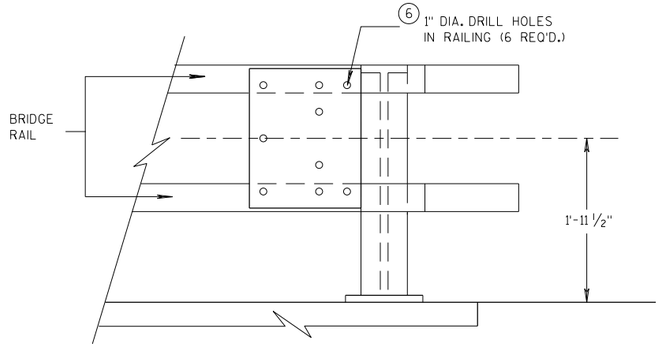
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

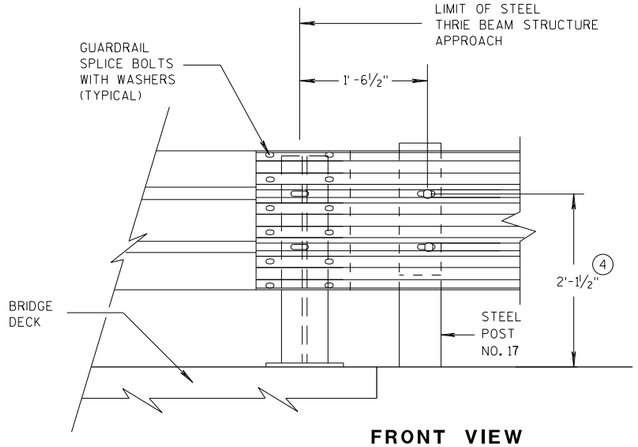


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

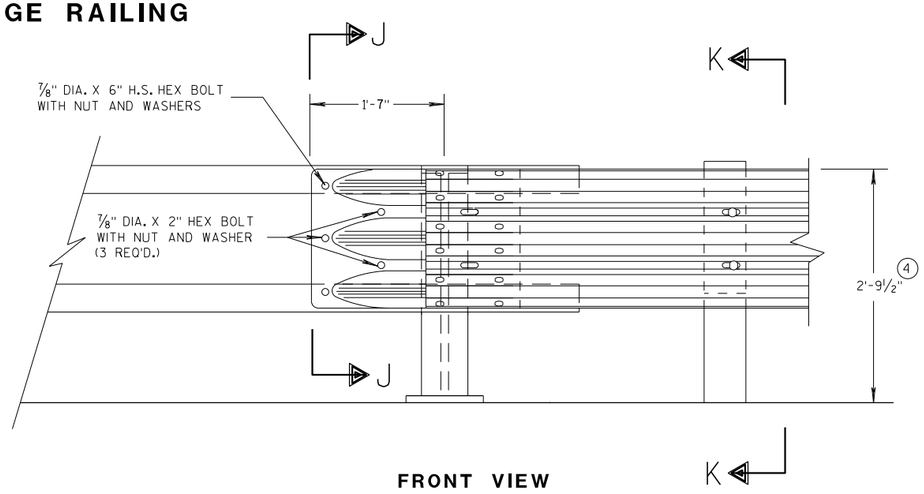
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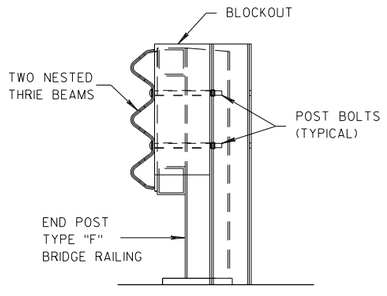


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor 325
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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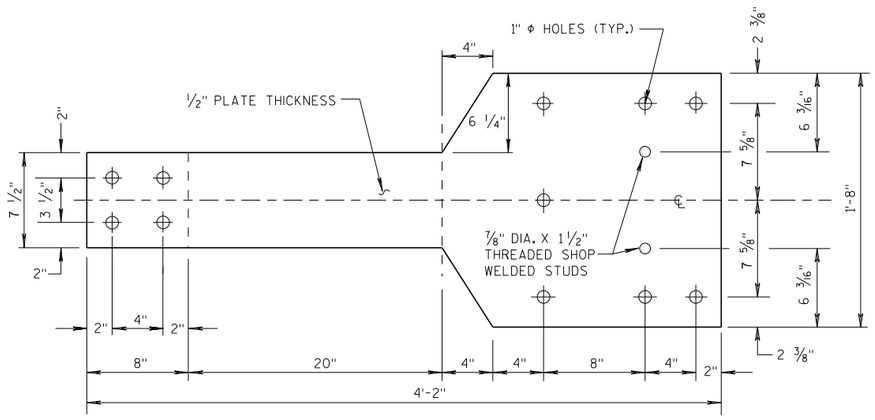
S.D.D. 14 B 45-5g

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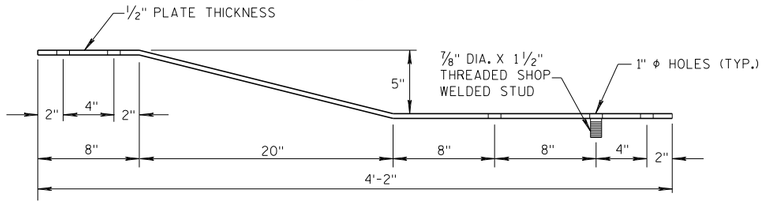
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

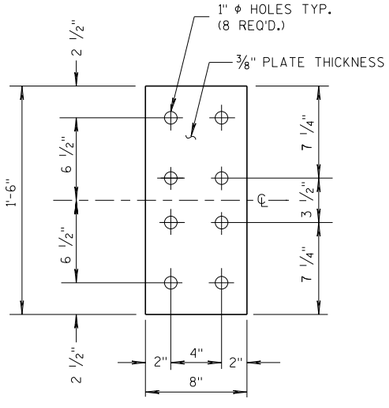


FRONT VIEW



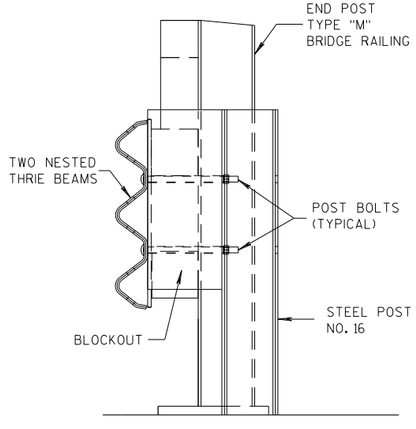
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

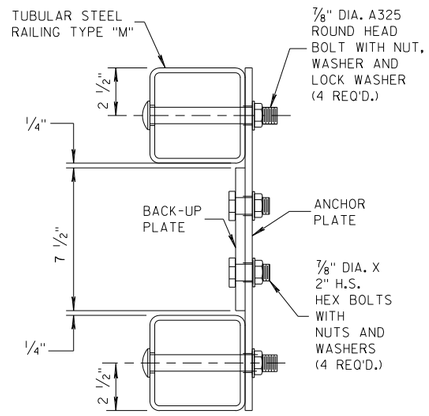


FRONT VIEW

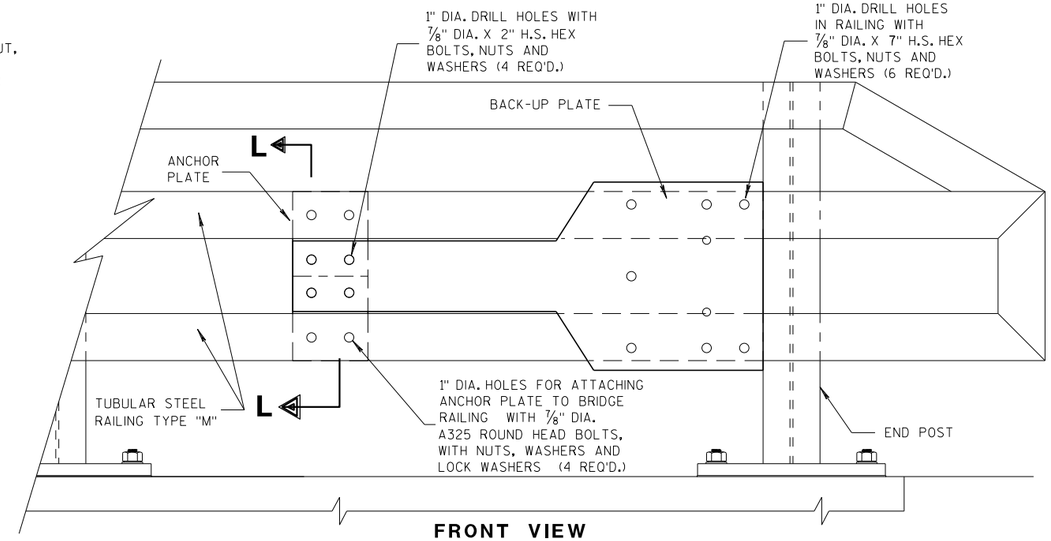
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

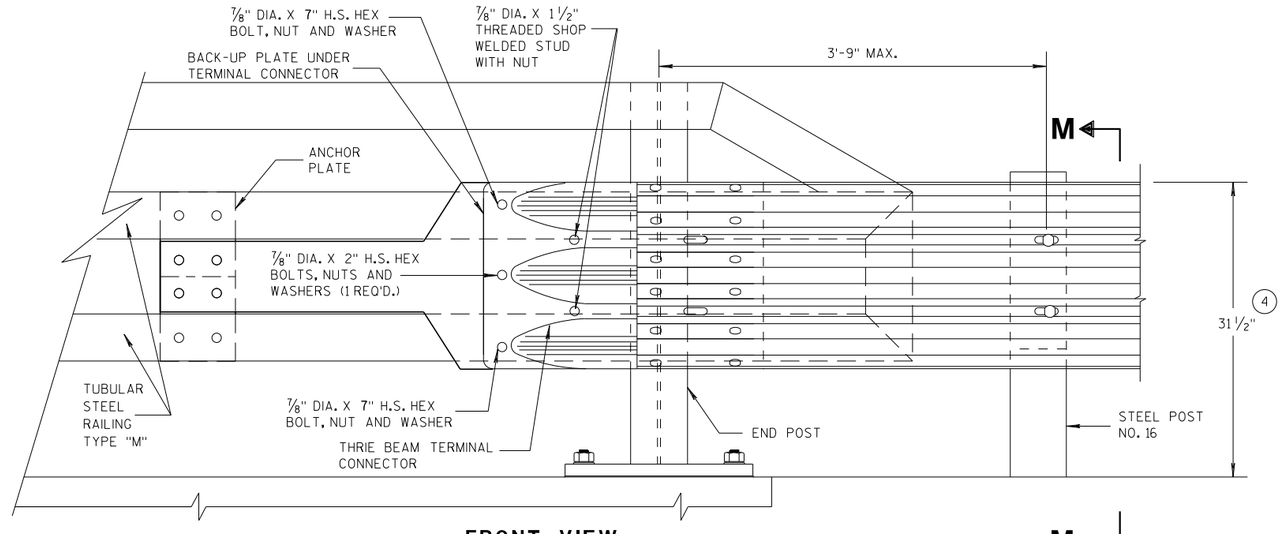


SECTION L-L

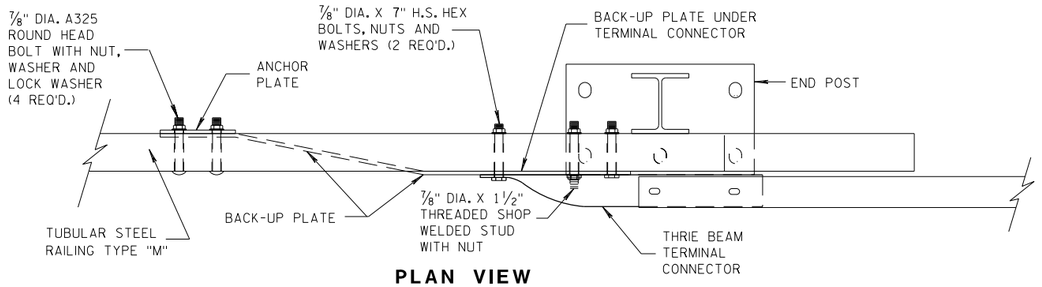


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
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GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

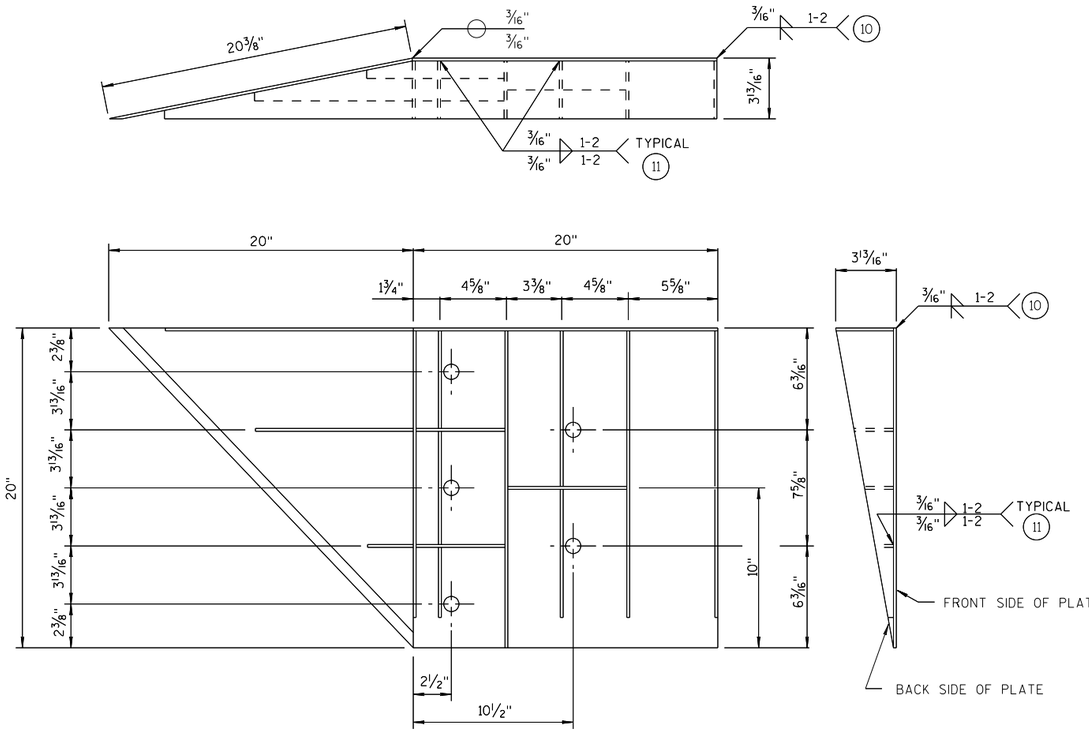
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

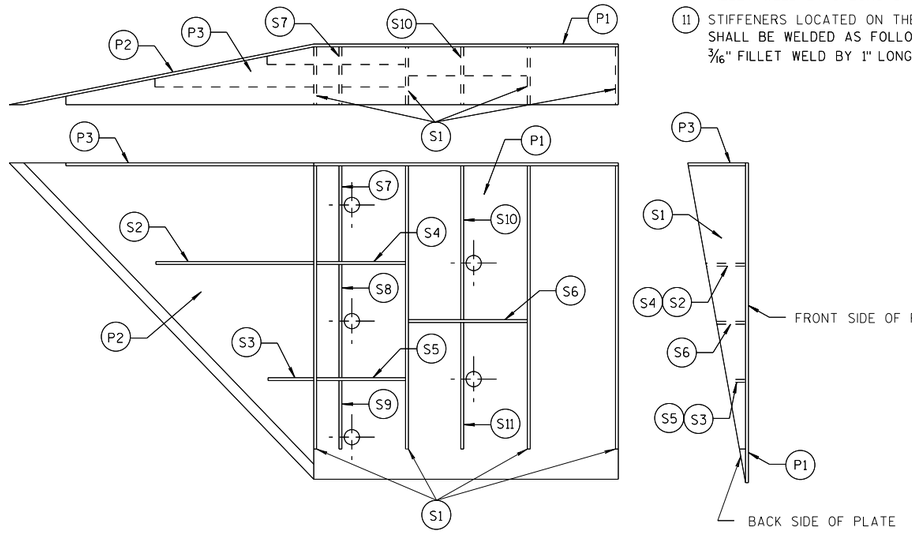


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

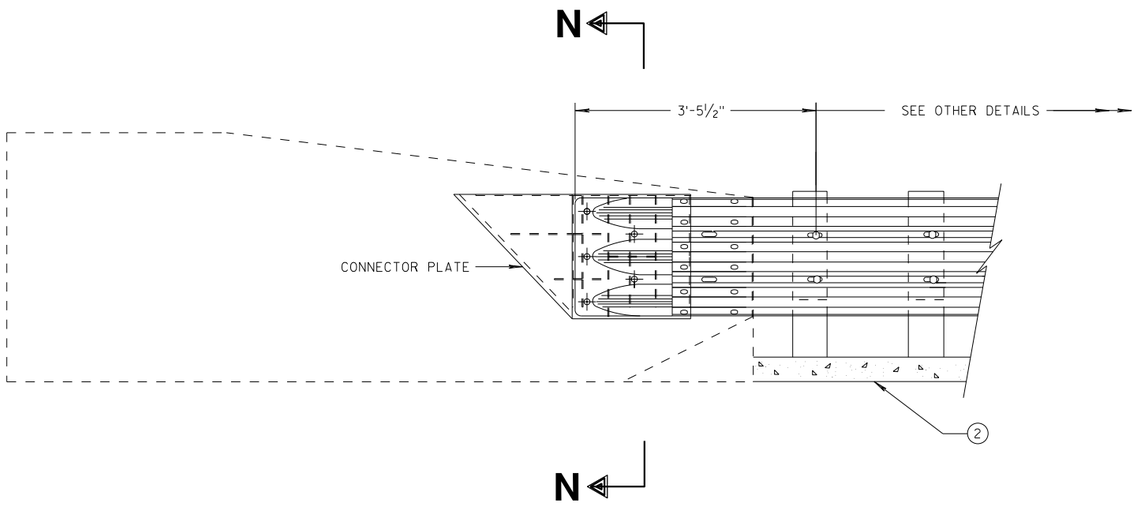
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7/2018
DATE
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ROADWAY STANDARDS I
UNIT SUPERVI

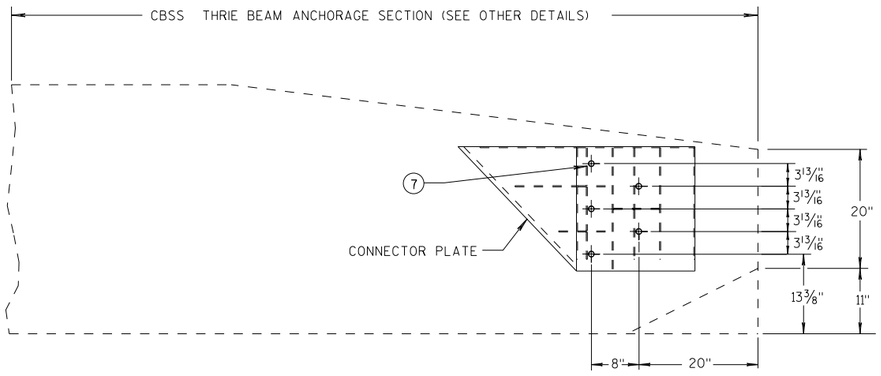
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S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



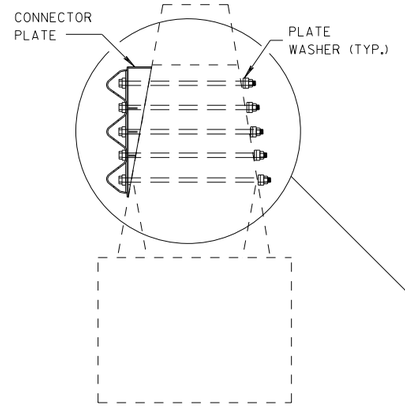
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

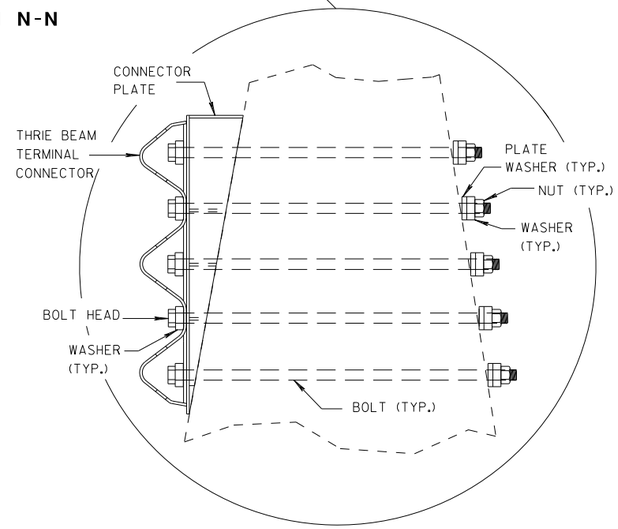
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(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.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

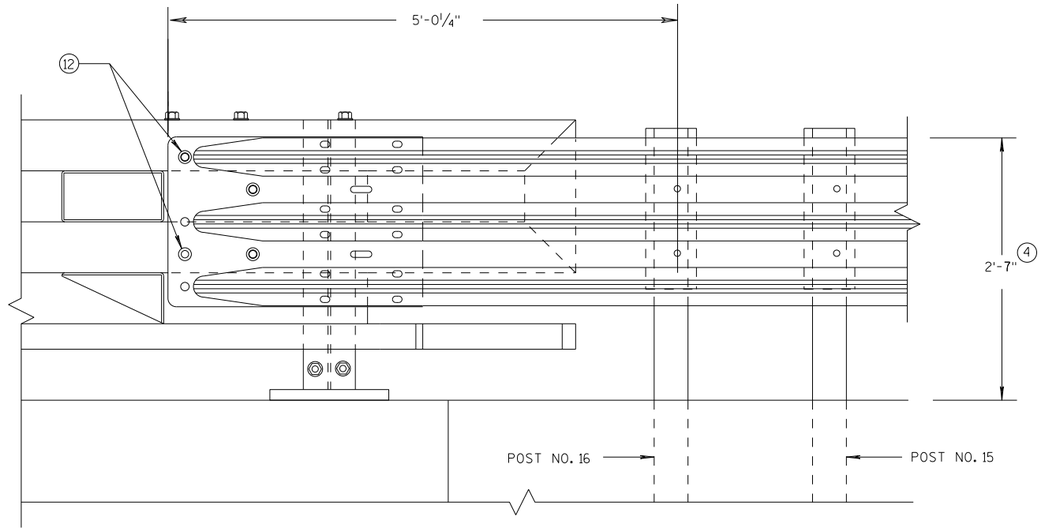
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DI[illegible]NT
UNIT SUPERVIS

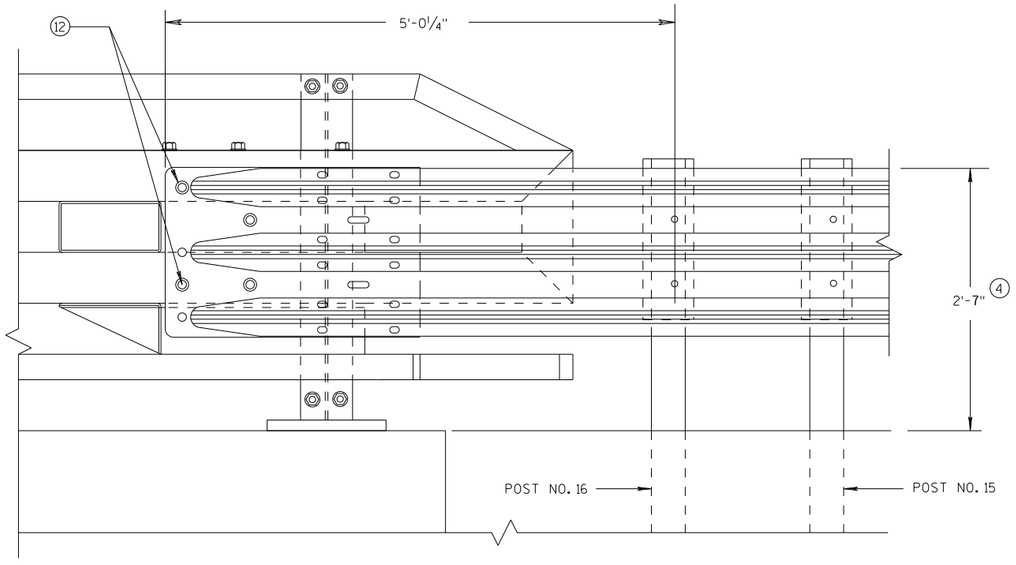
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S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) 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. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

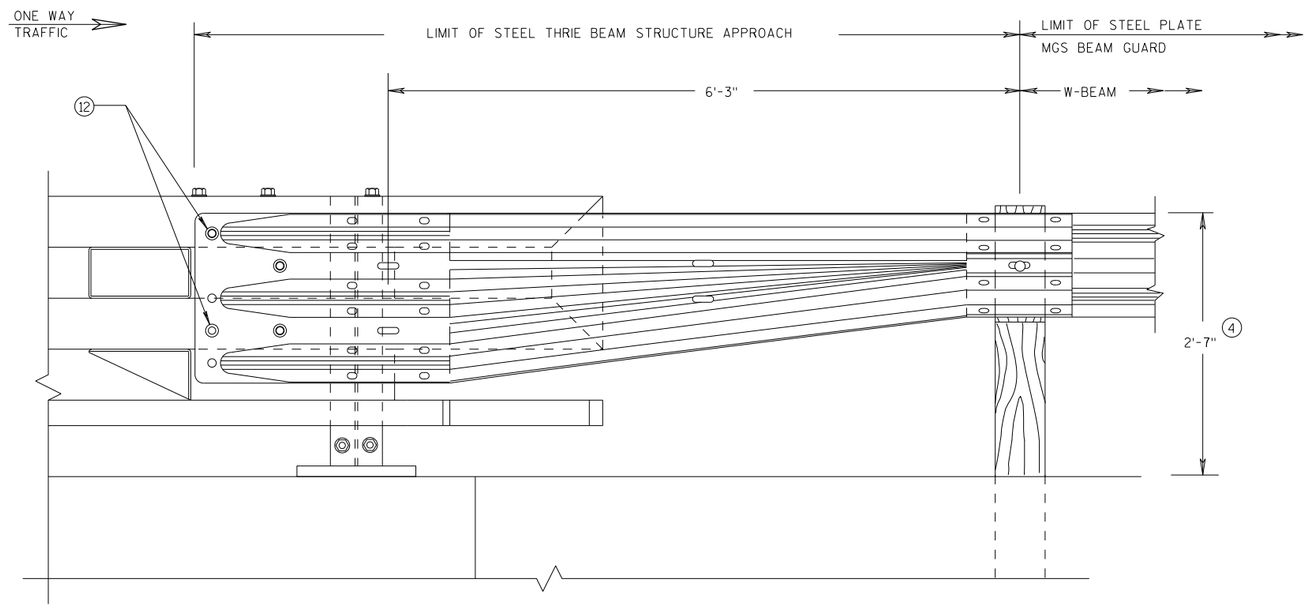
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6

S.D.D. 14 B 45-5k

6

S.D.D. 14 B 45-5k



FRONT VIEW

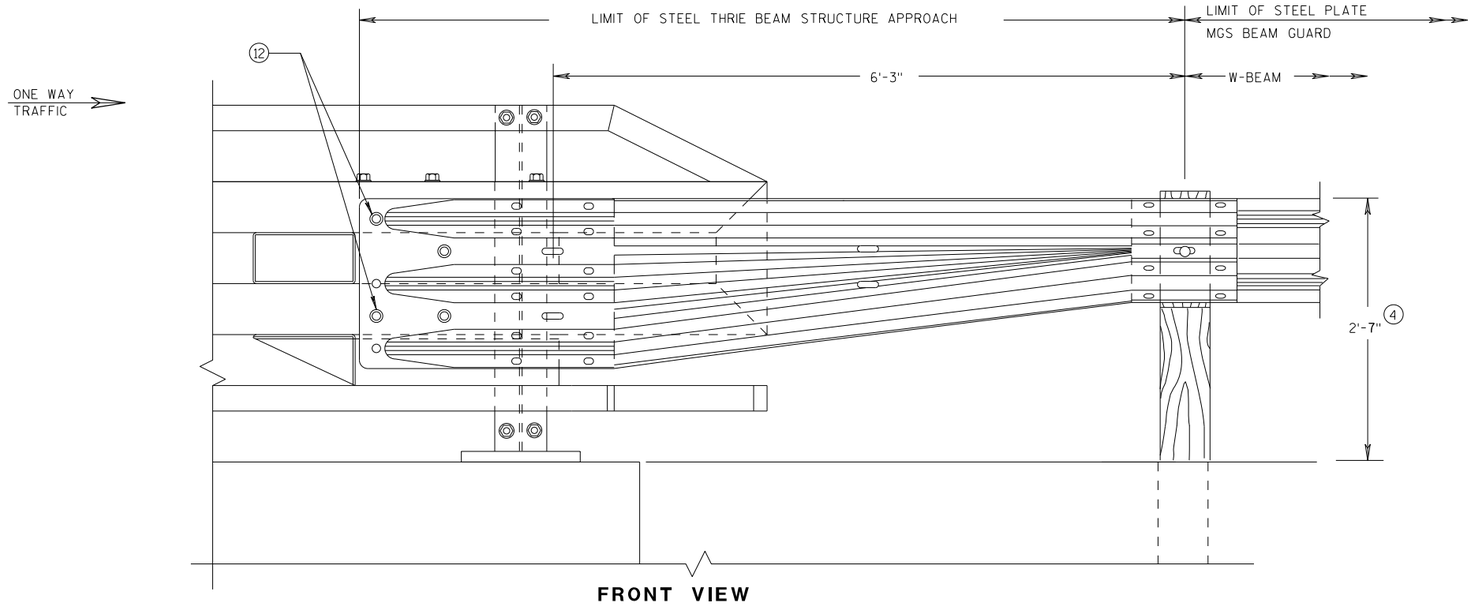
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) 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. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

330

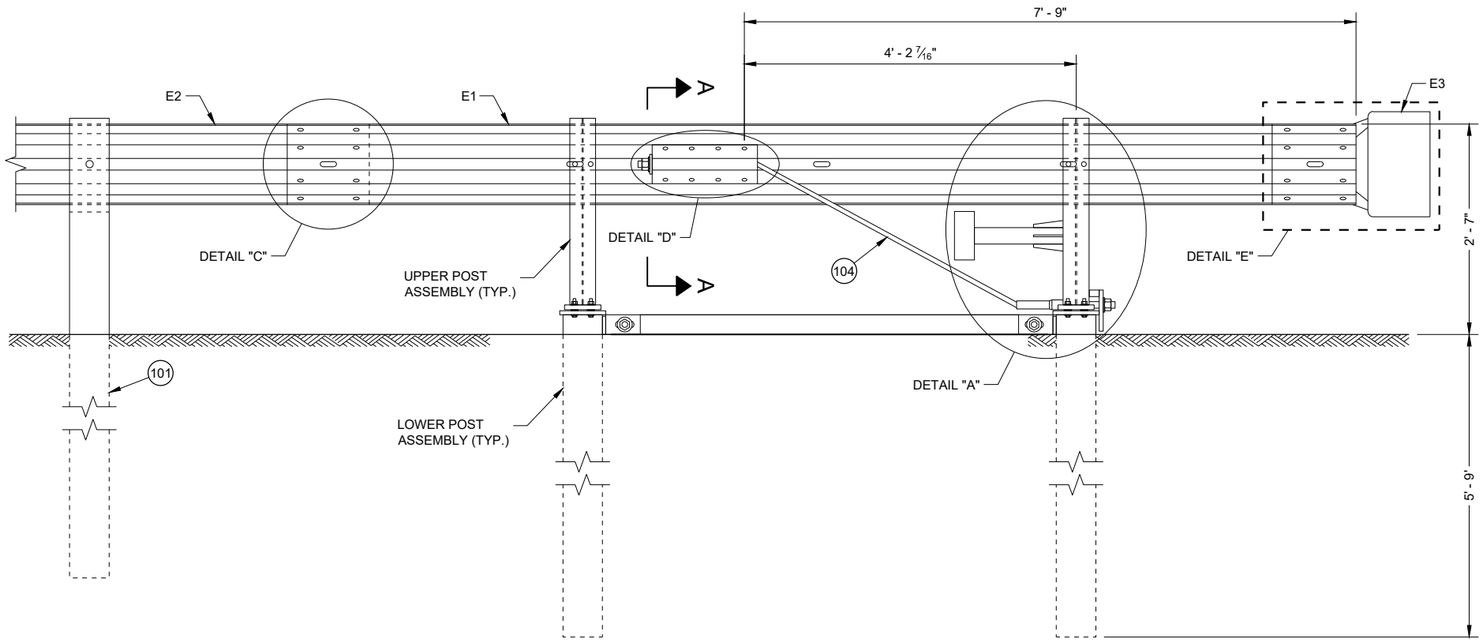
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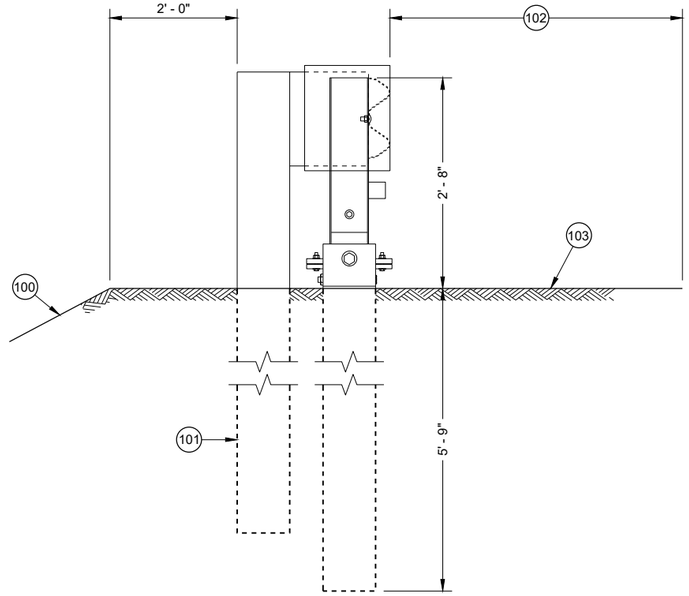
S.D.D. 14 B 45-5L

6

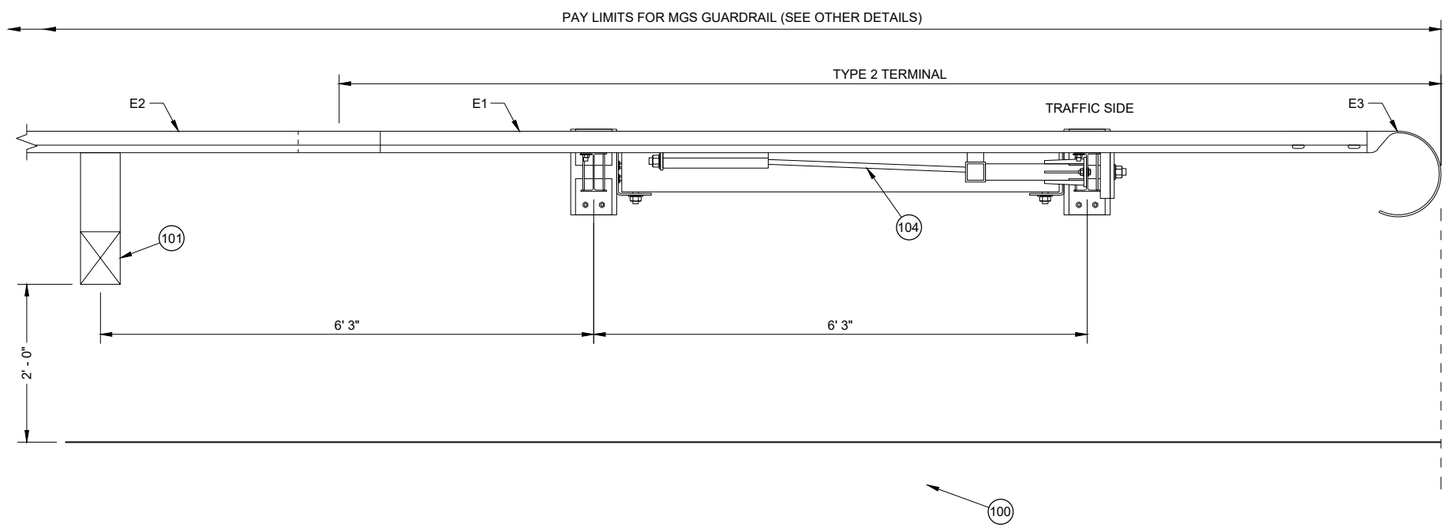
S.D.D. 14 B 45-5L



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.

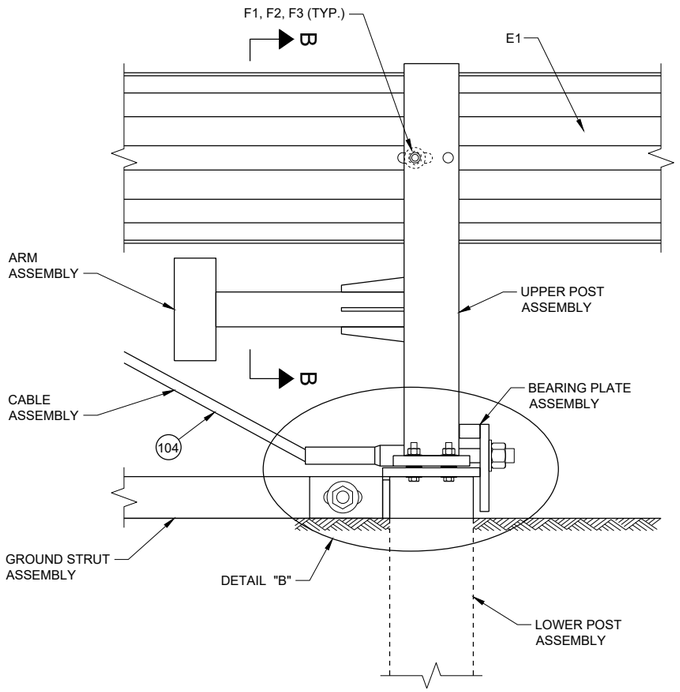
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

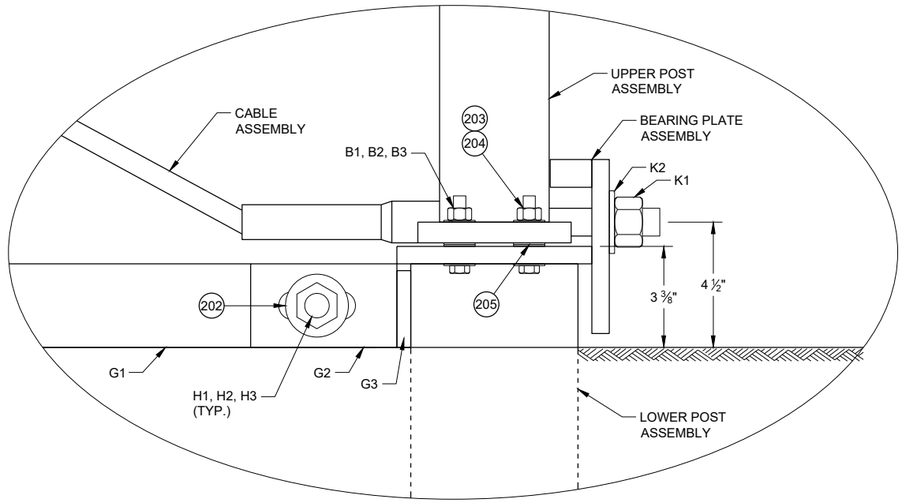
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

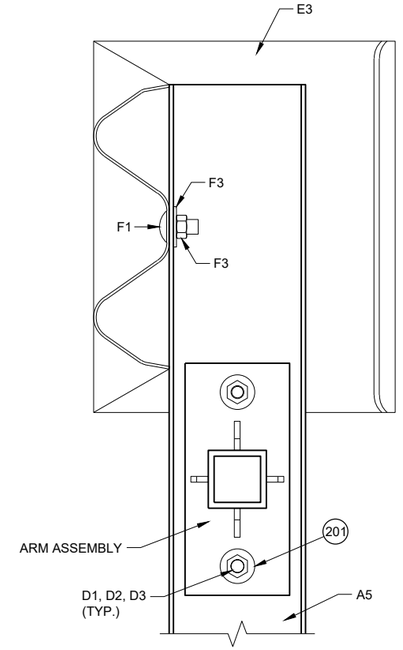
SDD 14B47 - 05a



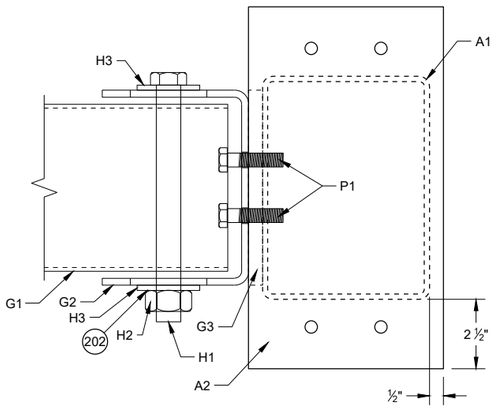
DETAIL "A"



DETAIL "B"

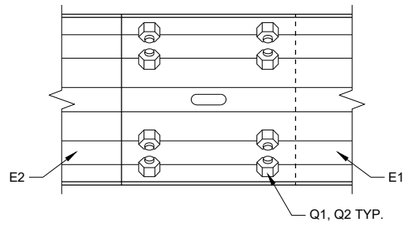


SECTION B - B



TOP VIEW

GROUND STRUT CONNECTION DETAIL



DETAIL "C"

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.

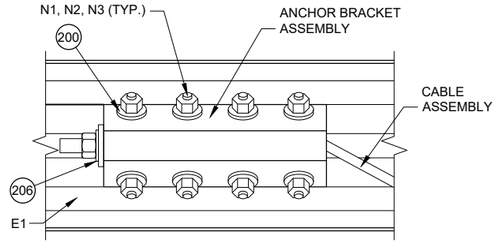
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

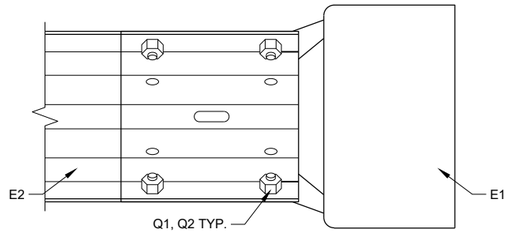
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.



DETAIL "D"



DETAIL "E"

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

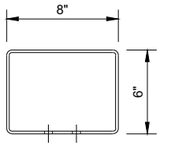
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

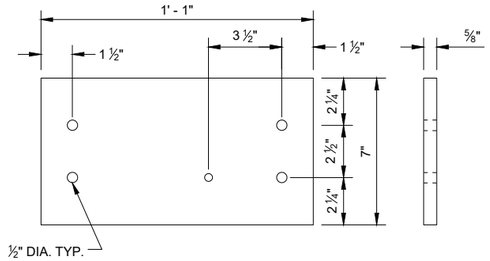
SDD 14B47 - 05b

GENERAL NOTES

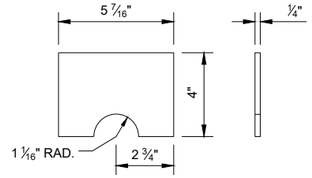
(300) TAP FOR 1/2" AFTER GALVANIZATION



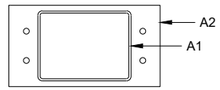
TOP VIEW



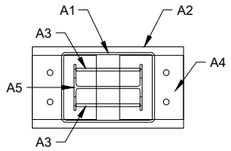
LOWER PLATE (A2)

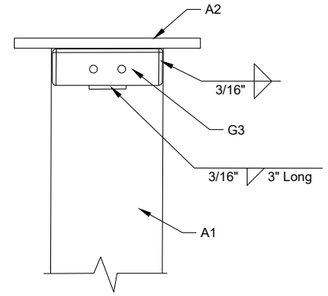


POST GUSSET (A3)

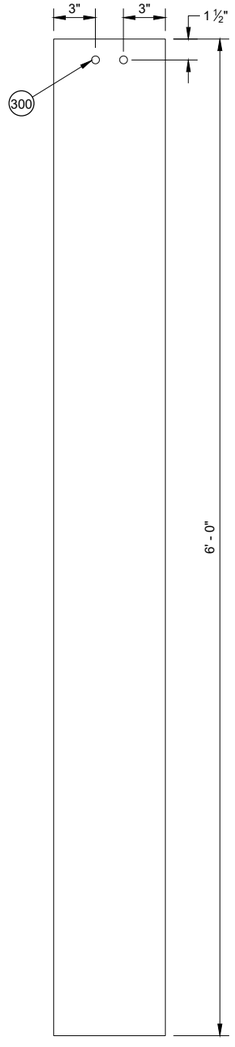


PLAN VIEW



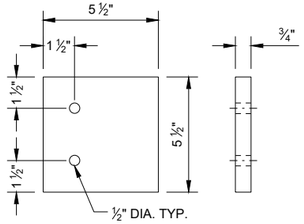


WELDING DETAIL
G3 AND A1

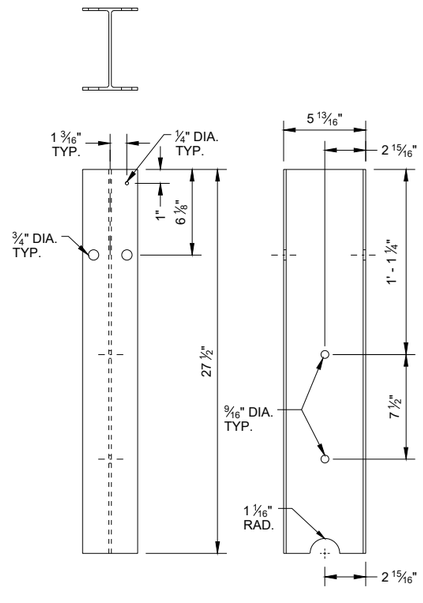


SIDE VIEW

FOUNDATION
TUBE (A1)

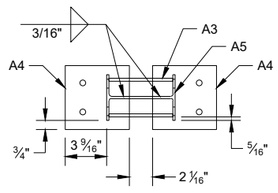


UPPER PLATE (A4)

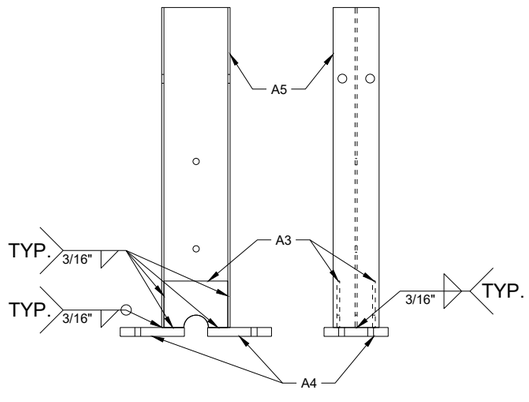


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

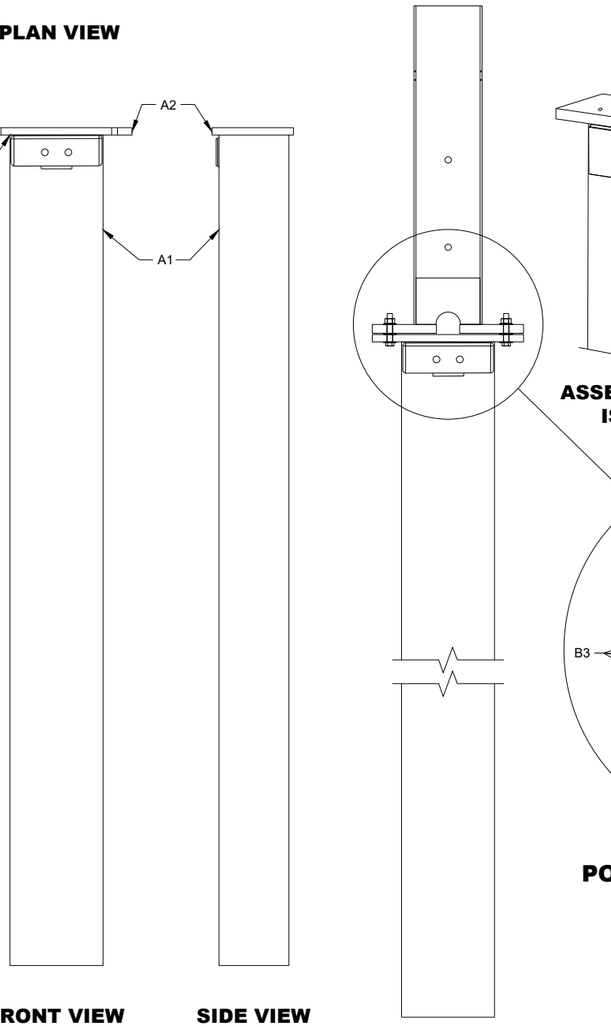


PLAN VIEW



SIDE VIEW FRONT VIEW

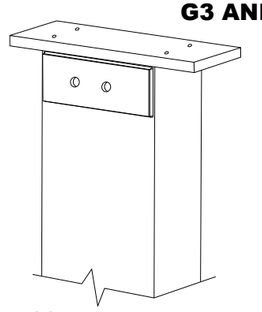
UPPER POST ASSEMBLY



FRONT VIEW SIDE VIEW

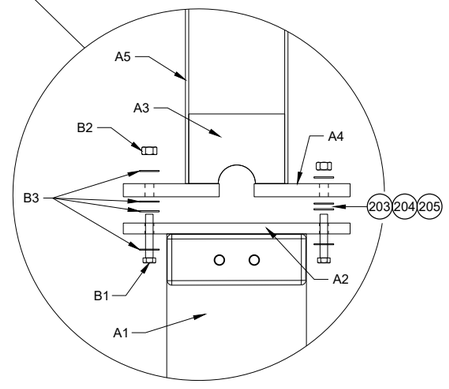
LOWER POST ASSEMBLY

ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC

A1



POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

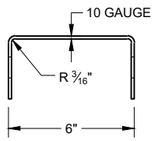
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

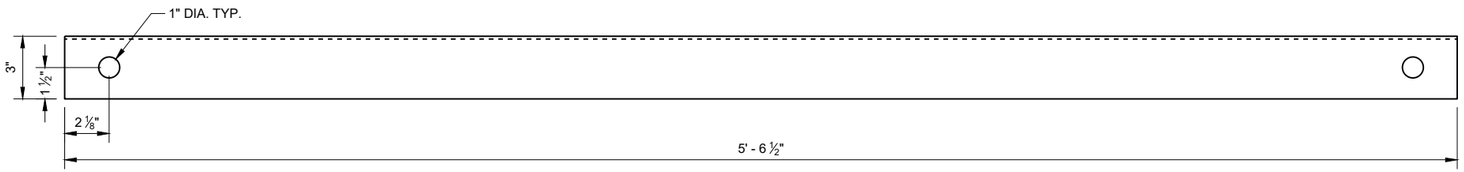
SDD14B47 - 05c

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SDD14B47 - 05c

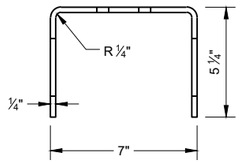


SIDE VIEW

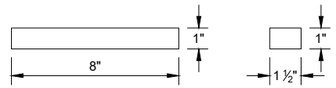


FRONT VIEW

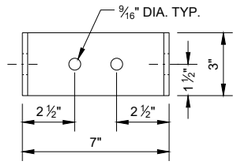
GROUND STRUT CHANNEL (G1)



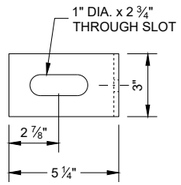
TOP VIEW



BEARING PLATE FLANGE (L2)

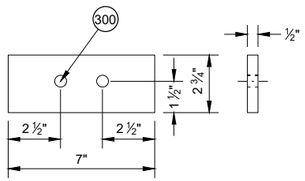


FRONT VIEW

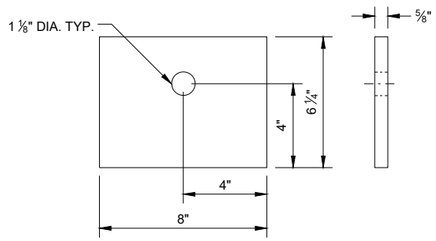


SIDE VIEW

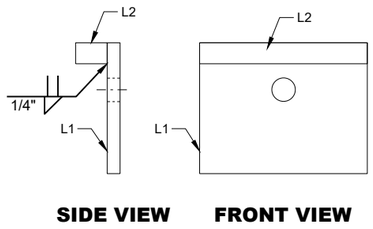
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

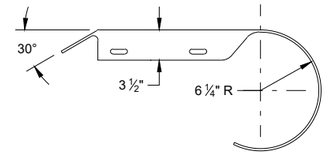


BEARING PLATE (L1)

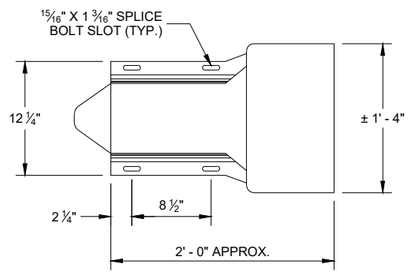


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

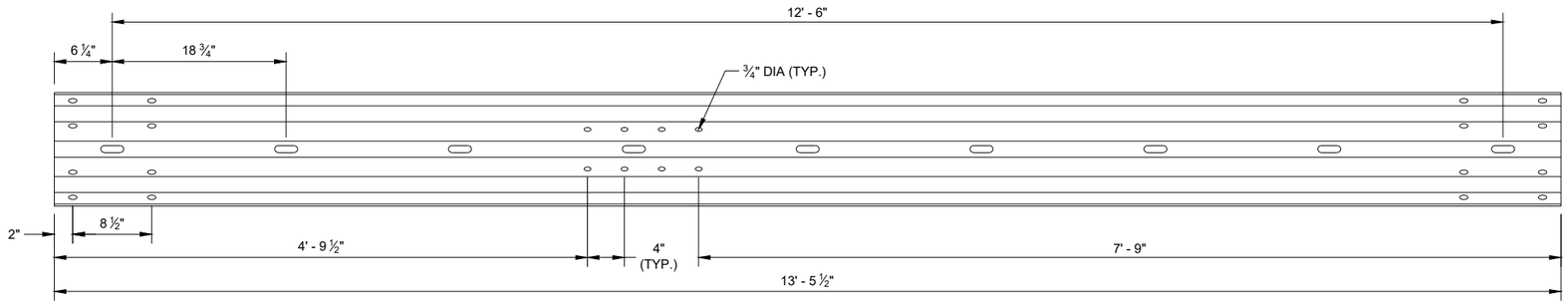


PLAN VIEW

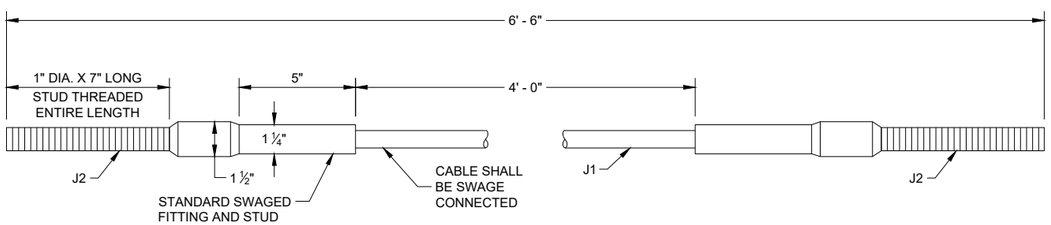


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)

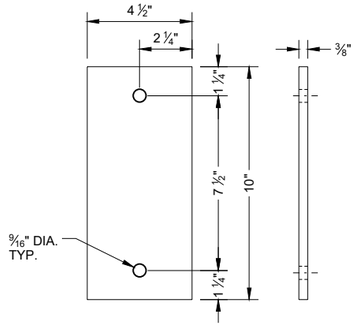


CABLE ASSEMBLY

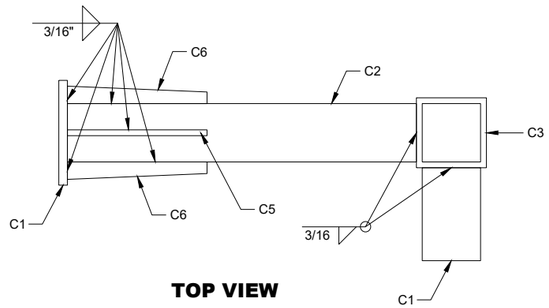
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MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

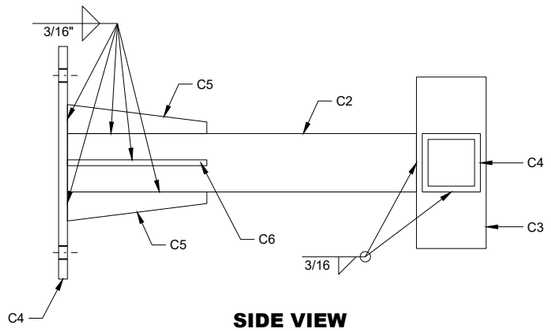
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



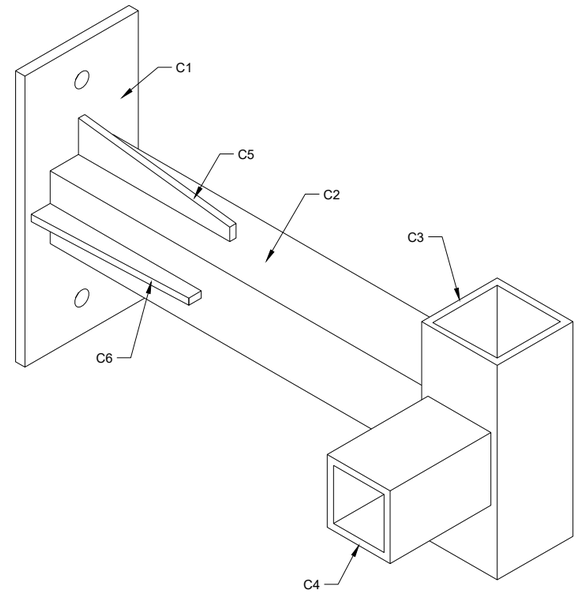
ARM PLATE (C1)



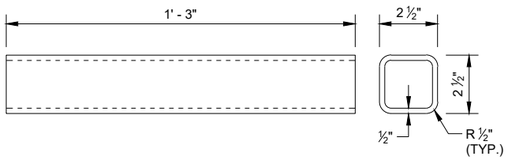
TOP VIEW
ARM ASSEMBLY



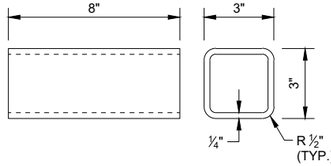
SIDE VIEW
ARM ASSEMBLY



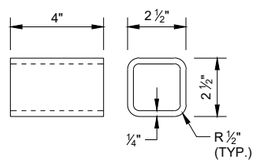
ISOMETRIC VIEW
ARM ASSEMBLY



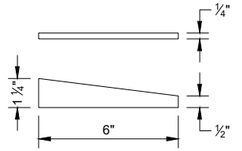
ARM TUBE 1 (C2)



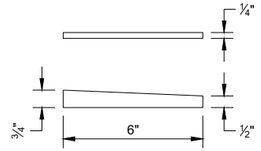
ARM TUBE 2 (C3)



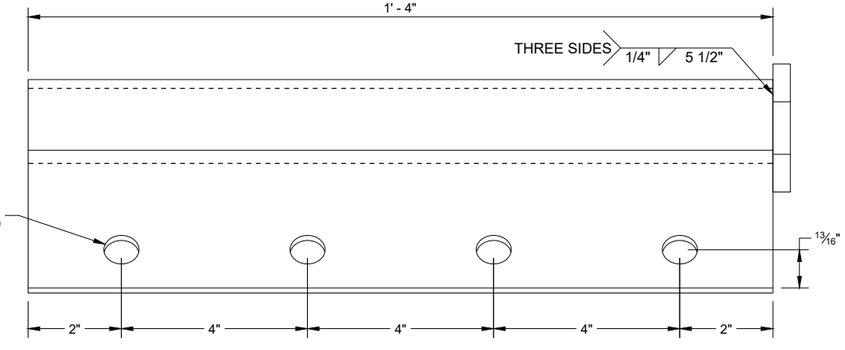
ARM TUBE 3 (C4)

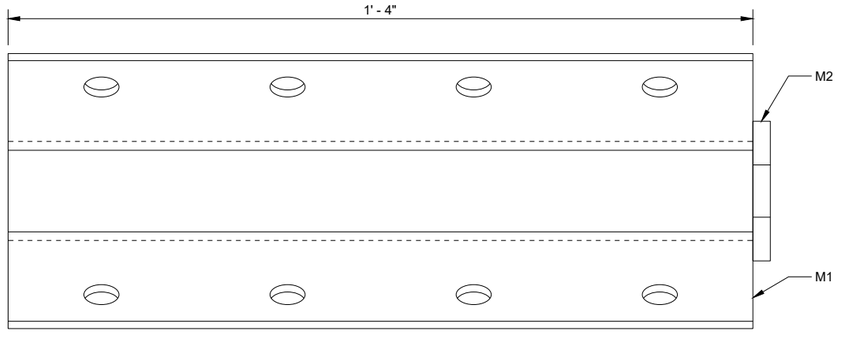


ARM GUSSET PLATE 1 (C5)

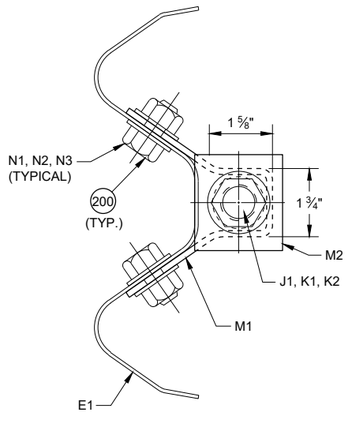


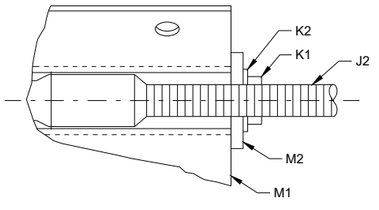
ARM GUSSET PLATE 2 (C6)



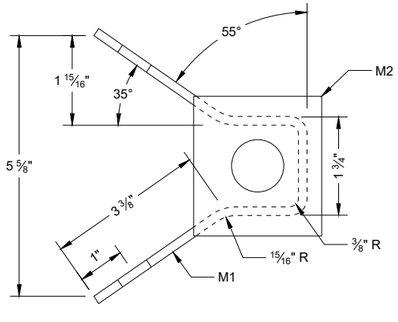


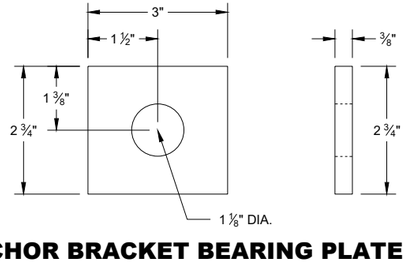
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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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

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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.

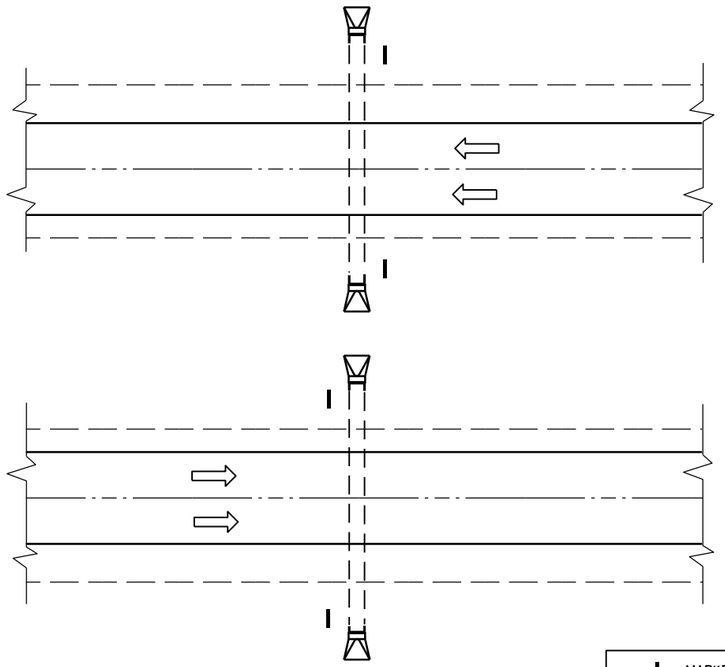
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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

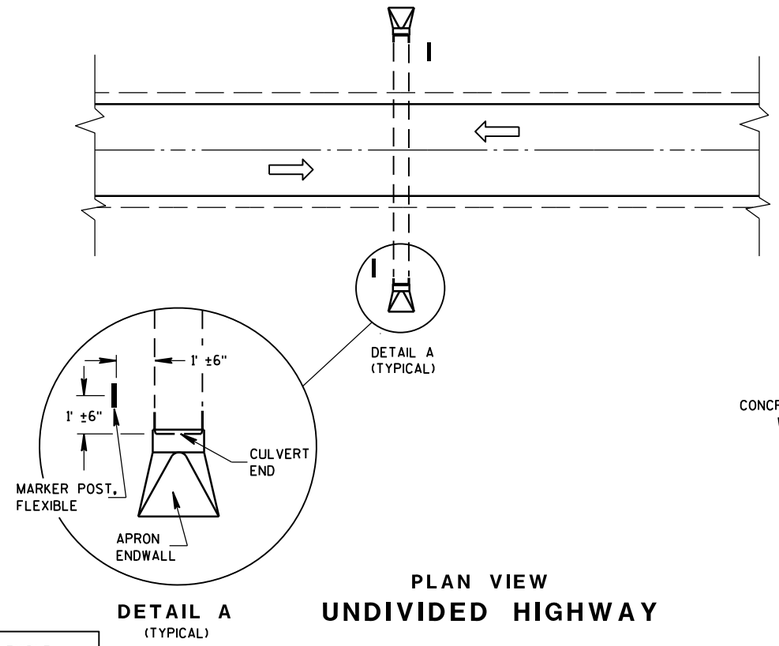
APPROVED
May 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 14B47 - 05g



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

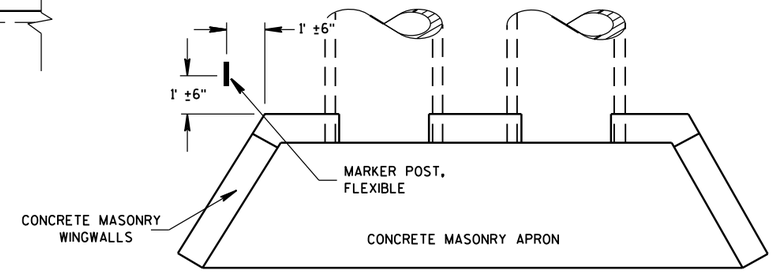
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

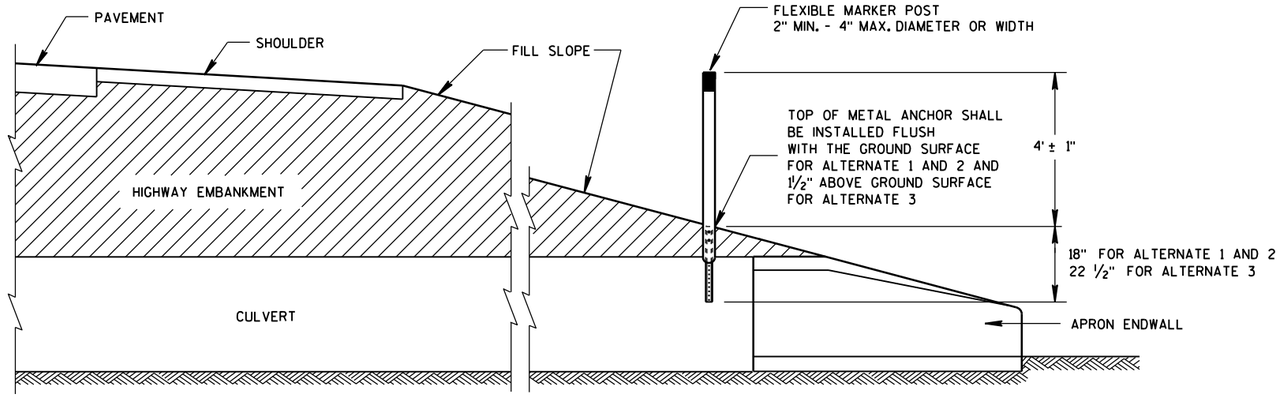
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

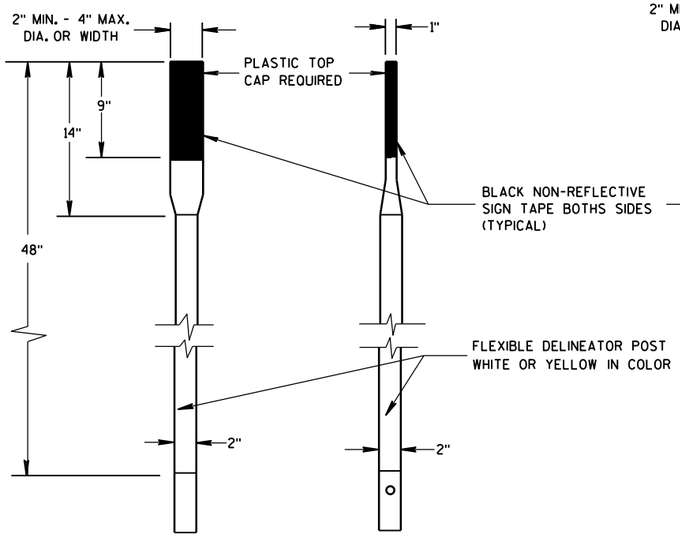
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

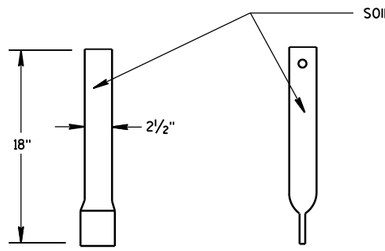
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S.D.D. 15 A 3-2a

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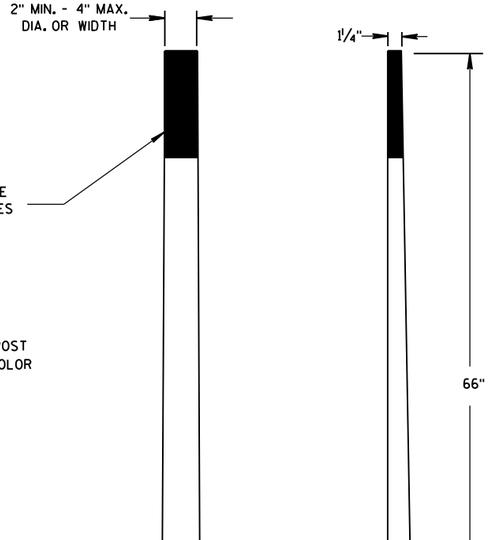
S.D.D. 15 A 3-2a





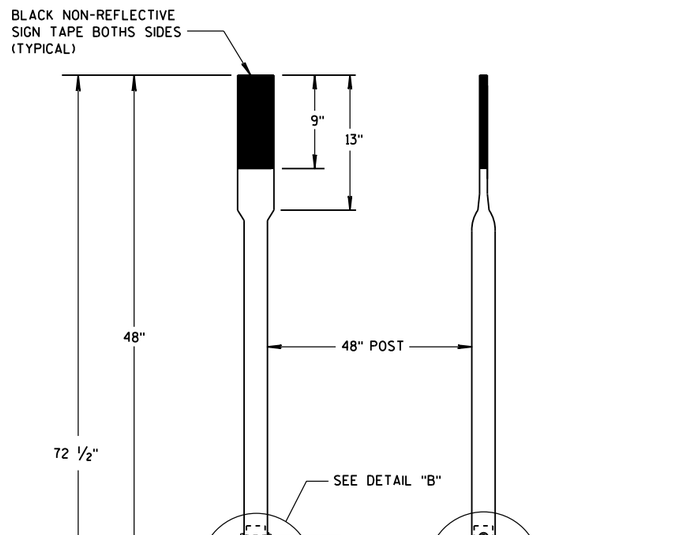
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

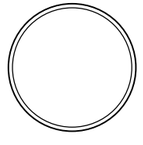
ALTERNATE 2



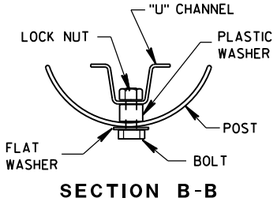
FRONT VIEW SIDE VIEW

ALTERNATE 3

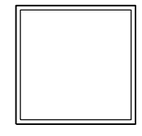
FLEXIBLE MARKER POSTS



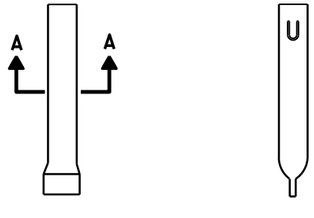
SECTION A-A



SECTION B-B

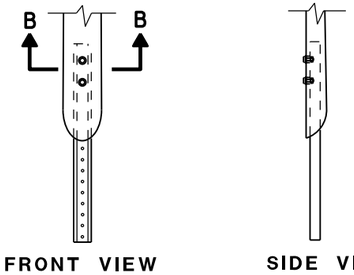


SECTION C-C



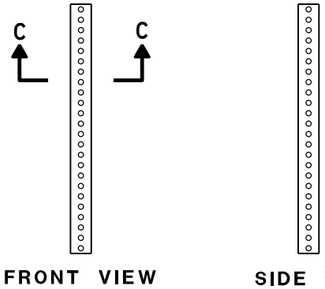
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

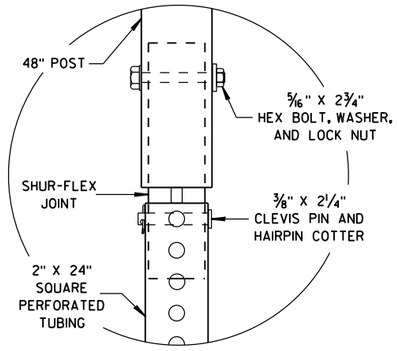
ALTERNATE 2



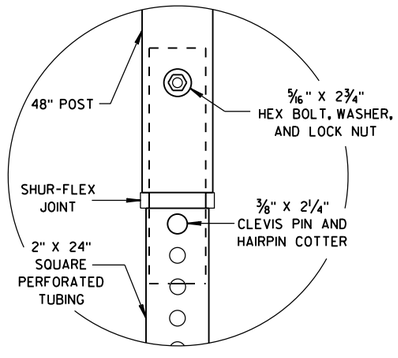
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

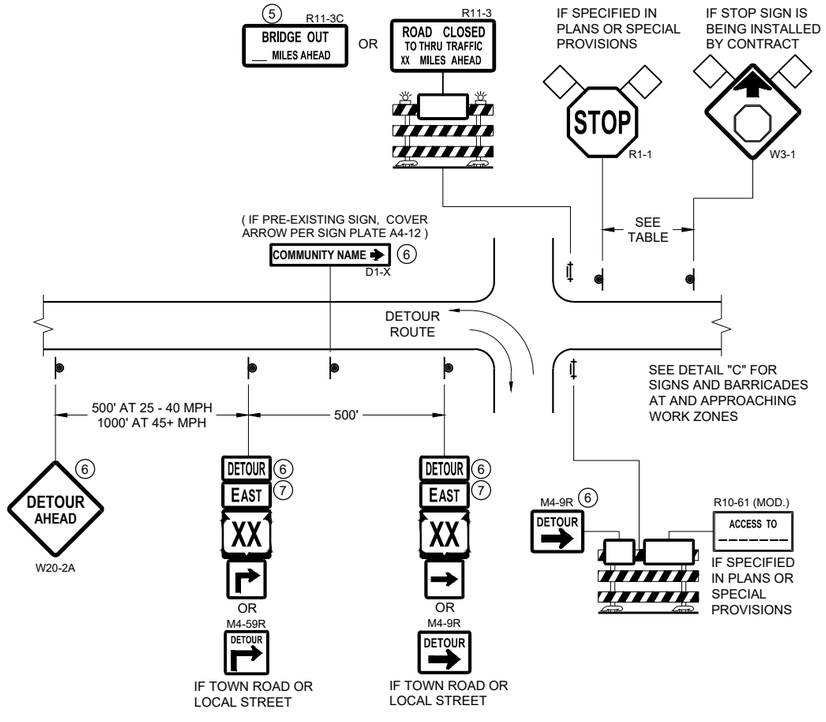
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

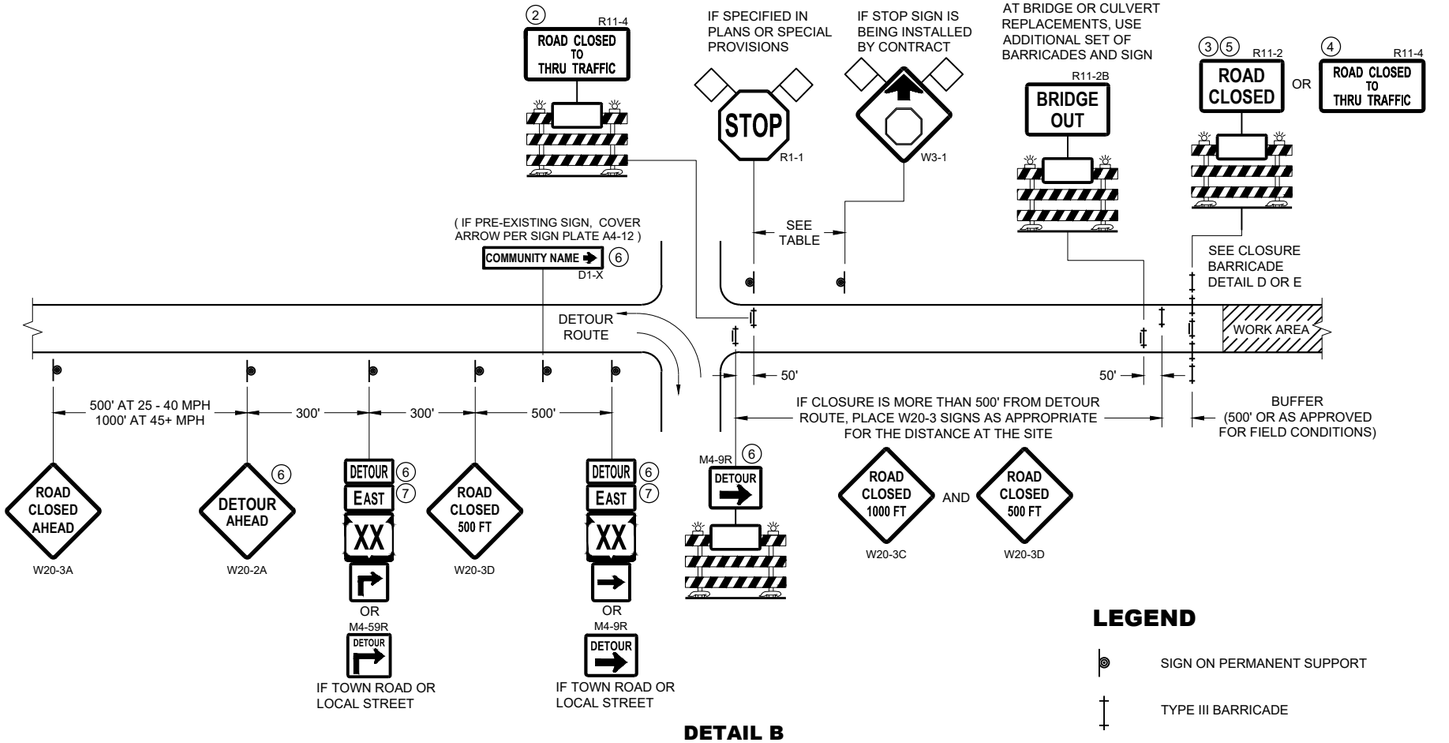
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S.D.D. 15 A 3-2b



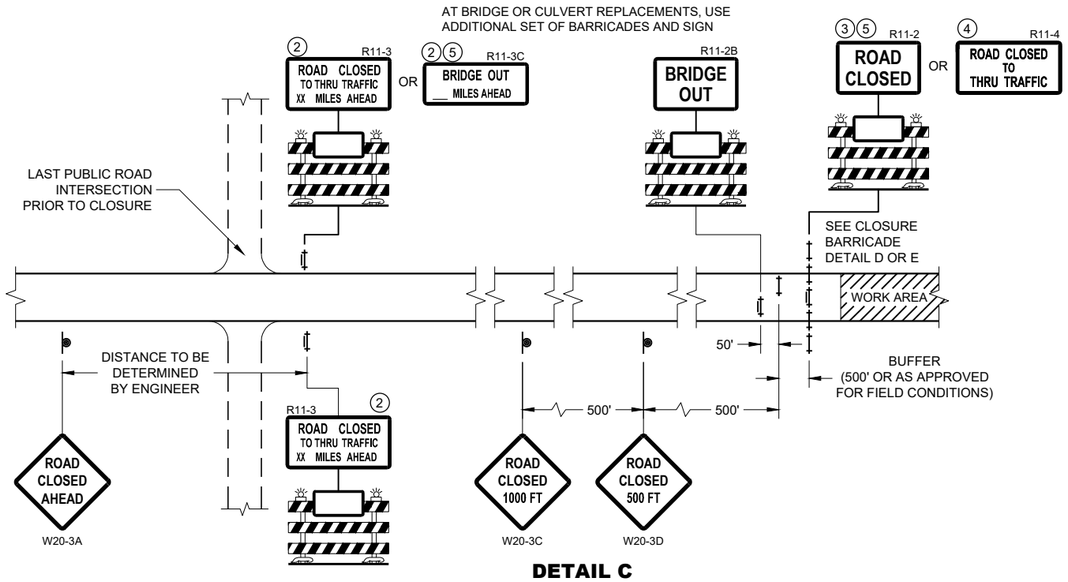
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

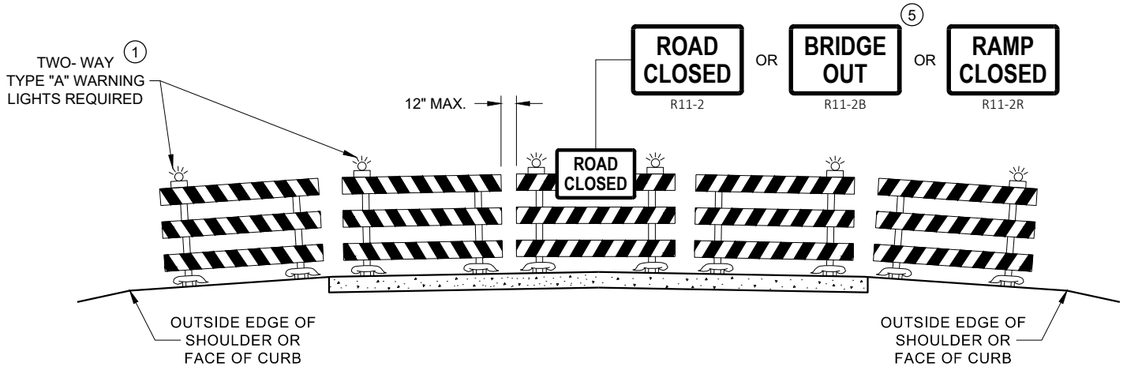
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

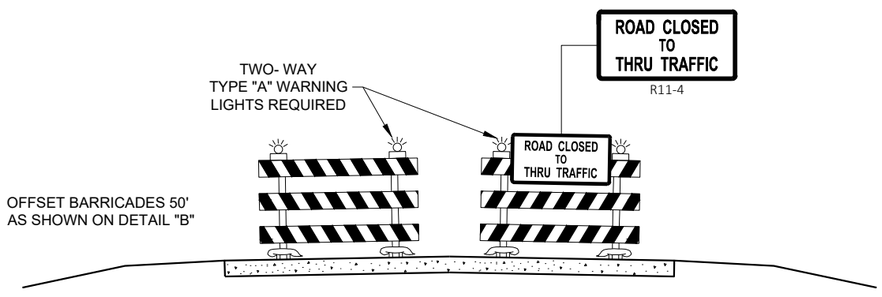
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SDD 15C02 - 09a



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

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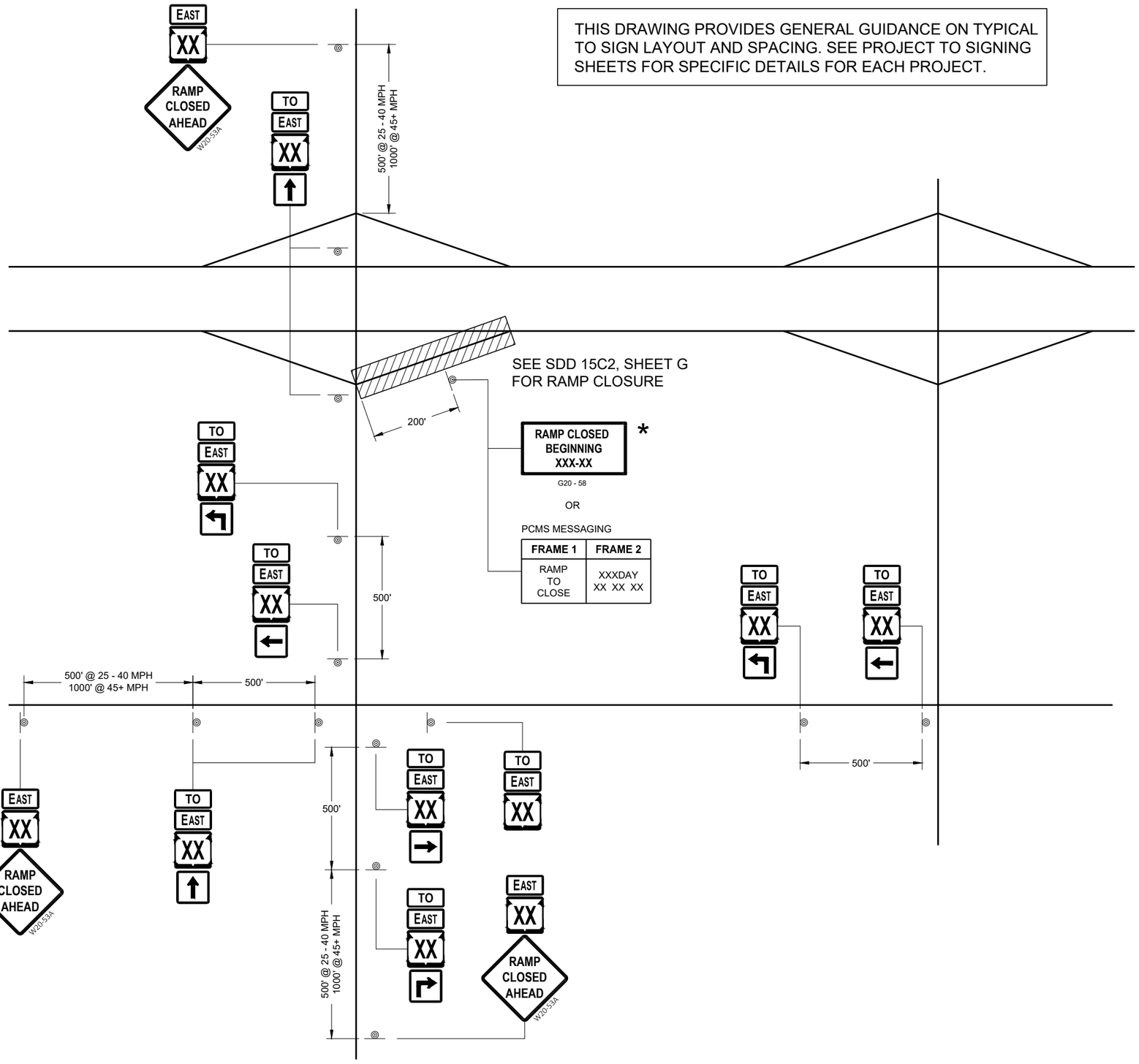
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 09b

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THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

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 ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

ON RAMP LANE CLOSURE

STATE OF WISCONSIN
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May 2023 DATE
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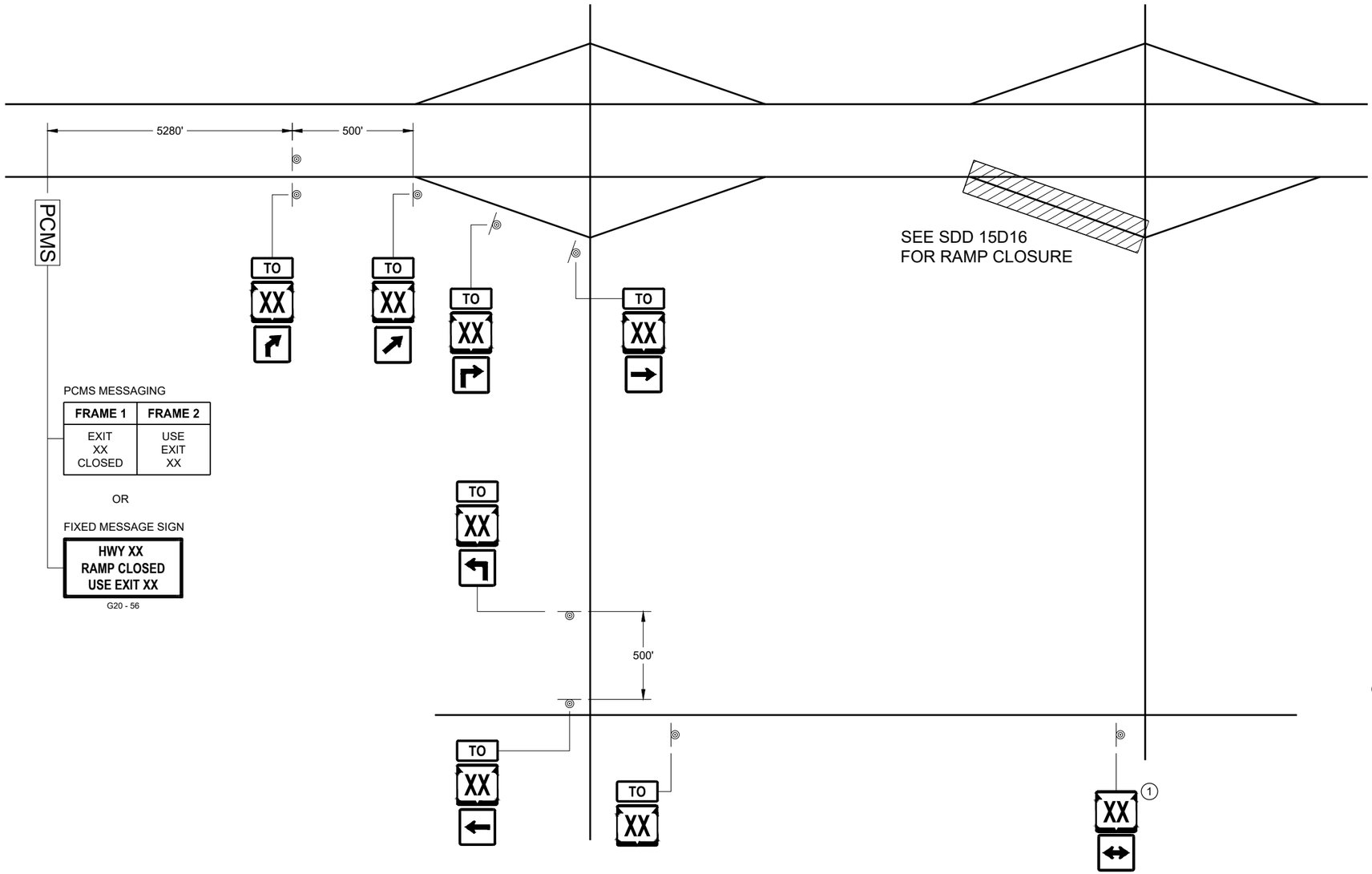
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SDD 15C02 - 09d

SDD 15C02 - 09d

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

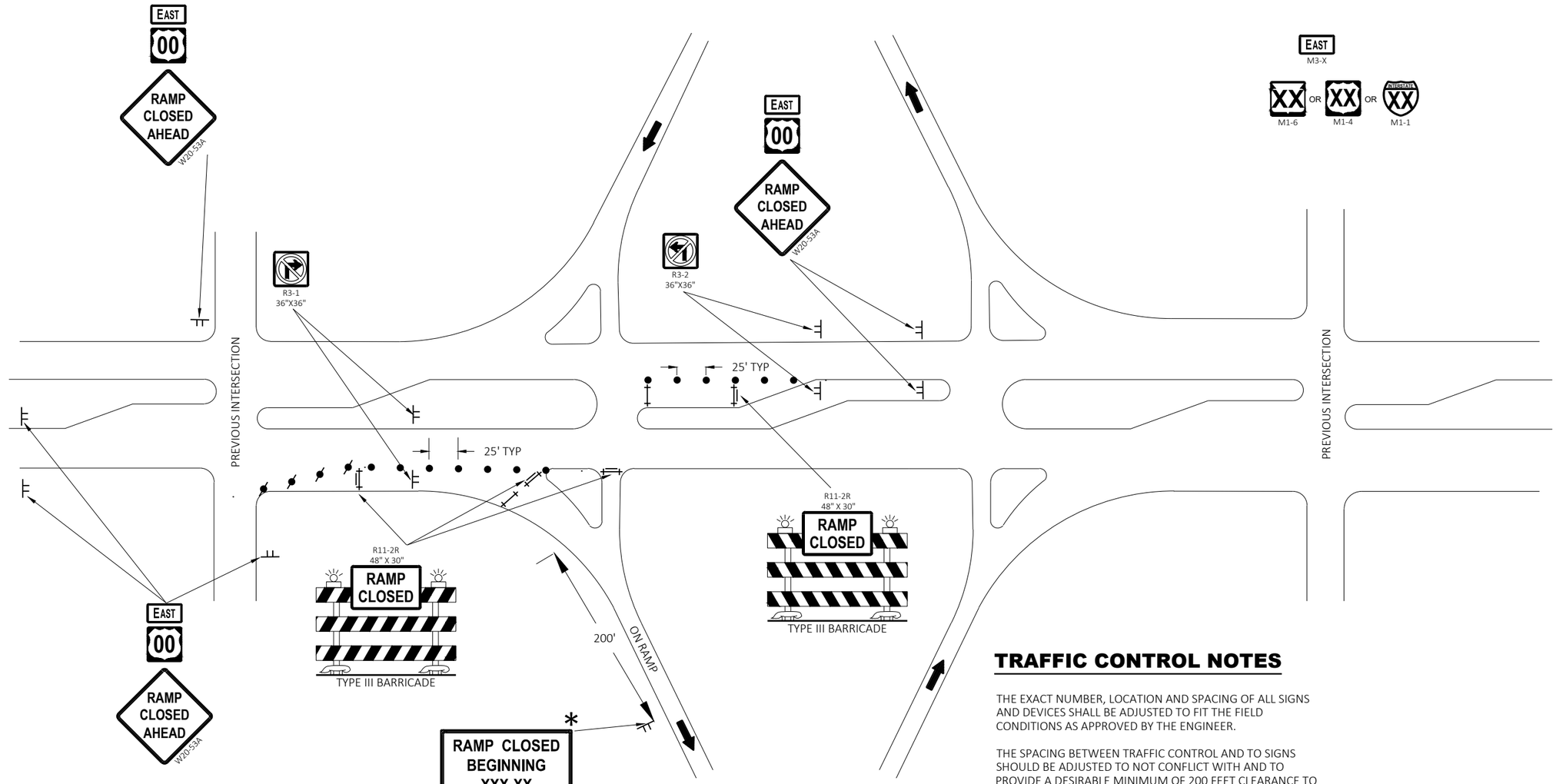
OFF RAMP
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA

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SDD 15C02 - 09e
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LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL AND TO 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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24"x24" (36" x18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-1, M1-4, AND M1-6 SHALL BE 24"x24" (36"x36" IF NEEDED TO MATCH EXISTING SIGNS)
- W20-53A SHALL BE 48"X48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE

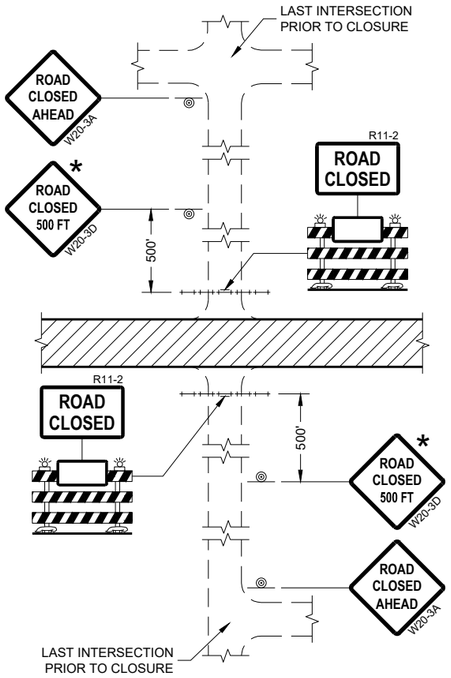
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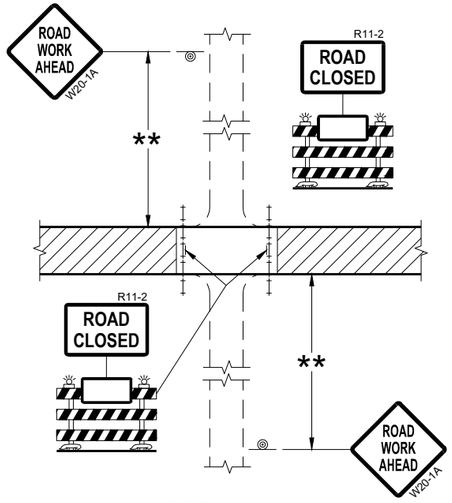
SDD 15C02-09g

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SDD 15C02-09g



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.

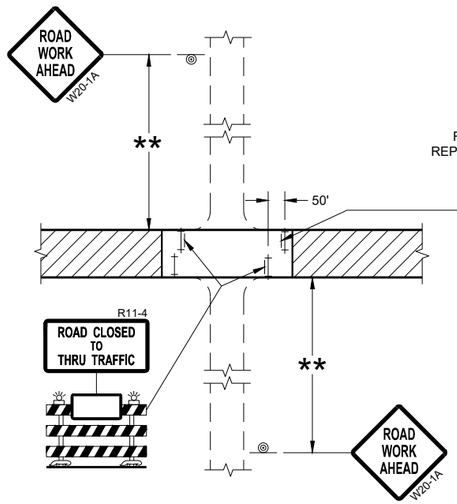
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

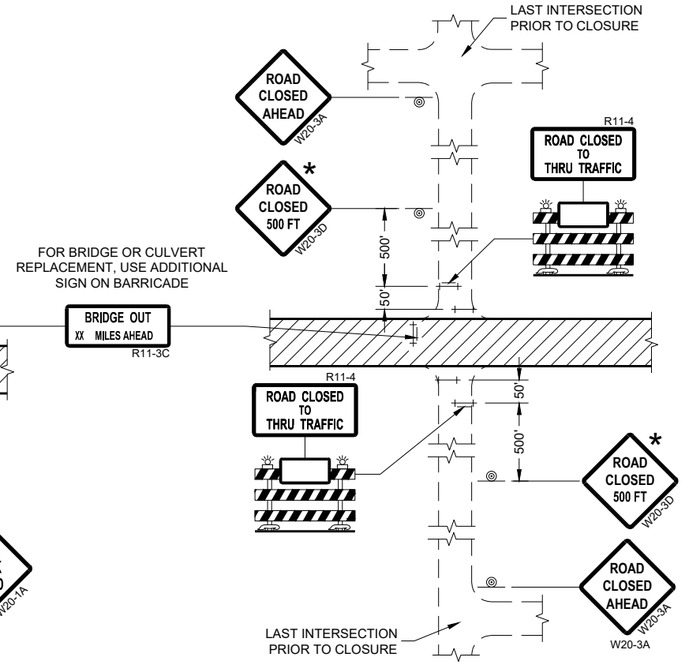
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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

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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.

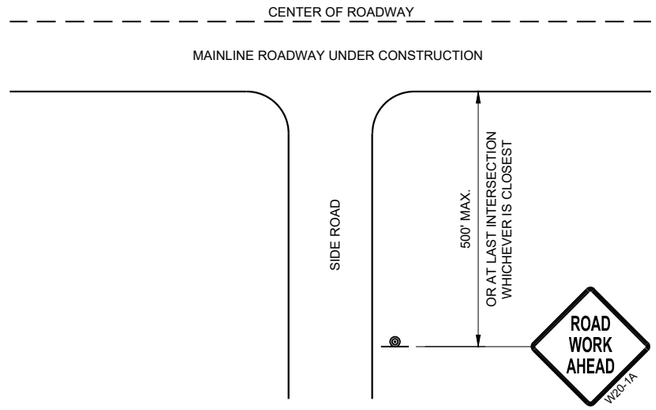
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.



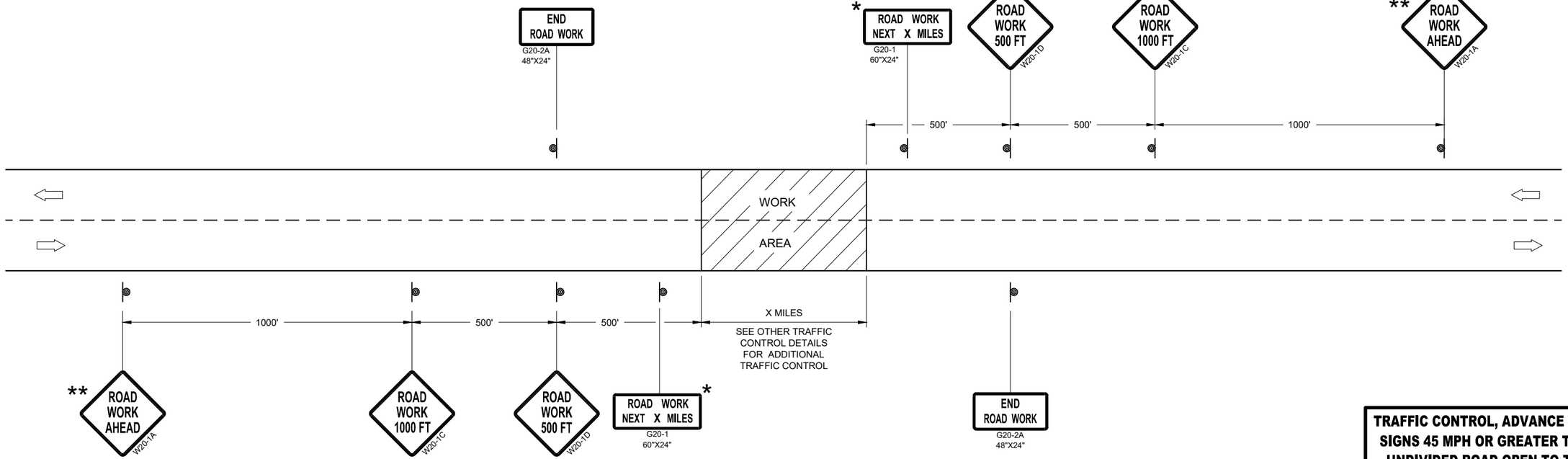
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

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

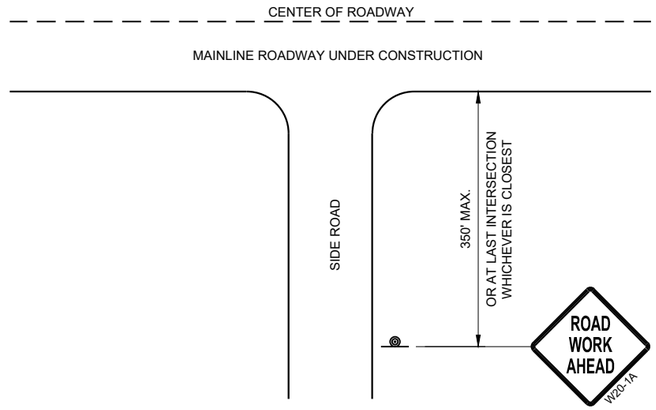
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

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



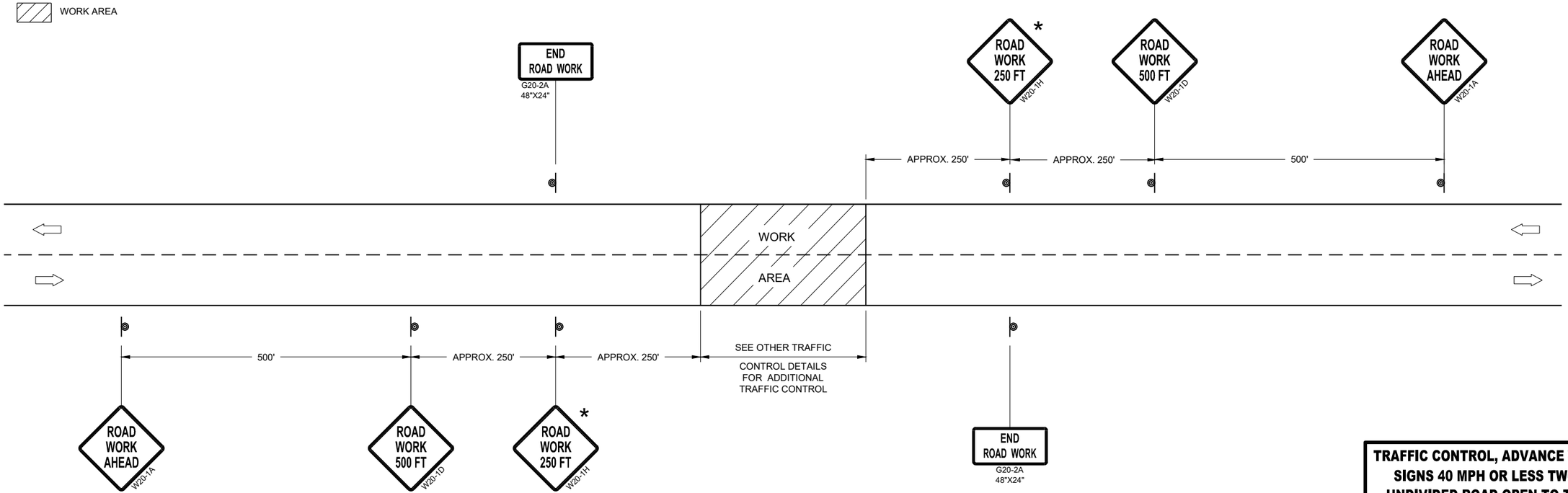
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C05 - 05

GENERAL NOTES

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) CLEARANCE TO EXISTING SIGNS.

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.

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 LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

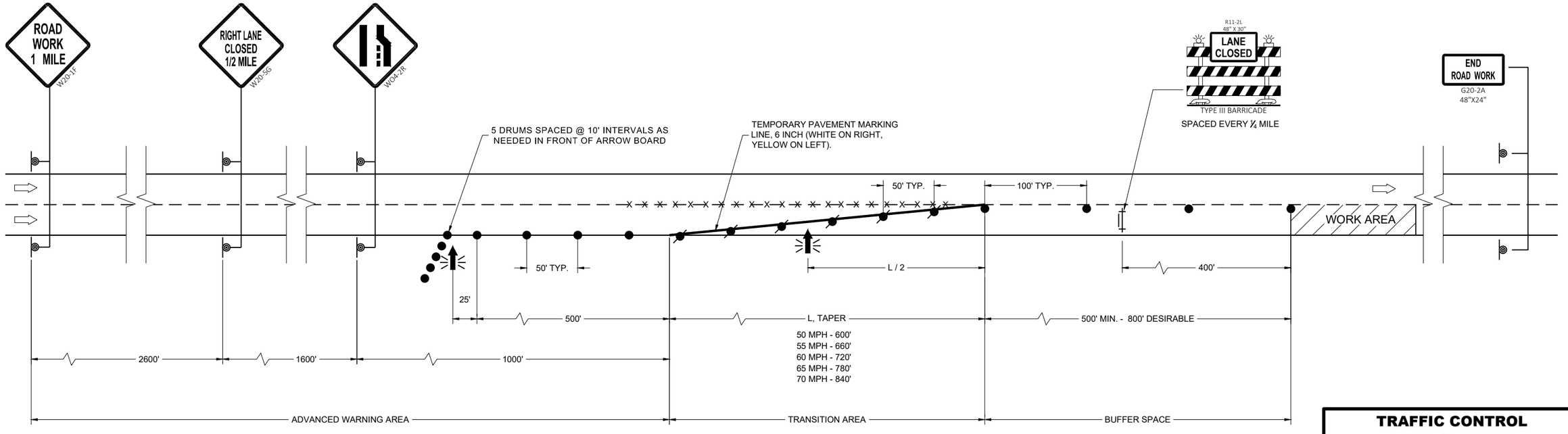
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE 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 ONE HALF 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

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
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-12a

6

SDD 15D12-12a

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

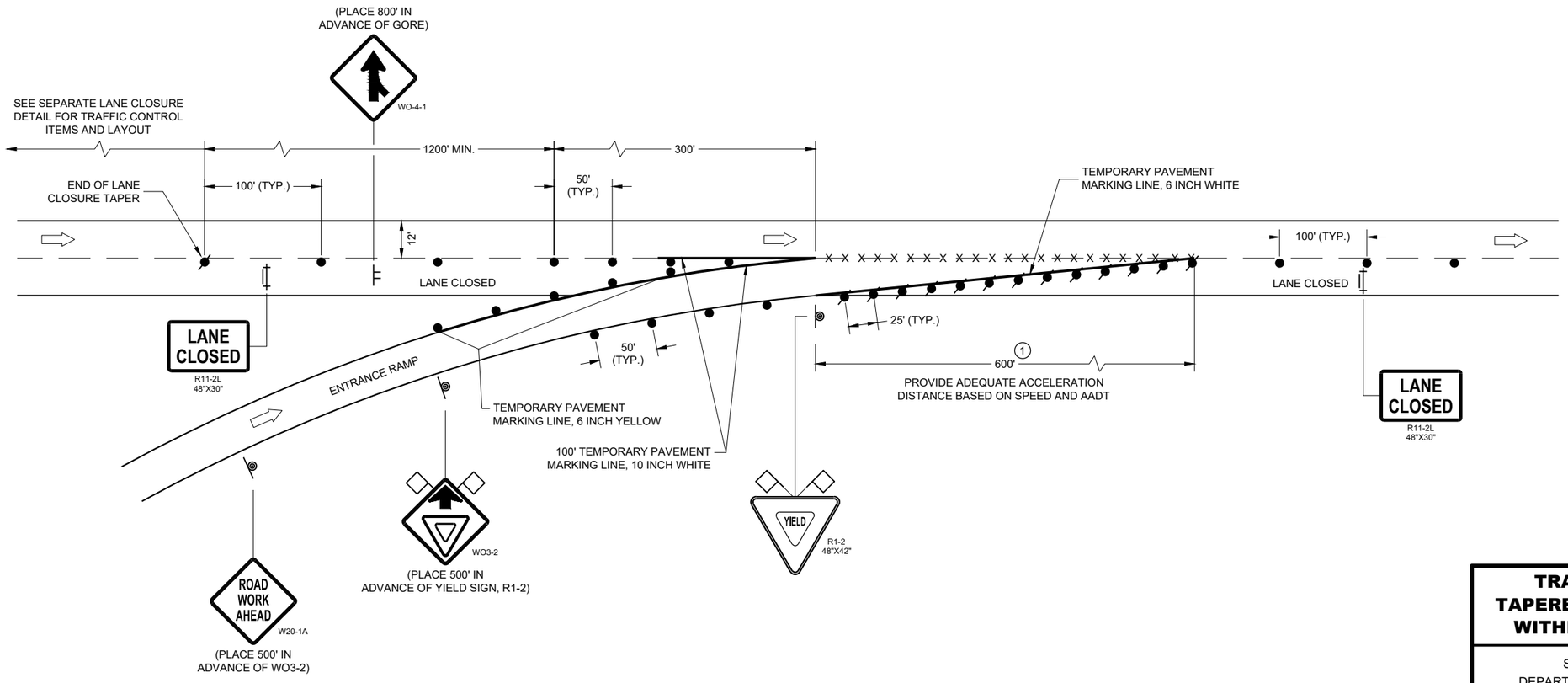
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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.

(1) CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D15-07c

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

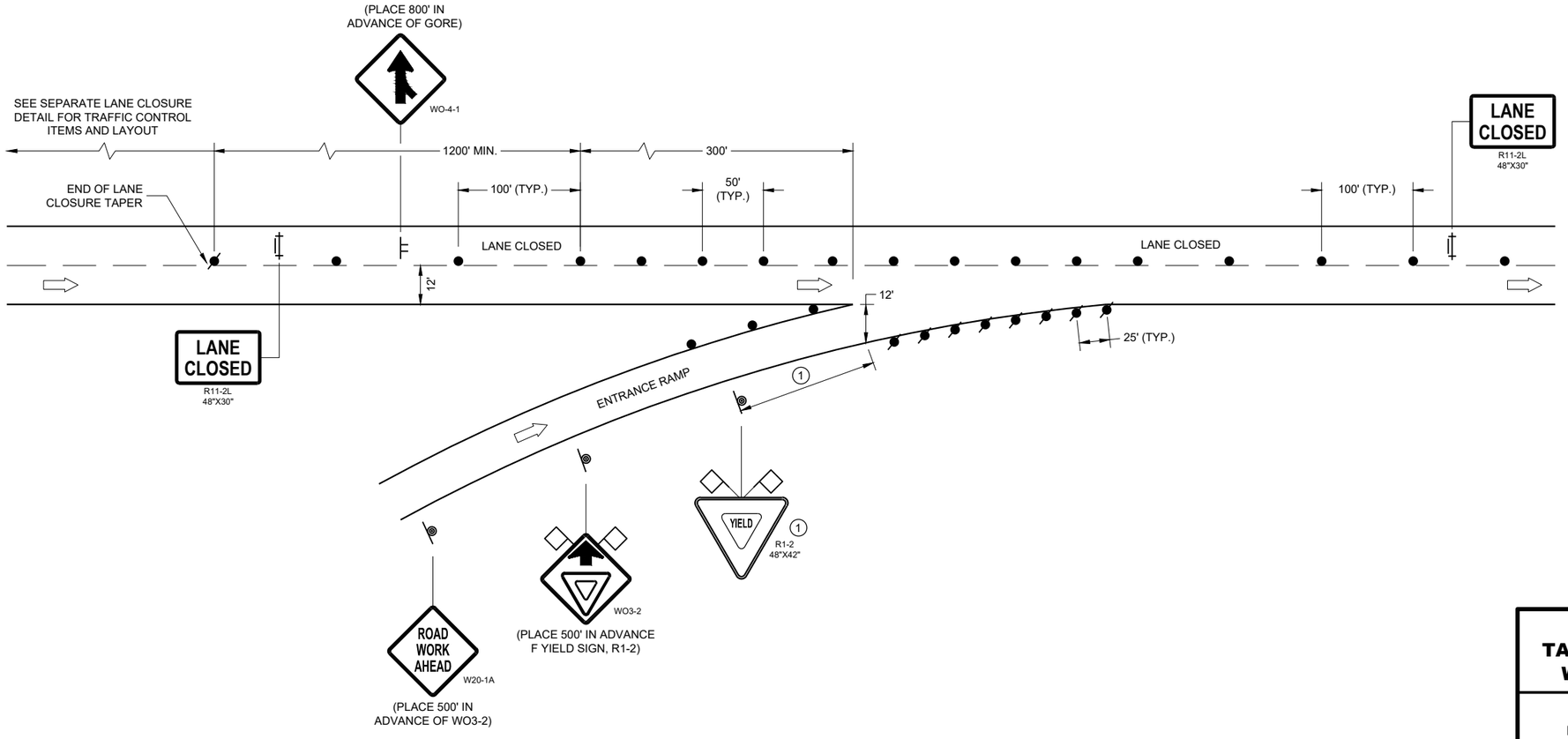
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15-07d

6

SDD 15D15-07d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

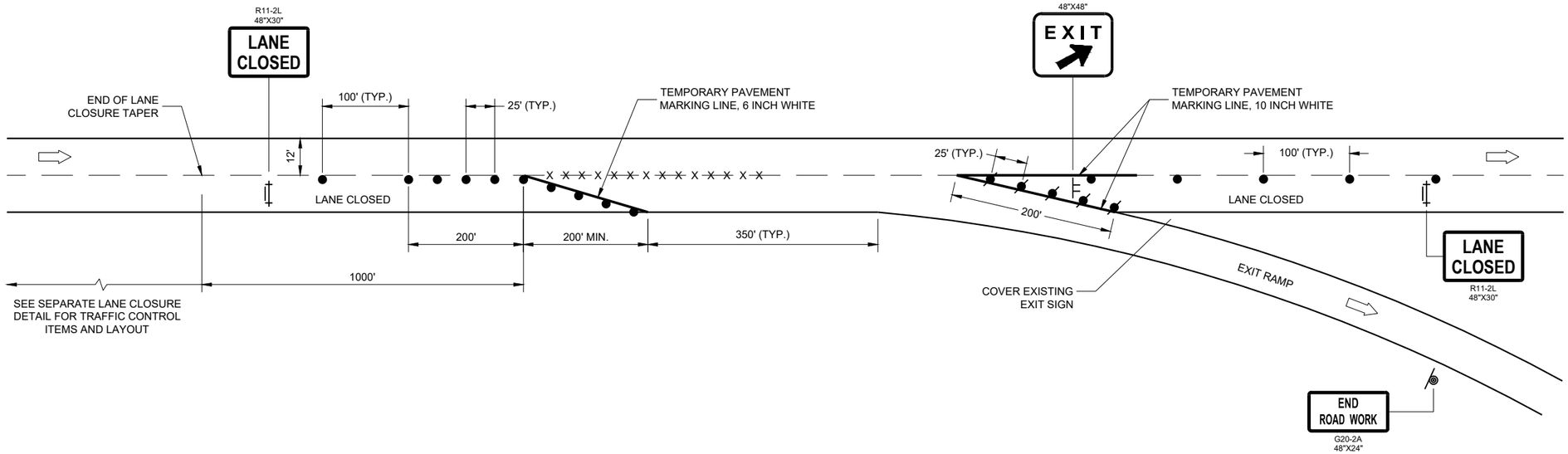
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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.



6

SDD 15D15-07e

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15-07e

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

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

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 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 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

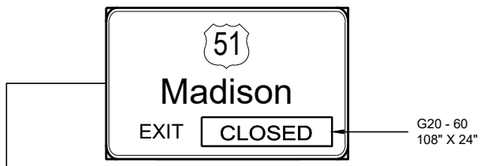
PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

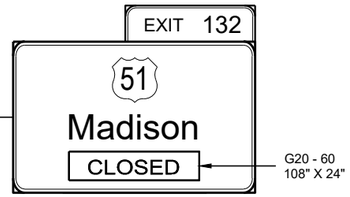
WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

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

(2) PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



OR



PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)

G20 - 61
120 ' X 30"

OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 15D16-06
6

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)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

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.

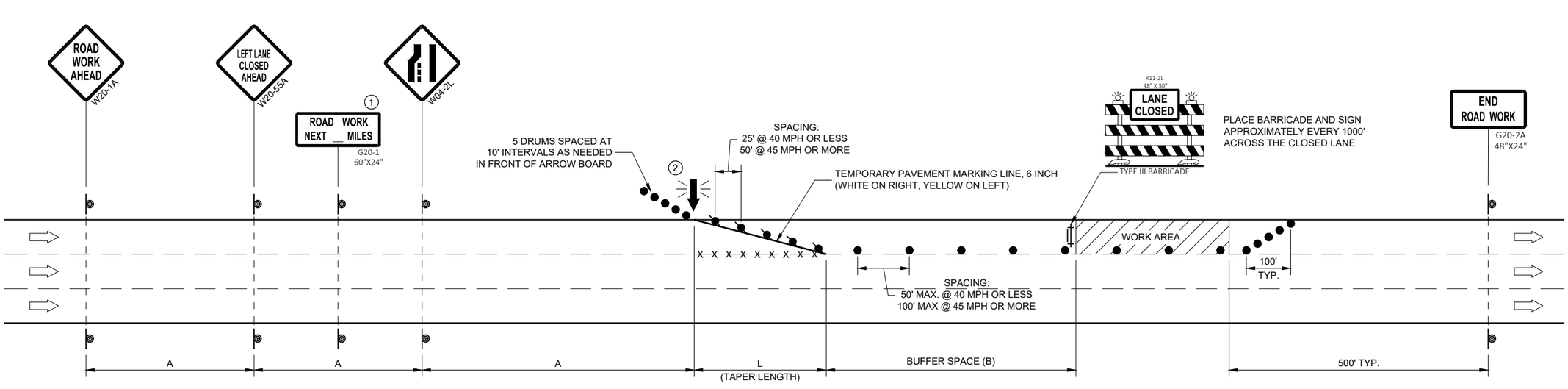
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

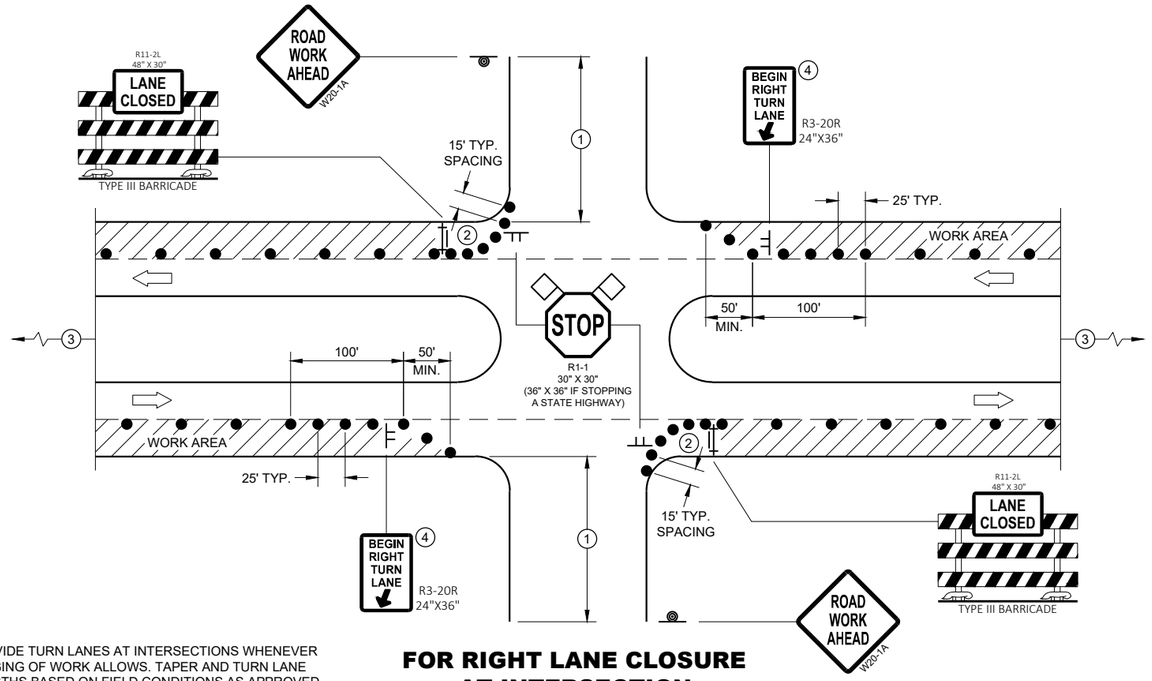
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

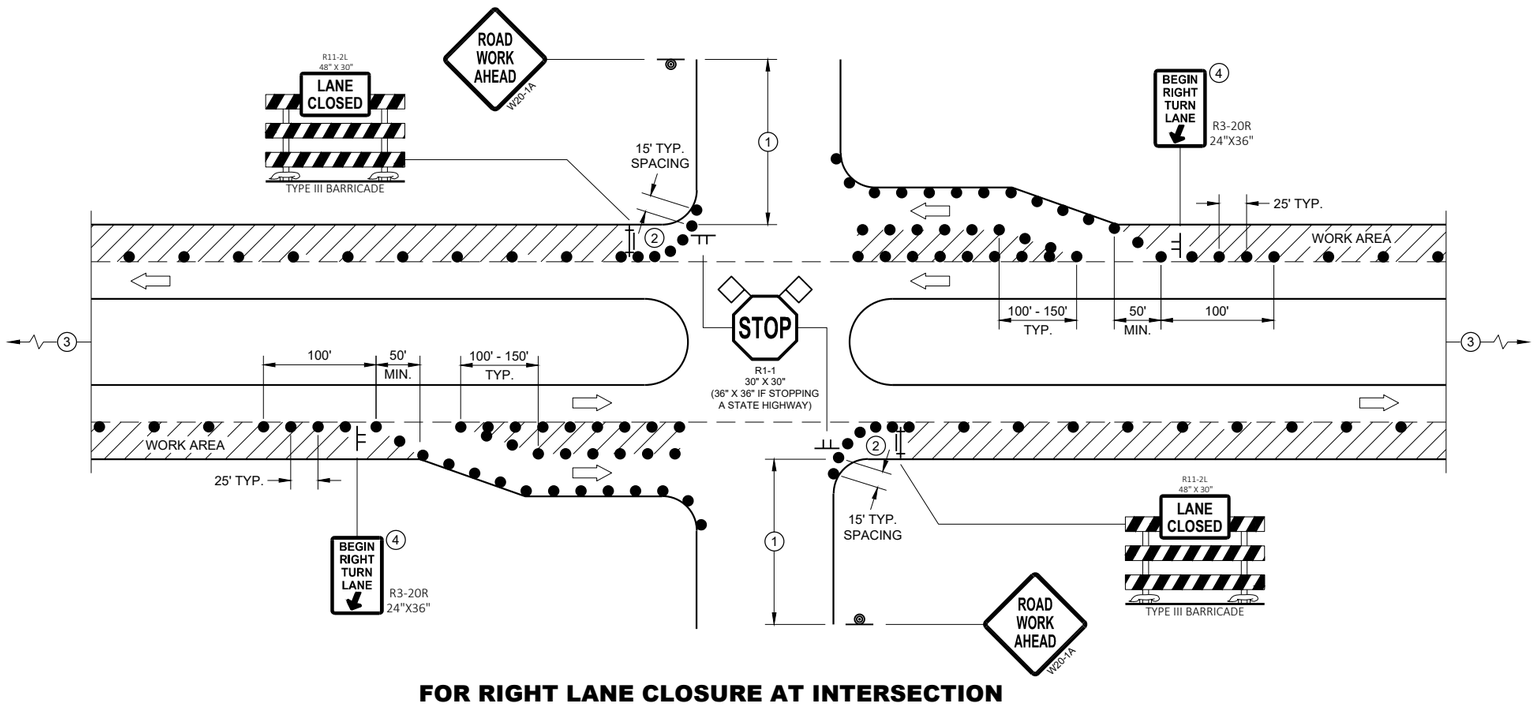
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SDD 15D20-07a
SDD 15D20-07a



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 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

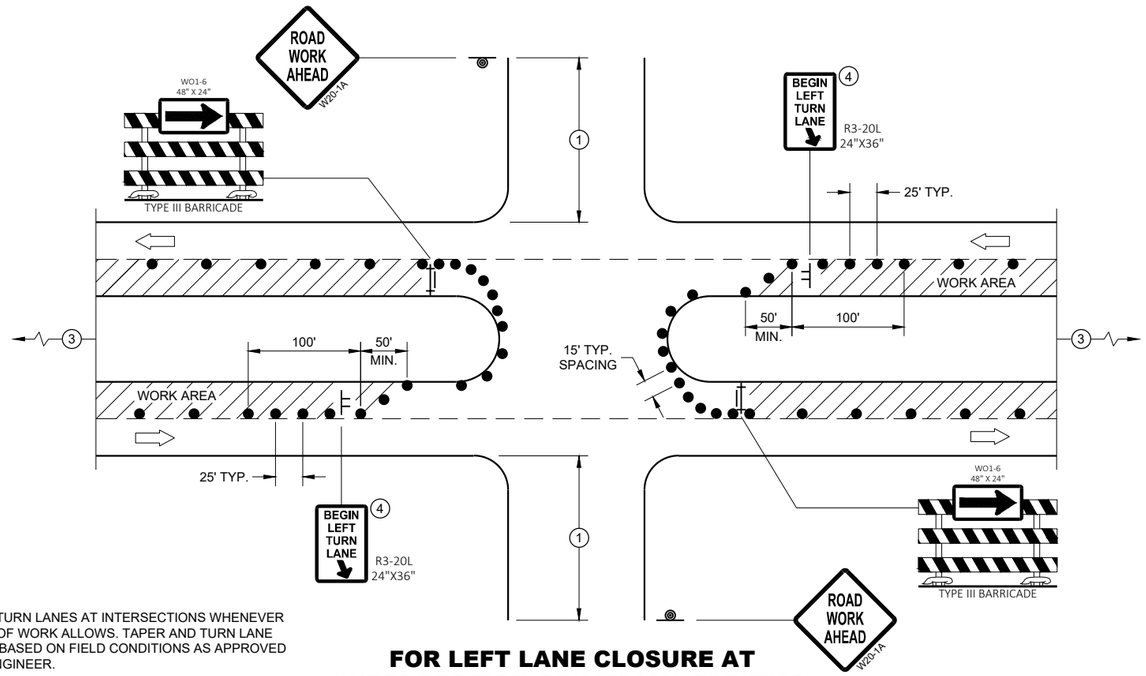
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D21 - 07a

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

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

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

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

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

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

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

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

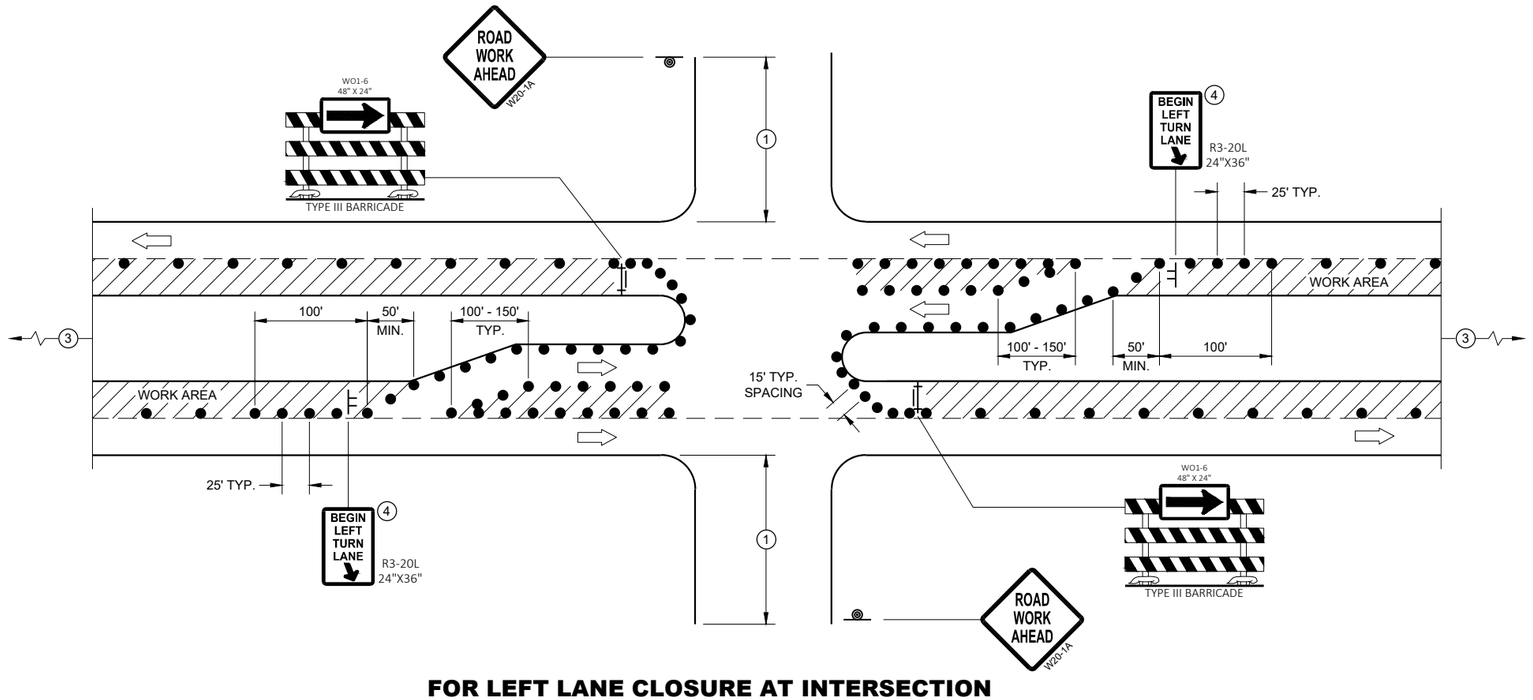
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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

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



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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D21 - 07b

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LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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" X 48" UNLESS OTHERWISE NOTED.

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

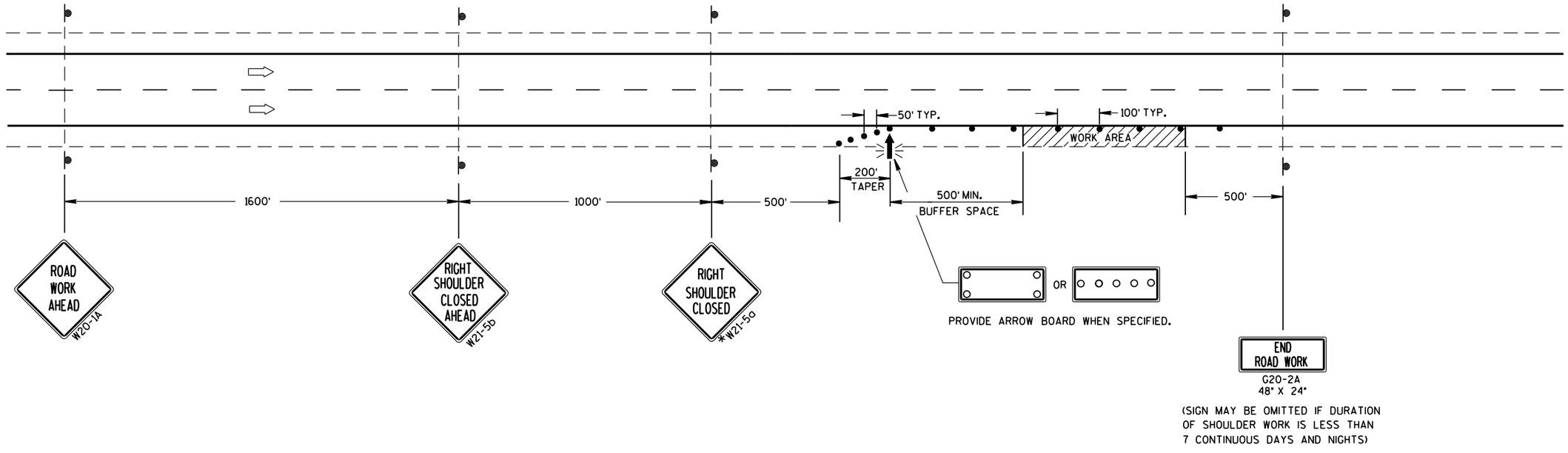
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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 THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

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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.

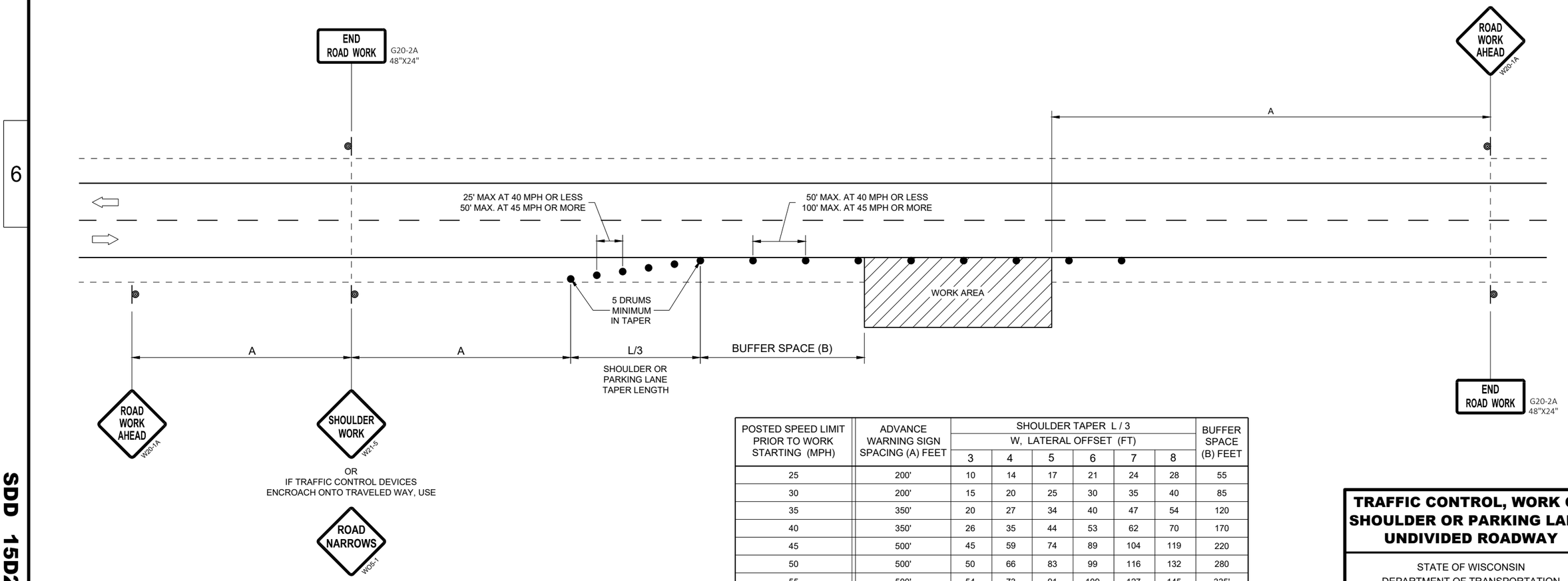
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

SDD 15D28 - 04

SDD 15D28 - 04

GENERAL NOTES

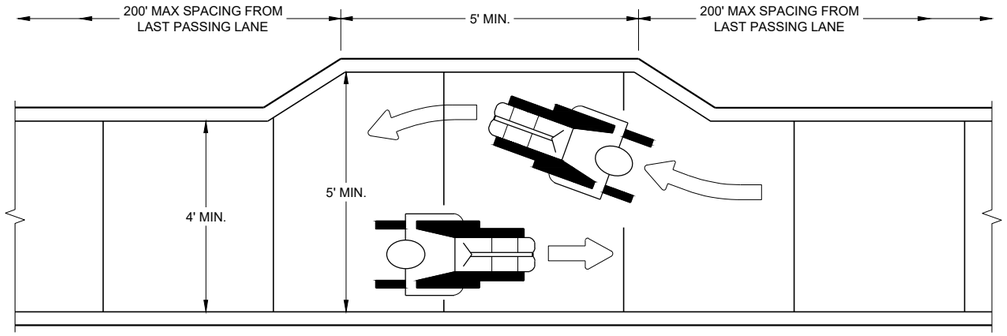
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

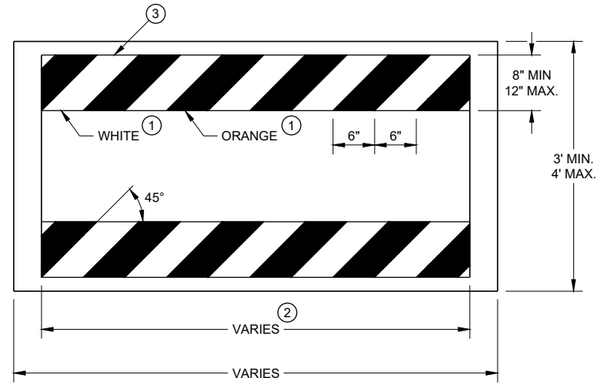
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

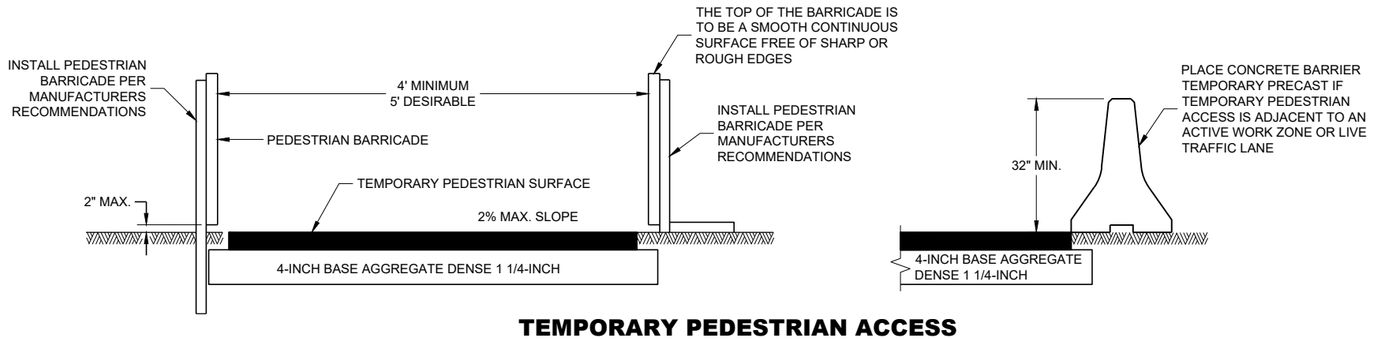
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

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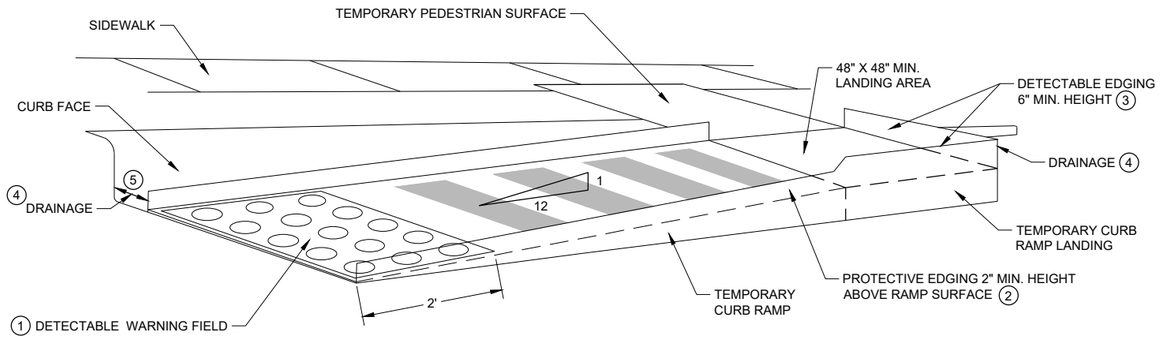
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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



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.

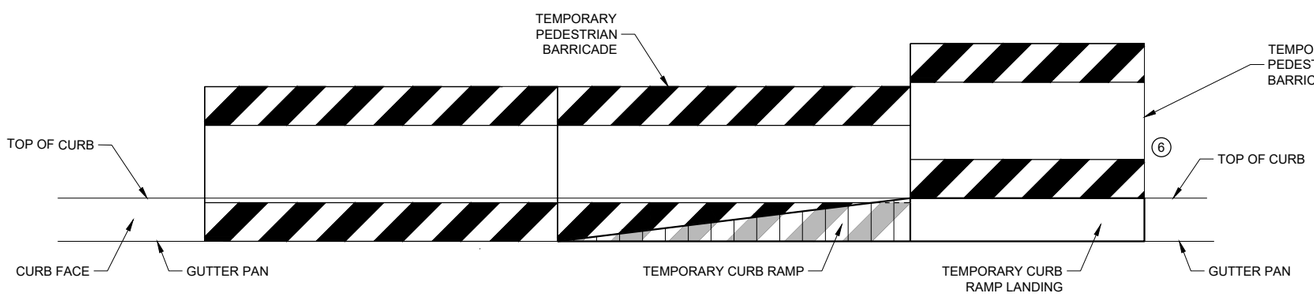
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

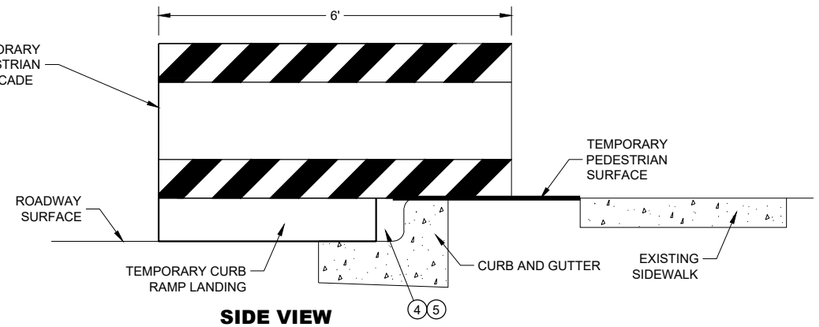
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(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

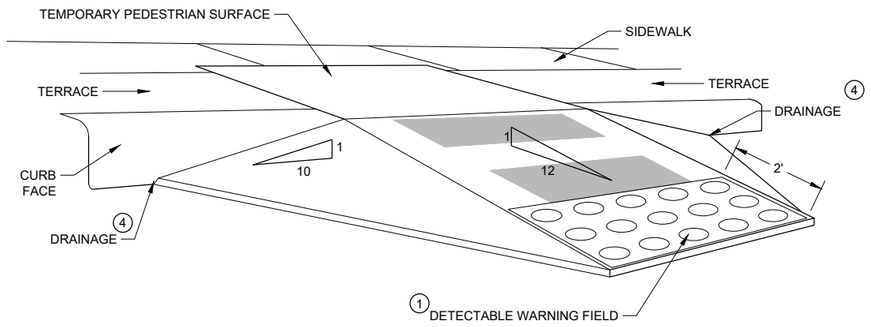
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

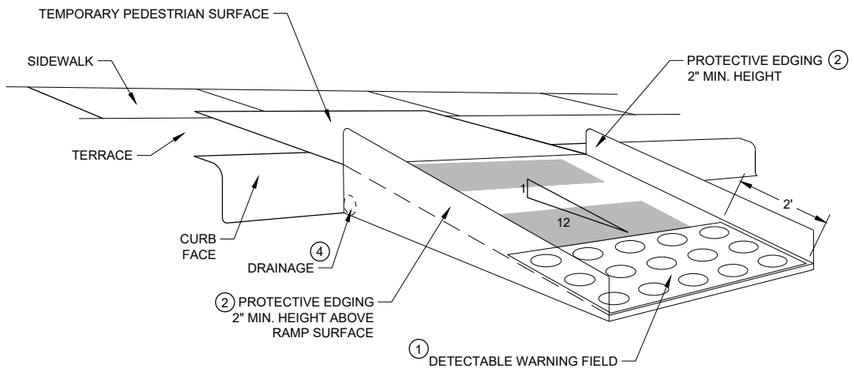
STATE OF WISCONSIN
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WITH SIDE APRON (5)



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.

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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

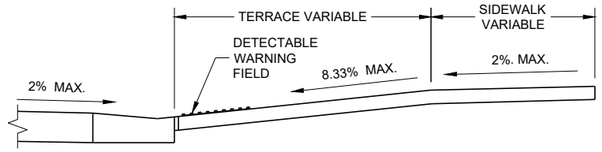
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

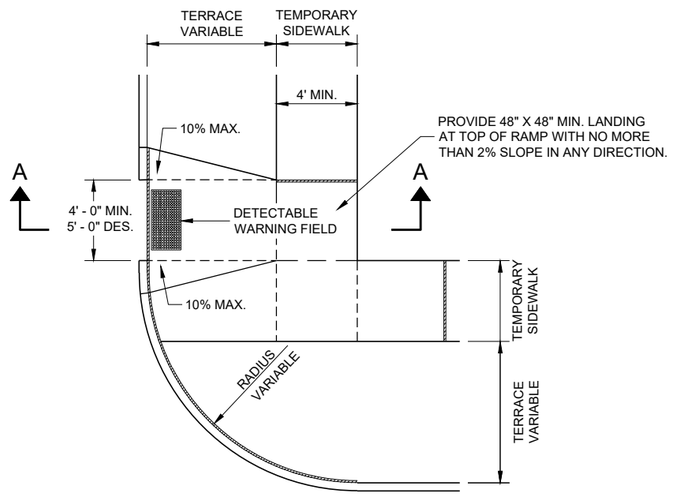
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

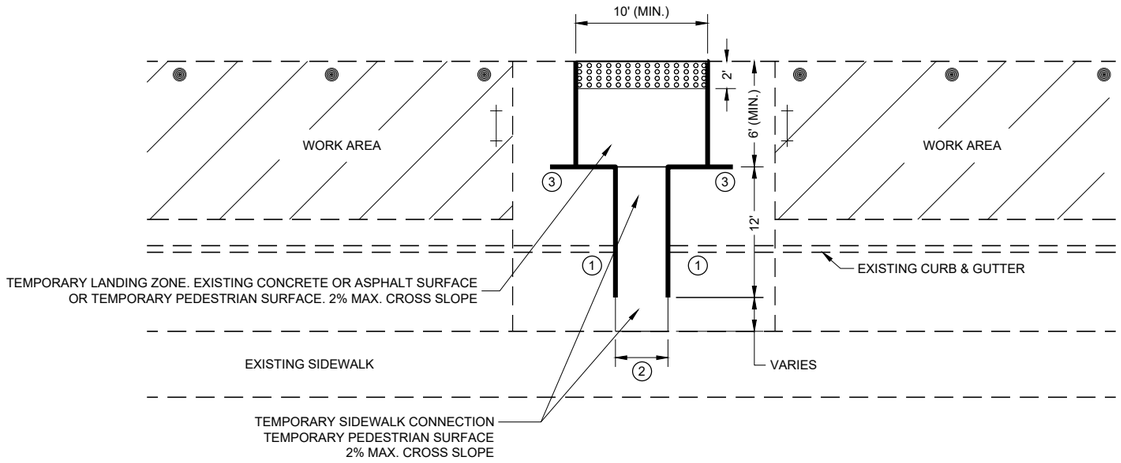
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

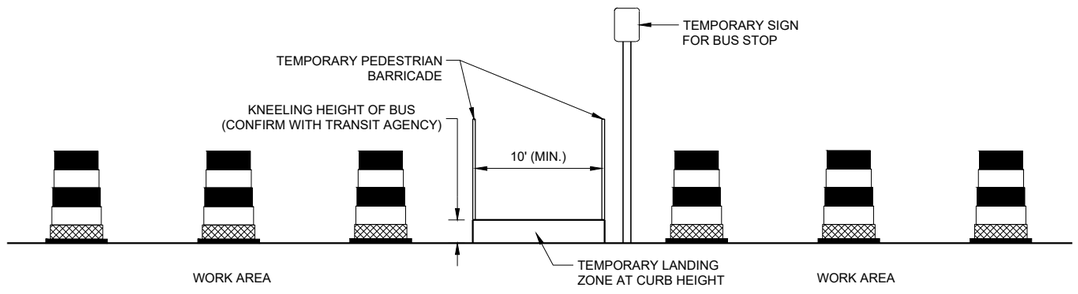
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SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

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SDD 15D30 - 09e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

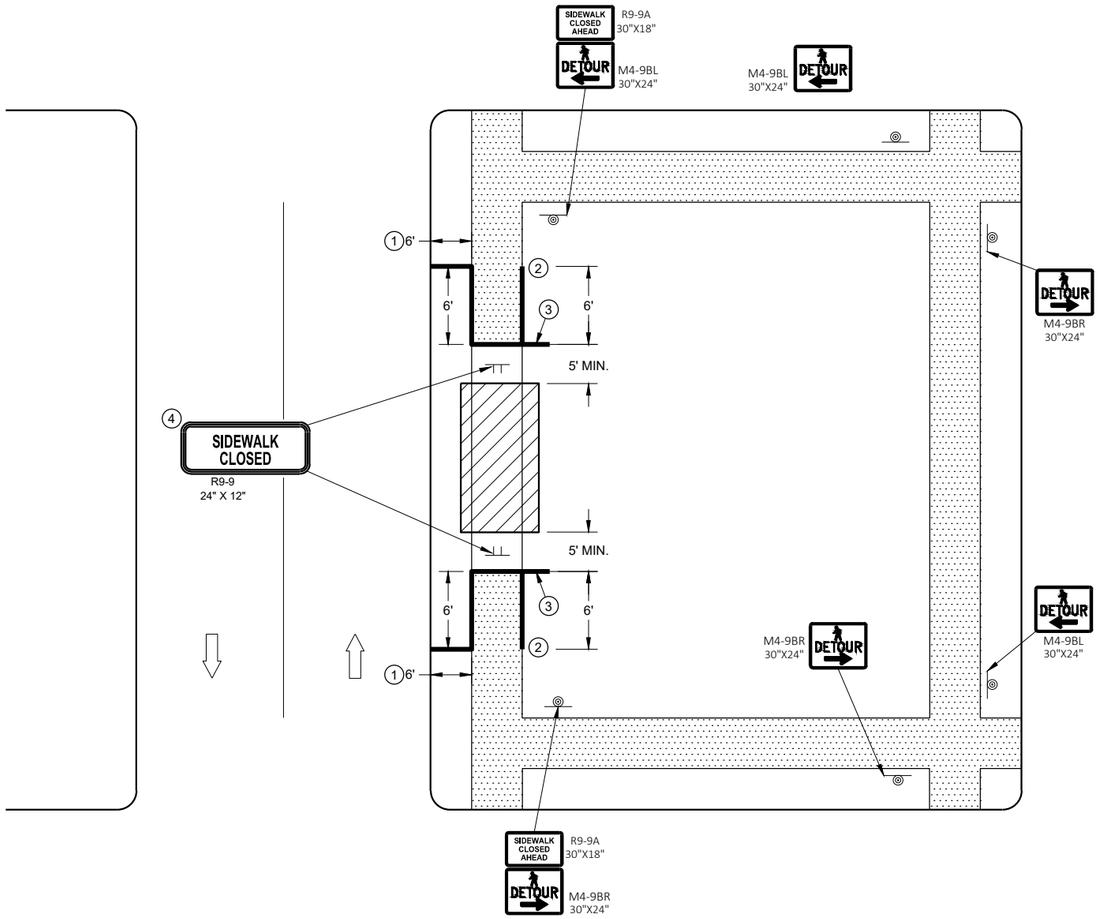
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 362

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SDD 15D30 - 09e

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

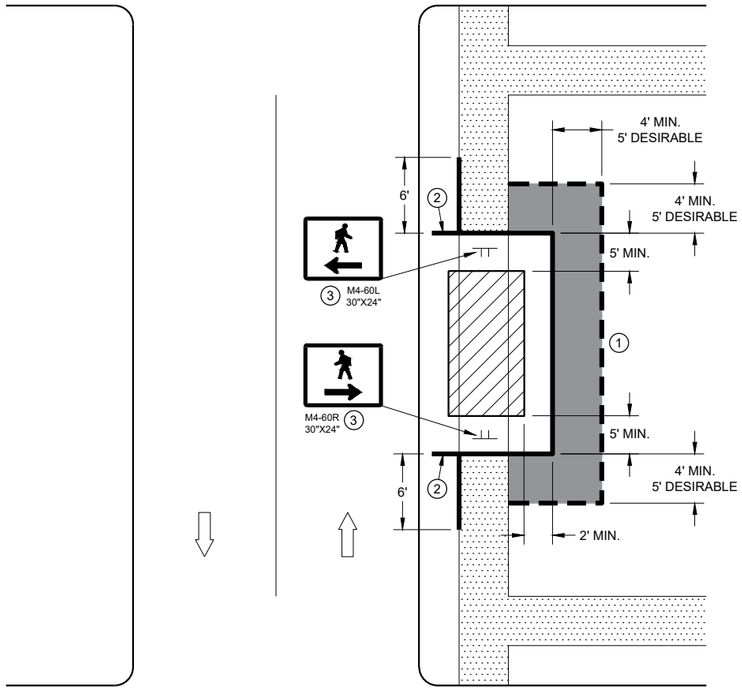
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

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SDD 15D30 - 09g

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SDD15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

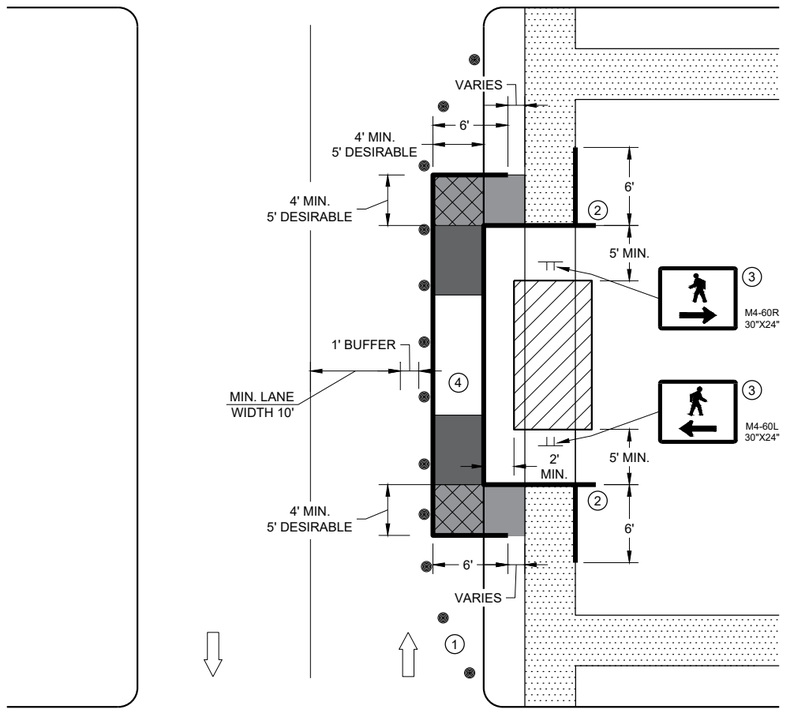
GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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 SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

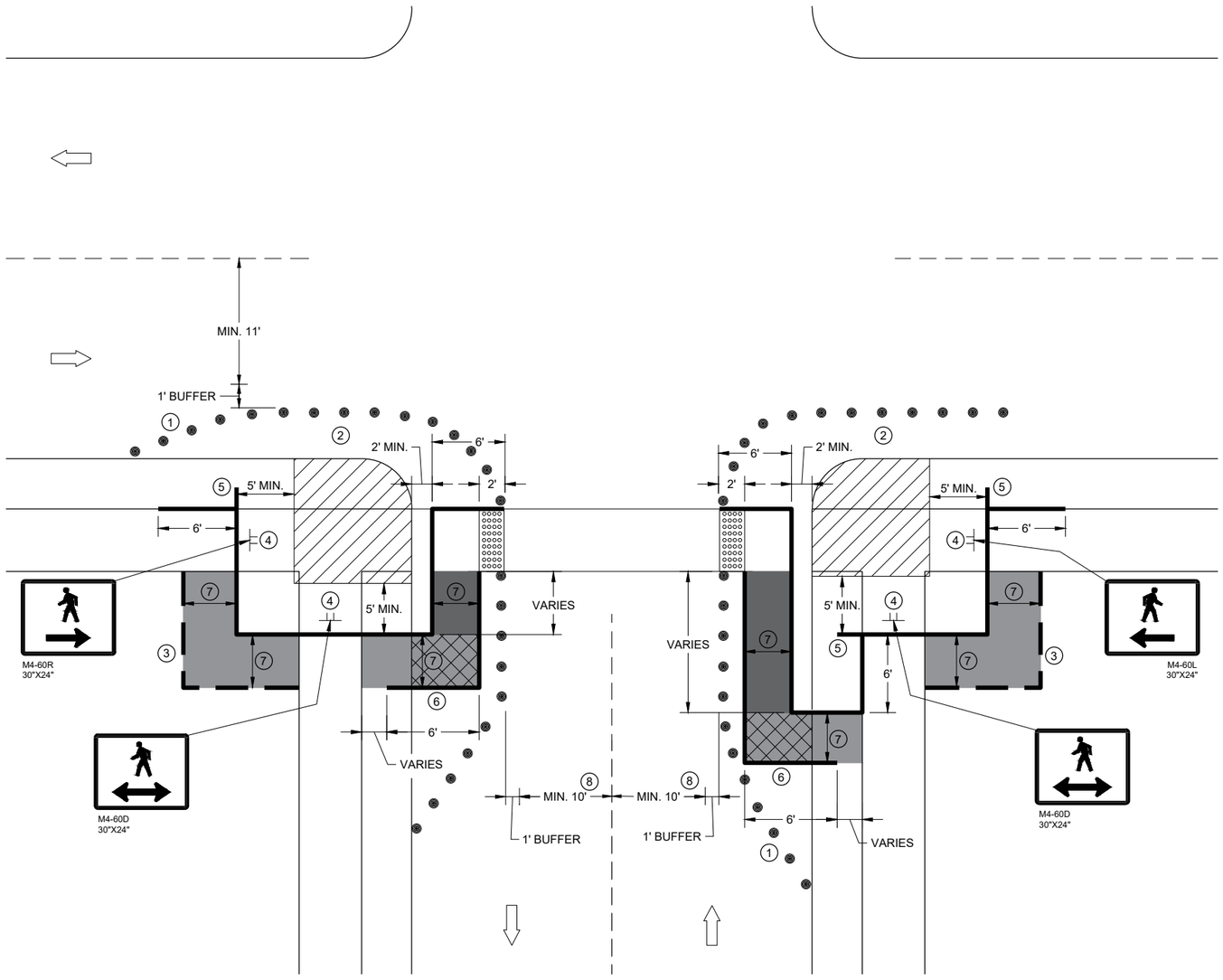
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

6

SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(7) 4 FEET MINIMUM, 5 FEET DESIRABLE

(8) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

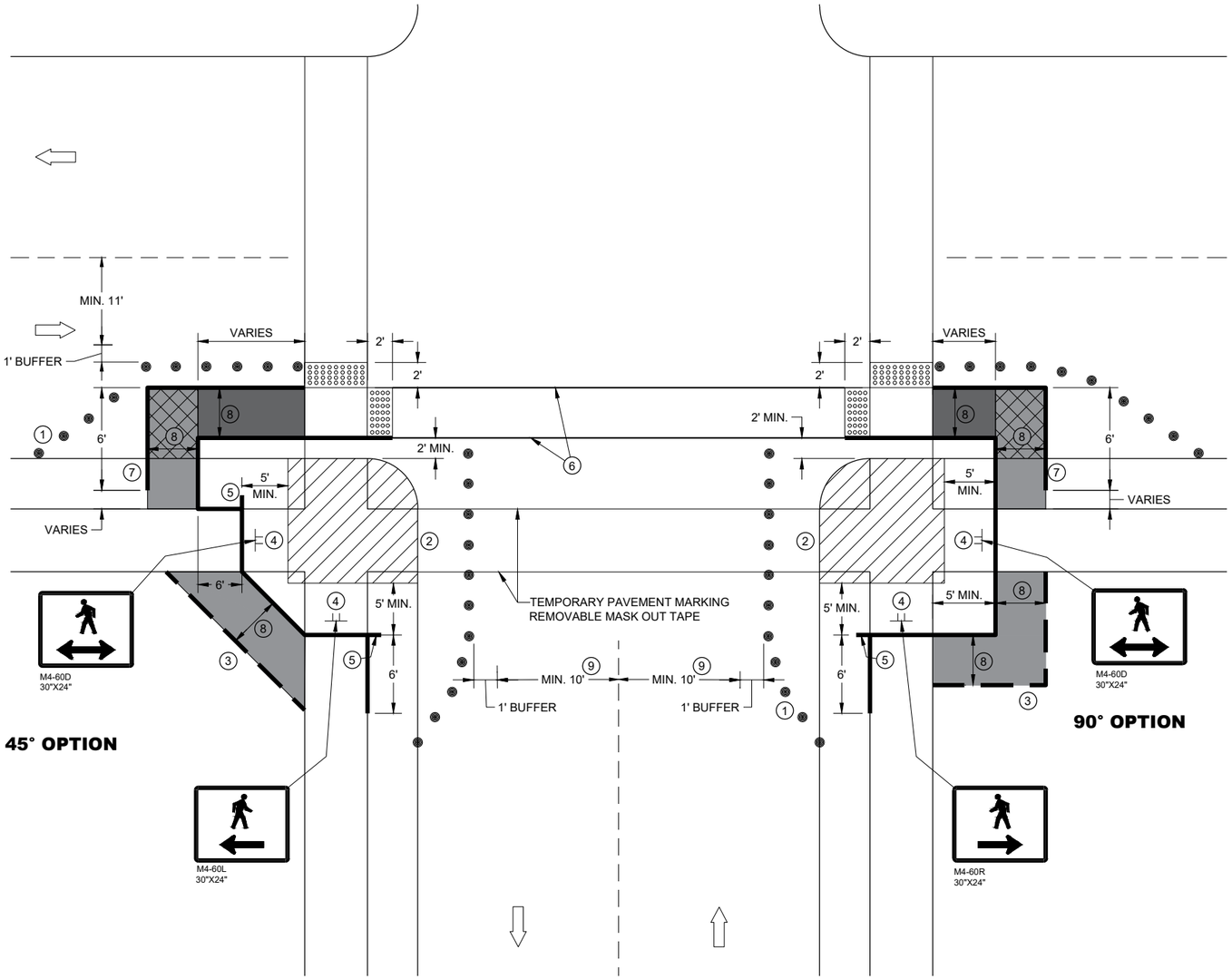
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09i

6



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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

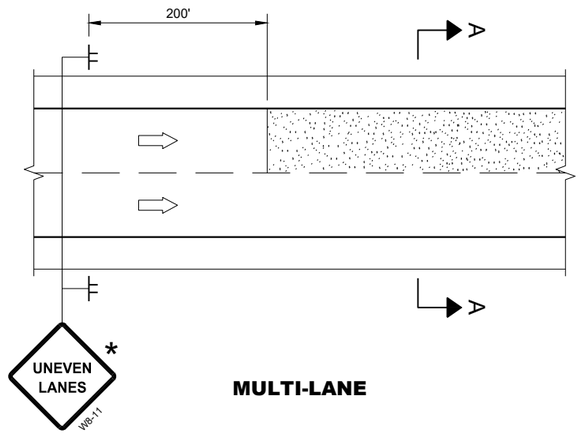
WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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.

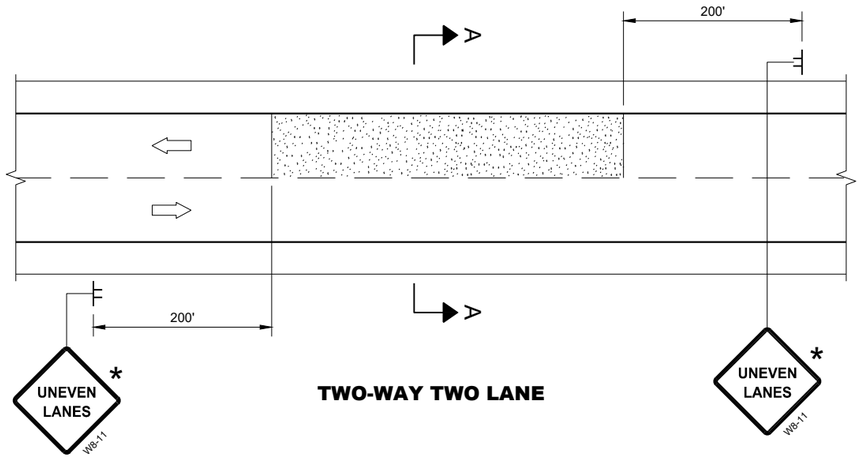
LEGEND

- 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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



MULTI-LANE



TWO-WAY TWO LANE

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.

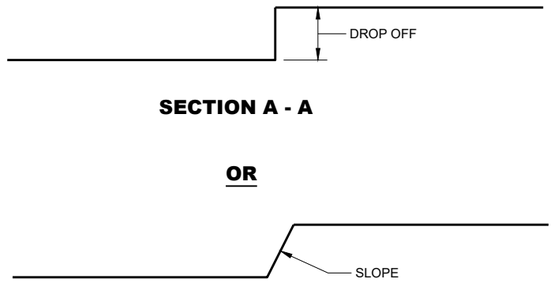
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

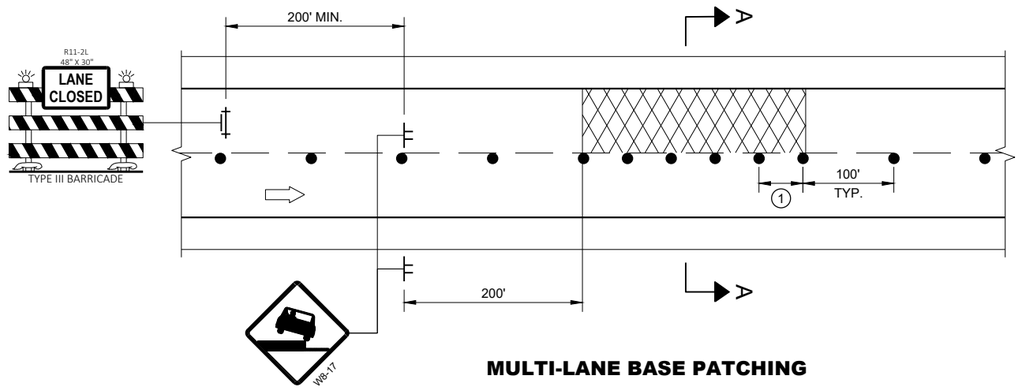
LEGEND

- 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



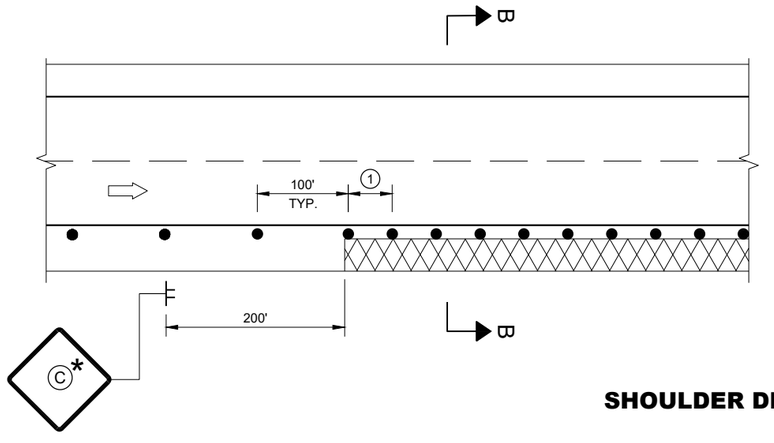
SECTION A - A

SECTION A - A

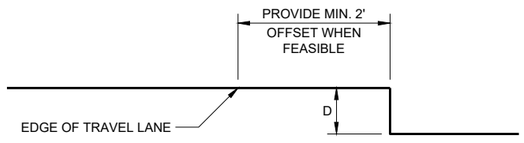


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



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
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

6

SDD 15D39 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

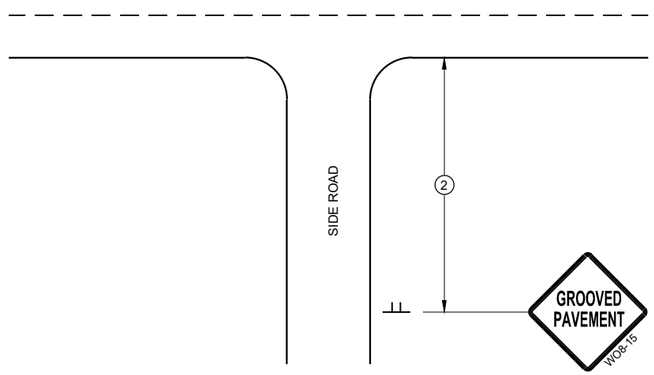
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

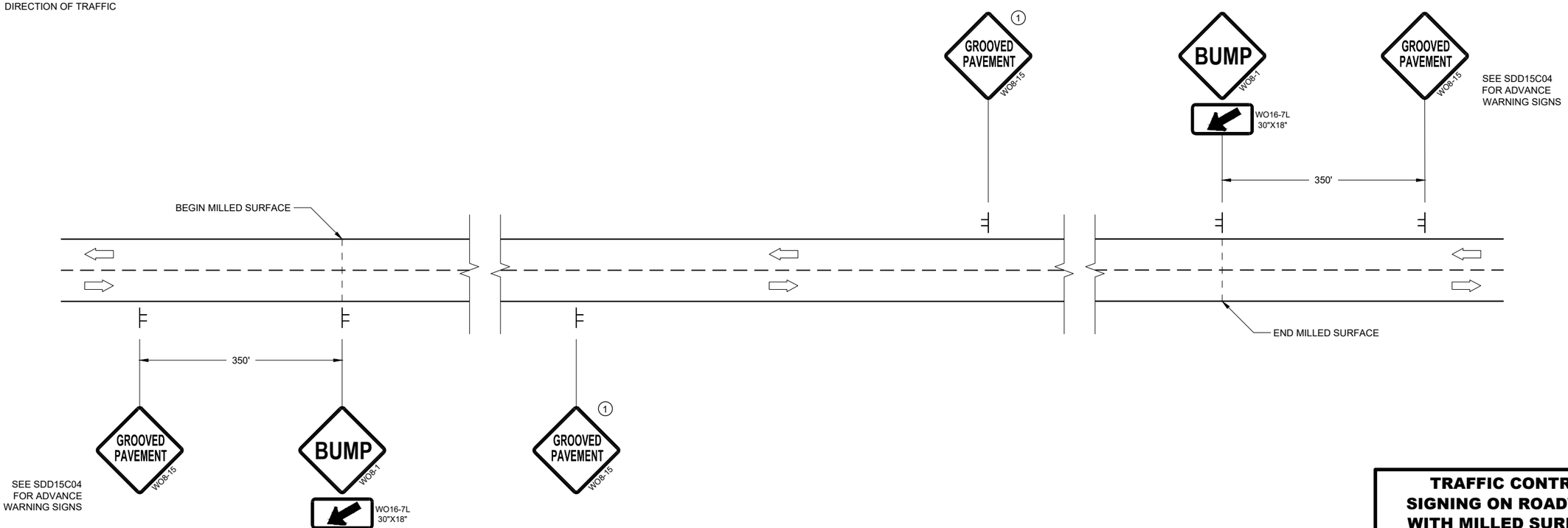
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

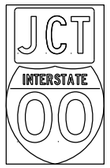
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

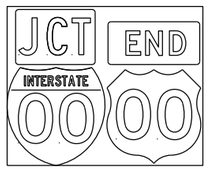
FHWA

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SDD 15D44 - 02

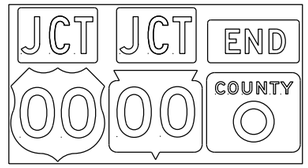
TYPICAL ASSEMBLIES



J1-1



J1-2



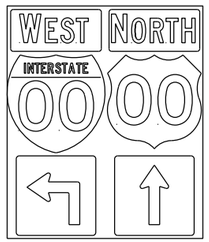
J1-3



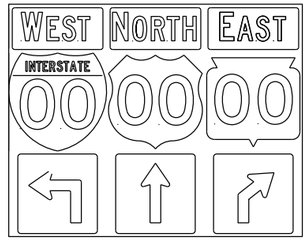
JR1-1



J2-1



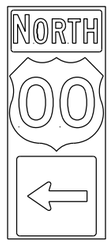
J2-2



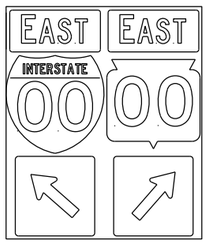
J2-3



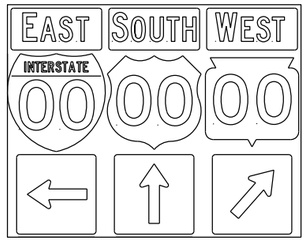
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



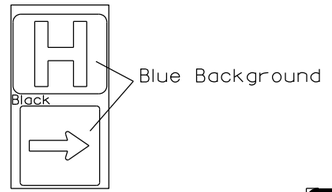
J3-1



J3-2



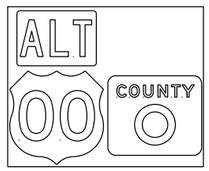
J3-3



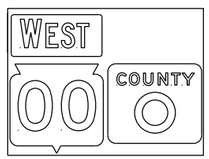
JH-1



J4-1



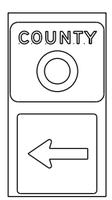
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



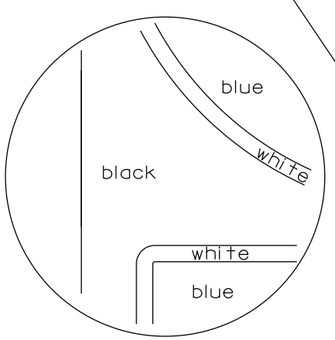
JR13-1

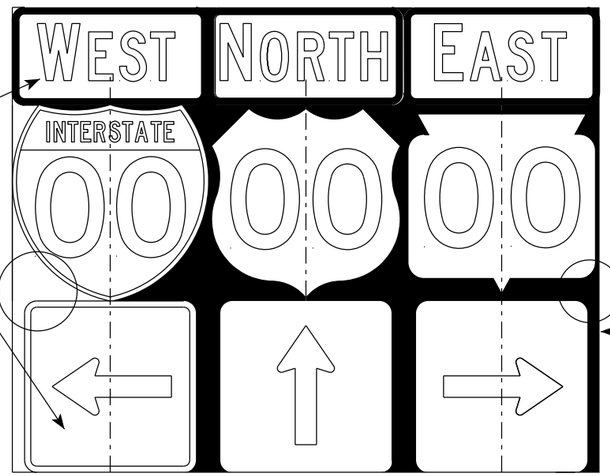


JR23-1



JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. 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.
7. 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.
8. 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.
9. 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.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 370 E

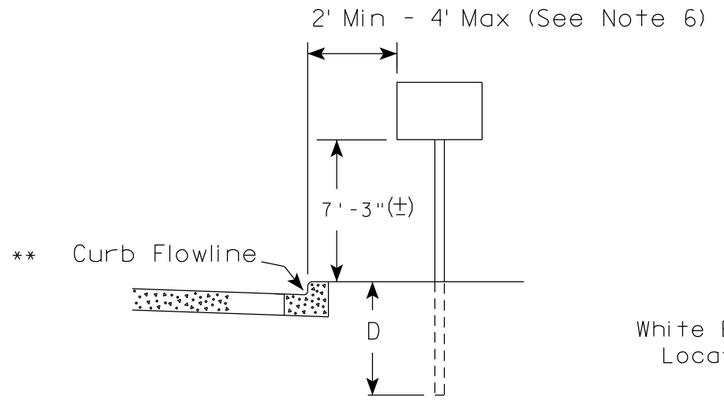
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

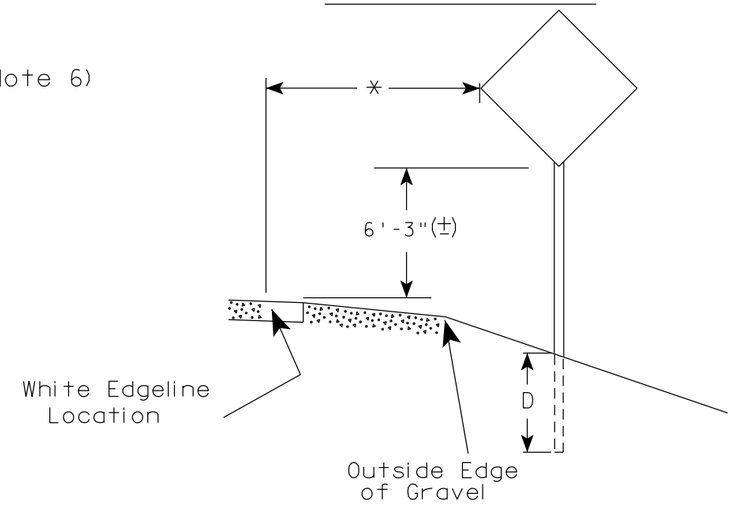
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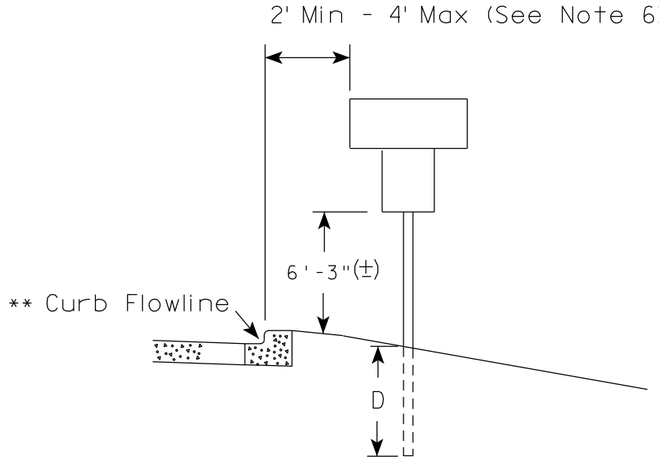
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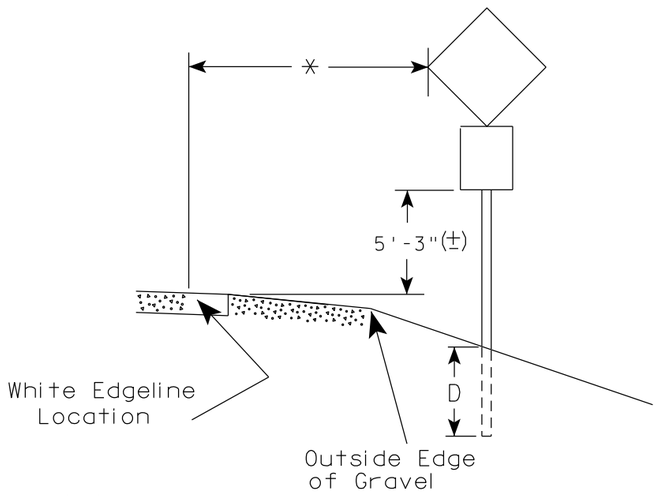
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

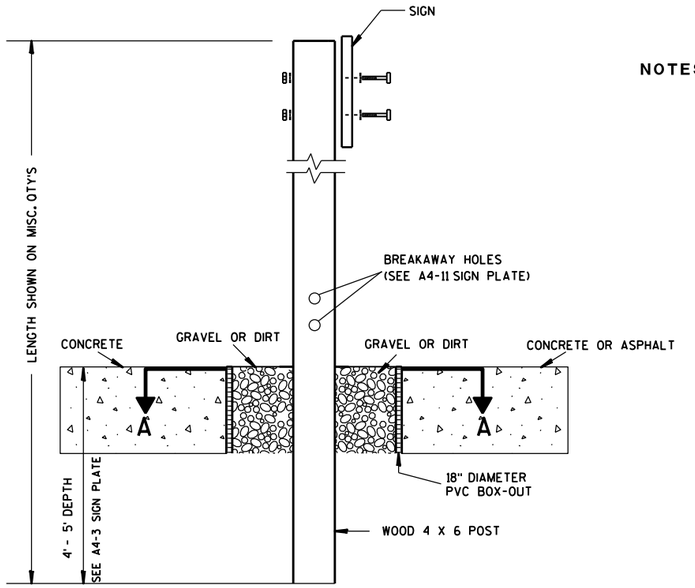
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

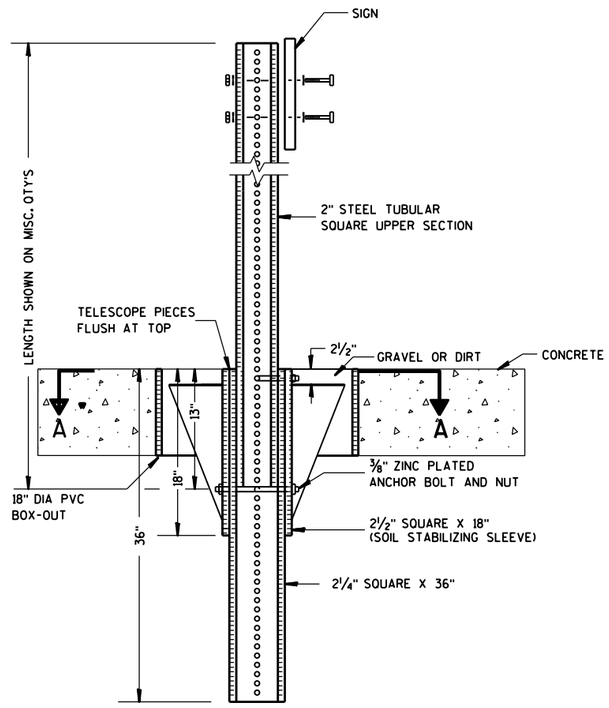
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 371	E



ELEVATION VIEW

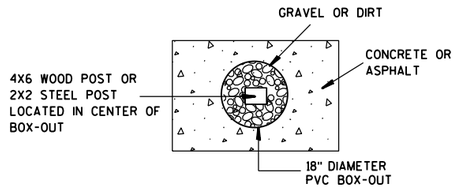
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

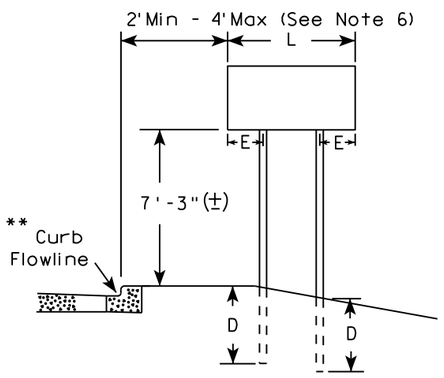
APPROVED Matthew R Rauch
for State Traffic Engineer

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

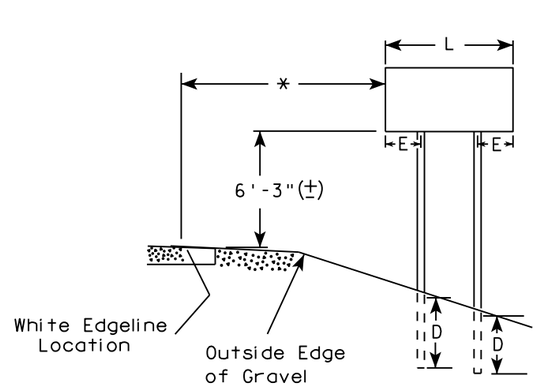
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

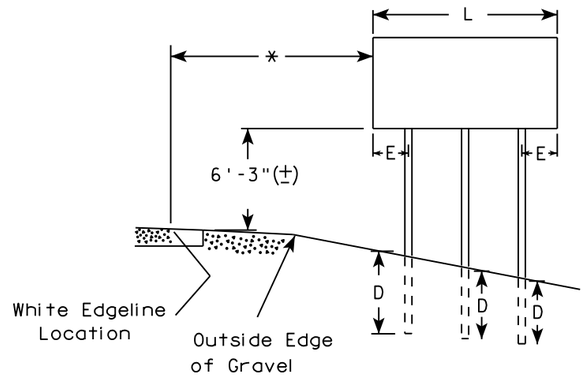
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

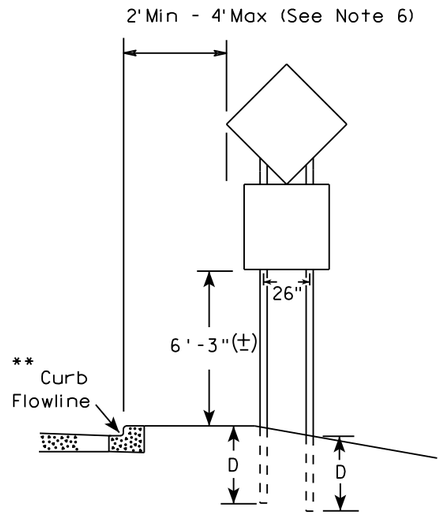
URBAN AREA



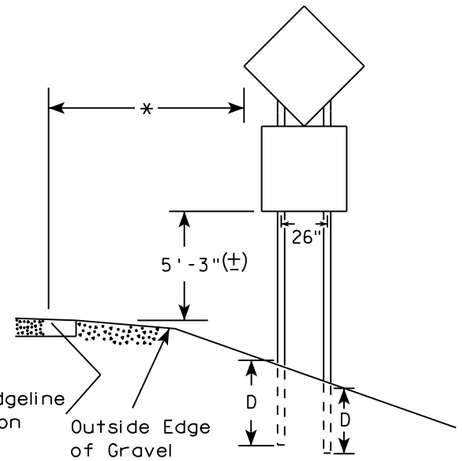
RURAL AREA (See Note 3)







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" (±) or 6'-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" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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" (±).

* 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'

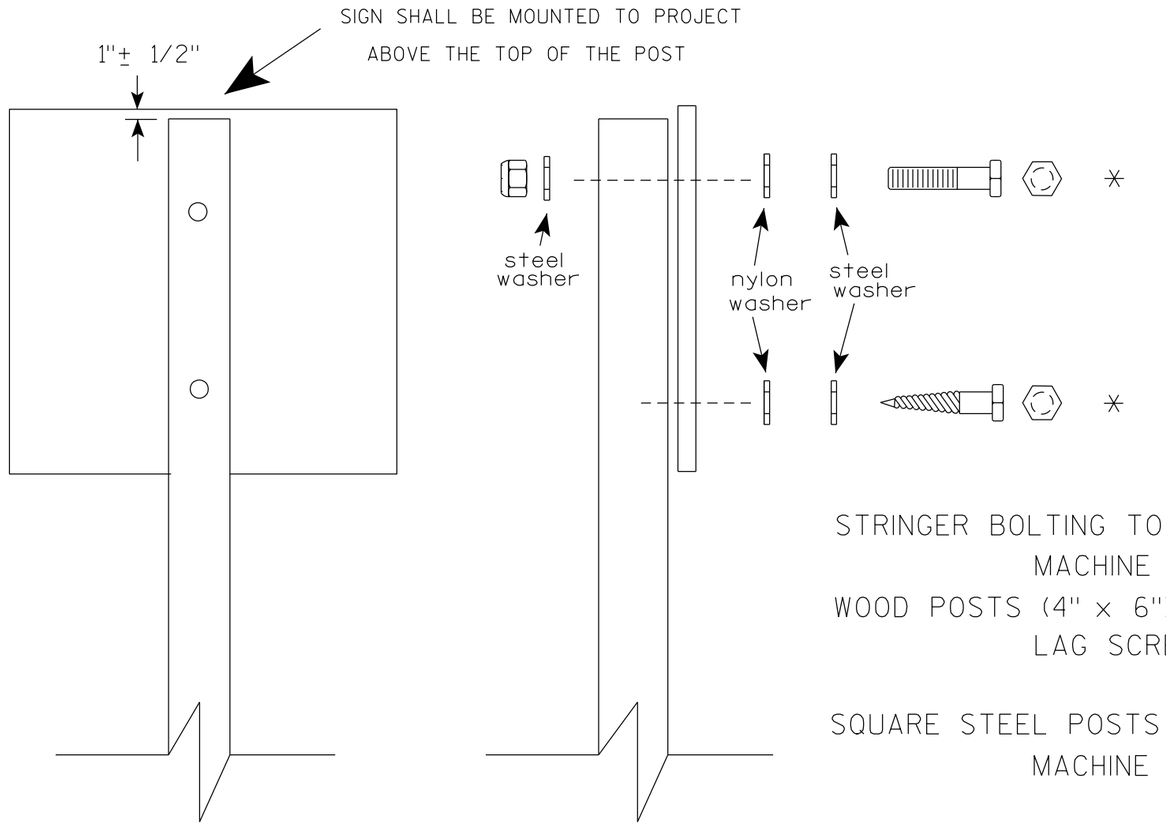
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 373	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

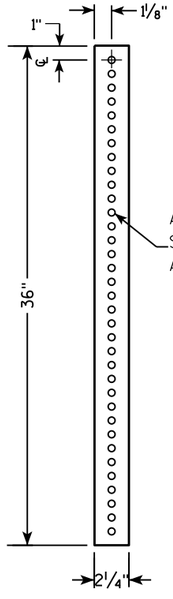
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

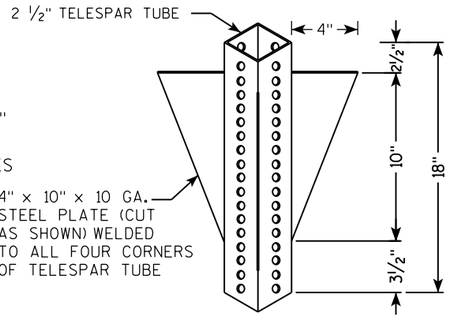
SHEET NO: 374 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

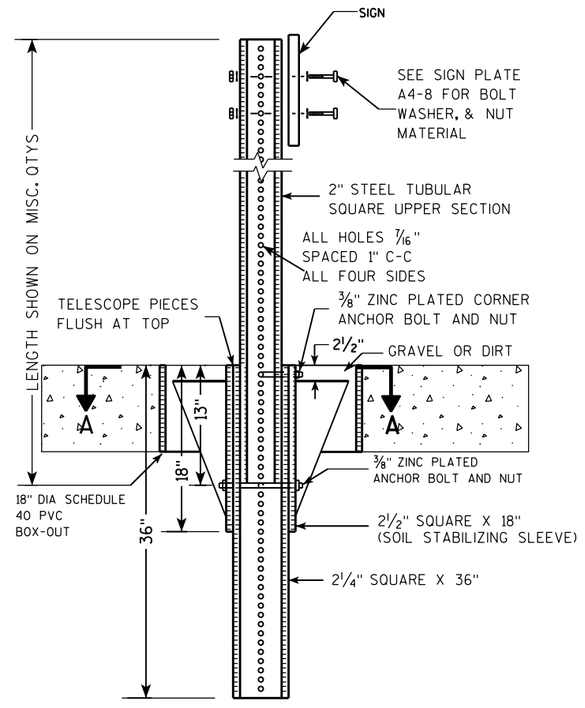
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



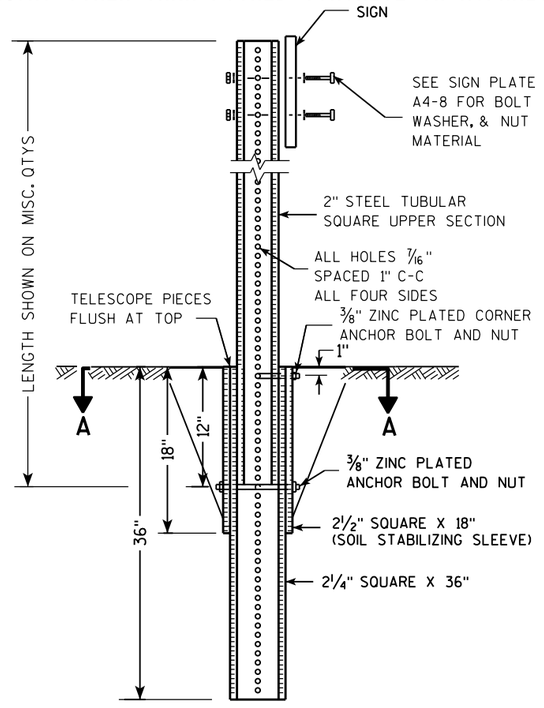
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

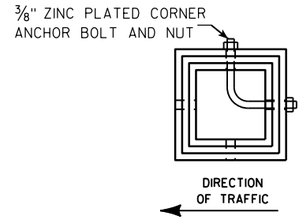


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

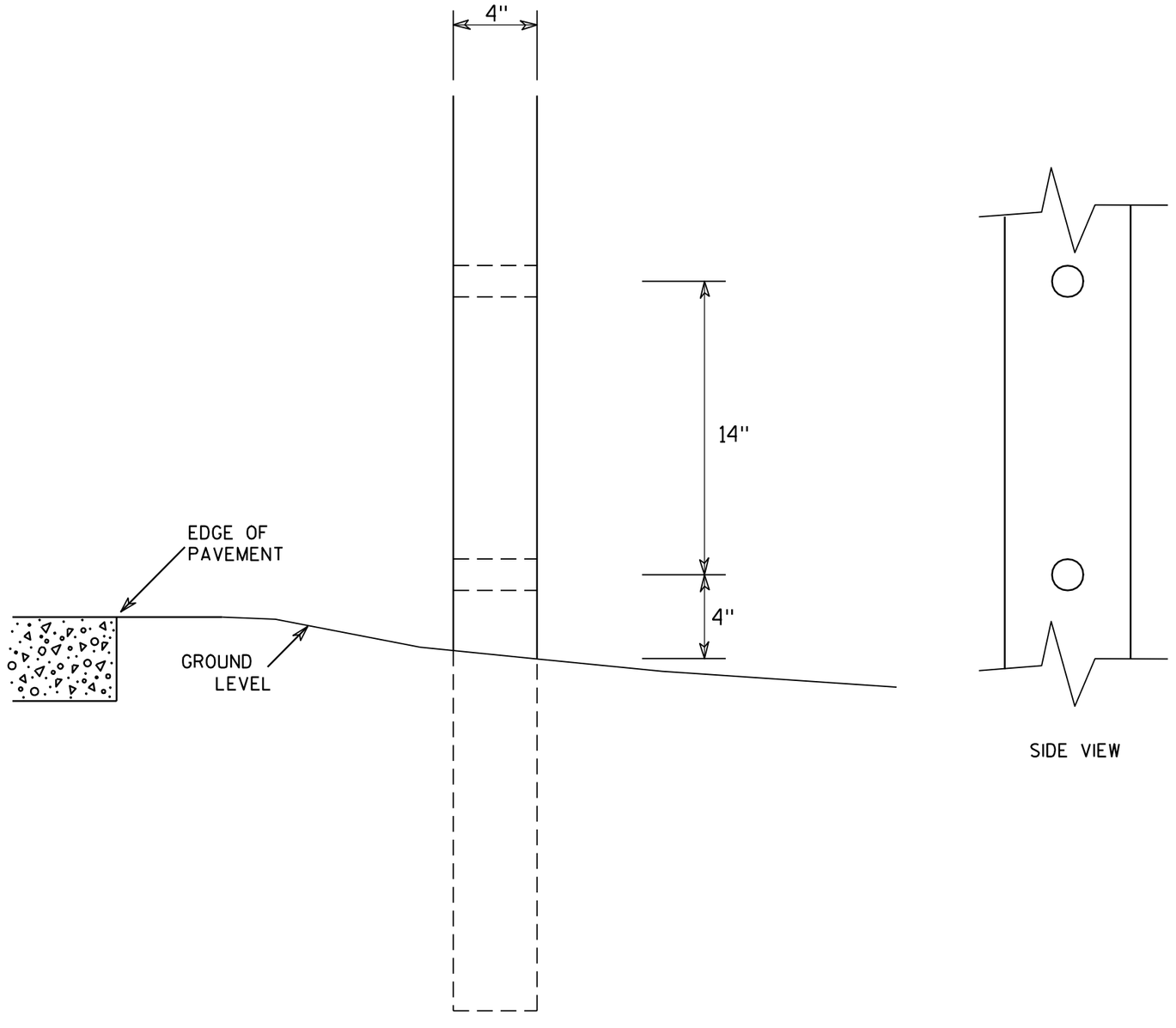
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 375 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

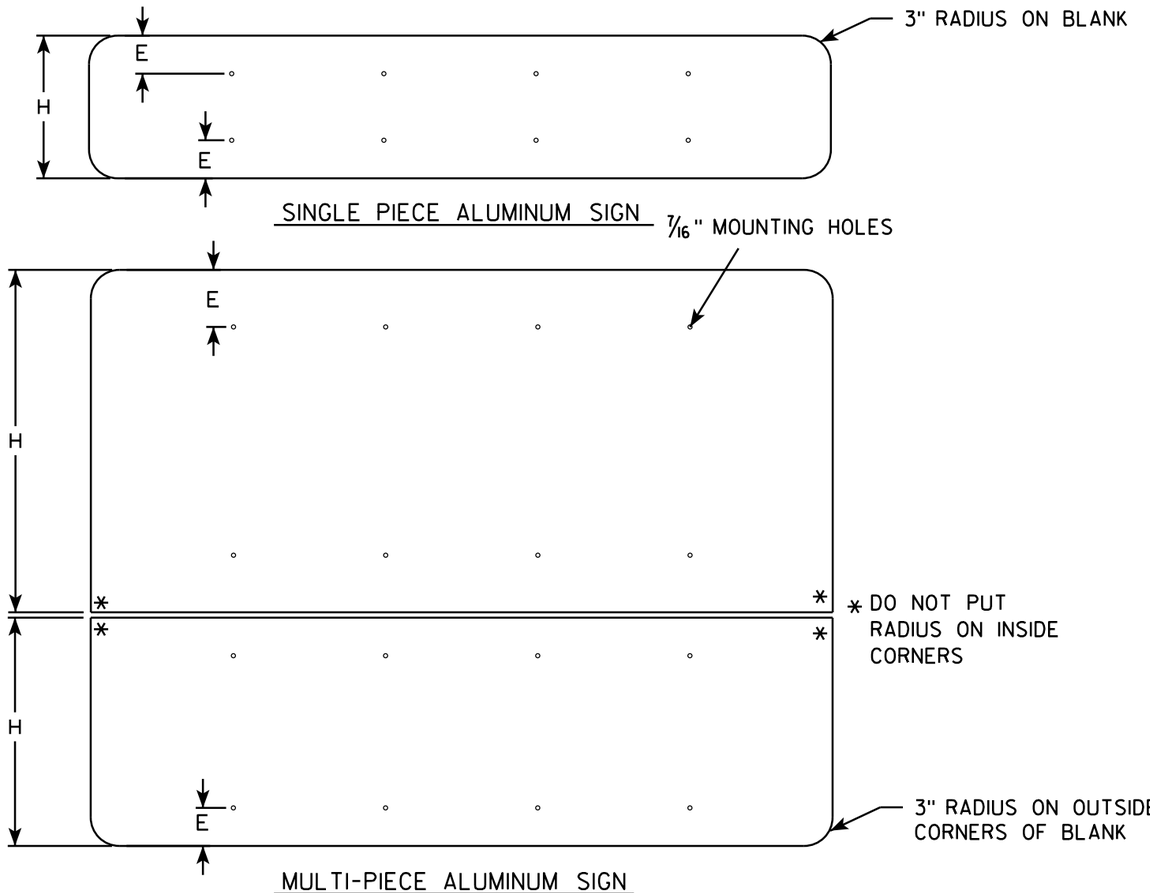
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

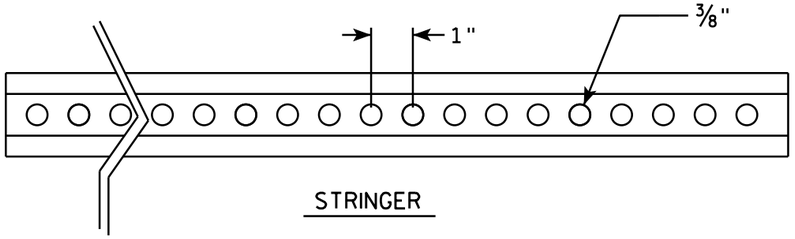
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 376	E



GENERAL NOTES

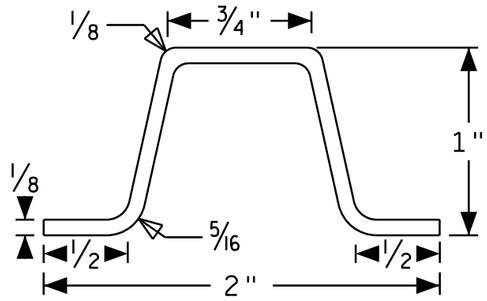
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

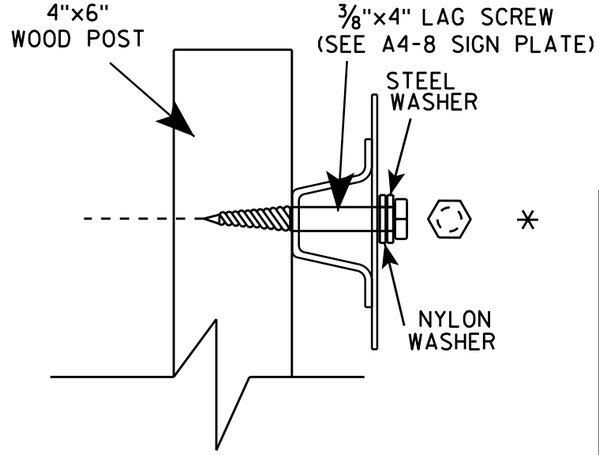


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

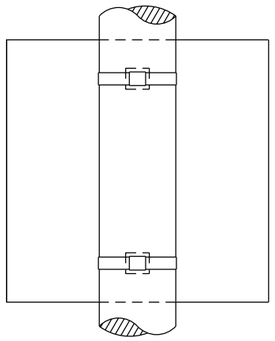
DATE 4/26/16 PLATE NO A4-18.1

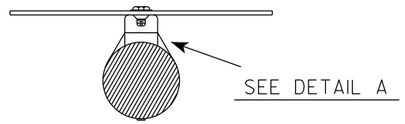
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

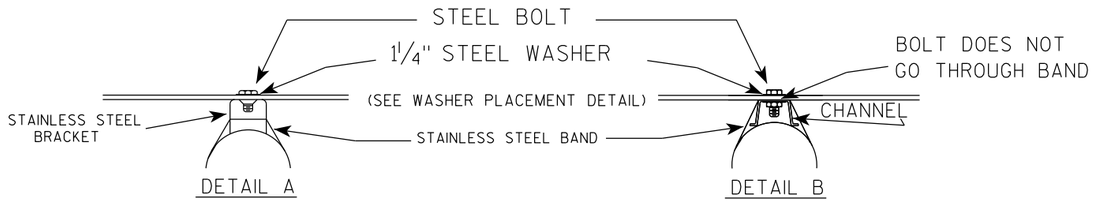
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BANDING

SINGLE SIGN



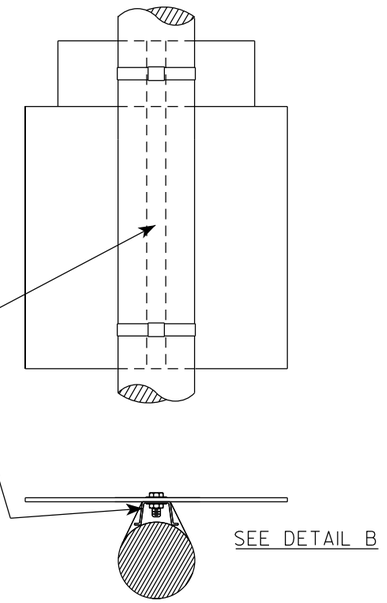




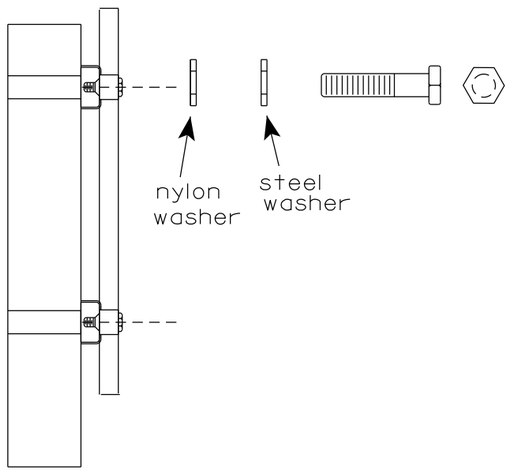
GENERAL NOTES

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

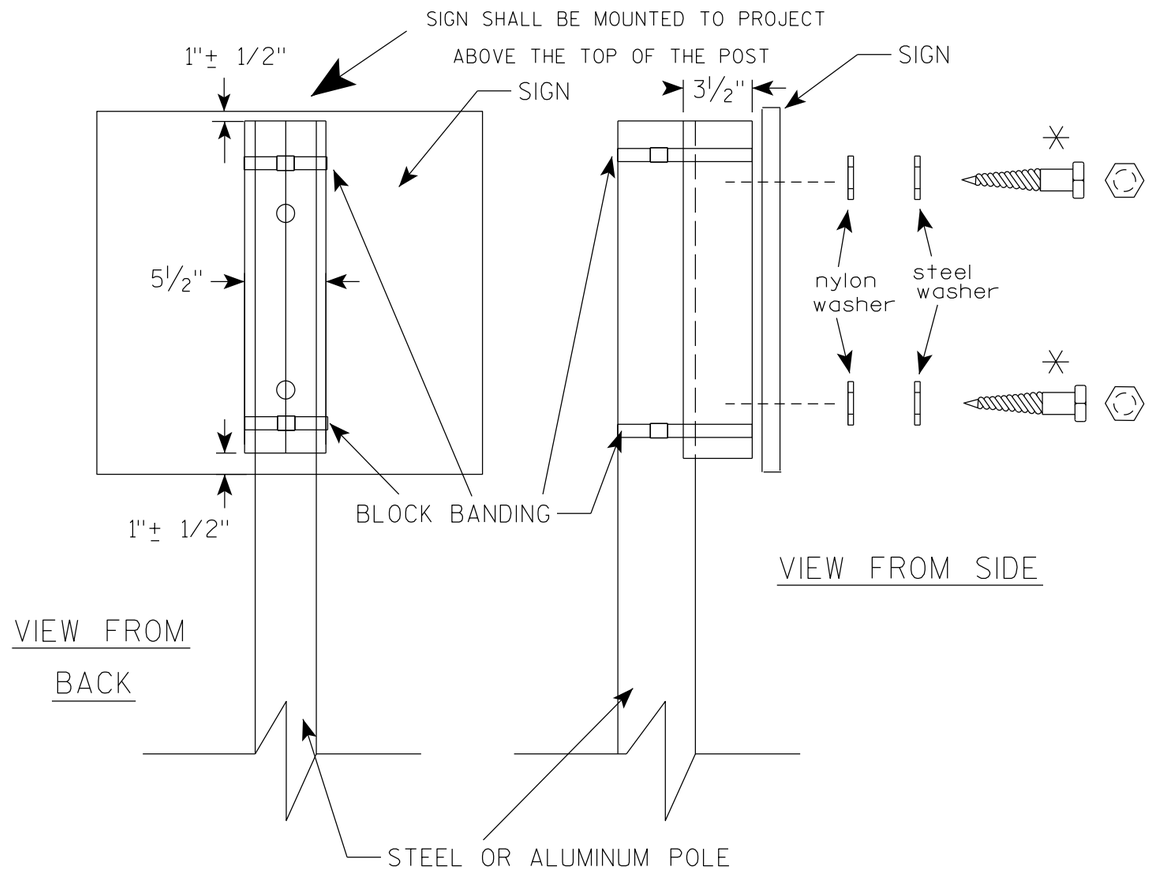
DATE 6/10/19 PLATE NO. A5-9.4

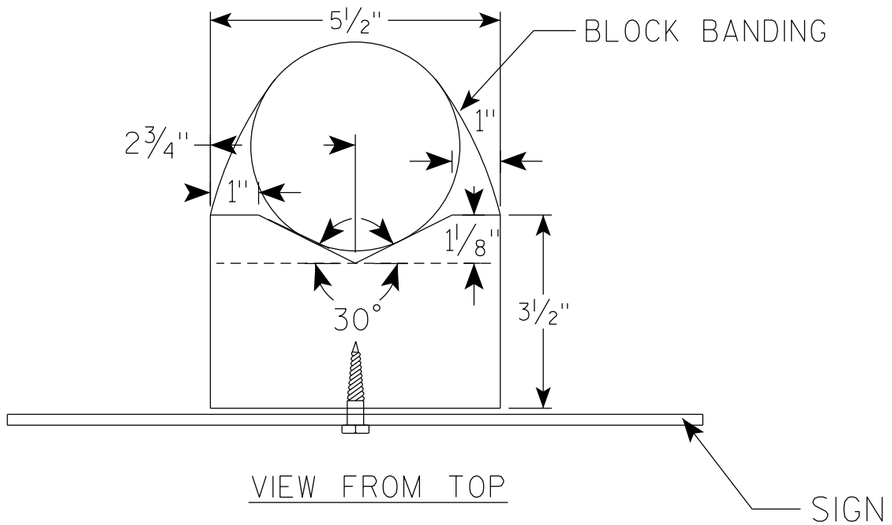
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E

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)

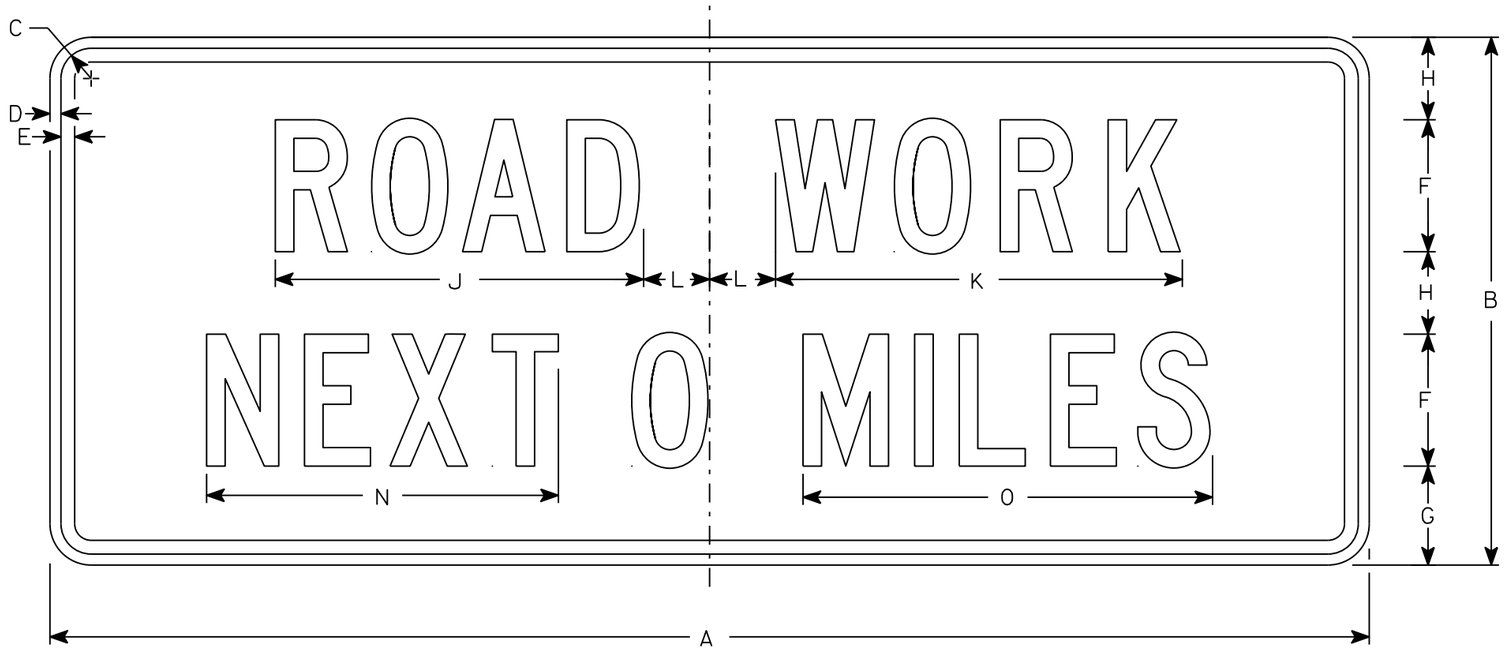
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 379 E



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and 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																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10
5																											

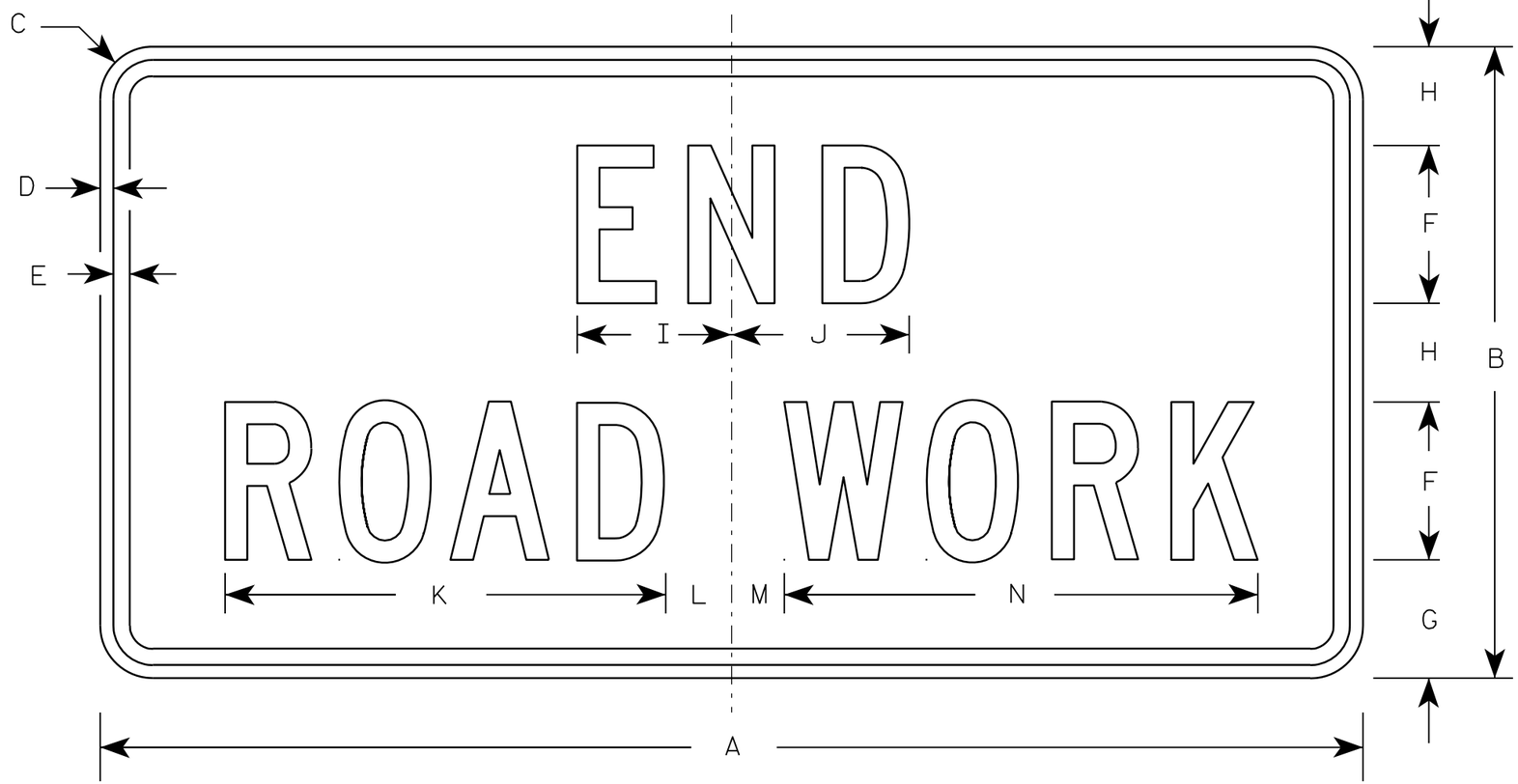
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 380	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

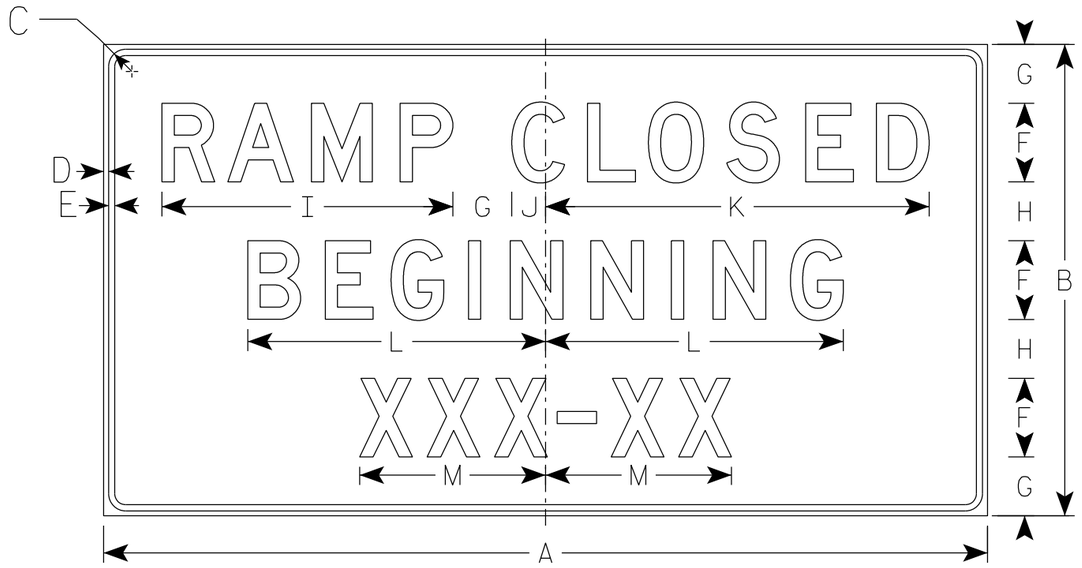
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 381	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



G20-58

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	72	36	1 5/8	5/8	3/4	6	5	4	22 1/4	2 3/8	29 1/2	22 3/4	14 1/4														18.0
3	90	48	1 5/8	5/8	3/4	8	6	6	29 5/8	3 3/8	39	30 3/8	19														30.0
4																											
5																											

STANDARD SIGN
G20-58

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/19/2020 PLATE NO. G20-58.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 382 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - E
4. Material shall be .040 aluminmum



G20-60

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																											
3																											
4	108	24				12	6	14 7/8	78 1/4																		18.0
5																											

STANDARD SIGN
G20-60

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/15 PLATE NO G20-60.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G2060.DGN PLOT DATE : 13-MAY-2015 08:46 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 20.431338:1.000000
WISDOT/CADDS SHEET 42

7

NOTES

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



G20-61

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																											
3																											
4	120	30	6		2	12	9	21	78 1/4	20 3/4																	25.0
5																											

STANDARD SIGN
G20-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

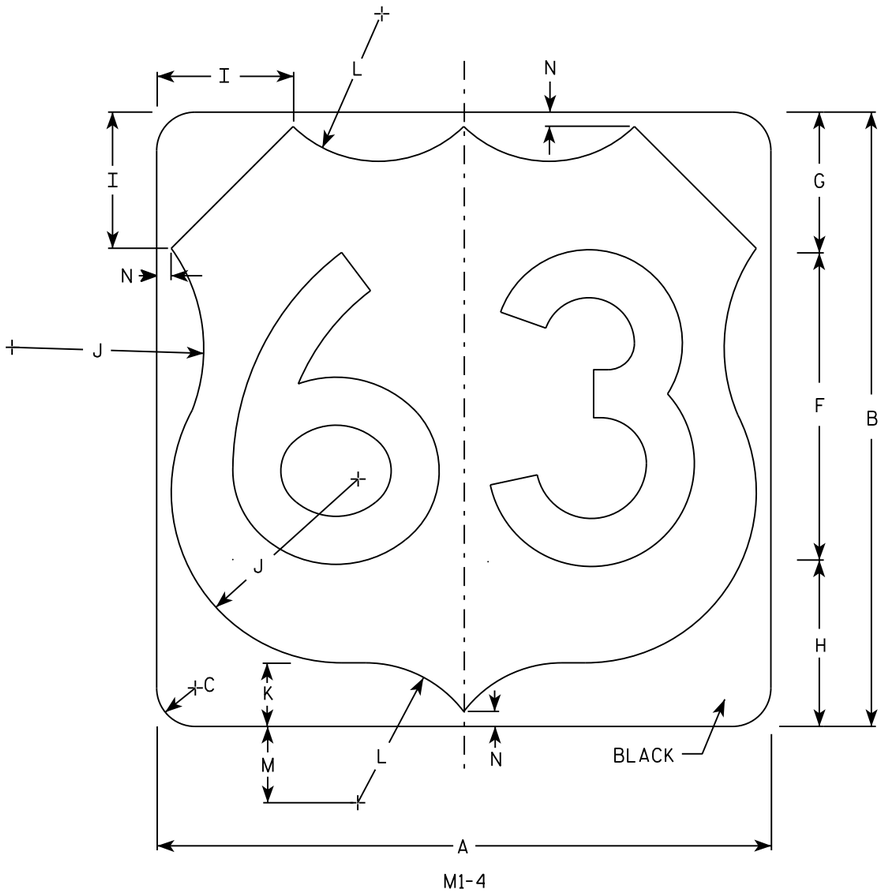
DATE 5/07/15 PLATE NO G20-61.1

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

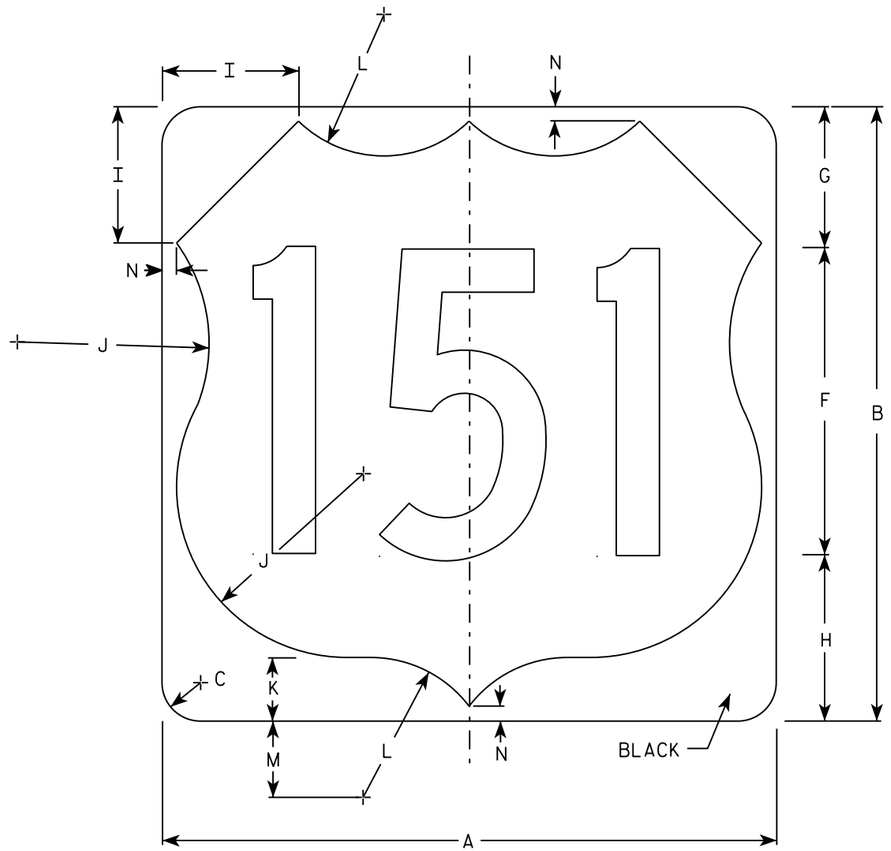
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\G2061.DGN PLOT DATE : 07-MAY-2015 13:47 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 20.431338:1.000000 WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
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.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

USH MARKER
M1-4 FOR ASSEMBLIES

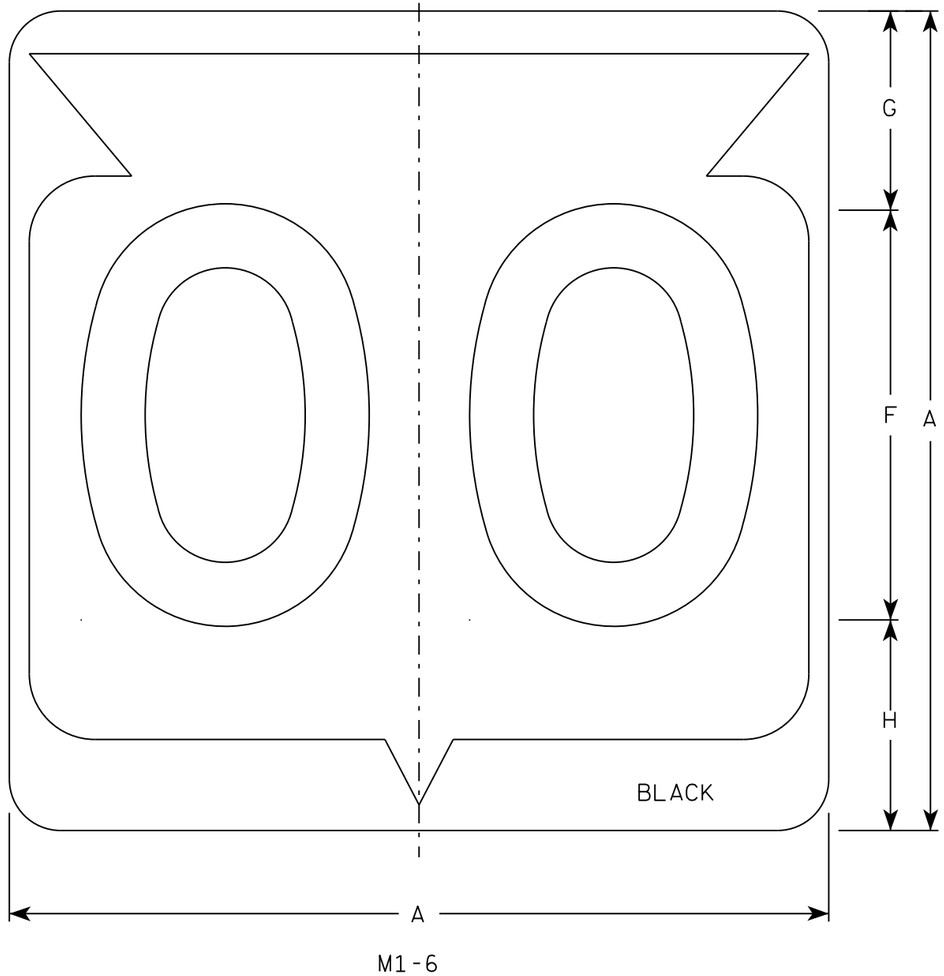
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 385 | E

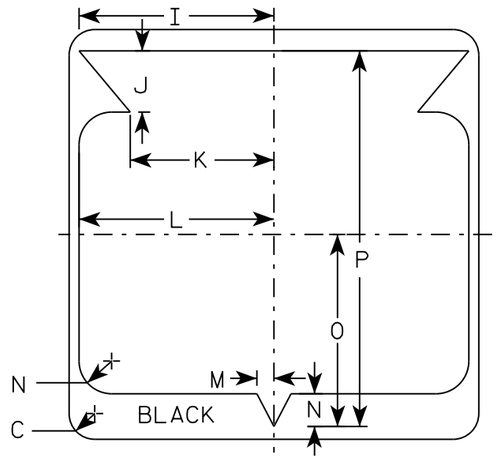
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M14.DGN PLOT DATE : 16-MAR-2018 14:06 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.918903:1.000000
WISDOT/CADDS SHEET 42



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
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		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

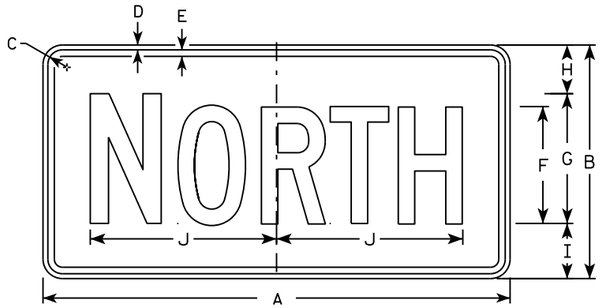
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

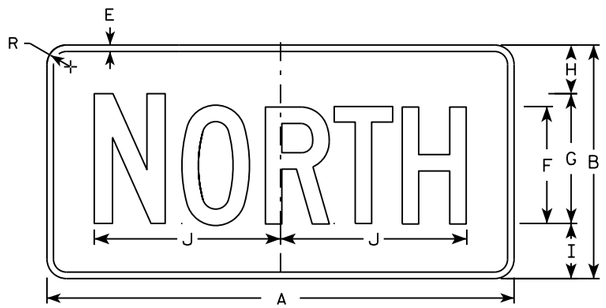
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 386	E



M3-1
MM3-1
MP3-1



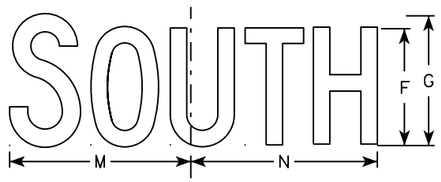
MB3-1
MK3-1
MN3-1



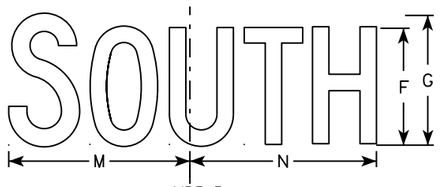
M3-2
MM3-2
MP3-2



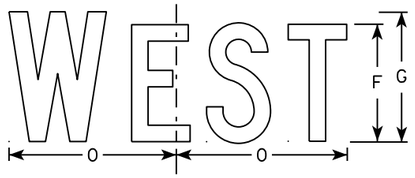
MB3-2
MK3-2
MN3-2



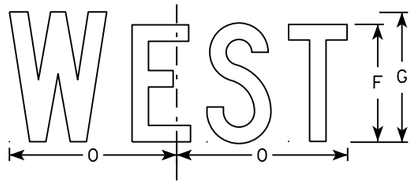
M3-3
MM3-3
MP3-3



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
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																											
2	24	12	1 1/8	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			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

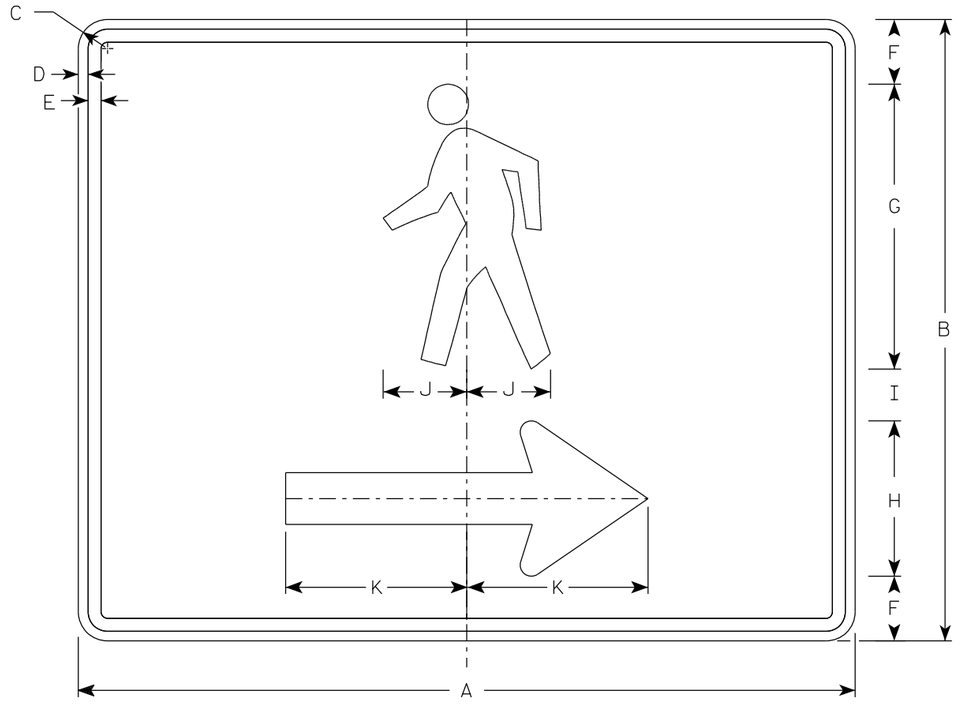
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

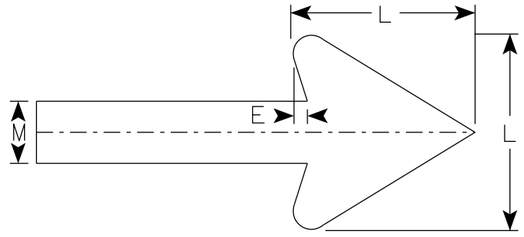
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-60R

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. M4-60L is the same as M4-60R 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 1/8	3/8	1/2	2 1/2	11	6	2	3 1/4	7	6	2														5.00
3																											
4																											
5																											

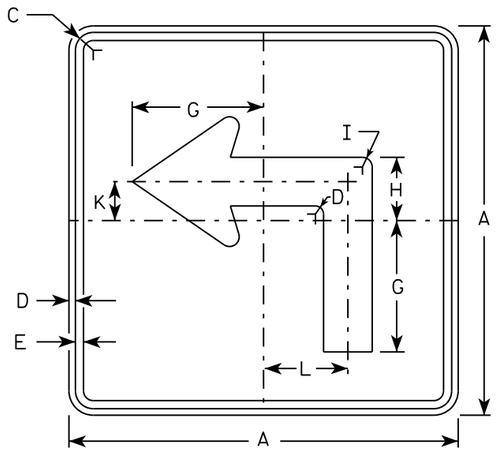
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

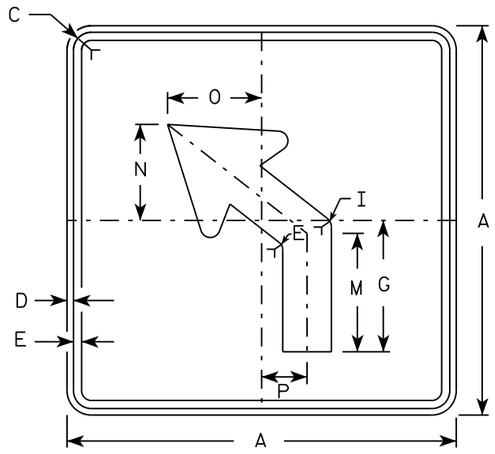
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/16/2021 PLATE NO. M4-60.1

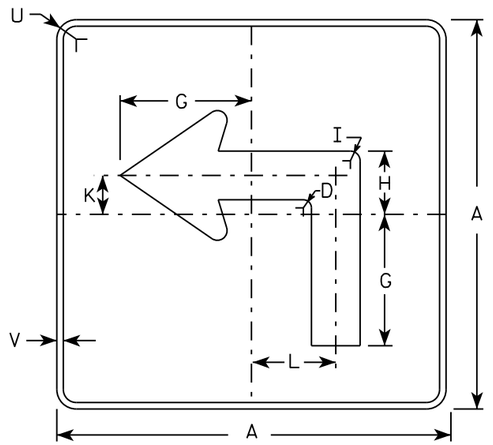
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 388 | E



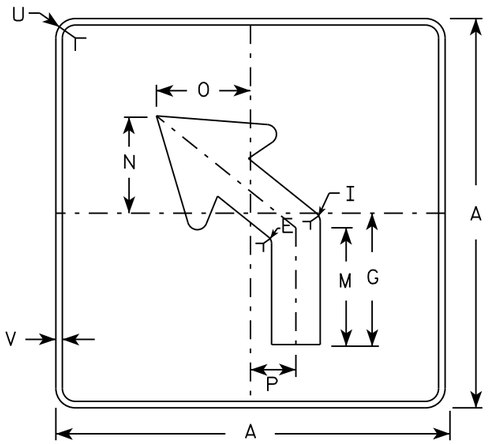
M5-1L
MM5-1L
MO5-1L
MP5-1L



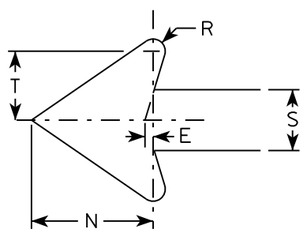
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   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.

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	21		1 1/8	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 1/2	1/2					3.06
3	30		1 3/8	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 7/8	1/2					6.25
4	30		1 3/8	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 7/8	1/2					6.25
5	30		1 3/8	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 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

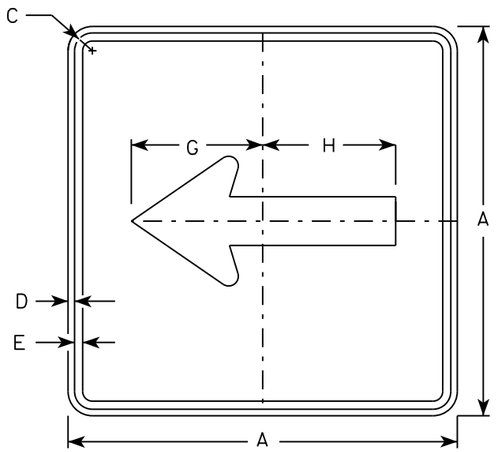
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

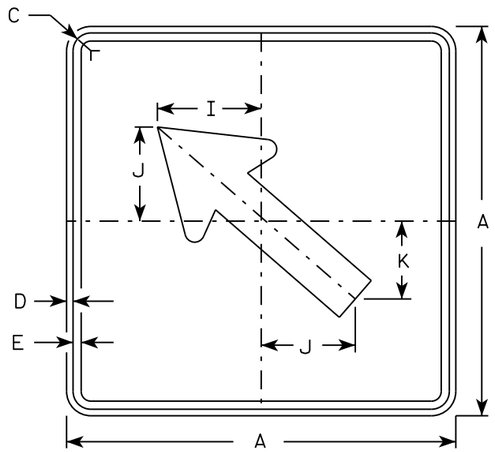
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



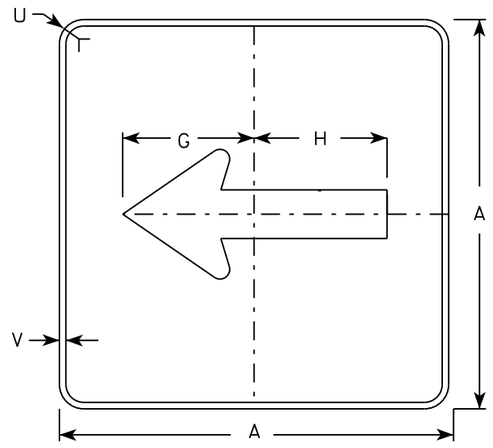
M6-1
MM6-1
MO6-1
MP6-1



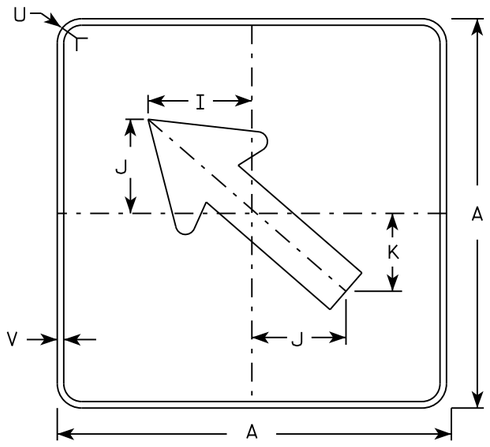
M6-2
MM6-2
MO6-2
MP6-2

NOTES

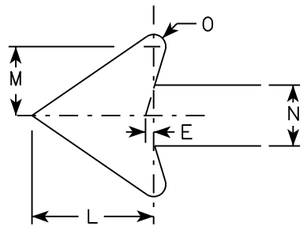
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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	21		1 1/8	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 1/2	1/2						3.06
3	30		1 3/8	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 7/8	1/2						6.25
4	30		1 3/8	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 7/8	1/2						6.25
5	30		1 3/8	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 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

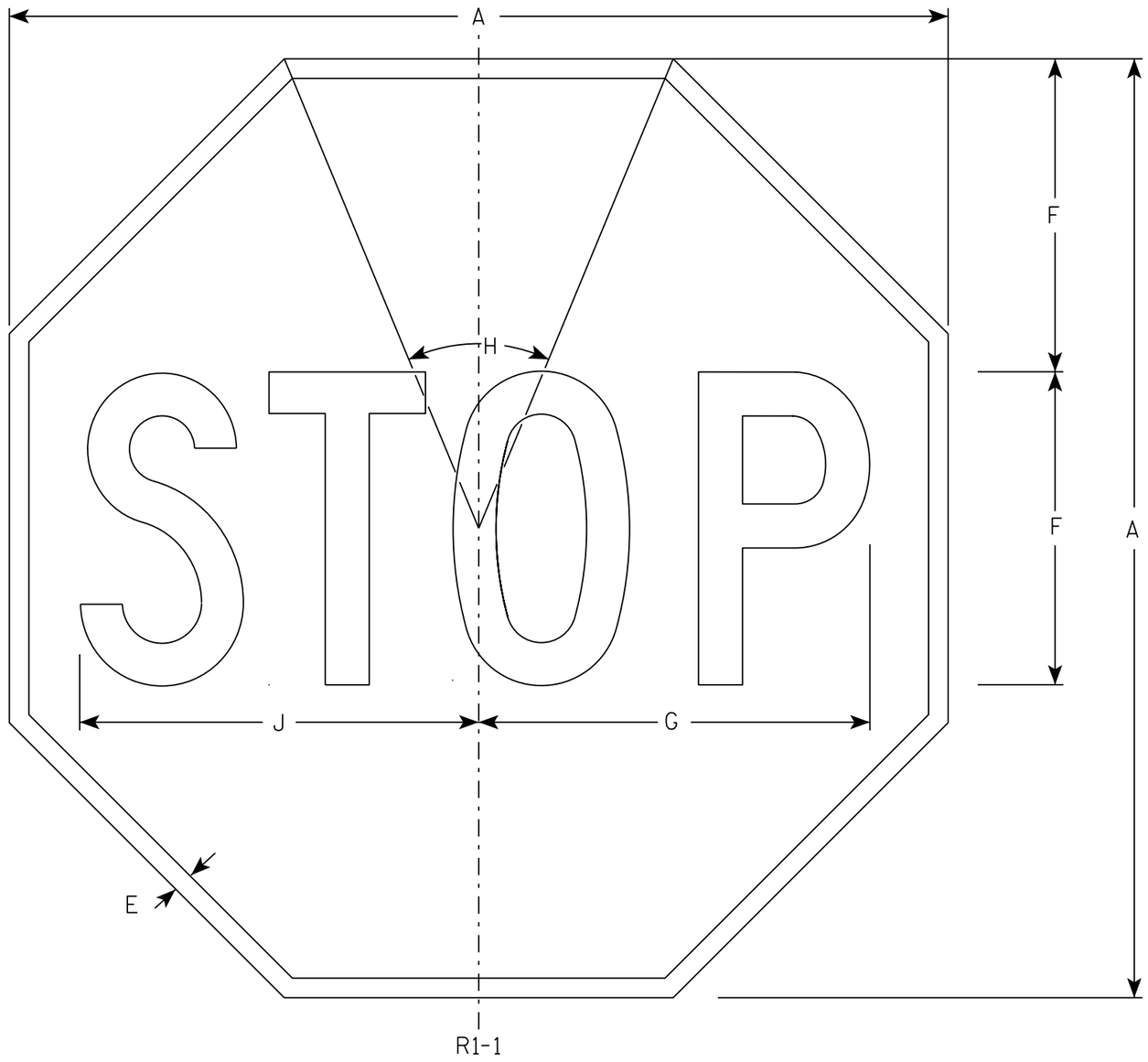
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 390 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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

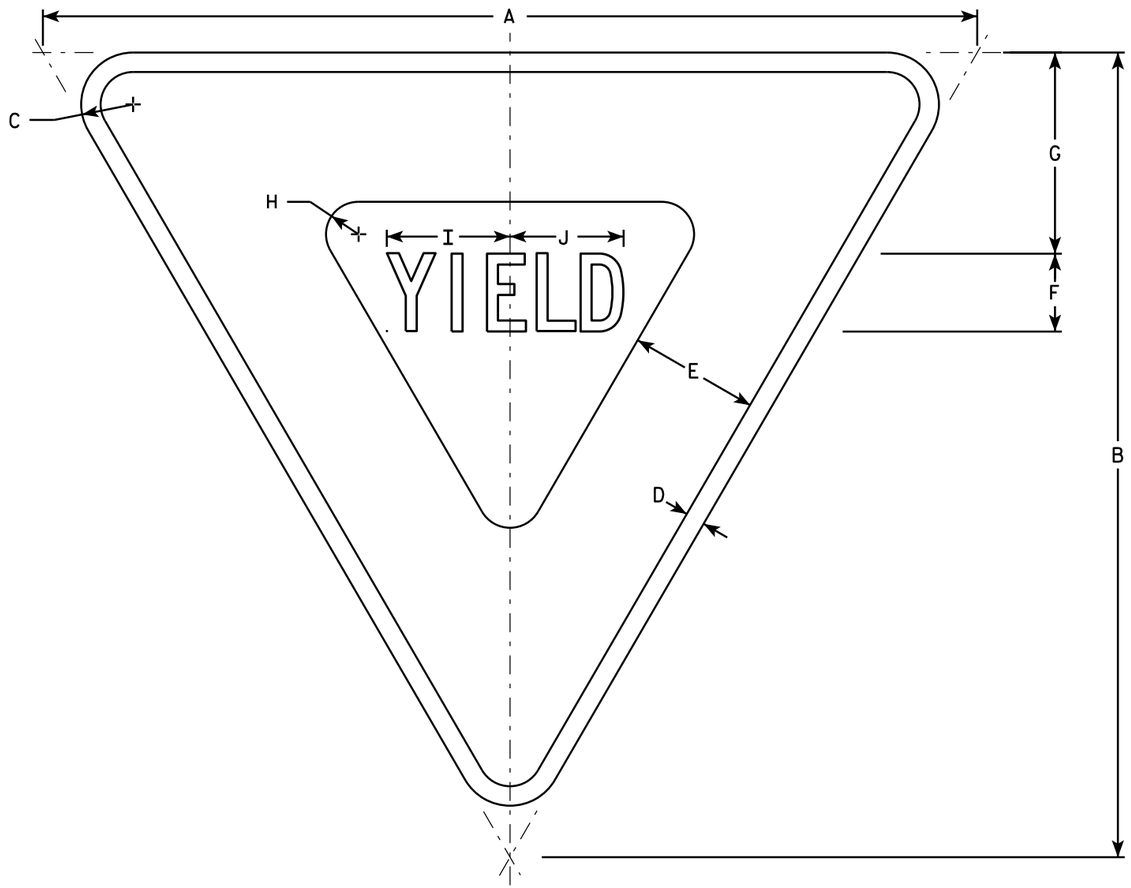
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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	1 1/2	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

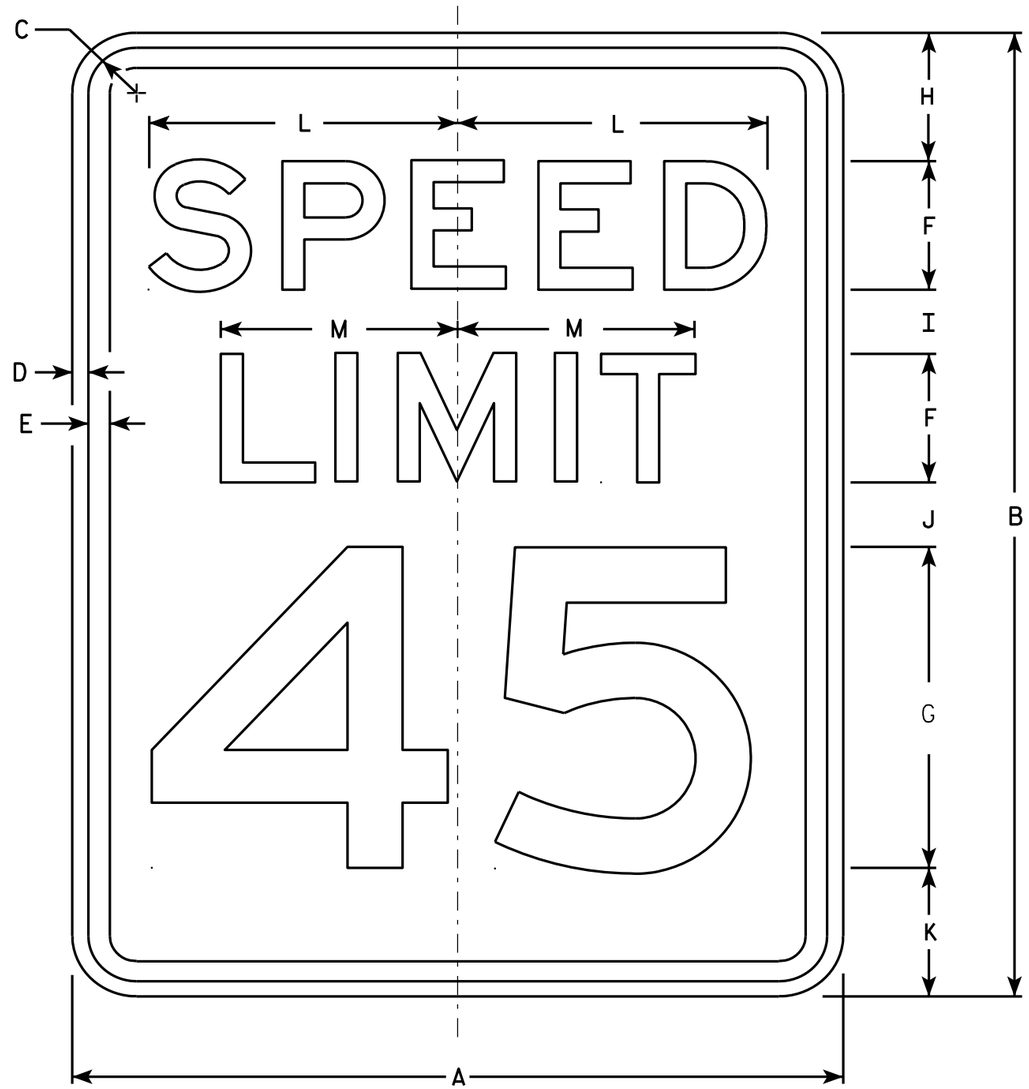
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically 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 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	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 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

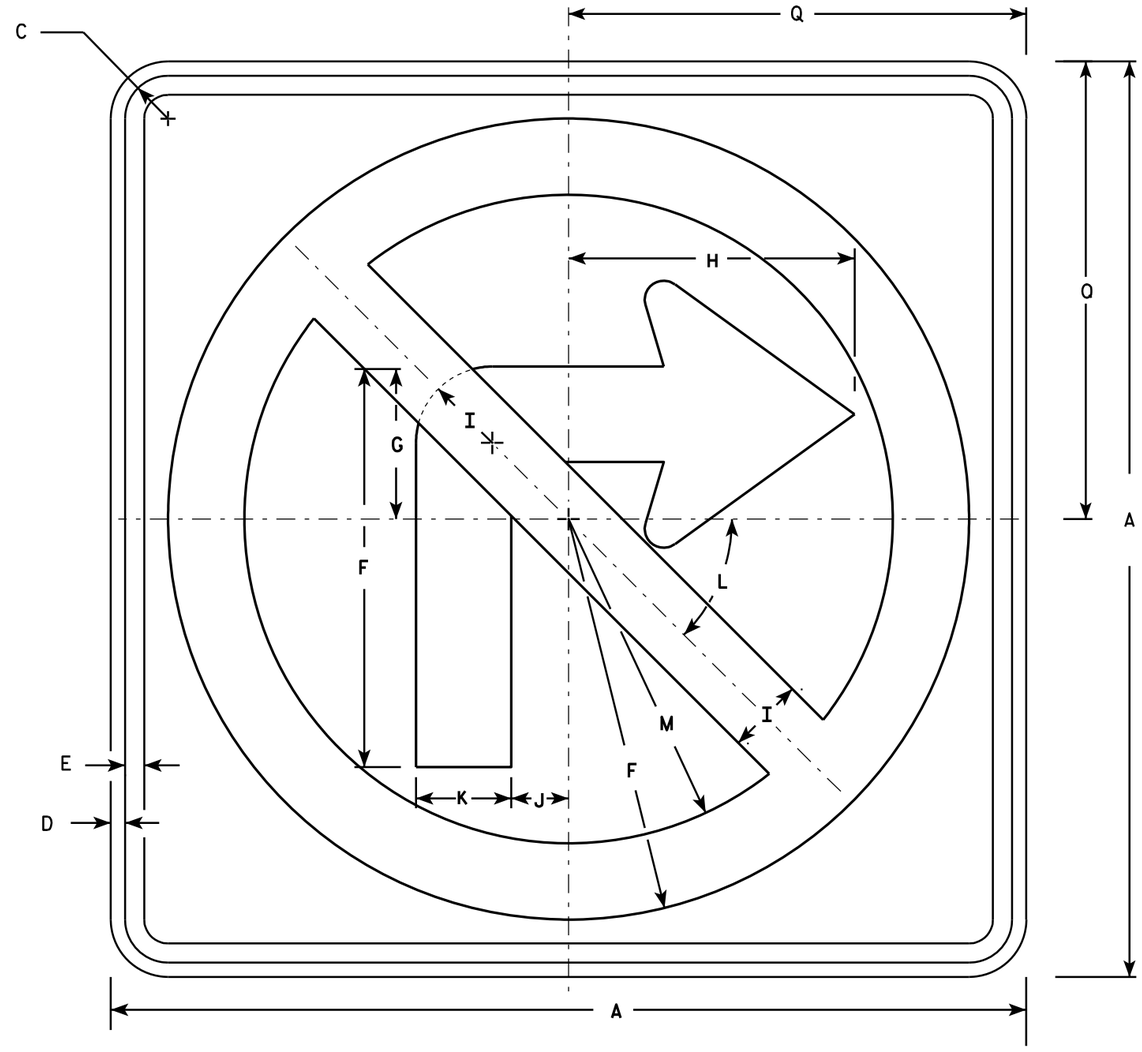
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

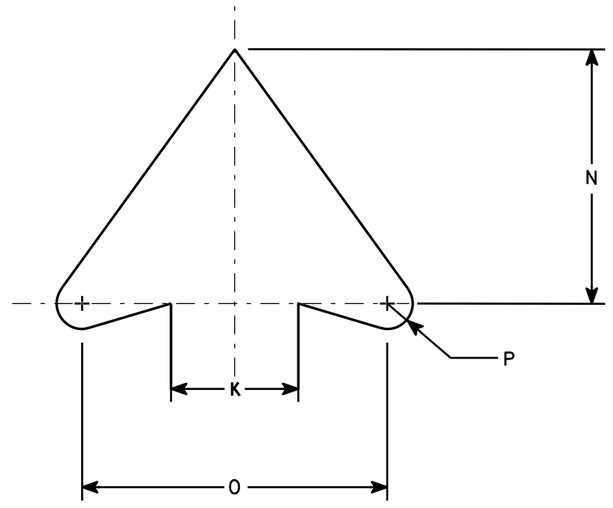
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 393 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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 1/8	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	12										4.0
2S	24		1 1/8	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	12										4.0
2M	36		1 5/8	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	18										9.0
3	36		1 5/8	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	18										9.0
4	36		1 5/8	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	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

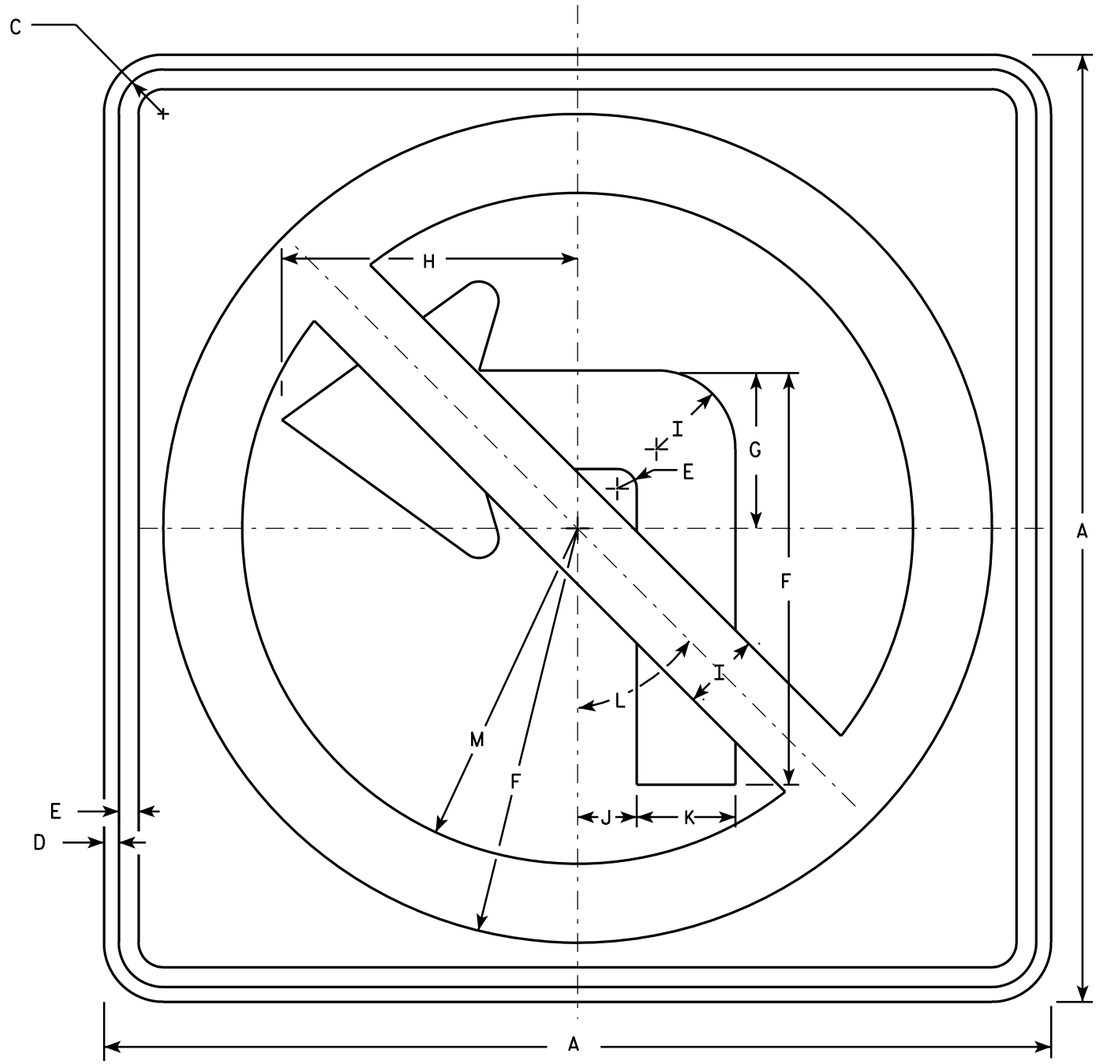
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

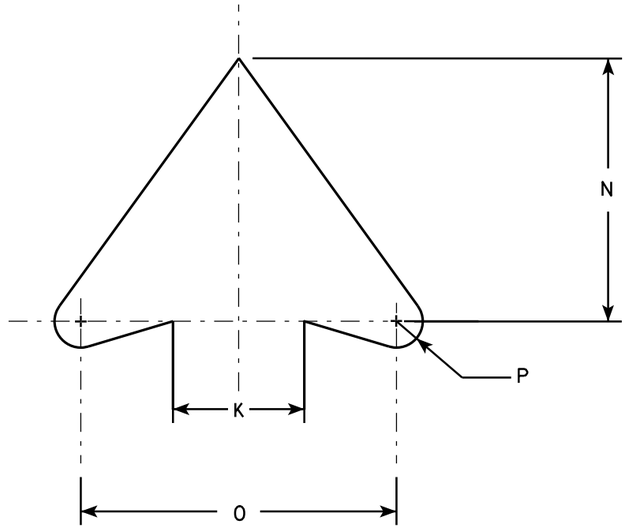
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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 1/8	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 1/8	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		1 5/8	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		1 5/8	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		1 5/8	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

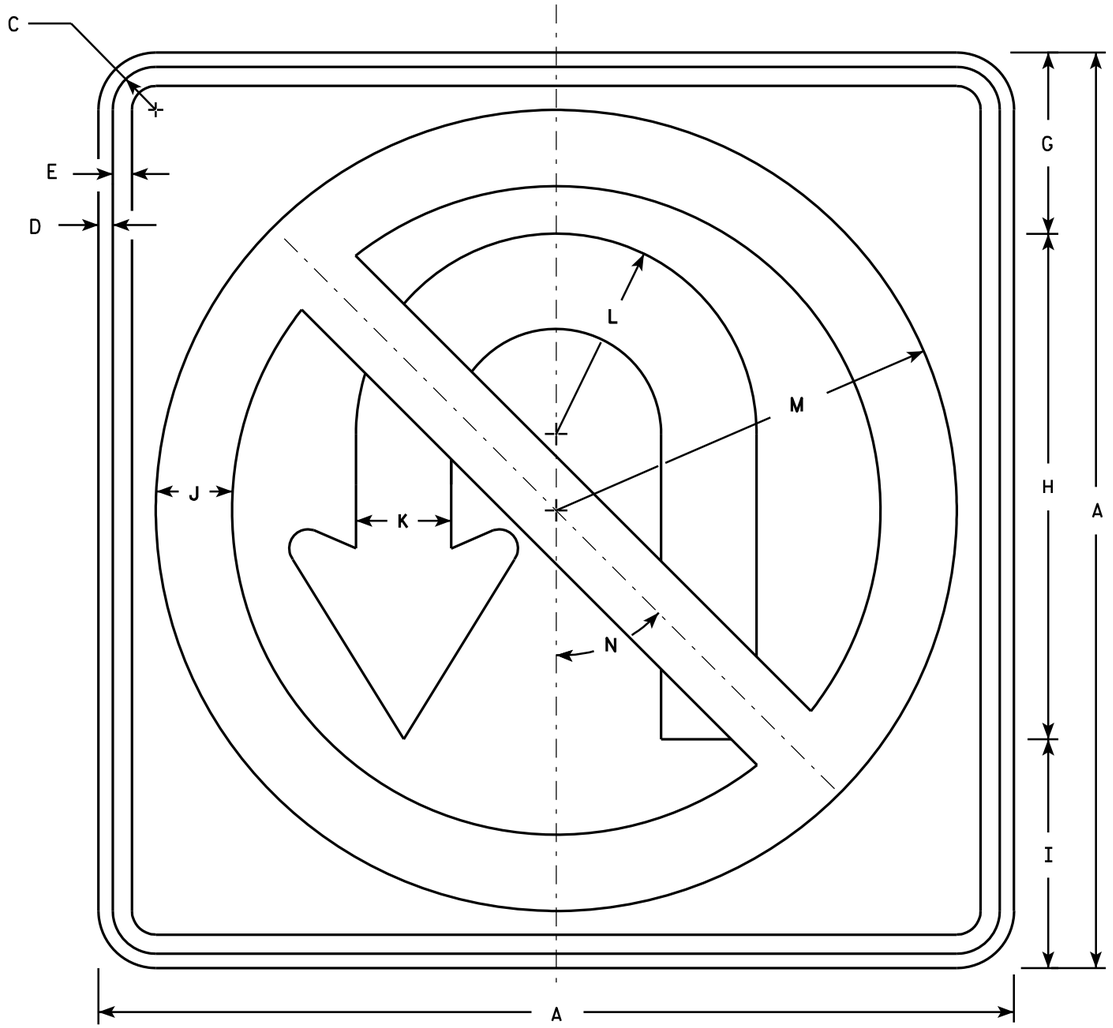
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

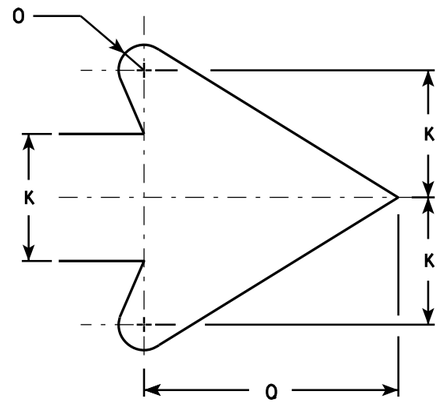
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 395	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

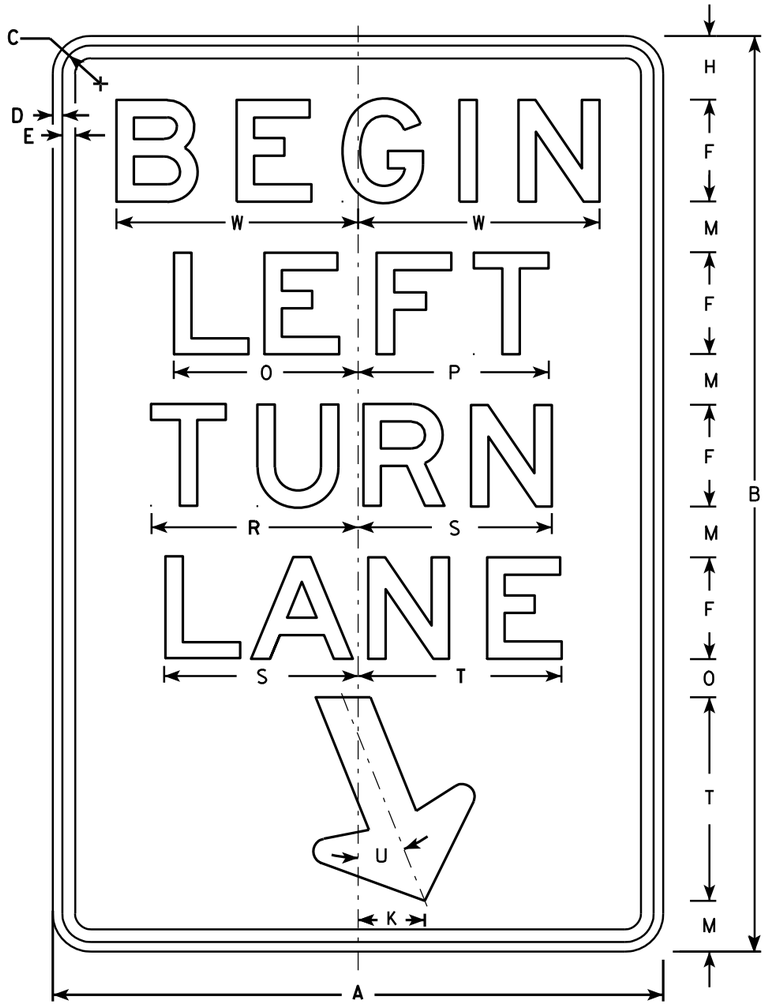
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

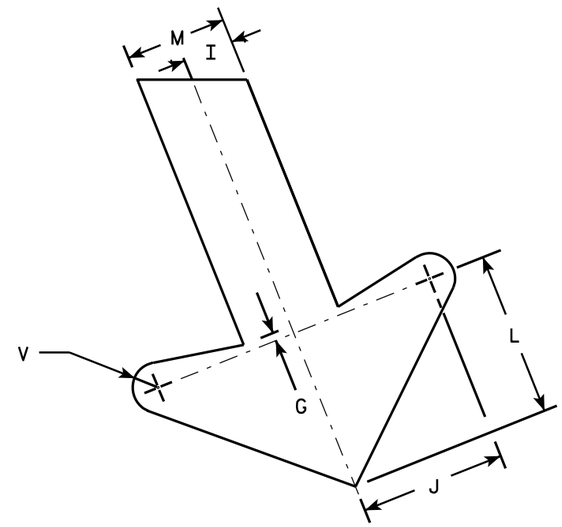
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 396	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
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.



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 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

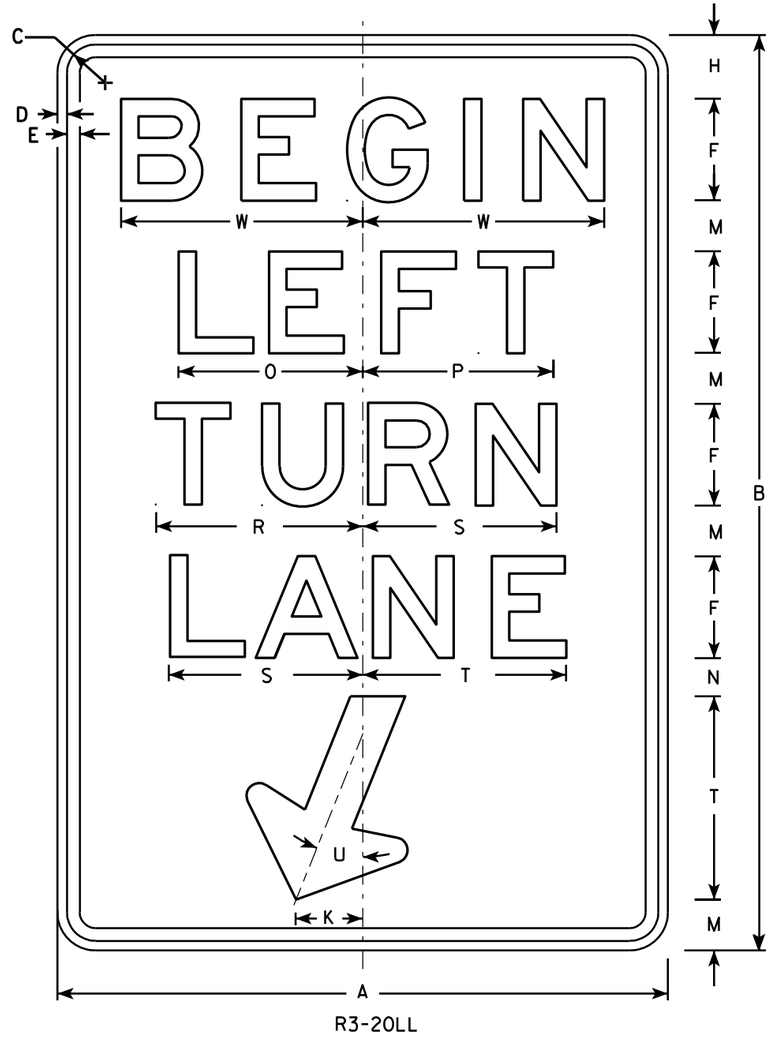
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

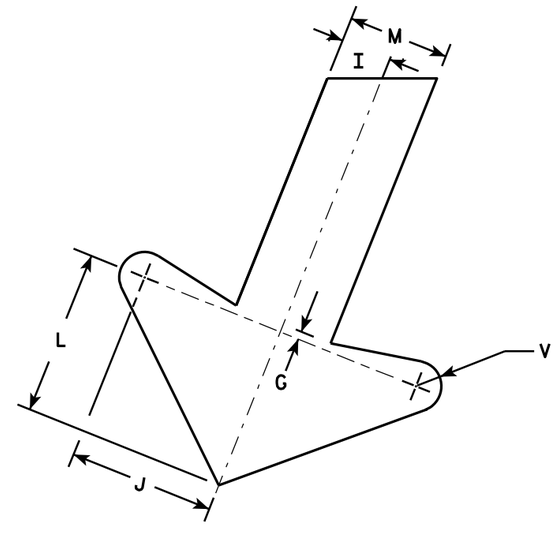
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 397 | E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
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.



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 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 398 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320LL.DGN PLOT DATE : 15-OCT-2010 14:38 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

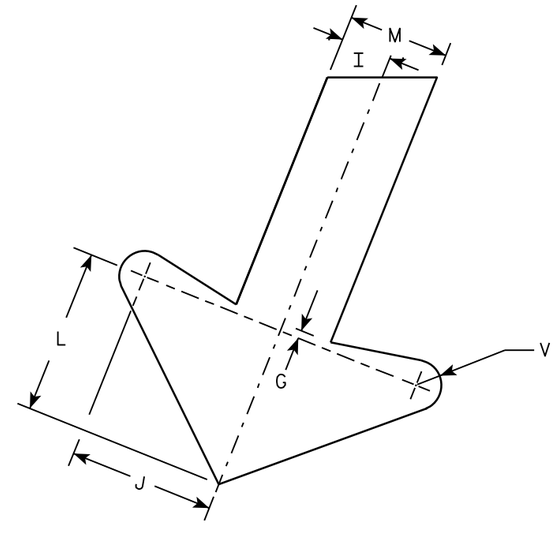
WISDOT/CADDS SHEET 42



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
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.



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 1/8	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 1/8	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 3/4	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																											

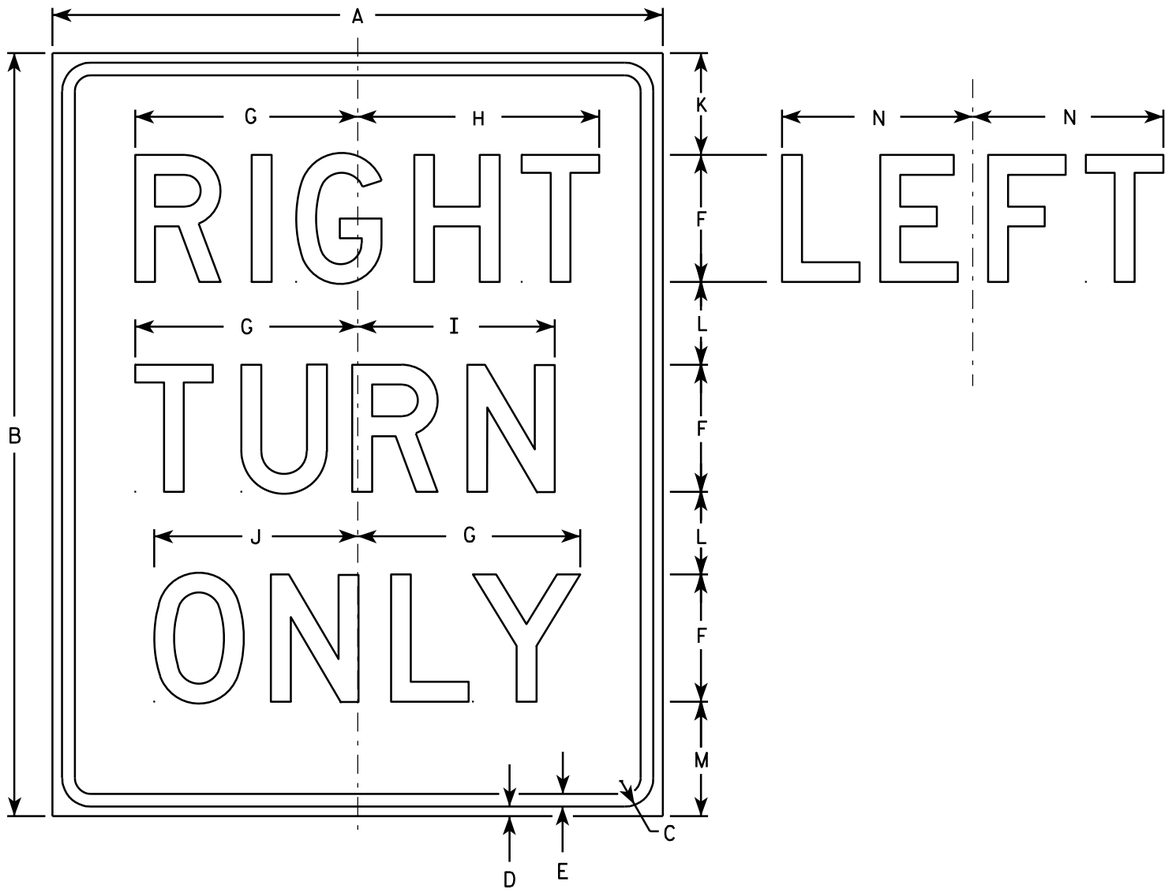
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 | E



R3-53R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

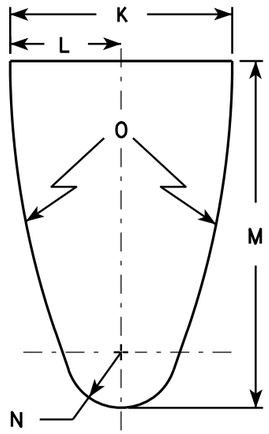
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

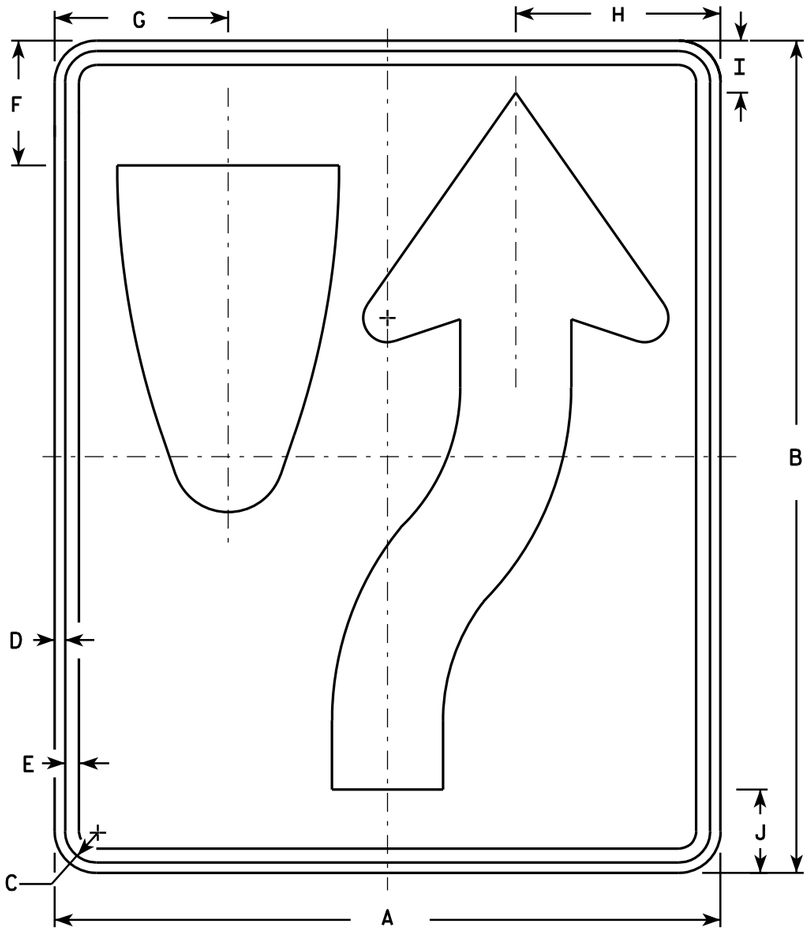
STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 400	E

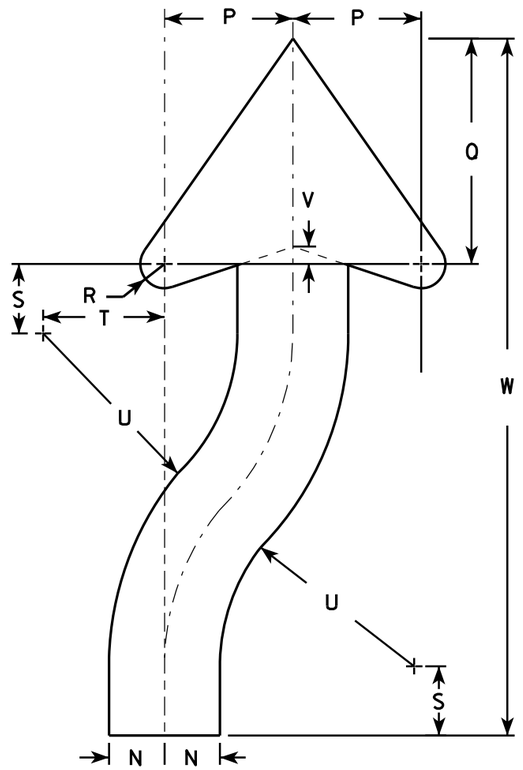




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. 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 1/8	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 1/8	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 1/8	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 3/4	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 3/4	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	2 1/4	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

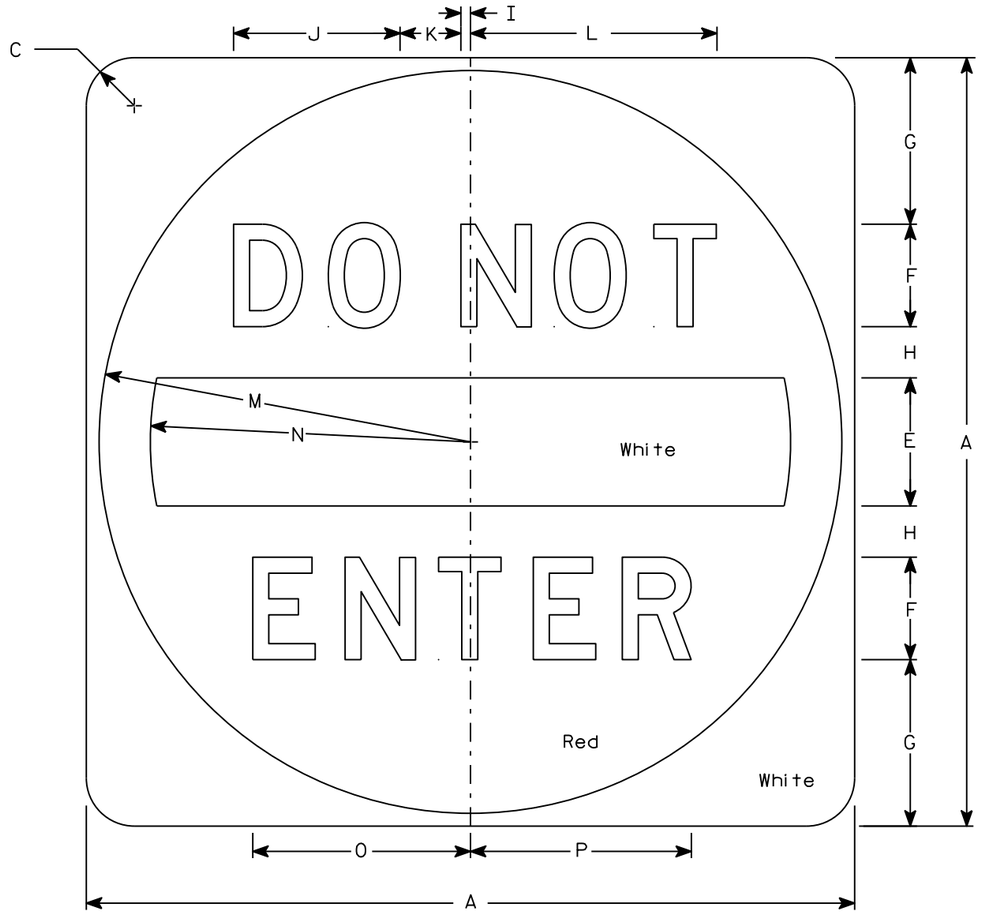
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 401	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

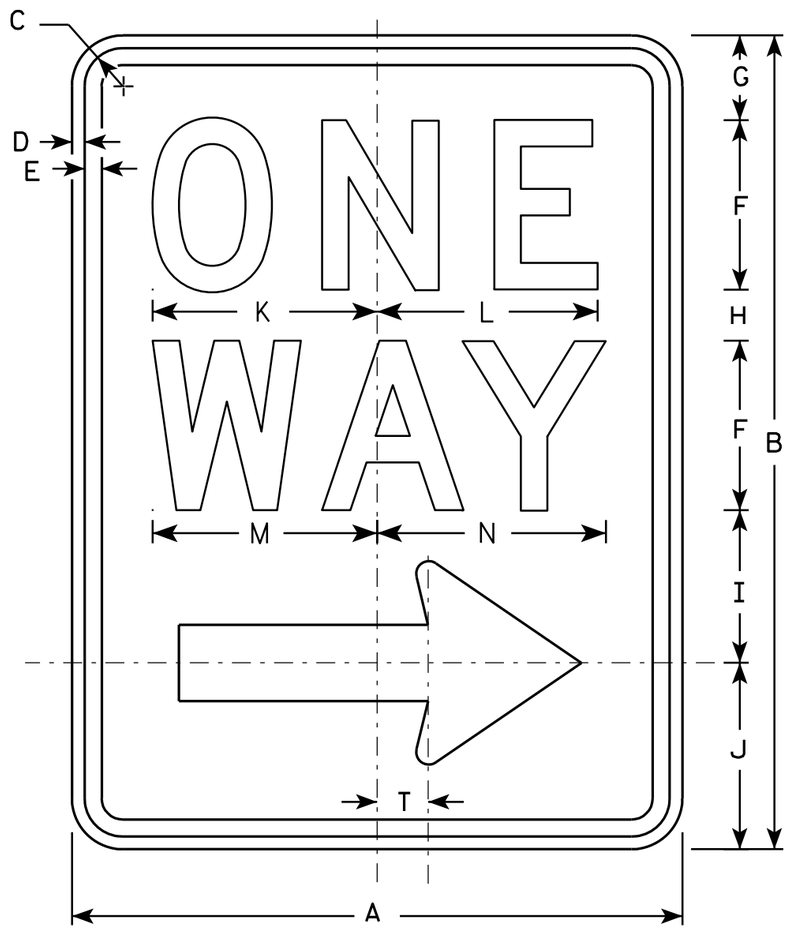
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

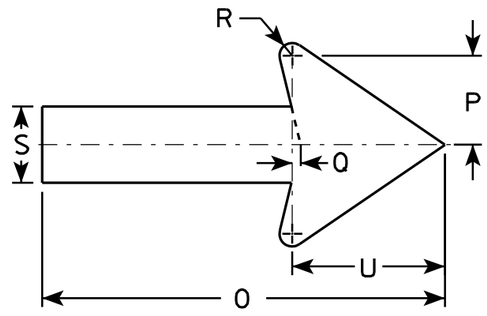
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 402 | E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. R6-2L same as R6-2R except arrow points to the left.



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 1/8	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	30	1 1/8	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 3/8	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																										

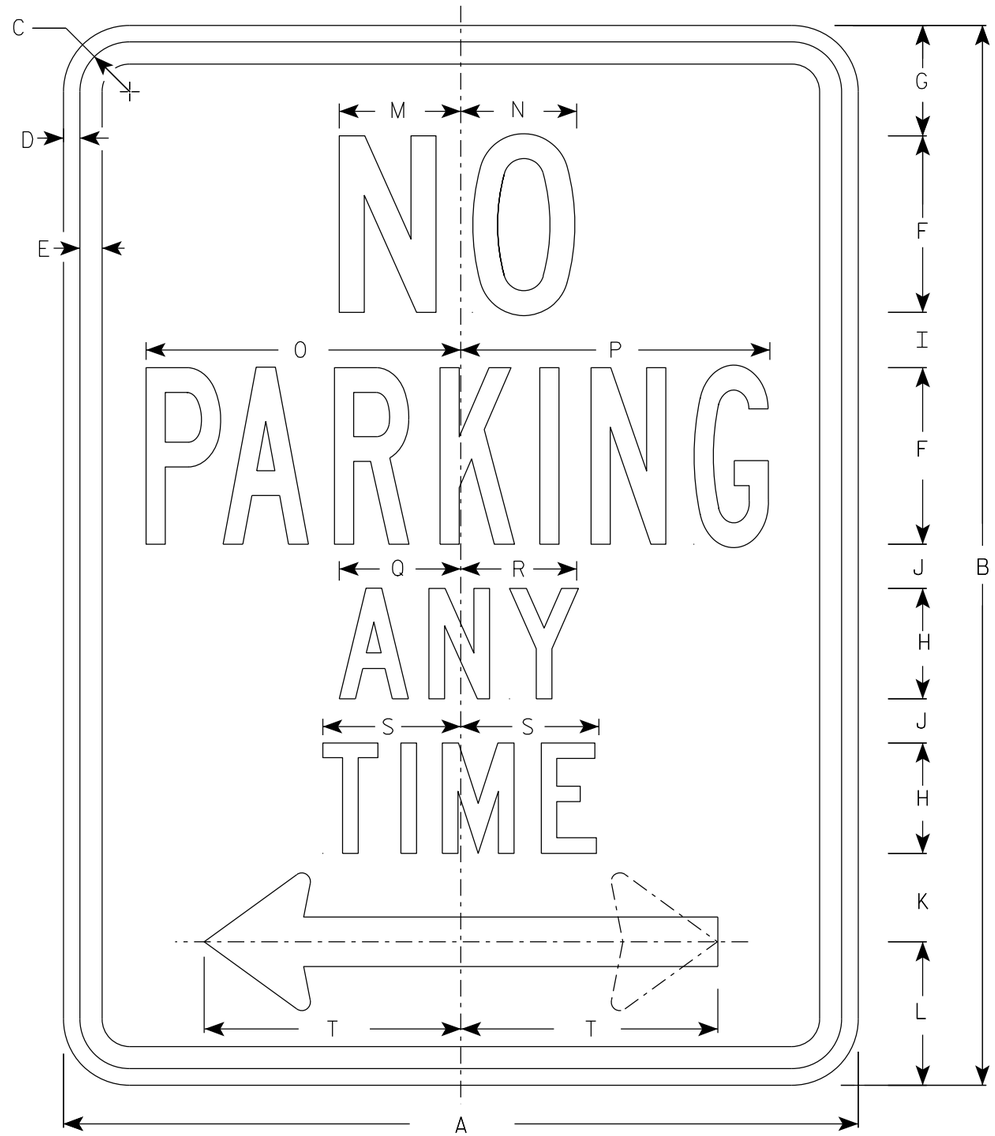
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

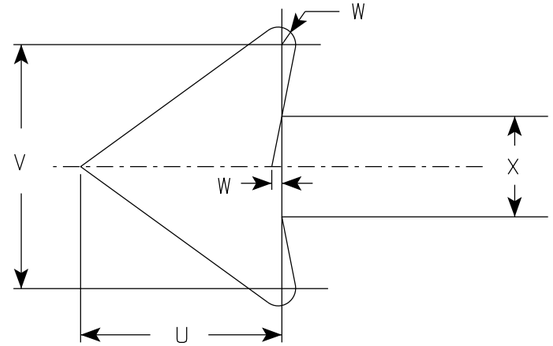
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 403	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
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)



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 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

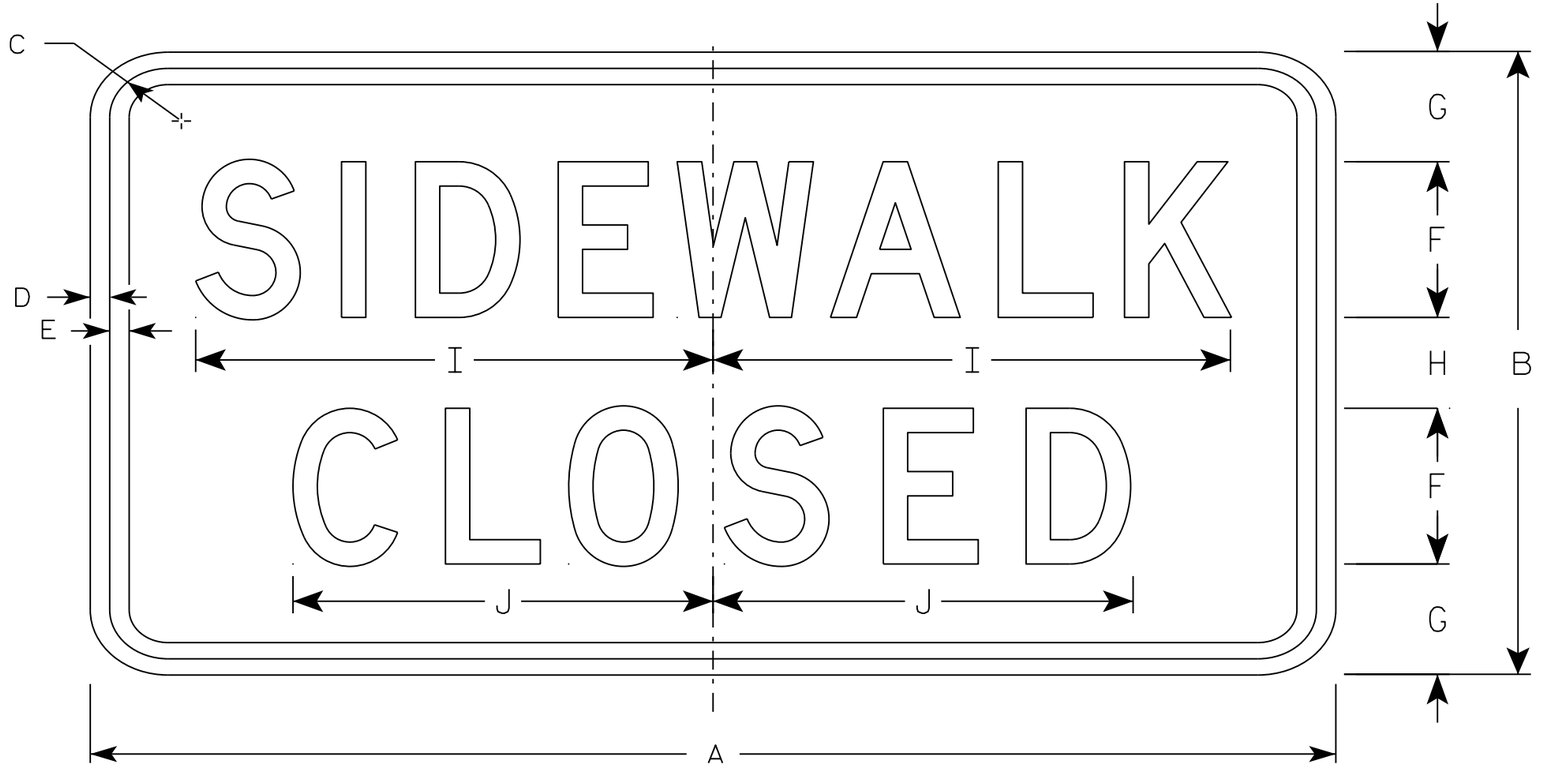
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 404 E

7

7



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. 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 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

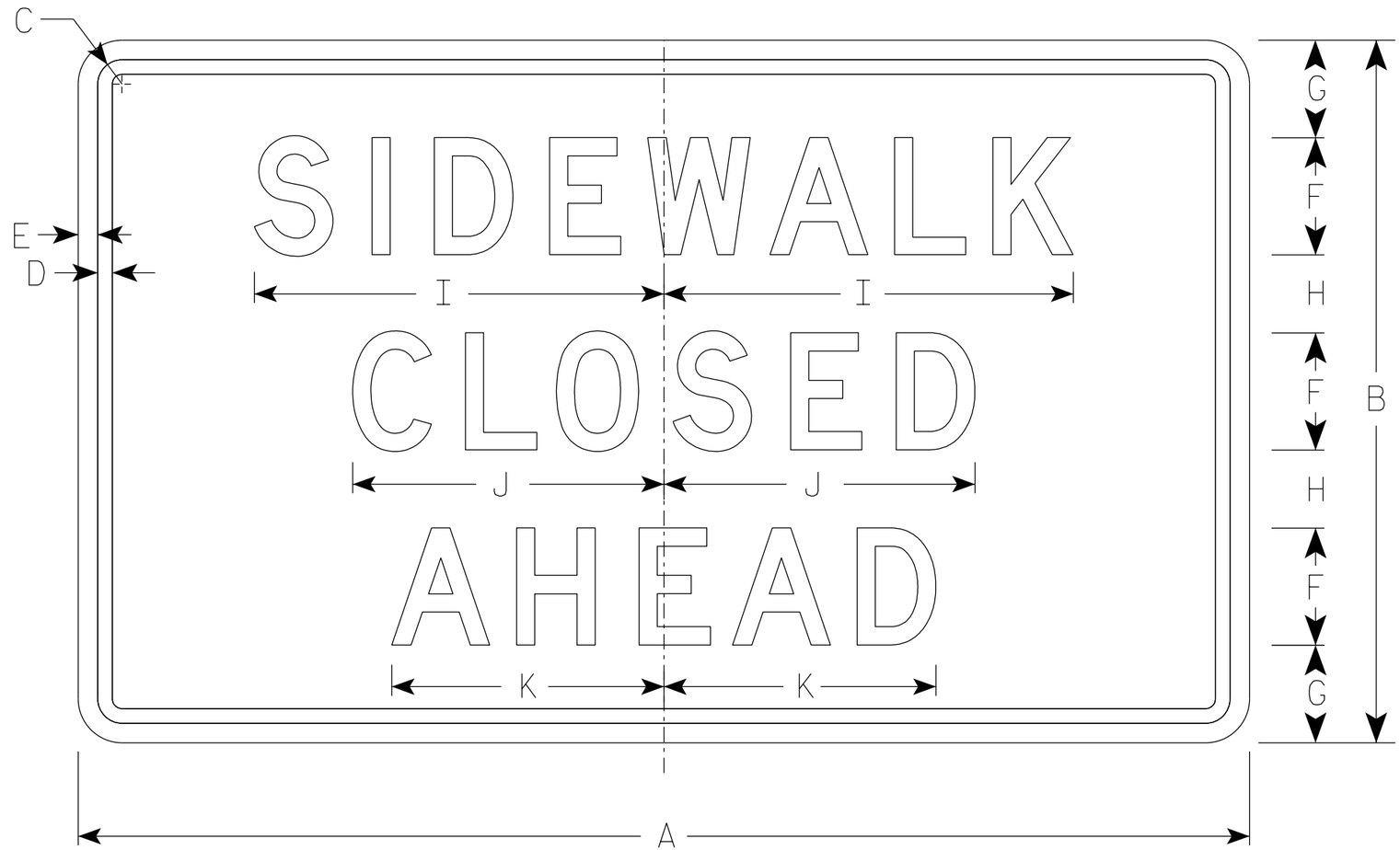
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 405 R9-9.6

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-9A

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.

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 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

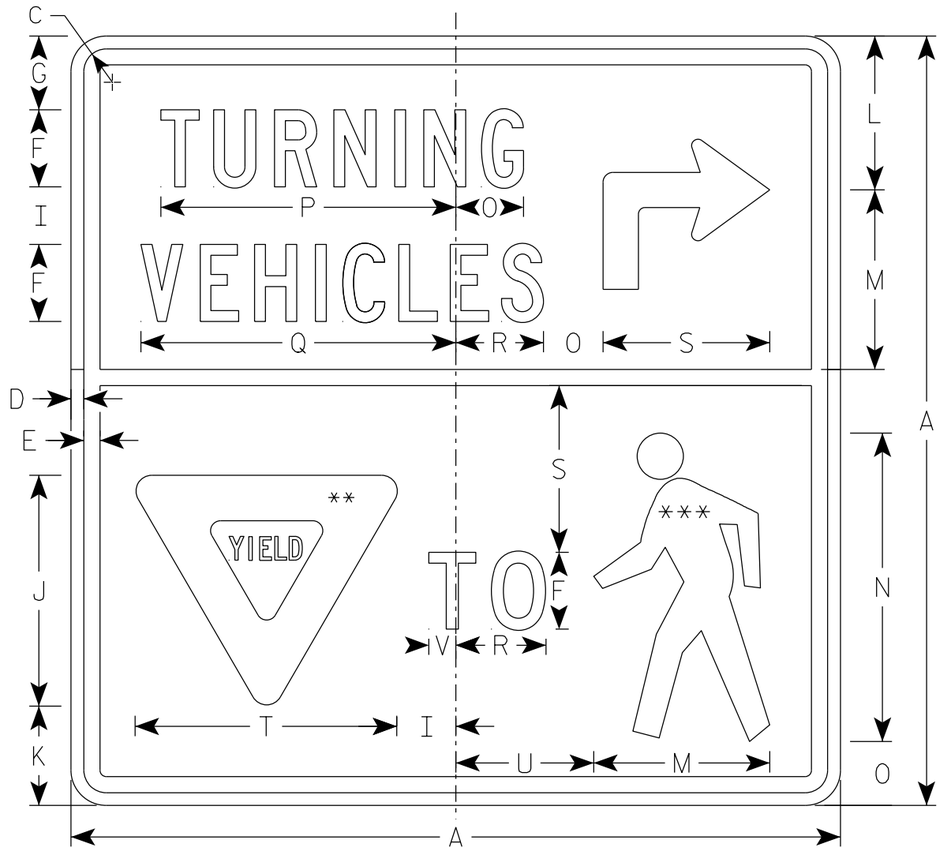
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R99A.DGN PLOT DATE : 31-AUG-2020 3:26 PLOT BY : dotc4c PLOT SCALE : $$.....plotscale.....$$

7



R10-15R

NOTES

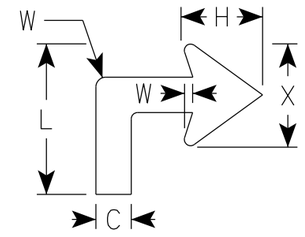
1. Sign is Type II - See Note 2 for Sheeting Type

2. Color:
   - Background - Top Half - Yellow (Type F Reflective)
     Bottom Half - White (Type SH Reflective)
   - Message - Black
   - Yield Symbol - Red on White (Type SH Reflective)
   - Ped Symbol - Black on White (Type SH Reflective)

3. Message Series - C except "TO" Series D

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT



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		1 3/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
2M	30		1 3/8	1/2	5/8	3	2 7/8	3	2 1/4	9	3 7/8	6	7	12	2 1/2	11 1/2	12 1/4	3 1/2	6 1/2	10 1/4	5 3/8	1	3/8	4			6.25
3																											
4																											
5																											

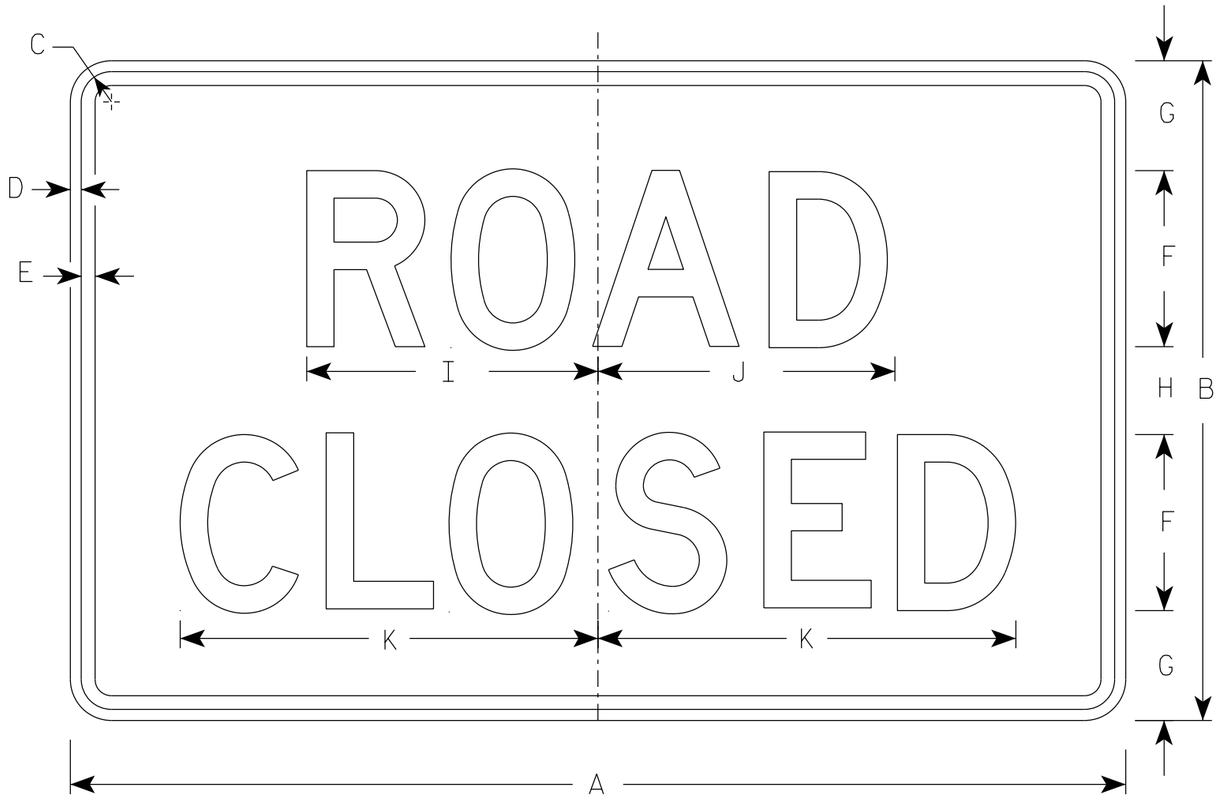
STANDARD SIGN
R10-15R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/2020 PLATE NO. R10-15R.2

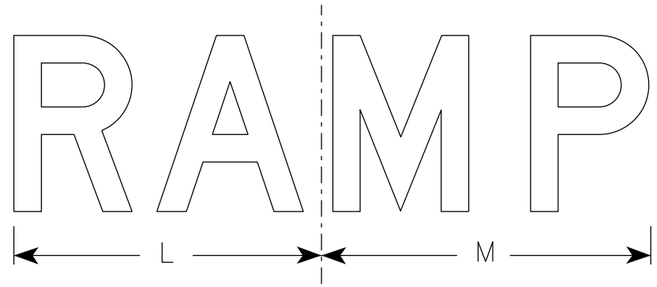
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



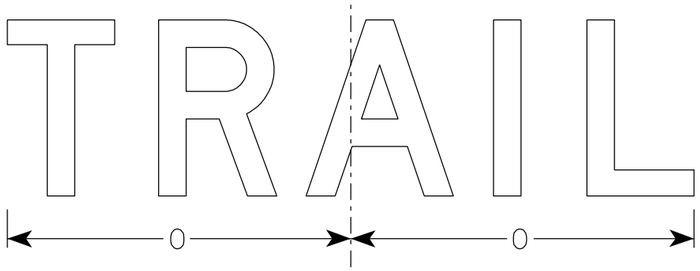
R11-2

NOTES

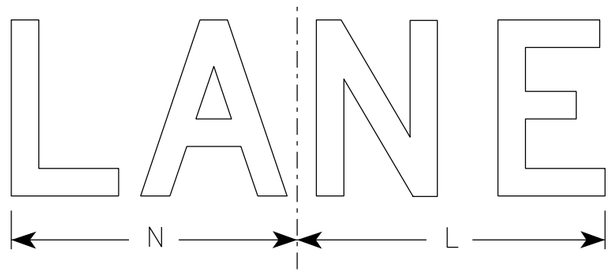
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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 3/8	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 3/8	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 3/8	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 3/8	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 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

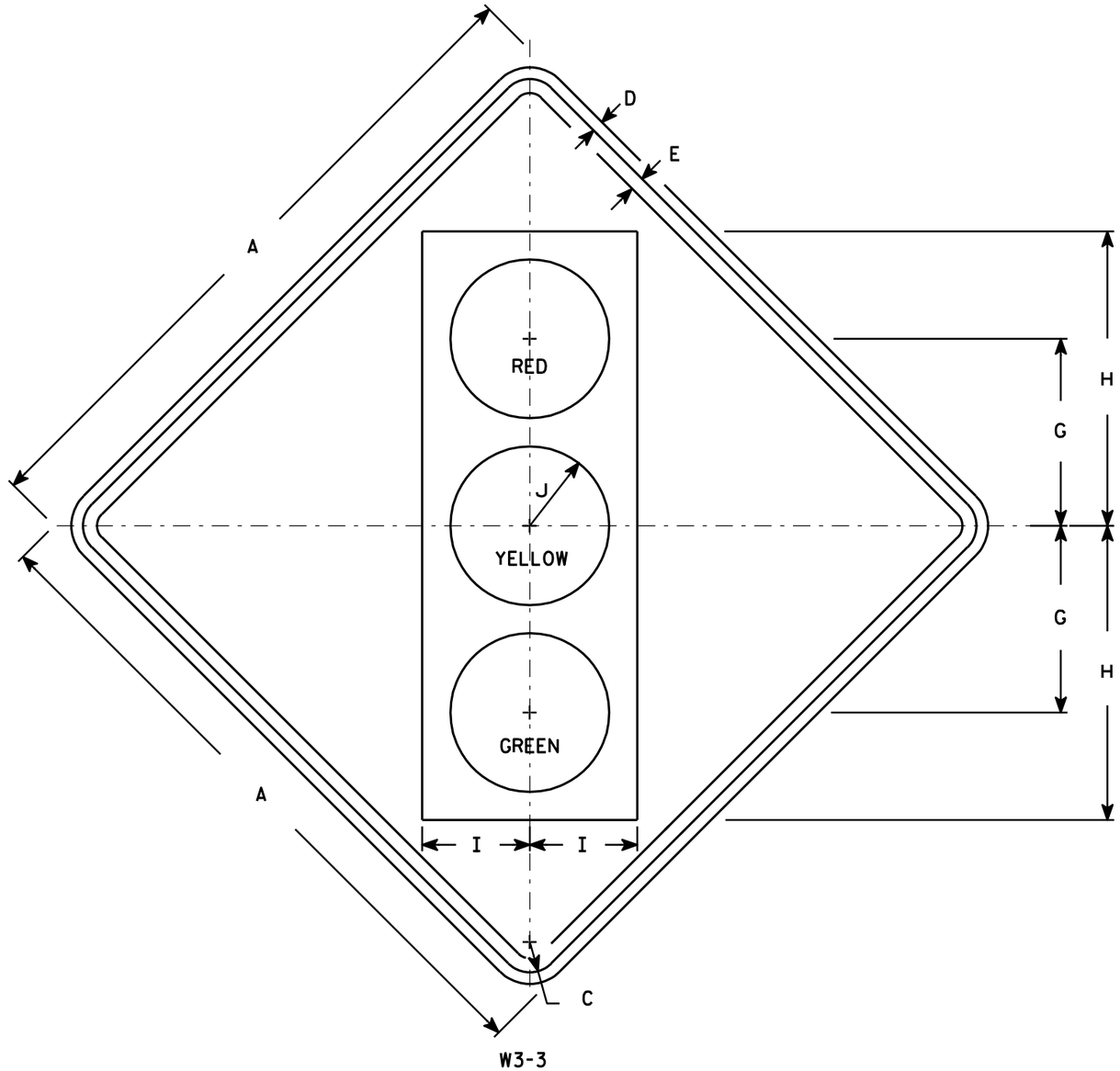
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

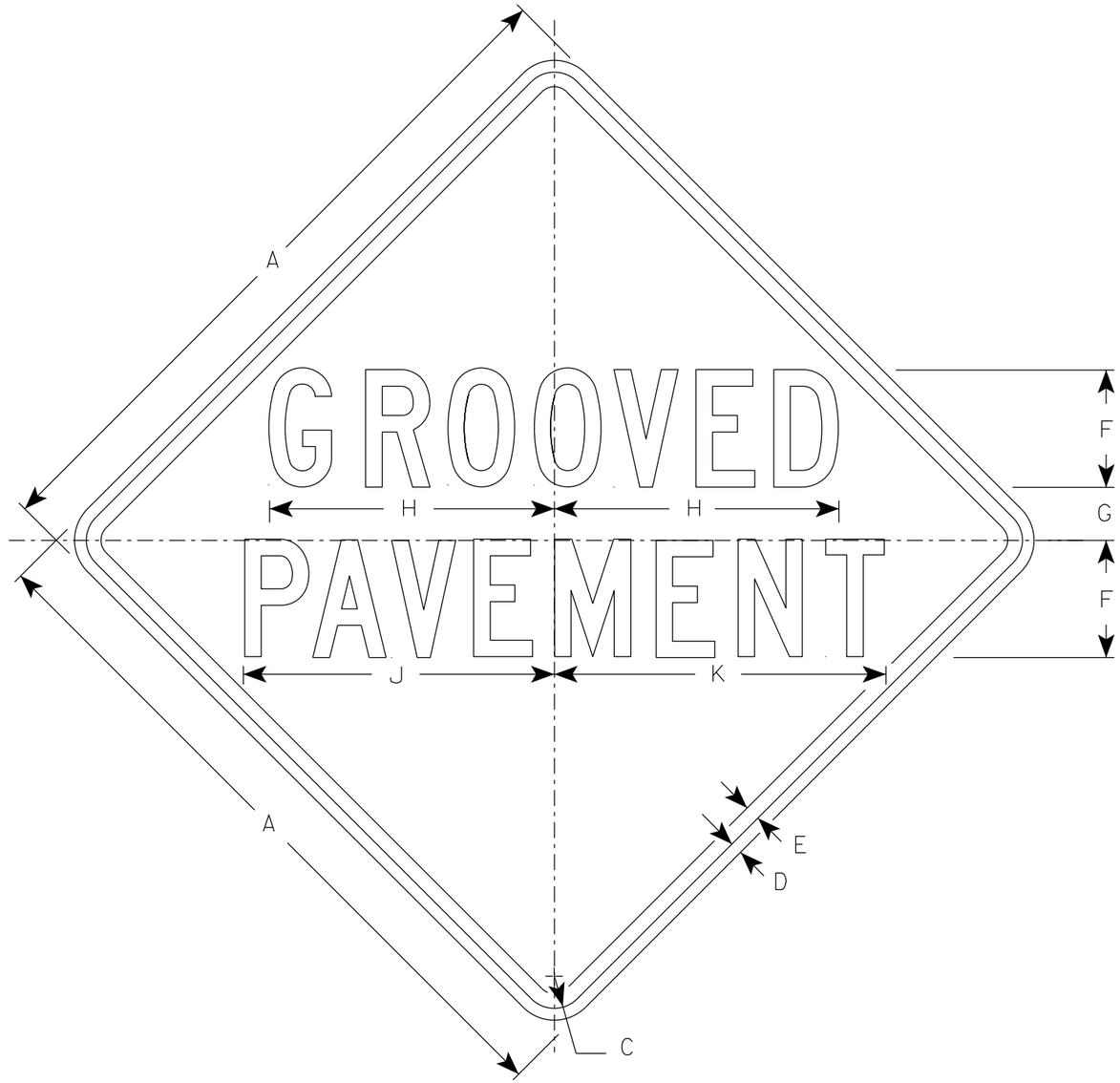
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 409 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42



W8-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   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																											
2S	30		1 3/8	1/2	5/8	5	2 1/4	12 1/8		13 1/4	14 1/8																6.25
2M	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
3	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
4	36		1 5/8	5/8	3/4	6	2 5/8	14 1/2		15 7/8	17																9.0
5	48		2 1/4	3/4	1	8	3 1/2	19 3/8		21 1/4	22 5/8																16.0

STANDARD SIGN

W8-15

WISCONSIN DEPT OF TRANSPORTATION

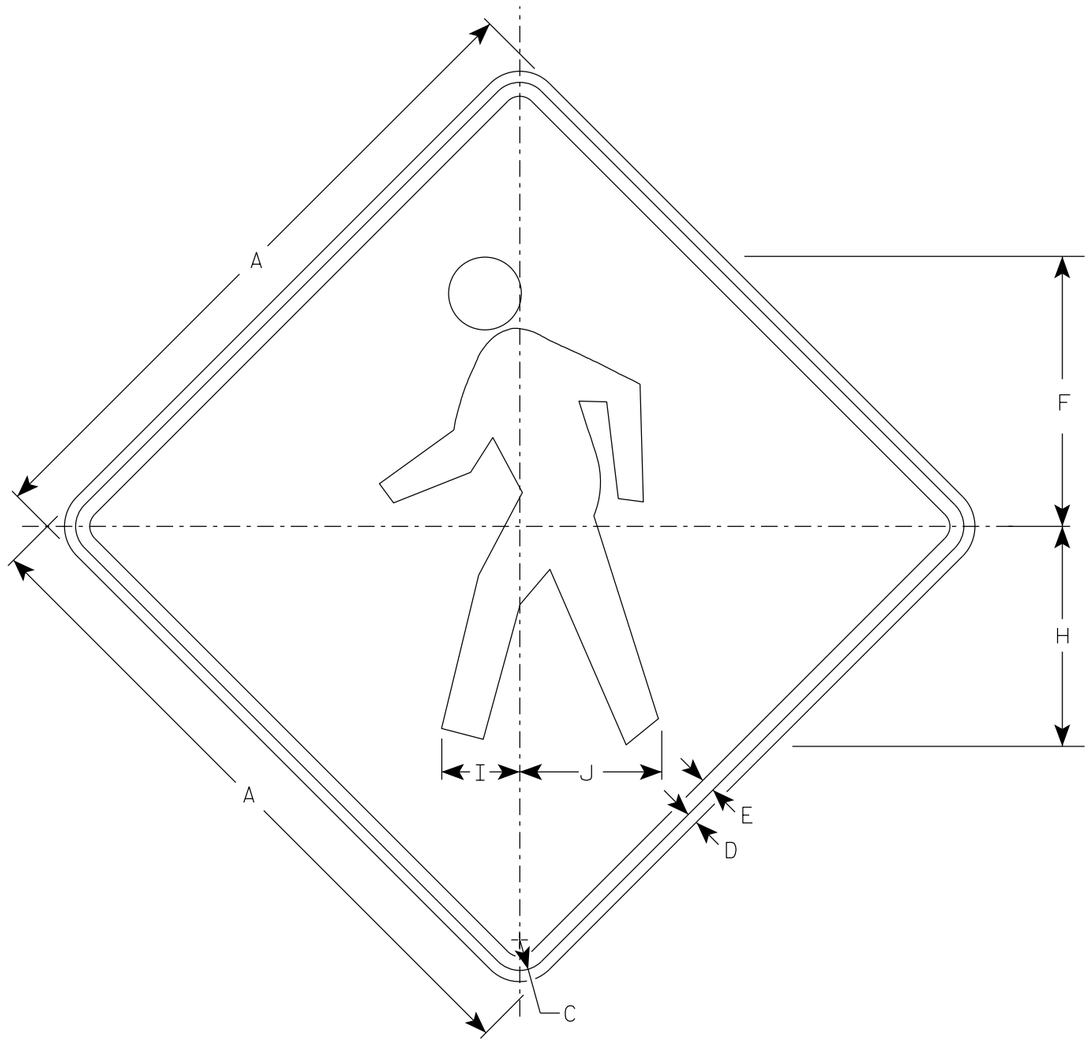
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-15.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W11-2

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 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

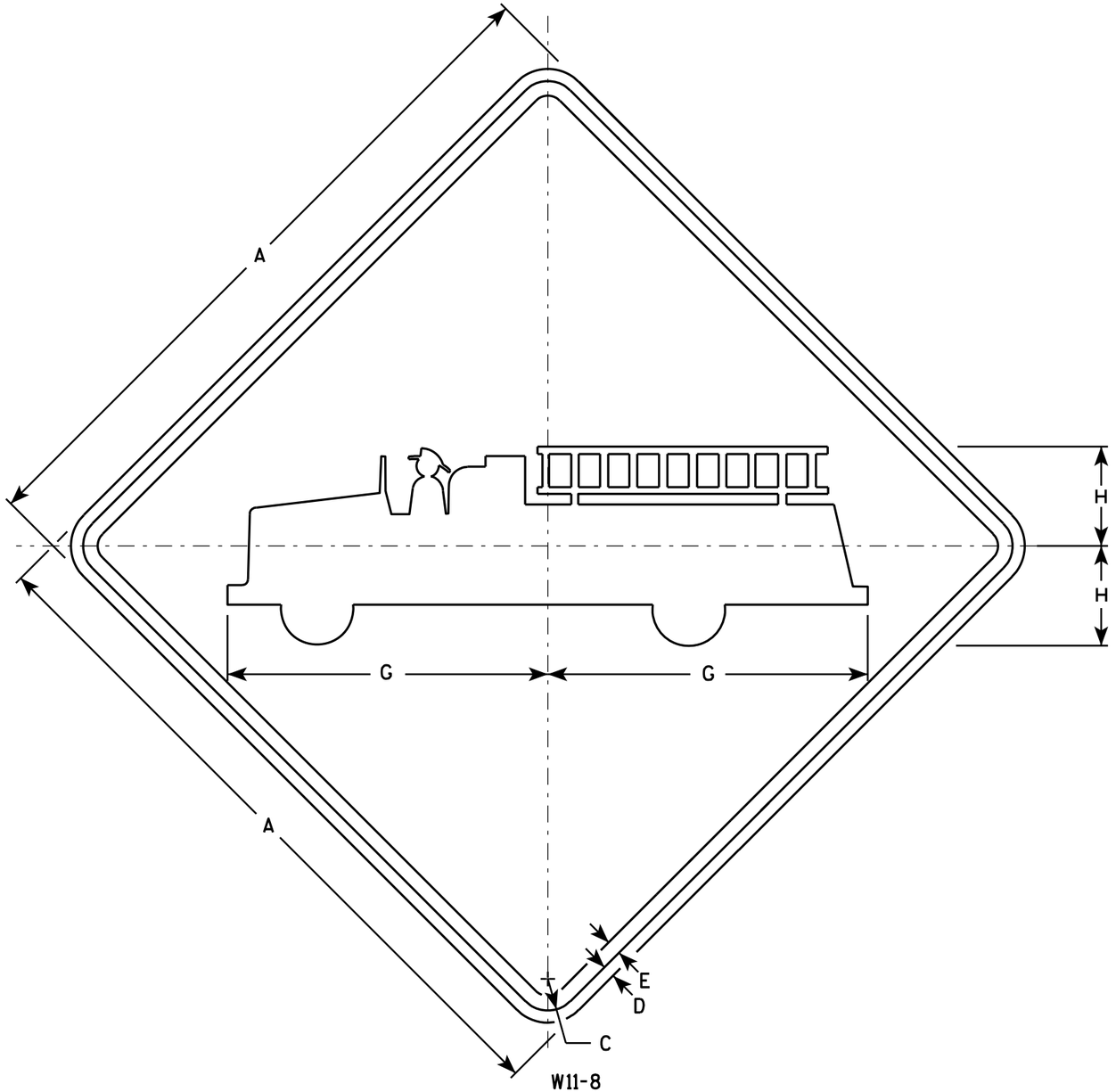
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 411	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

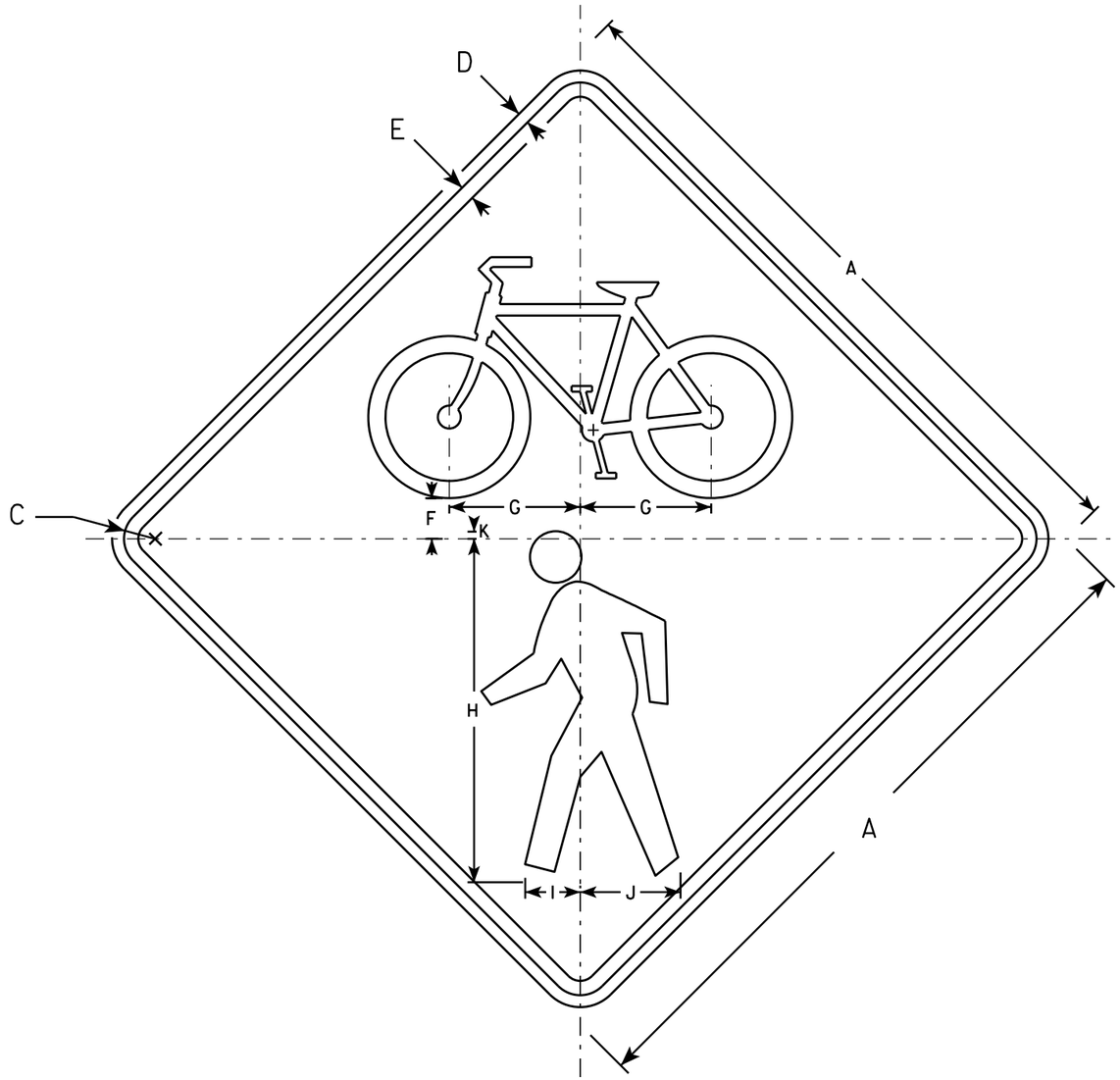
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

PROJECT NO:

SHEET NO: 412 E



W11-15

NOTES

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

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 1/8	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

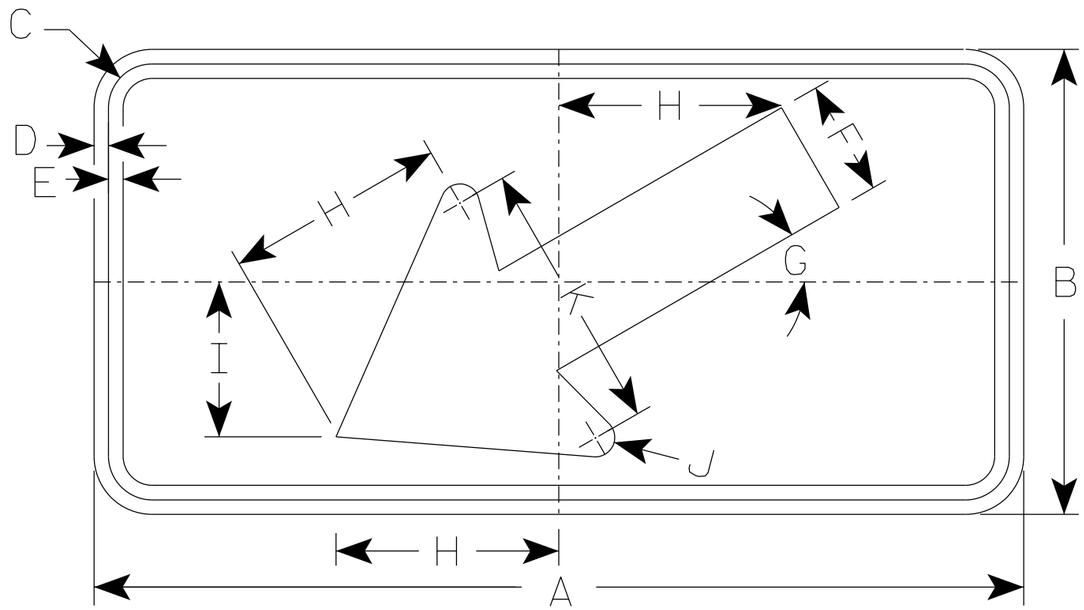
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. W11-15.4

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

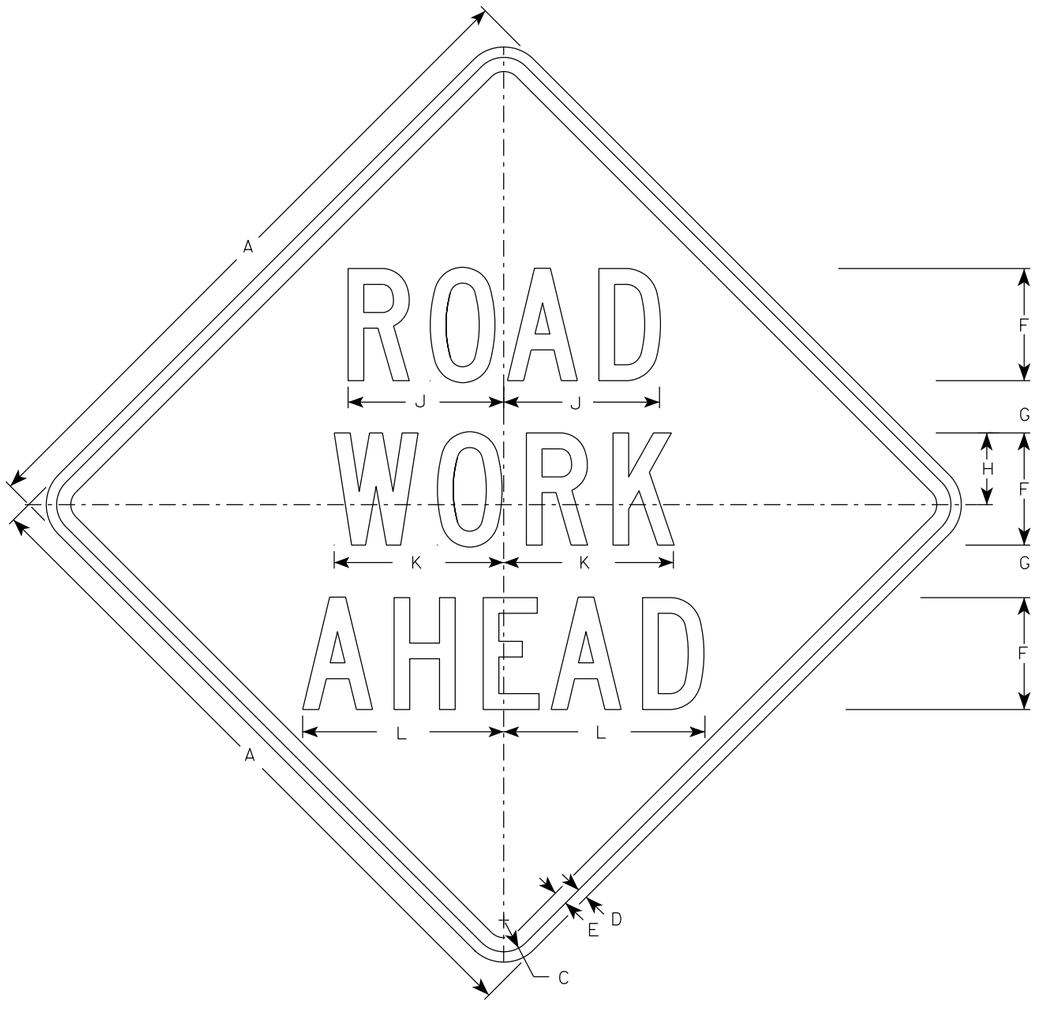
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 414	E

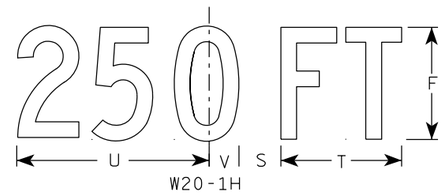
7

NOTES

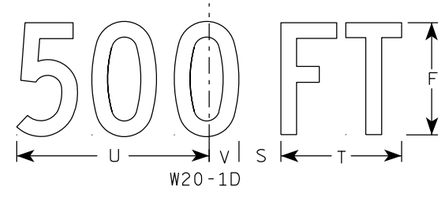
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



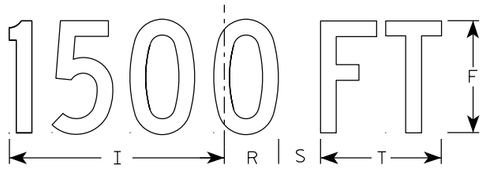
W20-1H



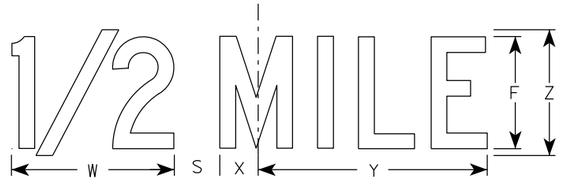
W20-1D



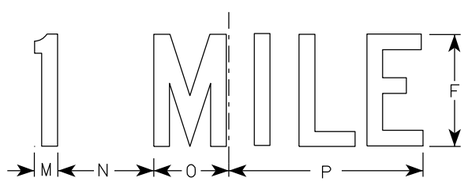
W20-1C



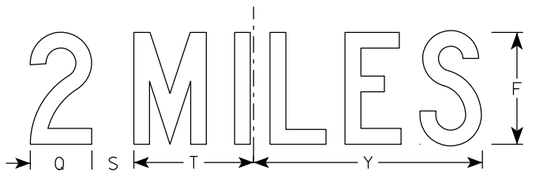
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

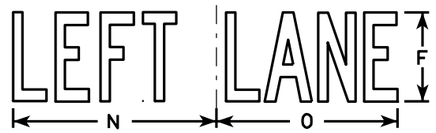
WISDOT/CADDS SHEET 42

7

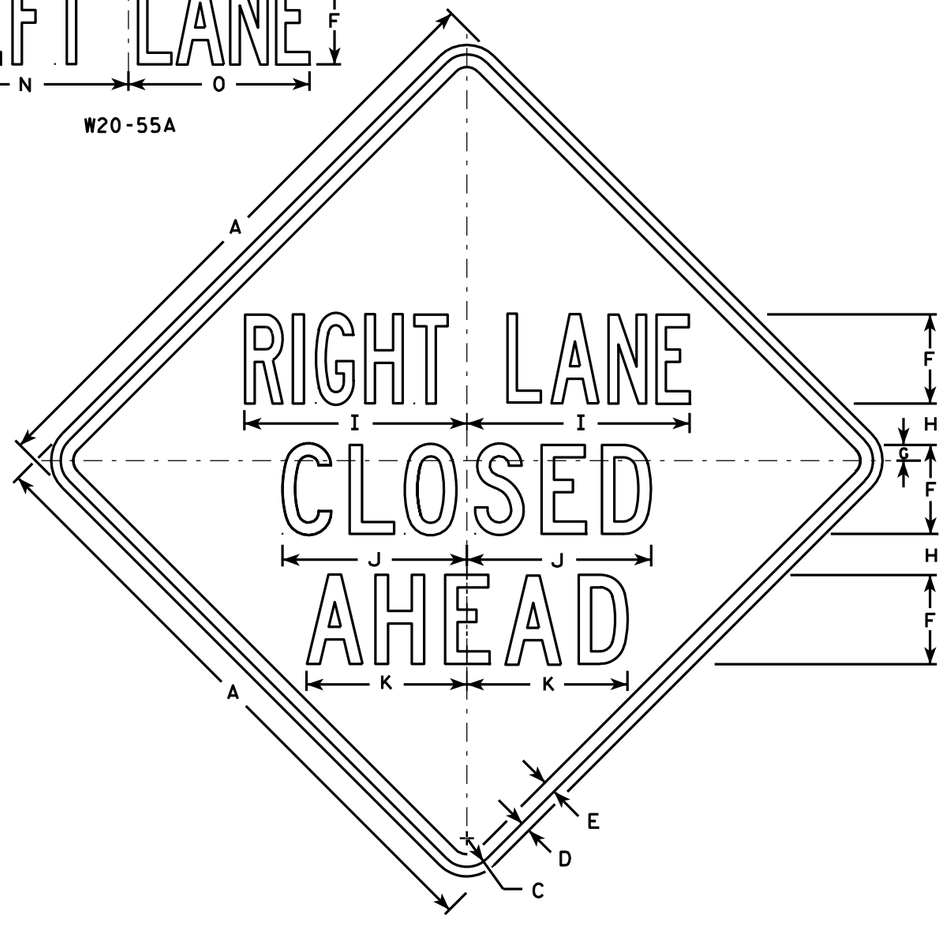
7



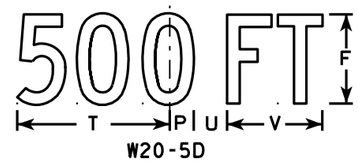
W20-56A



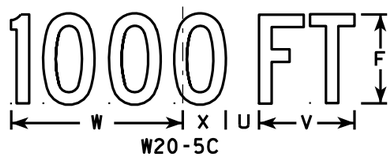
W20-55A



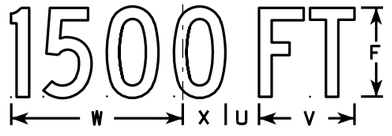
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

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

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

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

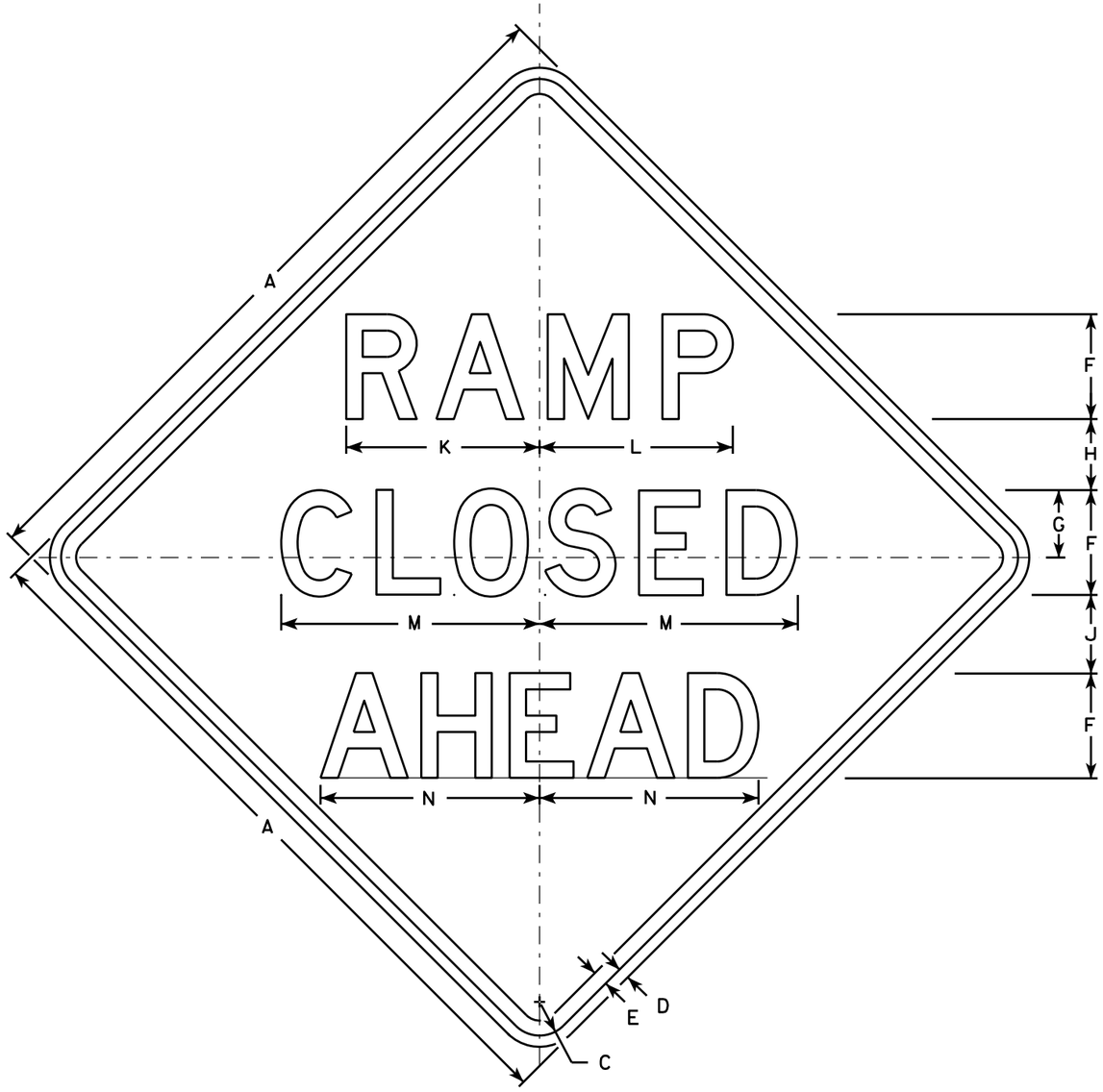
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

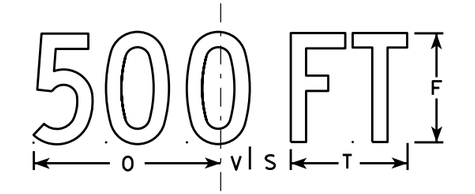
DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 416	E

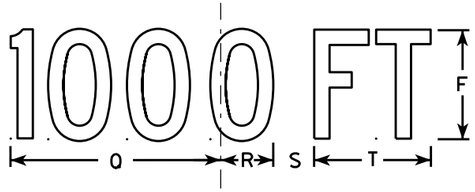
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



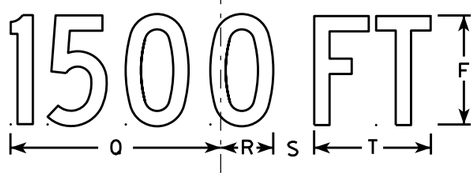
W20-53A



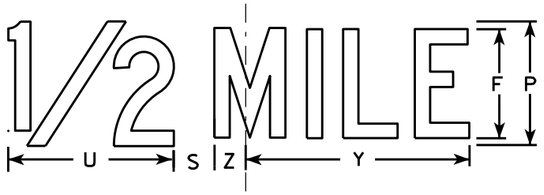
W20-53D



W20-53C



W20-53B



W20-53G



W20-53F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	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		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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
W20-53A,B,C,D,F,G

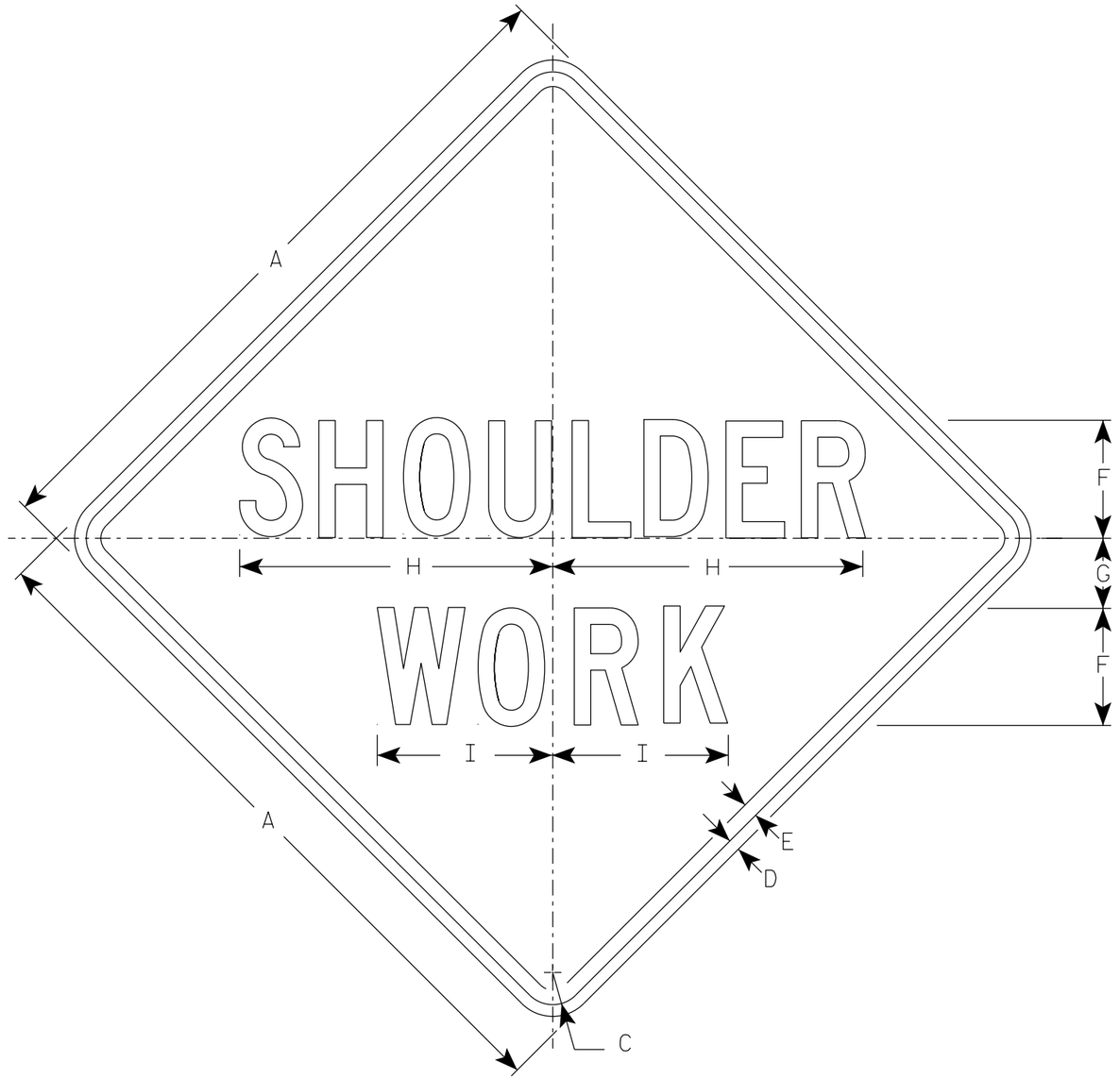
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/27/15 PLATE NO. W20-53.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2053.DGN PLOT DATE : 27-MAY-2015 19:40 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.729210:1.000000
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
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		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

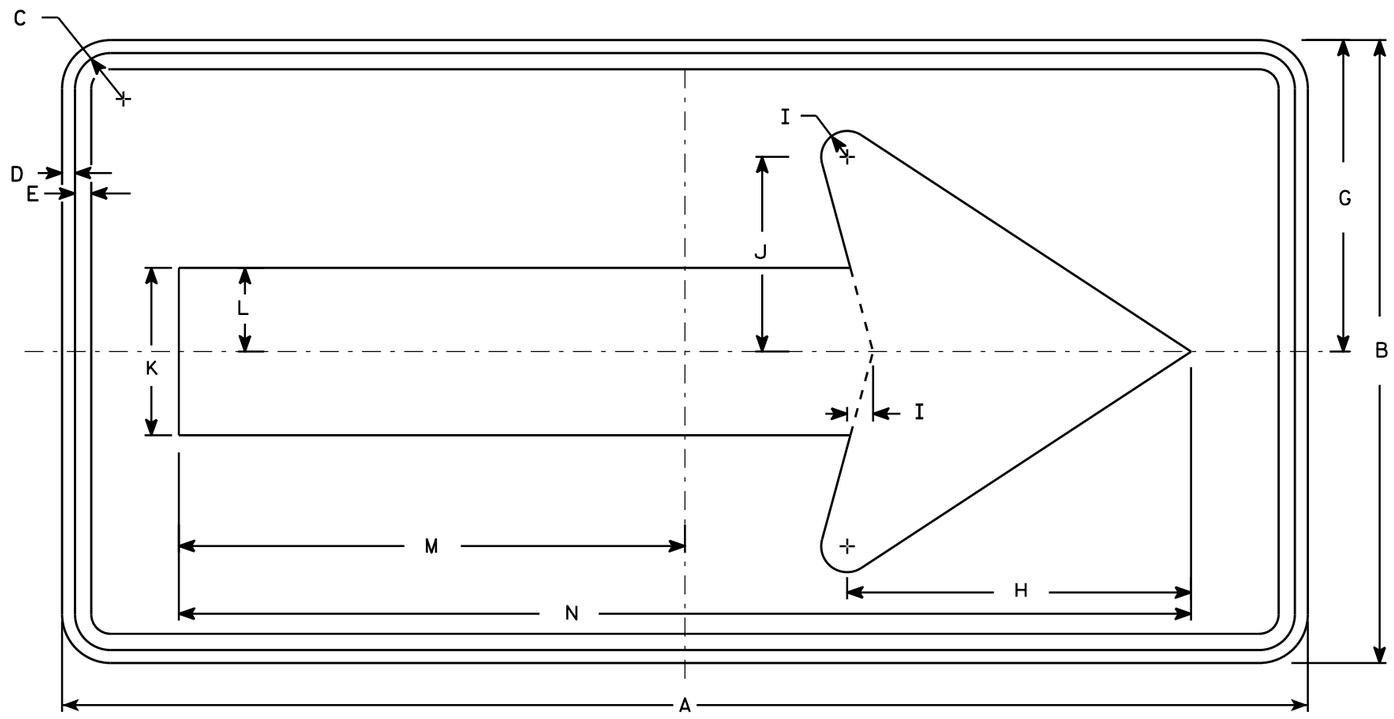
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 418	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	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 3/8	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 3/8	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 3/8	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 3/8	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
W01-6

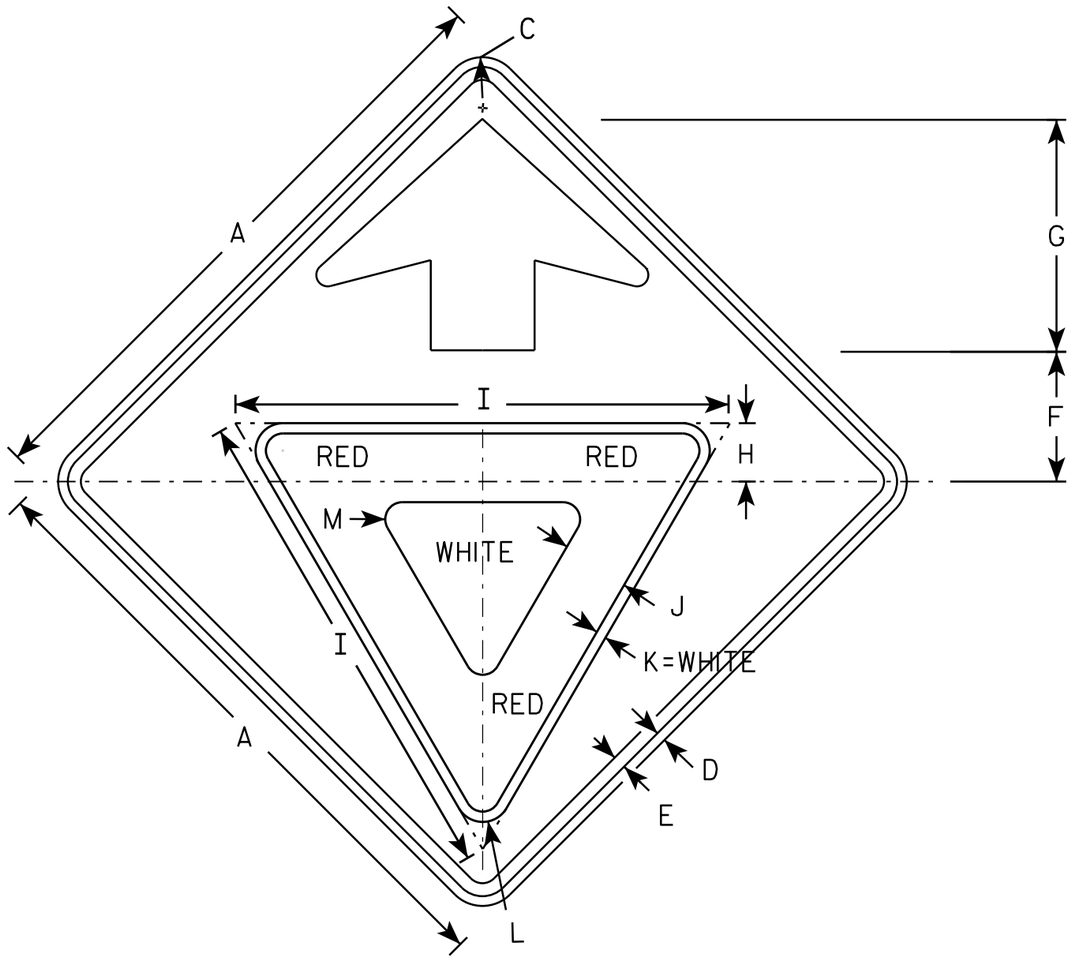
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

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

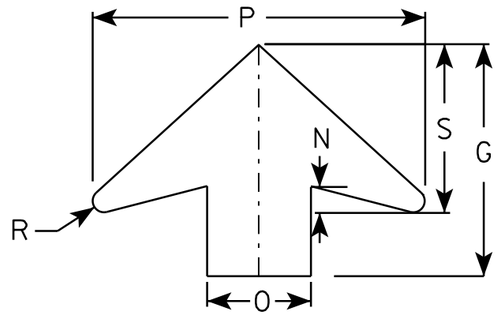
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

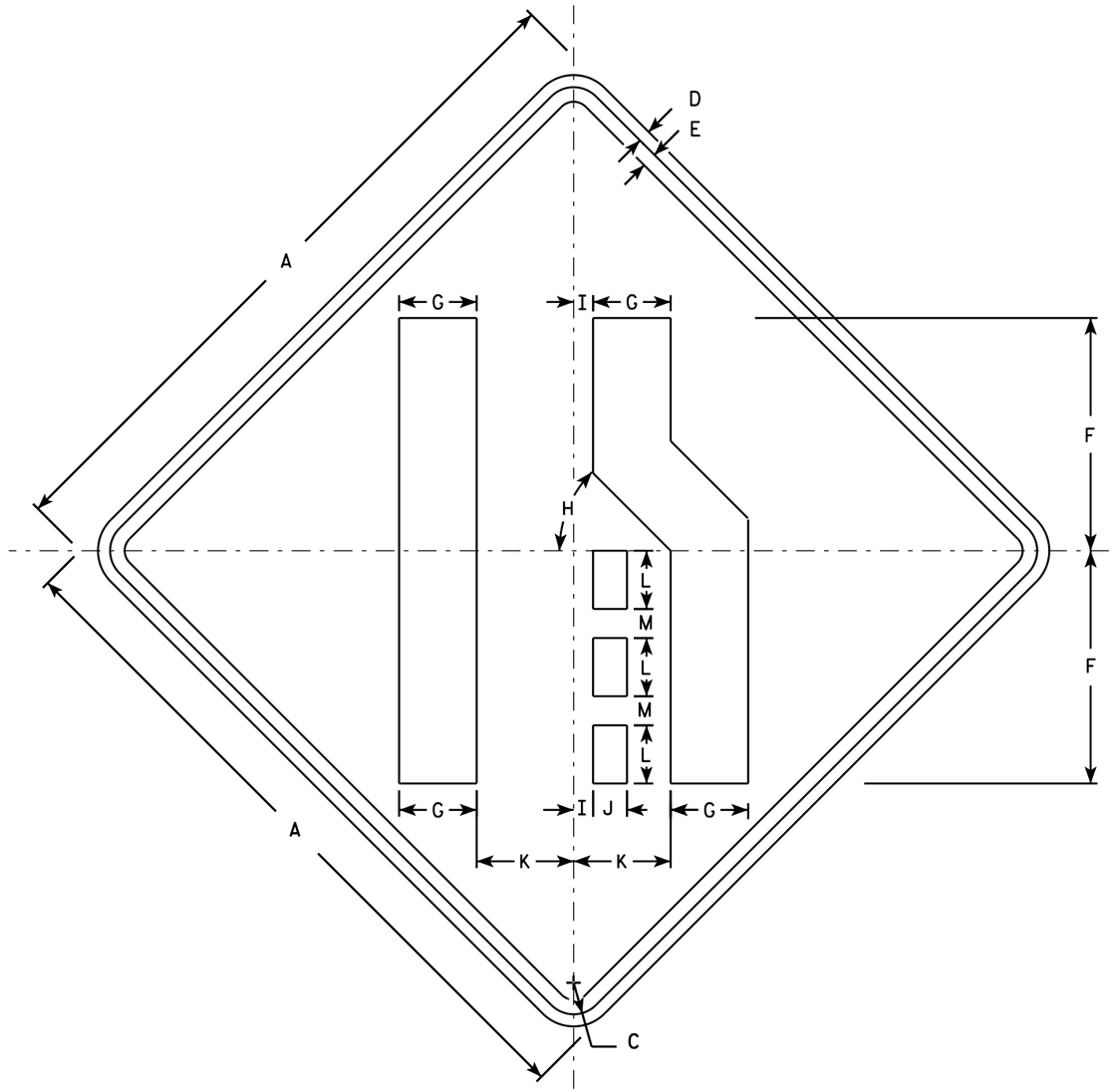
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-2.1

PROJECT NO:

SHEET NO: E



W04-2R

NOTES

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

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

STANDARD SIGN
W04-2

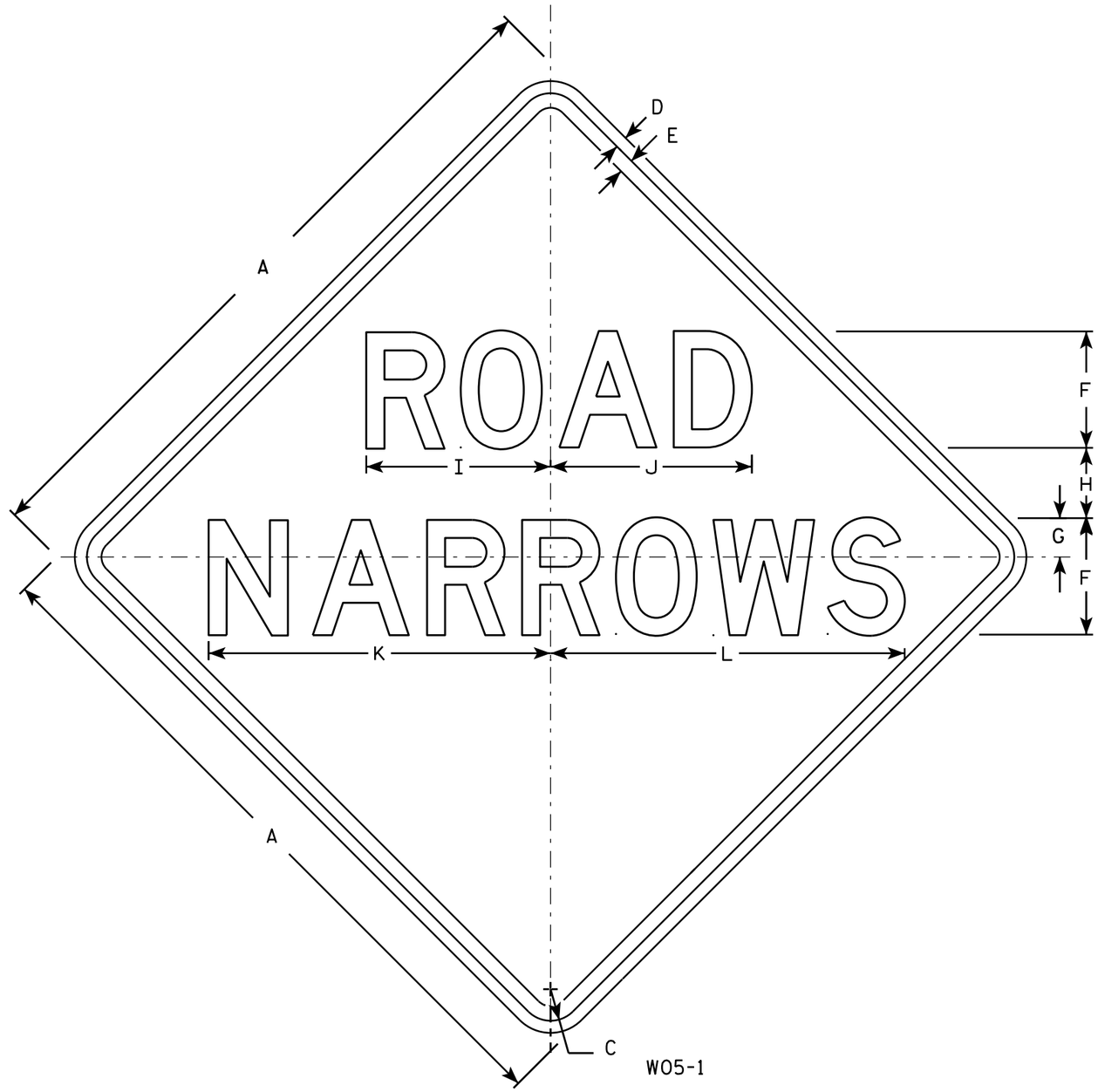
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 421 W04-2.1

PROJECT NO:

SHEET NO: E



W05-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.

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		1 5/8	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		2 1/4	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

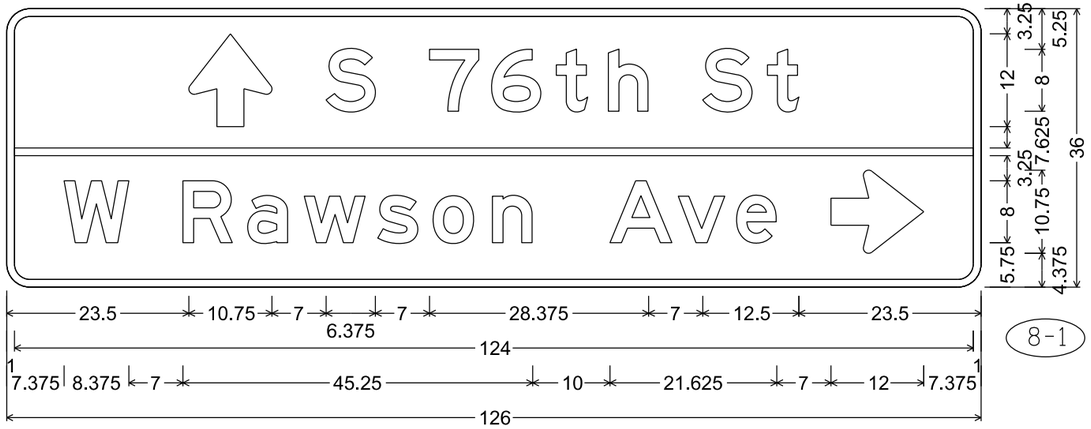
DATE 11/20/13 PLATE NO. W05-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W051.DGN PLOT DATE : 20-NOV-2013 11:56 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810445:1.000000
WISDOT/CADDS SHEET 42

NOTES

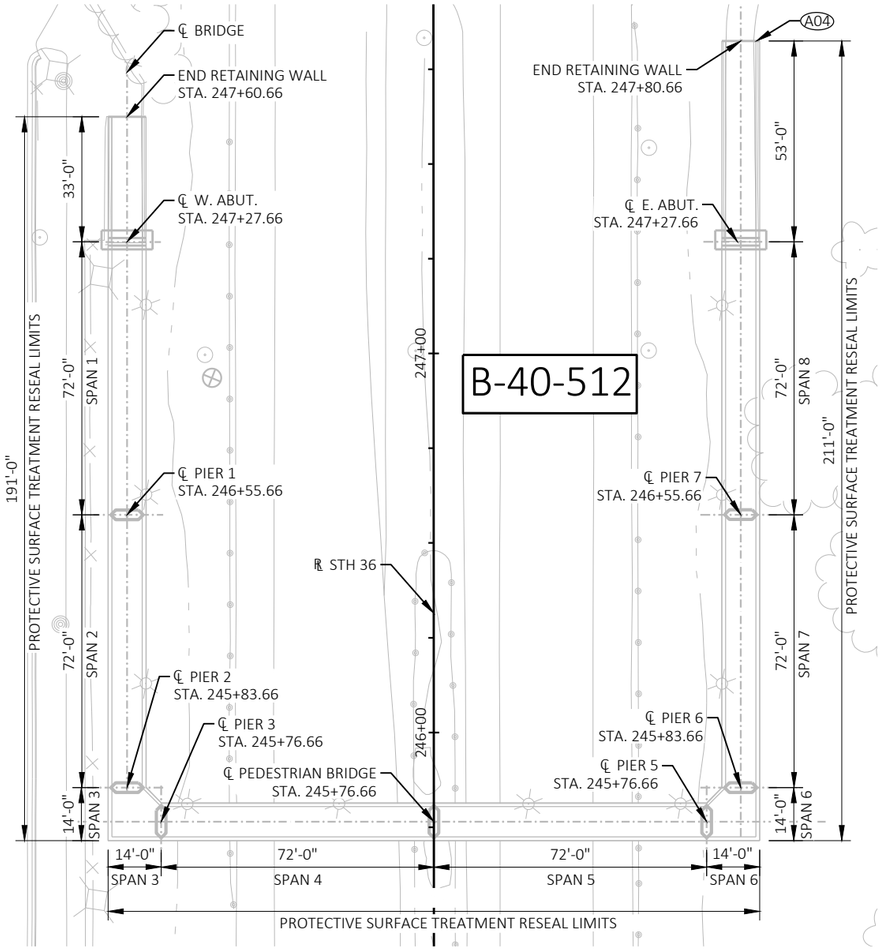
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



D1-2; 3.000" Radius, 1.000" Border

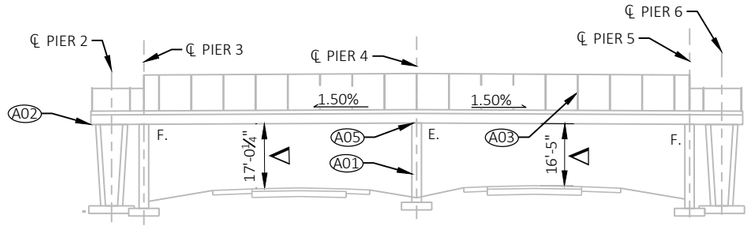
STATE PROJECT NUMBER

2240-00-78



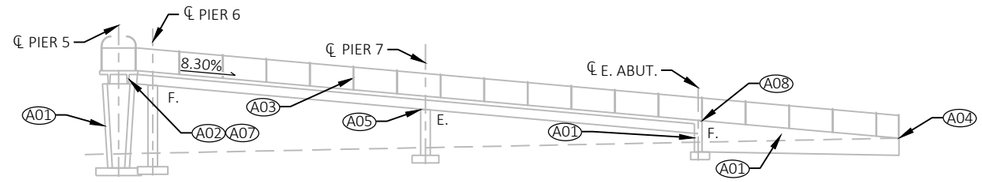
PLAN

8 SPAN PRESTRESSED CONCRETE PEDESTRIAN BRIDGE



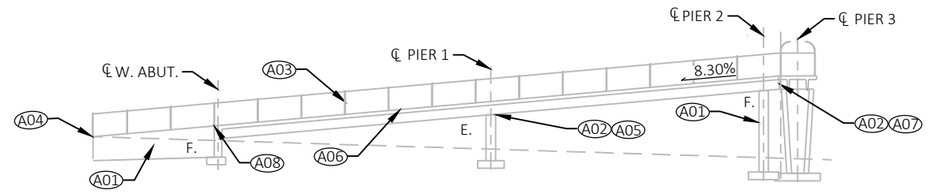
SOUTH ELEVATION

LOOKING NORTH ALONG RL



EAST ELEVATION

LOOKING WEST



WEST ELEVATION

LOOKING EAST

LEGEND

(A01) CONCRETE SURFACE REPAIR TO PIERS AND ABUTMENTS. WORK INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR." QUANTITY IS AN ESTIMATE ONLY. ACTUAL QUANTITIES TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

(A02) SURFACE REPAIR PRESTRESSED CONCRETE GIRDERS. SEE "REHAB DETAILS" SHEET FOR DETAILS.

(A03) REMOVE AND REPLACE DAMAGED PORTIONS OF CHAIN LINK FENCE. WORK INCLUDED IN BID ITEMS, "REMOVING FENCE" AND "FENCE CHAIN LINK 6-FT." QUANTITY IS AN ESTIMATE ONLY. ACTUAL QUANTITIES TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

(A04) WEDGE BRIDGE APPROACH AT ABUTMENT RAMPS. SEE CONSTRUCTION DETAILS IN ROADWAY PLANS FOR DETAILS. WORK INCLUDED IN ROADWAY BID ITEMS.

(A05) CLEAN AND PAINT EXPANSION BEARINGS. WORK INCLUDED IN BID ITEM, "CLEANING AND PAINTING BEARINGS."

(A06) FILL ALL FENCE POST MOUNTING CUPS WITH NON-SHRINK GROUT TO PREVENT WATER POOLING. WORK INCLUDED IN BID ITEM, "NON-SHRINK GROUT."

(A07) REMOVE CONNECTION PLATES AT GIRDER ENDS. SEE "RAMP CONNECTION REPAIR DETAIL" ON "REHAB DETAILS" SHEET FOR DETAILS.

(A08) CLEAN AND RESEAL ABUTMENT JOINT. SEE "ABUTMENT JOINT DETAIL" ON "REHAB DETAILS" SHEET. WORK INCLUDED IN BID ITEM, "PROTECTIVE SURFACE TREATMENT RESEAL."

Δ VERTICAL CLEARANCES TAKEN FROM 2019 BRIDGE INSPECTION REPORT AVAILABLE FROM WISDOT

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: 90 P.S.F.

MATERIAL PROPERTIES:
CONCRETE MASONRY_____f'c = 4,000 PSI

TRAFFIC DATA

STH 36

ADT = 16,600 (2025)
ADT = 16,600 (2045)
RDS = 50 MPH

WISCONSIN
ANTHONY J. CASTLE
E-43345
OAK CREEK
WI
PROFESSIONAL ENGINEER

1/5/2024

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. TYPICAL SECTION AND QUANTITIES
3. REHAB DETAILS

STRUCTURES DESIGN CONTACTS

BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261

CONTACT:
TONY CASTLE (414) 347-1607

NO.	DATE	REVISION	BY

emcs
Transforming Challenges into Solutions

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORATION

ACCEPTED SDR 01/08/24
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-40-512

PEDESTRIAN BRIDGE OVER STH 36

COUNTY	VILLAGE
MILWAUKEE	GREENDALE

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	RJK	DESIGNED CK'D	MDR	DRAWN BY	RJK	PLANS CK'D	MDR

GENERAL PLAN & ELEVATION

SHEET 1 OF 3
424

SCALE =

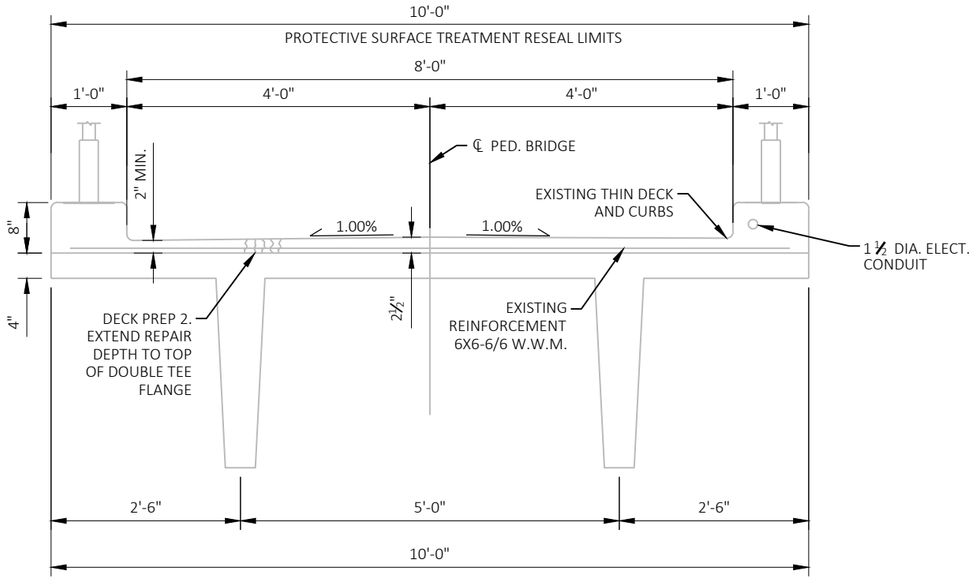
I.D.

DATE:

Y:\52xx\5271_DP20.STH36.MIL.LOOMIS.STH100\09 STRUCTURES\B-40-512\Plan\B-40-512_PLN.dwg, 1/5/2024 11:10:55 AM, DWG To PDF.pc3

STATE PROJECT NUMBER

2240-00-78



TYPICAL SECTION

ALONG CENTERLINE OF DECK

NOTES

DRAWINGS SHALL NOT BE SCALED

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. EXISTING DIMENSIONS ARE BASED ON THE 1980 ORIGINAL STRUCTURE PLANS.

PROTECTIVE SURFACE TREATMENT RESEAL SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE DECK AND CURBS.

THE CONTRACTOR MUST PROTECT THE EXISTING REINFORCEMENT STEEL THAT REMAINS DURING DEMOLITION. REPLACEMENT OF BRIDGE COMPONENTS DAMAGED DURING THE REMOVAL OF THE EXISTING STRUCTURE WILL BE THE CONTRACTORS RESPONSIBILITY AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A ½-INCH DEEP SAW CUT.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

REMOVAL, DISPOSAL, AND NEW CONCRETE PLACEMENT IS CONSIDERED INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR".

CONCRETE SURFACE REPAIR QUANTITIES ARE AN ESTIMATE ONLY. ACTUAL QUANTITIES ARE TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

REMOVE PORTIONS OF DAMAGED FENCE WITH BID ITEM "REMOVING FENCE" AT DISCRETION OF FIELD ENGINEER. FIX OR REPLACE AREAS OF DAMAGED FENCE UNDER BID ITEM "FENCE CHAIN LINK 6-FEET".

PREPARATION DECKS TYPE 1 DETERMINED BY THE FIELD ENGINEER. DECK PREPARATION SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR.

TOTAL ESTIMATED QUANTITIES

CATEGORY 0120

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
203.0220	REMOVING STRUCTURE B-40-512	EACH	1
204.0170	REMOVING FENCE	LF	20
502.0120.S	NON-SHRINK GROUT	CF	5
502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC (4-INCH)	LF	30
502.3215	PROTECTIVE SURFACE TREATMENT RESEAL	SY	677
509.1500	CONCRETE SURFACE REPAIR	SF	81
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	1.4
509.0302	PREPARATION DECKS TYPE 2	SY	25
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	300
509.9025.S	EPOXY INJECTION CRACK REPAIR	LF	100
509.9026.S	CORED HOLES 2-INCH DIAMETER	EACH	2
616.0206	FENCE CHAIN LINK 6-FT	LF	20
SPV.0060.0101	CLEANING AND PAINTING BEARINGS	EACH	6
SPV.0060.0102	CLEANING AND PAINTING EXPANSION JOINTS	EACH	3
SPV.0165.0101	FIBER WRAP REINFORCING NON-STRUCTURAL	SF	125

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-512

DRAWN BY RJK | PLANS CK'D MDR

TYPICAL SECTION AND QUANTITIES

SHEET 2 OF 3

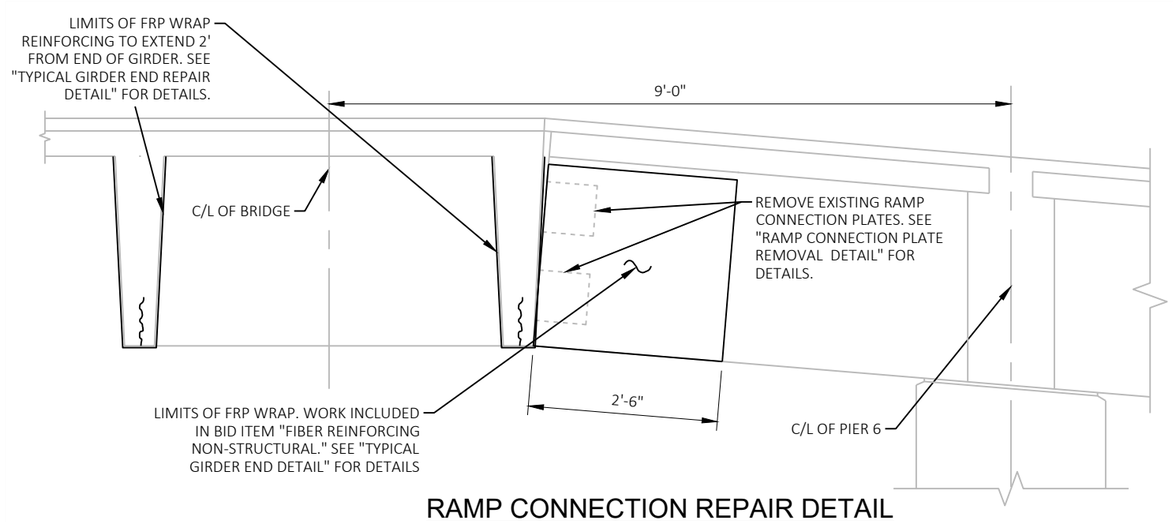
425

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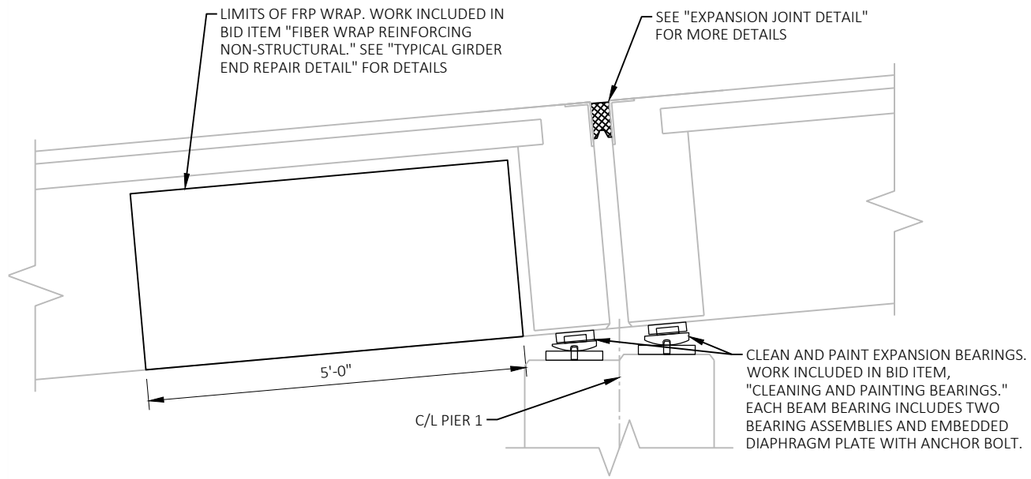
STATE PROJECT NUMBER

2240-00-78



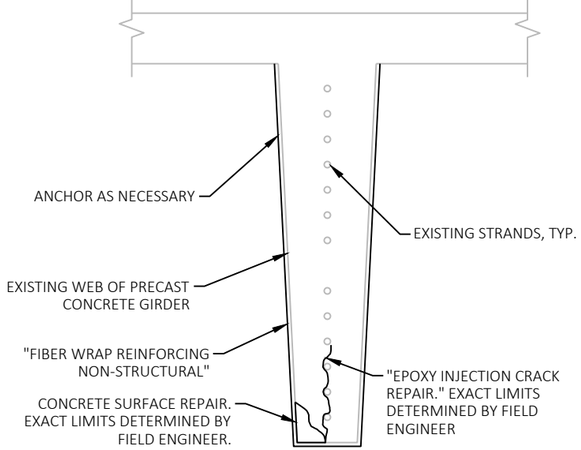
RAMP CONNECTION REPAIR DETAIL

(SPAN 6 SHOWN, LOOKING WEST. SPAN 3 SIMILAR)

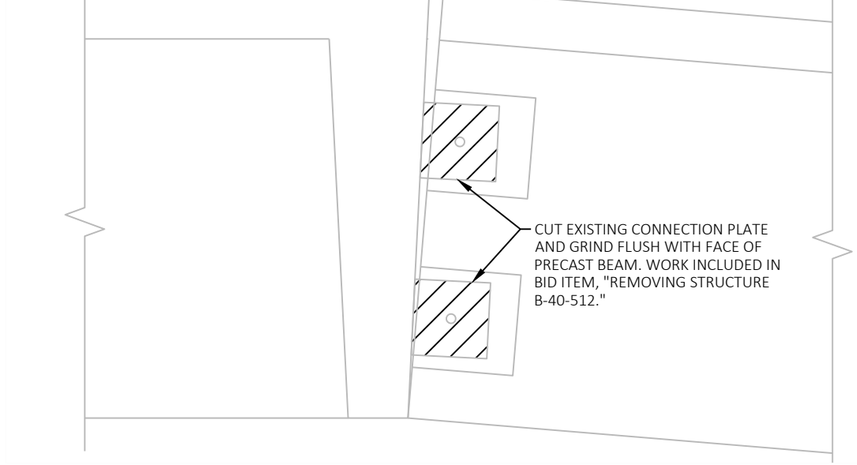


PIER 1 ELEVATION

(LOOKING EAST)

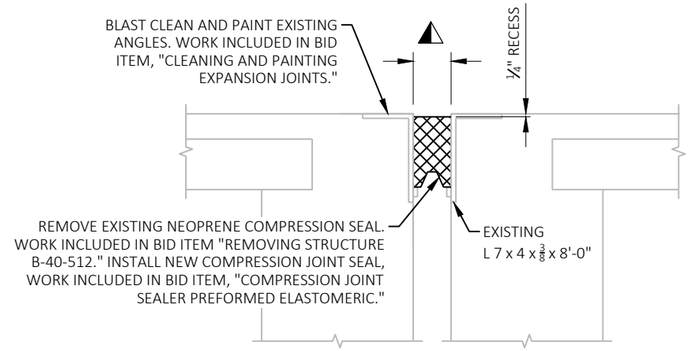


TYPICAL GIRDER END REPAIR DETAIL

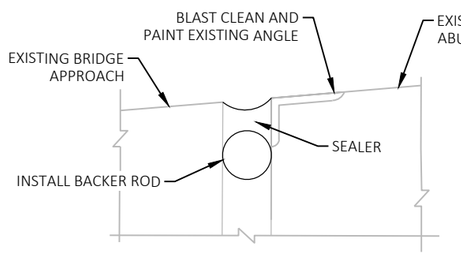


RAMP CONNECTION PLATE REMOVAL DETAIL

(EXISTING SECTION SHOWING REMOVAL LIMITS)
(SPAN 6 SHOWN LOOKING WEST. SPAN 3 SIMILAR)



EXPANSION JOINT DETAIL



ABUTMENT JOINT DETAIL

PROVIDE CLOSED CELL BACKER ROD AS RECOMMENDED BY THE SEALANT MANUFACTURER, CONFORMING TO ASTM D5249, TYPE 3. BACKER ROD SHOULD BE 25%-33% LARGER THAN THE JOINT OPENING AT THE TIME OF SEALING TO ENSURE A SNUG FIT. BACKER ROD AND SEALANT IS CONSIDERED INCLUDED IN THE COST OF BID ITEM "PROTECTIVE SURFACE TREATMENT RESEAL". SEALANT SHALL BE IN ACCORDANCE WITH SECTION 502.2.9 OF THE STANDARD SPECIFICATIONS.

TEMP.*	EXP. JT. OPENING
85°	2-5/8"
75°	2-5/8"
65°	2-3/4"
55°	2-7/8"
45°	2-7/8"
35°	2-7/8"
25°	3"
15°	3"
5°	3-1/8"

*TEMPERATURE (DEG. F)
SHADED UNDERSIDE OF DECK

TEMPERATURE TABLE

NOTE: CONTRACTOR TO FIELD MEASURE AND CONFIRM EXISTING EXPANSION JOINT OPENING WIDTHS AND HEIGHTS MEET JOINT SEALER MANUFACTURER'S REQUIREMENTS AFTER REMOVAL AND CLEANING OF EXISTING JOINTS AND PRIOR TO PURCHASING NEW COMPRESSION JOINT SEALER. BID ITEM WIDTH AND EXPANSION JOINT OPENINGS SHOWN ON PLANS ARE ESTIMATE BASED ON AS-BUILT PLANS AND FIELD MEASUREMENTS. BID ITEM WIDTH OF 4" IS ALSO BASED ON A SETTING TEMPERATURE OF 45 DEGREES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-40-512

DRAWN BY LWB | PLANS CK'D AJC

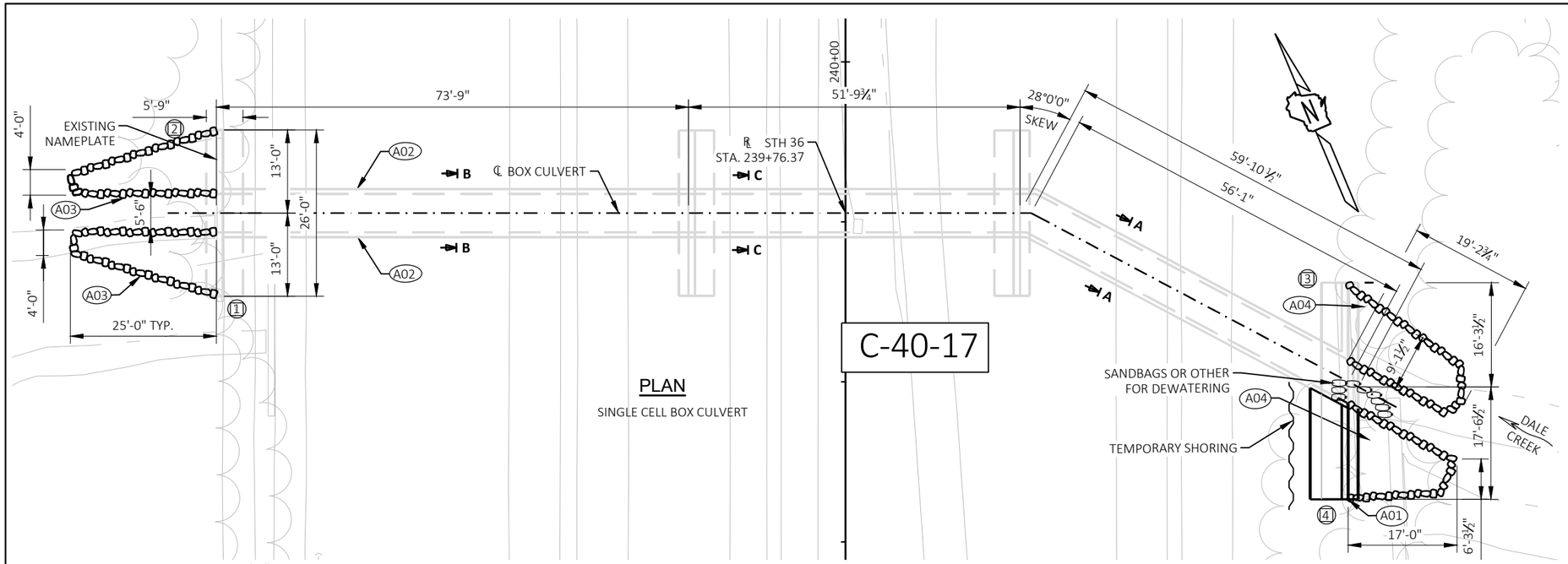
REHAB DETAILS

SHEET 3 OF 3
426

SCALE =

8

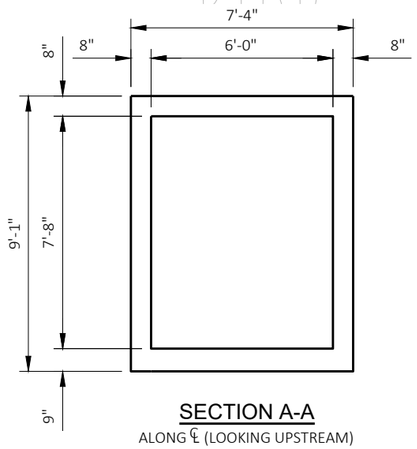
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C-40-17

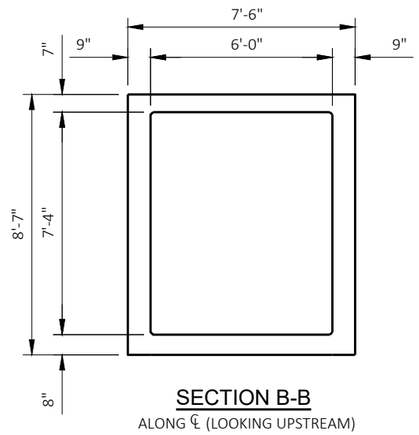
PLAN

SINGLE CELL BOX CULVERT



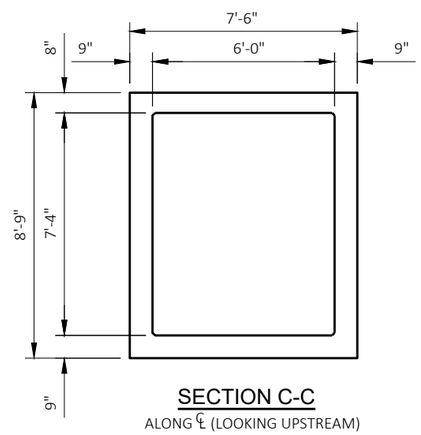
SECTION A-A

ALONG ℄ (LOOKING UPSTREAM)



SECTION B-B

ALONG ℄ (LOOKING UPSTREAM)



SECTION C-C

ALONG ℄ (LOOKING UPSTREAM)

TOTAL ESTIMATED QUANTITIES

CATEGORY 0110

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS C-40-17	EACH	1
204.0175	REMOVING CONCRETE SLOPE PAVING	SY	92
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-40-17	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	92
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	32
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	8
504.0100	CONCRETE MASONRY CULVERTS	CY	14
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,570
509.1500	CONCRETE SURFACE REPAIR	SF	28
509.9020.S	EPOXY CRACK SEALING	LF	60
511.1200	TEMPORARY SHORING C-40-17	SF	288
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7
606.0300	RIPRAP HEAVY	CY	56
645.0120	GEOTEXTILE TYPE HR	SY	83
	NON-BID ITEMS		
	FILLER	SIZE	1/2"

NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. EXISTING DIMENSIONS ARE BASED ON THE 1934 ORIGINAL STRUCTURE PLANS AND THE 1954 AND 1967 CULVERT EXTENSION PLANS.

THE CONTRACTOR MUST PROTECT THE EXISTING REINFORCEMENT STEEL THAT REMAINS DURING DEMOLITION. REPLACEMENT OF CULVERT COMPONENTS DAMAGED DURING THE REMOVAL OF THE EXISTING WALL WILL BE THE CONTRACTORS RESPONSIBILITY AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 -INCH DEEP SAW CUT. SAW CUTS ARE CONSIDERED INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR".

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

REMOVAL, DISPOSAL, AND NEW CONCRETE PLACEMENT OF PIPE PENETRATION PATCH REPAIR AREA IS CONSIDERED INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR".

CONCRETE SURFACE REPAIR AND EPOXY CRACK SEALING QUANTITIES ARE AN ESTIMATE ONLY. ACTUAL QUANTITIES ARE TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-40-17" SHALL BE THE EXISTING GROUNDLINE.

STREAM DIVERSION AND DEWATERING IS CONSIDERED INCLUDED IN COST OF BID ITEM "EXCAVATION FOR STRUCTURES CULVERTS C-40-17".

STATE PROJECT NUMBER

2240-00-78

DESIGN DATA

EARTH LOAD:
LIVE LOAD SURCHARGE = 100 PSF
TOTAL UNIT WEIGHT OF SOIL (SATURATED) = 130 PCF
AT REST EARTH PRESSURE COEFFICIENT (Ka) = 0.5

MATERIAL PROPERTIES:
CONCRETE MASONRY_____f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINF (GRADE 60)_____fy = 60,000 psi

LEGEND

(X) INDICATES WING NUMBER

(A01) REPLACE SOUTHEAST WINGWALL

(A02) REPAIR EXISTING PIPE PENETRATIONS WITH "CONCRETE SURFACE REPAIR"

(A03) REMOVE EXISTING CONCRETE SLOPE PAVING AND REPLACE WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR.

(A04) LIMITS OF HEAVY RIPRAP AND GEOTEXTILE TYPE HR.

TRAFFIC DATA

STH 36
ADT = 17,200 (2025)
ADT = 17,200 (2045)
RDS = 50 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & TYPICAL SECTION
2. WINGWALL REPLACEMENT DETAILS
3. PIPE REPAIR DETAILS

WISCONSIN
ANTHONY J. CASTLE
E-43345
OAK CREEK
WI
PROFESSIONAL ENGINEER

11/2/2023

STRUCTURE DESIGN CONTACTS:
TONY CASTLE 414-935-5740
AARON BONK 608-261-0161

NO.	DATE	REVISION	BY

emcs
Transforming Challenges into Solutions

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 11/07/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-40-17

STH 36 OVER BR DALE CREEK

COUNTY MILWAUKEE	VILLAGE GREENDALE
DESIGN SPEC. REHABILITATION N/A	
DESIGNED BY JRM	DESIGN CK'D. AJC
DRAWN BY JRM	PLANS CK'D. AJC

GENERAL PLAN & TYPICAL SECTION

SHEET 427 1 OF 3

STATE PROJECT NUMBER

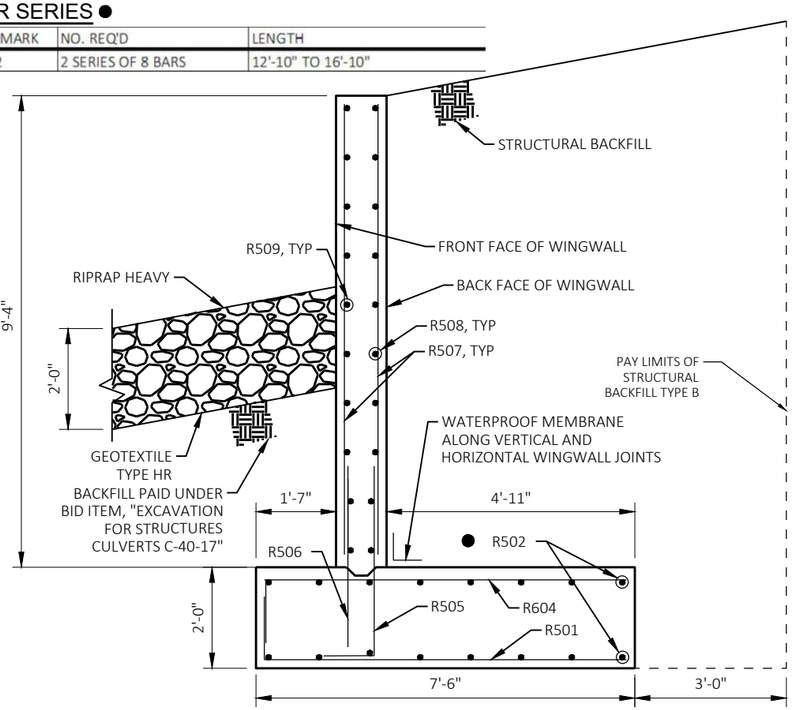
2240–00–78

BILL OF BARS

BAR MARK	COAT	NO.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	14	7'-11"	X		FOOTING BOTTOM MAT TRANSVERSE REINFORCEMENT
R502	X	16	14'-10"		●	FOOTING BOTTOM MAT LONGITUDINAL REINFORCEMENT
R503	X	8	1'-3"			TRANSVERSE DOWEL BAR
R604	X	14	8'-2"	X		FOOTING TOP MAT TRANSVERSE REINFORCEMENT
R505	X	20	5'-7"	X		VERTICAL FOOTING DOWEL
R506	X	15	4'-11"			VERTICAL FOOTING DOWEL
R507	X	35	9'-0"			WALL VERTICAL REINFORCEMENT
R508	X	10	14'-3"			WALL HORIZONTAL REINFORCEMENT
R509	X	10	13'-11"			WALL HORIZONTAL REINFORCEMENT
R610	X	1	5'-5"			FOOTING TOP MAT TRANSVERSE REINFORCEMENT
R511	X	1	5'-5"			FOOTING BOTTOM MAT TRANSVERSE REINFORCEMENT
R612	X	1	3'-7"			FOOTING TOP MAT TRANSVERSE REINFORCEMENT
R513	X	1	3'-7"			FOOTING BOTTOM MAT TRANSVERSE REINFORCEMENT
R614	X	1	1'-8"			FOOTING TOP MAT TRANSVERSE REINFORCEMENT
R515	X	1	1'-8"			FOOTING BOTTOM MAT TRANSVERSE REINFORCEMENT
R516	X	16	1'-5"			CULVERT HORIZONTAL REINFORCEMENT
R517	X	6	7'-4"			CULVERT VERTICAL REINFORCEMENT

BAR SERIES ●

BAR MARK	NO. REQ'D	LENGTH
R502	2 SERIES OF 8 BARS	12'-10" TO 16'-10"



SOUTHEAST WINGWALL SECTION

NOTES

SEALANT FOR CULVERT CONSTRUCTION JOINTS IS CONSIDERED INCLUDED IN BID ITEM "CONCRETE MASONRY CULVERTS".

CONTAIN ANY DEBRIS FROM CONCRETE SURFACE REPAIR AREAS UNDER BID ITEM "REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS C-40-17".

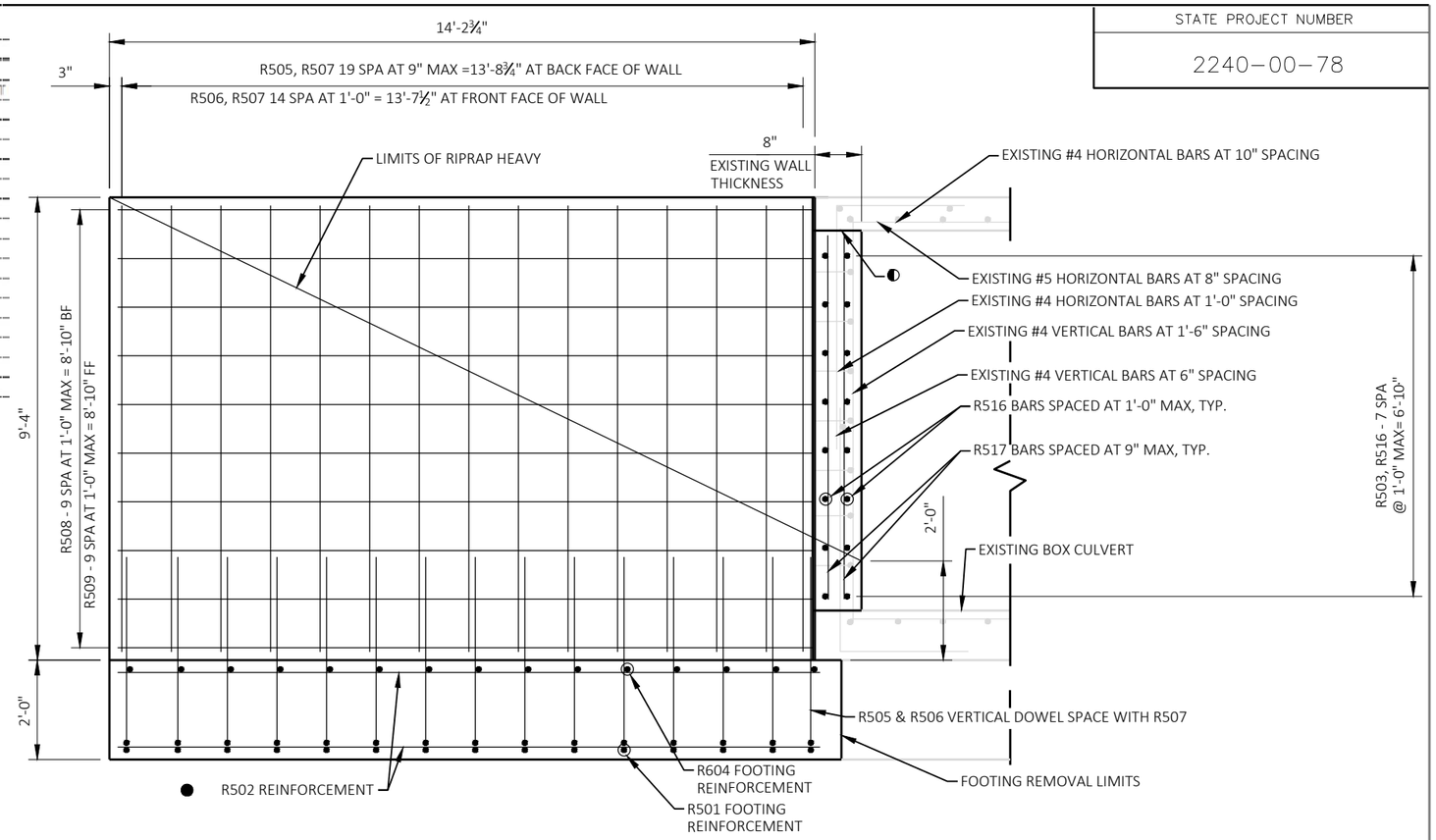
THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE B" REQUIRED ON THE BOX CULVERT SIDES AND BEHIND APRON WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

IN LIEU OF USING BREAKER RUN FOR THE WINGWALL FOOTING PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

◐ CONTRACTOR TO SUPPLY TEPMPORARY SUPPORT AS NEEDED DURING REMOVAL AND CONSTRUCTION OF CULVERT BARREL WALL SECTION TO AVOID EXCESSIVE CRACKING AND DEFLECTION. WORK INCLUDED IN BID ITEM "REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS C-40-17"

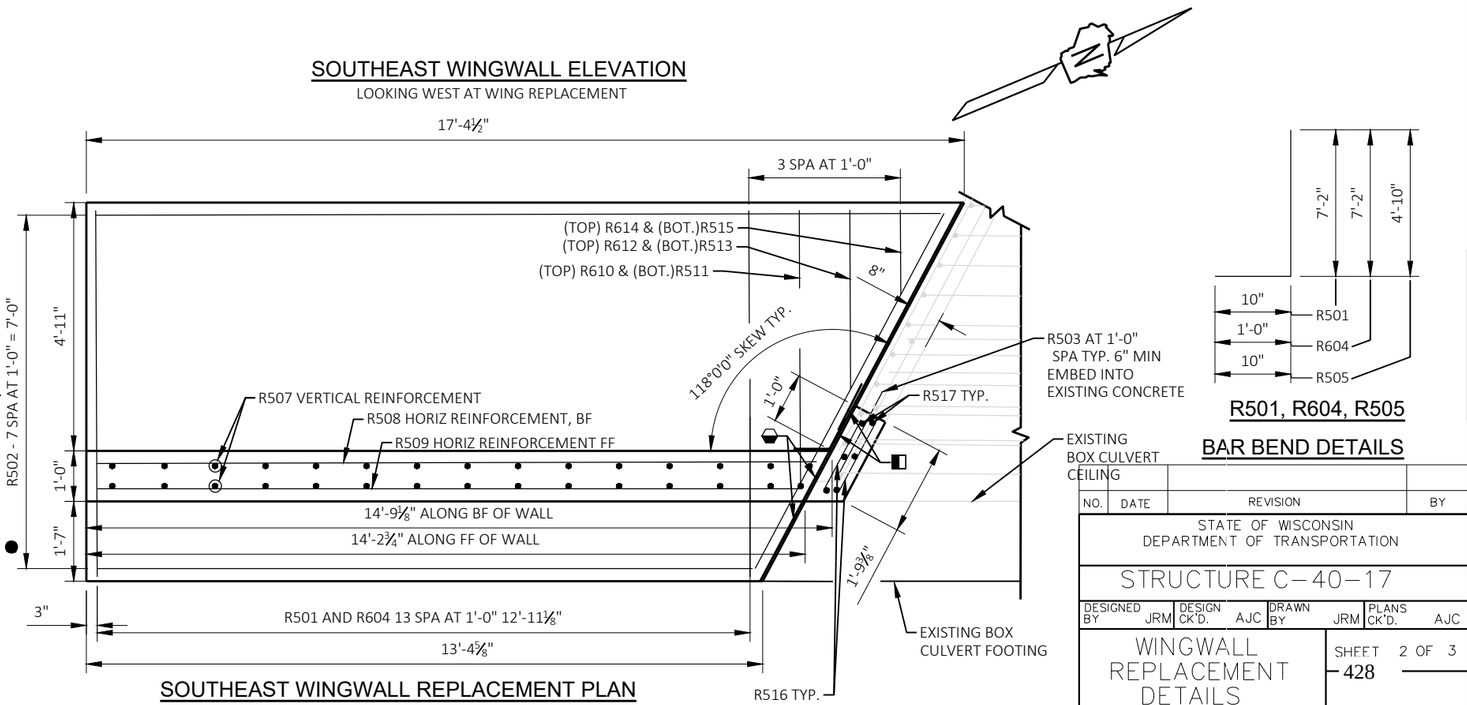
◒ ½" FILLER BETWEEN CULVERT AND WINGWALL BODY AND FOOTING

◧ RUBBERIZED MEMBRANE WATERPROOFING



SOUTHEAST WINGWALL ELEVATION

LOOKING WEST AT WING REPLACEMENT



SOUTHEAST WINGWALL REPLACEMENT PLAN

R501, R604, R505 BAR BEND DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C–40–17

DESIGNED BY	JRM	DESIGN CK'D.	AJC	DRAWN BY	JRM	PLANS CK'D.	AJC

WINGWALL REPLACEMENT DETAILS

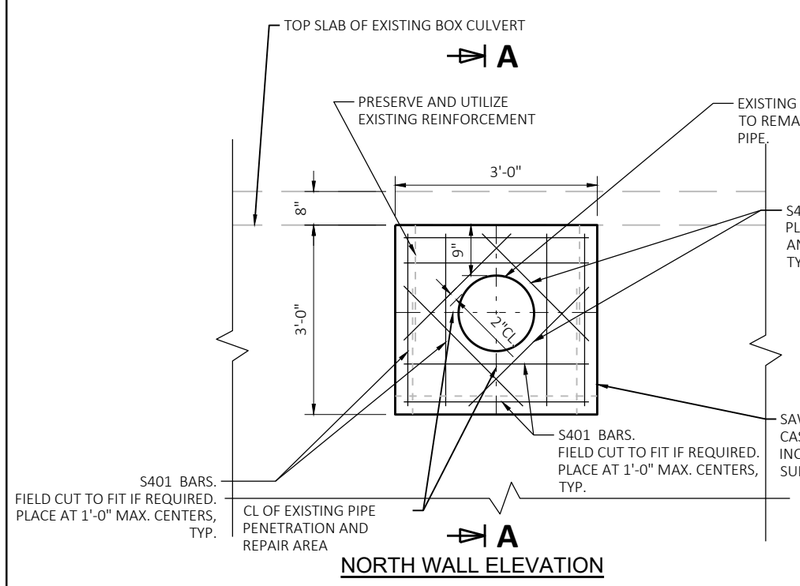
SHEET 2 OF 3

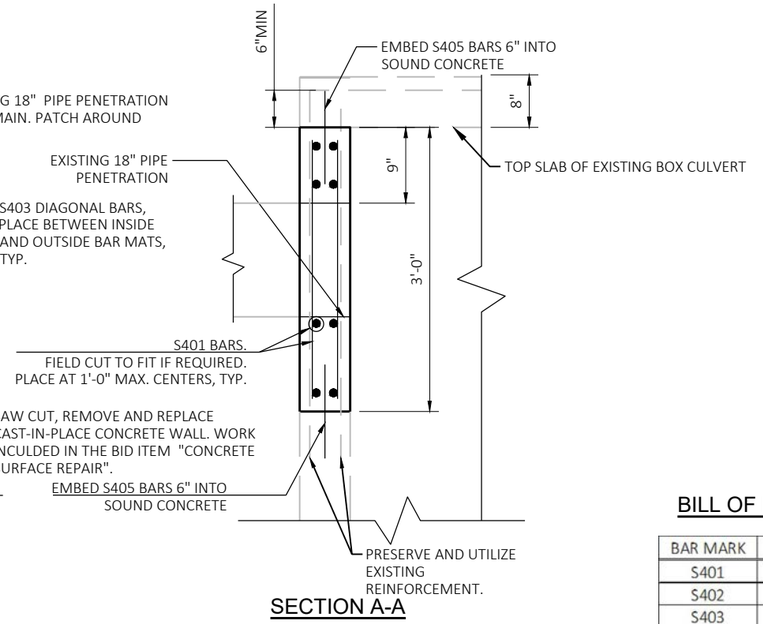
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STATE PROJECT NUMBER

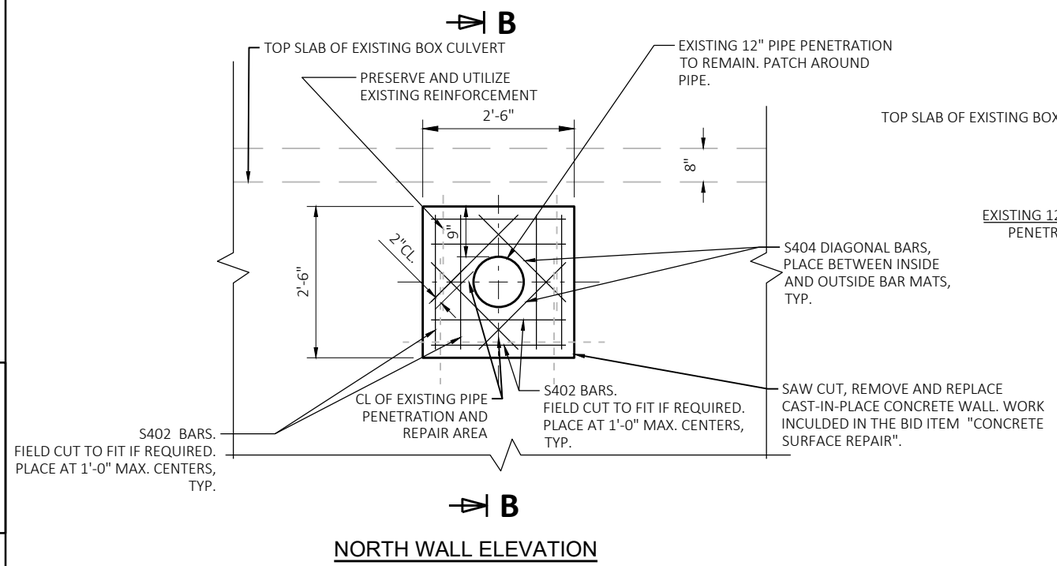
2240-00-78

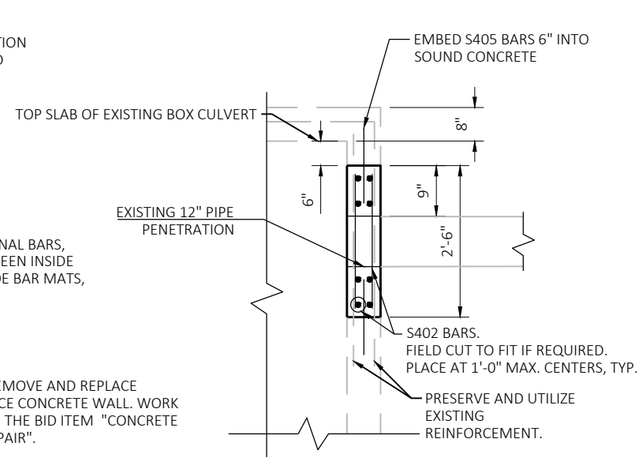




BILL OF BARS

BAR MARK	COAT	NO.	LENGTH	BENT	LOCATION
S401	X	16	2'-8"		VERT. & HORIZ. REINFORCING BARS AT 18" PIPE
S402	X	16	2'-2"		VERT. & HORIZ. REINFORCING BARS AT 12" PIPE
S403	X	8	3'-0"		DIAGONAL REINFORCING BARS OF 18" PIPE
S404	X	8	3'-4"		DIAGONAL REINFORCING BARS OF 12" PIPE
S405	X	32	1'-1"		WALL ANCHORS





NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

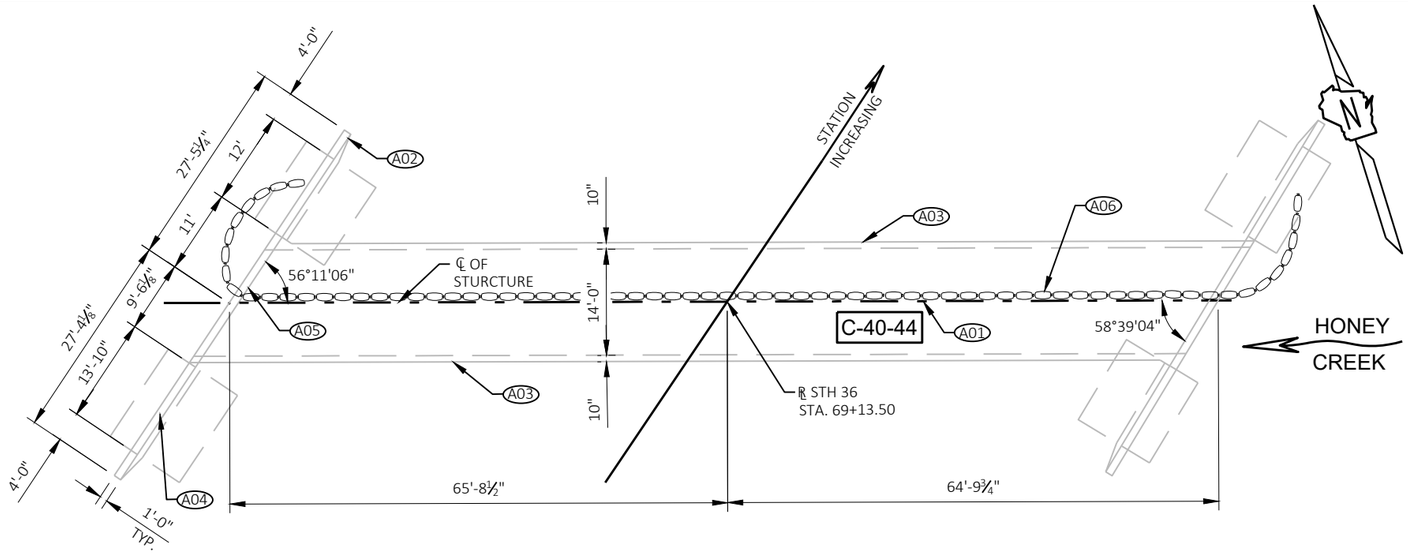
STRUCTURE C-40-17

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JRM	AJC	JRM	AJC

PIPE REPAIR DETAILS

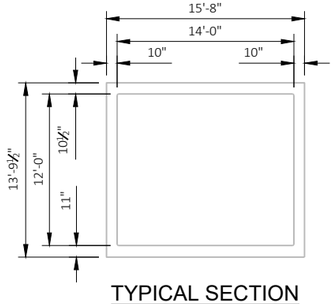
SHEET 3 OF 3

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PLAN

SINGLE CELL BOX CULVERT



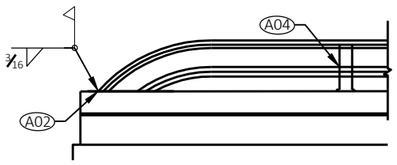
TYPICAL SECTION

ALONG ℞ (LOOKING UPSTREAM)

TOTAL ESTIMATED QUANTITIES

CATEGORY 0100

BID ITEM NO.	BID ITEMS	UNIT	TOTAL
206.5001	COFFERDAMS C-40-44	EACH	1
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	44
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	150
506.0605	STRUCTURAL STEEL HS	LB	1
509.1500	CONCRETE SURFACE REPAIR	SF	41
509.9020.S	EPOXY CRACK SEALING	LF	30



RAILING DETAIL

LEGEND

(A01) REPAIR CRACKS IN CULVERT CEILING AND WALL WITH "EPOXY CRACK SEALING"

(A02) REPAIR CRACKED WELD IN RAILING. ALL MATERIAL AND WORK INCLUDED IN BID ITEM, "STRUCTURAL STEEL HS"

(A03) REPAIR EXISTING 42" AND 24" PIPE PENETRATIONS WITH "CONCRETE SURFACE REPAIR." SEE DETAILS ON "PIPE REPAIR DETAILS" SHEET

(A04) REPLACE MISSING BOLTS IN RAILING. ALL MATERIAL AND WORK INCLUDED IN BID ITEM, "STRUCTURAL STEEL HS"

(A05) CONCRETE SURFACE REPAIR TO PARAPETS, HEADWALLS, AND CULVERT INTERIOR

(A06) SANDBAGS OR OTHER TECHNIQUE TO DIVERT WATER FROM SURFACE REPAIR AREAS, PIPE PENETRATION REPAIR AREAS, AND CRACK INJECTION REPAIR AREAS. PAID FOR UNDER BID ITEM "COFFERDAMS C-40-44", TYP. COFFERDAM CONFIGURATION SHOWN FOR NORTH WALL REPAIRS, SOUTH WALL CONFIGURATION SIMILAR.

TRAFFIC DATA

STH 36
ADT = 17,240 (2025)
ADT = 18,610 (2045)
RDS = 50 MPH

LIST OF DRAWINGS

1. GENERAL PLAN AND TYPICAL SECTION
2. PIPE REPAIR DETAILS

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES: AARON BONK (608) 261-0261

DESIGN CONSULTANT: TONY CASTLE (414) 935-5740

WISCONSIN
ANTHONY J. CASTLE
E-43345
OAK CREEK
WI
PROFESSIONAL ENGINEER

10/31/2023

DESIGN DATA

MATERIAL PROPERTIES:
CONCRETE SURFACE REPAIR_____f'c = 3,500 psi
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)_____fy = 60,000 psi

LIVE LOAD:
DESIGN LOAD: HL-93
INVENTORY RATING: RF = 1.00
OPERATING RATING: RF = 1.67
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 190 KIPS

NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS NOTED OTHERWISE.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. EXISTING DIMENSIONS ARE BASED ON THE 1966 ORIGINAL STRUCTURE PLANS.

THE CONTRACTOR MUST PROTECT THE EXISTING REINFORCEMENT STEEL THAT REMAINS DURING DEMOLITION. REPLACEMENT OF CULVERT COMPONENTS DAMAGED DURING THE REMOVAL OF THE EXISTING WALL WILL BE THE CONTRACTORS RESPONSIBILITY AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.

REMOVAL, DISPOSAL, AND NEW CONCRETE PLACEMENT OF PIPE PENETRATION PATCH REPAIR AREA IS CONSIDERED INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR".

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A ½ -INCH DEEP SAW CUT. SAW CUTS ARE CONSIDERED INCLUDED IN BID ITEM "CONCRETE SURFACE REPAIR".

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

FOR THE BOLT REPLACEMENT, USE A ⅝" STAINLESS STEEL CAP SCREW AND CURVED AND TAPERED CAST ALUMINUM WASHER. CAP SCREW AND WASHER REPLACEMENT TO BE PAID FOR UNDER BID ITEM "STRUCTURAL STEEL HS"

GRIND BROKEN WELD ON WEST RAILING FLUSH AND CLEAN AREA BEFORE APPLYING NEW WELD. BROKEN WELD REMOVAL AND NEW WELD TO BE PAID FOR UNDER BID ITEM "STRUCTURAL STEEL HS".

CONCRETE SURFACE REPAIR AND EPOXY CRACK SEALING QUANTITIES ARE AN ESTIMATE ONLY. ACTUAL QUANTITIES ARE TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE FIELD ENGINEER.

ALL POSTS AND PLATE MATERIAL SUBJECT TO GRINDING AND WELDING SHALL BE REPAINTED WITH AN APPROVED ZINC RICH PRIMER COAT AND TOP COAT TO MATCH EXISTING RAIL. PAINTING IS CONSIDERED INCLUDED IN THE COST FOR BID ITEM "STRUCTURAL STEEL HS".

EXCAVATION OF STREAMBED DURING CONSTRUCTION SHOULD BE AVOIDED AND ONLY OCCUR WHERE REQUIRED TO ACCESS CULVERT REPAIR AREAS. CONTRACTOR TO BACKFILL EXCAVATED MATERIAL AFTER REPAIR WORK IS COMPLETE TO EXISTING STREAMBED ELEVATION. LOCALIZED EXCAVATION, STORAGE OF MATERIAL, AND BACKFILLING IS INCLUDED IN BID ITEM "COFFERDAMS C-40-44."

STATIONING IS FROM THE ORIGINAL 1966 CONSTRUCTION PLANS.

STATE PROJECT NUMBER

2240-00-78

NO.	DATE	REVISION	BY

emcs
Transforming Challenges into Solutions

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 11/15/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-40-44

STH 36 OVER HONEY CREEK

COUNTY	MILWAUKEE	CITY	GREENFIELD
DESIGN SPEC.	REHABILITATION N/A		
DESIGNED BY	RJK	DESIGN CK'D.	AJC
DRAWN BY	RJK	PLANS CK'D.	AJC

GENERAL PLAN & TYPICAL SECTION

SHEET 1 OF 2
430

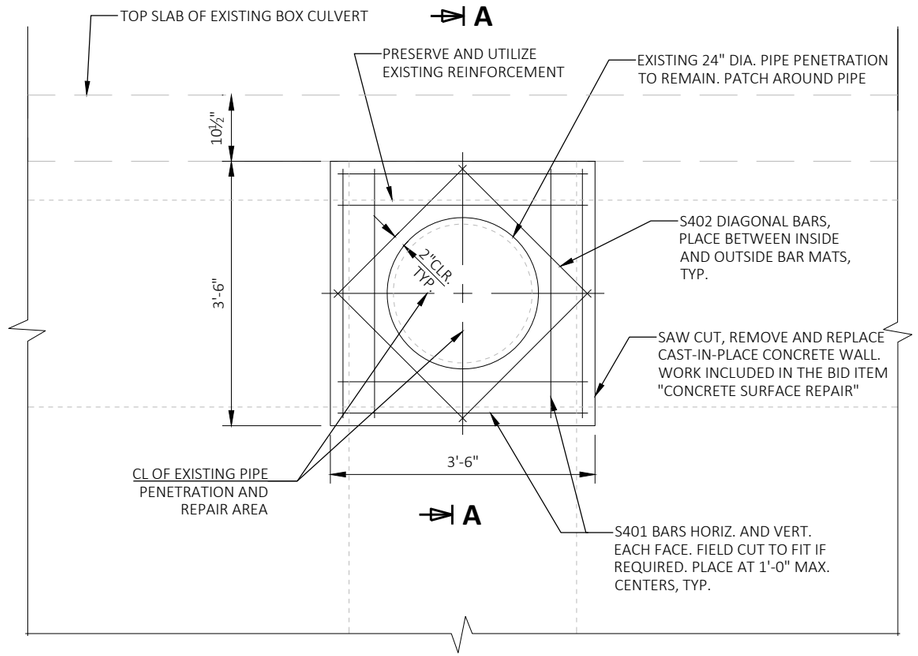
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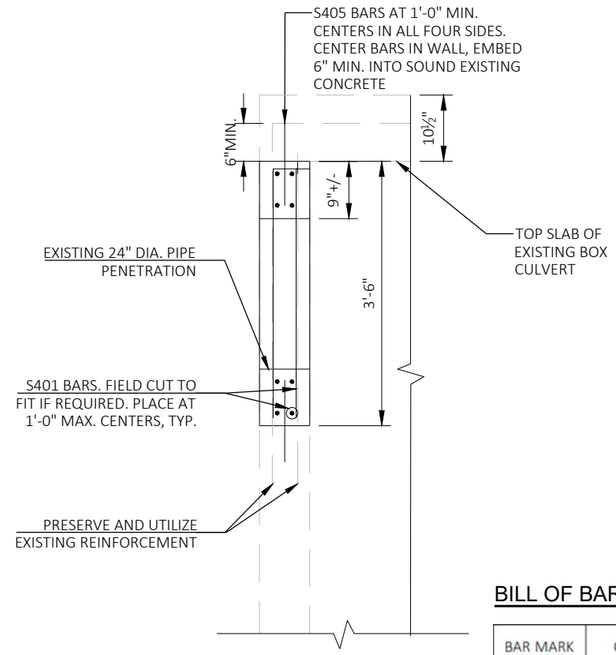
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STATE PROJECT NUMBER

2240-00-78



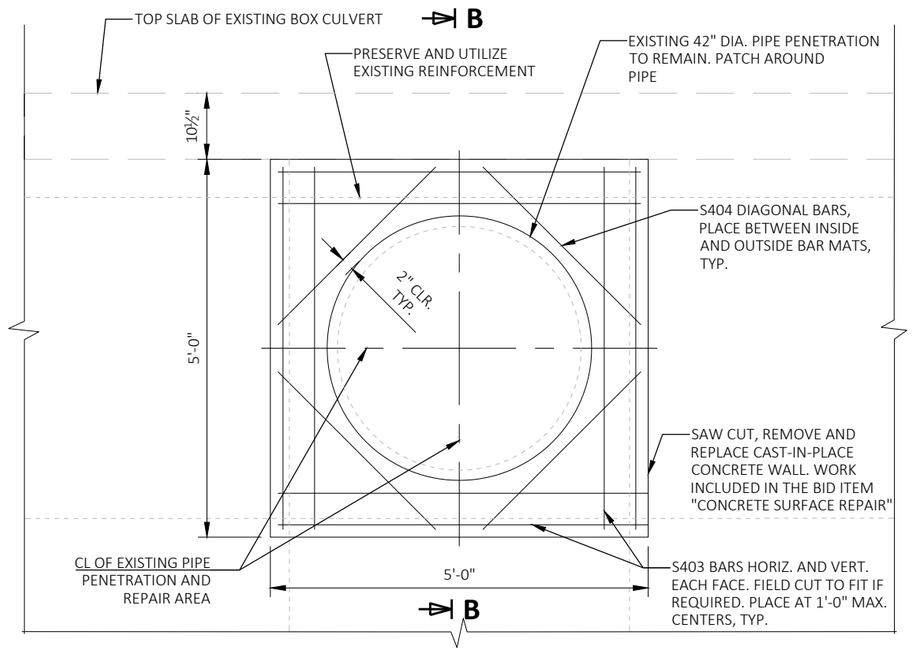
WALL ELEVATION
(AT 24" PIPE PENETRATION)



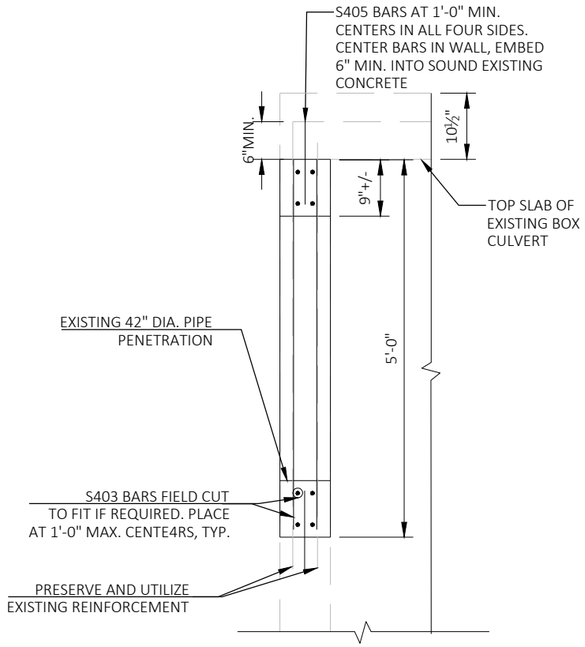
SECTION A-A

BILL OF BARS

BAR MARK	COAT	NO.	LENGTH	BENT	LOCATION
S401	X	16	3'-2"		VERTICAL/HORIZONTAL REINFORCING BARS OF 24" PIPE
S402	X	8	2'-4"		DIAGONAL REINFORCING BARS OF 24" PIPE
S403	X	16	4'-8"		VERTICAL/HORIZONTAL REINFORCING BARS OF 42" PIPE
S404	X	8	2'-11"		DIAGONAL REINFORCING BARS OF 42" PIPE
S405	X	44	1'-0"		WALL ANCHORS



WALL ELEVATION
(AT 42" PIPE PENETRATION)



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-44

DRAWN BY AMR | PLANS CK'D AJC

PIPE REPAIR DETAILS

SHEET 2 OF 2
431

SCALE =

8

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FOR INFORMATION ONLY PURPOSES. PAID FOR AS
PART OF ARRIER SYSTEM RADIN SAPIN
FINISIN ITEM

EAMUARD STA 1012

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
140+79	0.00	7.53	0.00	0	0	0	0	0
141+00	21.11	2.61	0.00	.	0	4	0	4
111.1	1.2	1.2	0.00	2	0	6	0	6
112	.	1.2	0.0	0	0	6	0	6
11.32	1.32	1.	0.00	1	0	7	0	7
110	.	1.	0.03	0	0	7	0	7
11.32	1.32	1.1	0.	1	0	8	0	8
11	.	1.11	0.	0	0	8	0	8
1200	2.00	1.0	0.	1	1	9	1	8
122	2.00	1.02	1.01	1	1	10	3	7
120	2.00	1.2	0.	1	1	11	4	7
12	2.00	0.	0.2	1	1	12	5	7
12.	12.	0.	0.1	0	0	12	5	7

NOTES	
1 CUT	CUT INCLUDES SALVAEDUNUSALE PAVEMENT MATERIAL
2 FILL	DOES NOT INCLUDE UNUSALE PAVEMENT EXC VOLUME
3 MASS ORDINATE	CUT SALVAED PAVT (FILL FILL FACTOR)

EAMUARD STA 200200

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
200	0.00	0.00	0.00	0	0	0	0	0
200.	0.	0.00	0.00	0	0	0	0	0
22.	2.00	0.00	0.00	0	0	0	0	0
20	2.	0.00	0.00	0	0	0	0	0
20.	0.	0.00	0.00	0	0	0	0	0
200	.	0.00	0.00	0	0	0	0	0
20	0.00	0.00	0.00	0	0	0	0	0
23	3.00	1.3	0.2	0	0	0	0	0
200	.00	1.0	0.	2	1	2	1	1
20	0.00	1.0	0.	2	1	4	3	1
200	0.00	1.32	0.1	2	1	6	4	2
203.	3.	1.1	0.3	0	0	6	4	2
230	2.3	1.33	0.	1	1	7	5	2
2.0	1.0	1.2	2.3	1	1	8	7	2
20	0.	1.32	2.3	0	0	8	7	2
23.	3.	1.23	2.1	0	0	8	7	2
200	.3	1.	0.3	2	2	10	9	1
2.	.	0.	0.10	2	1	12	10	2
20	1.21	0.	0.0	0	0	12	10	2

EAMUARD STA 200200

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
200	0.00	0.00	0.00	0	0	0	0	0
2.	.	2.0	0.22	2	0	2	0	2
20	1.21	2.2	0.1	0	0	2	0	2
23.	23.	1.1	1.	2	1	4	1	3
2.	2.00	1.2	1.2	1	1	5	3	2
200	1.21	1.20	1.22	0	0	5	3	2
20	0.00	2.0	0.00	3	1	8	4	4
2000	0.00	0.	0.00	3	0	11	4	7
200	0.00	0.	0.0	2	1	13	5	8
2100	0.00	0.0	0.33	2	1	1	7	9
210	0.00	0.3	0.	2	1	1	8	9
2200	0.00	1.1	0.13	2	1	1	9	10
220	0.00	0.	0.13	2	0	21	9	12
2300	0.00	1.0	0.1	2	0	23	9	1
230	0.00	0.1	0.	2	1	2	10	1
200	0.00	0.0	0.	1	1	2	12	1
20	0.00	0.	0.13	1	1	2	13	1
200	0.00	0.2	.	1	6	2	21	7
20	0.00	0.1	1.3	1	7	2	30	1
200	0.00	0.3	1.3	1	3	30	3	-4
20	0.00	0.0	1.21	1	2	31	3	-5
200	0.00	0.	0.	1	2	32	3	-7
20	0.00	0.	1.2	1	2	33	2	-9
200	0.00	0.2	.20	1	7	3	1	1
20	0.00	0.1	0.	1	6	3	59	2
200	0.00	0.	1.	1	1	3	79	3
20	0.00	0.2	0.	1	1	3	100	3
2000	0.00	0.	0.20	1	1	3	101	3
200	0.00	0.	0.30	2	0	0	101	1
2100	0.00	1.01	0.0	2	0	2	101	-59
210	0.00	0.	1.11	2	1	44	103	-59
2200	0.00	1.00	0.	2	2	46	10	-59
220	0.00	0.	1.	1	3	47	10	2
2300	0.00	1.0	0.13	2	2	49	112	3
230	0.00	0.	0.0	2	0	1	112	1
200	0.00	0.0	0.00	1	0	2	112	0

EAMUARD STA 200200

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
200	0.00	1.10	1.3	0	0	0	0	0
200.	0.	1.13	1.32	0	0	0	0	0
22.	2.00	1.3	0.2	1	1	1	1	0
20	2.	1.	0.00	2	0	3	1	2
20.	0.	2.00	0.01	0	0	3	1	2
200	.	1.03	0.	3	1	6	3	3
20	0.00	1.	0.00	2	1	8	4	4
23	3.00	1.3	0.0	0	0	8	4	4
200	.00	1.0	0.	2	1	10	5	5
20	0.00	1.1	0.	2	1	12	7	6
200	0.00	0.	0.3	2	1	1	8	6
203.	3.	0.0	0.3	0	0	1	8	6
230	2.3	1.02	0.	1	1	1	9	6
2.0	1.0	0.	1.23	1	1	1	10	6

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PROJECT NO 22000	Y ST 3	COUNTY MILAUEE	EARTOR DATA	SEET 432	E

FILE NAME Y2XX21DP20.ST3.MIL.LOOMIS.ST100CADDS220000SEETSPLAN00101E.D
LAYOUT NAME 01
PLOT DATE 22023 1 PM PLOT Y NICOLAS ECER PLOT NAME PLOT SCALE 1 1
ISDOTCADDS SEET

NE SIDEAL STA 222122330

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
22212	0.00	0.02	.1	0	0	0	0	0
22210	2.00	0.00	1.0	0	3	0	4	-4
222200	0.00	0.03	1.	0	3	0	8	-8
22220	0.00	0.0	.11	0	6	0	1	1
222300	0.00	0.	0.01	0	5	0	22	22
22230	0.00	0.0	0.31	0	0	0	22	22
22200	0.00	0.02	1.1	0	1	0	23	23
2220	0.00	0.13	.	0	7	0	33	33
22200	0.00	0.12	10.2	0	1	0	2	2
2220	0.00	0.20	.0	0	1	0	3	3
22200	0.00	0.0	.	0	1	0	2	2
2220	0.00	0.00	12.22	0	20	0	11	11
22200	0.00	0.0	13.30	0	2	0	10	10
2220	0.00	0.0	1.2	0	2	0	1	1
22200	0.00	0.01	.	0	2	0	21	21
22232.133	32.13	0.	0.00	0	6	0	22	22
2220	1.	0.0	1.30	0	0	0	22	22
22200	0.00	0.33	10.3	0	11	0	21	21
2220	0.00	0.0	11.	1	21	1	2	2
223000	0.00	1.1	.	2	1	3	21	2
22300	0.00	.2	.3	5	12	8	30	2
223100	0.00	11.0	.3	1	9	22	31	2
22310	0.00	0.00	0.3	10	0	32	3	3
223200	0.00	0.11	0.3	0	56	32	469	3
22320	0.00	0.00	3.	0	4	32	475	3
223300	0.00	1.12	2.3	1	6	33	2	-449
22330	0.00	1.3	.3	3	6	3	0	-454
22300	0.00	3.	1.3	5	5	1	497	-456
2230	0.00	.3	0.3	8	2	49	499	0
22300	0.00	.	0.31	10	1	59	01	2
2230	0.00	3.2	0.2	9	1	68	02	3
22300	0.00	0.31	0.0	3	0	1	02	31
2230	0.00	0.31	0.00	1	0	2	02	30
220	1000.00	0.00	1.	6	31	78	2	-464
2200	0.00	0.2	0.0	0	2	78	545	-467
220	0.00	1.0	0.0	1	0	79	545	-466
2200	0.00	0.	0.0	1	0	0	545	-465
220	0.00	1.02	0.0	1	0	1	545	-464
2200	0.00	1.3	0.02	2	0	3	545	2
220	0.00	0.12	0.20	1	0	84	545	1
22000	0.00	0.00	0.2	0	1	84	546	2
2200	0.00	0.01	0.	0	1	84	547	3
22100	0.00	0.	0.0	1	1	85	549	-464
2220	10.00	0.00	2.	2	3	87	657	0
22300	0.00	1.	2.	2	2	89	2	3
2230	0.00	0.	3.	3	57	2	798	0
2200	0.00	0.	3.11	1	65	3	3	0
220	0.00	0.0	2.	1	58	94	958	-864
2200	0.00	0.21	1.0	1	3	95	101	1
220	0.00	0.02	.10	0	21	95	101	-946
2200	0.00	0.1	3.	0	7	95	100	-955
2232.	32.0	0.	0.1	0	2	95	103	-958
220	1.20	0.00	1.1	0	0	95	103	-958
2200	0.00	0.00	1.3	0	2	95	10	1
220	0.00	0.0	0.	0	2	95	10	3
2200	0.00	0.2	0.0	0	1	95	100	-965
220	0.00	0.00	0.31	0	0	95	100	-965
2200	0.00	0.0	0.1	0	0	95	100	-965

NOTES	
1 CUT	CUT INCLUDES SALVAEDUNUSALE PAVEMENT MATERIAL
2 FILL	DOES NOT INCLUDE UNUSALE PAVEMENT EXC VOLUME
3 MASS ORDINATE	CUT SALVAED PAVT (FILL FILL FACTOR)

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PROJECT NO 22000	Y ST 3	COUNTY MILAUEE	EARTOR DATA	SEET 433 E

FILE NAME Y2XX21DP20.ST3.MIL.LOOMIS.ST100CADDS220000SEETSPLAN00101E.D
LAYOUT NAME 02

PLOT DATE 22023 1 PM PLOT Y NICOLAS ECER PLOT NAME PLOT SCALE 1 1

ISDOTCADDS SEET

220	0.00	0.	0.00	1	0	96	100	-964
22000	0.00	0.30	0.0	1	0	97	100	3
2200	0.00	0.0	0.	0	0	97	100	3
22100	0.00	0.02	0.2	0	1	97	101	-964
2210	0.00	0.0	0.00	0	0	97	101	-964
22200	0.00	1.0	0.00	2	0	99	101	2
2220	0.00	1.1	0.00	3	0	102	101	-959
22300	0.00	0.00	0.23	1	0	103	101	-958
2230	0.00	0.13	0.13	0	0	103	101	-958
2200	0.00	0.00	0.	0	1	103	102	-959
22.	.	0.00	1.00	0	2	103	10	2
221.	.00	0.0	1.1	0	3	103	10	-966
220	30.13	0.0	0.00	0	1	103	100	-967
2200	0.00	0.02	0.1	0	1	103	101	-968
220	0.00	0.00	1.0	0	2	103	10	1
2200	0.00	0.1	0.21	0	1	103	10	2
220	0.00	0.0	0.	0	1	103	10	3
2200	0.00	0.00	0.	0	1	103	10	-975
220	0.00	0.11	0.	0	1	103	10	-976
2200	0.00	2.0	0.3	2	1	10	100	-975
223.1	3.2	0.00	1.0	1	11	10	10	-989
2200	111.	0.	0.	1	32	10	113	102
22100	0.00	0.2	10.	1	10	10	11	101
2210	0.00	0.00	1.	0	2	10	11	10
22200	0.00	0.30	10.21	0	2	10	1222	111
2220	0.00	0.00	3.00	0	12	10	123	1130
22300	0.00	0.0	0.02	0	3	10	122	113
2230	0.00	0.00	0.0	0	0	10	122	113
2200	0.00	0.00	1.0	0	2	10	12	113
220	0.00	0.00	1.1	0	2	10	12	113
2200	0.00	0.00	0.3	0	2	10	12	111
220	0.00	0.02	0.23	0	1	10	121	113
2200	0.00	0.00	0.0	0	1	10	122	11
220	0.00	0.00	1.0	0	2	10	12	11
2200	0.00	0.00	0.0	0	1	10	122	11
220	0.00	0.00	1.0	0	2	10	12	11
220	100.00	0.00	0.00	0	3	10	12	110
2200	0.00	0.1	.	0	5	10	12	11
220	0.00	0.0	3.3	0	9	10	12	11
2200	0.00	0.0	.2	0	11	10	121	113
220	0.00	0.32	11.23	0	1	10	131	120
22000	0.00	0.20	1.2	0	2	10	13	123
2200	0.00	0.	1.3	1	2	10	13	12
22100	0.00	0.0	2.2	0	3	10	133	132
2210	0.00	0.2	1.2	0	3	10	12	133
22200	0.00	0.	12.	1	2	110	11	10
2220	0.00	1.3	12.3	3	23	113	1	13
22300	0.00	0.3	1.	2	2	11	13	1
2230	0.00	0.	1.	1	32	11	12	10
2200	0.00	2.2	1.	3	32	11	1	1
220	0.00	3.1	1.3	6	31	12	10	12
2200	0.00	0.13	.	4	56	12	10	11
220	0.00	0.00	.2	0	10	12	11	1
2200	0.00	0.00	21.3	0	3	12	202	1
220	0.00	0.00	.	0	2	12	201	132
2200	0.00	0.00	2.0	0	11	12	20	1
220	0.00	2.	0.0	3	3	132	20	1
2200	0.00	1.	0.23	4	0	13	20	13
220	0.00	0.0	0.3	1	1	13	200	13
2200	0.00	0.00	2.	0	3	13	20	1
220	0.00	0.00	0.	0	3	13	20	11
22000	0.00	1.02	0.1	1	1	13	20	11
2200	0.00	0.0	0.00	2	0	10	20	1
22100	0.00	0.1	0.0	1	0	11	20	1
2210	0.00	0.0	2.1	0	2	11	202	11
22200	0.00	.3	0.1	5	3	1	20	10

2220	0.00	2.	1.3	8	1	1	211	1
22300	0.00	0.	20.30	3	3	1	21	200
2230	0.00	10.00	12.0	10	30	1	220	203
2200	0.00	1.0	0.	10	12	1	2220	203
220	0.00	0.01	0.2	1	1	1	2222	20
2200	0.00	0.12	0.3	0	1	1	2223	20
220	0.00	2.2	0.0	2	0	10	2223	203
2200	0.00	0.	0.3	3	0	13	2223	200
220	0.00	0.3	0.00	1	0	1	2223	203
2200	0.00	0.1	0.2	1	1	1	222	203
220	0.00	0.2	0.1	0	1	1	222	201
2200	0.00	1.02	0.01	1	0	1	222	200
220	0.00	0.02	0.03	1	0	1	222	203
2200	0.00	0.0	0.00	0	0	1	222	203
220	0.00	0.00	0.2	0	1	1	222	200
230000	0.00	0.02	0.0	0	1	1	222	201
23000	0.00	0.01	0.3	0	1	1	2230	203
230100	0.00	0.00	2.	0	3	1	2233	20
23010	0.00	0.3	0.1	0	3	1	223	200
230200	0.00	0.00	.	0	7	1	22	20
23020	0.00	1.	0.	2	7	1	22	20
230300	0.00	1.1	0.1	3	1	12	22	20
23030	0.00	2.12	0.0	4	0	1	22	201
23000	0.00	1.	0.32	4	0	200	22	20
2300	0.00	3.03	0.0	5	0	20	22	202
2302.	22.	0.01	1.	1	1	20	22	202
23000	2.33	1.03	0.00	1	1	20	22	202
2303.1	3.1	0.00	2.2	1	2	20	222	20
2300	10.2	0.3	0.0	0	1	20	223	20
23000	0.00	2.1	0.0	2	0	210	223	203
2300	0.00	1.1	.2	3	8	213	22	201
23000	0.00	3.3	0.0	4	8	21	22	20
2300	0.00	2.2	0.1	5	1	222	22	203
23000	0.00	0.1	0.	2	1	22	22	203
2300	0.00	0.2	0.1	0	1	22	22	20
2300.3	10.3	2.3	0.00	1	0	22	22	203
23000	3.2	0.1	1.	3	1	22	22	201
2300	0.00	0.	0.0	1	2	22	222	203
231000	0.00	0.2	0.1	1	0	230	222	202
23100	0.00	0.0	0.3	2	0	232	222	200
231100	0.00	0.0	0.	1	1	233	223	200
23110	0.00	0.	0.0	1	1	23	22	201
231200	0.00	0.00	0.	1	1	23	22	201
23120	0.00	0.00	.0	0	8	23	230	201
231300	0.00	0.00	31.	0	3	23	23	211
23130	0.00	0.00	2.23	0	3	23	223	21
23100	0.00	0.00	2.	0	2	23	2	2222
2310	0.00	0.10	.	0	7	23	2	2231
23100	0.00	0.2	1.	0	6	23	2	223
2310	0.00	0.31	0.	1	2	23	2	221
23100	0.00	0.0	2.	0	3	23	20	22
2310	0.00	0.00	3.0	0	5	23	2	221
23100	0.00	0.22	.2	0	8	23	2	221
2310	0.00	0.30	3.01	0	8	23	20	222
23100	0.00	0.2	.02	1	7	23	21	220
2310	0.00	0.0	.	0	11	23	231	22
23100	0.00	0.2	.1	0	1	23	21	231
2310	0.00	0.00	13.3	0	21	23	2	231
232000	0.00	0.00	12.	0	2	23	20	232
23200	0.00	2.12	12.	2	23	23	23	200
232100	0.00	0.00	0.	2	49	21	203	22
23210	0.00	0.12	1.	0	3	21	23	212
232200	0.00	0.13	3.0	0	5	21	20	21
23220	0.00	0.03	3.	0	6	21	2	22

NE SIDEAL STA 222122330

232300	0.00	0.00	3.21	0	6	21	2	23
23230	0.00	0.13	.1	0	7	21	2	2
23200	0.00	0.00	0.3	0	4	21	20	2
2320	0.00	0.1	0.03	0	0	21	20	2
23200	0.00	0.00	1.	0	2	21	22	21
2320	0.00	0.21	0.31	0	2	21	2	2
23200	0.00	0.02	1.1	0	1	21	2	2
2320	0.00	0.1	0.2	0	2	21	2	2
23200	0.00	0.13	0.	0	1	21	200	2
2320	0.00	0.	0.20	1	1	22	202	20
23200	0.00	0.3	0.1	1	0	23	202	2
2320	0.00	0.1	11.	1	11	2	21	22
23200	0.00	0.11	.	0	1	2	21	2
2320	0.00	0.01	.2	0	12	2	2	212
233000	0.00	0.03	.	0	9	2	2	22
23300	0.00	0.1	2.1	0	8	2	2	23
233100	0.00	0.12	0.1	0	3	2	22	23
23310	0.00	0.	0.00	1	0	2	22	23
233200	0.00	0.00	0.1	1	0	2	22	23
23320	0.00	1.	0.1	1	0	2	22	23
233300	0.00	1.2	0.0	3	0	20	22	232
23330	0.00	.01	0.02	5	0	2	22	22
23300	0.00	2.0	0.	6	0	21	22	221
2330	0.00	1.21	0.3	3	1	2	23	21
23300	0.00	1.	0.1	3	1	2	2	21
2330	0.00	1.2	0.	3	1	20	2	21
23300	0.00	0.12	0.10	2	1	22	2	21
2330	0.00	0.00	0.	0	1	22	2	21
23300	0.00	3.3	0.0	3	1	2	20	21
2330	0.00	.2	2.12	8	2	23	23	210
23300	0.00	0.00	1.	5	0	2	2	20
2330	0.00	0.00	3.2	0	84	2	30	2
23300	0.00	0.1	12.	0	48	2	312	21
2330	0.00	0.03	13.0	0	2	2	310	22
23000	0.00	0.1	11.3	0	23	2	310	202
2300	0.00	0.3	.3	1	1	2	3211	222
23100	0.00	0.0	10.1	1	1	20	3231	21
2310	0.00	0.1	.	0	1	20	32	2
23200	0.00	0.1	.0	0	1	20	32	2
2320	0.00	0.12	12.	0	1	20	3302	3012
23300	0.00	0.	1.3	1	2	21	333	30
2330	0.00	0.00	.	1	21	22	332	300

9

9

PROJECT NO 22000	Y ST 3	COUNTY MILAUEE	EARTOR DATA	SEET 436 E

FILE NAME Y2XX21DP20.ST3.MIL.LOOMIS.ST100CADDS220000SEETSPLAN00101E.D
LAYOUT NAME 0

PLOT DATE 22023 1 PM PLOT Y NICOLAS ECER PLOT NAME PLOT SCALE 1 1

ISDOTCADDS SEET

BEGIN ABRUPT LT
MATCH EXISTING

140+79

141+00

WETLAND
WETLAND

141+19
POST 9

WETLAND
WETLAND

141+25

10 FT
20 FT

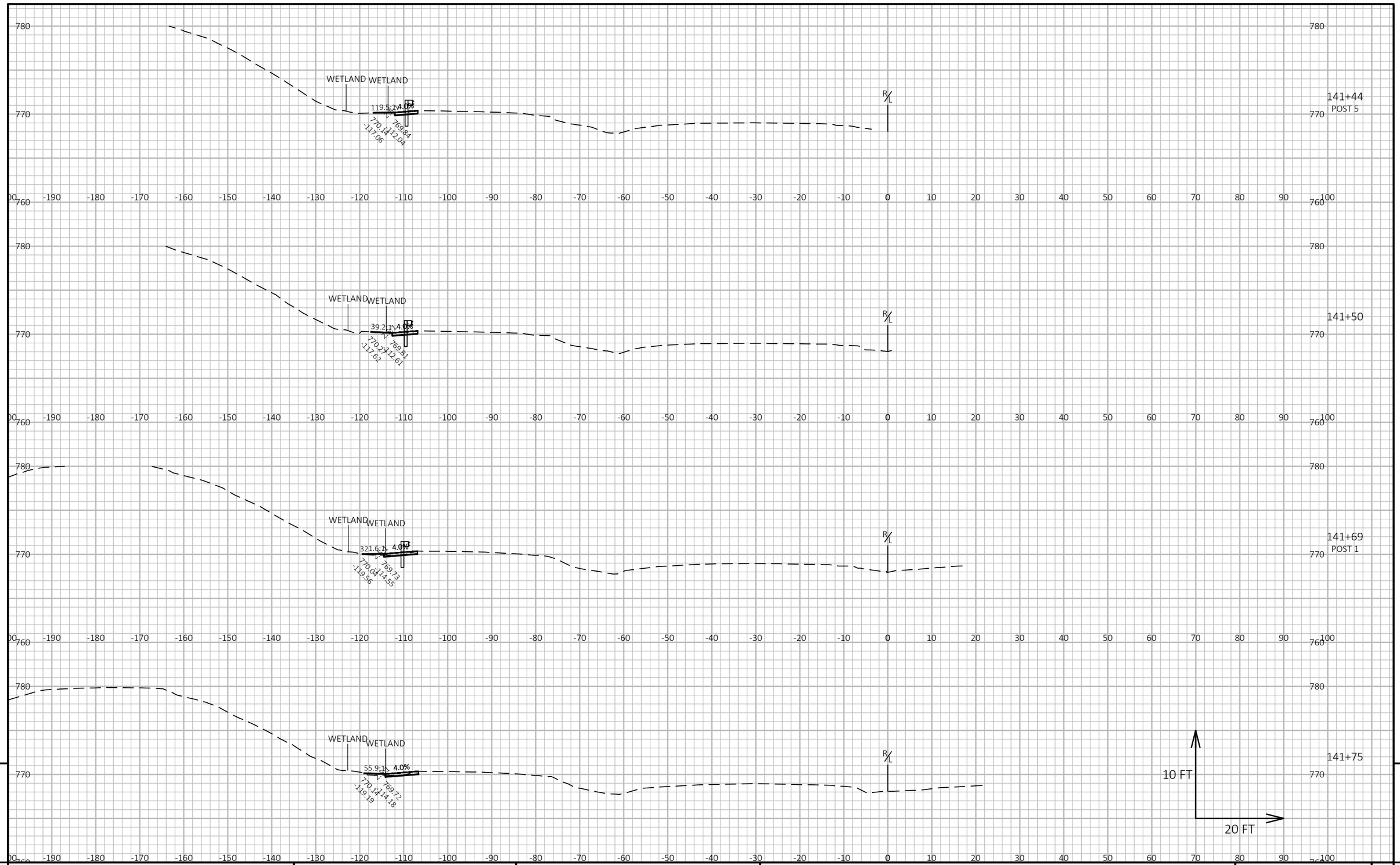
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 437	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090201

PLOT DATE : 8/30/2023 11:01 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



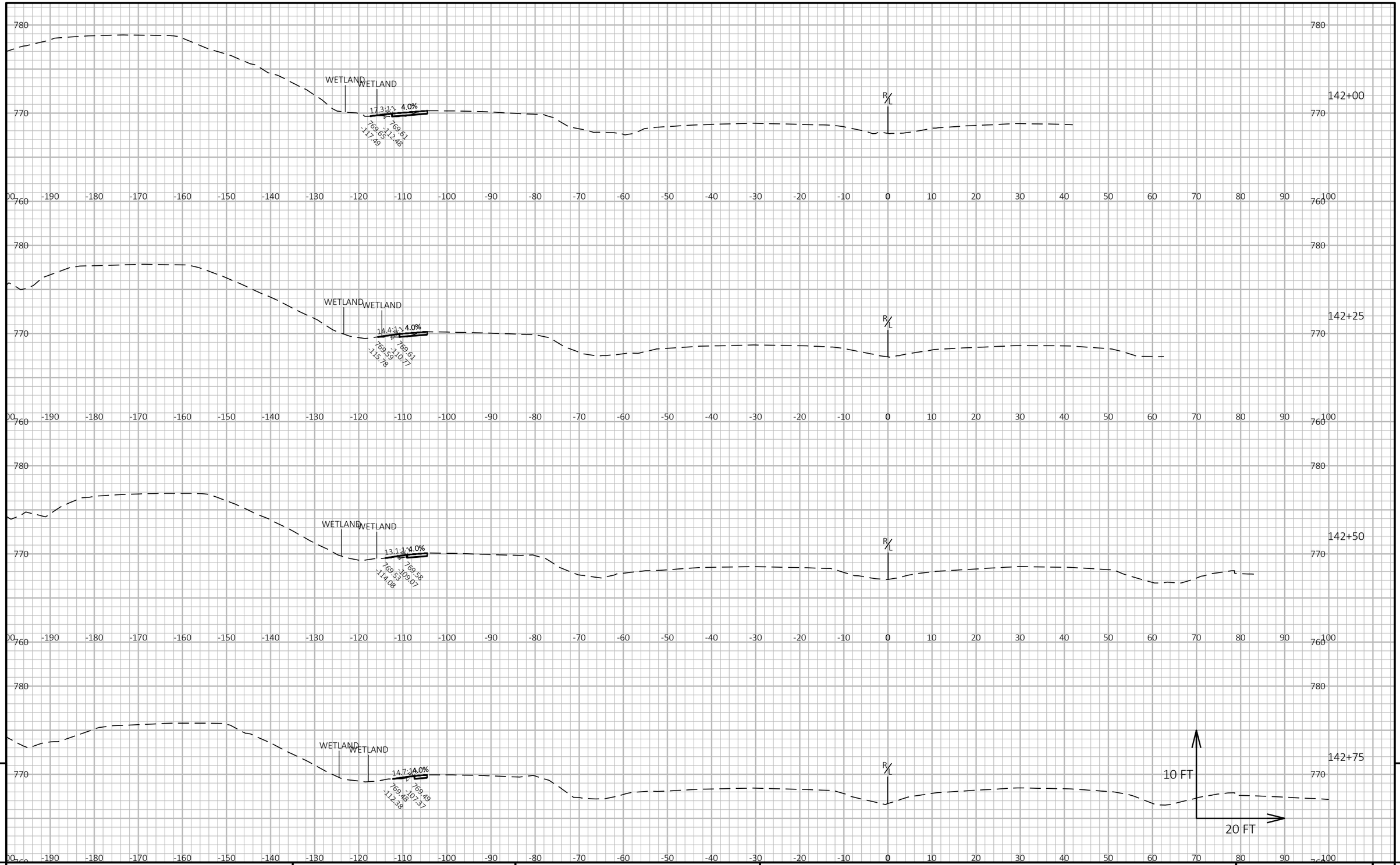
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 438	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090202

PLOT DATE : 8/30/2023 11:01 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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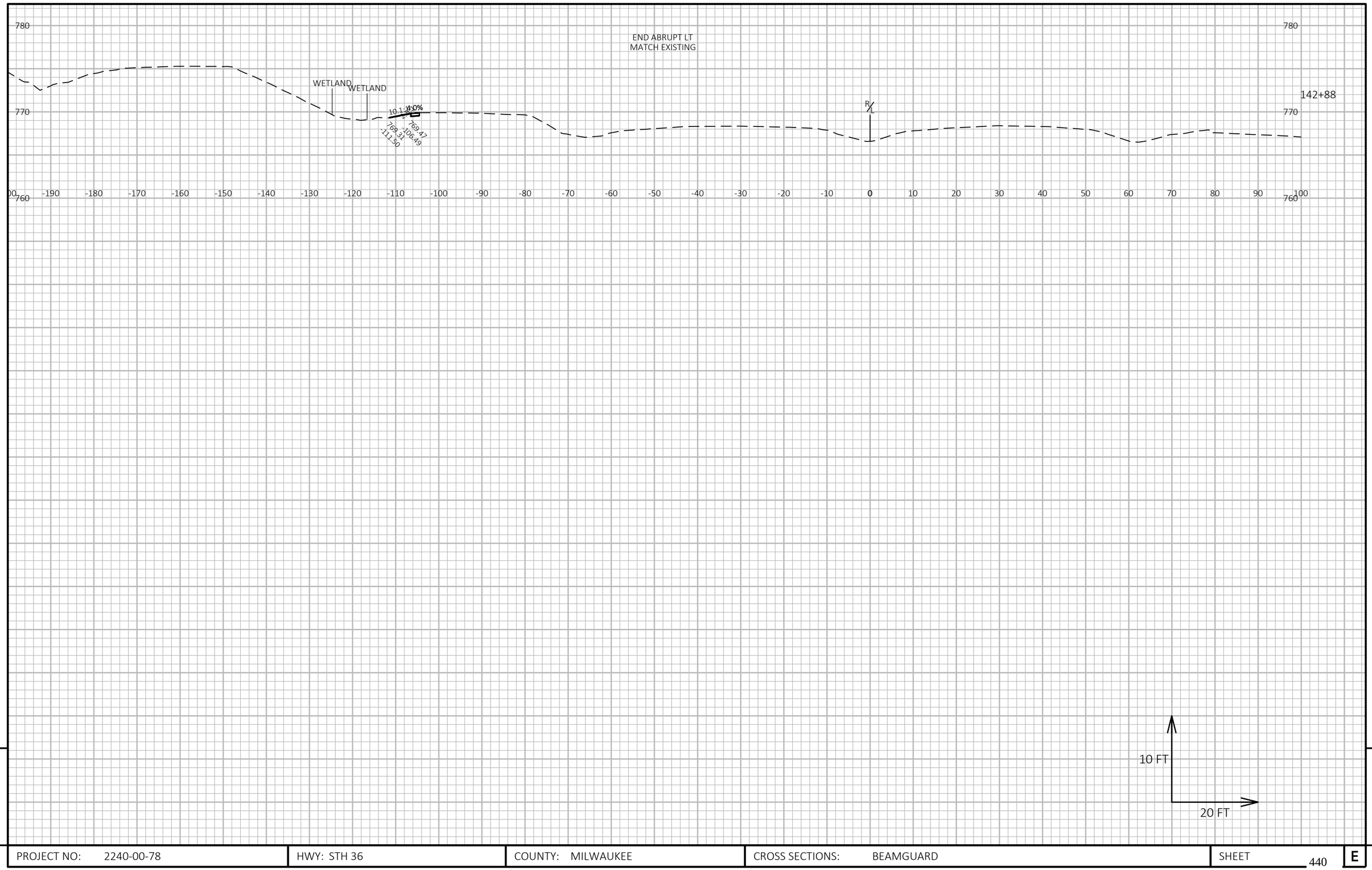
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 439	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090203

PLOT DATE : 8/30/2023 11:02 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

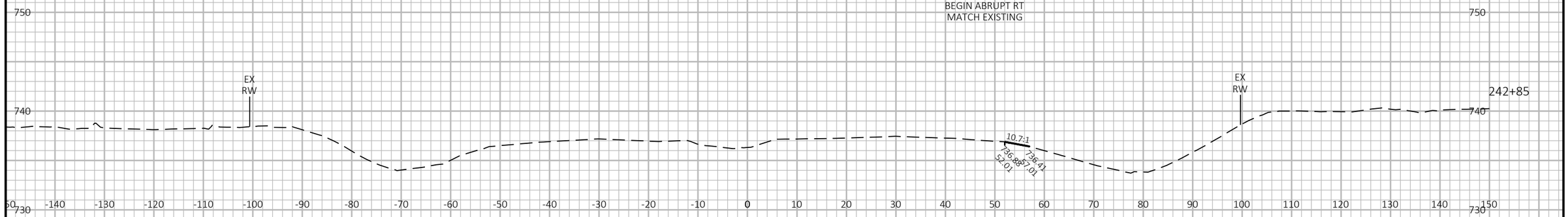


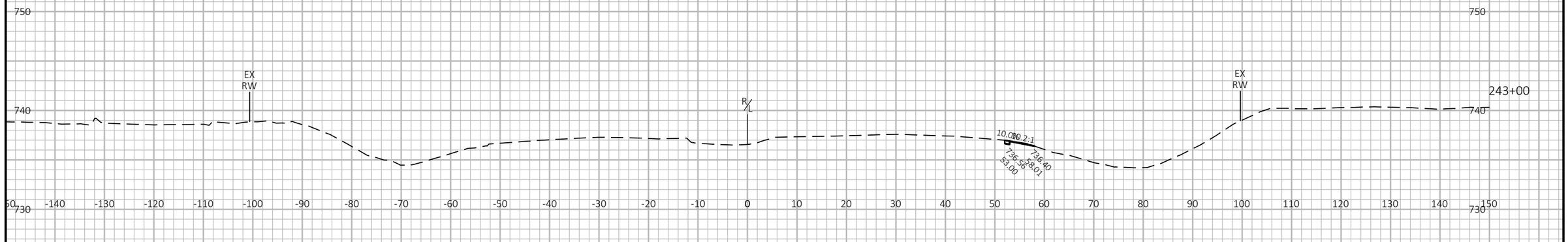
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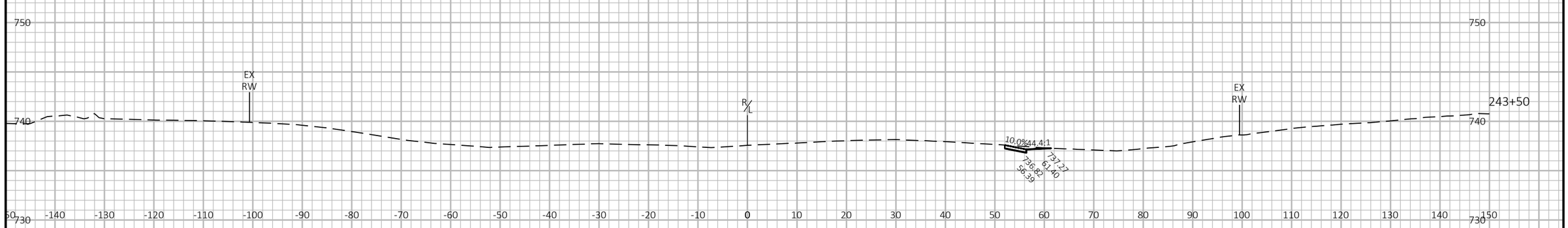
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090204

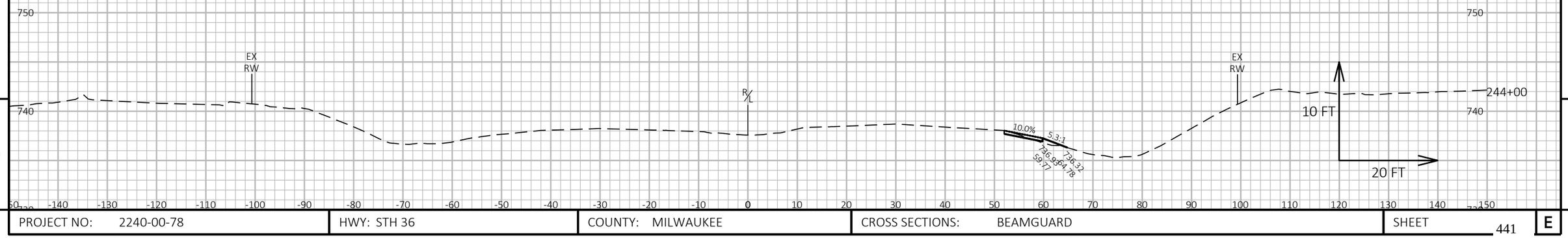
PLOT DATE : 8/30/2023 11:02 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

BEGIN ABRUPT RT
MATCH EXISTING





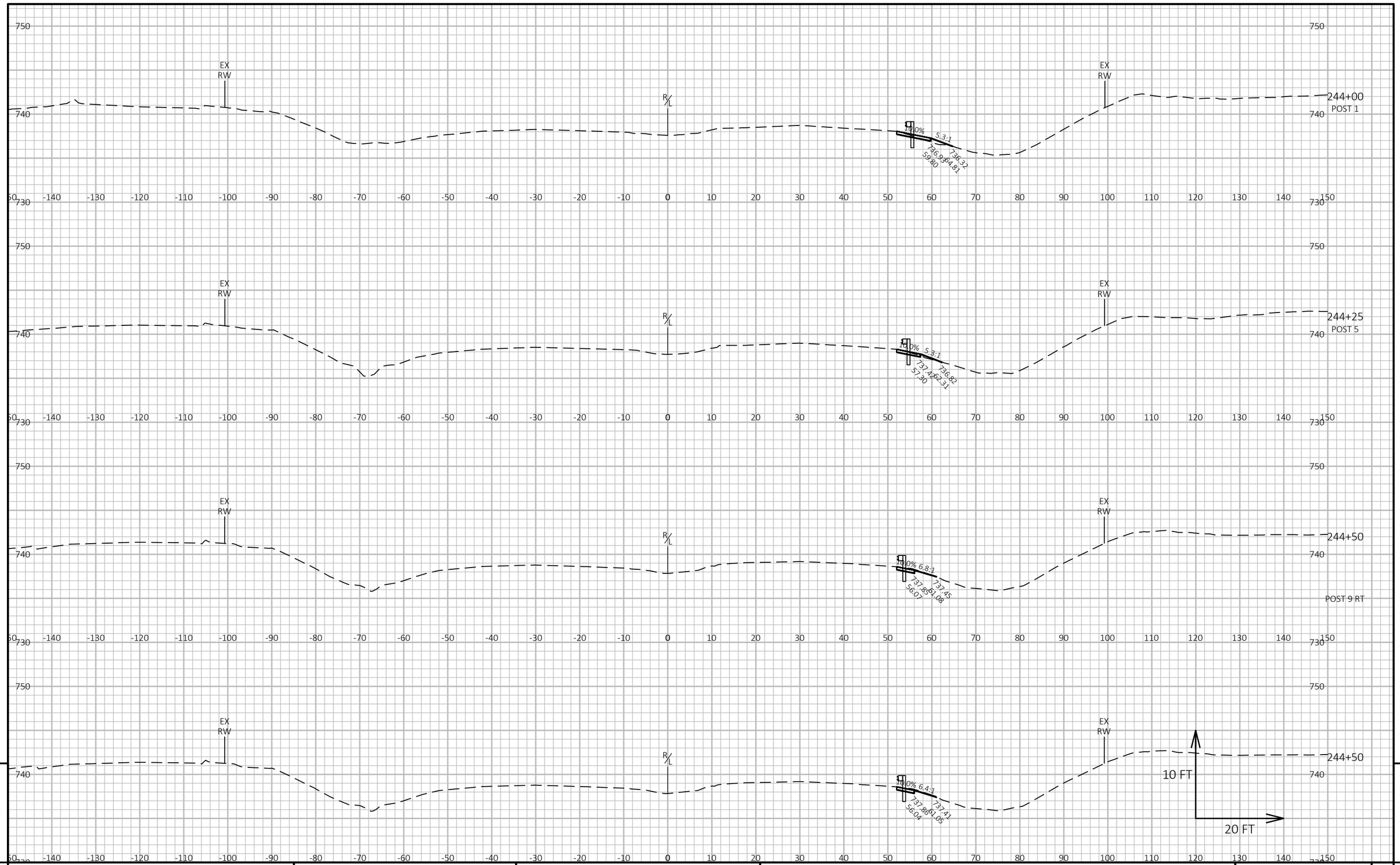




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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 441	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090205
PLOT DATE : 8/30/2023 11:02 AM
PLOT BY : NICHOLAS BECKER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



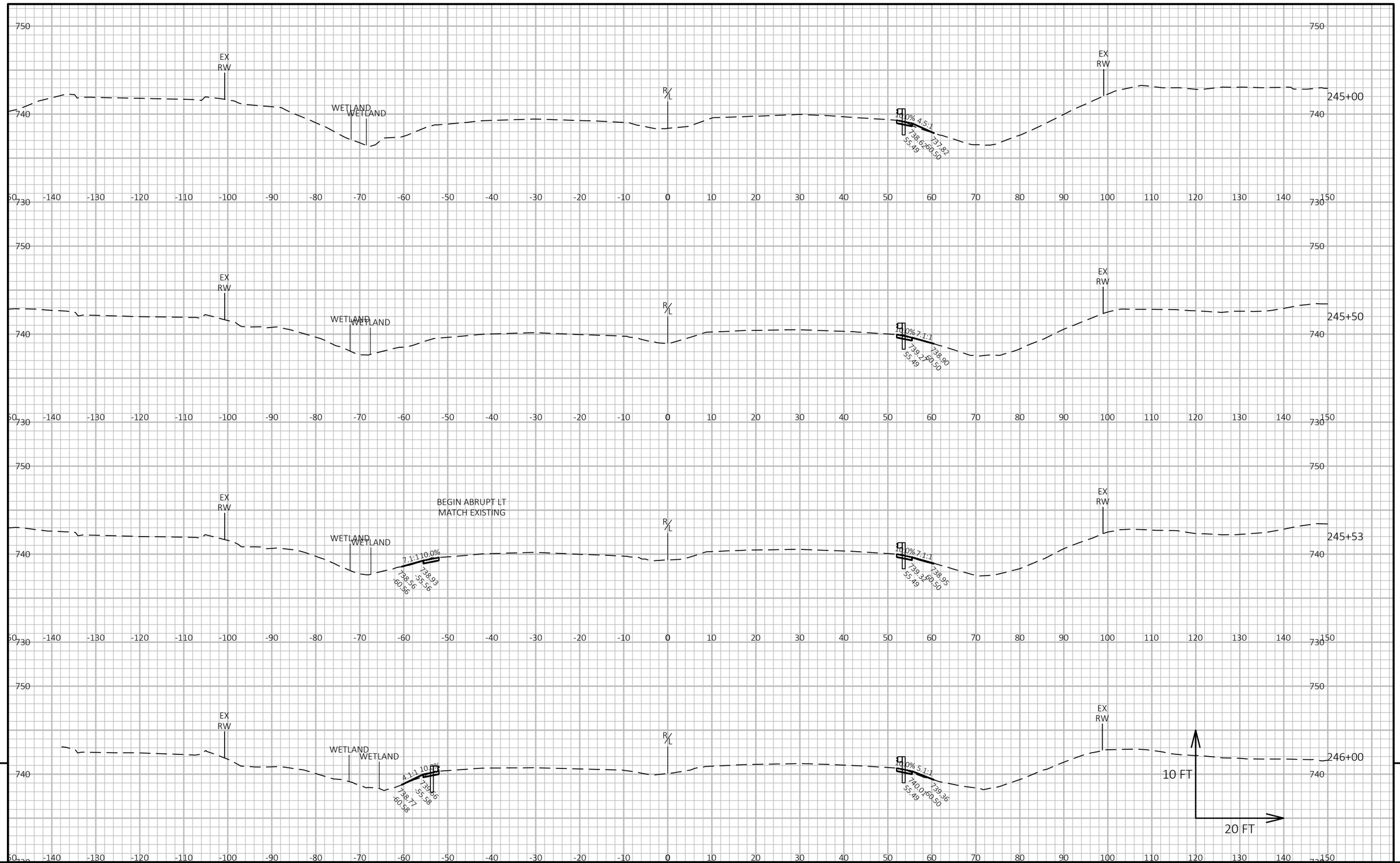
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 442	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090206

PLOT DATE : 8/30/2023 11:02 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 443	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090207

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

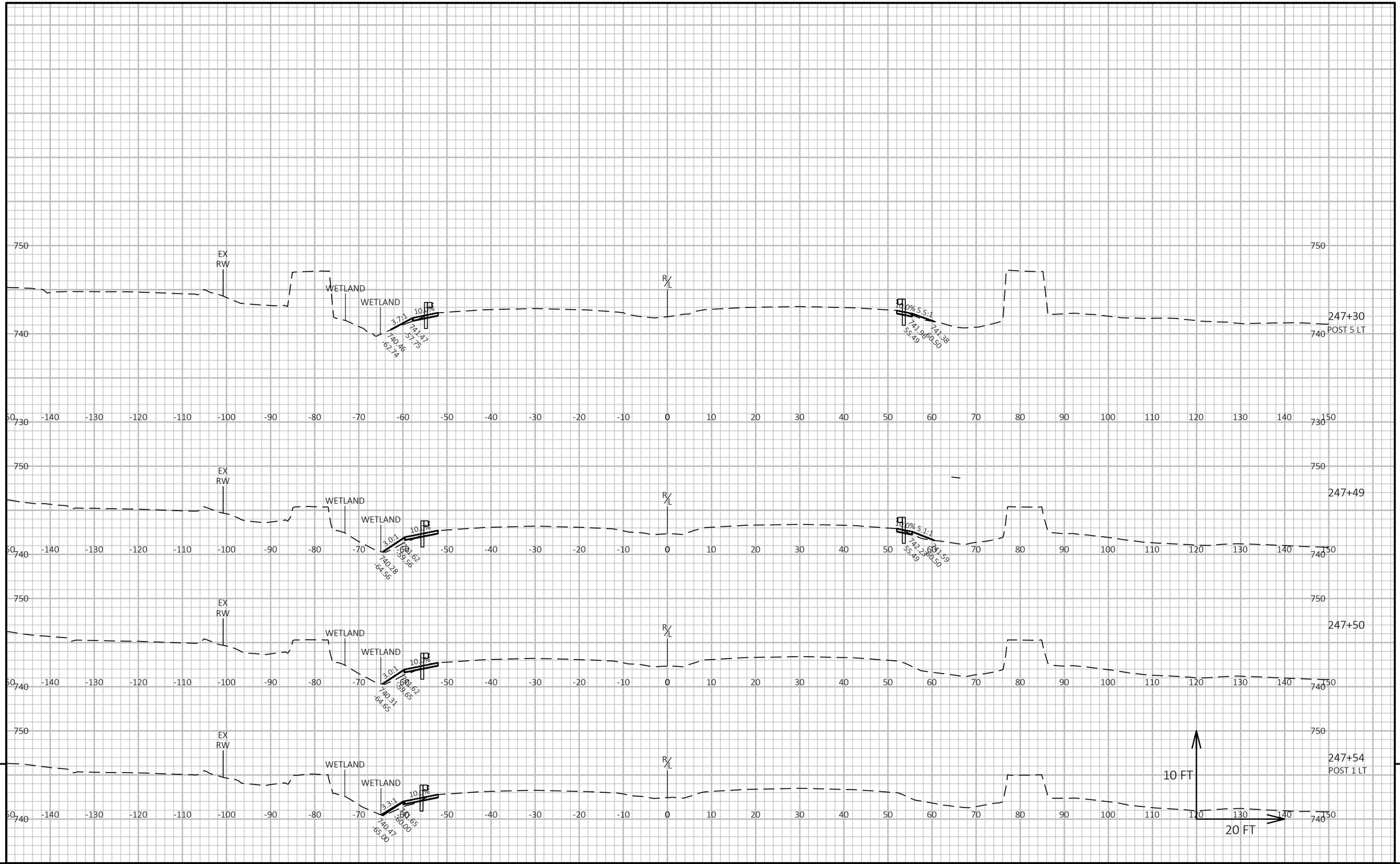
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 444	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090208

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



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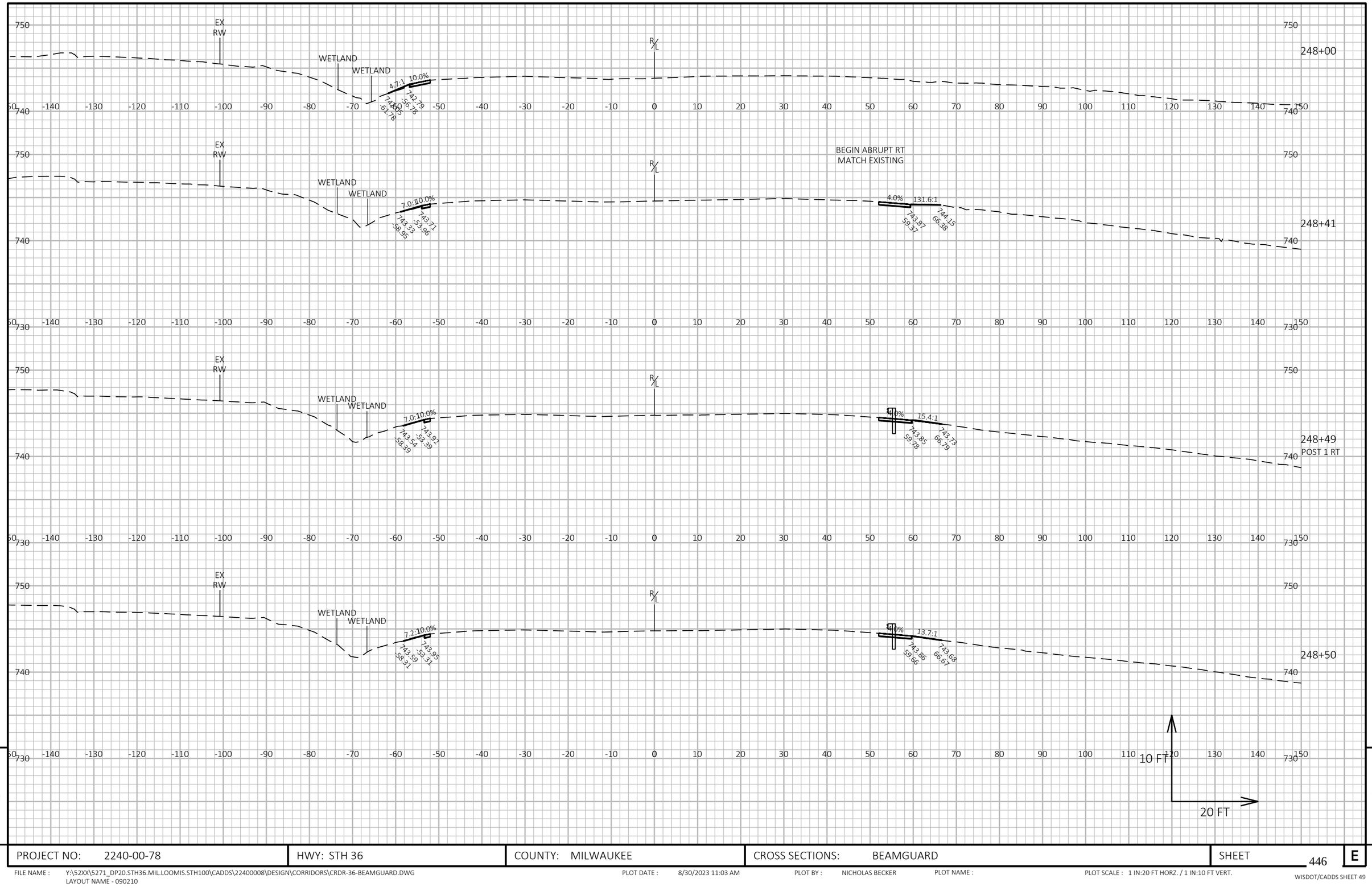
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 445	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090209

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



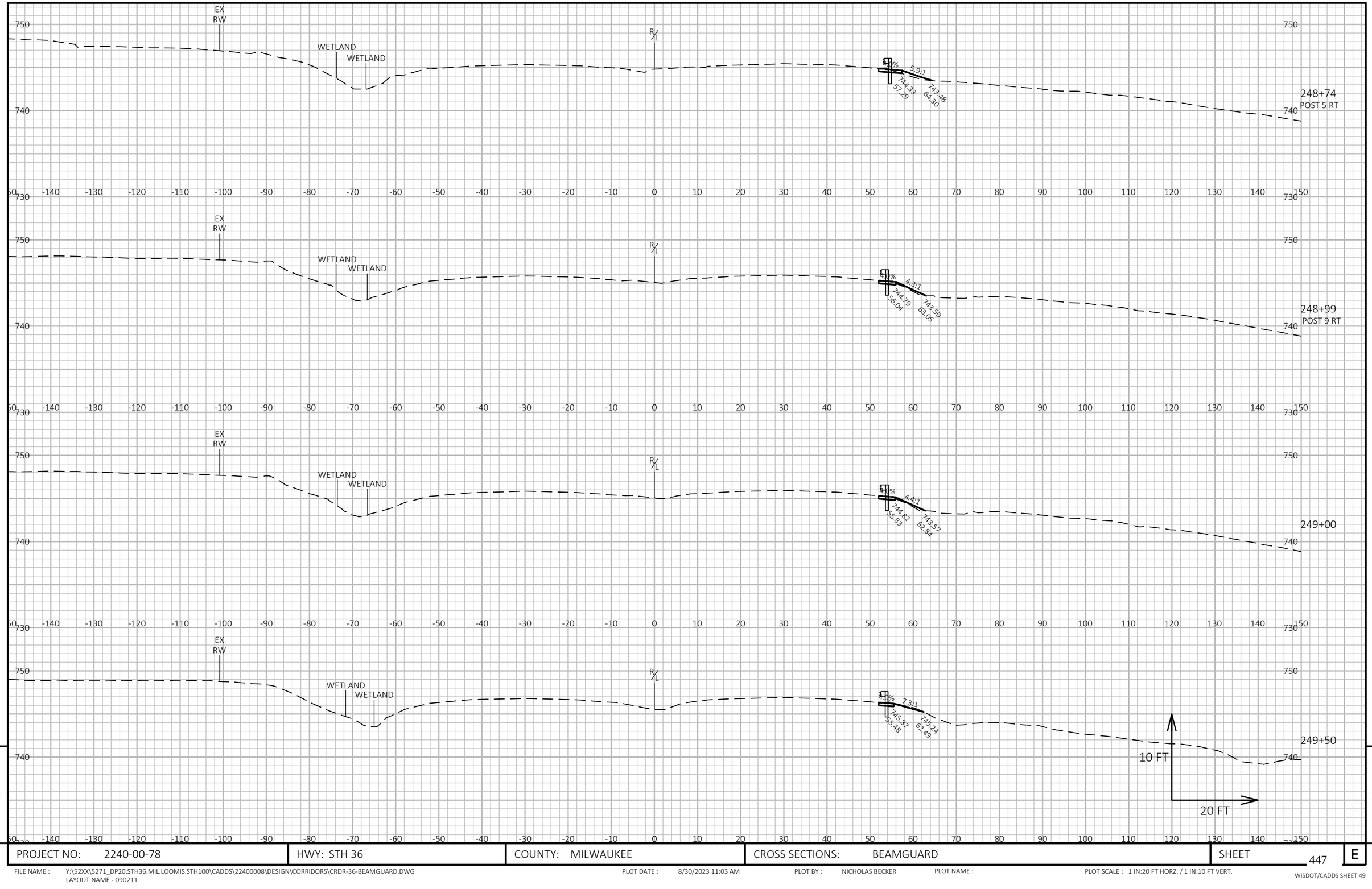
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 446 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090210

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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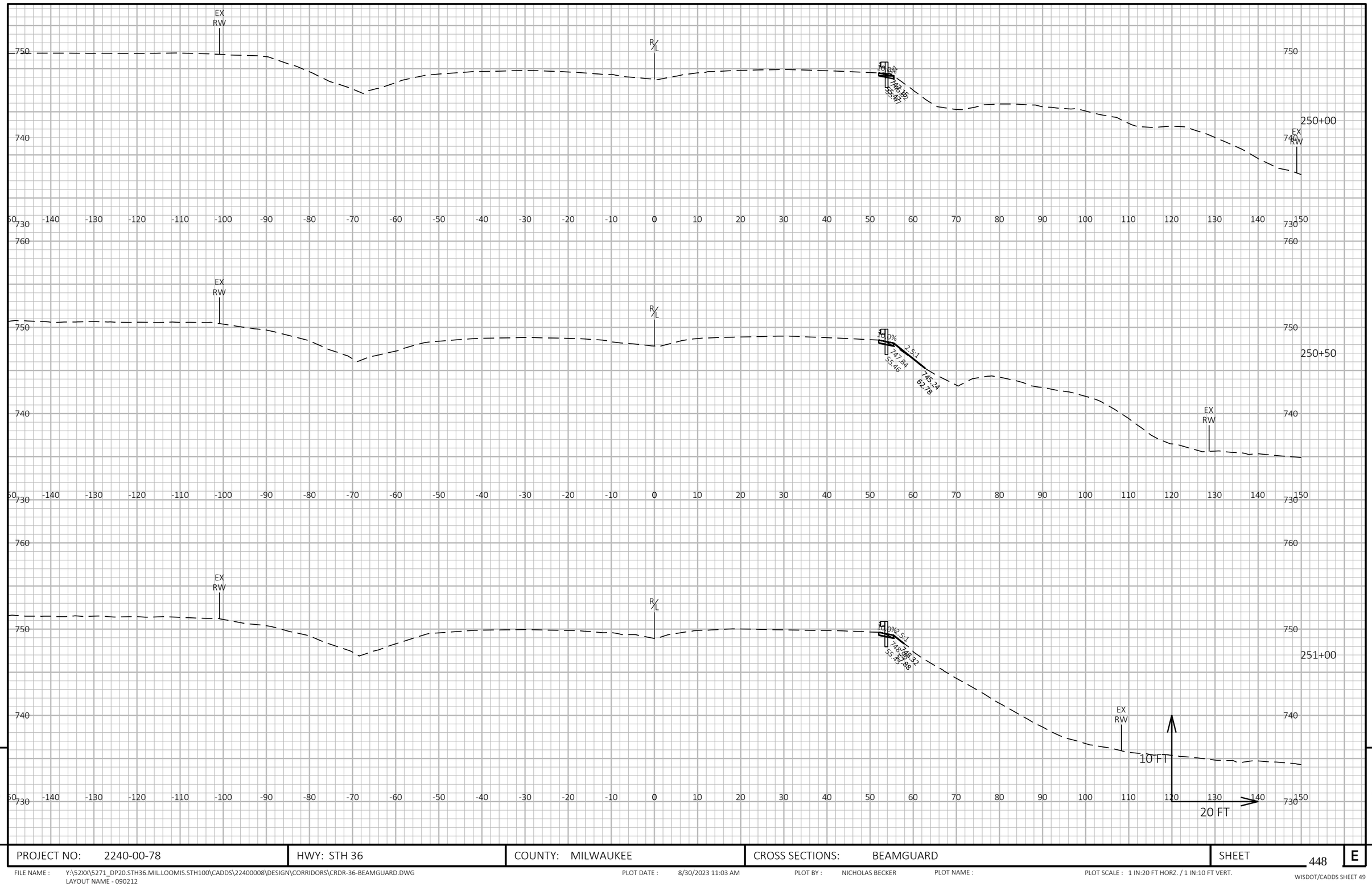
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 447	E

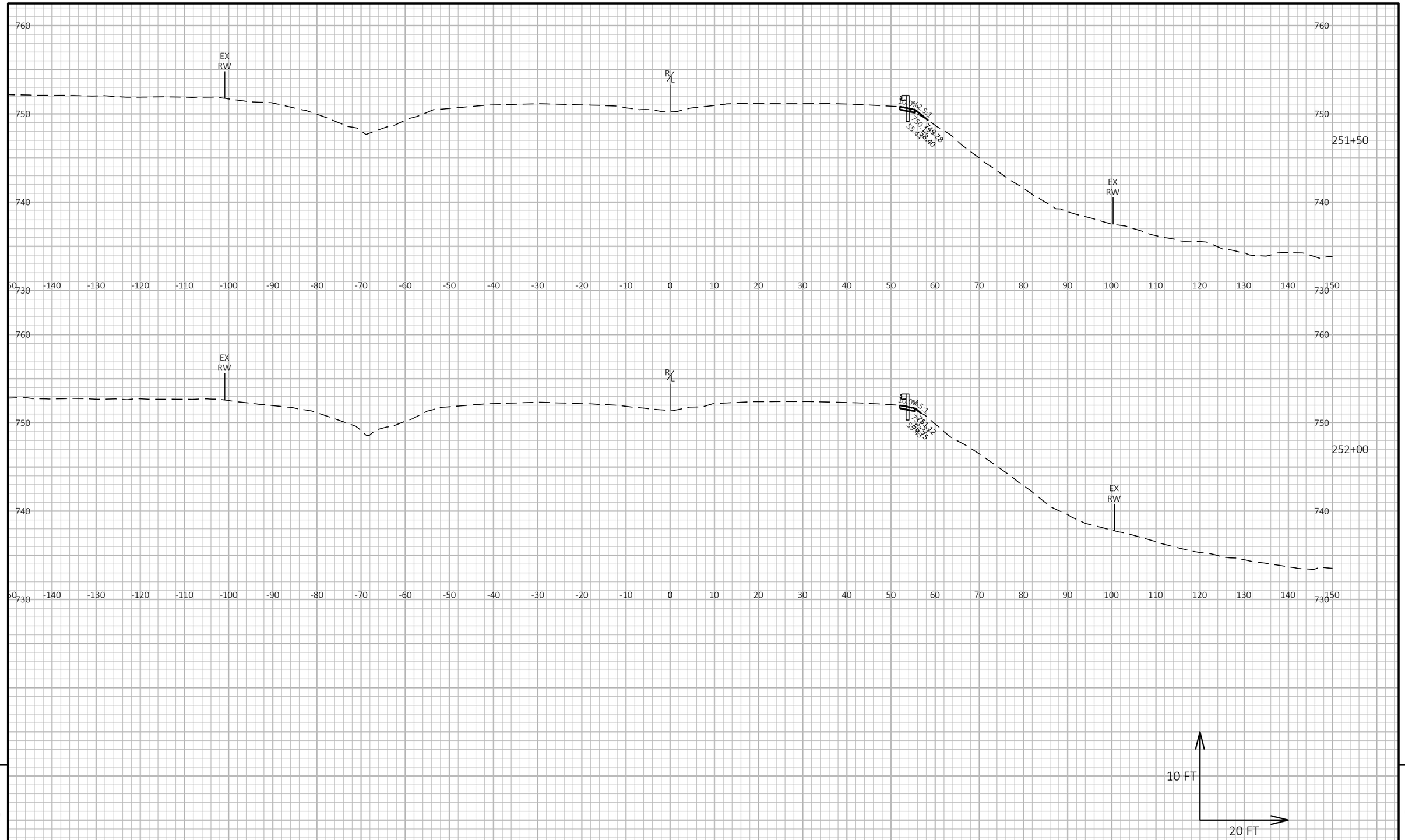
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090211

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 448	E



9

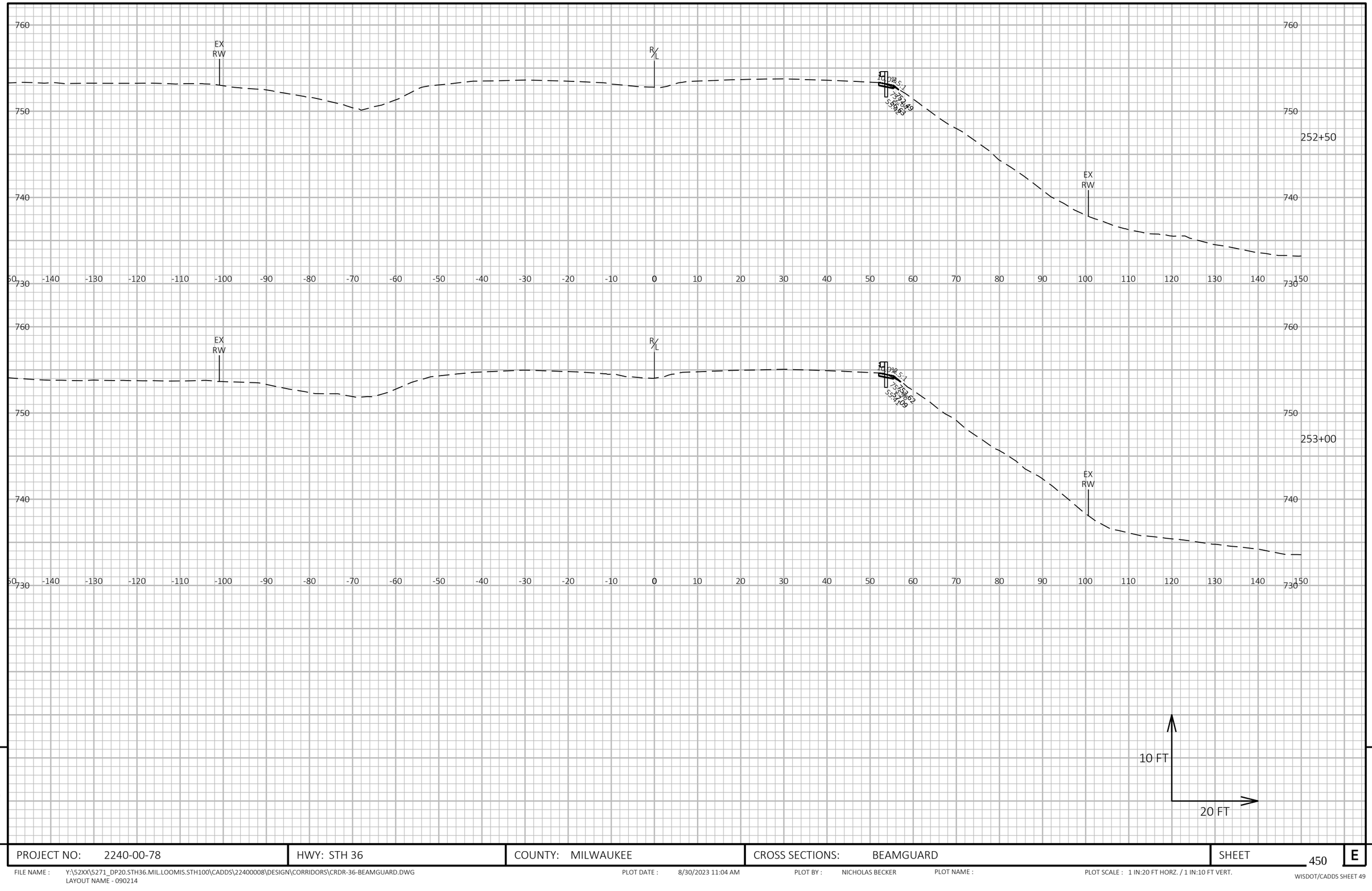
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 449	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090213

PLOT DATE : 8/30/2023 11:03 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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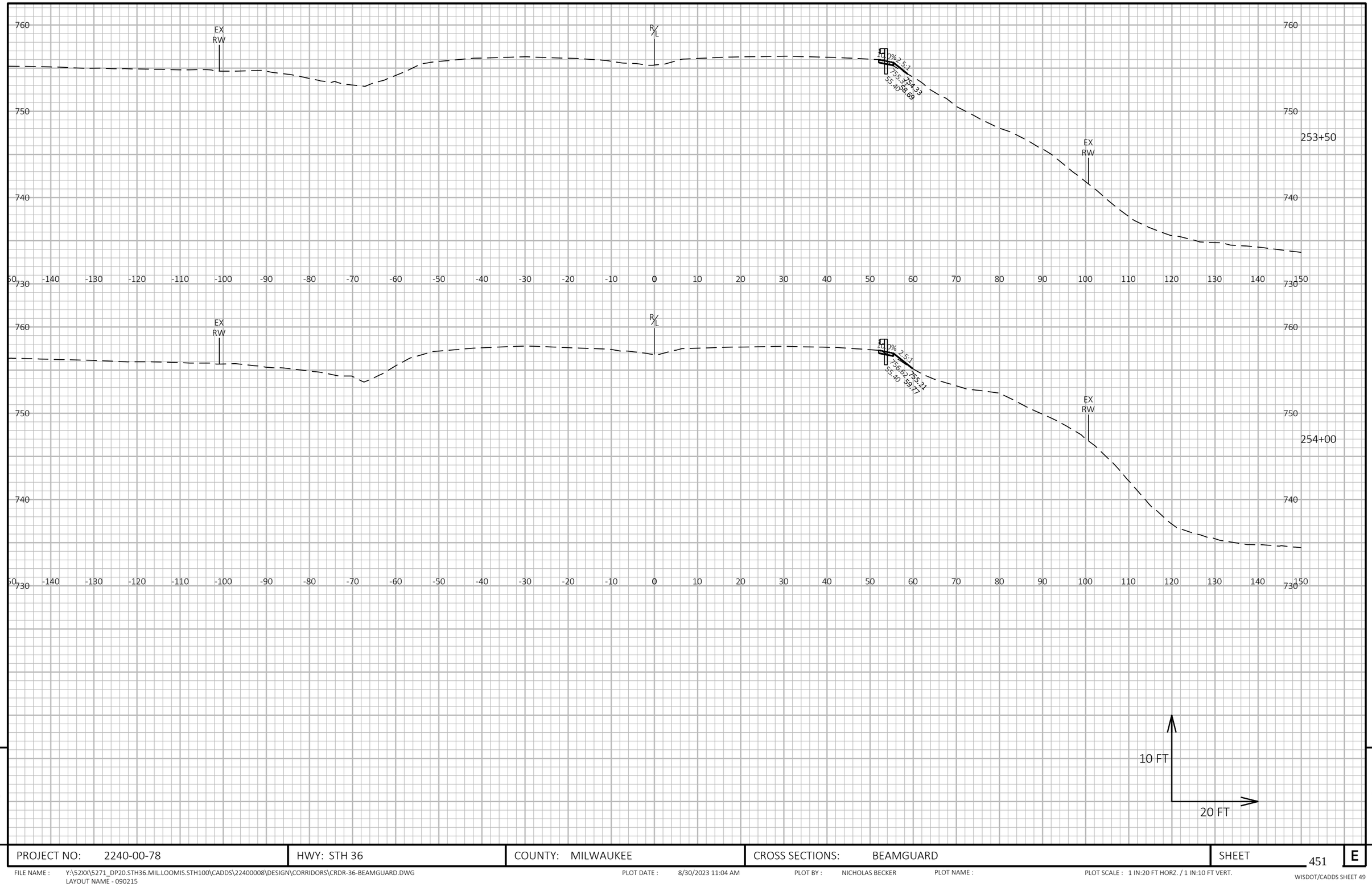
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 450	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090214

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



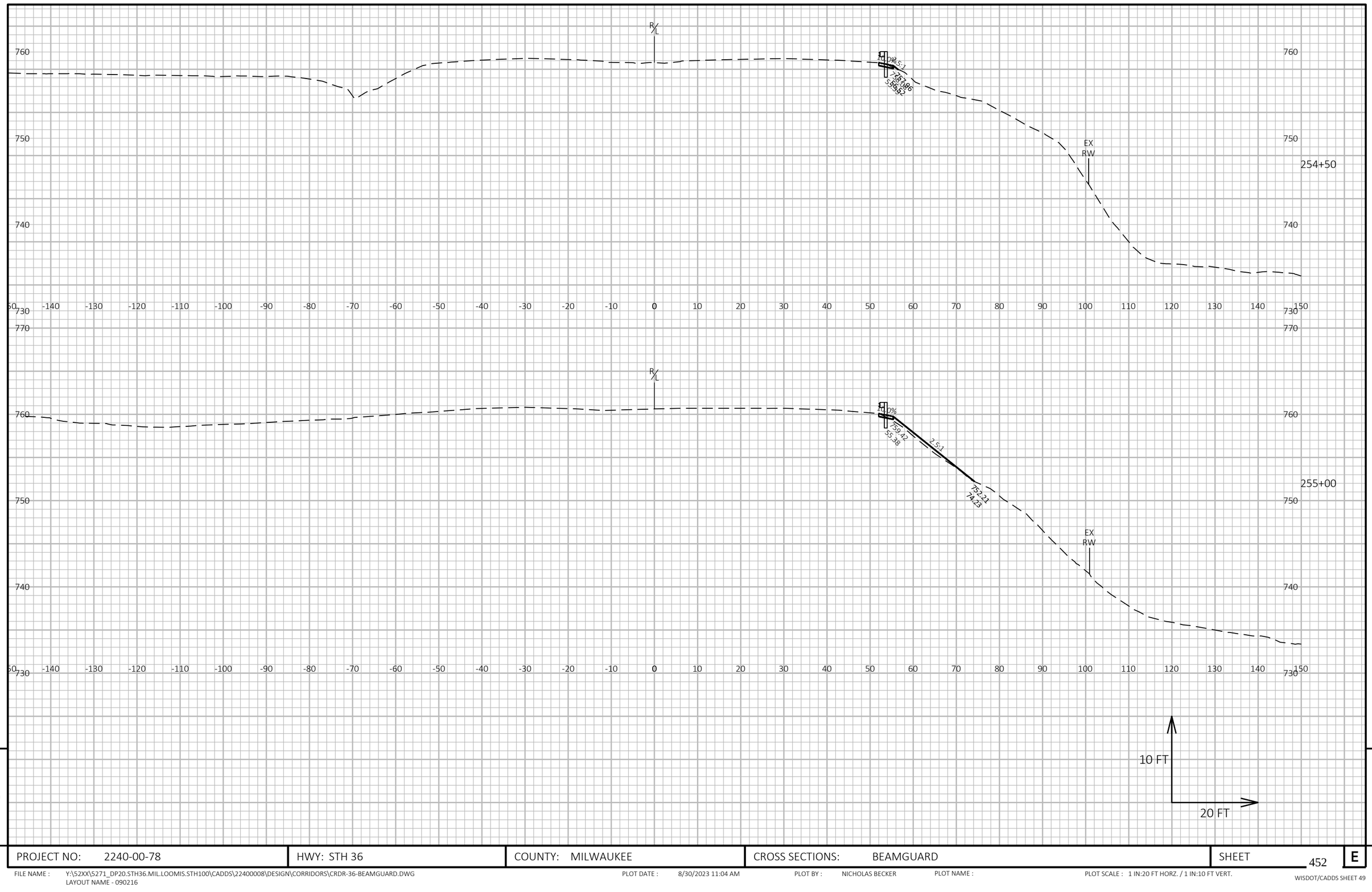
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 451	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090215

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



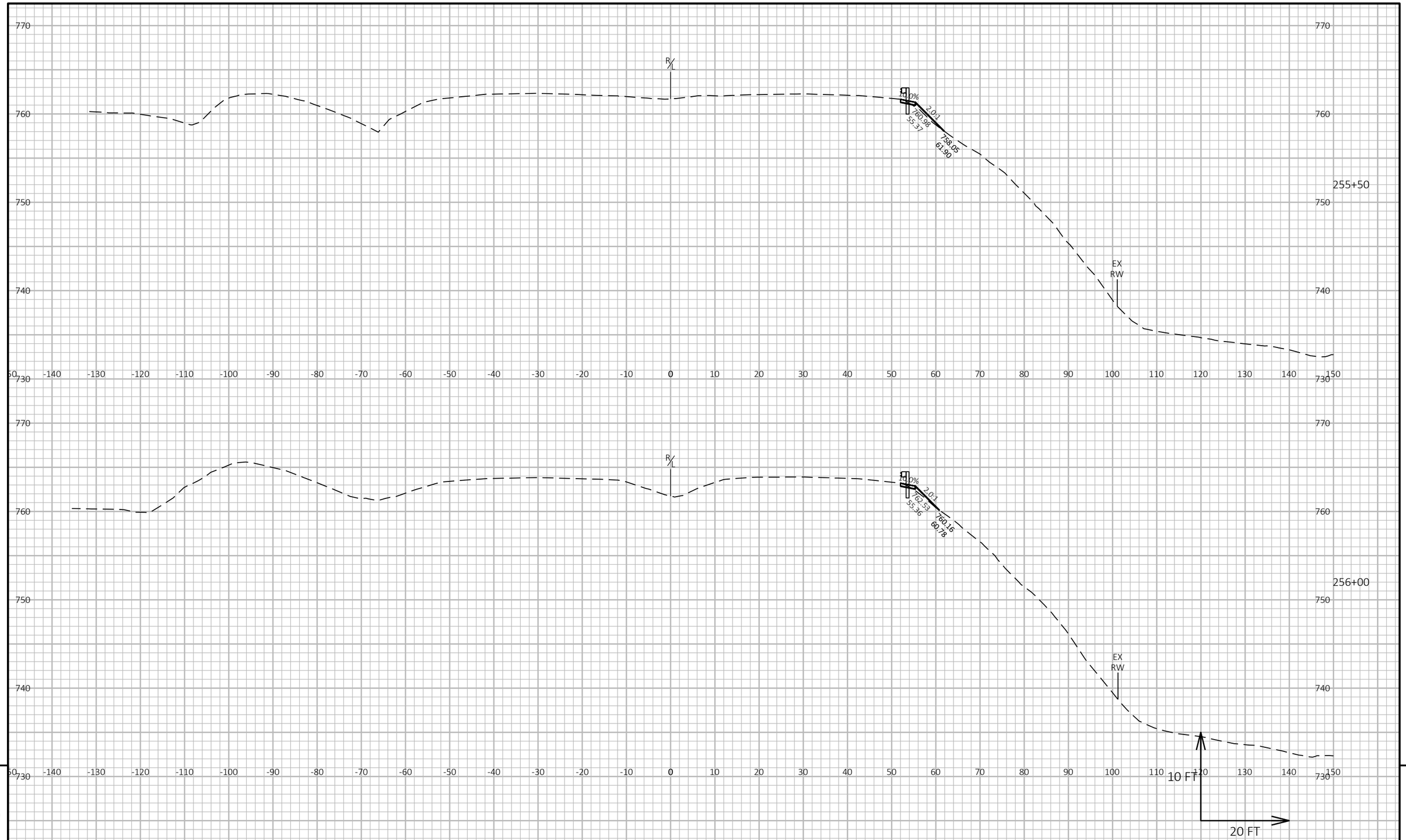
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 452	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090216

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



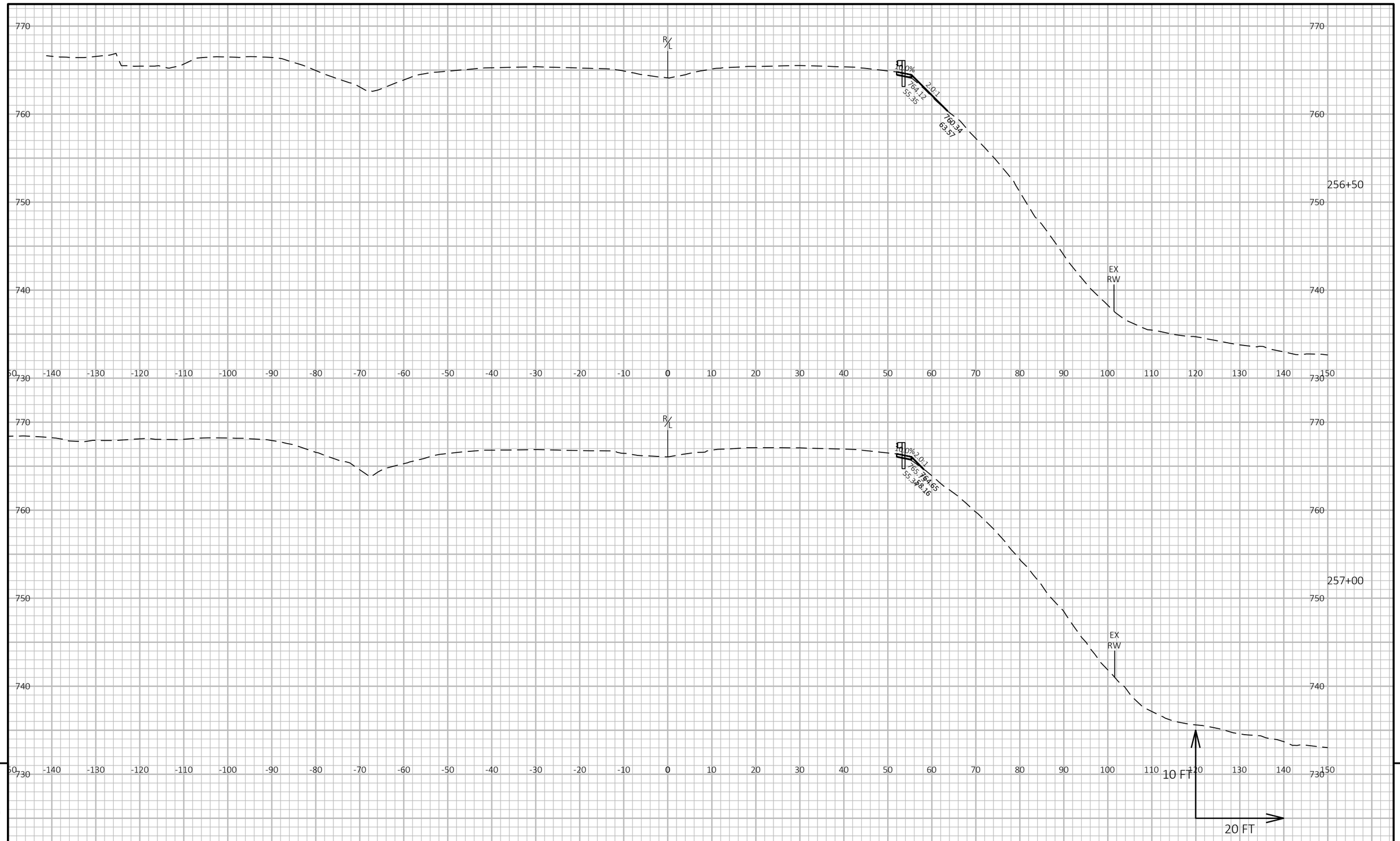
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 453	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090217

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



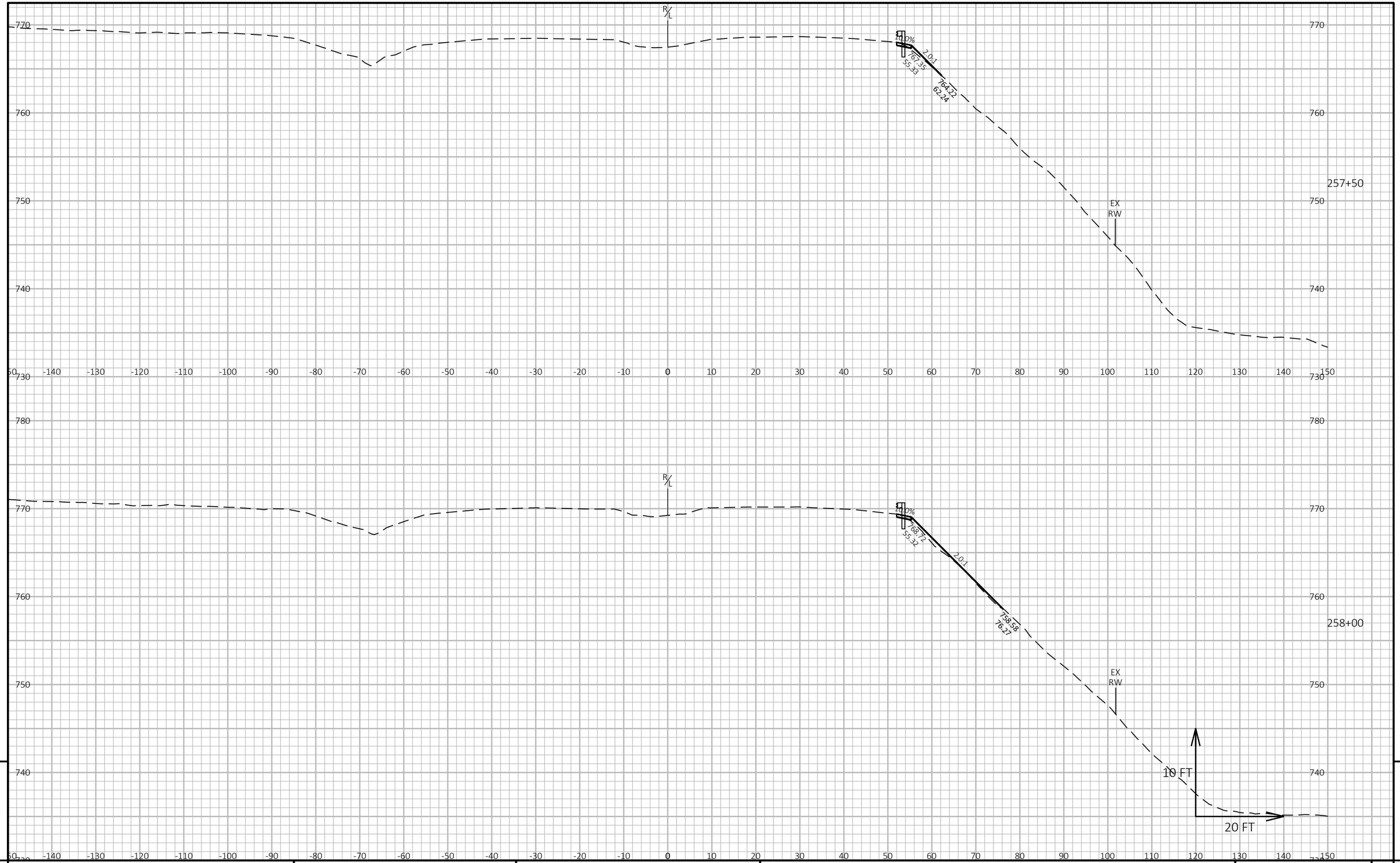
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 454	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090218

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



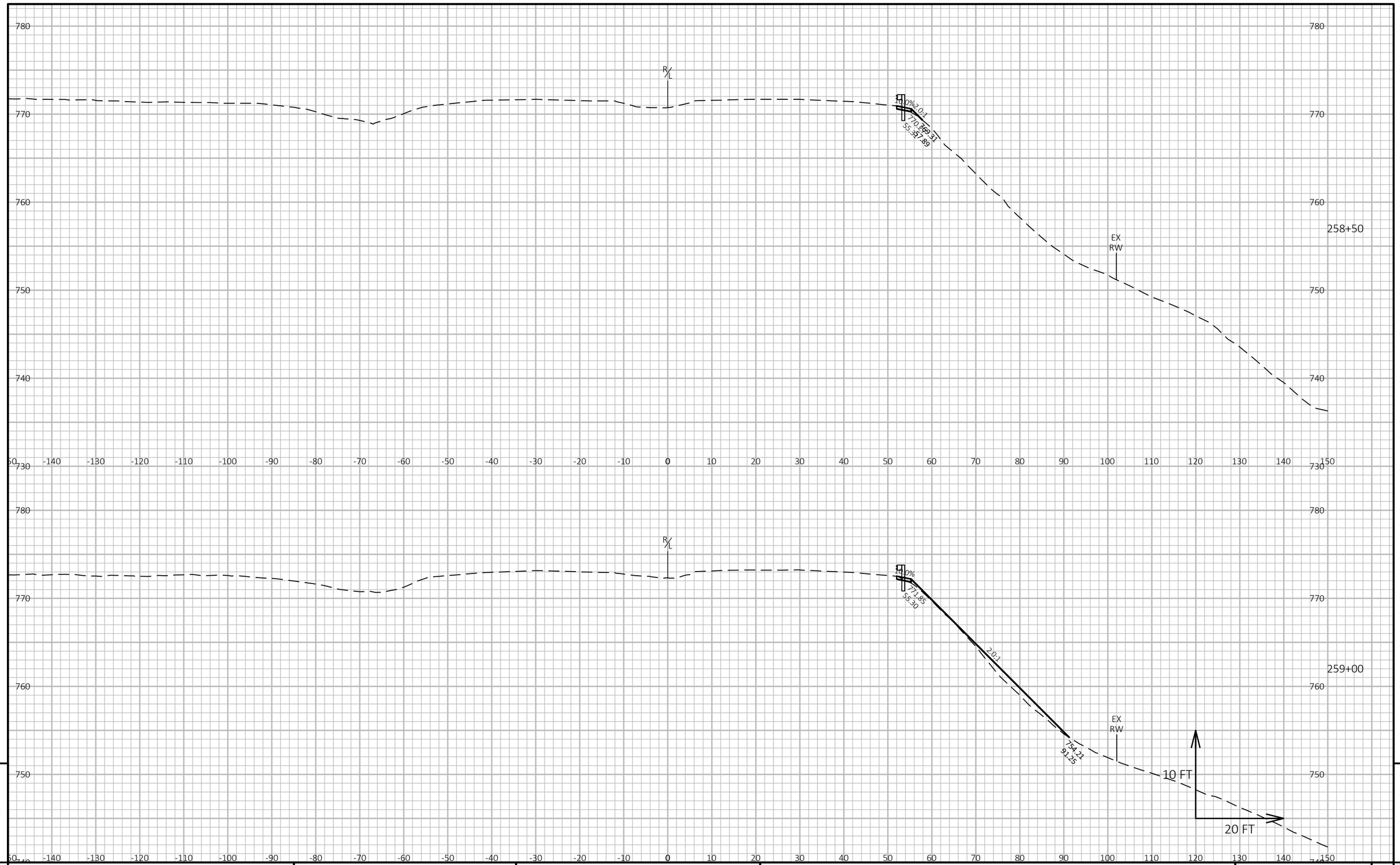
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 455	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090219

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



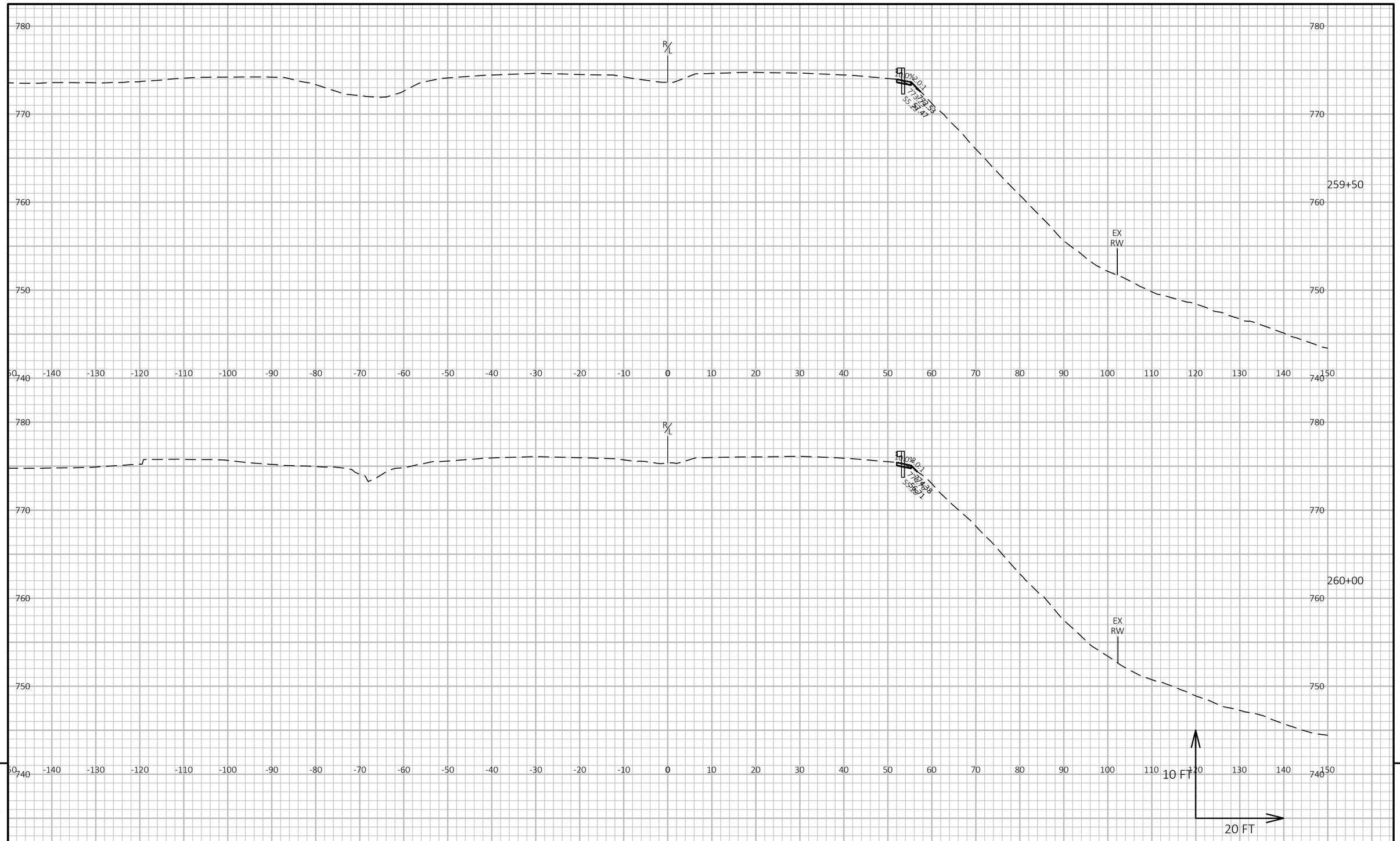
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 456	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090220

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



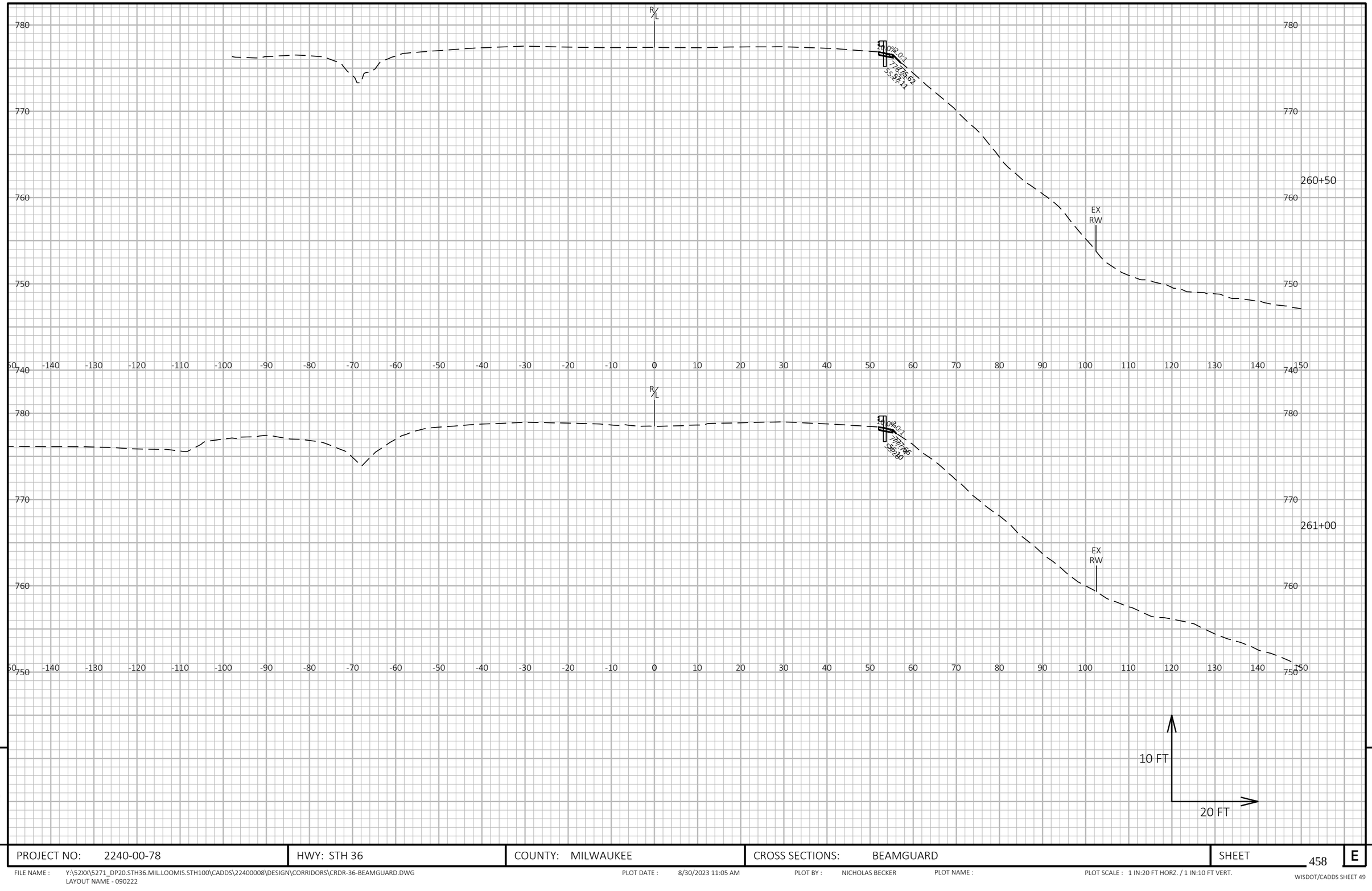
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9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 457	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090221

PLOT DATE : 8/30/2023 11:04 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



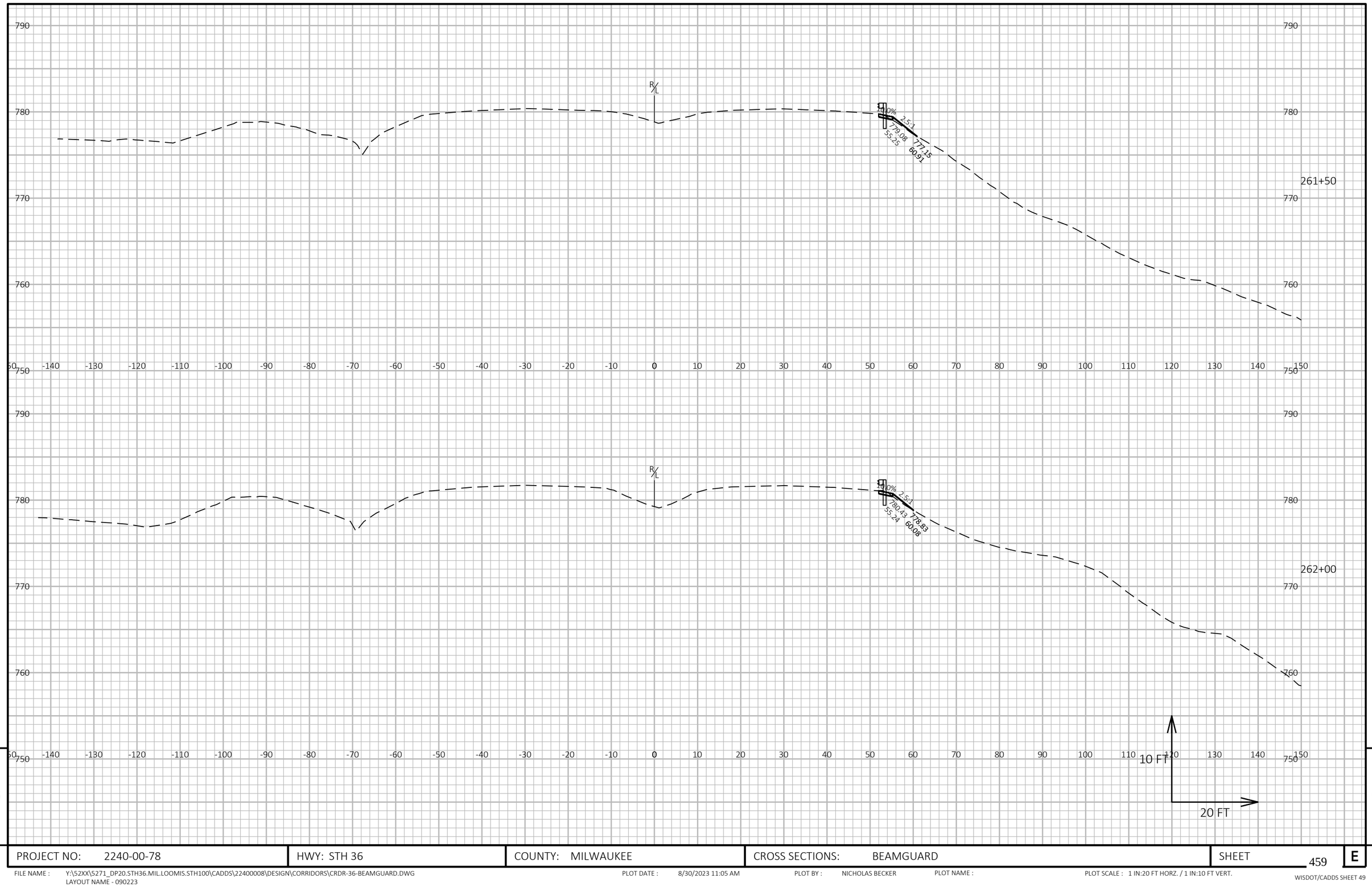
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 458	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090222

PLOT DATE : 8/30/2023 11:05 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

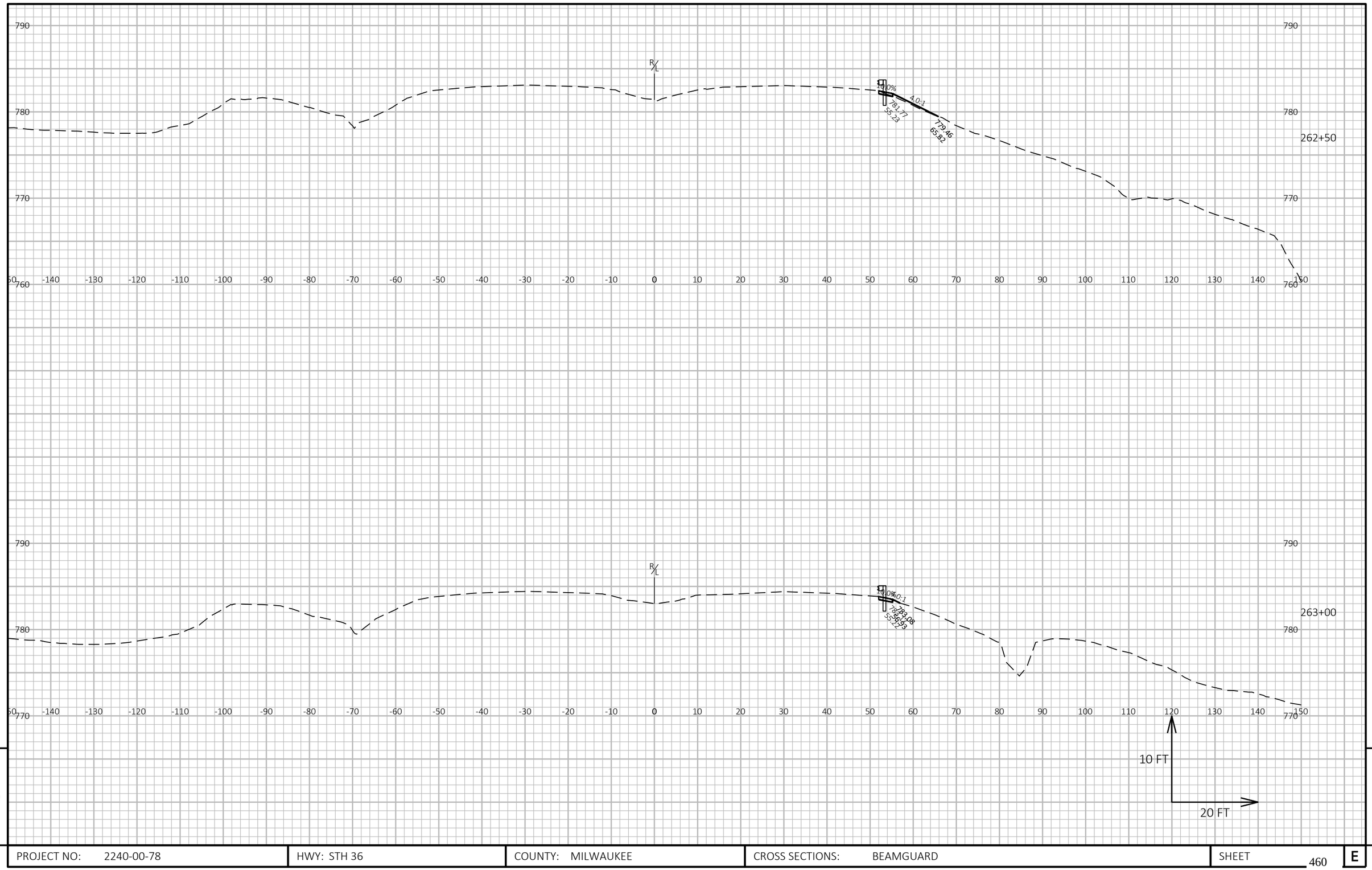


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 459	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090223

PLOT DATE : 8/30/2023 11:05 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

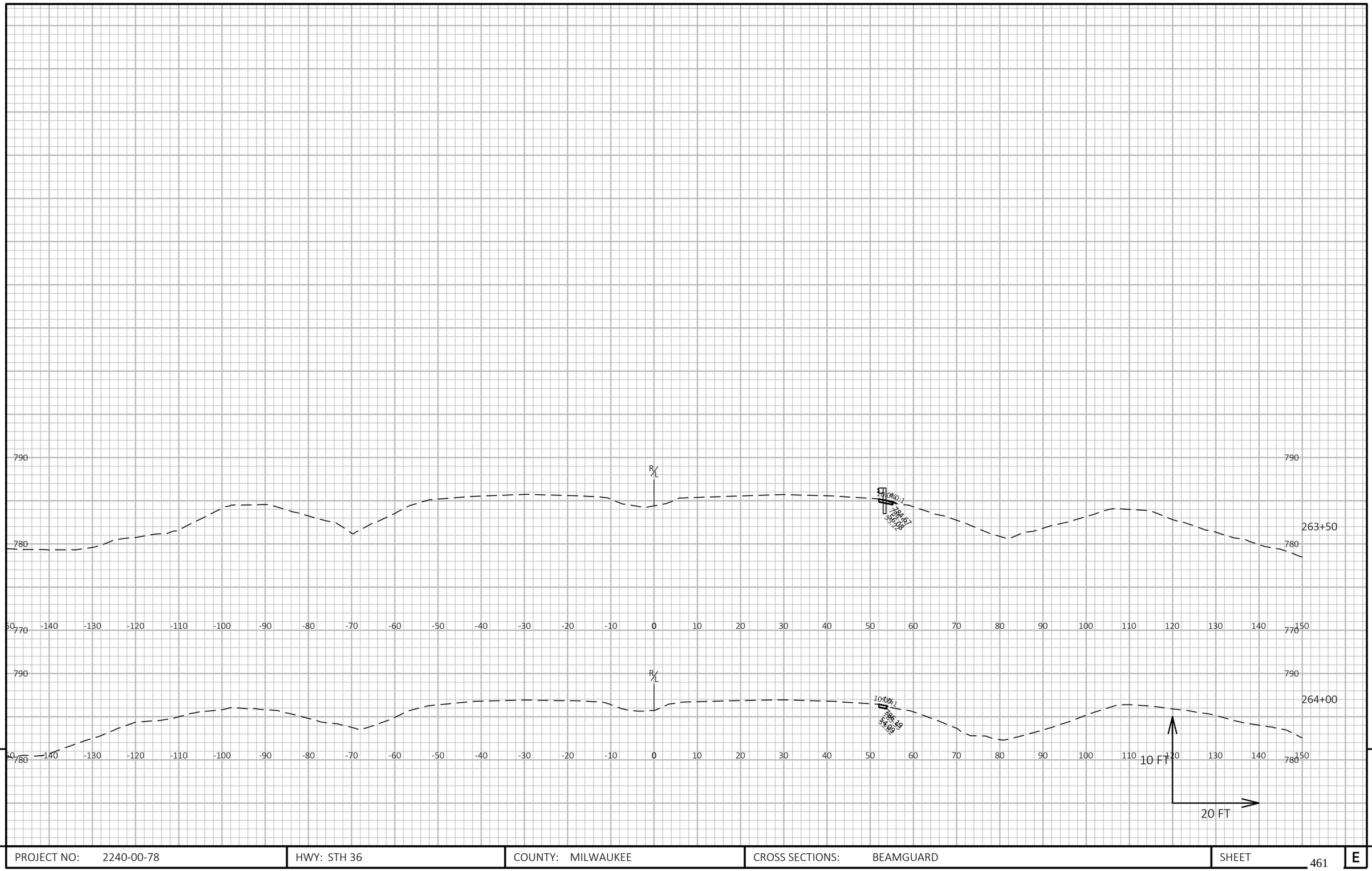
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 460	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090224

PLOT DATE : 8/30/2023 11:05 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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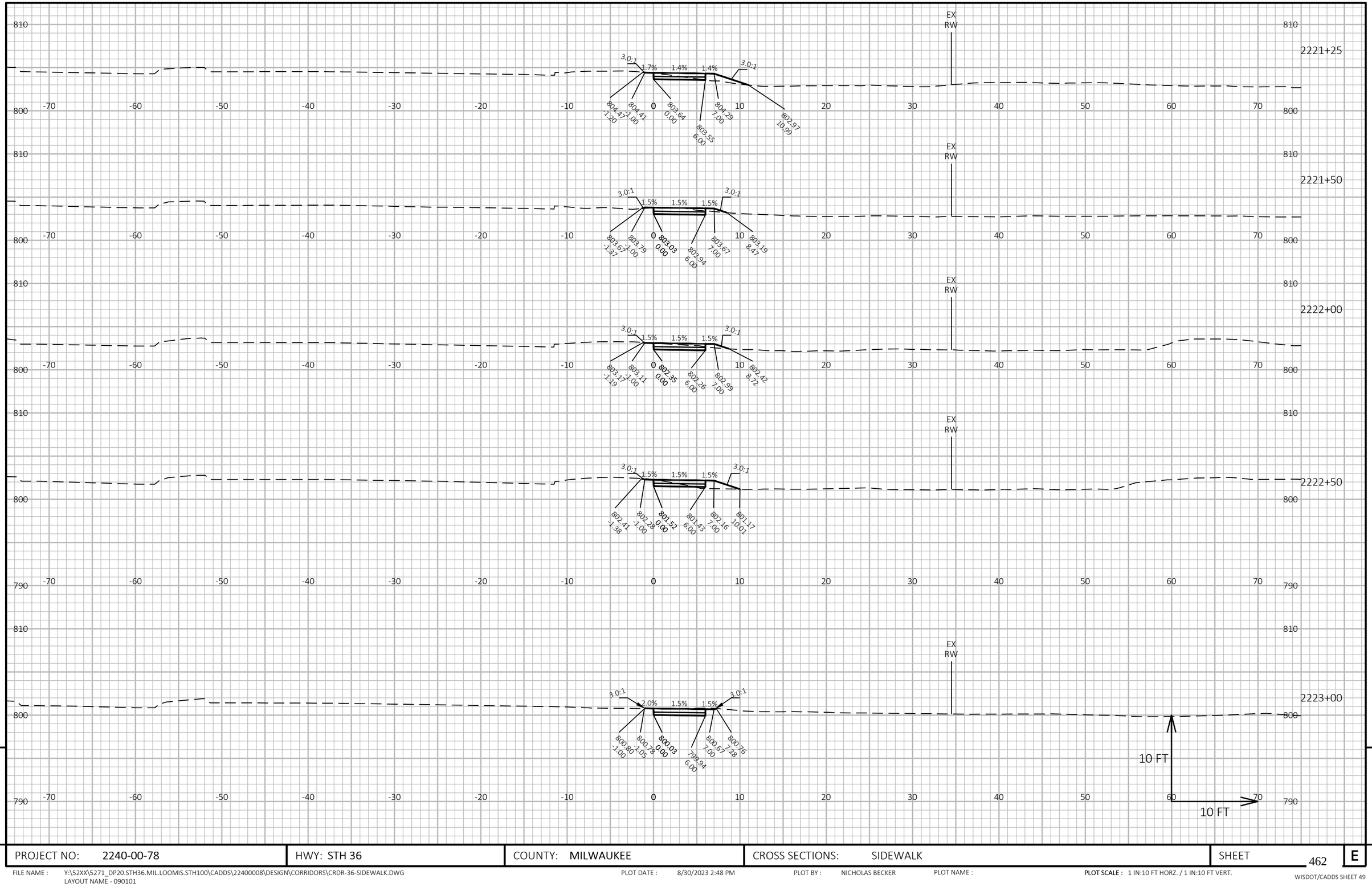
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: BEAMGUARD	SHEET 461	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-BEAMGUARD.DWG
LAYOUT NAME - 090225

PLOT DATE : 8/30/2023 11:05 AM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

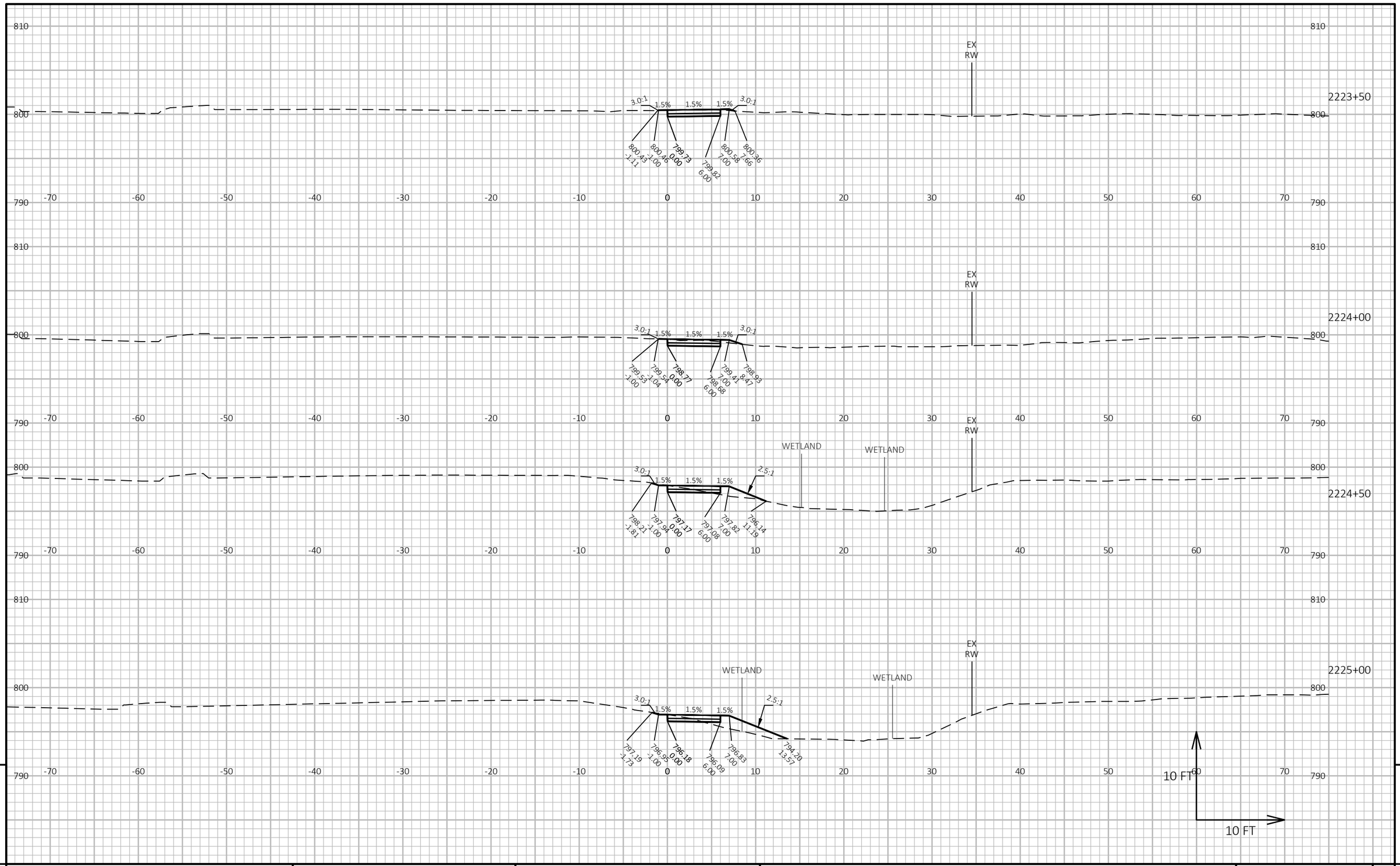
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 462	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090101

PLOT DATE : 8/30/2023 2:48 PM PLOT BY : NICHOLAS BECKER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 463	E

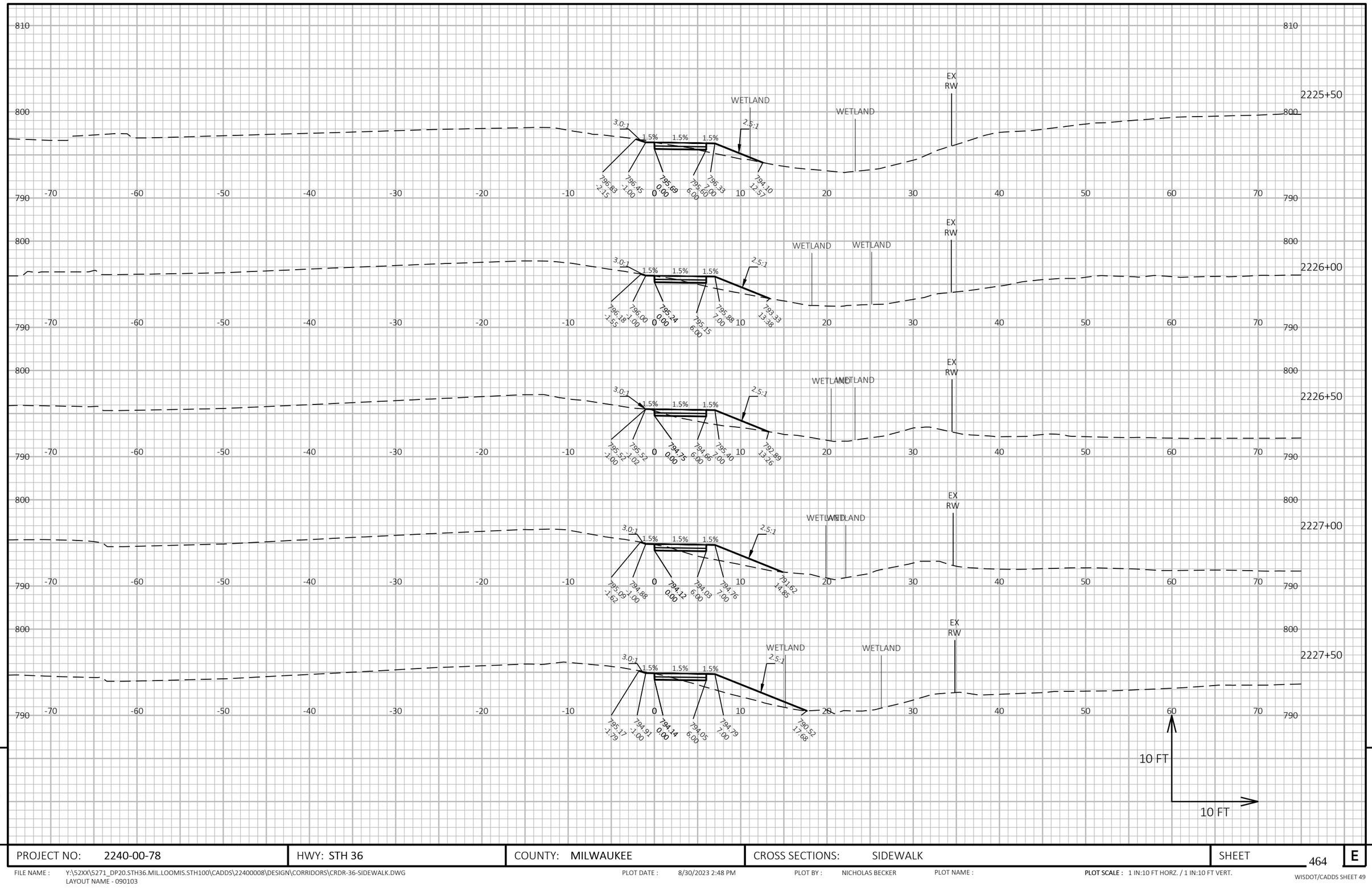
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090102

PLOT DATE : 8/30/2023 2:48 PM

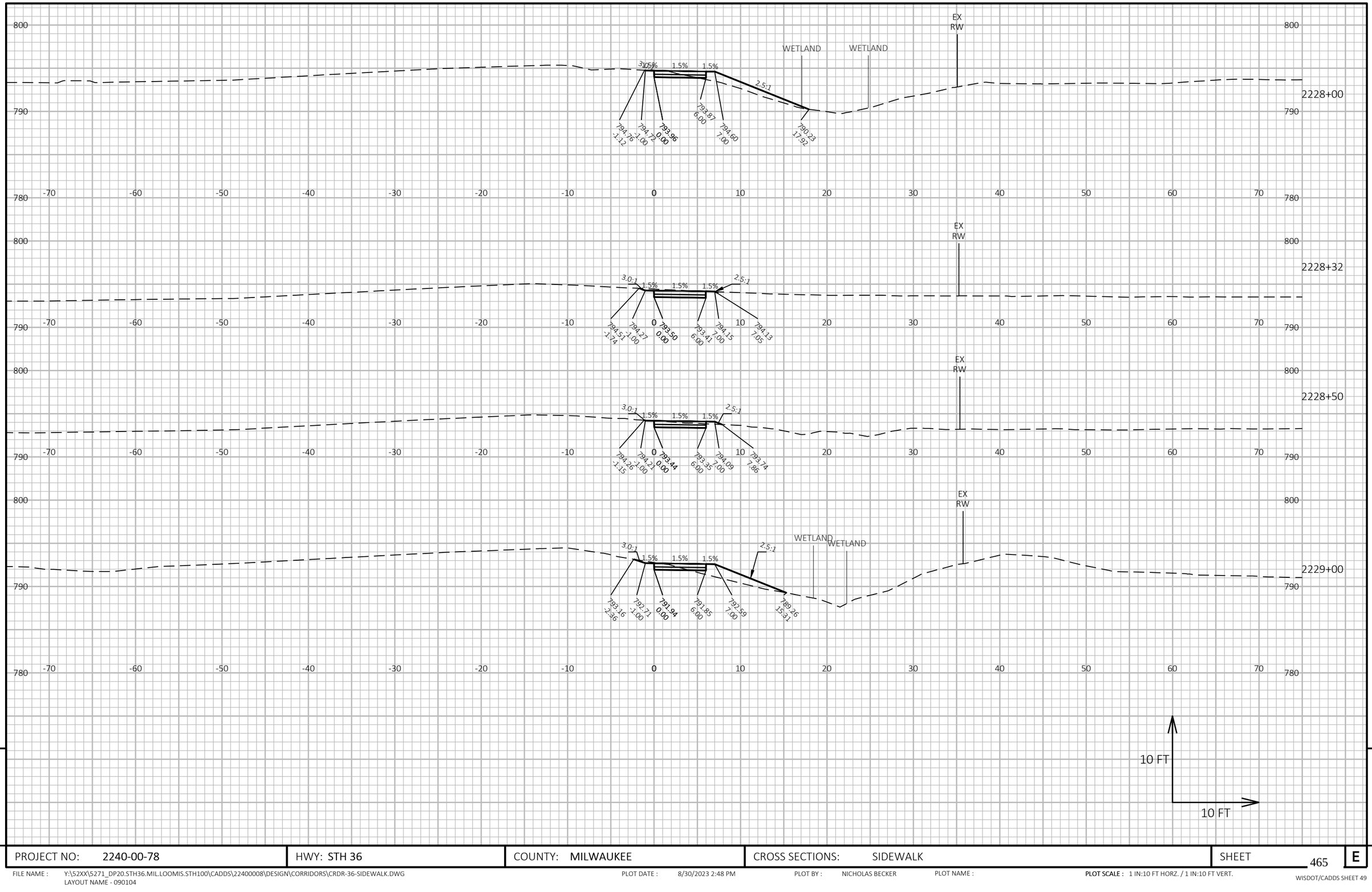
PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



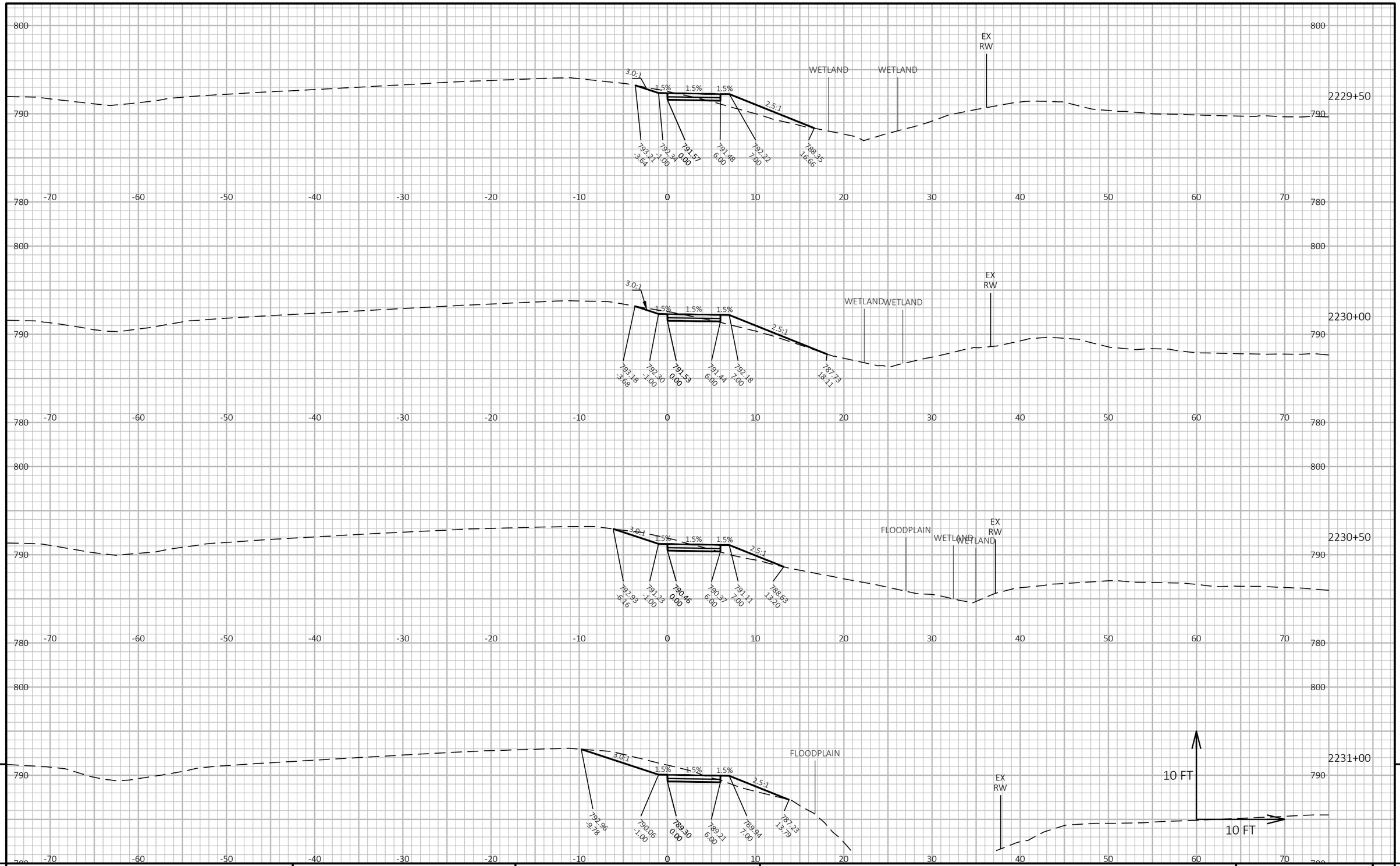
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 464	E



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 465	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090104

PLOT DATE : 8/30/2023 2:48 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



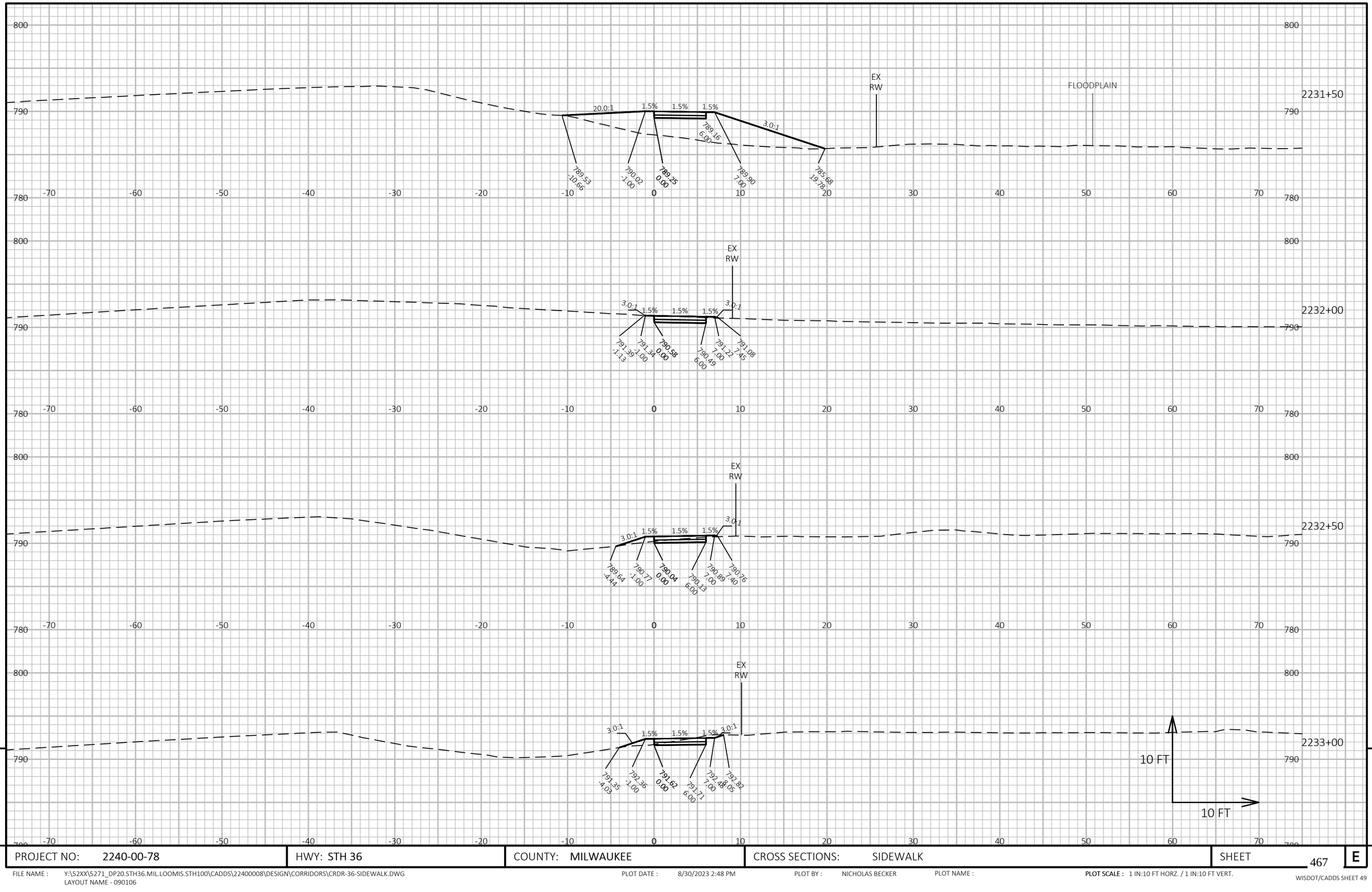
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 466	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090105

PLOT DATE : 8/30/2023 2:48 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 467	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090106

PLOT DATE : 8/30/2023 2:48 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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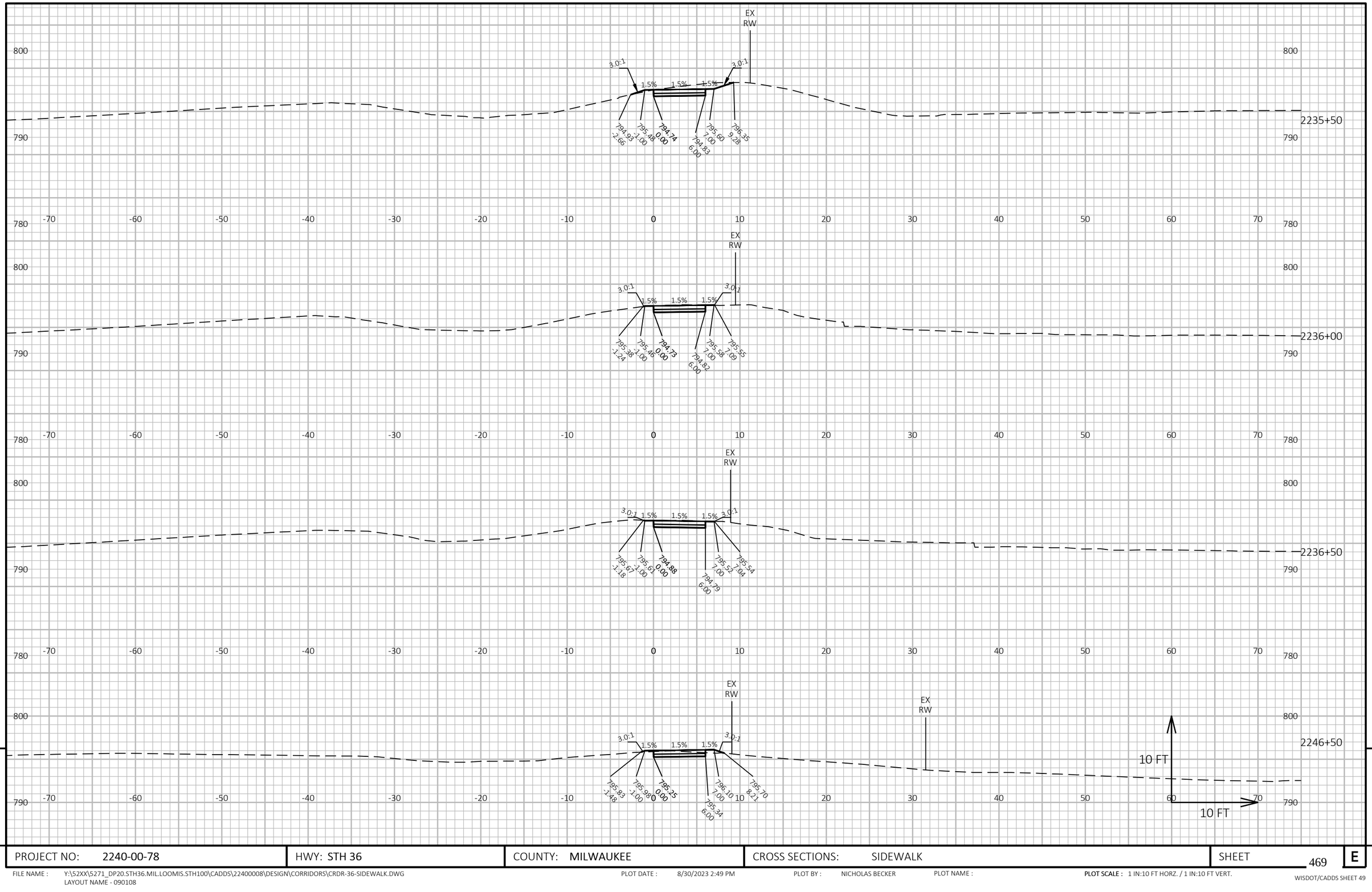
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 468	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090107

PLOT DATE : 8/30/2023 2:49 PM PLOT BY : NICHOLAS BECKER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

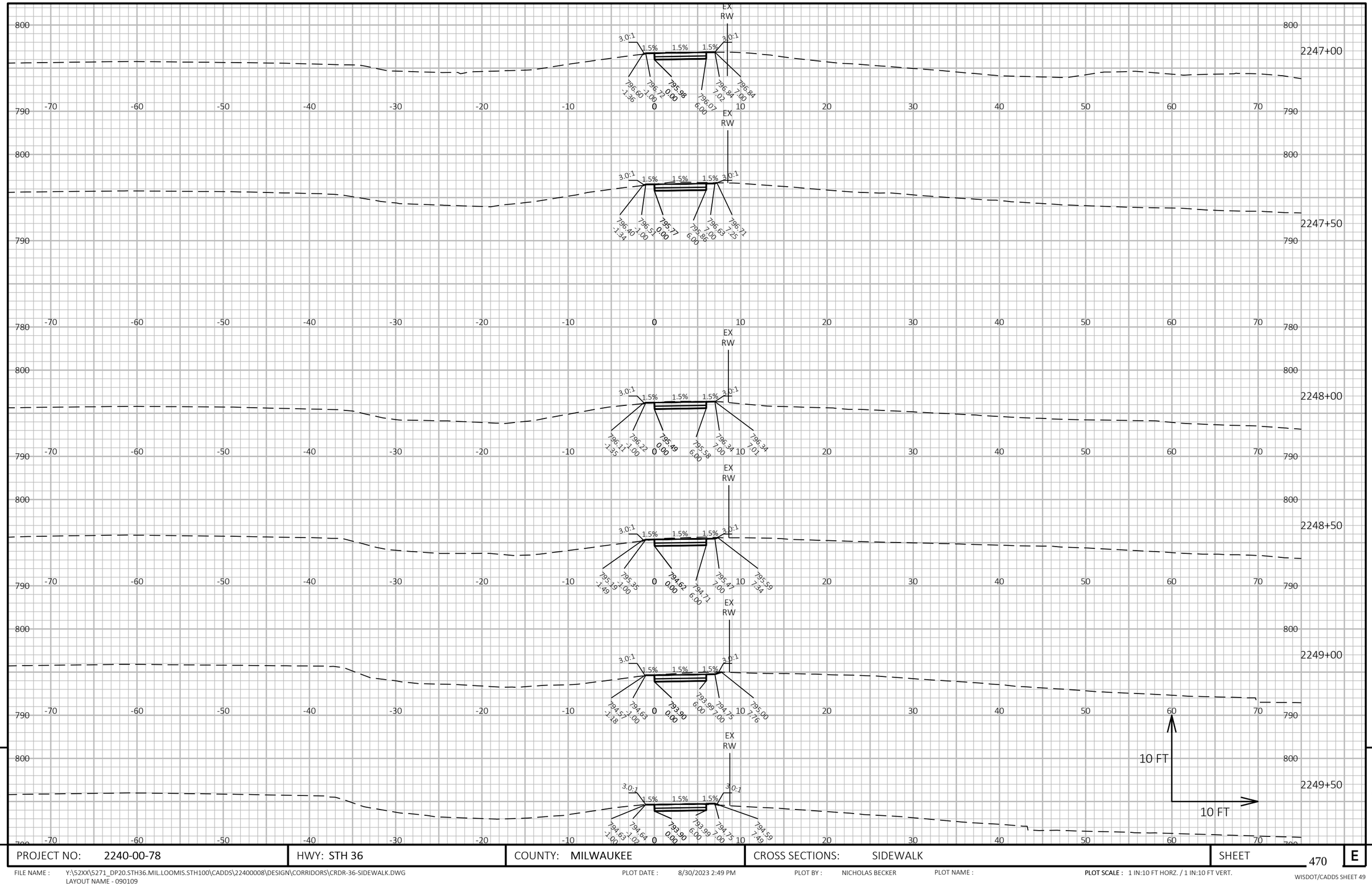


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 469	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090108

PLOT DATE : 8/30/2023 2:49 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

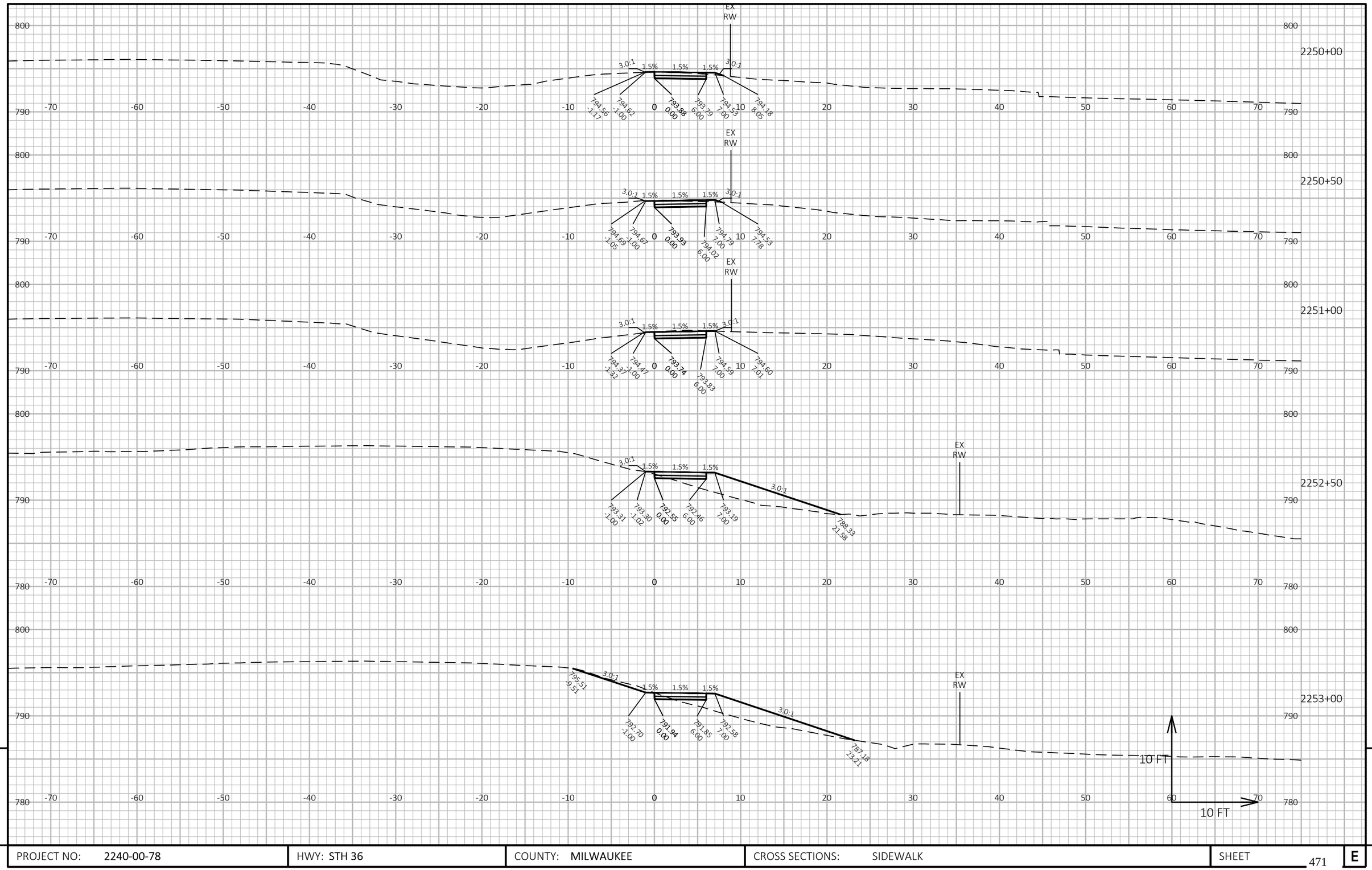


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 470	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090109

PLOT DATE : 8/30/2023 2:49 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

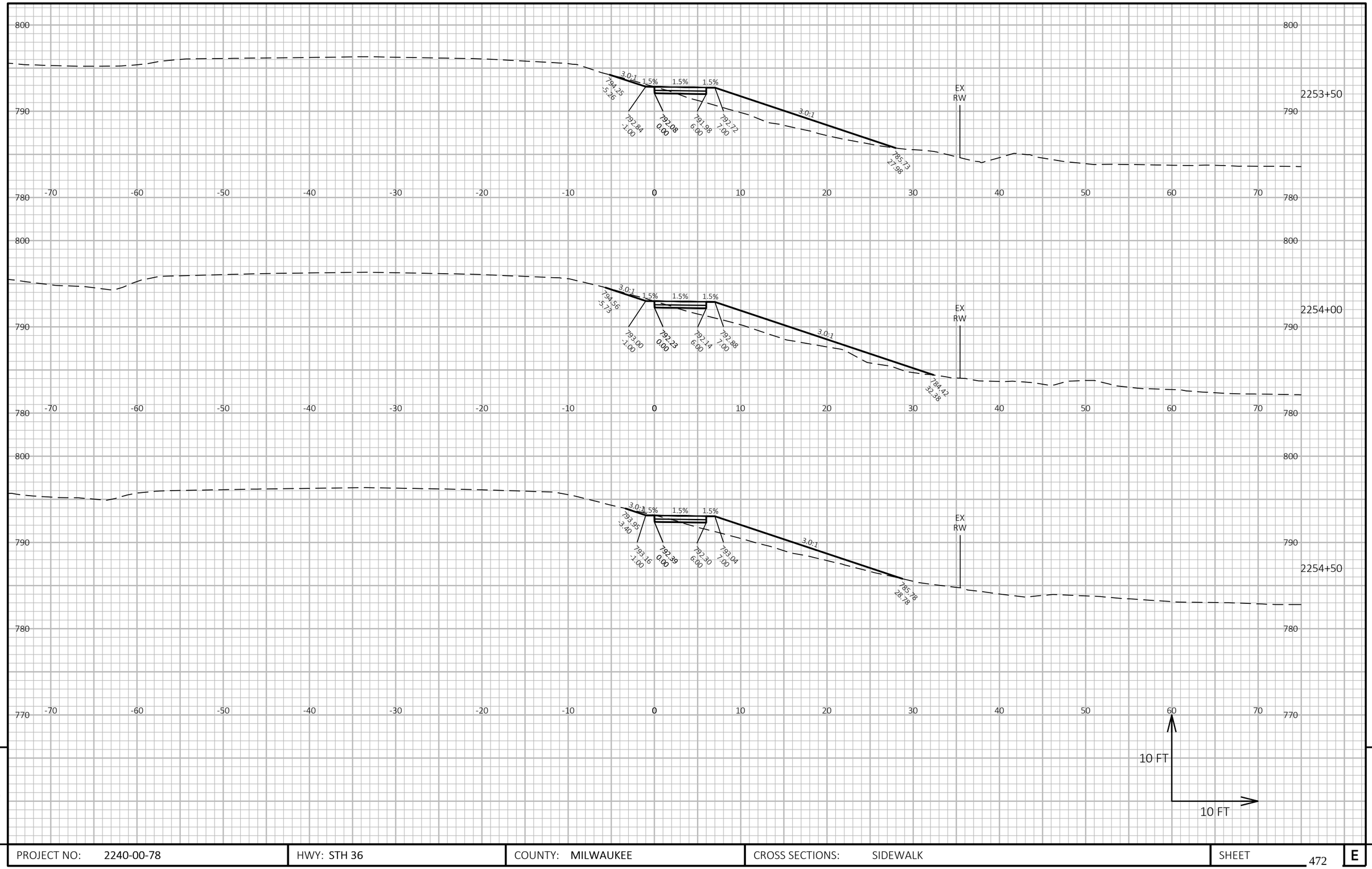


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 471	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090110

PLOT DATE : 8/30/2023 2:49 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 472	E

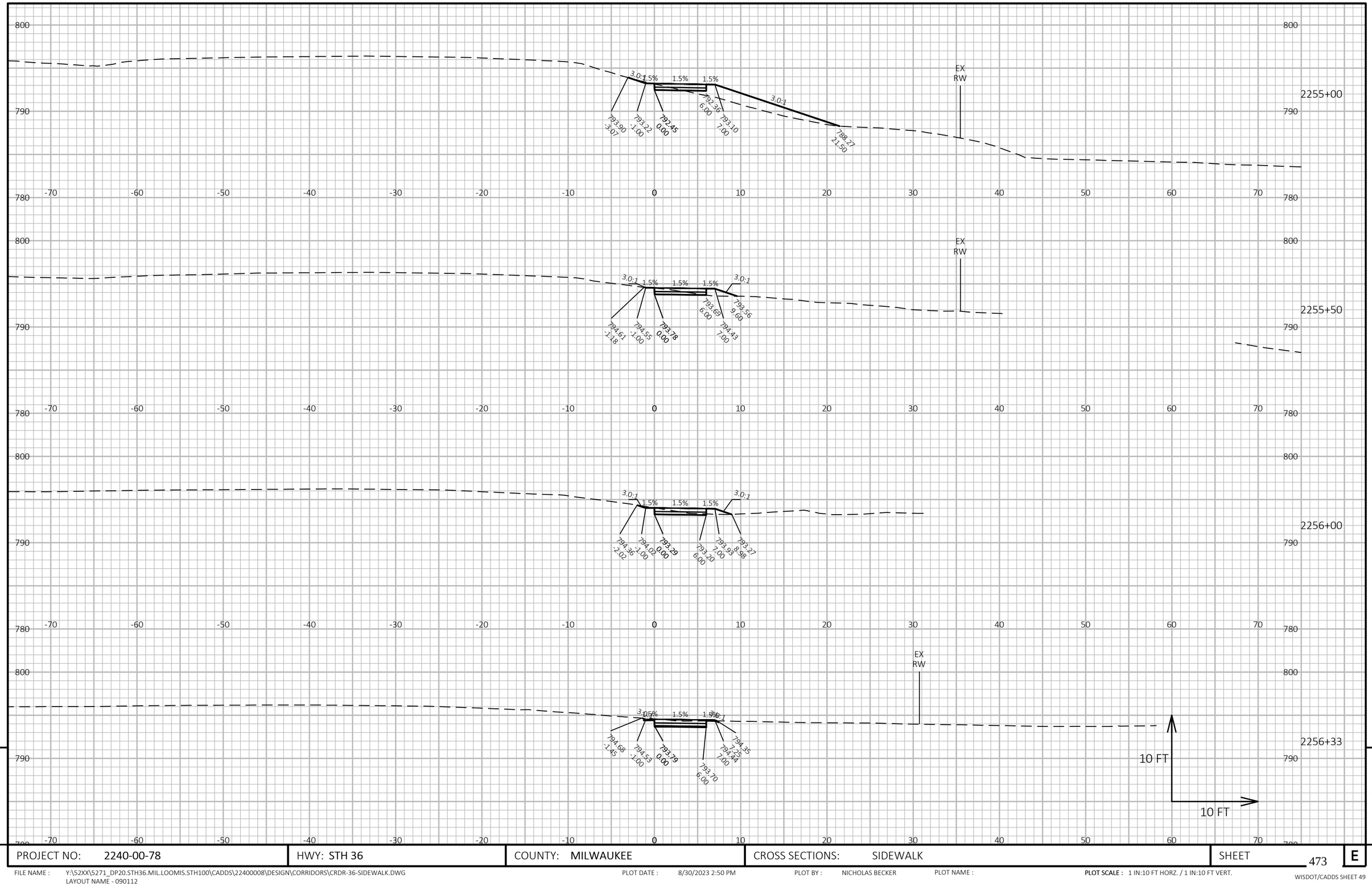
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090111

PLOT DATE : 8/30/2023 2:49 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



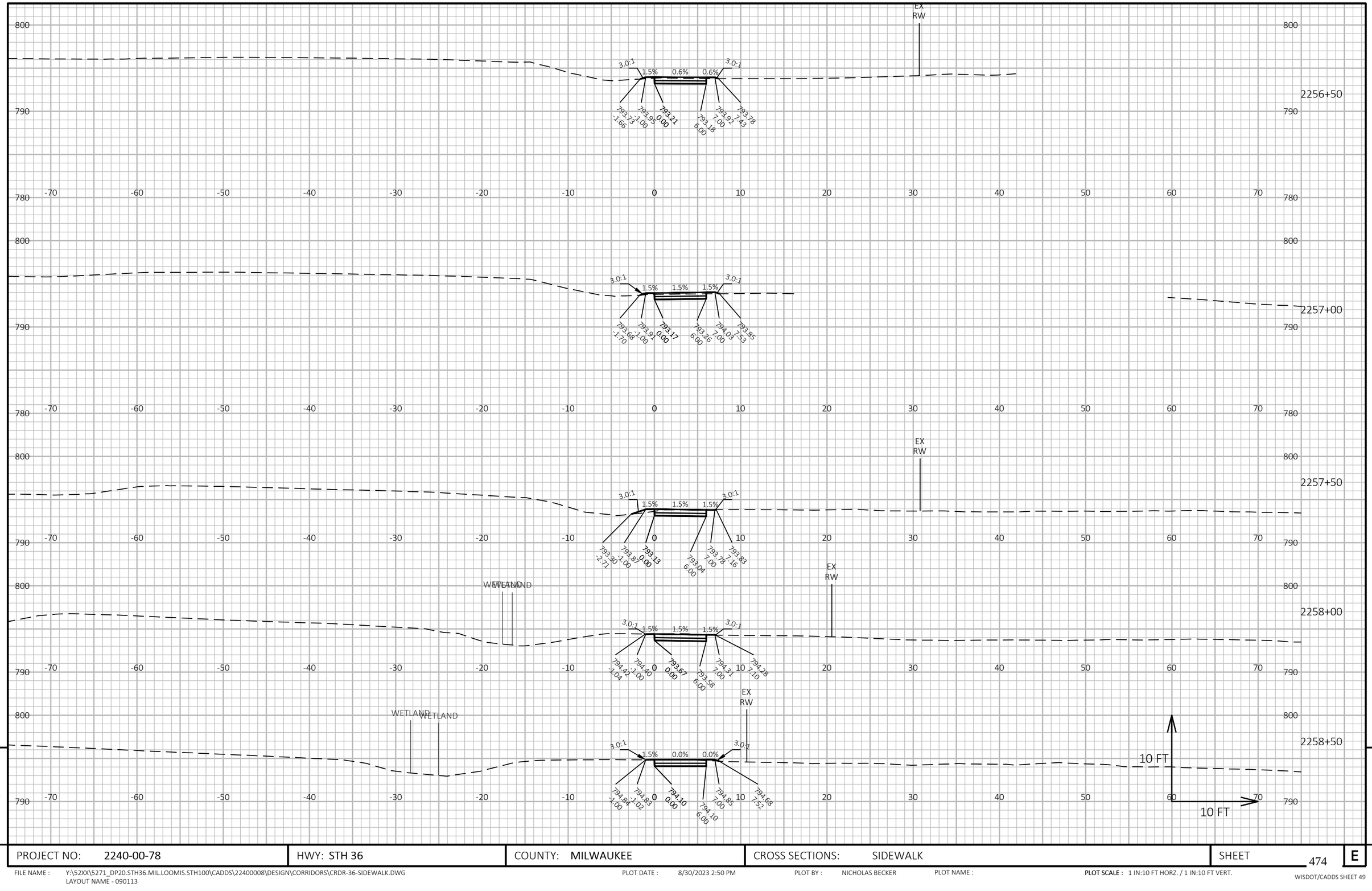
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 473	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090112

PLOT DATE : 8/30/2023 2:50 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

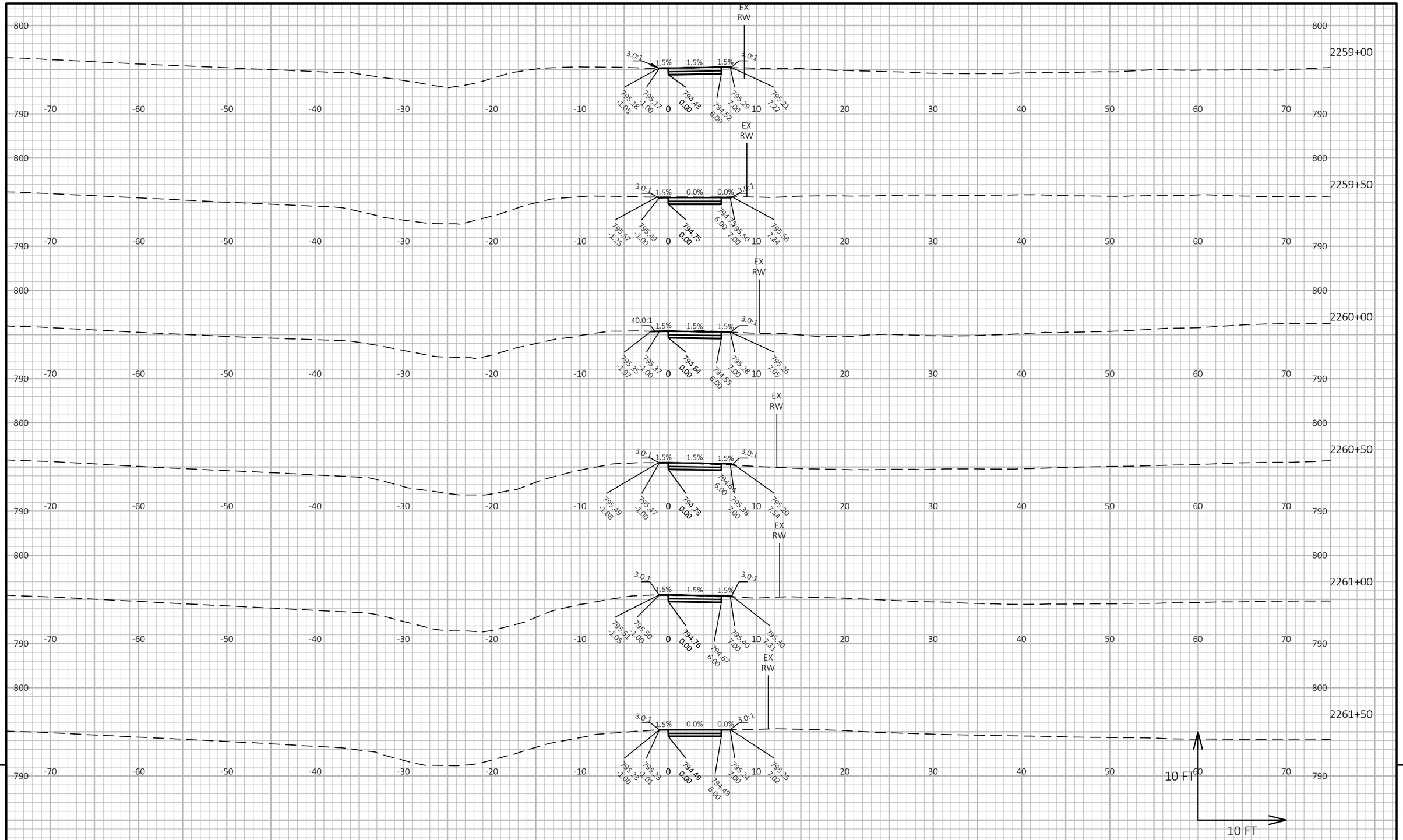


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 474 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090113

PLOT DATE : 8/30/2023 2:50 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



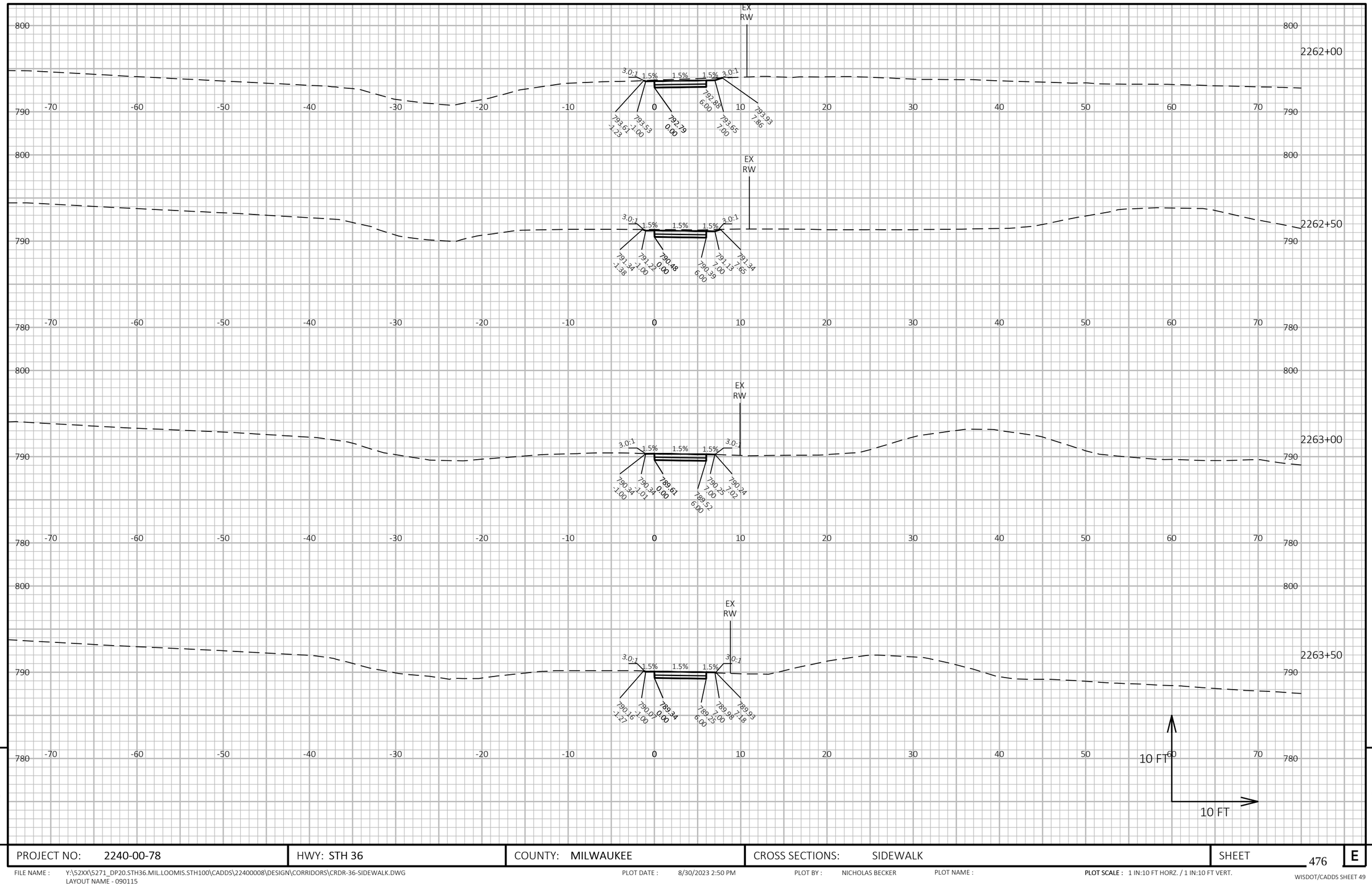
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 475	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090114

PLOT DATE : 8/30/2023 2:50 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 476	E

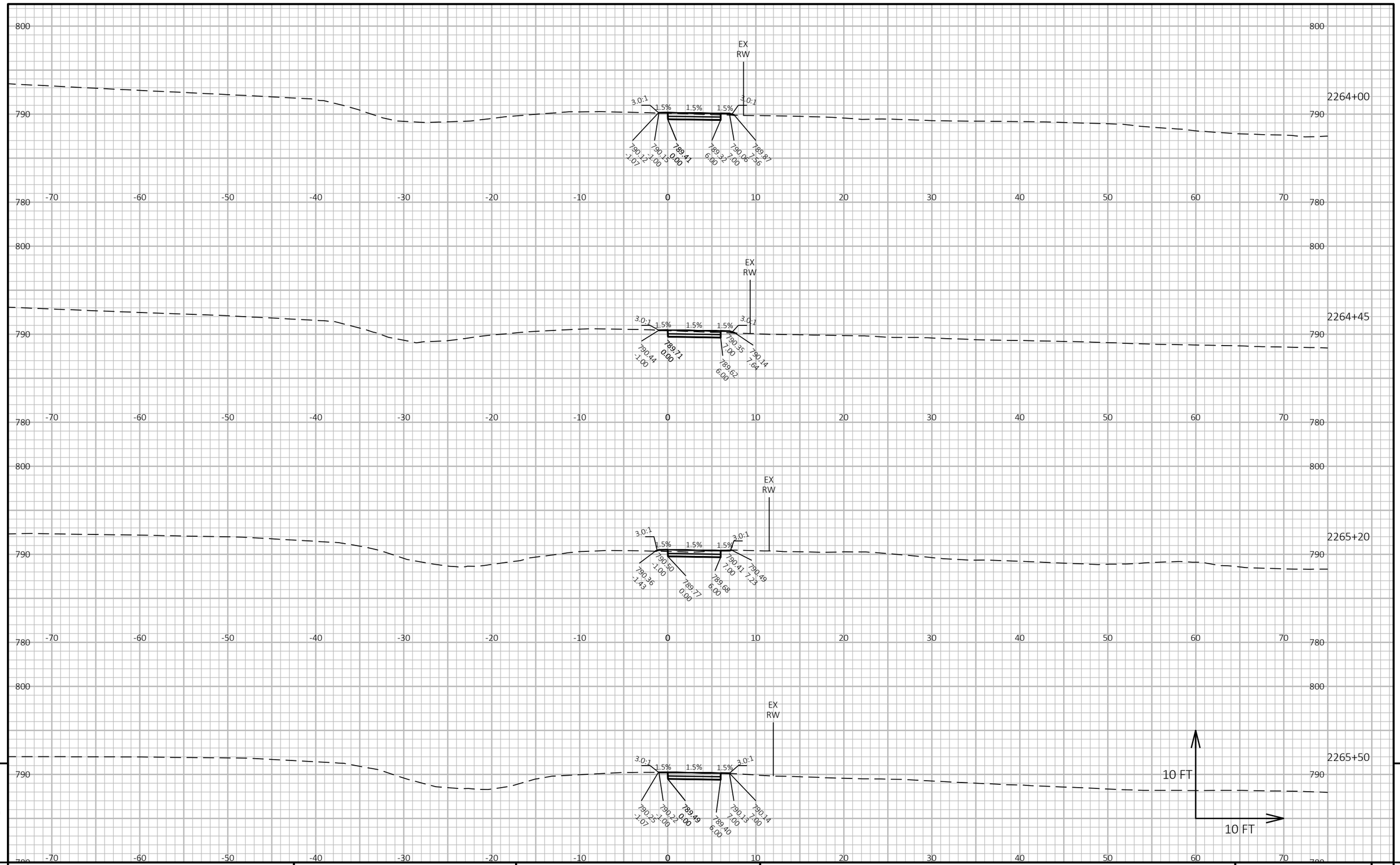
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090115

PLOT DATE : 8/30/2023 2:50 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

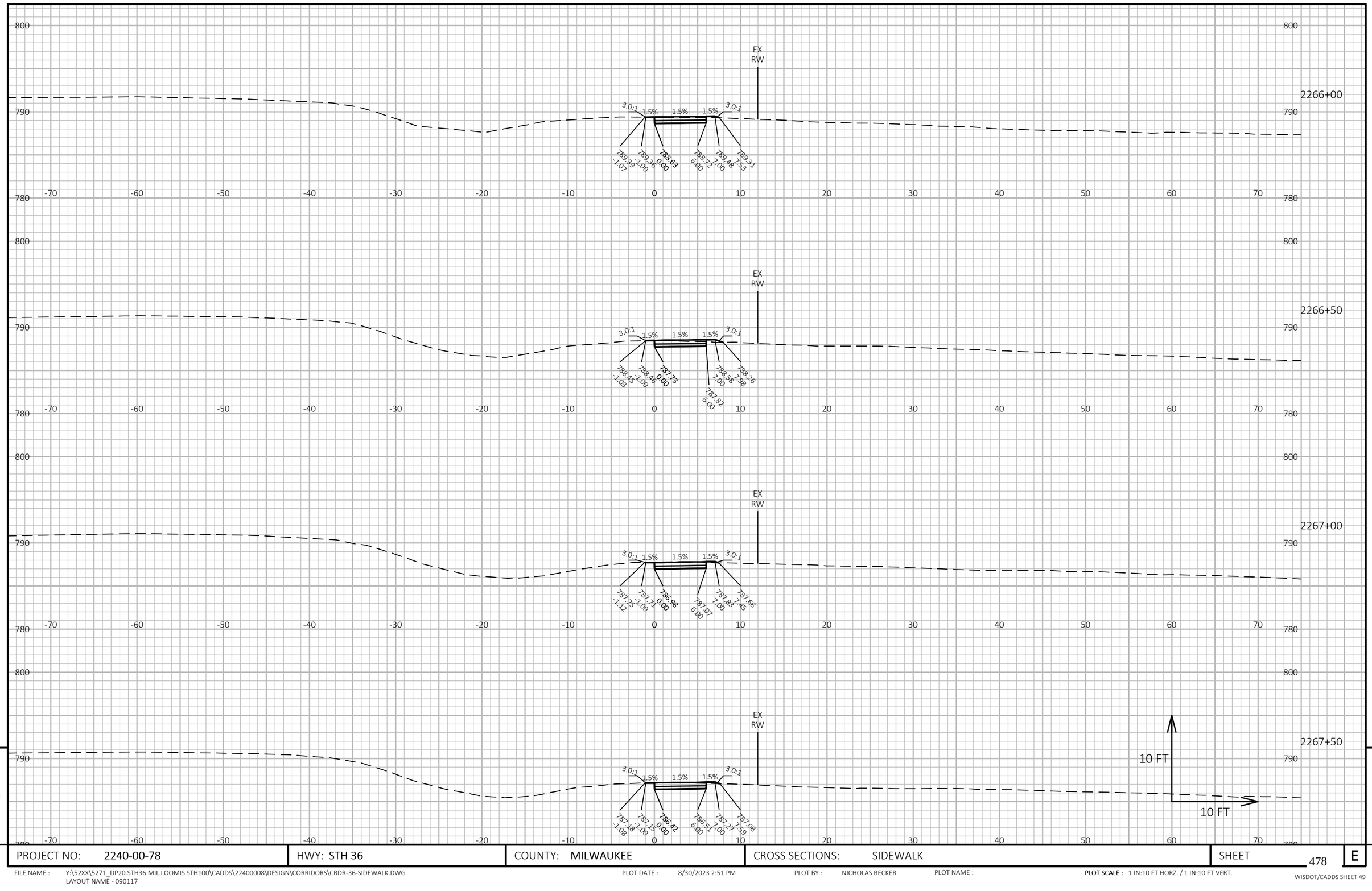


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 477	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090116

PLOT DATE : 8/30/2023 2:50 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

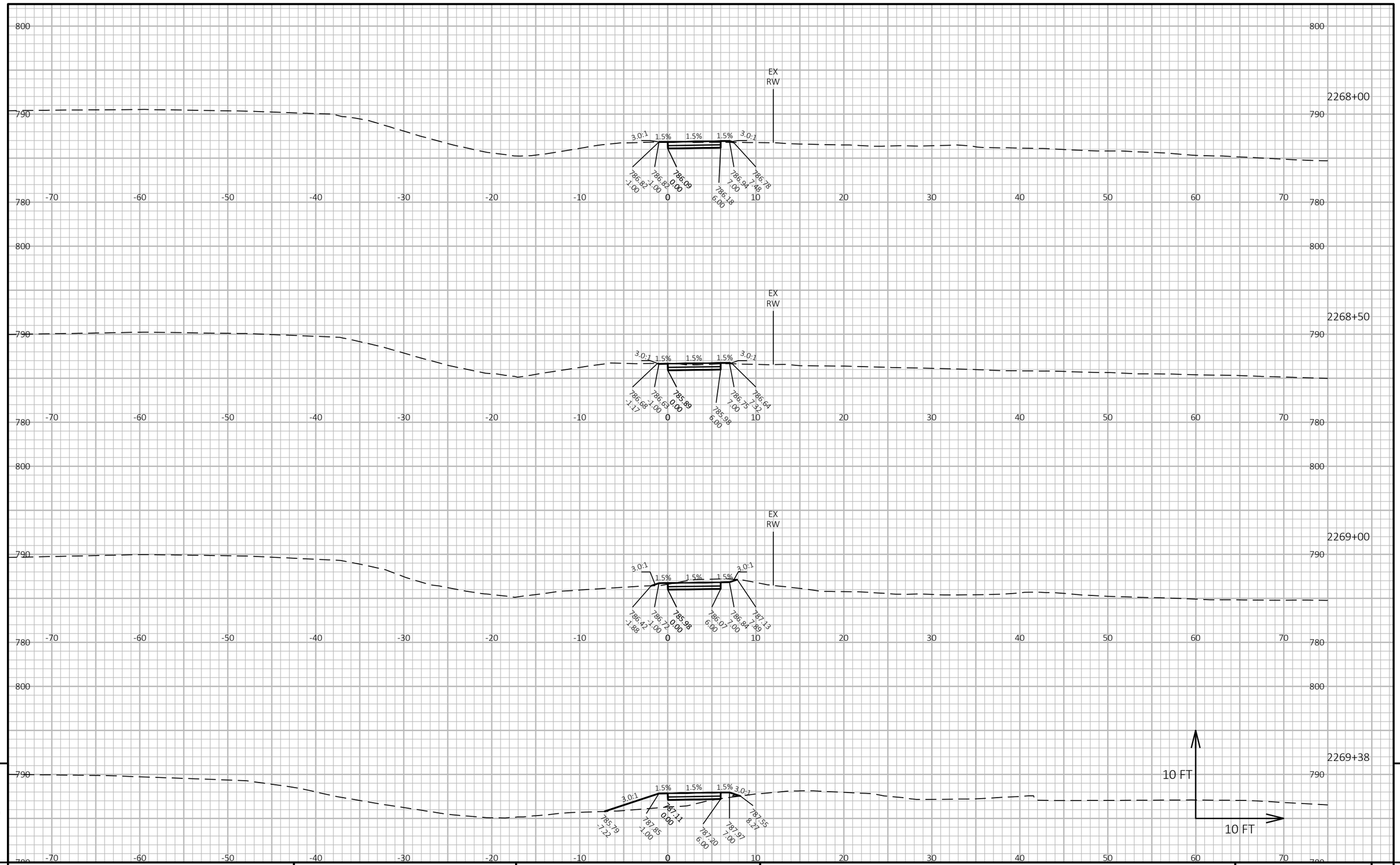


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 478	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090117

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

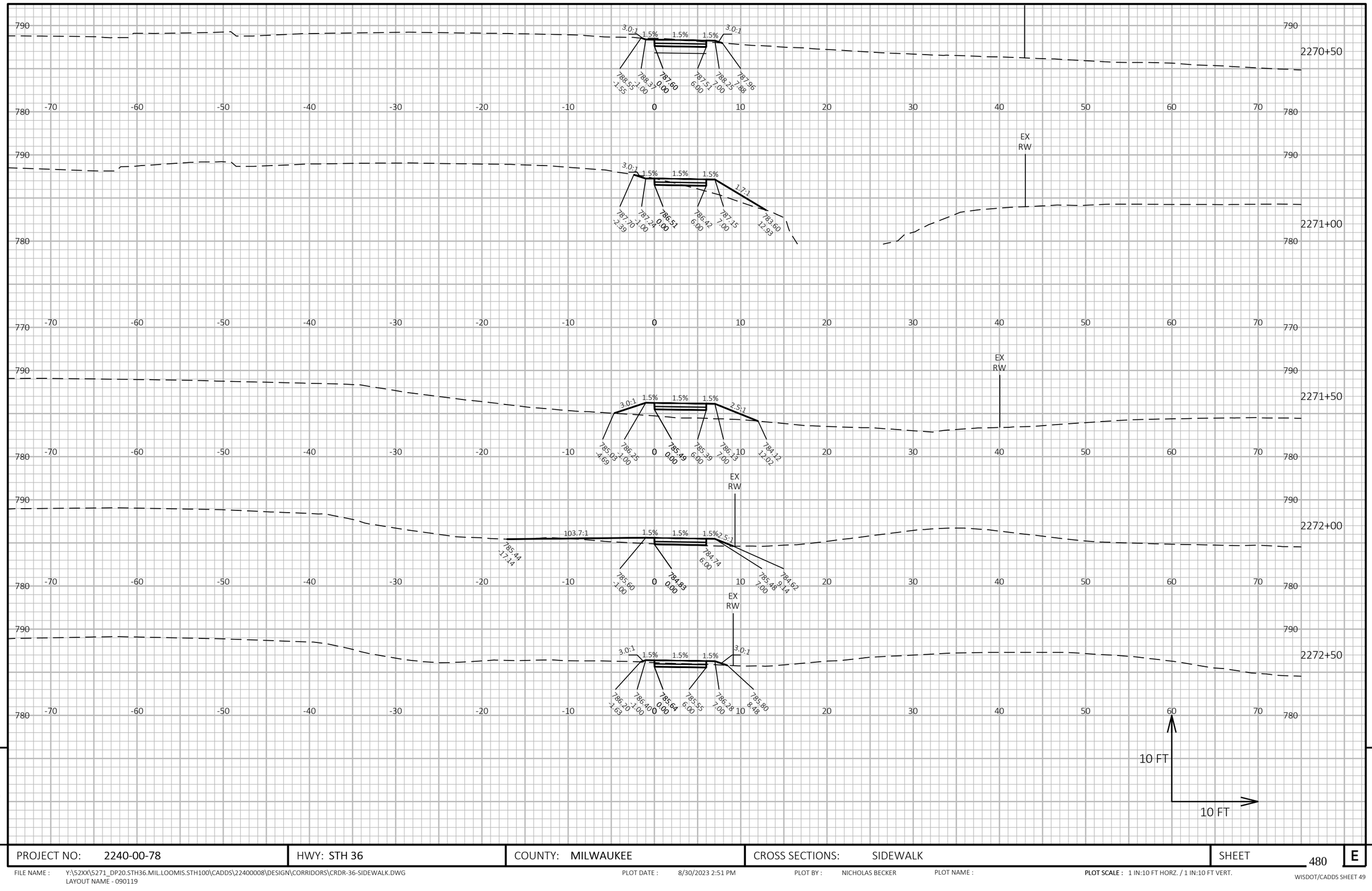


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 479	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090118

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

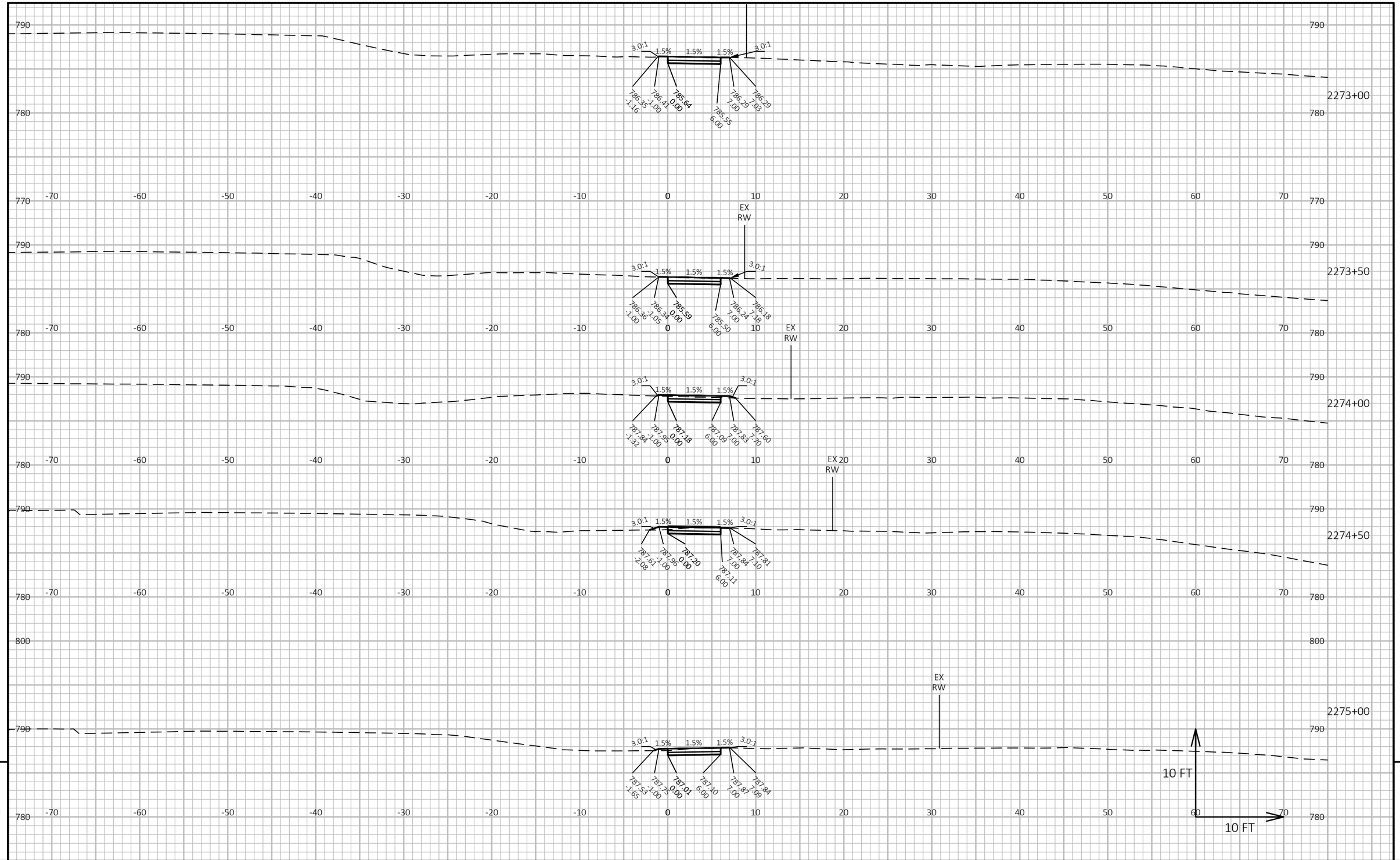
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 480	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090119

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

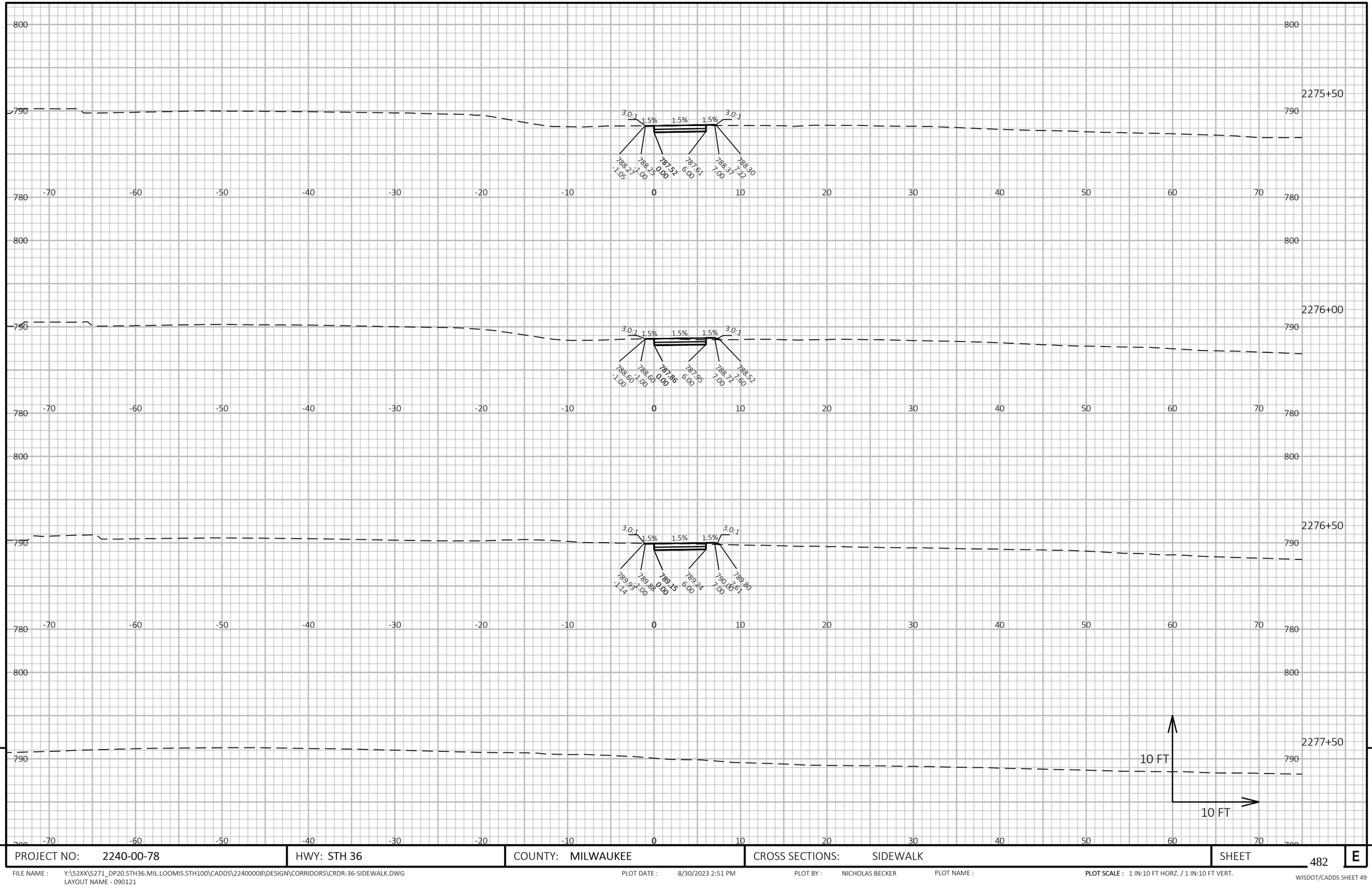
WISDOT/CADDS SHEET 49



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 481	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090120

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



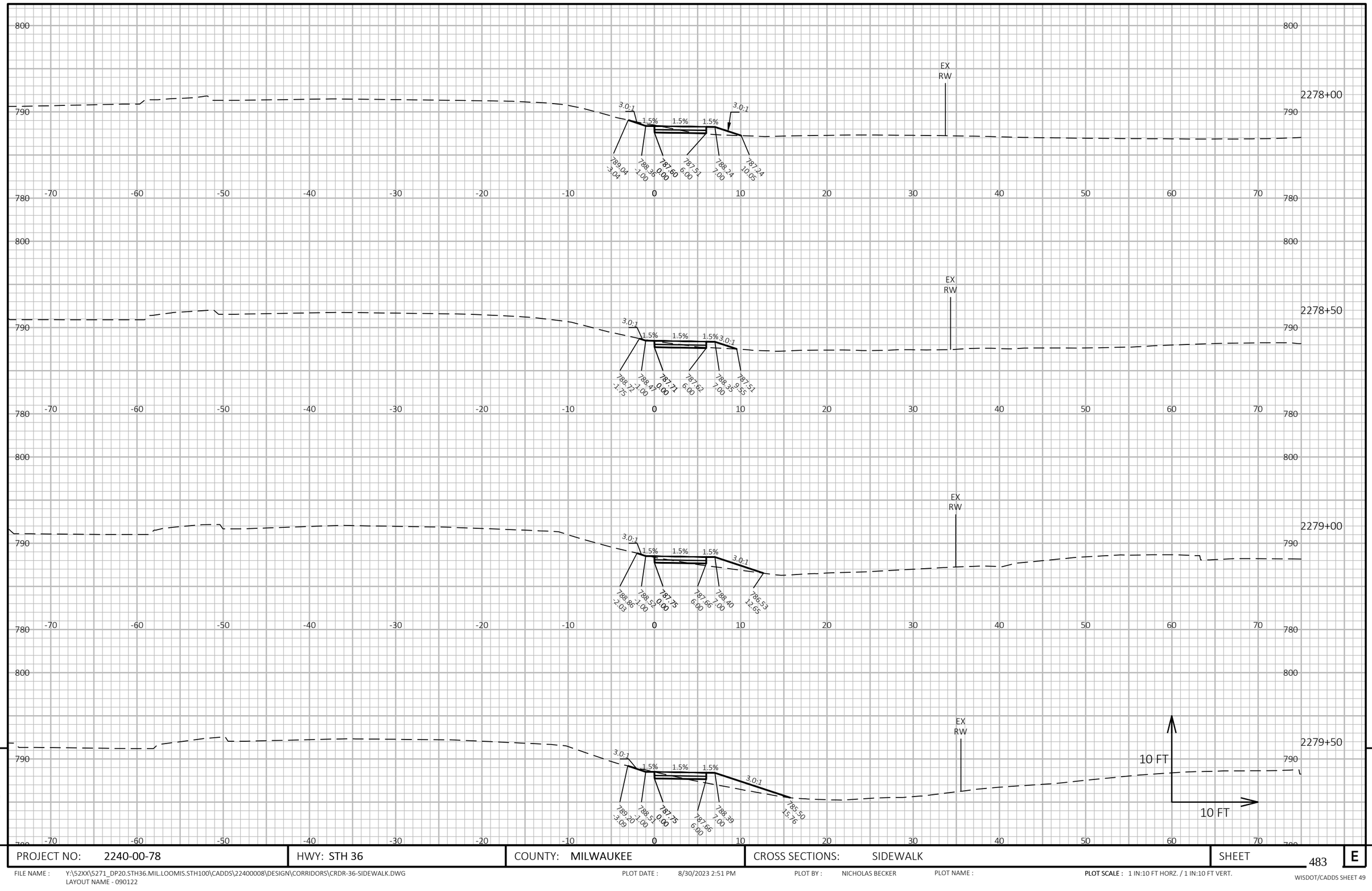
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 482	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090121

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



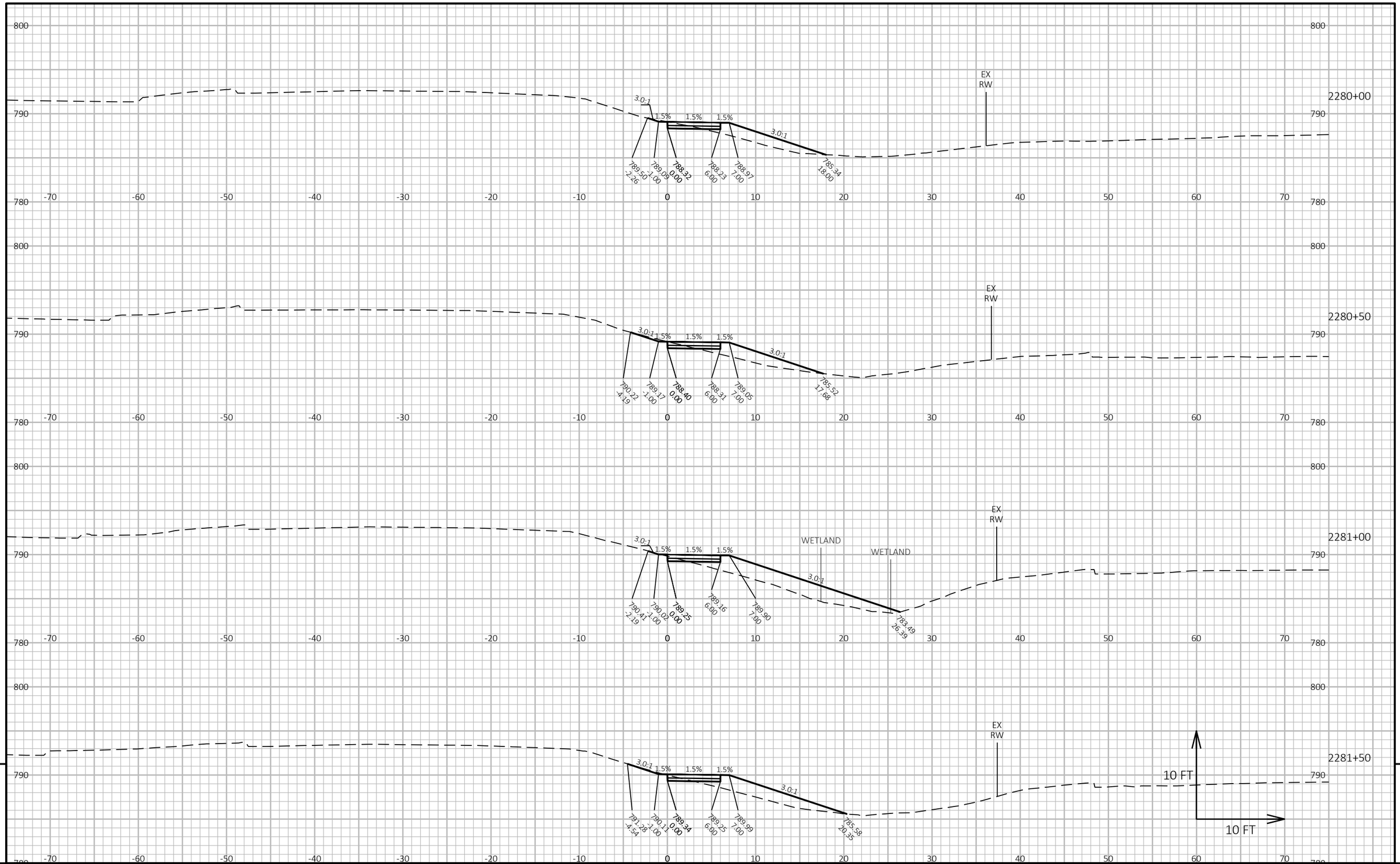
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9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 483	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090122

PLOT DATE : 8/30/2023 2:51 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 484	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090123

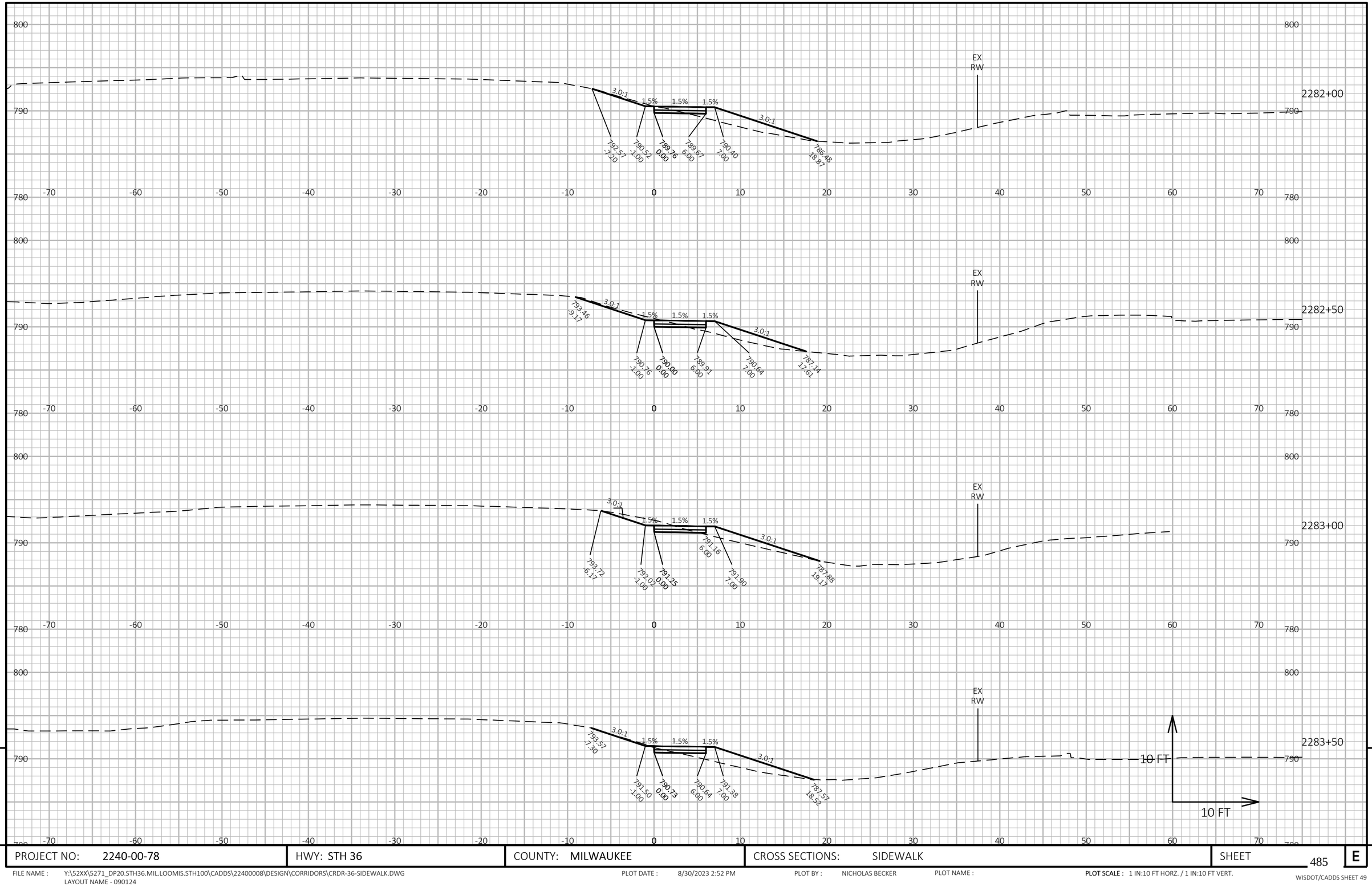
PLOT DATE : 8/30/2023 2:52 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



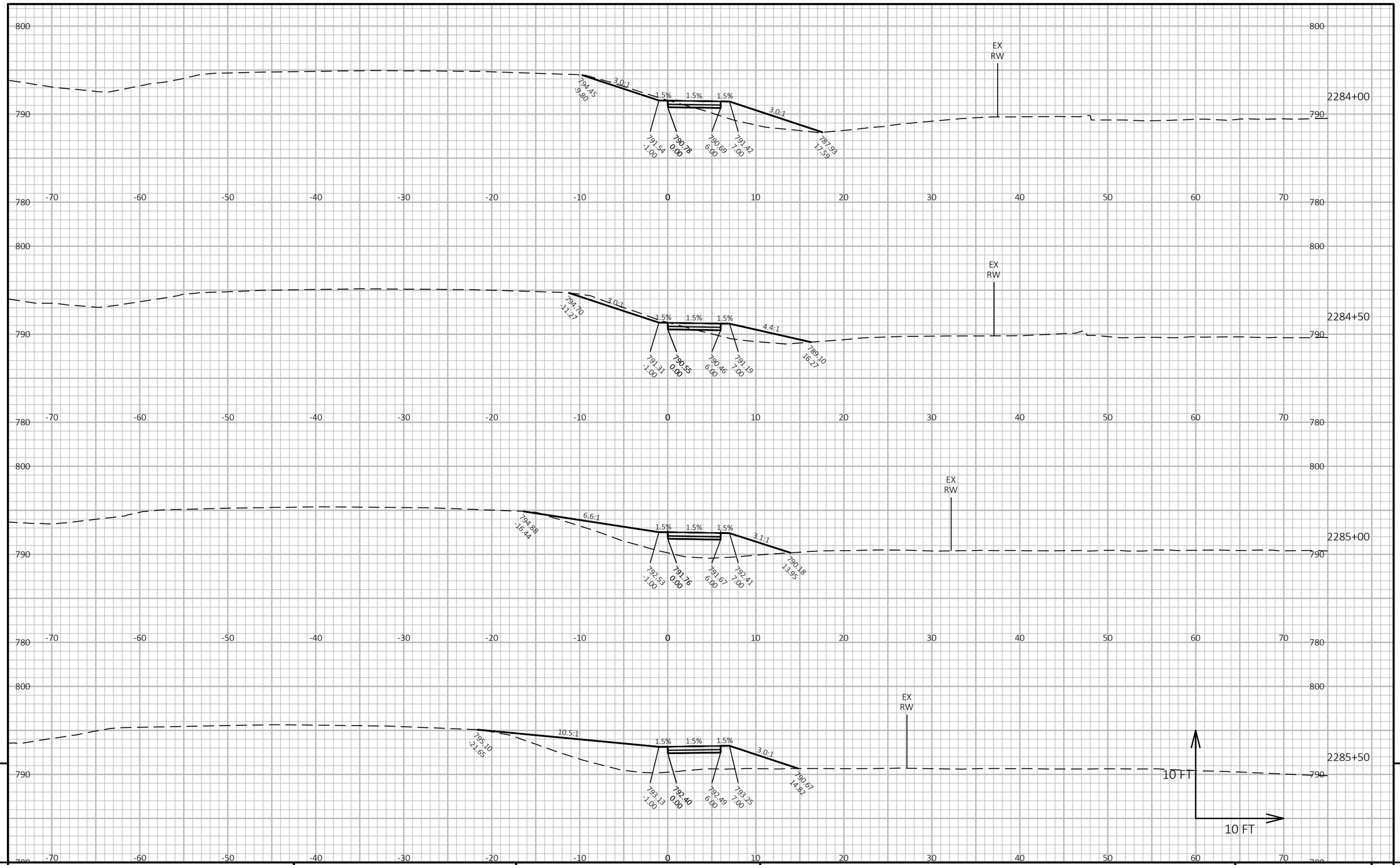
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 485	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090124

PLOT DATE : 8/30/2023 2:52 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

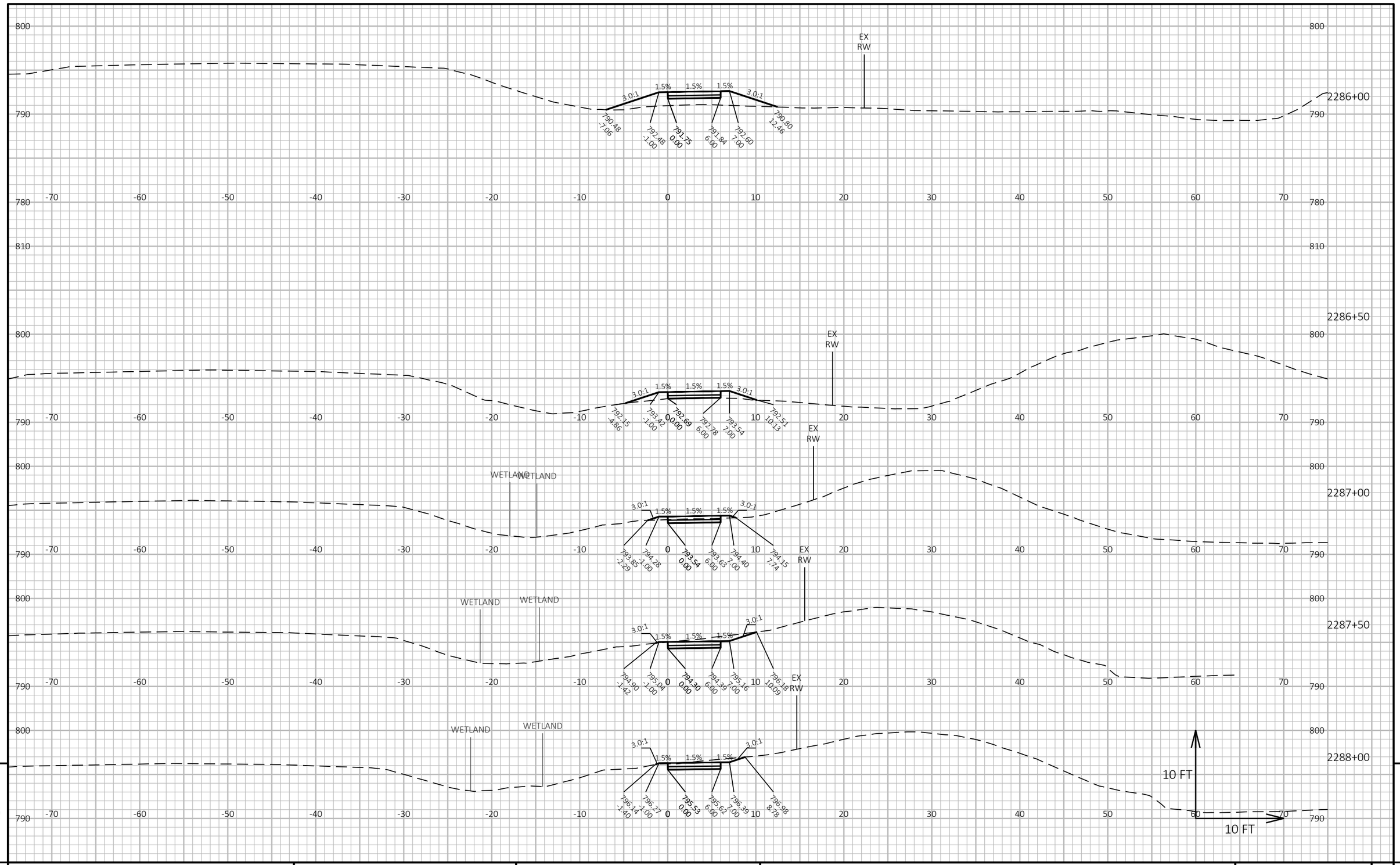


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 486	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090125

PLOT DATE : 8/30/2023 2:52 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 487	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090126

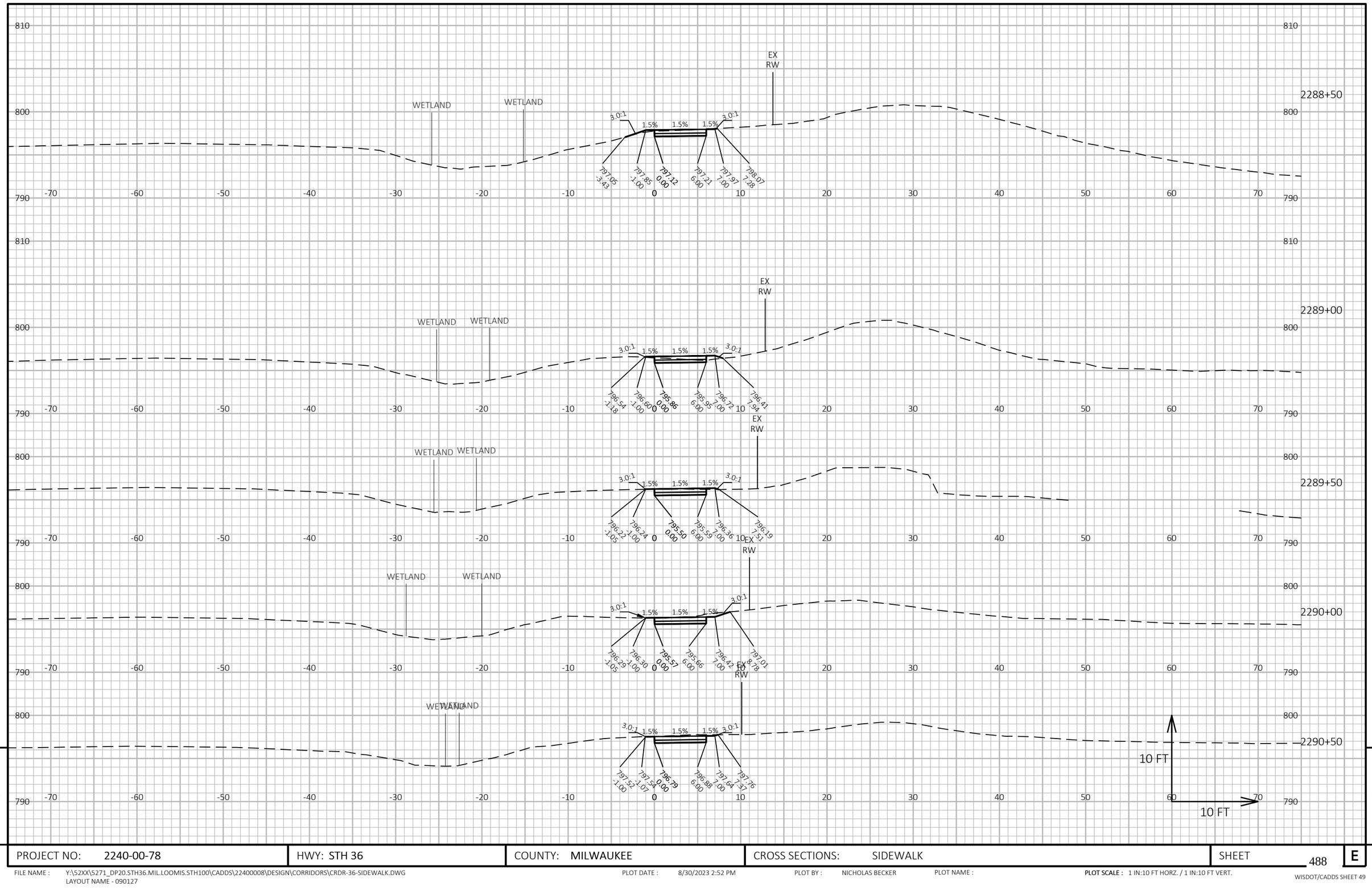
PLOT DATE : 8/30/2023 2:52 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



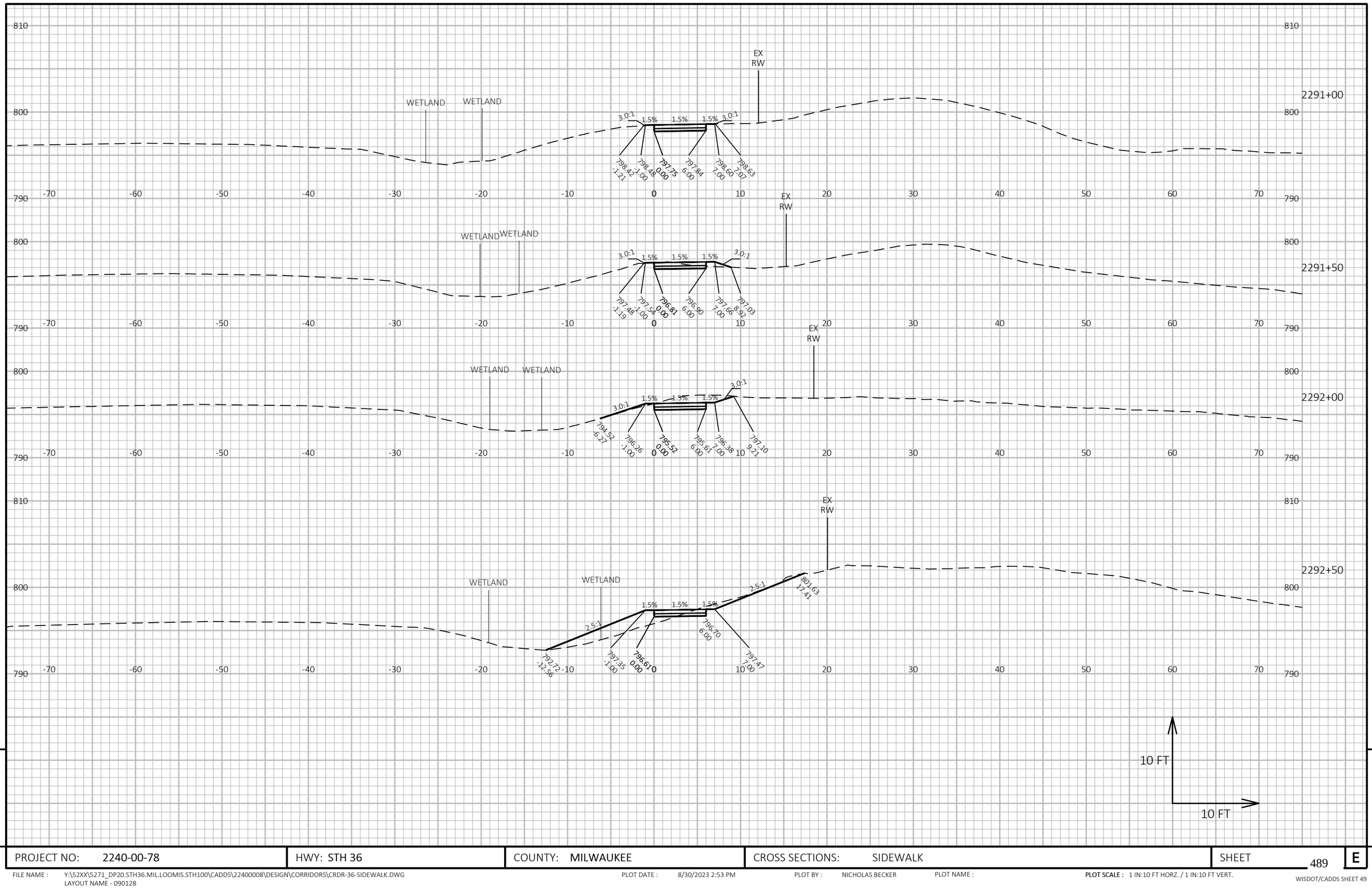
PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 488	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090127

PLOT DATE : 8/30/2023 2:52 PM PLOT BY : NICHOLAS BECKER PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 489	E

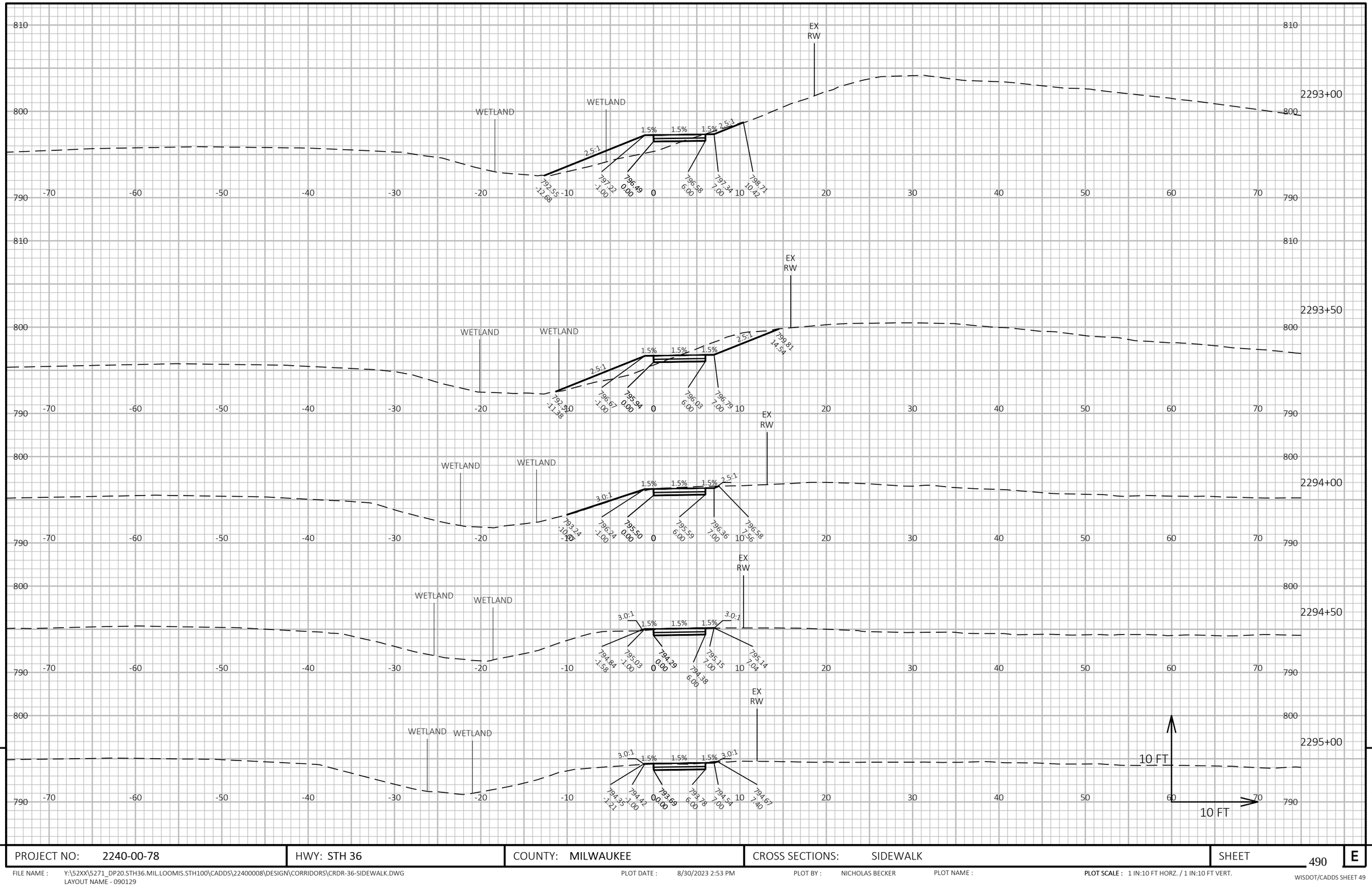
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090128

PLOT DATE : 8/30/2023 2:53 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 490	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090129

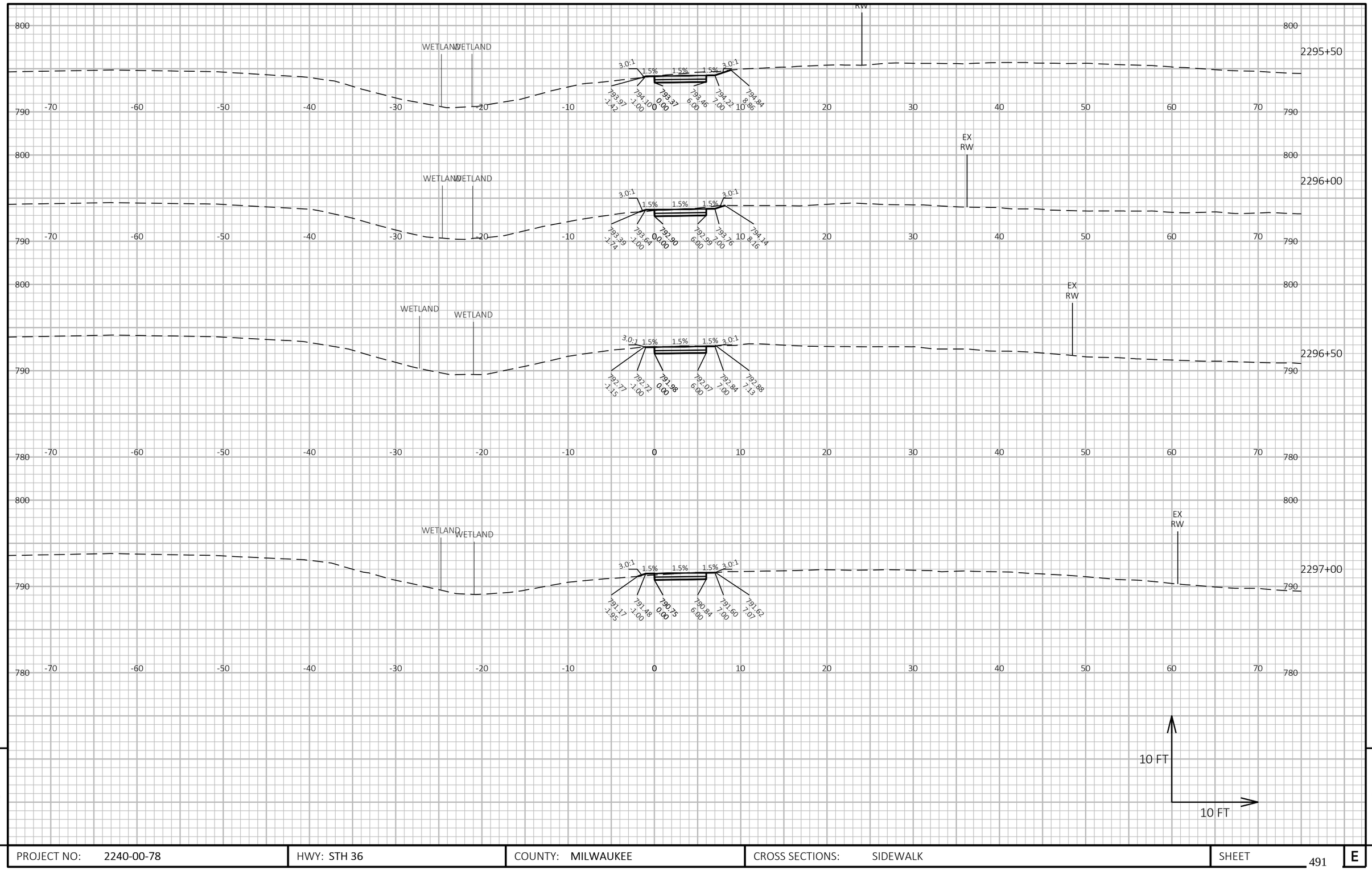
PLOT DATE : 8/30/2023 2:53 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

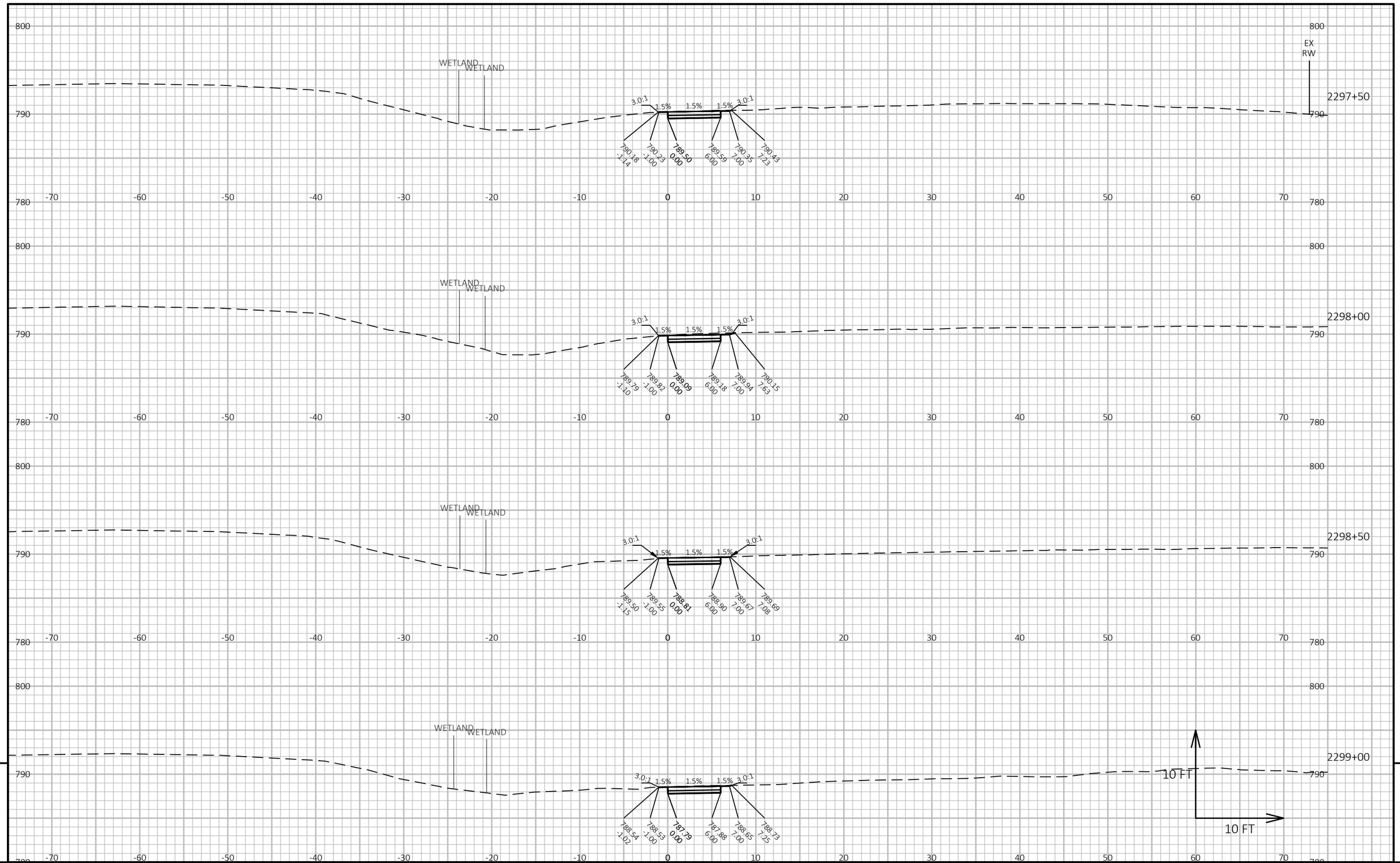
WISDOT/CADDS SHEET 49



PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 491	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090130

PLOT DATE : 8/30/2023 2:53 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



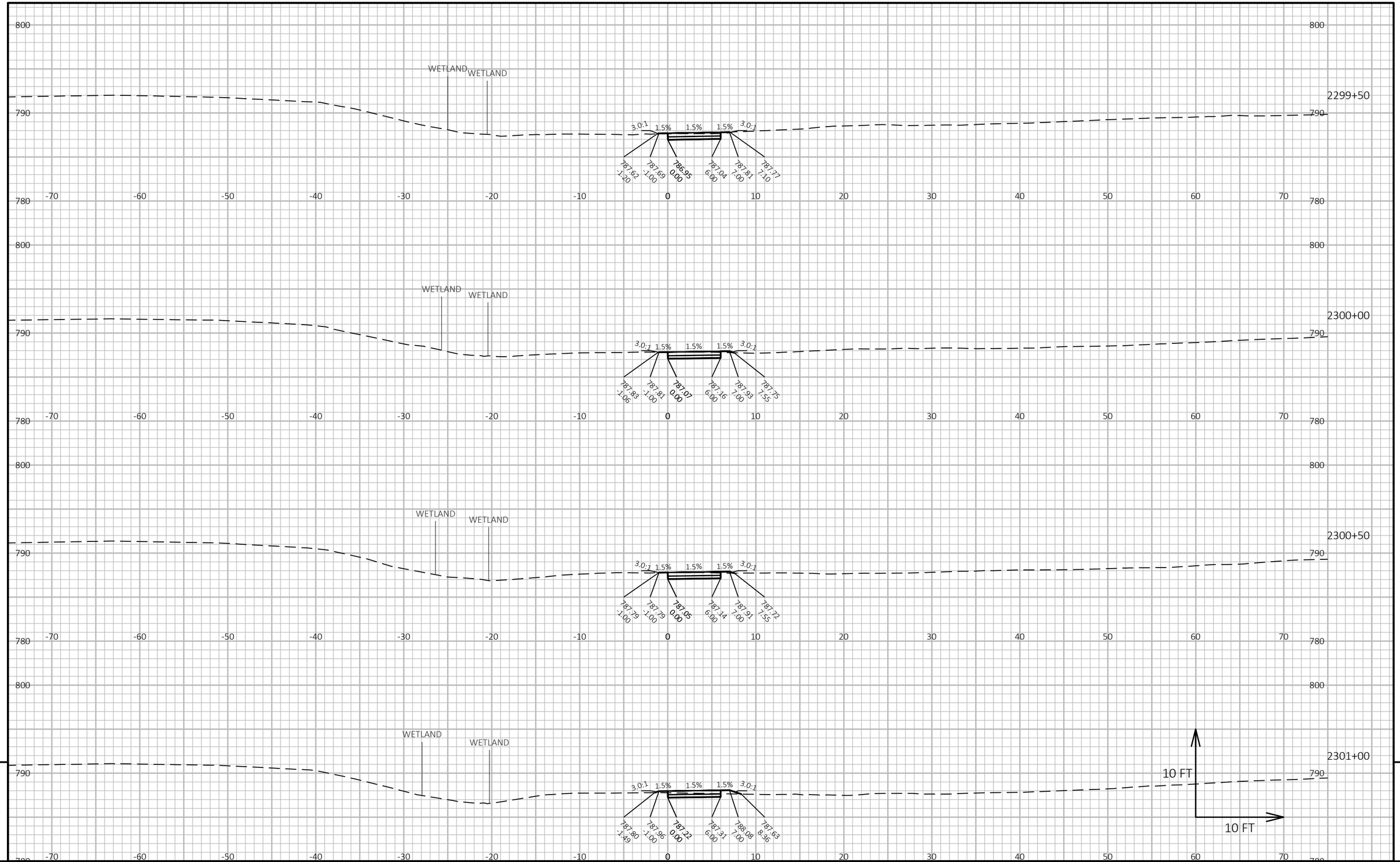
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 492	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090131

PLOT DATE : 8/30/2023 2:53 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 493	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090132

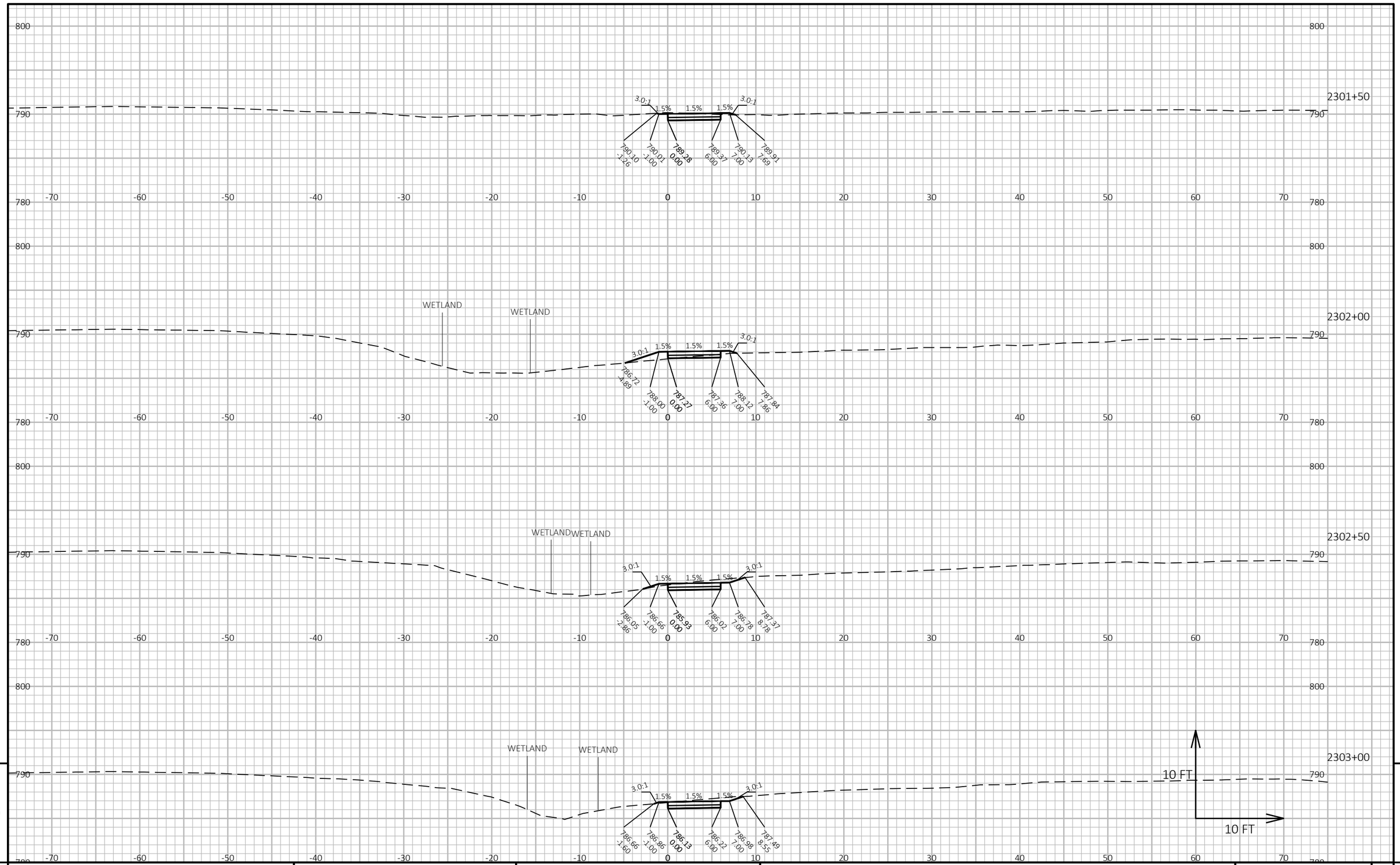
PLOT DATE : 8/30/2023 2:54 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



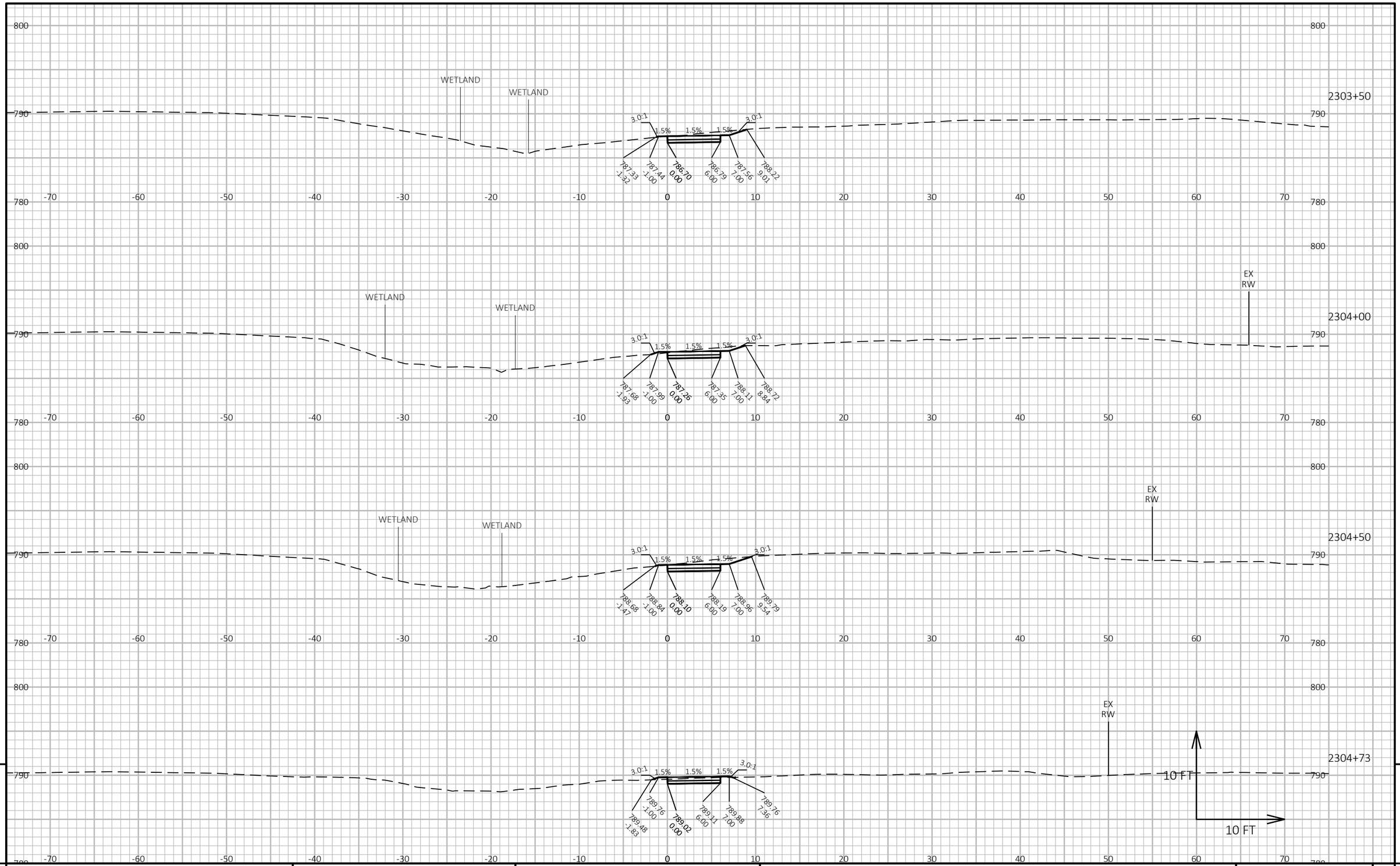
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 494	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090133

PLOT DATE : 8/30/2023 2:54 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



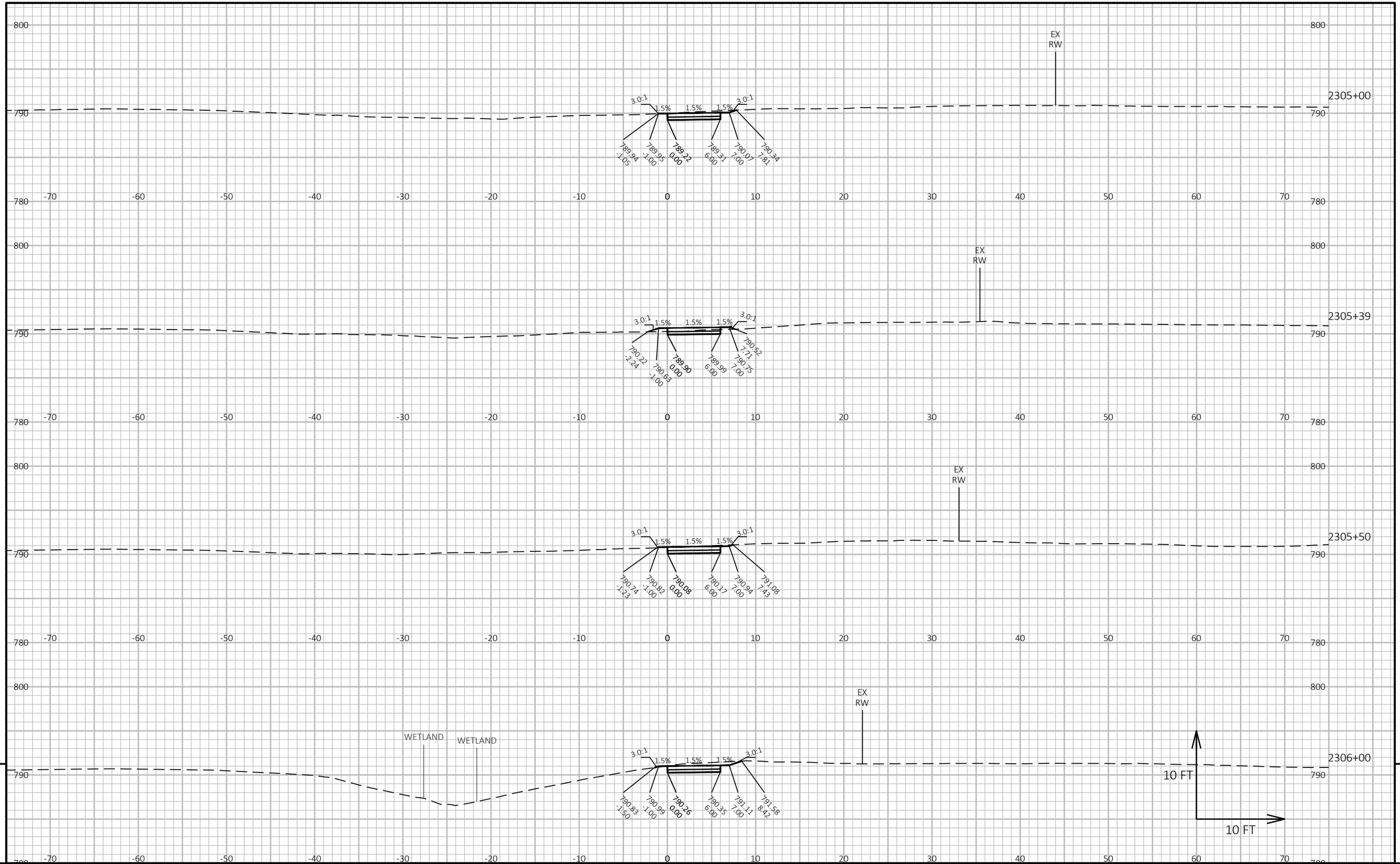
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 495	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090134

PLOT DATE : 8/30/2023 2:54 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

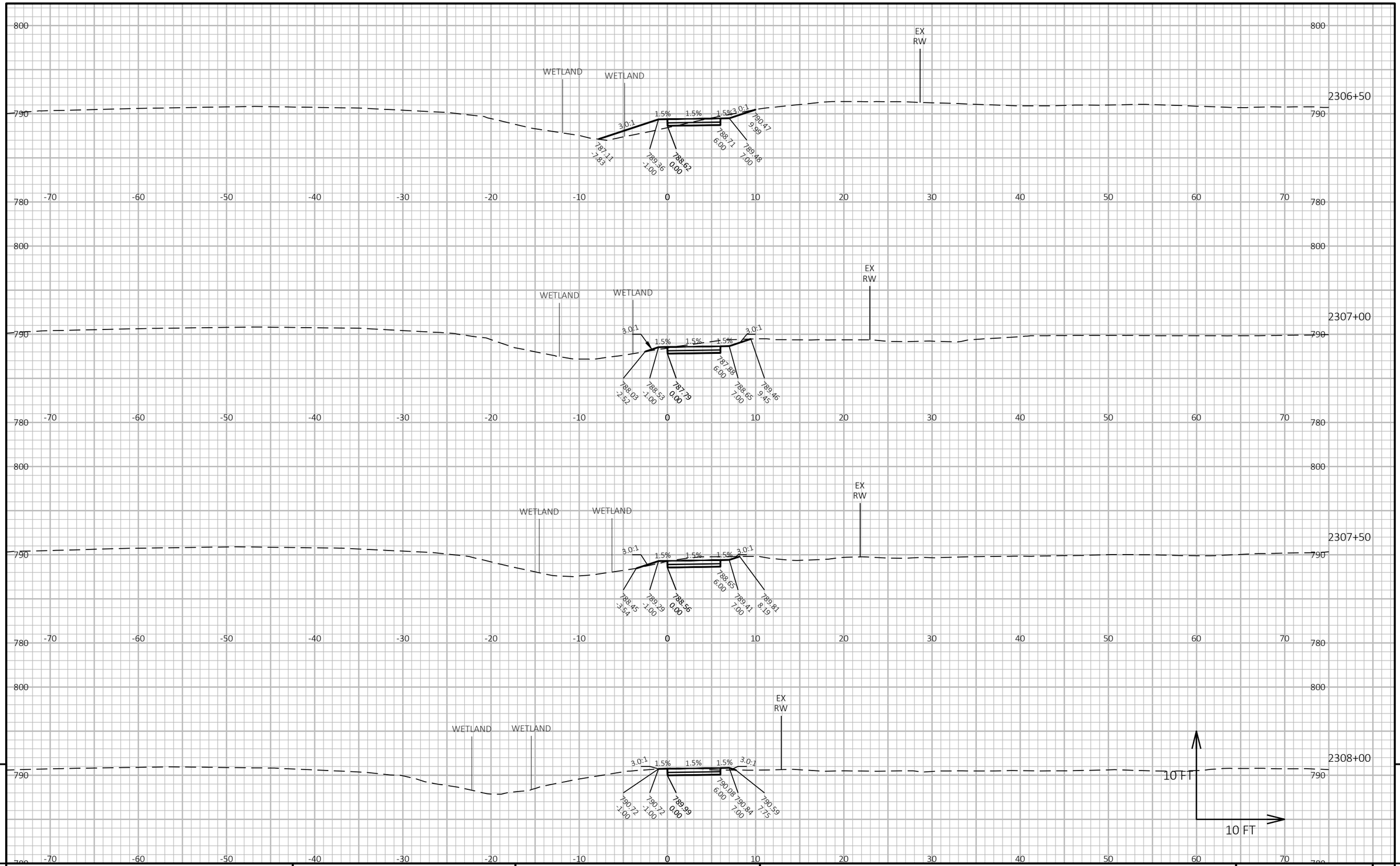


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 496	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090135

PLOT DATE : 8/30/2023 2:54 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



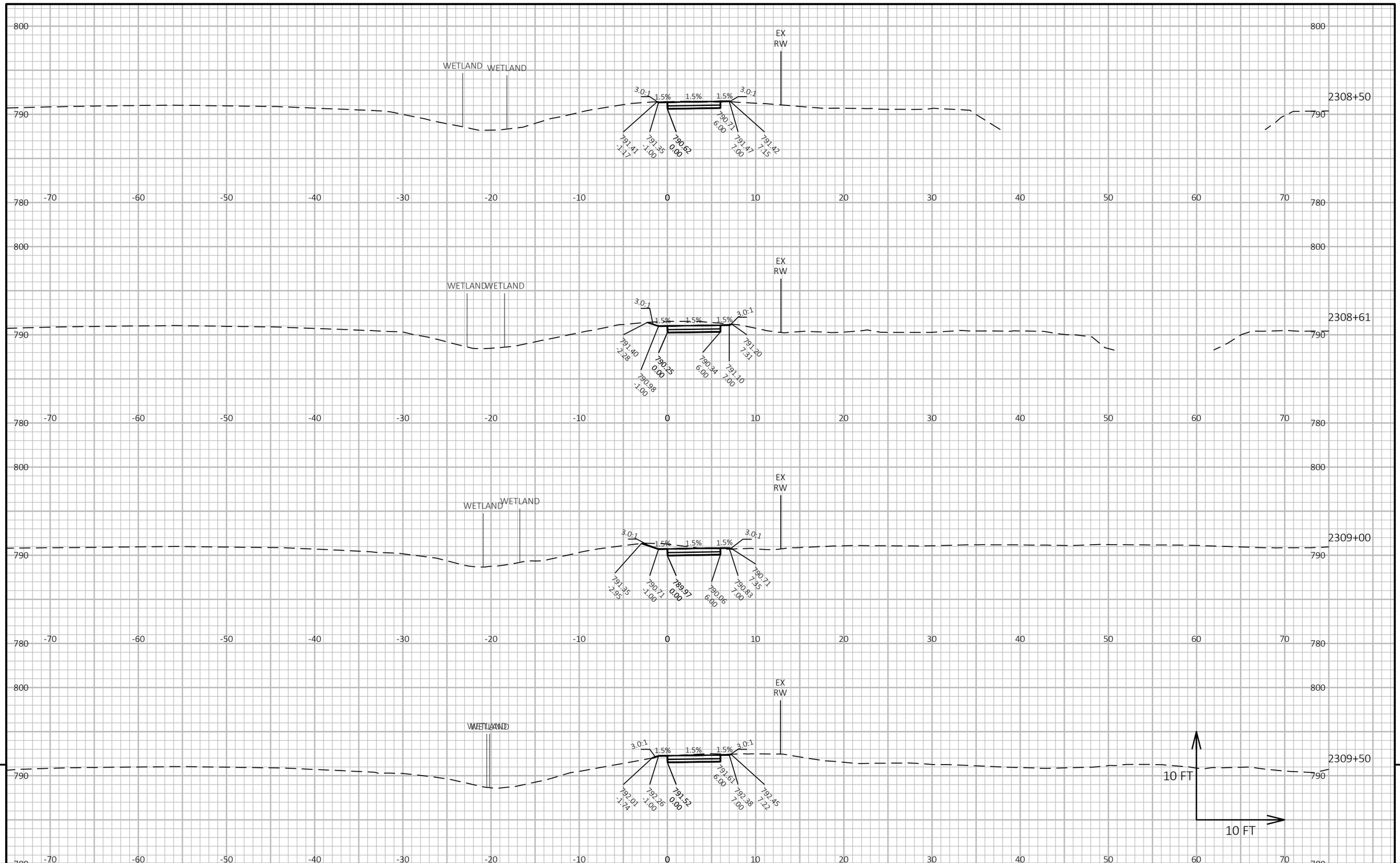
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 497	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090136

PLOT DATE : 8/30/2023 2:54 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 498	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090137

PLOT DATE : 8/30/2023 2:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

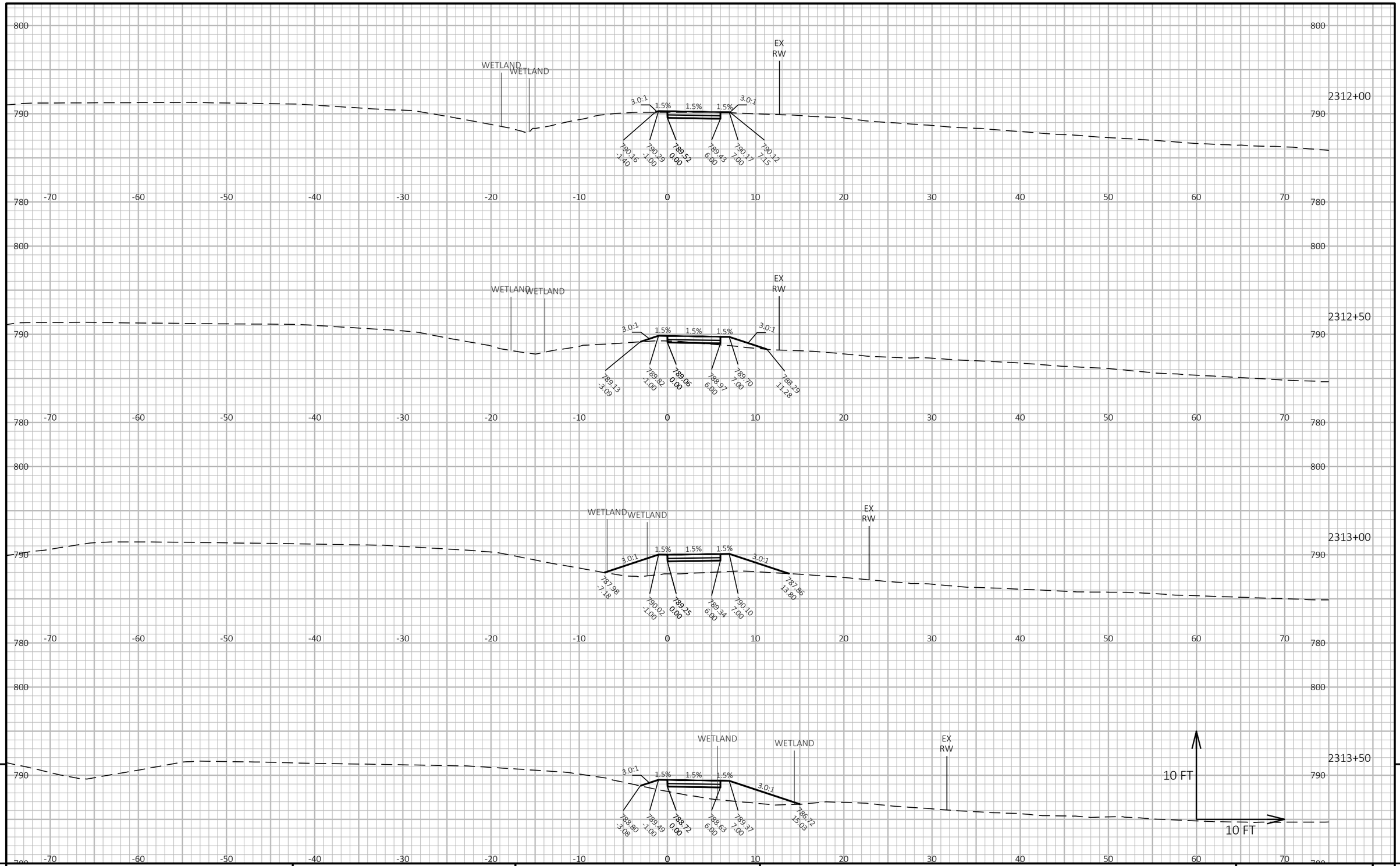
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 499	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090138

PLOT DATE : 8/30/2023 2:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



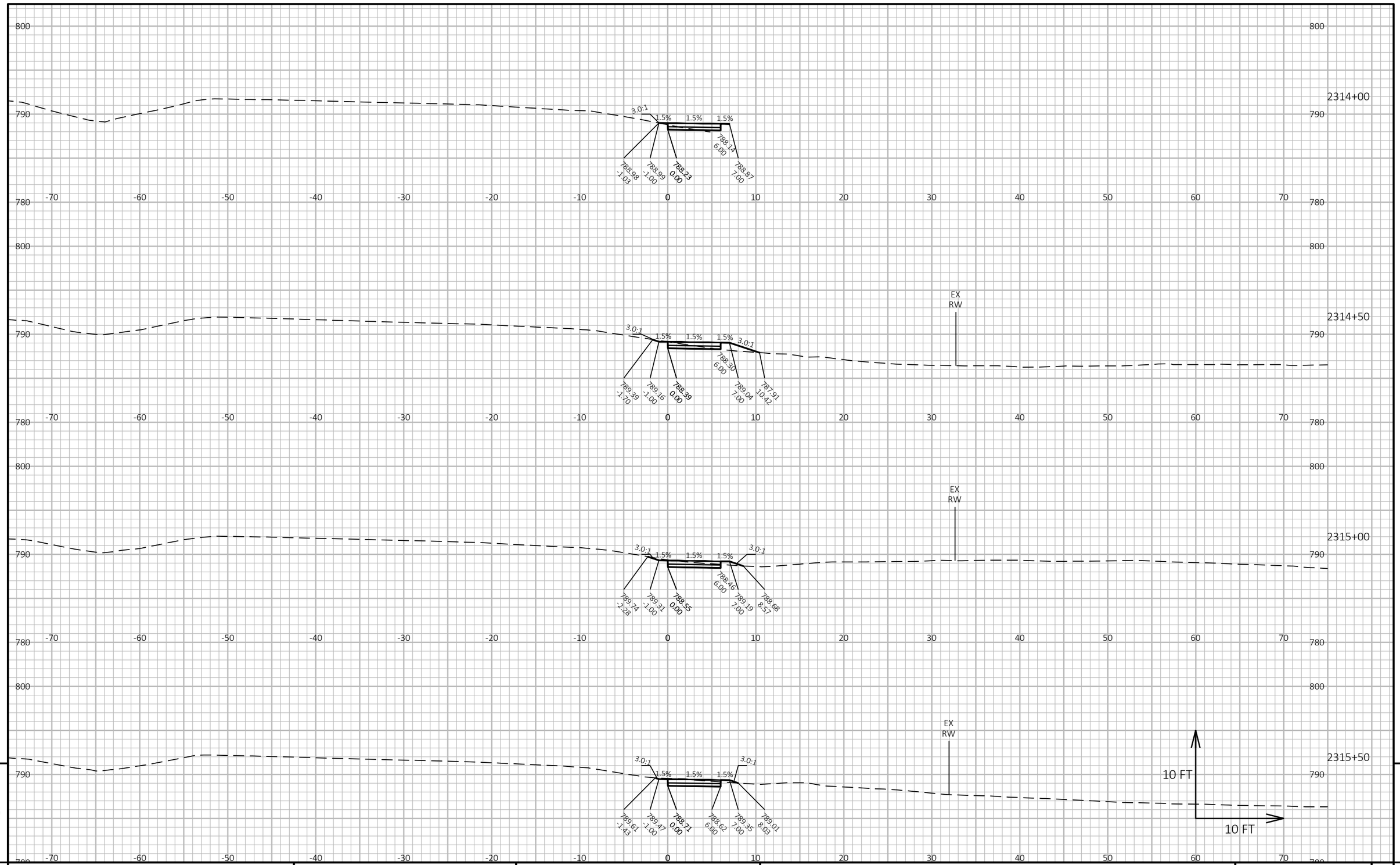
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 500	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090139

PLOT DATE : 8/30/2023 2:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 501	E

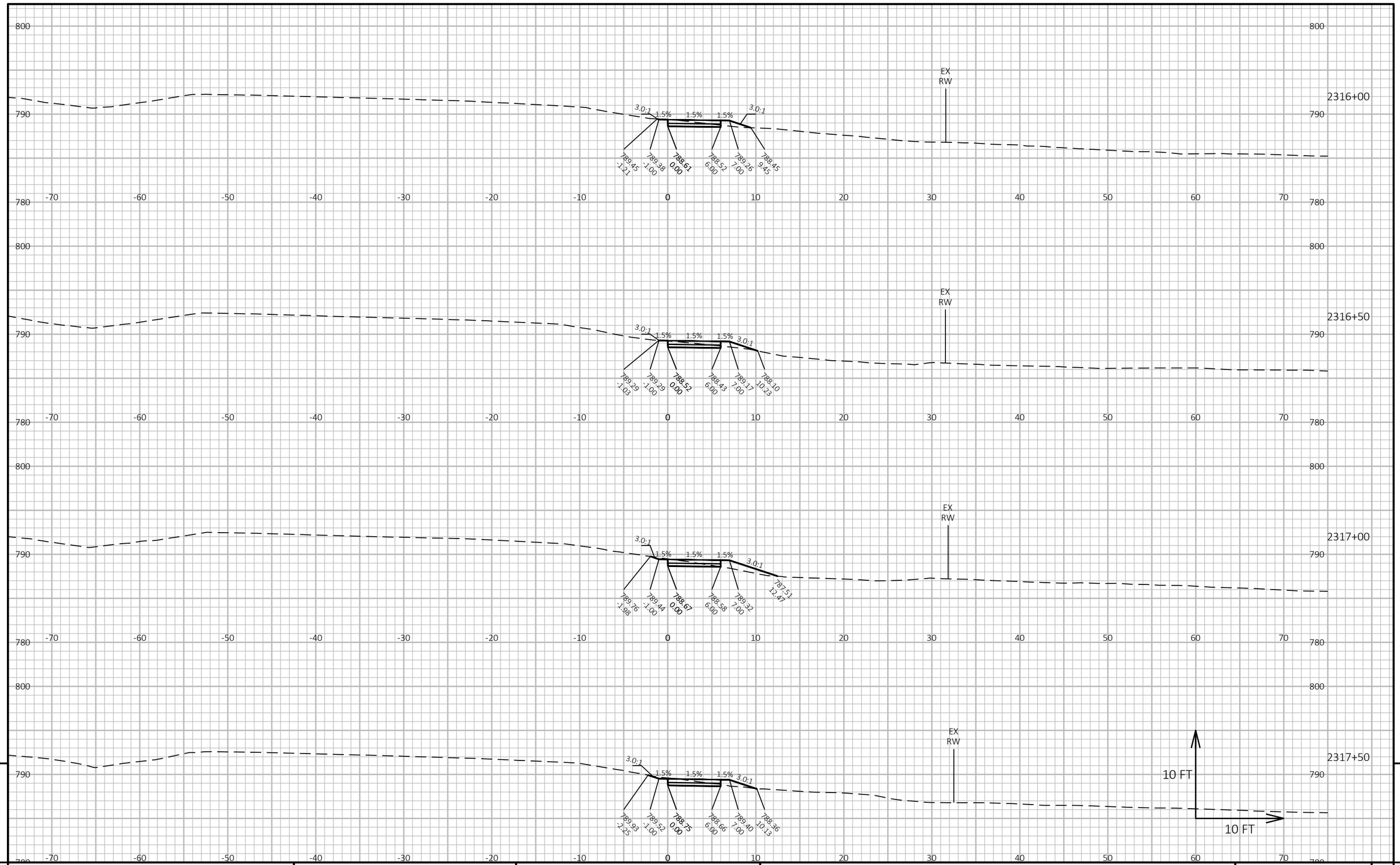
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090140

PLOT DATE : 8/30/2023 2:55 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



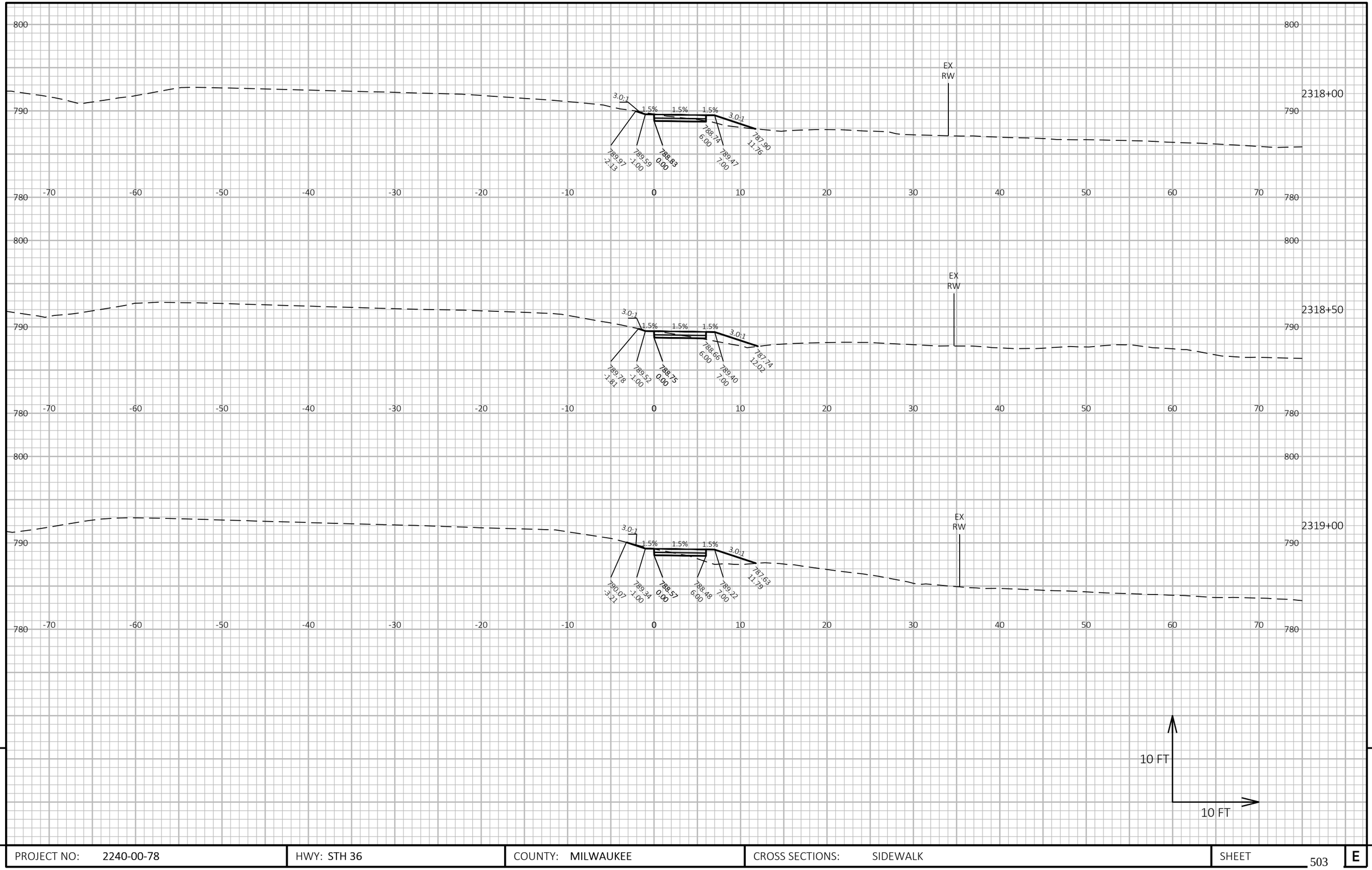
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 502	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090141

PLOT DATE : 8/30/2023 2:55 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

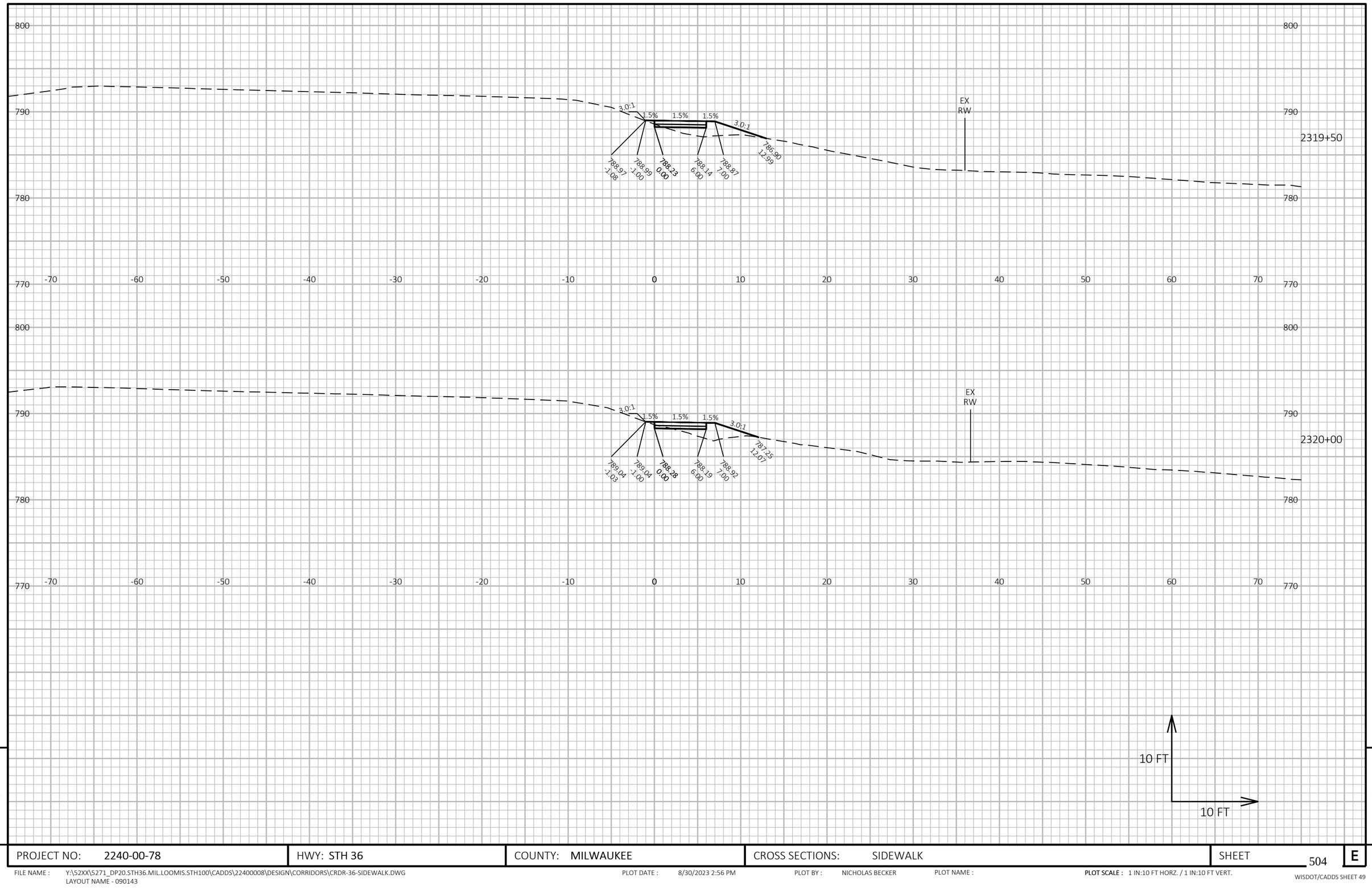


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 503	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090142

PLOT DATE : 8/30/2023 2:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

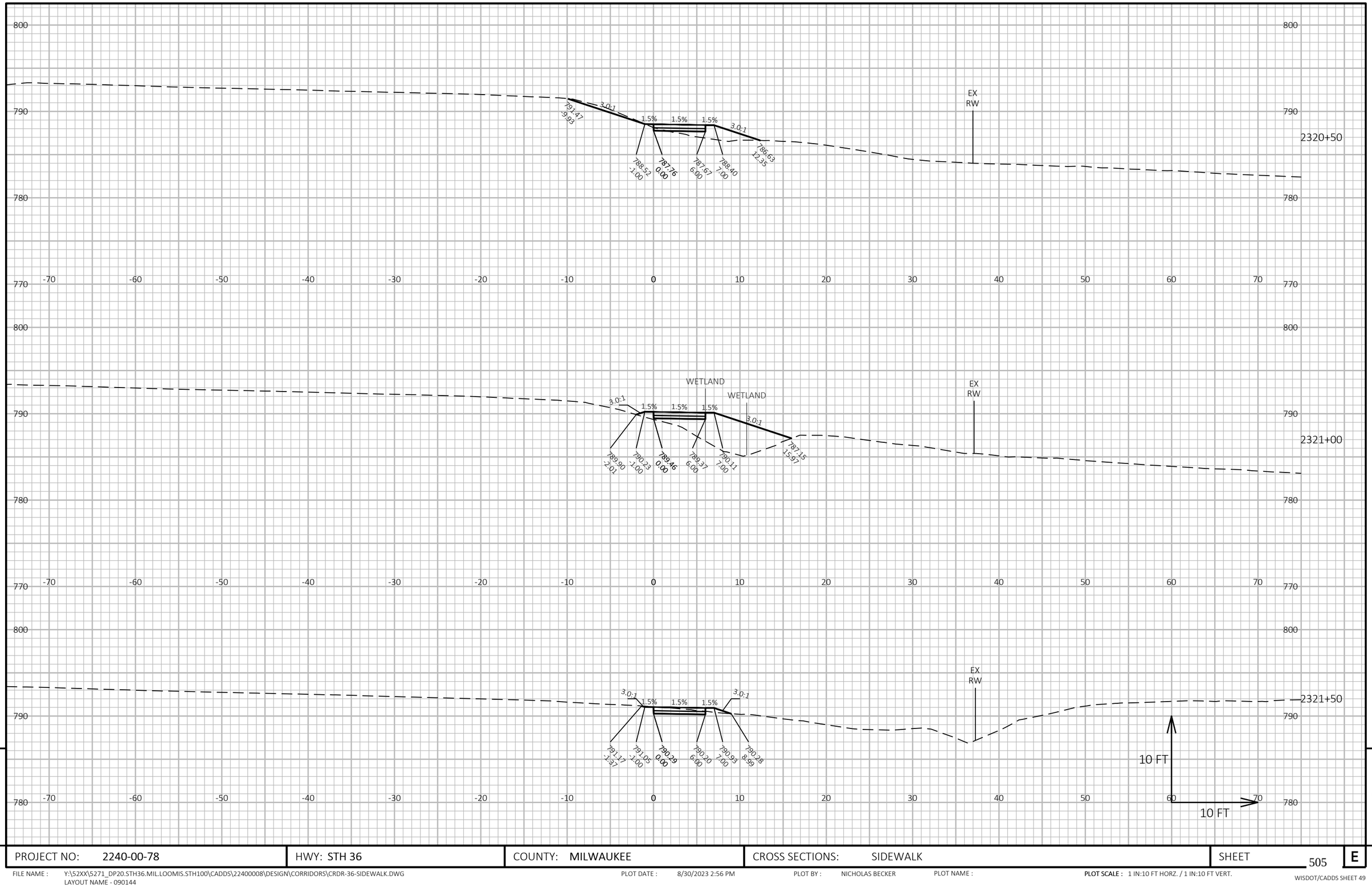


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 504	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090143

PLOT DATE : 8/30/2023 2:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 505	E

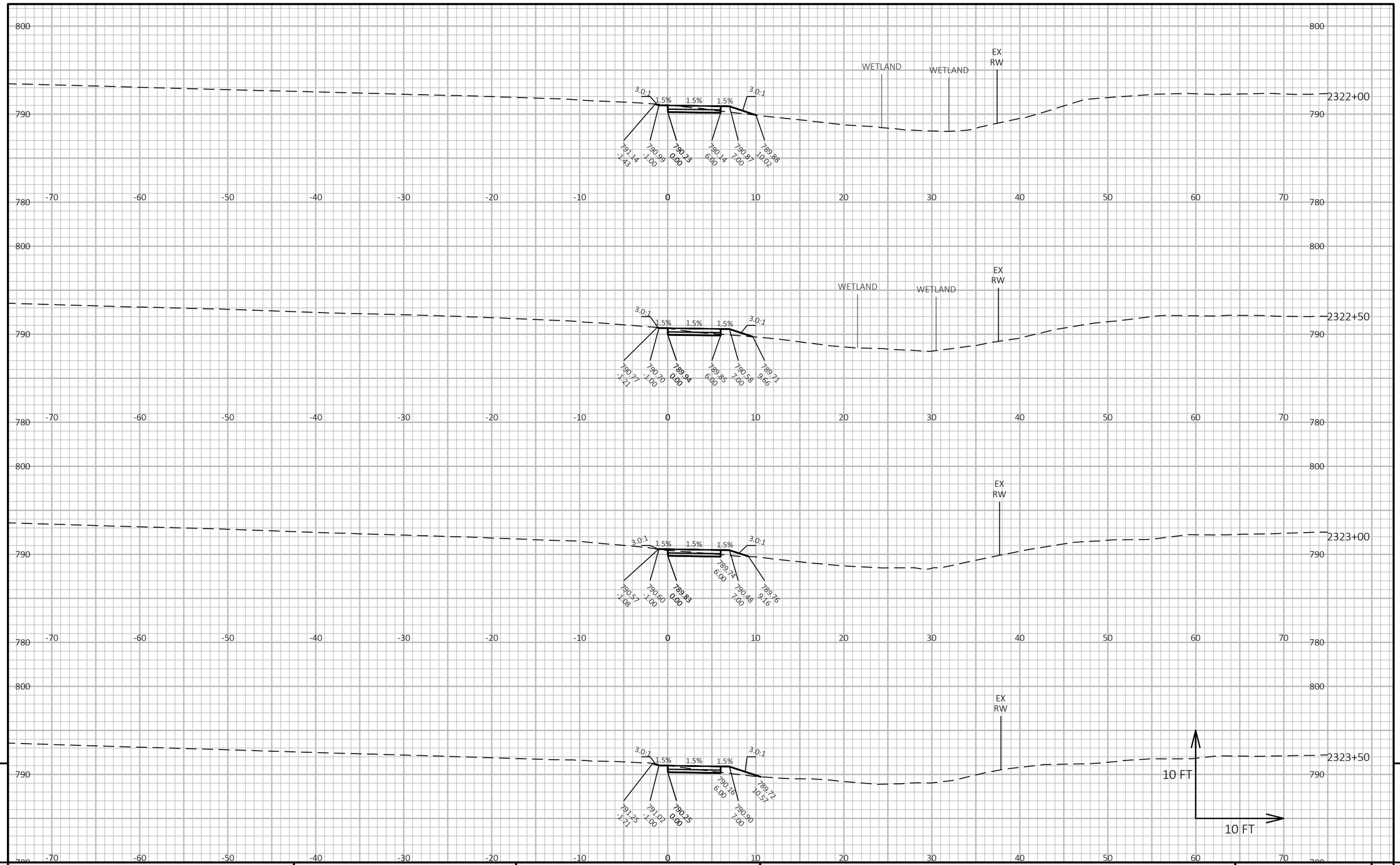
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\2240008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090144

PLOT DATE : 8/30/2023 2:56 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



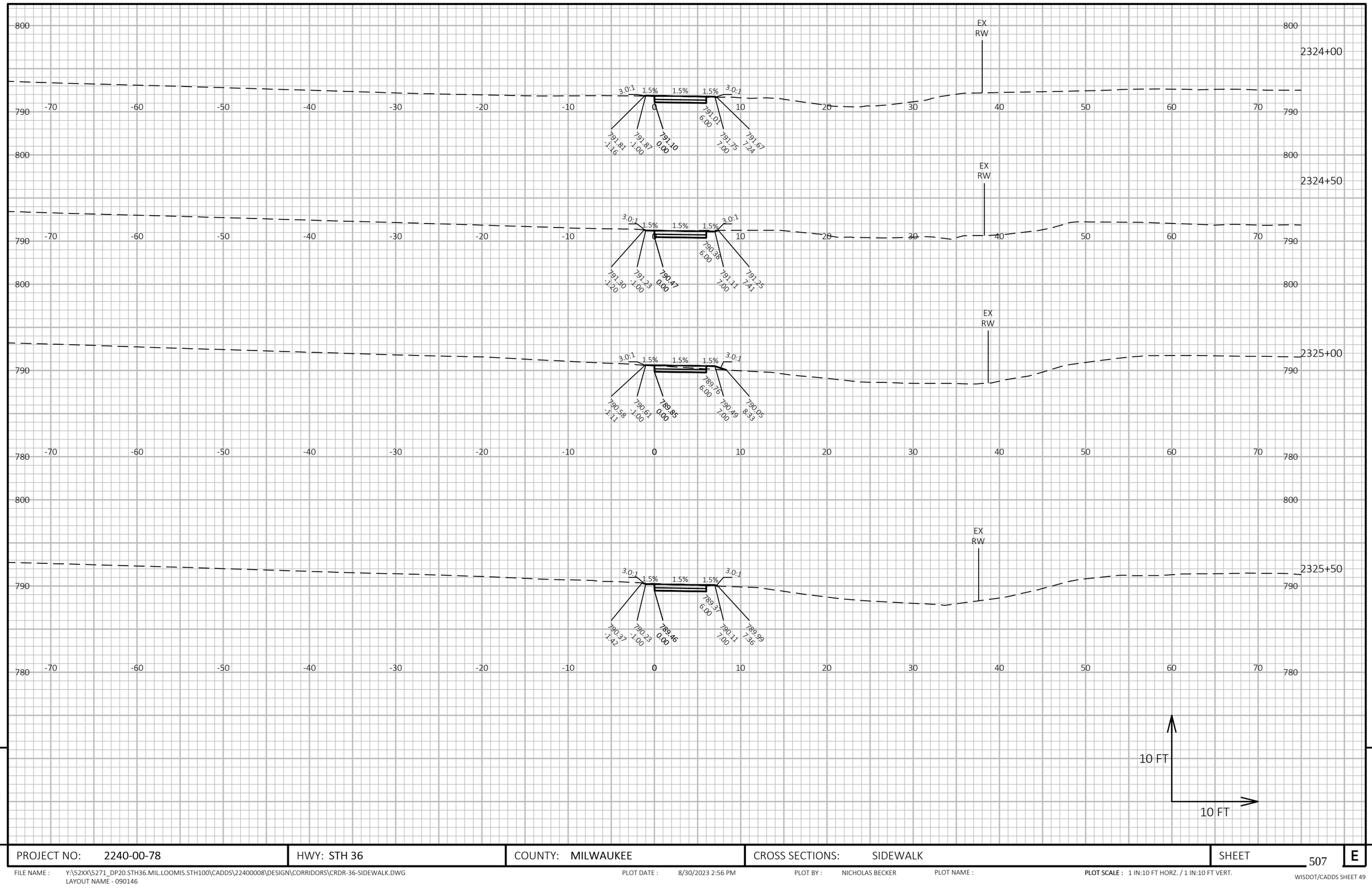
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 506	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090145

PLOT DATE : 8/30/2023 2:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

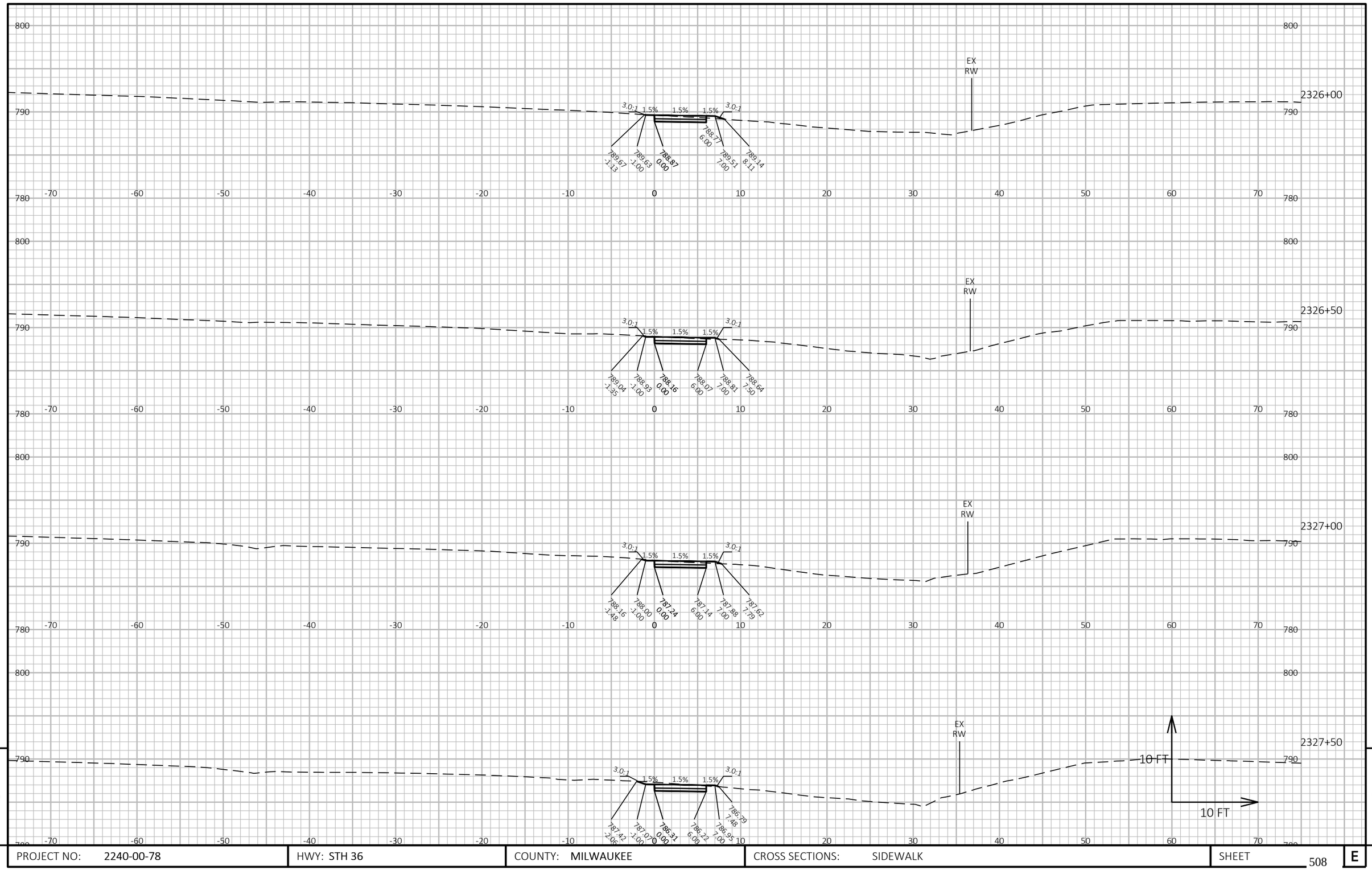


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 507	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090146

PLOT DATE : 8/30/2023 2:56 PM PLOT BY : NICHOLAS BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 508	E

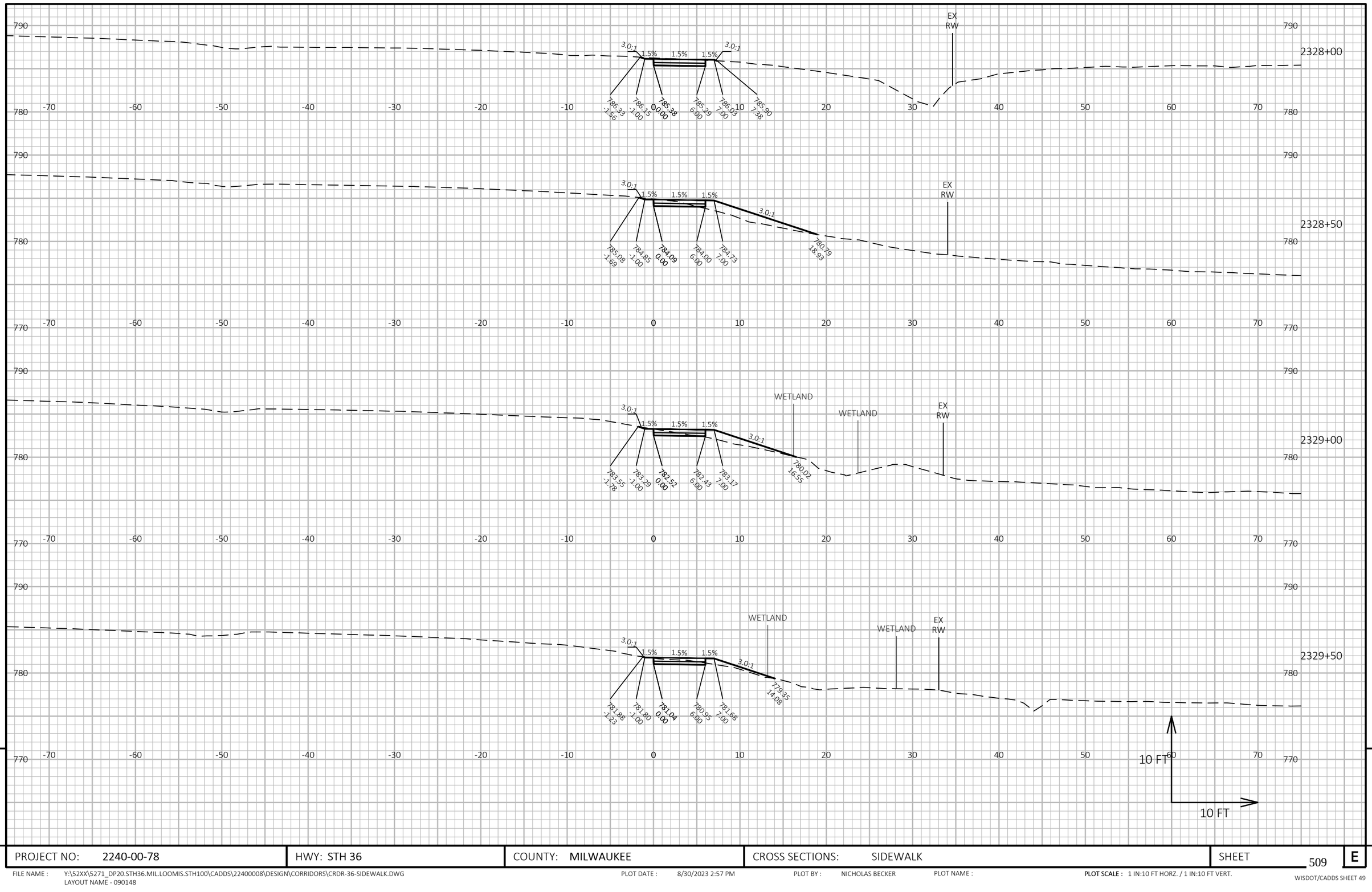
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090147

PLOT DATE : 8/30/2023 2:56 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

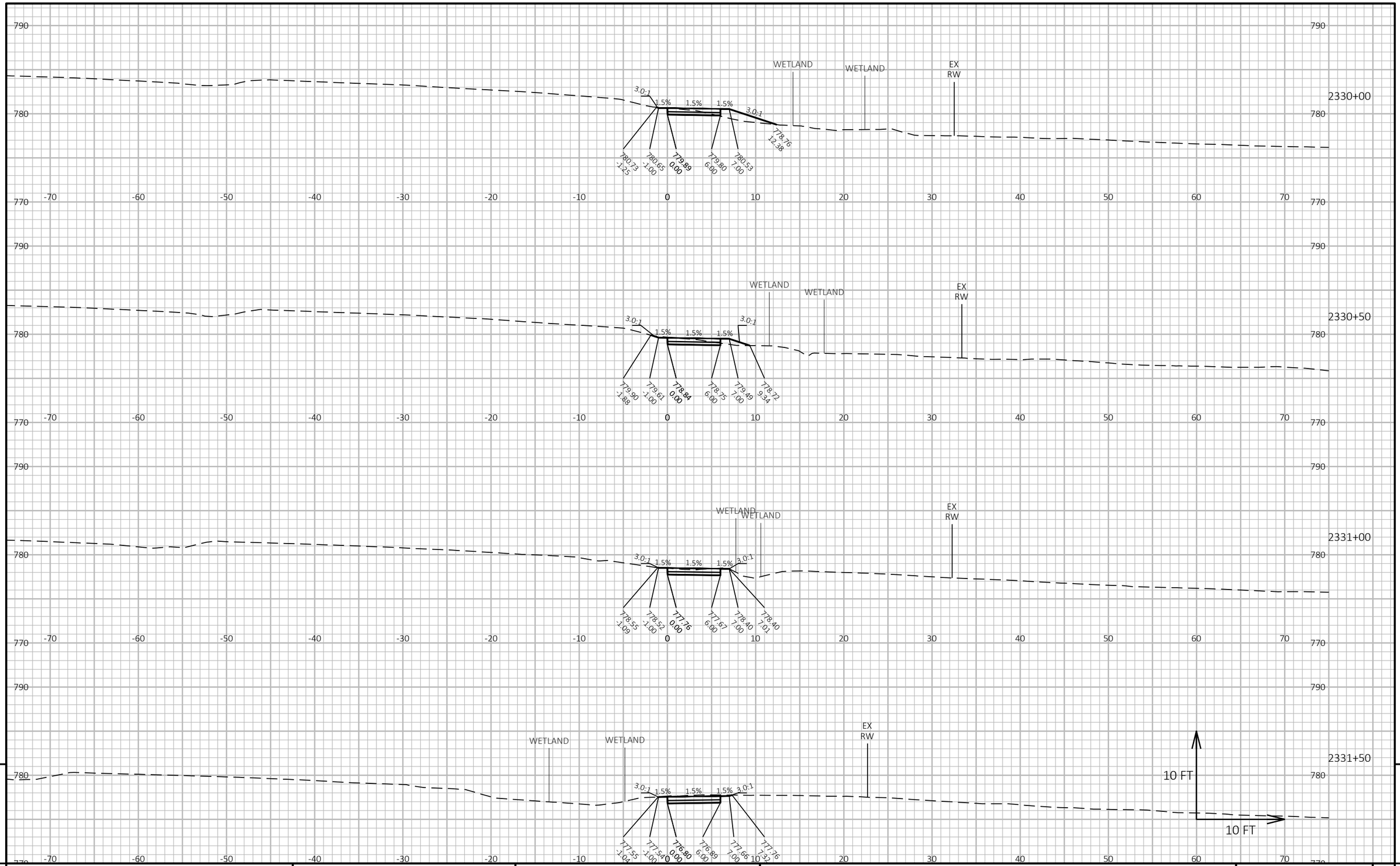


PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 509 E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090148

PLOT DATE : 8/30/2023 2:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 510	E

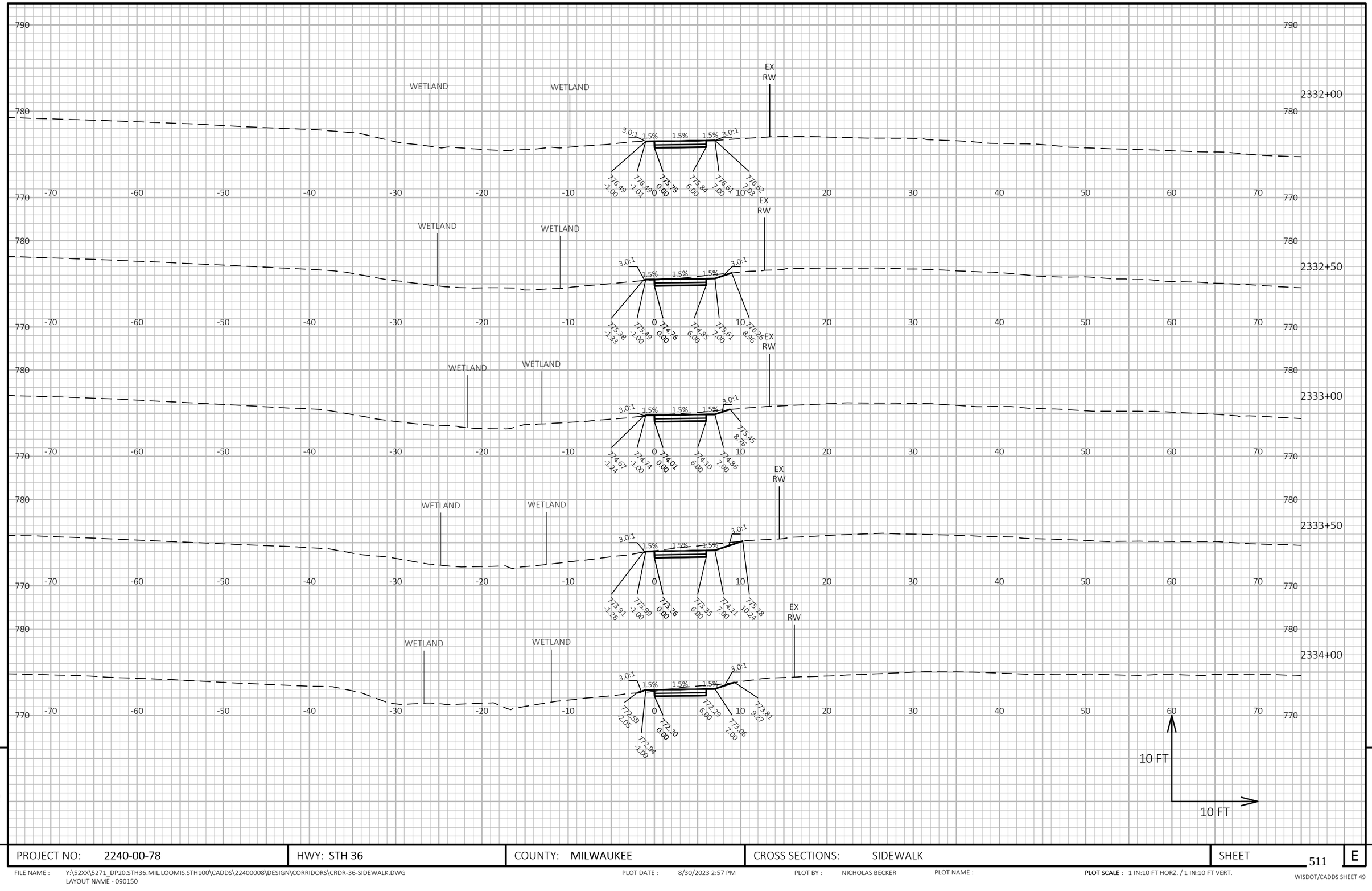
FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090149

PLOT DATE : 8/30/2023 2:57 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



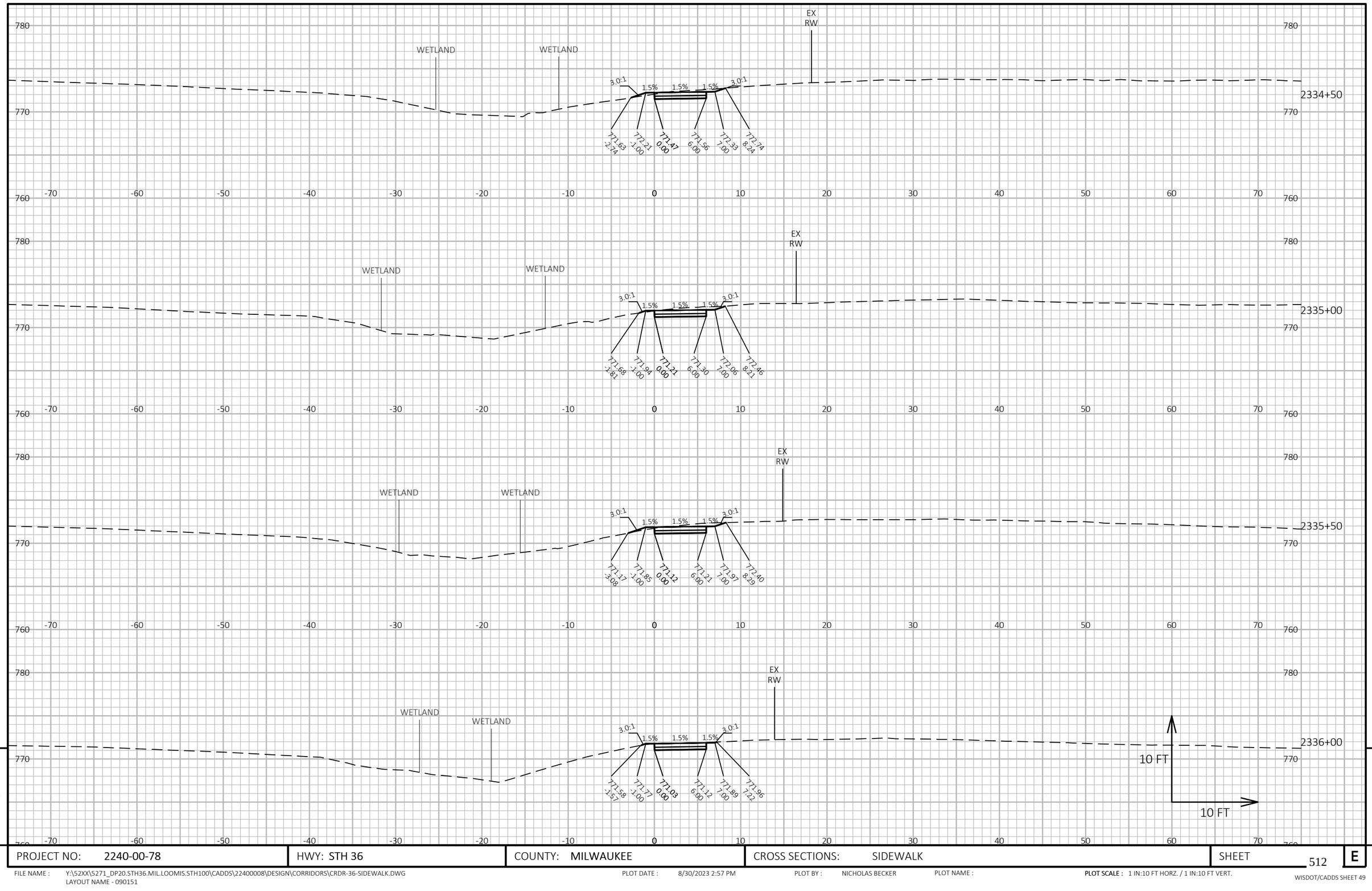
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 511	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090150

PLOT DATE : 8/30/2023 2:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



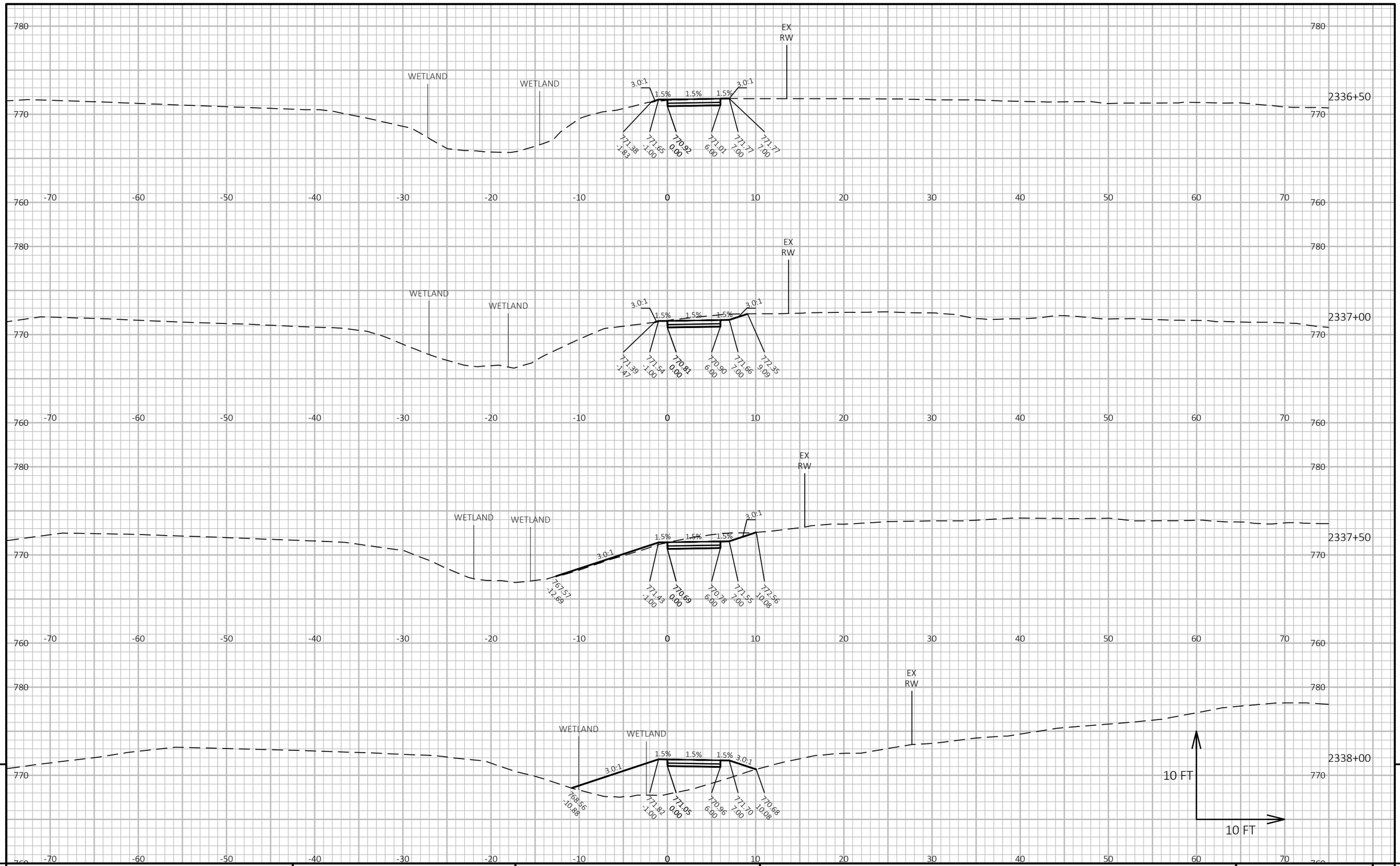
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 512	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090151

PLOT DATE : 8/30/2023 2:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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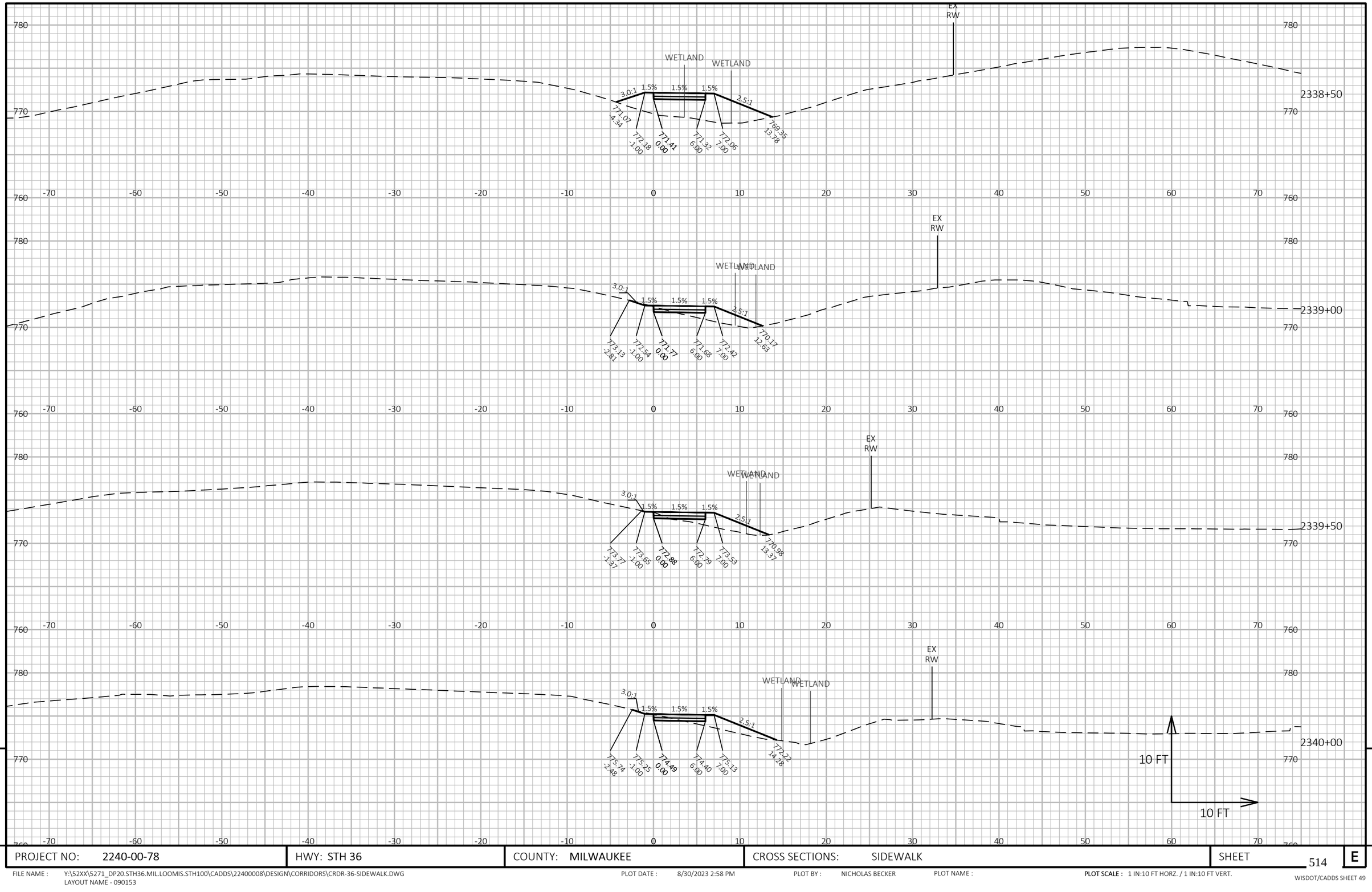
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 513	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090152

PLOT DATE : 8/30/2023 2:57 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 514	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090153

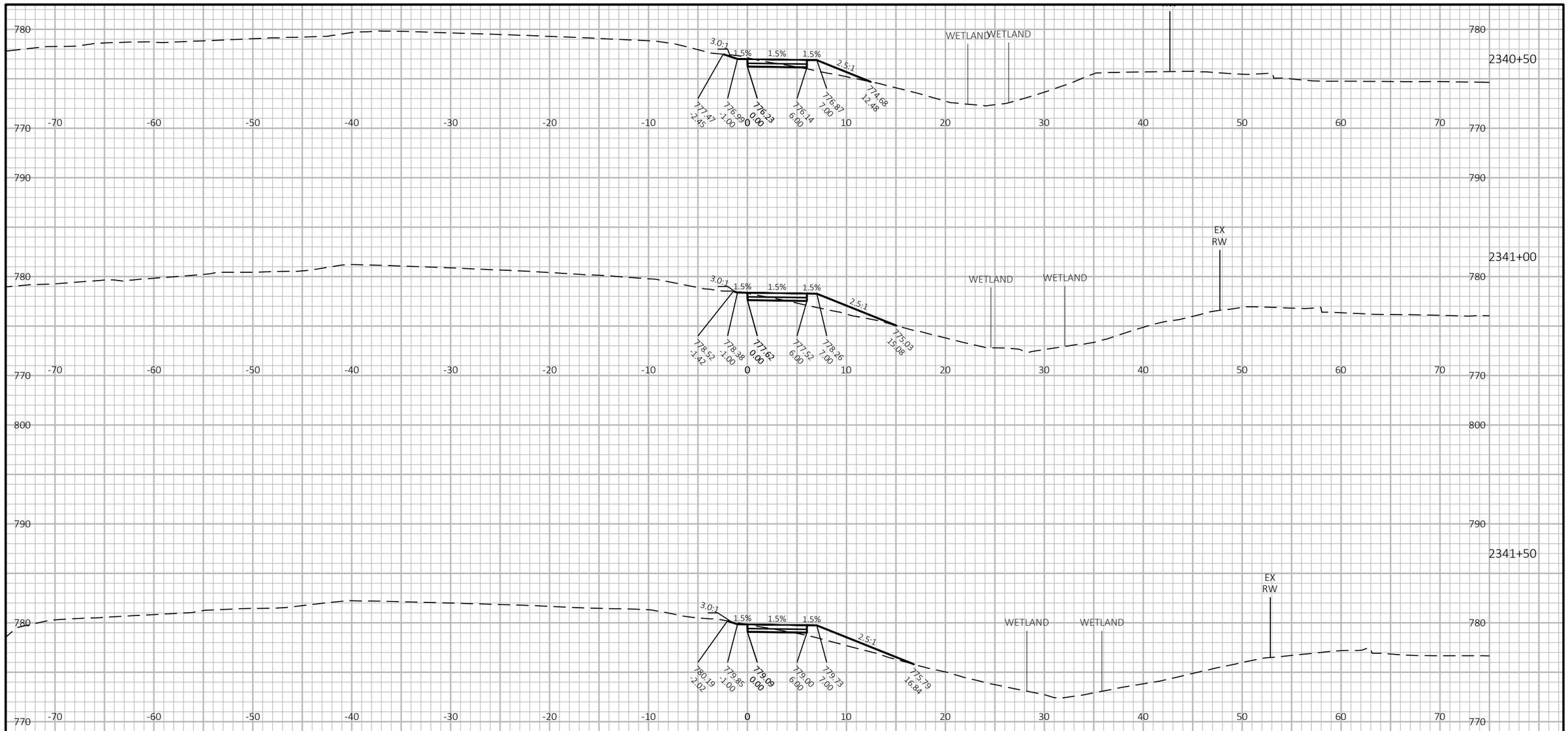
PLOT DATE : 8/30/2023 2:58 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



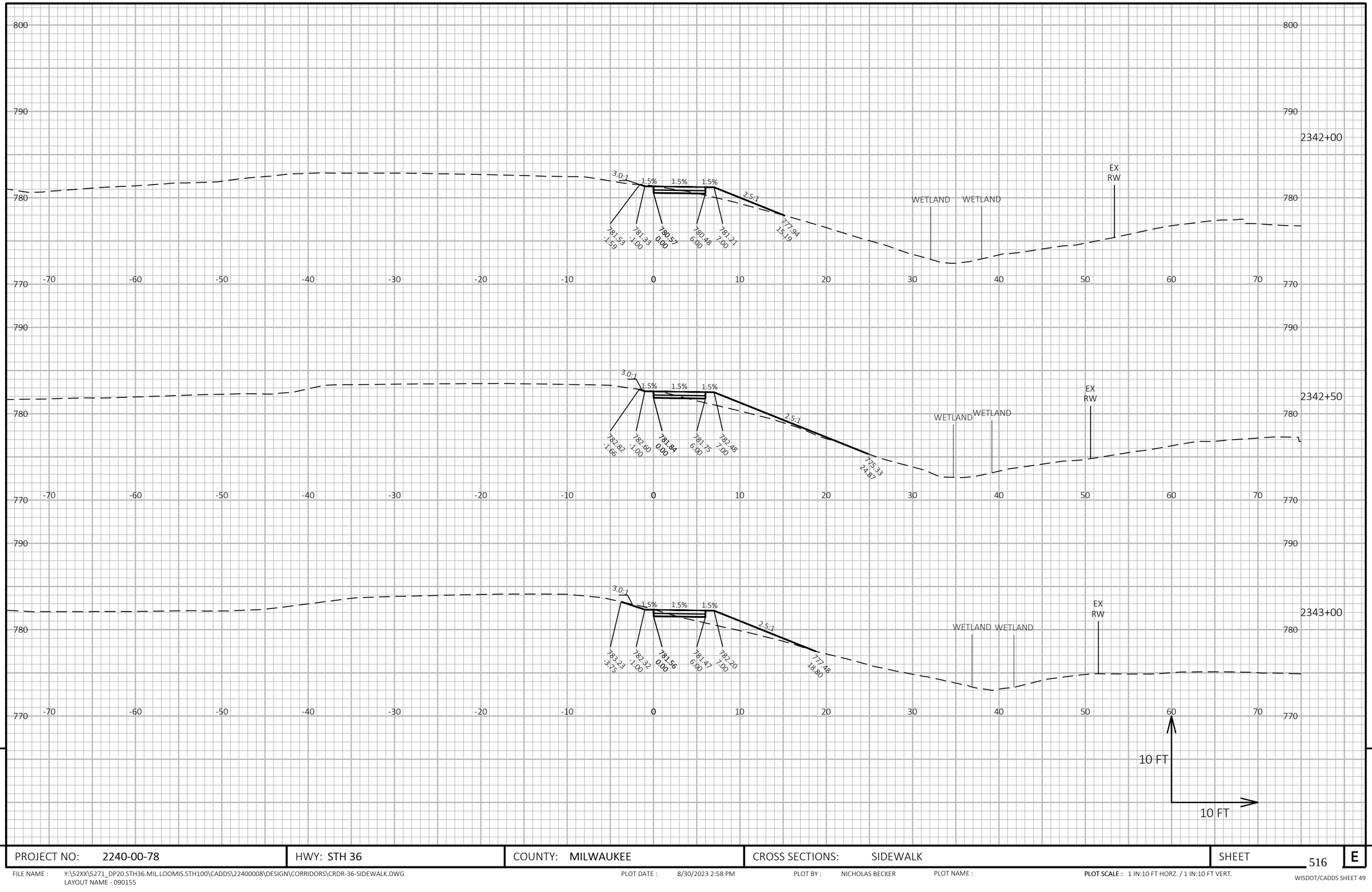
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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 515	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090154

PLOT DATE : 8/30/2023 2:58 PM PLOT BY : NICHOLAS BECKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 2240-00-78	HWY: STH 36	COUNTY: MILWAUKEE	CROSS SECTIONS: SIDEWALK	SHEET 516	E

FILE NAME : Y:\52XX\5271_DP20.STH36.MIL.LOOMIS.STH100\CADDS\22400008\DESIGN\CORRIDORS\CRDR-36-SIDEWALK.DWG
LAYOUT NAME - 090155

PLOT DATE : 8/30/2023 2:58 PM

PLOT BY : NICHOLAS BECKER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

Wisconsin Department of Transportation

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