GRE

NOVEMBER 2023

PROJECT ID: 1120-57-60

WITH: 1517-14-71

COUNTY: WINNEBAGO

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 640



21

DESIGN DESIGNATION

A.A.D.T.	2025	=	92,340
A.A.D.T.	2045	=	97,150
D.H.V.		=	11,658
D.D.		=	50/50
T.		=	13.1%
DESIGN SPEED		=	75 mph
ESALS		=	14,530,000

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
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

- ELECTRIC
- FIBER OPTIC
- GAS
- SANITARY SEWER
- STORM SEWER
- TELEPHONE
- WATER
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NEENAH - APPLETON

BREEZEWOOD - STH 15

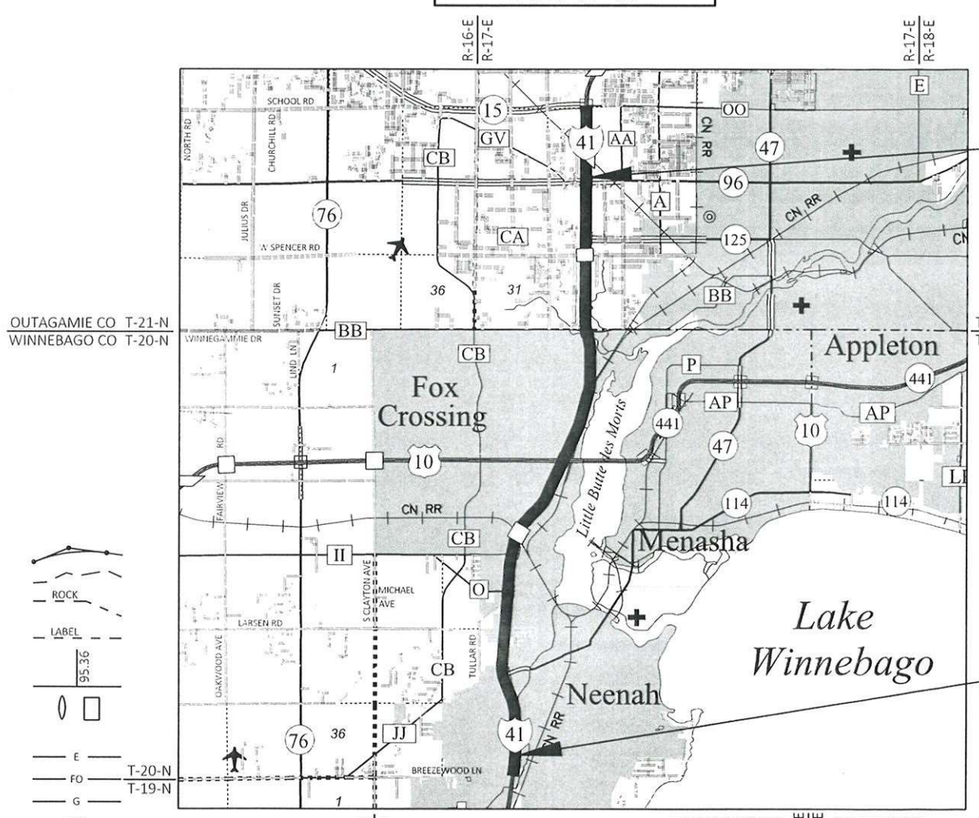
IH 41

WINNEBAGO & OUTAGAMIE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1120-57-60	WISC 2024010	1

STATE PROJECT NUMBER

1120-57-60



OUTAGAMIE CO T-21-N
WINNEBAGO CO T-20-N

T-21-N OUTAGAMIE CO
T-20-N CALUMET CO

T-20-N
T-19-N

WINNEBAGO CO CALUMET CO

R-16-E R-17-E

R-17-E R-18-E

END PROJECT
STA 1536'NB'+89.00
Y = 566,477.311
X = 811,858.093

BEGIN PROJECT
STA 1119'NB'+00.00
Y = 526,323.658
X = 806,938.438

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 7.915 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINEBAGO & OUTAGAMIE COUNTIES, NAD83 (2012), 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 (2021). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY
STRAND ASSOCIATES, INC.
STRAND ASSOCIATES®

WISCONSIN
SARA J. GRIMME
E-36643
VERONA
WI
PROFESSIONAL ENGINEER

DATE: 5-23-2023 Sara J Grimme (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	WISDOT/STRAND
Project Manager	W. BERTRAND
Regional Examiner	WISDOT NE REGION
Regional Supervisor	T. RABE

APPROVED FOR THE DEPARTMENT

DATE: 5/24/2023 William R Bertrand (Signature)

E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 5/23/2023 1:35 PM

PLOT BY : GRIMME, SARA

PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN ON THE PLANS.

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

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

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS - GUARDRAIL
EROSION CONTROL
STORM SEWER
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS

WISDOT REGION CONTACT

BILL BERTRAND, P.E.
WISDOT NORTHEAST REGION
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 360-3124
WILLIAM.BERTRAND@DOT.WI.GOV

DESIGN CONSULTANT CONTACT

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

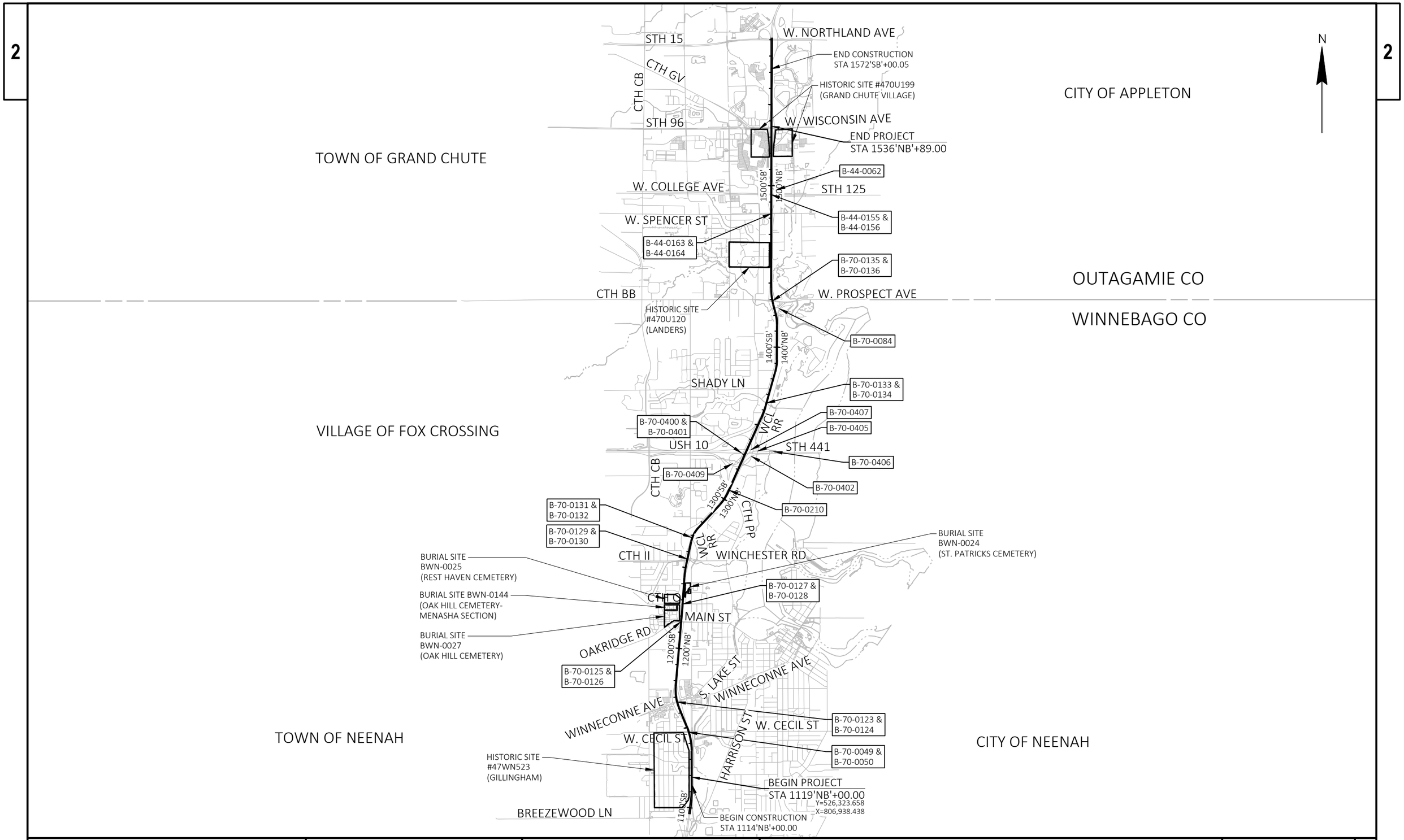
DNR LIAISON

JAY SCHIEFELBEIN
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
NORTHEAST REGION HEADQUARTERS
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
PHONE: (920) 360-3784
JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

UTILITY CONTACTS	CONTACT/ADDRESS	UTILITY TYPE
*ANR PIPELINE CO.	JASON JENSEN 6827 CONSOLIDATED SCHOOL ROAD JANESVILLE, WI 53545 PHONE: (608) 373-6940 MOBILE: (608) 449-4640 JASON_JENSEN@TCENERGY.COM	GAS/PETROLEUM
*ATC MANAGEMENT, INC.	CHRIS DAILEY P.O. BOX 47 WAUKESHA, WI 53187 PHONE: (262) 506-6884 CDAILEY@ATCLLC.COM	ELECTRICITY
*AT&T LOCAL NETWORK	TIM LAPOINTE 1301 FANNIN STREET STE 1290 HOUSTON, TX 77002 PHONE: (281) 352-3631 TL0695@ATT.COM	COMMUNICATIONS
*AT&T WISCONSIN	KYLE WEBER 221 W. WASHINGTON STREET APPLETON, WI 54914 MOBILE: (920) 221-5969 KW715W@ATT.COM	COMMUNICATIONS
*FOX CROSSING UTILITIES - SEWER	DAVID TRACEY 2340 AMERICAN DRIVE NEENAH, WI 54956 PHONE: (920) 720-7175 DTRACEY@FOXCROSSINGWI.GOV	SEWER
*FOX CROSSING UTILITIES - WATER	DAVID TRACEY 2340 AMERICAN DRIVE NEENAH, WI 54956 PHONE: (920) 720-7175 DTRACEY@FOXCROSSINGWI.GOV	WATER
*LEVEL 3 COMMUNICATIONS LLC	JASON BUSSE 3235 INTERTECH DRIVE, SUITE 600 BROOKFIELD, WI 53045 PHONE: (414) 224-6713 MOBILE: (715) 415-3214 JASON.BUSSE@LUMEN.COM	COMMUNICATIONS
*NEENAH WATER UTILITY - WATER	ANTHONY L. MACH 211 WALNUT ST. NEENAH, WI 54956 PHONE: (920) 886-6182 MOBILE: (920) 858-6300 AMACH@CI.NEENAH.WI.US	WATER
*NET LEC LLC	RICK VINCENT 470 SECURITY BLVD. GREEN BAY, WI 54313 PHONE: (920) 617-7316 RICK.VINCENT@NSIGHT.COM	COMMUNICATIONS
*SPECTRUM	VINCE ALBIN 3520 DESTINATION DRIVE APPLETON, WI 54915 PHONE: (920) 831-9249 MOBILE: (920) 378-0444 VINCE.ALBIN@CHARTER.COM	COMMUNICATIONS
*SPRINT COMMUNICATIONS CO. LP	DAN HILLIARD 849 EARL STREET ST. PAUL, MN 55106 MOBILE: (612) 217-3526 DAN.J.HILLIARD@T-MOBILE.COM	COMMUNICATIONS
*TDS METROCOM LLC	JEFF SHAW P.O. BOX 240 202 OGDEN STREET MEDFORD, WI 54451 PHONE: (715) 748-6970 MOBILE: (715) 748-6970 JEFF.SHAW@TDSTELECOM.COM	COMMUNICATIONS
*US SIGNAL COMPANY LLC	BRUCE ROBBINS 1806 HAGEMANN DR. BATAVIA, IL 60510 PHONE: (630) 454-8070 MOBILE: (224) 523-2644 BROBBINS@TKNS.NET	COMMUNICATIONS
*WE ENERGIES - ELECTRIC	REIJO MURTO 800 S. LYNNDALE DRIVE APPLETON, WI 54914 PHONE: (920) 380-3369 MOBILE: (920) 858-6254 REIJO.MURTO@WE-ENERGIES.COM	ELECTRICITY
*WE ENERGIES - GAS/PETROLEUM	CODY BECKMAN 800 S. LYNNDALE DRIVE APPLETON, WI 54914 PHONE: (920) 380-3422 MOBILE: (920) 428-1038 CODY.BECKMAN@WE-ENERGIES.COM	GAS/PETROLEUM
*WINDSTREAM KDL, LLC	LORI KETTER 314 N. DANZ AVENUE GREEN BAY, WI 54302-3526 MOBILE: (920) 410-6902 LORI.KETTER@WINDSTREAM.COM	COMMUNICATIONS
*WISCONSIN INDEPENDENT NETWORK, LLC	KEN WHITING 4955 BULLIS FARM ROAD EAU CLAIRE, WI 54701 PHONE: (866) 206-2027 MOBILE: (920) 376-2996 KEN.WHITING@WINTECHNOLOGY.COM	COMMUNICATIONS

* DENOTES DIGGERS HOTLINE MEMBER

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



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	PROJECT OVERVIEW	SHEET 3	E

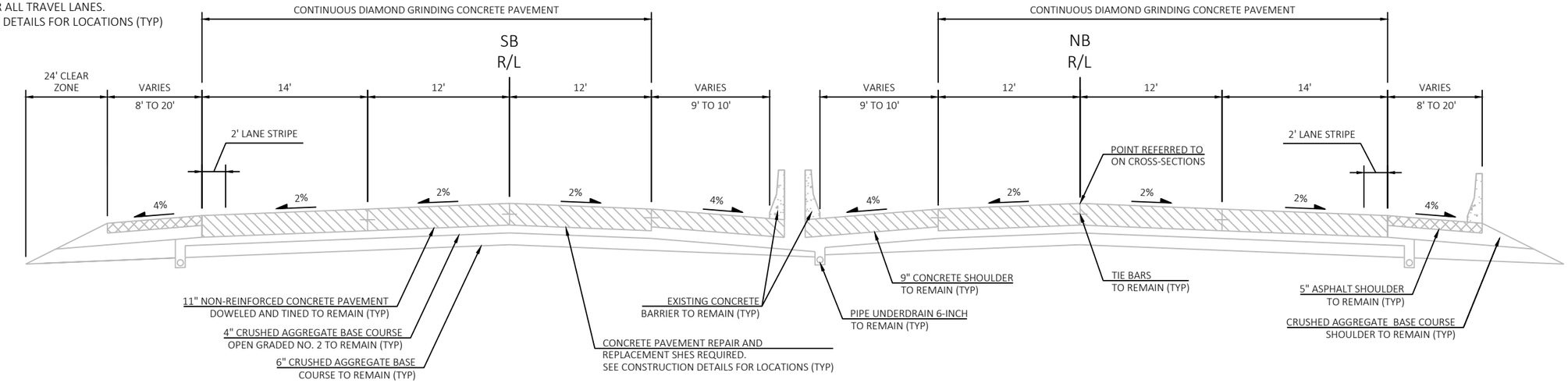
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 5/23/2023 2:27 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:1 MI

WISDOT/CADDS SHEET 42

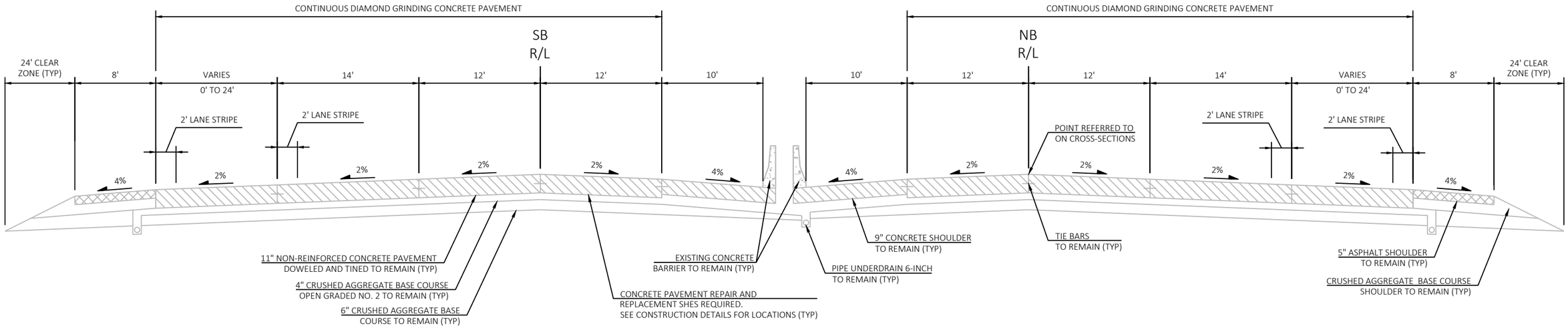
2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



EXISTING / PROPOSED 3 -LANE TYPICAL SECTION

STA 1118'SB'+90 TO STA 1135'SB'+00	STA 1119'NB'+00 TO STA 1142'NB'+00
STA 1152'SB'+72 TO STA 1217'SB'+02	STA 1152'NB'+00 TO STA 1178'NB'+28
STA 1311'SB'+50 TO STA 1353'SB'+31	STA 1202'NB'+99 TO STA 1264'NB'+57
STA 1378'SB'+64 TO STA 1410'SB'+00	STA 1351'NB'+36 TO STA 1363'NB'+04
STA 1417'SB'+18 TO STA 1441'SB'+31	STA 1387'NB'+57 TO STA 1408'NB'+07
STA 1447'SB'+12 TO STA 1510'SB'+85	STA 1417'NB'+89 TO STA 1477'NB'+80
STA 1520'SB'+67 TO STA 1536'SB'+77	STA 1483'NB'+30 TO STA 1510'NB'+84
	STA 1522'NB'+23 TO STA 1536'NB'+89

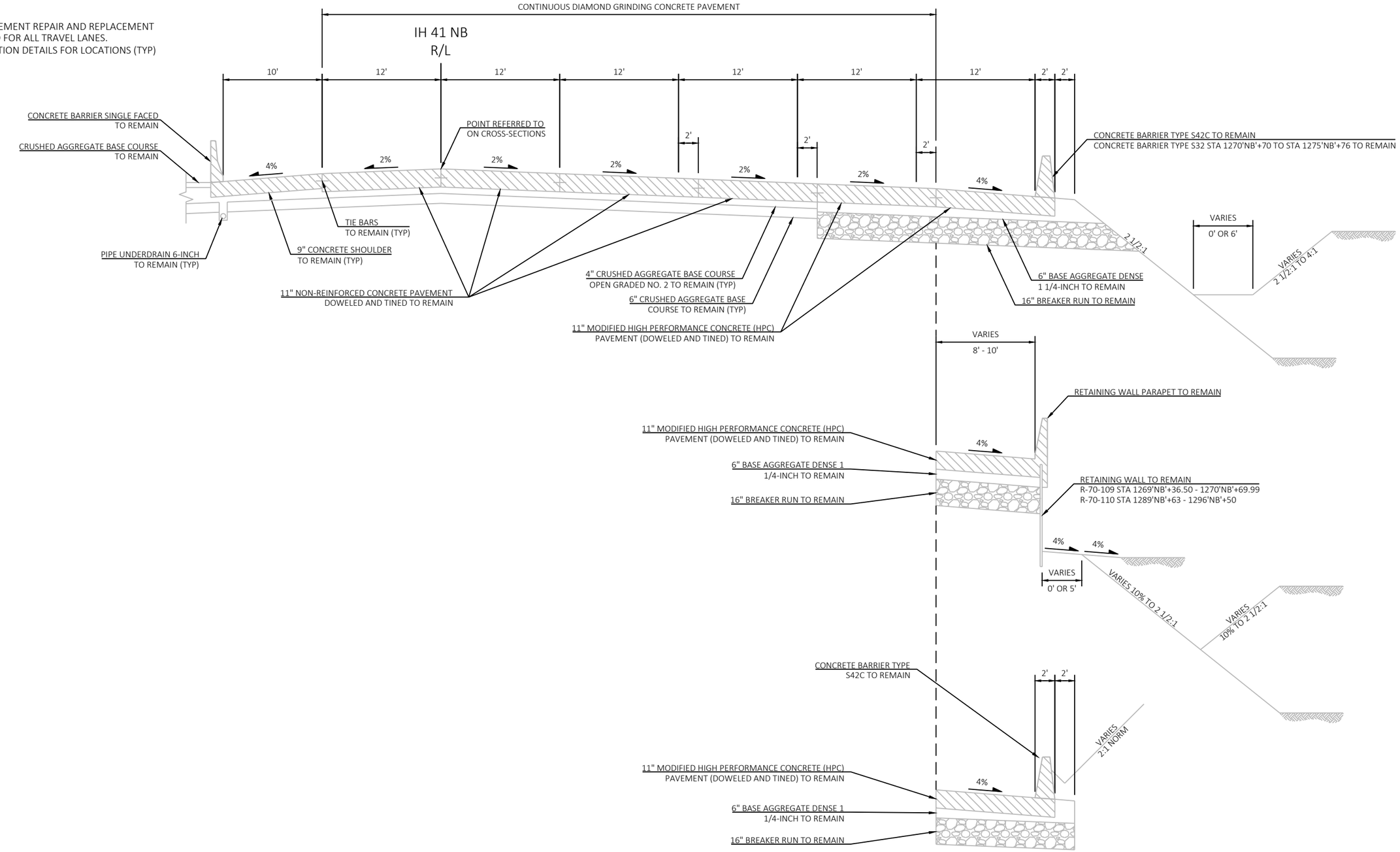


EXISTING / PROPOSED 3 -LANE TYPICAL SECTION WITH AUXILIARY LANE

STA 1135'SB'+00 TO STA 1152'SB'+72	STA 1142'NB'+00 TO STA 1152'NB'+00
STA 1217'SB'+02 TO STA 1233'SB'+64.52	STA 1178'NB'+28 TO STA 1202'NB'+99
STA 1353'SB'+31 TO STA 1378'SB'+64	STA 1264'NB'+57 TO STA 1265'NB'+56.25
STA 1410'SB'+00 TO STA 1417'SB'+18	STA 1310'NB'+84.86 TO STA 1351'NB'+36
STA 1441'SB'+31 TO STA 1447'SB'+12	STA 1363'NB'+04 TO STA 1387'NB'+57
STA 1510'SB'+85 TO STA 1520'SB'+67	STA 1408'NB'+07 TO STA 1417'NB'+89
	STA 1477'NB'+80 TO STA 1483'NB'+30
	STA 1510'NB'+84 TO STA 1522'NB'+23

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



EXISTING / PROPOSED IH 41 NB

EXISTING BRIDGE STA 1266'NB'+27.54 TO STA 1269'NB'+36.50
STA 1269'NB'+36.50 - 1306'NB'+00

STA 1304'NB'+35 TO STA 1305'NB'+95

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 5	E

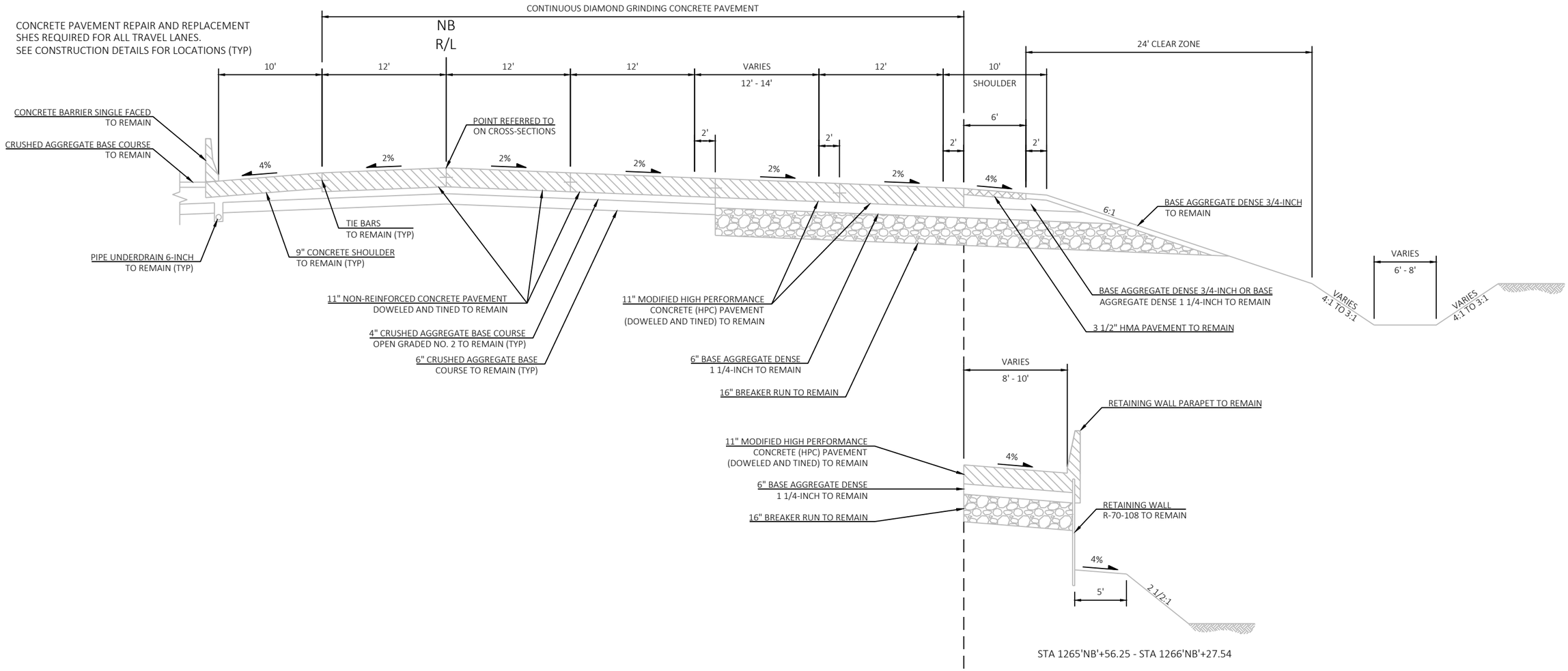
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020302-ts

PLOT DATE : 5/23/2023 2:30 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1IN:10 FT

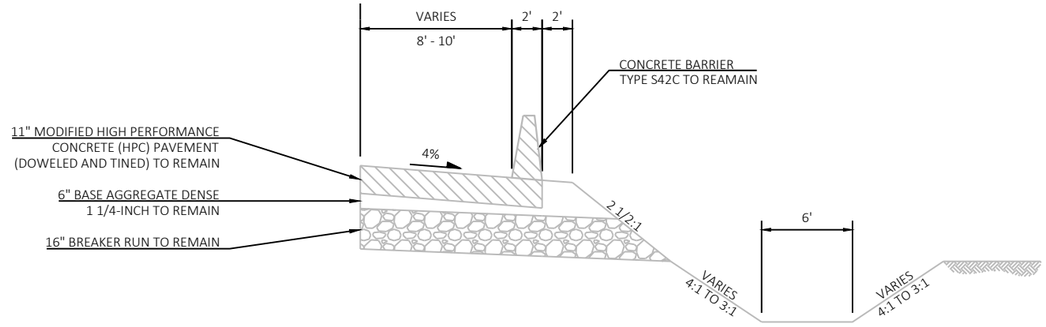
WISDOT/CADDS SHEET 42

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



STA 1265'NB'+56.25 - STA 1266'NB'+27.54



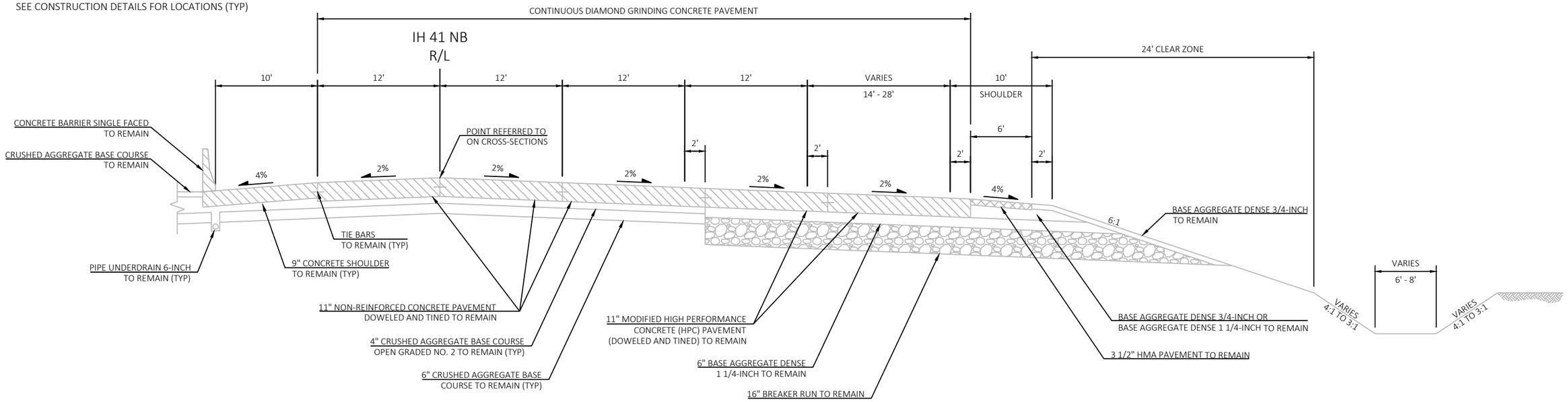
STA 1306'NB'+00 - STA 1306'NB'+70

EXISTING / PROPOSED IH 41 NB
STA 1265'NB'+56.25 TO STA 1266'NB'+27.54
STA 1306'NB'+00 - 1307'NB'+89.42

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 6	E

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



EXISTING / PROPOSED IH 41 NB
STA 1307'NB'+89.42 - STA 1310'NB'+84.86

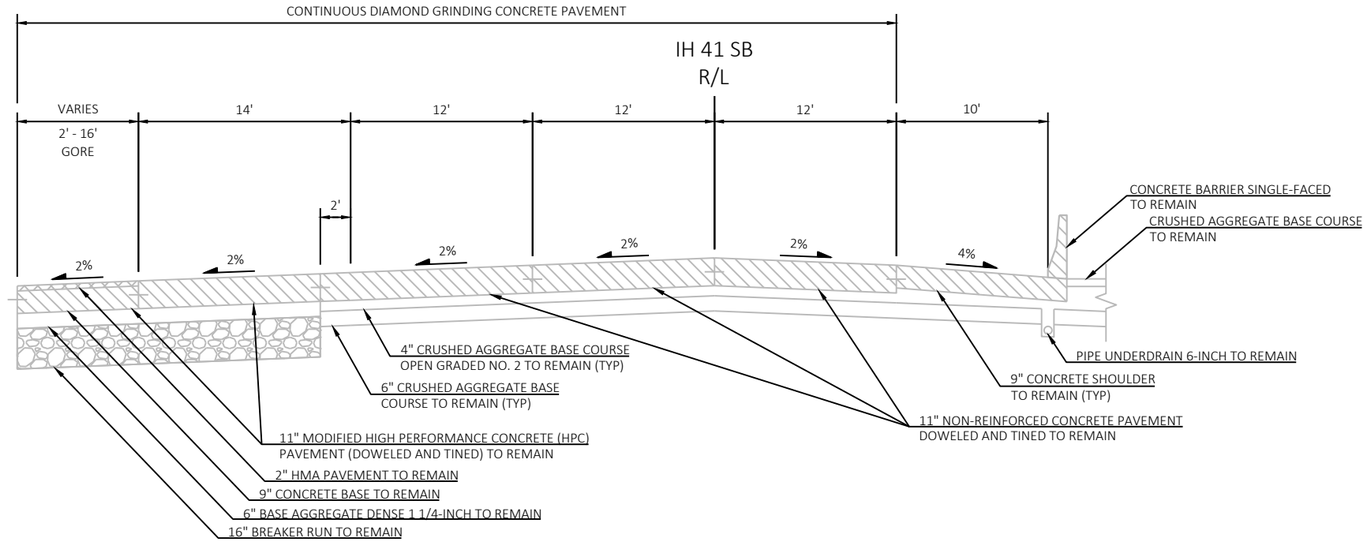
2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 7	E

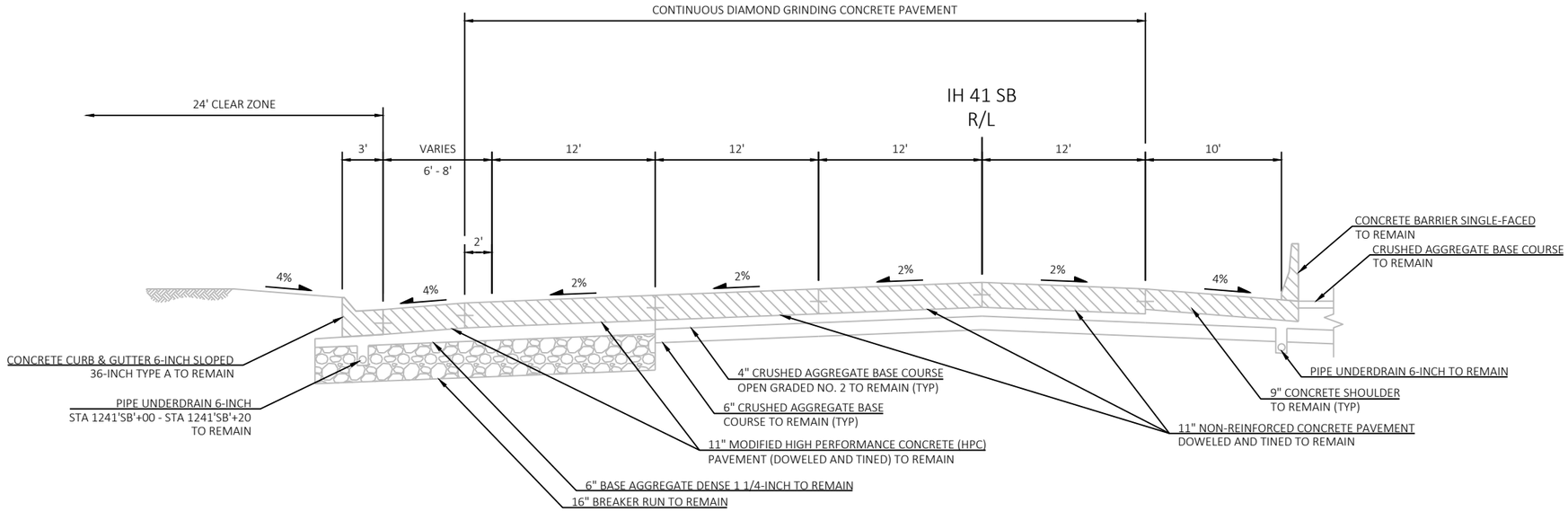
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020304-ts
PLOT DATE : 5/23/2023 2:31 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



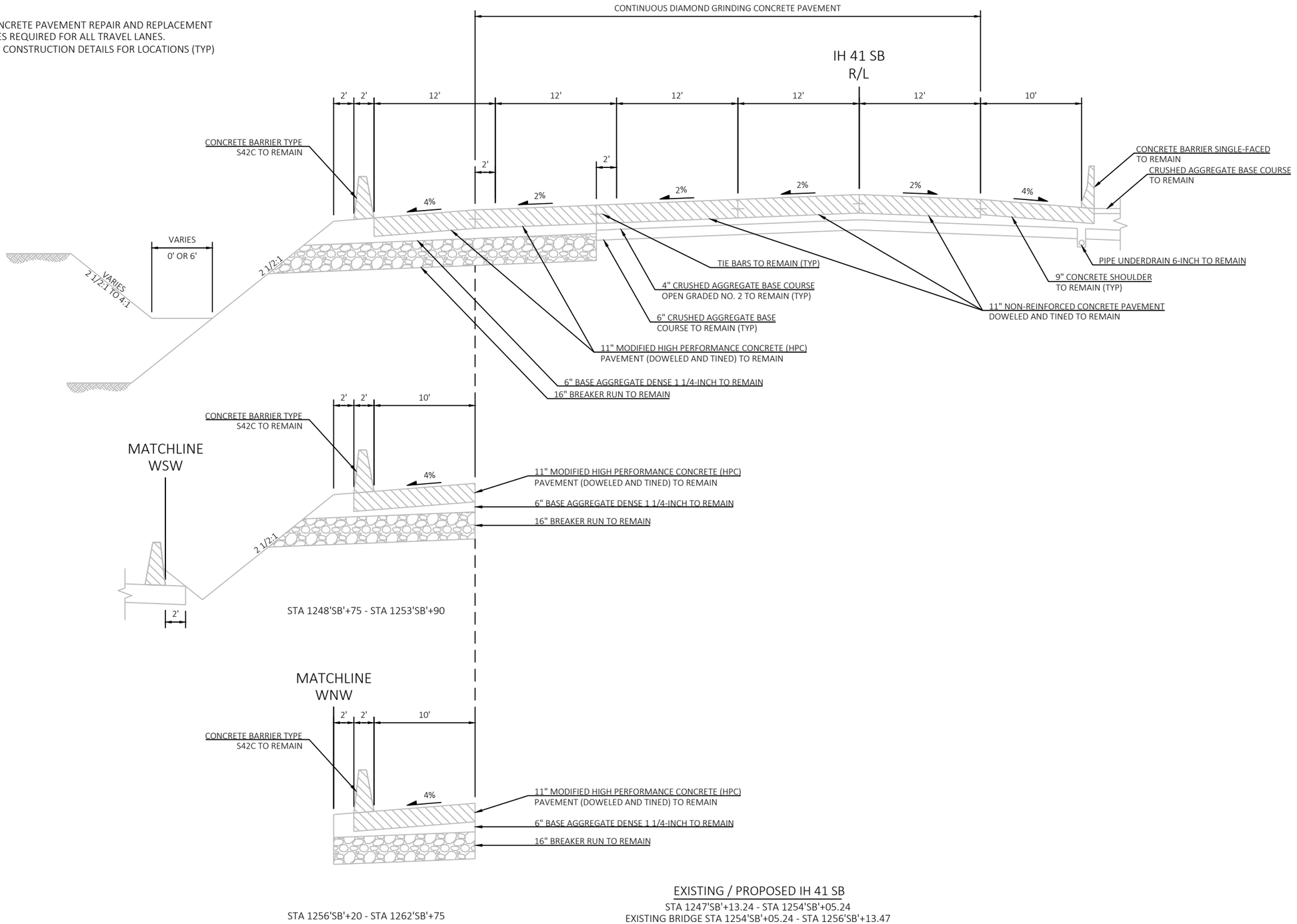
EXISTING / PROPOSED IH 41 SB
STA 1243'SB'+14.81 - STA 1247'SB'+13.24



EXISTING / PROPOSED IH 41 SB
STA 1233'SB'+64.52 - STA 1243'SB'+14.81

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



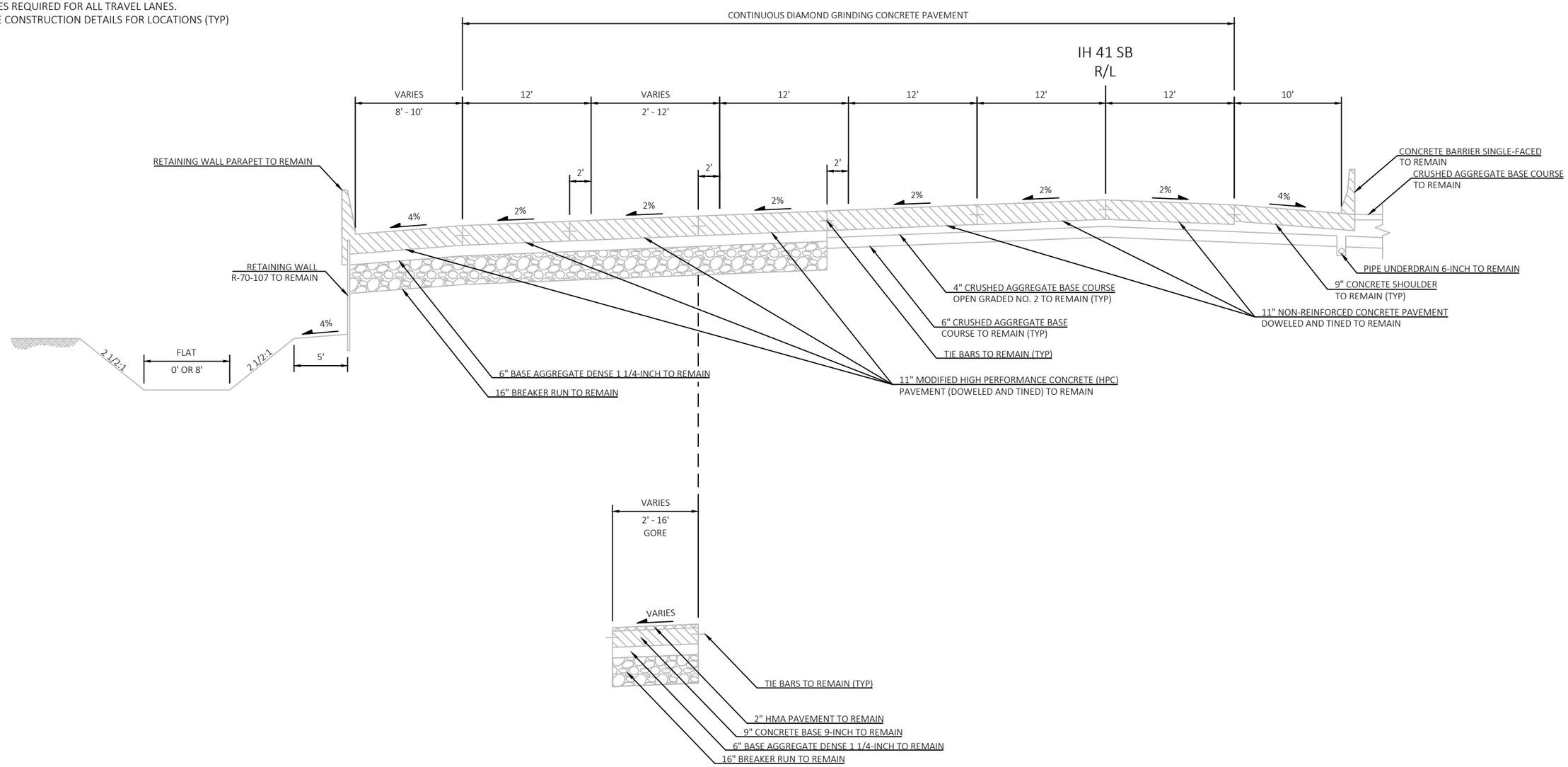
EXISTING / PROPOSED IH 41 SB

STA 1247'SB'+13.24 - STA 1254'SB'+05.24
EXISTING BRIDGE STA 1254'SB'+05.24 - STA 1256'SB'+13.47
STA 1256'SB'+13.47 - STA 1263'SB'+19.20

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 9	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020306-ts
PLOT DATE : 5/23/2023 2:32 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1IN:10 FT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



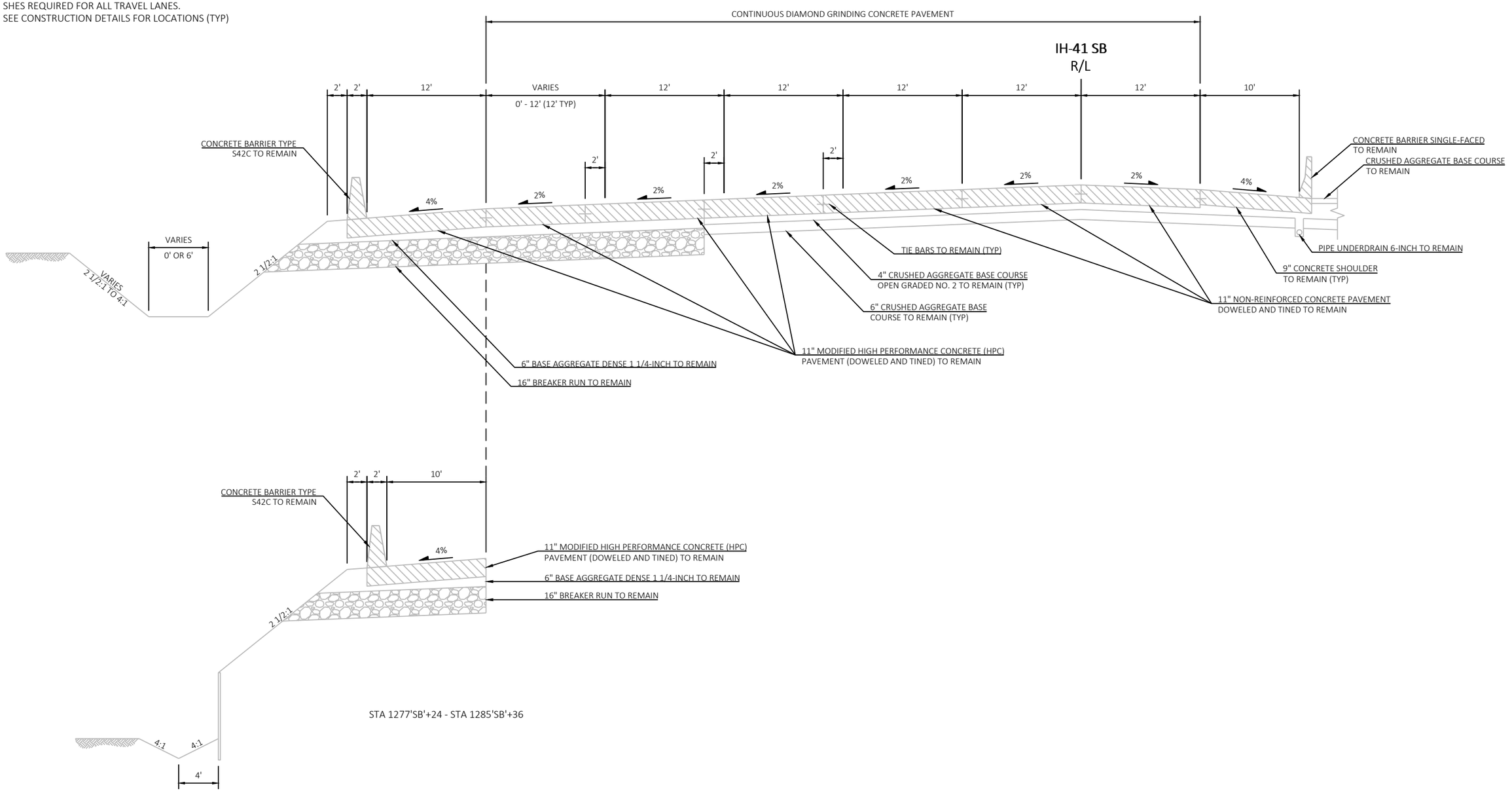
STA 1263'SB'+19.20 - STA 1264'SB'+88.74

EXISTING / PROPOSED IH 41 SB
STA 1263'SB'+19.20 - STA 1267'SB'+78.93

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 10	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020307-ts
PLOT DATE : 5/23/2023 2:32 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1IN:10 FT
WISDOT/CADDS SHEET 42

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



STA 1277'SB'+24 - STA 1285'SB'+36

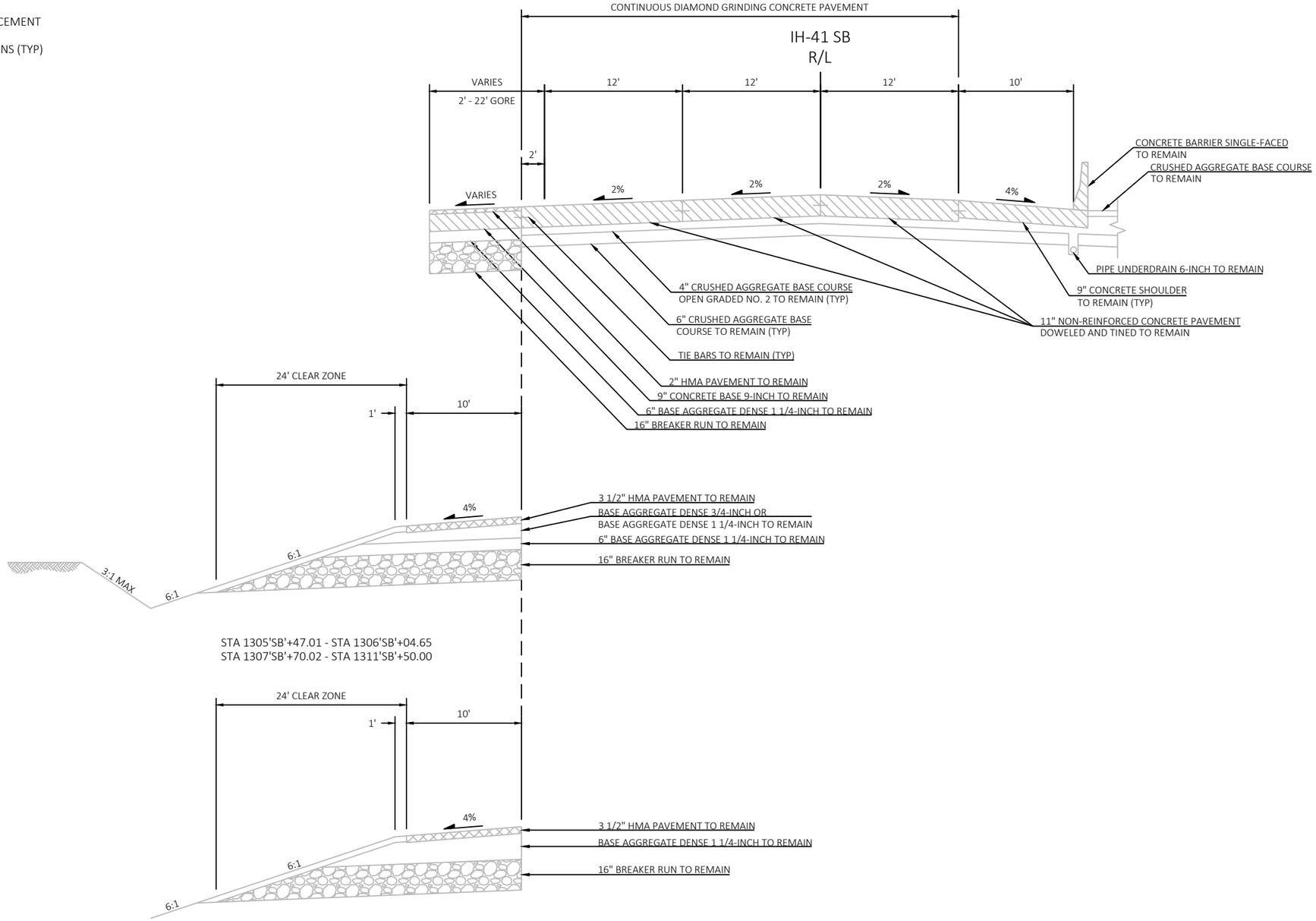
EXISTING / PROPOSED IH 41 SB

EXISTING BRIDGE STA 1267'SB'+78.93 - STA 1268'SB'+03.25
STA 1268'SB'+03.25 - STA 1300'SB'+13.25

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 11	E

2

CONCRETE PAVEMENT REPAIR AND REPLACEMENT
SHES REQUIRED FOR ALL TRAVEL LANES.
SEE CONSTRUCTION DETAILS FOR LOCATIONS (TYP)



STA 1305'SB'+47.01 - STA 1306'SB'+04.65
STA 1307'SB'+70.02 - STA 1311'SB'+50.00

STA 1306'SB'+04.65 - STA 1307'SB'+70.02

EXISTING / PROPOSED IH 41 SB
STA 1300'SB'+13.25 - STA 1311'SB'+50.00

2

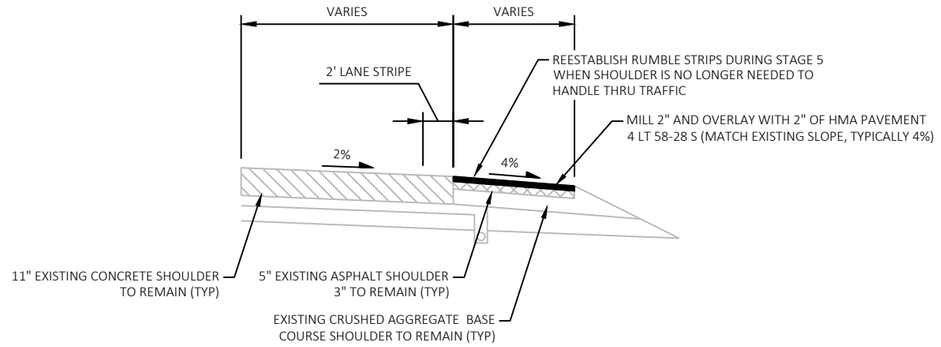
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN: TYPICAL SECTIONS	SHEET 12	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020309-ts
PLOT DATE : 5/23/2023 2:33 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1IN:10 FT

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											

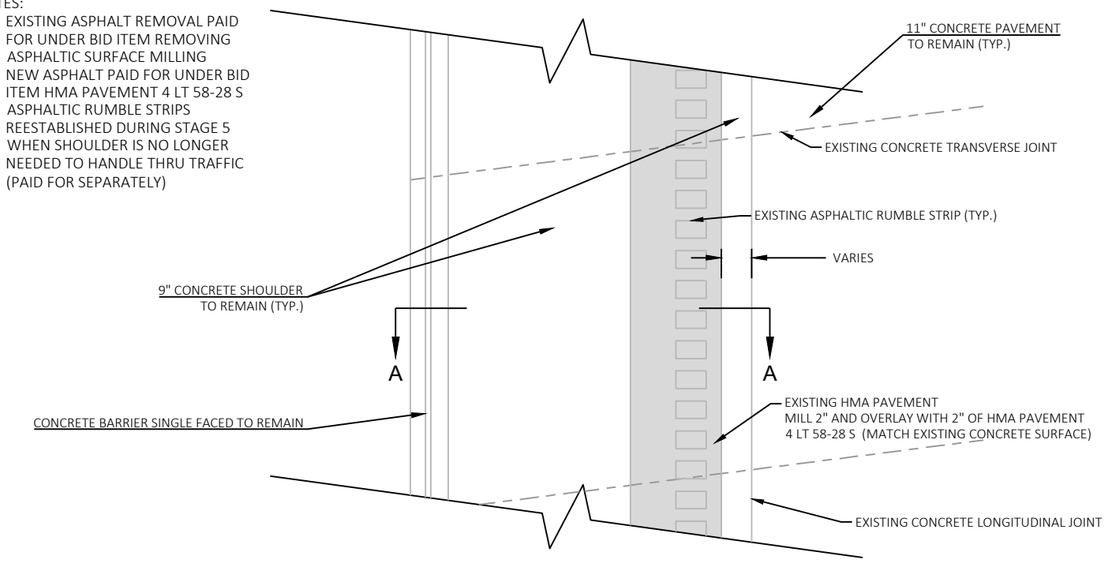
TOTAL PROJECT AREA = 417.49 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.98 ACRES



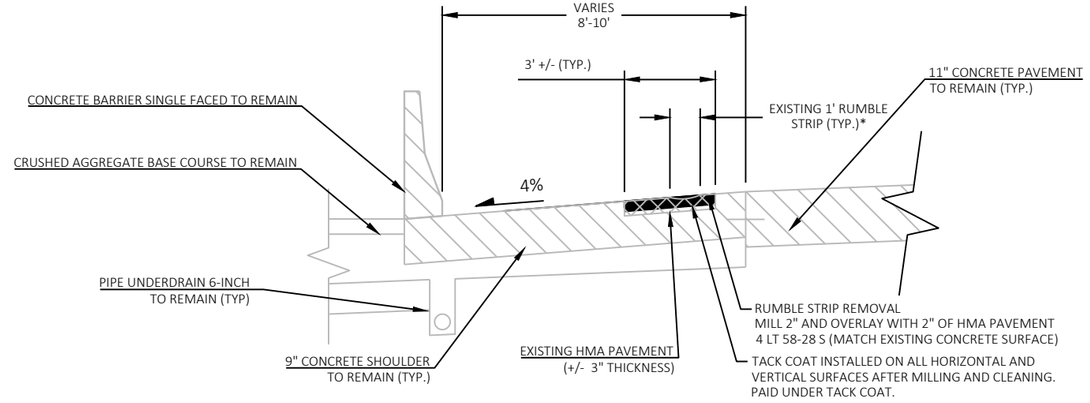
ASPHALT SHOULDER MILL AND OVERLAY

STA 1137'NB'+00 TO STA 1142'NB'+66
STA 1151'NB'+30 TO STA 1165'NB'+85
STA 1168'NB'+21 TO STA 1173'NB'+15
STA 1206'NB'+70 TO STA 1215'NB'+83
STA 1217'NB'+54 TO STA 1226'NB'+58
STA 1228'NB'+47 TO STA 1233'NB'+30
STA 1243'NB'+56 TO STA 1254'NB'+15
STA 1257'NB'+00 TO STA 1264'NB'+25
STA 1417'NB'+90 TO STA 1427'NB'+40
STA 1430'NB'+00 TO STA 1434'NB'+90
STA 1474'NB'+95 TO STA 1482'NB'+20
STA 1483'NB'+30 TO STA 1493'NB'+40
STA 1495'NB'+80 TO STA 1500'NB'+80
STA 1525'NB'+80 TO STA 1534'NB'+50
STA 1536'NB'+88 TO STA 1541'NB'+75
STA 1141'SB'+70 TO STA 1146'SB'+02
STA 1147'SB'+80 TO STA 1151'SB'+30
STA 1152'SB'+55 TO STA 1165'SB'+60
STA 1167'SB'+90 TO STA 1176'SB'+70
STA 1210'SB'+60 TO STA 1214'SB'+70
STA 1217'SB'+40 TO STA 1226'SB'+47
STA 1228'SB'+29 TO STA 1235'SB'+20
STA 1422'SB'+75 TO STA 1427'SB'+65
STA 1429'SB'+94 TO STA 1440'SB'+90
STA 1481'SB'+20 TO STA 1482'SB'+05
STA 1483'SB'+17 TO STA 1493'SB'+27
STA 1495'SB'+65 TO STA 1504'SB'+90
STA 1529'SB'+50 TO STA 1534'SB'+34
STA 1536'SB'+76 TO STA 1545'SB'+70

NOTES:
1. EXISTING ASPHALT REMOVAL PAID FOR UNDER BID ITEM REMOVING ASPHALTIC SURFACE MILLING
2. NEW ASPHALT PAID FOR UNDER BID ITEM HMA PAVEMENT 4 LT 58-28 S
3. ASPHALTIC RUMBLE STRIPS REESTABLISHED DURING STAGE 5 WHEN SHOULDER IS NO LONGER NEEDED TO HANDLE THRU TRAFFIC (PAID FOR SEPARATELY)



PLAN VIEW



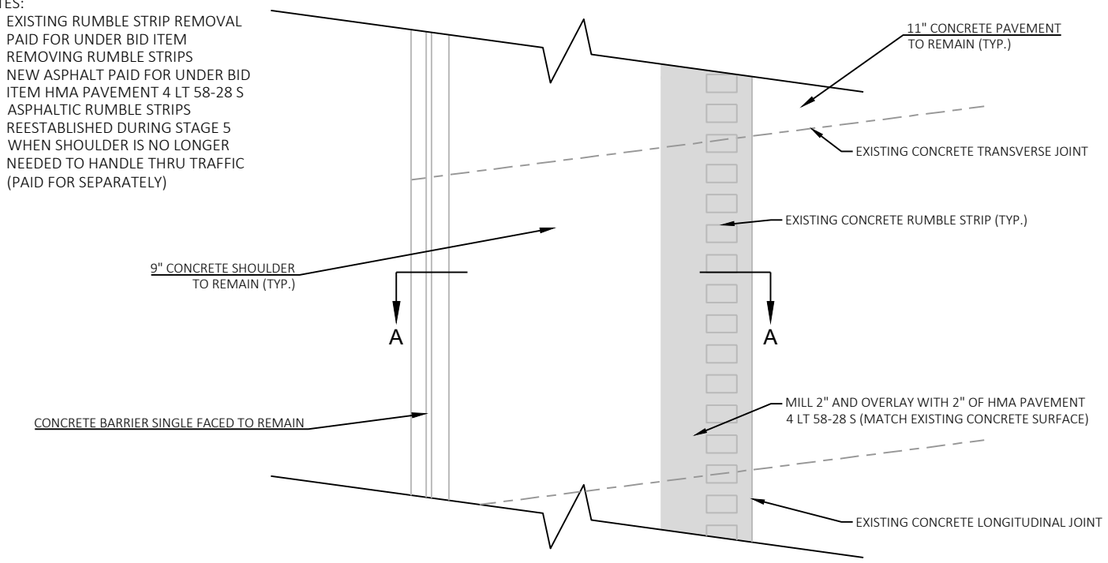
SECTION A-A

RUMBLE STRIP REMOVAL - CONCRETE SHOULDER W/ INLAID ASPHALT

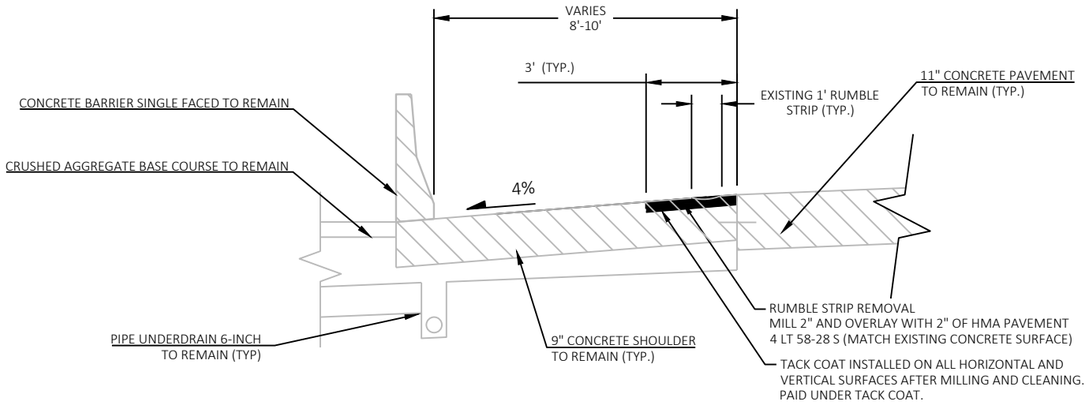
STA 1141'NB'+50 TO STA 1146'NB'+00
STA 1147'NB'+80 TO STA 1165'NB'+85
STA 1168'NB'+20 TO STA 1173'NB'+35
STA 1208'NB'+25 TO STA 1215'NB'+60
STA 1217'NB'+50 TO STA 1226'NB'+50
STA 1228'NB'+40 TO STA 1232'NB'+05
STA 1249'NB'+75 TO STA 1254'NB'+15
STA 1256'NB'+95 TO STA 1262'NB'+75
STA 1270'NB'+25 TO STA 1282'NB'+20
STA 1422'NB'+25 TO STA 1427'NB'+85
STA 1430'NB'+30 TO STA 1432'NB'+75
STA 1477'NB'+80 TO STA 1481'NB'+95
STA 1483'NB'+50 TO STA 1493'NB'+20
STA 1495'NB'+80 TO STA 1499'NB'+20
STA 1530'NB'+00 TO STA 1534'NB'+50
STA 1536'NB'+85 TO STA 1542'NB'+00
STA 1141'SB'+85 TO STA 1145'SB'+95
STA 1147'SB'+55 TO STA 1165'SB'+60
STA 1168'SB'+00 TO STA 1173'SB'+25
STA 1211'SB'+25 TO STA 1215'SB'+75
STA 1217'SB'+45 TO STA 1226'SB'+50
STA 1228'SB'+25 TO STA 1231'SB'+85
STA 1249'SB'+15 TO STA 1254'SB'+40
STA 1257'SB'+25 TO STA 1267'SB'+00
STA 1271'SB'+00 TO STA 1274'SB'+70
STA 1275'SB'+90 TO STA 1280'SB'+00
STA 1424'SB'+60 TO STA 1427'SB'+65
STA 1430'SB'+10 TO STA 1434'SB'+50
STA 1477'SB'+35 TO STA 1481'SB'+95
STA 1483'SB'+45 TO STA 1493'SB'+25
STA 1495'SB'+80 TO STA 1500'SB'+25
STA 1530'SB'+85 TO STA 1534'SB'+40
STA 1536'SB'+75 TO STA 1545'SB'+80

2

NOTES:
1. EXISTING RUMBLE STRIP REMOVAL PAID FOR UNDER BID ITEM REMOVING RUMBLE STRIPS
2. NEW ASPHALT PAID FOR UNDER BID ITEM HMA PAVEMENT 4 LT 58-28 S
3. ASPHALTIC RUMBLE STRIPS REESTABLISHED DURING STAGE 5 WHEN SHOULDER IS NO LONGER NEEDED TO HANDLE THRU TRAFFIC (PAID FOR SEPARATELY)



PLAN VIEW



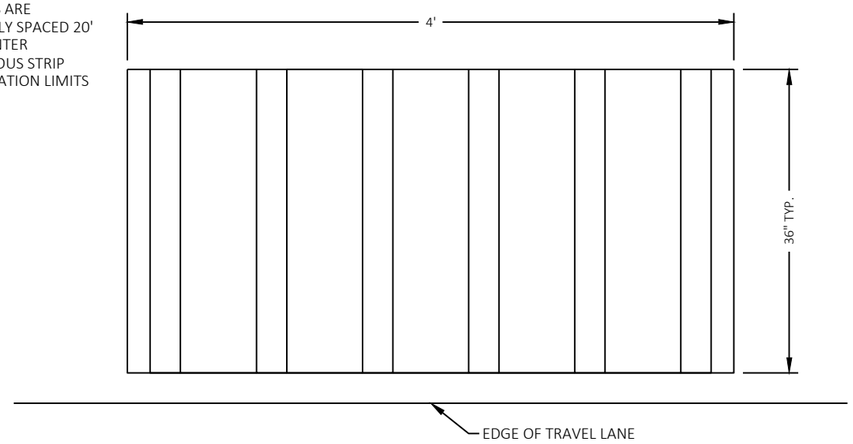
SECTION A-A

RUMBLE STRIP REMOVAL - CONCRETE SHOULDER W/ CONTINUOUS RUMBLE STRIP

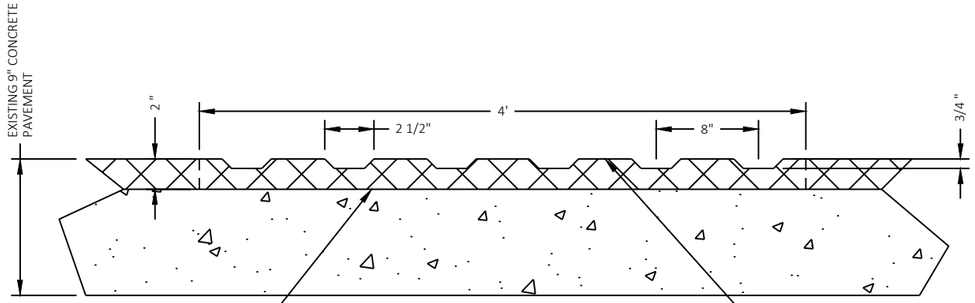
STA 1270'NB'+00 TO STA 1270'NB'+25, LT

STA 1231'SB'+85 TO STA 1237'SB'+15, RT
STA 1251'SB'+10 TO STA 1251'SB'+50, RT
STA 1256'SB'+45 TO STA 1257'SB'+25, RT
STA 1260'SB'+00 TO STA 1260'SB'+50, RT
STA 1267'SB'+00 TO STA 1267'SB'+55, RT
STA 1270'SB'+25 TO STA 1271'SB'+00, RT
STA 1274'SB'+70 TO STA 1275'SB'+90, RT
STA 1280'SB'+00 TO STA 1286'SB'+75, RT

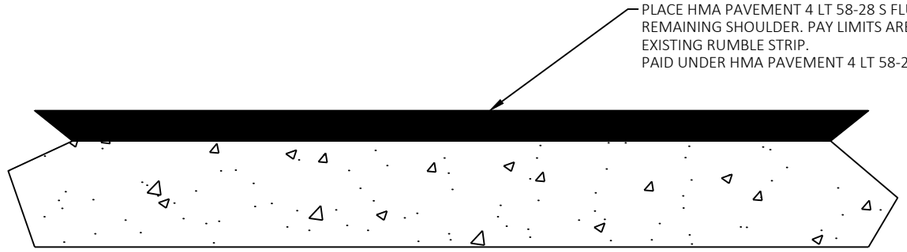
NOTES:
1) RUMBLE STRIPS ARE LONGITUDINALLY SPACED 20' CENTER TO CENTER
2) MILL CONTINUOUS STRIP WITHIN THE STATION LIMITS LISTED BELOW



PLAN VIEW



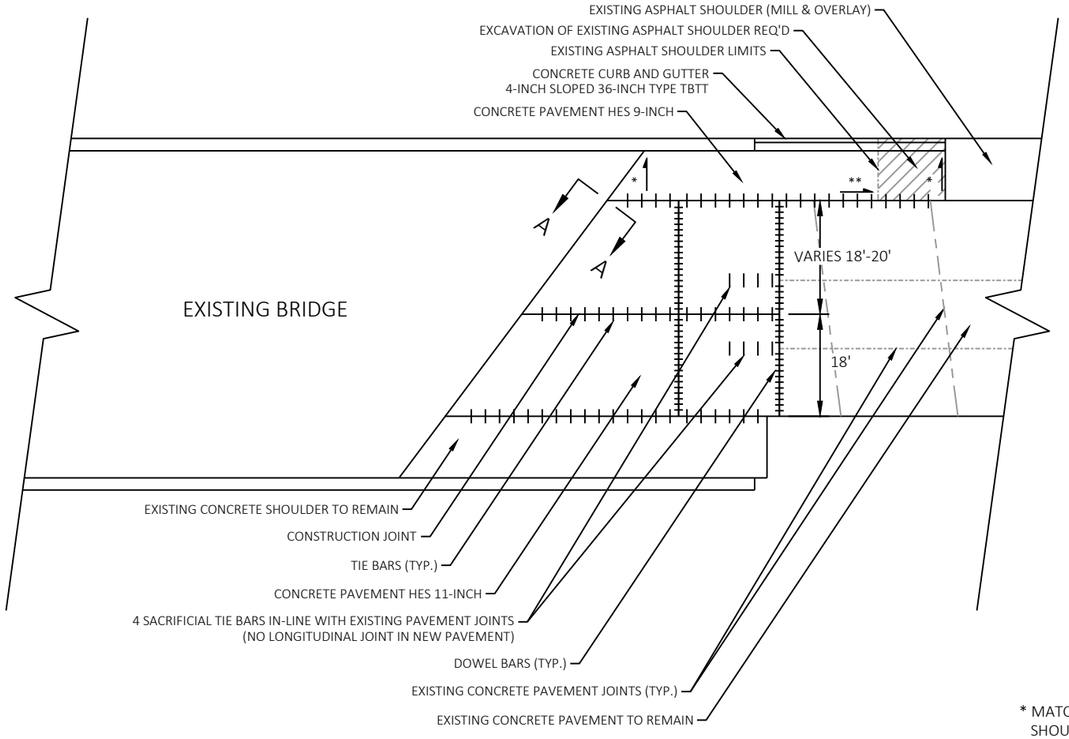
PROPOSED PROFILE VIEW



FINISHED PROFILE VIEW

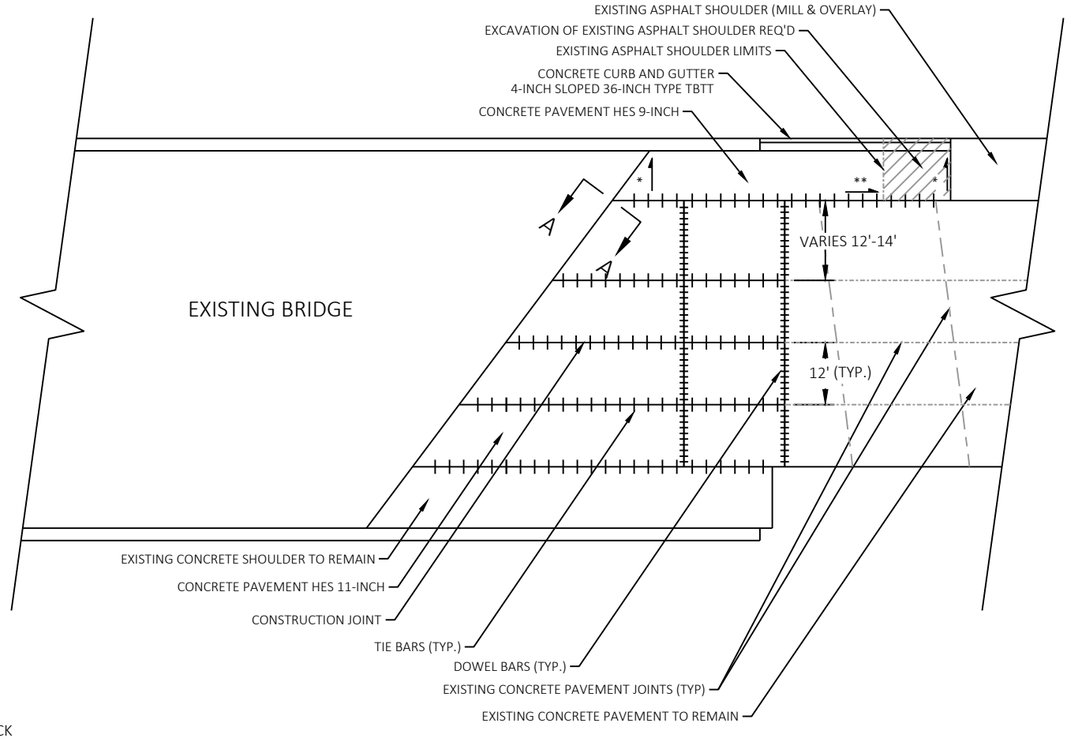
REMOVING RUMBLE STRIPS

STA 1136'NB'+90 TO STA 1141'NB'+50, LT
STA 1206'NB'+45 TO STA 1208'NB'+25, LT
STA 1232'NB'+05 TO STA 1233'NB'+55, LT
STA 1245'NB'+00 TO STA 1249'NB'+50, LT
STA 1418'NB'+25 TO STA 1422'NB'+25, LT
STA 1432'NB'+75 TO STA 1435'NB'+15, LT
STA 1474'NB'+40 TO STA 1477'NB'+80, LT
STA 1499'NB'+20 TO STA 1501'NB'+10, LT
STA 1525'NB'+40 TO STA 1530'NB'+00, LT
STA 1141'SB'+05 TO STA 1141'SB'+85, RT
STA 1173'SB'+25 TO STA 1177'SB'+05, RT
STA 1210'SB'+35 TO STA 1211'SB'+25, RT
STA 1422'SB'+50 TO STA 1424'SB'+60, RT
STA 1434'SB'+50 TO STA 1439'SB'+10, RT
STA 1500'SB'+25 TO STA 1504'SB'+85, RT
STA 1529'SB'+25 TO STA 1530'SB'+85, RT



3- LANE CONCRETE APPROACH DETAIL

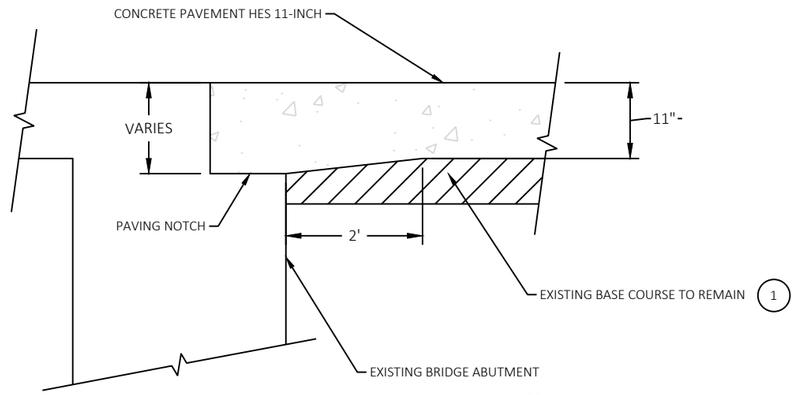
B-44-155 B-70-125
B-44-156 B-70-126
B-44-157 B-70-128
B-44-158 B-70-130
B-70-123 B-70-135
B-70-124 B-70-136



4- LANE CONCRETE APPROACH DETAIL

B-70-049
B-70-050
B-70-127
B-70-129

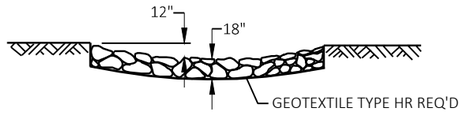
* MATCH EXISTING SHOULDER/BRIDGE DECK CROSS-SLOPE (4% TYP.)
** MATCH EXISTING ROADWAY LONGITUDINAL SLOPE



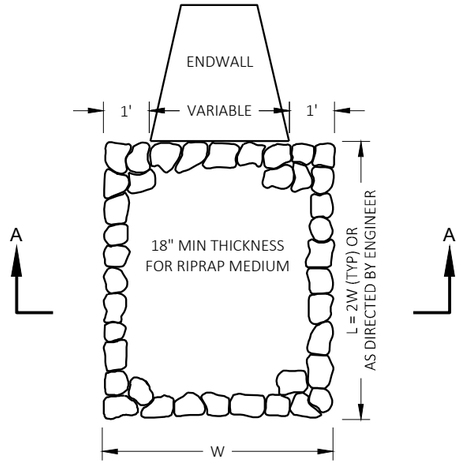
SECTION A - A

1 PREPARE FOUNDATION FOR CONCRETE PAVEMENT (211.0201)
- TYPICAL 1/2" BASE COURSE EXCAVATION REQUIRED (INCIDENTAL)

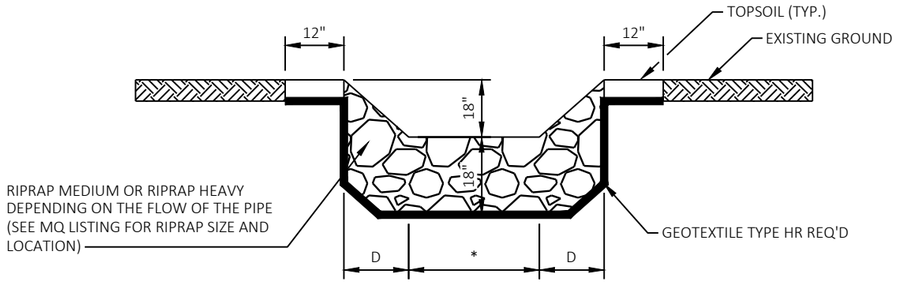
FINISHED ASPHALT APPROACH SLAB REPLACEMENT



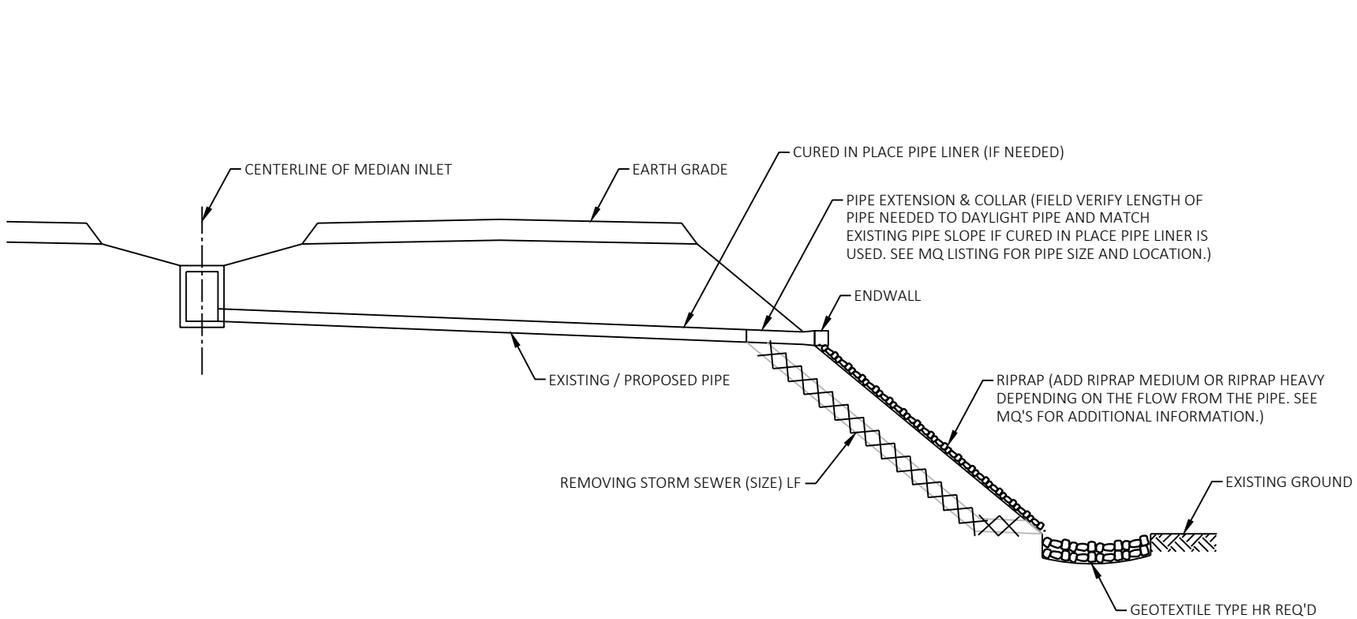
SECTION A-A



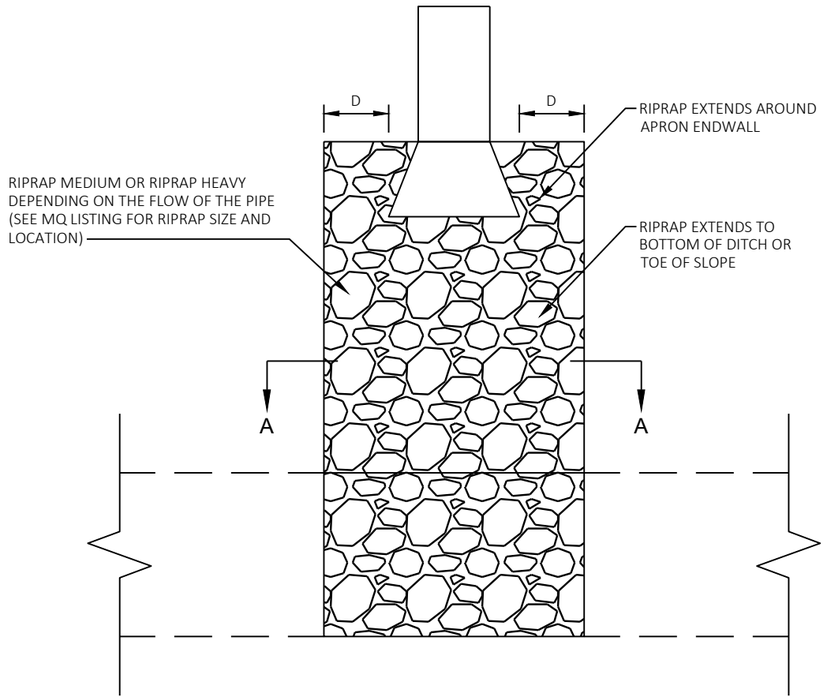
RIPRAP MEDIUM TREATMENT AT CULVERTS



SECTION A-A



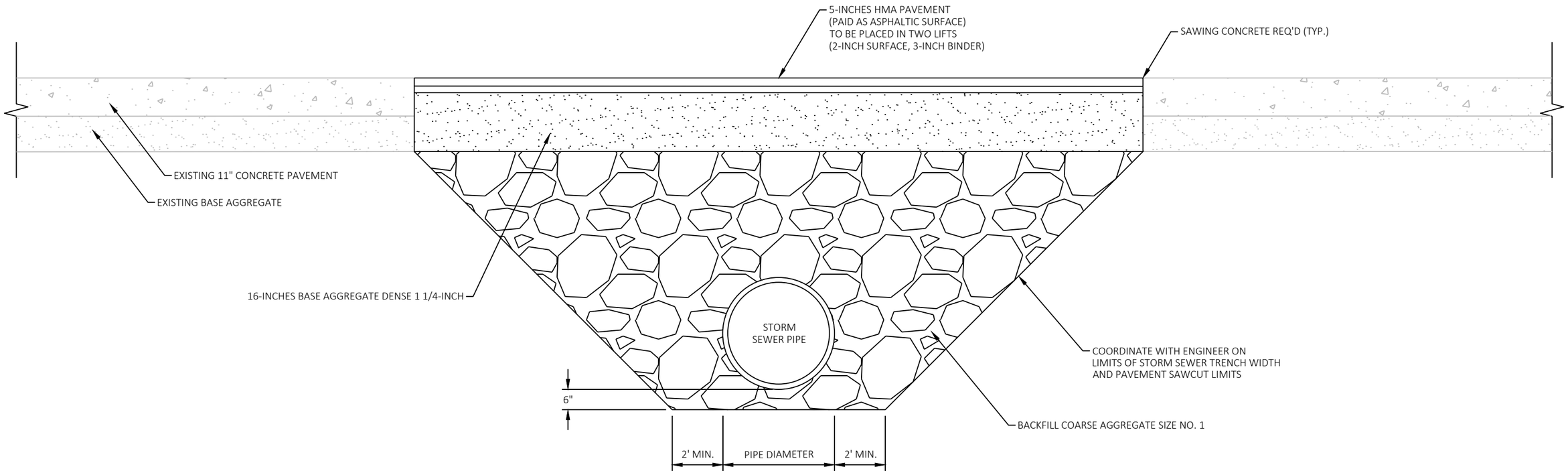
SIDE VIEW



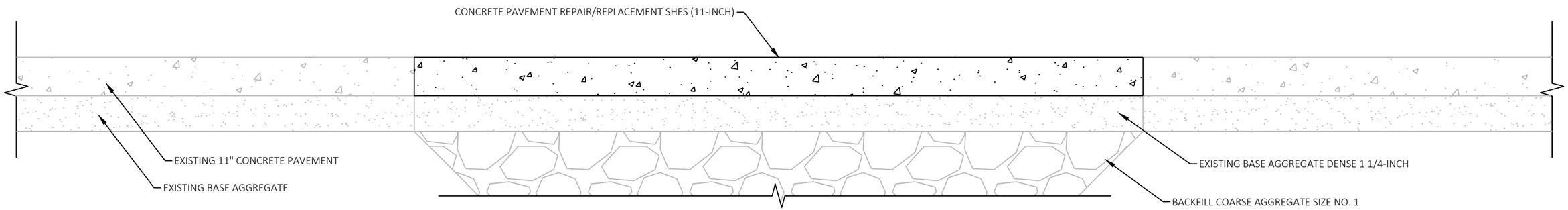
PLAN VIEW

DAYLIGHT MEDIAN INLET DETAIL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 16	E



PHASE 1 - ASPHALTIC SURFACE



PHASE 2 - CONCRETE PAVEMENT REPAIR/REPLACEMENT SHES

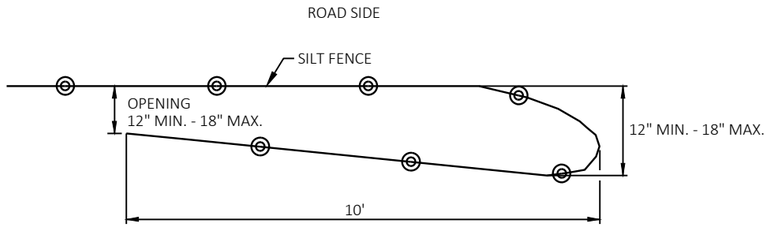
NOTES:

1) ASPHALTIC SURFACE, BASE AGGREGATE DENSE 1 1/4-INCH, AND BACKFILL COARSE AGGREGATE SIZE NO. 1 WILL BE PAID FOR UNDER THEIR RESPECTIVE BID ITEMS.

2) PHASE 1 ASPHALTIC SURFACE TO BE PLACED ON NIGHTS OF STORM SEWER INSTALLATION. PHASE 2 CONCRETE PAVEMENT REPAIR/REPLACEMENT SHES TO BE PLACED IN THEIR RESPECTIVE STAGES.

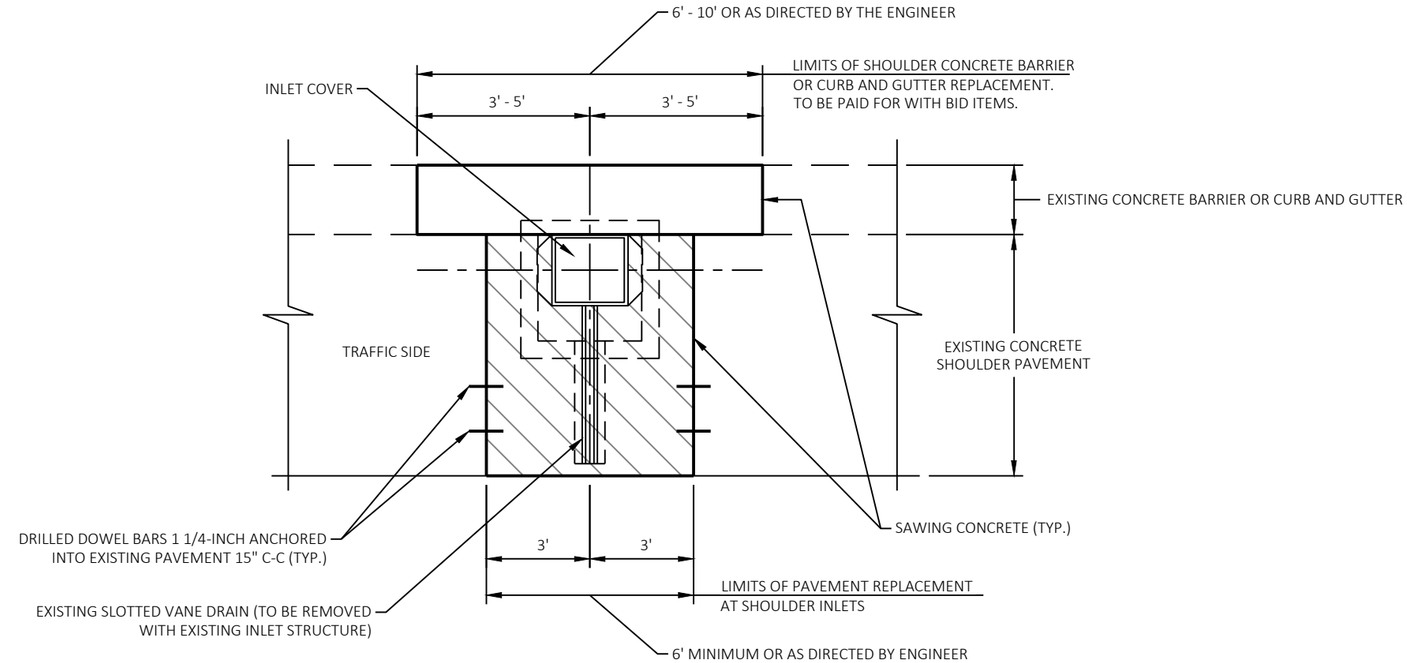
STORM SEWER CROSSING INSTALLATION DETAIL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 17	E



TEMPORARY SMALL ANIMAL TURN-AROUND

NOTE:
SILT FENCE POSTS FOR THE TURN-AROUND SHOULD BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDING TO SILT FENCE STANDARD SPECIFICATIONS.



PLAN

PAVEMENT REPAIR/REPLACEMENT AT SHOULDER INLETS DETAIL

(DETAIL SHOWN AT CONCRETE BARRIER, CURB AND GUTTER LOCATION SIMILAR)

NOTES:

THICKNESS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT AT SHOULDER TO MATCH ADJACENT EXISTING SHOULDER CONCRETE PAVEMENT THICKNESS.

TYPE AND SIZE OF CONCRETE BARRIER OR CURB AND GUTTER TO MATCH EXISTING.

COST FOR ALL ITEMS TO BE PAID UNDER THEIR RESPECTIVE BID ITEMS.

SEE SDD'S FOR REQUIRED BAR STEEL AND DETAILS NOT SHOWN TO CONSTRUCT CONCRETE PAVEMENT REPAIR/REPLACEMENT, INLETS, INLET COVERS, SLOTTED VANE DRAIN, AND CONCRETE BARRIER OR CURB AND GUTTER:
CONCRETE PAVEMENT REPAIR AND REPLACEMENT
INLET AND MANHOLE COVERS
INLETS 3-FT AND 4-FT DIAMETER
INLETS 2X2-FT, 2x2.5-FT, 2X3-FT, AND 2.5X3-FT
SLOTTED VANE DRAIN
CONCRETE CURB AND GUTTER
CONCRETE BARRIER SINGLE SLOPE (CBSS)
CONCRETE BARRIER, SINGLE FACED (WITH ANCHORAGE)

2

2

STA. 1280'SB'+00, 50' LT
STA. 1280'SB'+00, 14' RT
STA. 1280'NB'+00, 14' LT
STA. 1280'NB'+00, 50' RT
STA. 1270'SB'+83, 60' LT
STA. 1270'SB'+76, 50' LT
STA. 1270'SB'+31, 14' RT
B-70-0131
STA. 1270'NB'+11, 24' LT
STA. 1270'NB'+03, 14' LT
STA. 1270'SB'+24, 22' RT
STA. 1268'SB'+24, 60' LT
STA. 1268'SB'+15, 50' LT
STA. 1267'SB'+55, 14' RT
STA. 1266'SB'+95, 50' LT
STA. 1269'NB'+56, 50' RT
STA. 1269'NB'+46, 62' RT
STA. 1267'NB'+38, 24' LT
STA. 1267'NB'+29, 14' LT
STA. 1267'SB'+44, 22' RT
B-70-0132
STA. 1265'SB'+00, 66' LT
STA. 1265'SB'+00, 38' LT
STA. 1266'NB'+56, 53' RT
STA. 1266'NB'+44, 62' RT
STA. 1265'NB'+70, 55' RT
STA. 1265'NB'+70, 55' RT
STA. 1262'SB'+75, 38' LT
STA. 1262'SB'+75, 14' RT
STA. 1262'NB'+75, 14' LT
STA. 1262'NB'+75, 26' RT

IH 41 SB
IH 41 NB
USH 41
RAMP II-D
RAMP II-C
GREEN BAY RD.
RAILROAD
CANADIAN
WCL RR
RIPRAP
SIGN
CANOPY
1280
1275
1270
1265

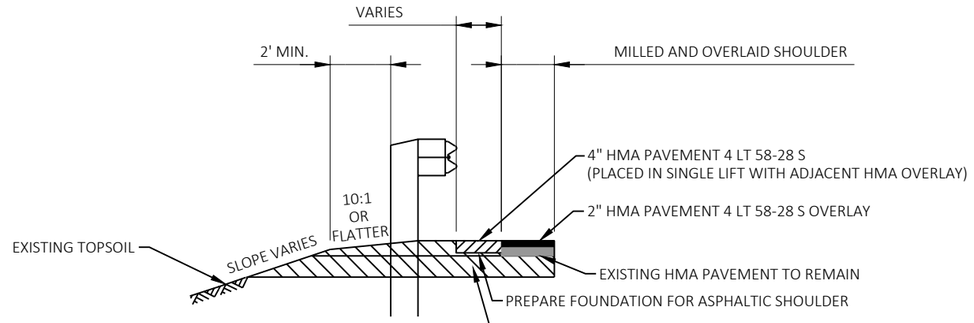
HIGH FRICTION SURFACE TREATMENT POLYMER OVERLAY
INSTALL TO FACE OF PARAPETS ON B-70-0131 & B-70-0132

RESIN BINDER HIGH FRICTION SURFACE TREATMENT
OFFSETS ARE APPROXIMATE. INSTALL HFST 2' ON TO PAVED SHOULDERS

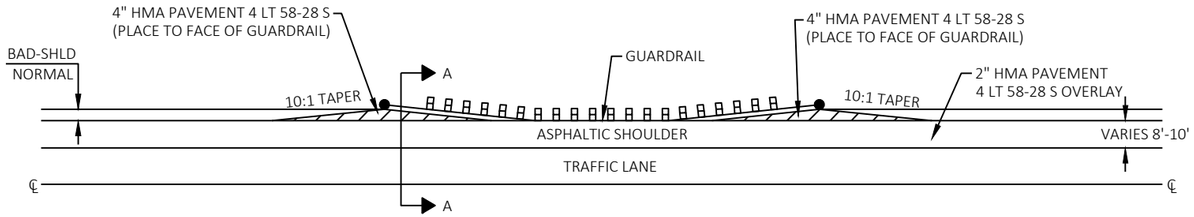
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 19	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021008-cd
PLOT DATE : 6/13/2023 9:07 AM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:10 FT

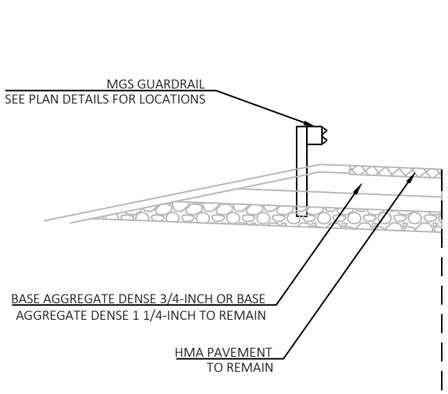
2



SECTION A-A

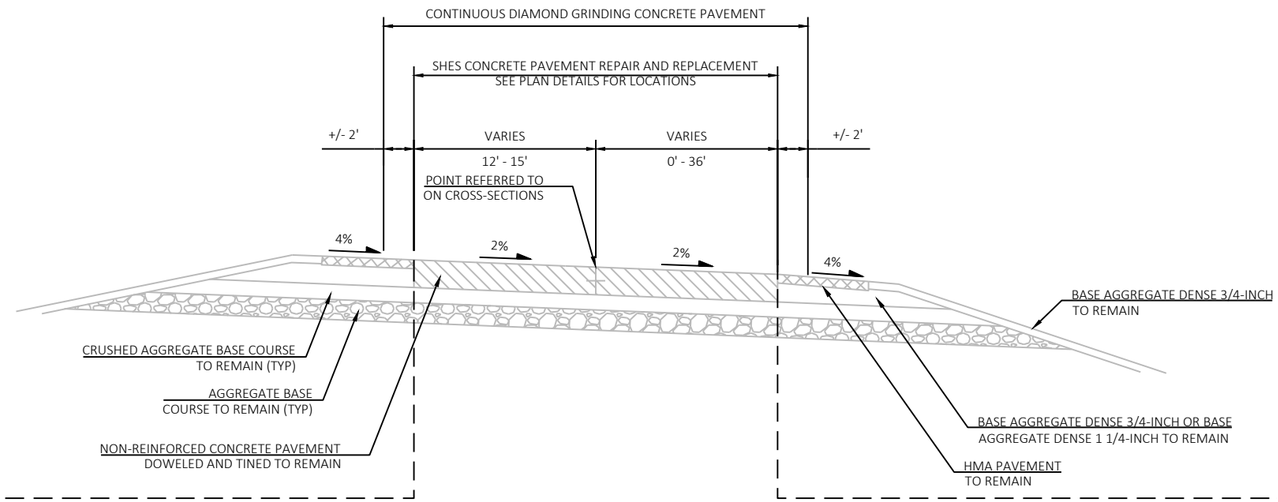


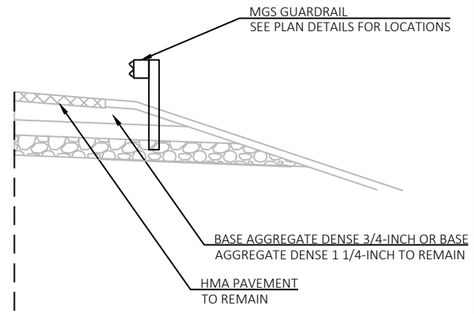
DETAIL FOR ASPHALTIC SHOULDER AT GUARDRAIL



MGS GUARDRAIL LOCATIONS

RAMP BB-A, BB-B
RAMP CA-A, CA-B, CA-C, CA-D
RAMP WI-A, WI-B



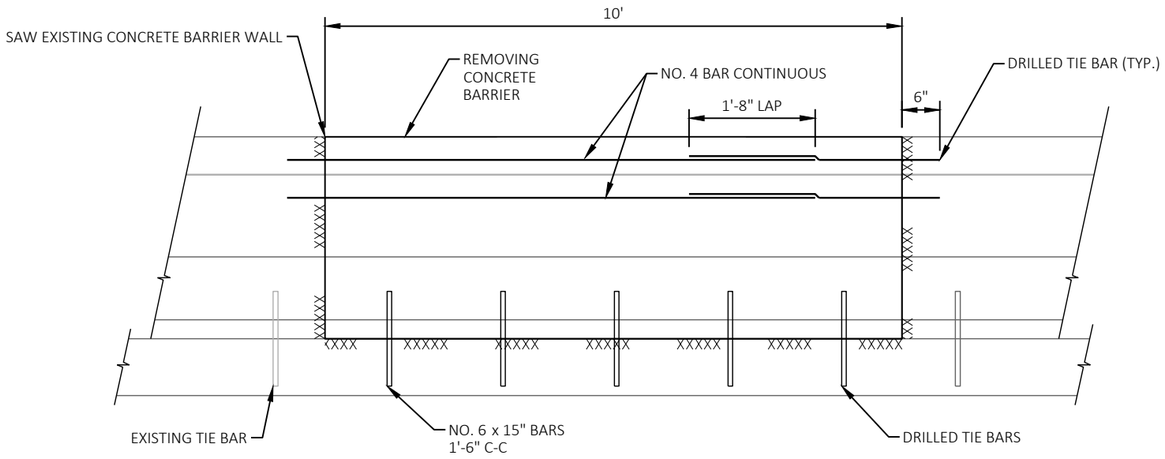


MGS GUARDRAIL LOCATIONS

RAMP II-B
RAMP CA-B, CA-C, CA-D
RAMP WI-B

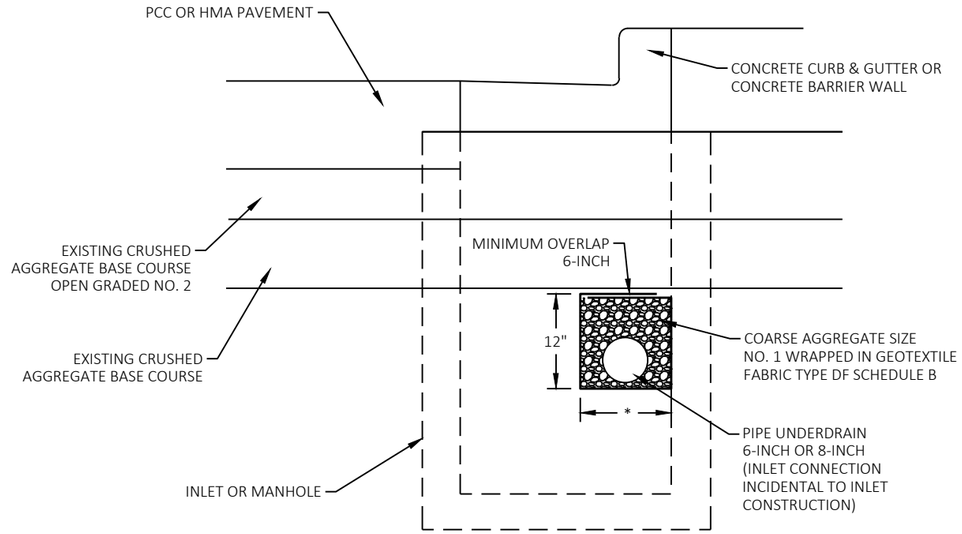
EXISTING RAMP
TYPICAL CONSTRUCTION OPERATIONS

RAMPS JJ-A, JJ-B, JJ-C, JJ-D
RAMPS MS-A, MS-B
RAMPS II-A, II-B, II-C, II-D
RAMPS BB-A, BB-B, BB-C, BB-D
RAMPS CA-A, CA-B, CA-C, CA-D
RAMPS WI-A, WI-B



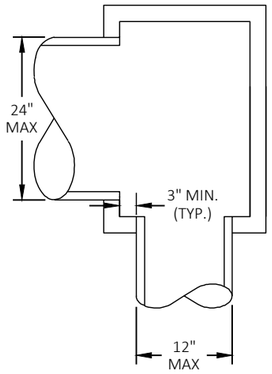
CONCRETE BARRIER SINGLE-FACED 32-INCH

NOTE: CONTRACTOR TO FIELD VERIFY EXISTING UNDERDRAIN ELEVATION AND INSTALL NEW UNDERDRAIN TO PROVIDE POSITIVE DRAINAGE

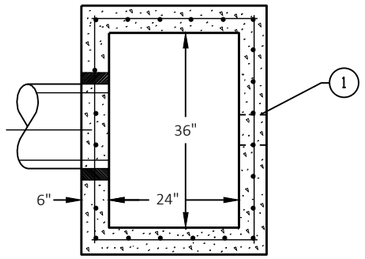


* 12" FOR PIPE UNDERDRAIN 6-INCH
18" FOR PIPE UNDERDRAIN 8-INCH

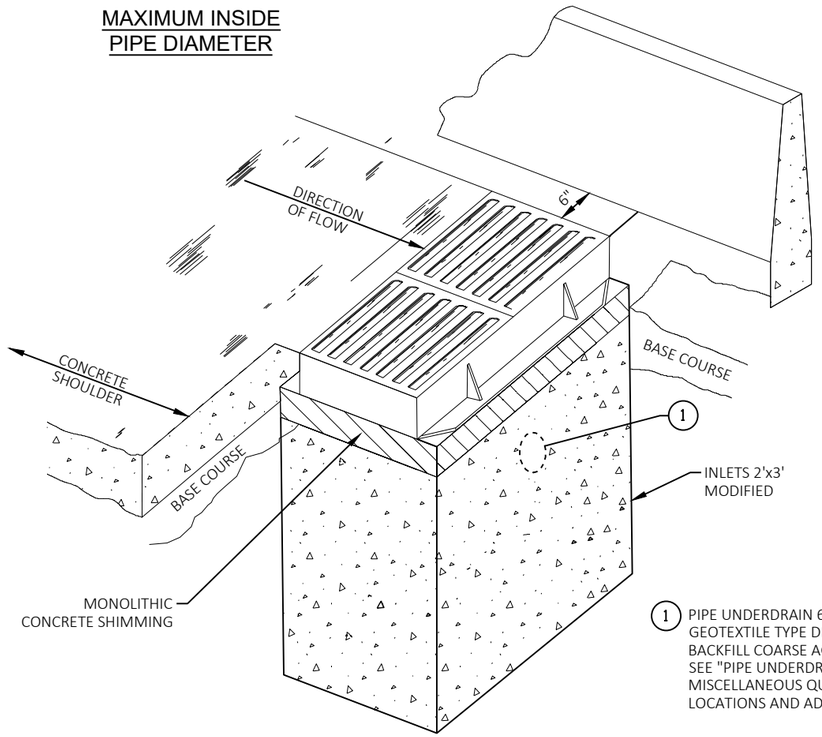
PIPE UNDERDRAIN DETAIL



MAXIMUM INSIDE
PIPE DIAMETER



PLAN VIEW

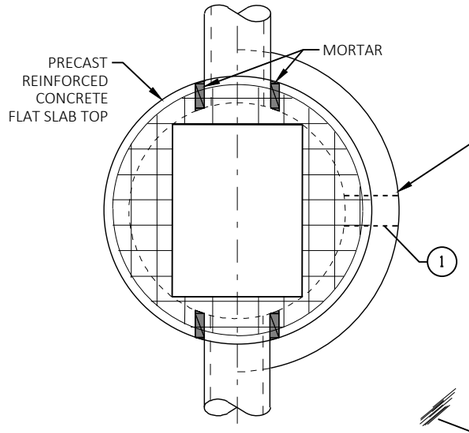


(1) PIPE UNDERDRAIN 6-INCH OR 8-INCH WITH GEOTEXTILE TYPE DF SCHEDULE B AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION.

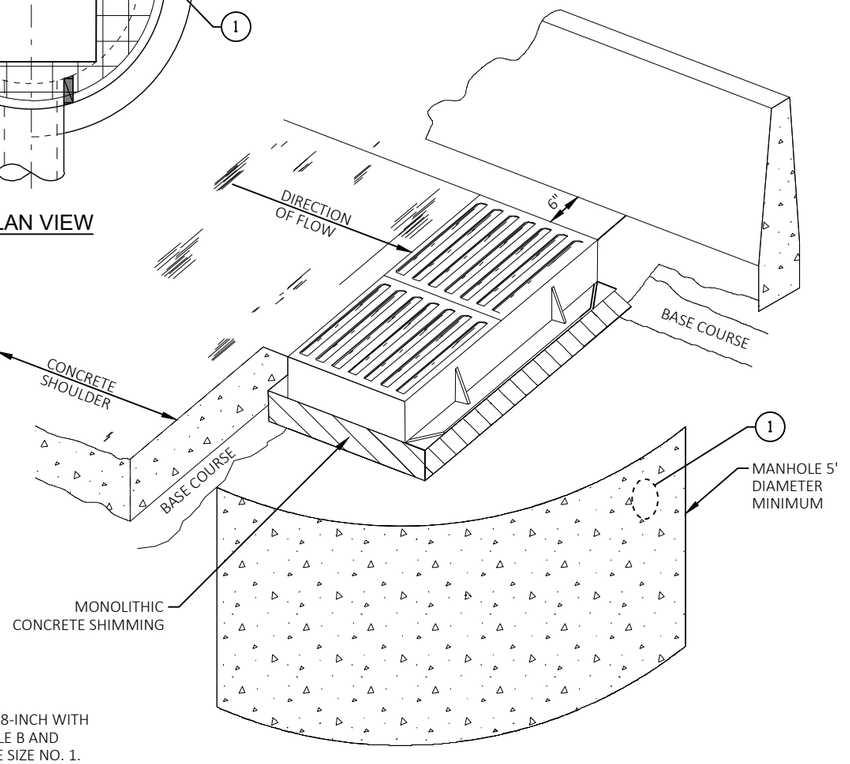
ISOMETRIC VIEW

INLETS 2'x3' MODIFIED

NOT TO SCALE



PLAN VIEW



(1) PIPE UNDERDRAIN 6-INCH OR 8-INCH WITH GEOTEXTILE TYPE DF SCHEDULE B AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION.

ISOMETRIC VIEW

CIRCULAR MANHOLE

NOT TO SCALE

GENERAL NOTES:

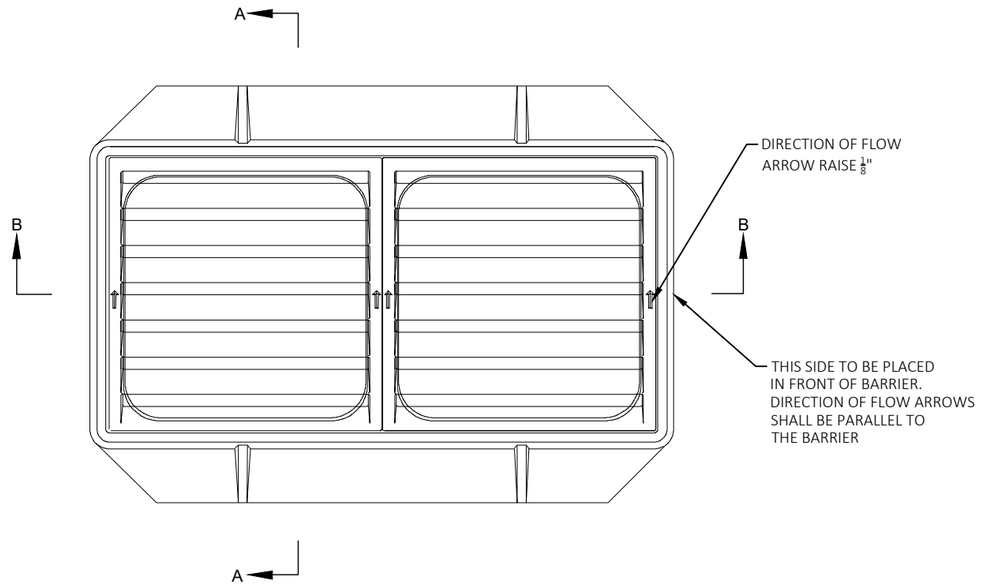
DETAILS OF CONSTRUCTION, MATERIAL, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

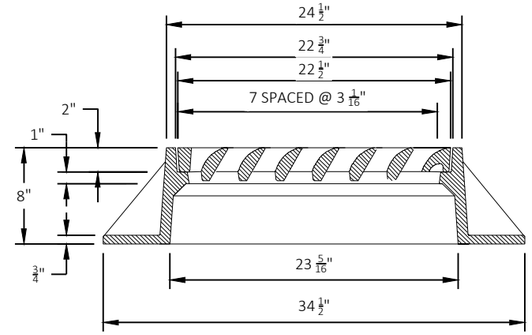
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISIONS FOR EQUIVALENT CAPACITY AND STRENGTH.

GRATES ARE TO BE BOLTED TO FRAME WITH $\frac{1}{2}$" HEX HEAD STAINLESS STEEL BOLTS PER MANUFACTURERS SPECIFICATIONS.

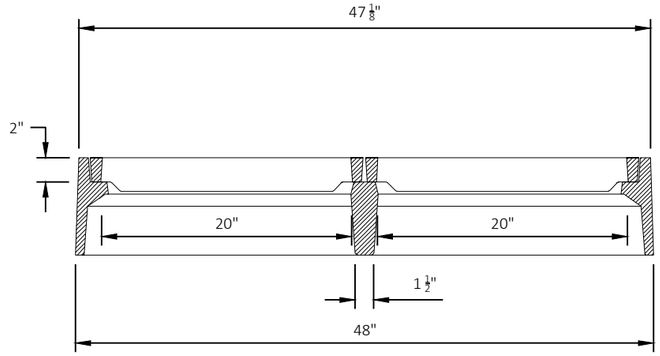
USE INLET COVER OPENING SIZE 2'X3'.

2





SECTION A-A



SECTION B-B

INLET COVERS TYPE 27-M BOLTED

HEAVY DUTY
MATERIAL: CAST IRON GRAY ASTM A-48, CLASS 35B
(APPROXIMATE WEIGHT 638 LBS.)
FRAME 502 LBS
GRATE 136 LBS
SQUARE FOOT OPENING: 3.4 SF
WEIR PERIMETER LINEAL FEET 11.3 FT

GENERAL NOTES:

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

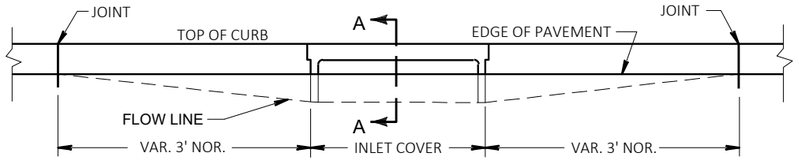
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISIONS FOR EQUIVALENT CAPACITY AND STRENGTH.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT. PLUS OR MINUS OF THE APPROXIMATE WEIGHT.

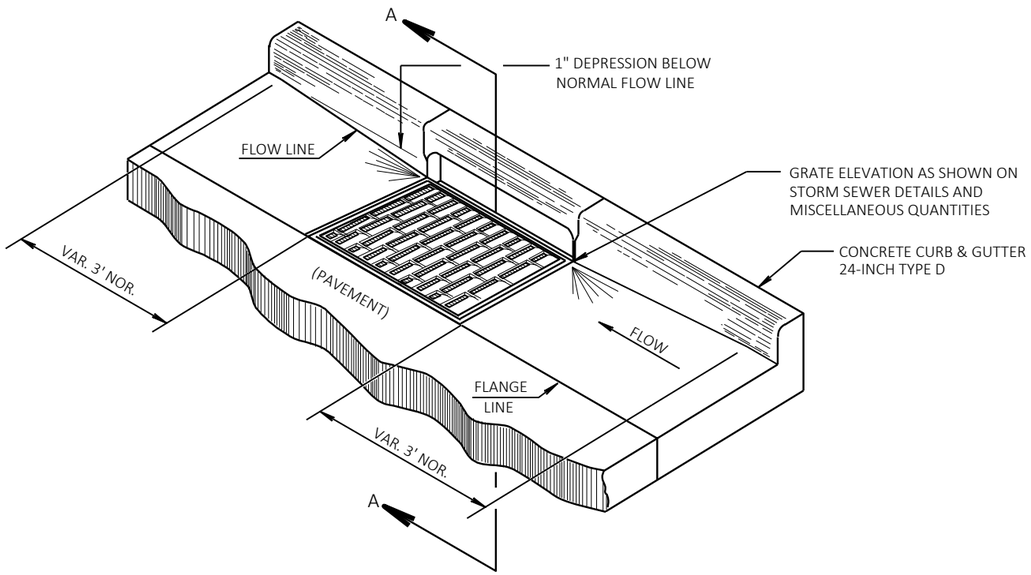
GRATES ARE TO BE BOLTED TO FRAME WITH $\frac{1}{2}$" HEX HEAD STAINLESS STEEL BOLTS PER MANUFACTURERS SPECIFICATIONS.

USE INLET COVER OPENING SIZE 2'X3'.

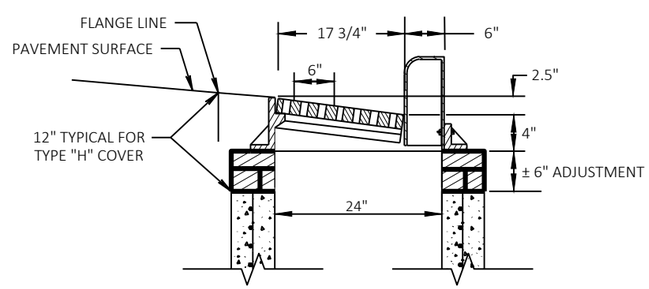
2



ELEVATION



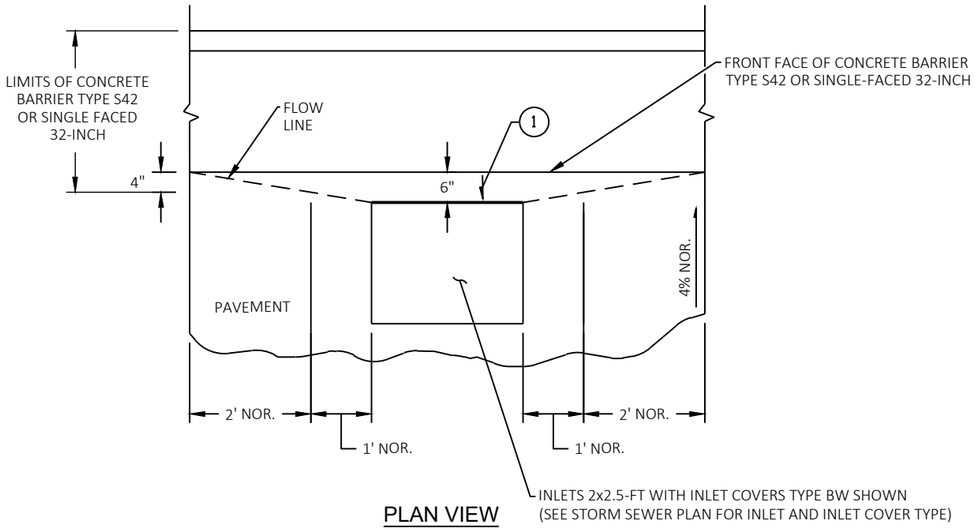
ISOMETRIC VIEW



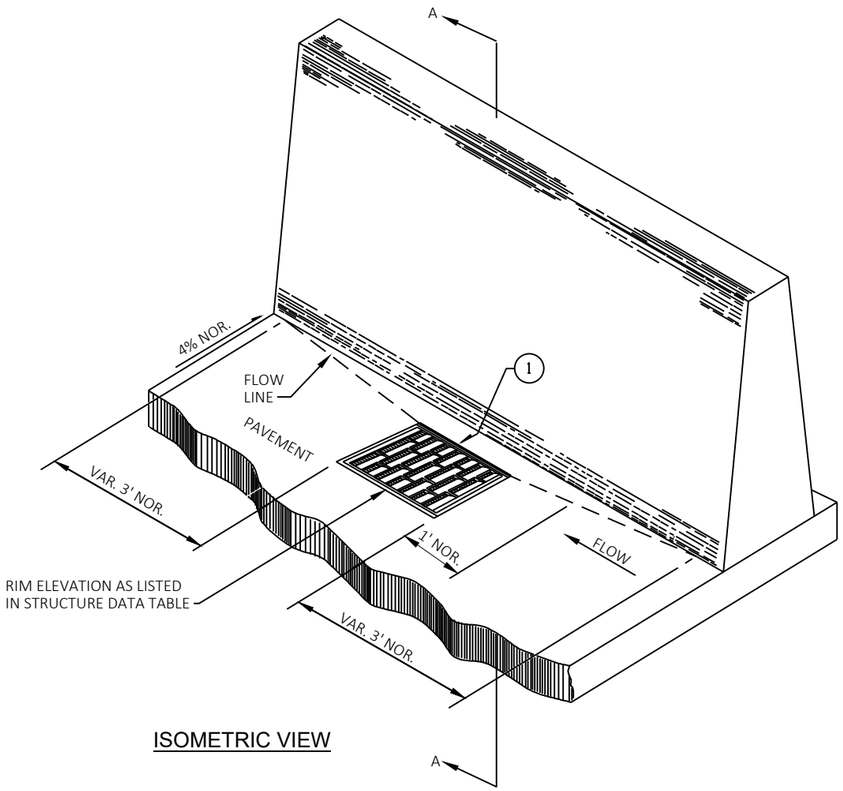
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 2x3 FT - H INLET SHOWN)



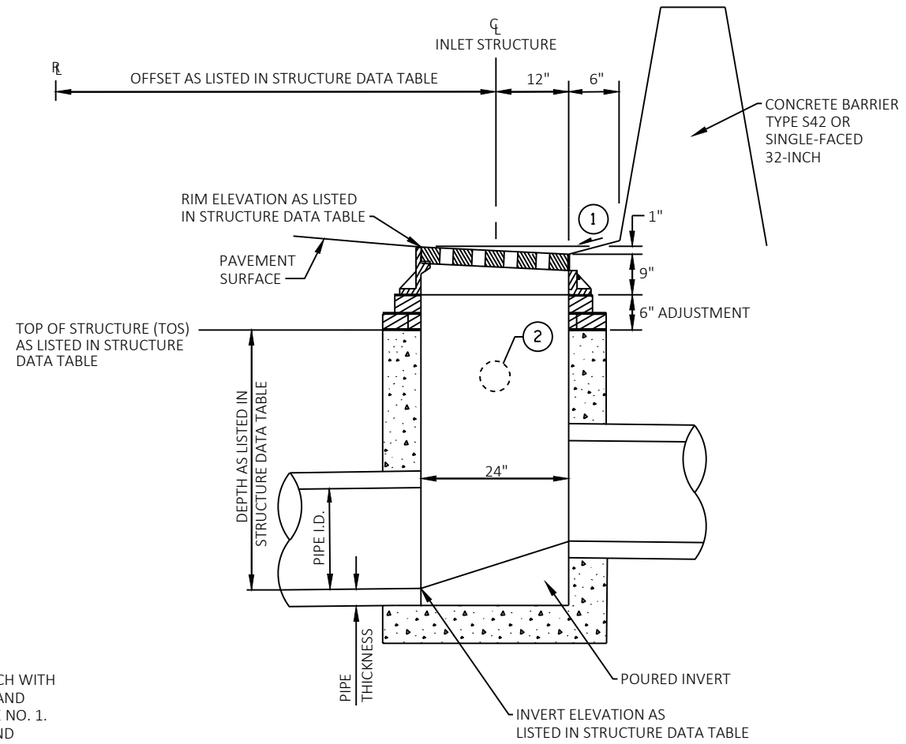
PLAN VIEW



ISOMETRIC VIEW

1. SLOPE TOWARDS INLET CASTING (SLOPE VARIES)

2. PIPE UNDERDRAIN 6-INCH OR 8-INCH WITH GEOTEXTILE TYPE DF SCHEDULE B AND BACKFILL COARSE AGGREGATE SIZE NO. 1. SEE "PIPE UNDERDRAIN DETAIL" AND MISCELLANEOUS QUANTITIES FOR LOCATIONS AND ADDITIONAL INFORMATION.



SECTION A-A

(INLETS 2X2.5-FT WITH INLET COVERS TYPE BW SHOWN)

SEE SDD "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, & 2.5X3-FT" AND "INLETS 3-FT AND 4-FT DIAMETER" FOR ADDITIONAL INFORMATION.

CONCRETE BARRIER TYPE S42 AND SINGLE-FACED 32-INCH AT INLETS 2x2.5-FT DETAIL

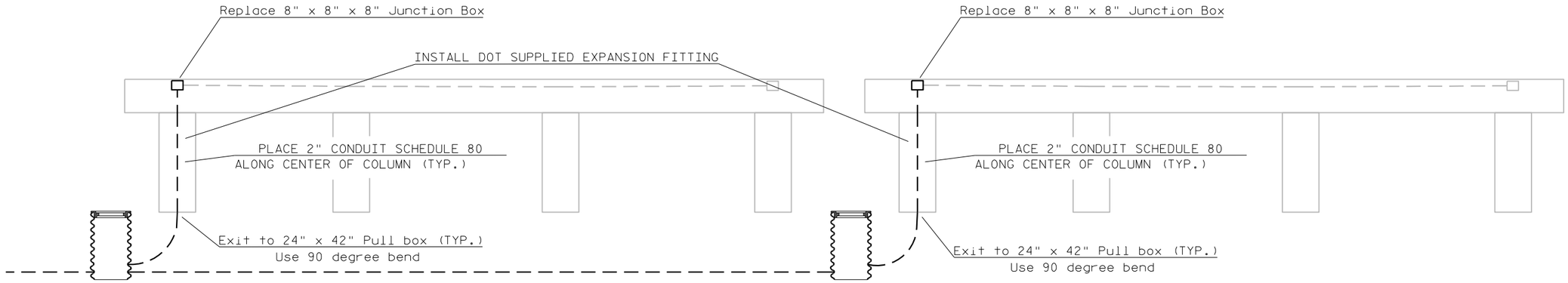
2

N

NOTES:

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

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



LEGEND

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

IH 41 & North/Main/Cecil
CITY OF NEENAH
WINNEBAGO COUNTY

LIGHTING NO. 70-0472

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

3/21/23 SHEET NO. 1 OF 1

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - UNDERDECK LIGHTING STRUCTURE DETAIL	SHEET 26	E

2

N

NOTES:

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

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

Remove Exisiting Control Cabinet

CB1

REMOVE AND REPLACE PULLBOX

PB1

PB2

SPLCIE CONDUIT

LB1

LB2

LB3

LB4

LB5

LB6

LB7

LB8

1215

1215

1215

1215

OUT

SIGN

OH

T

SAN

W

G

E

X

LEGEND

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

IH 41 & Main st
CITY OF NEENAH
WINNEBAGO COUNTY

LIGHTING NO. 70-0474

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 3/21/2023 SHEET NO. 1 OF 1

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - L70-0474 UNDERDECK LIGHTING	SHEET 27	E

FILE NAME : F:\D3_TRAFFI\L70-XXXX (41 & CECIL MAIN NORTH SPENCER)\L40 & L70 UNDERDECK LIGHTING.DWG
LAYOUT NAME - Main
PLOT DATE : 3/21/2023 1:18 PM
PLOT BY : TALCOTT, MATTHEW J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

NOTES:

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

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

Remove Exisiting Control Cabinet

CB1

SPLICE CONDUIT

PB1 LB1 LB2 PB2 LB3 LB4

REMOVE AND REPLACE PULLBOX

LB5 LB6 LB7 LB8

BERM

SIGN

CTH "O"

MH

OUT

INL

LEGEND

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

IH 41 & CTH O (North)
TOWN OF MENASHA
WINNEBAGO COUNTY

LIGHTING NO. 70-0475

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 3/21/2023 SHEET NO. 1 OF 1

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - L70-0475 UNDERDECK LIGHTING	SHEET 28	E

2

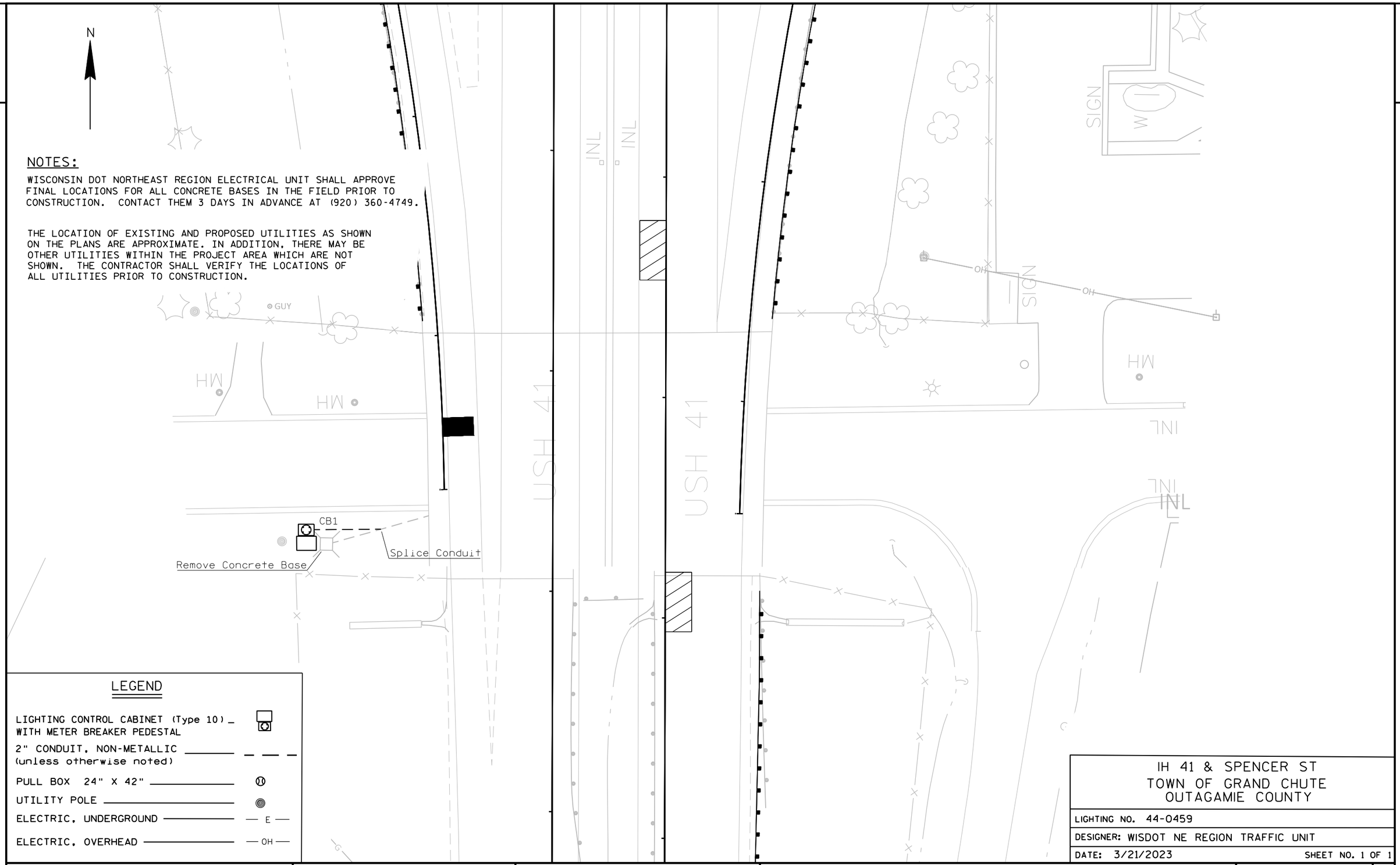
2

N

NOTES:

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

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



LEGEND

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

IH 41 & SPENCER ST
TOWN OF GRAND CHUTE
OUTAGAMIE COUNTY

LIGHTING NO. 44-0459

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 3/21/2023 SHEET NO. 1 OF 1

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - L44-0459 UNDERDECK LIGHTING	SHEET 29	E

FILE NAME : F:\D3_TRAFFI\L70-XXXX (41 & CECIL MAIN NORTH SPENCER)\L40 & L70 UNDERDECK LIGHTING.DWG
LAYOUT NAME - Spencer St

PLOT DATE : 3/21/2023 1:11 PM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

NOTES:

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

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

Remove Exisiting Control Cabinet

SPLICE CONDUIT

CB1

LB5 LB4 LB3 LB2 LB1

PB2 PB1

REMOVE AND REPLACE PULLBOX

LB10 LB9 LB8 LB7 LB6

LEGEND

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

IH 41 & Cecil
CITY OF NEENAH
WINNEBAGO COUNTY

LIGHTING NO. 70-0472

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 3/21/2023 SHEET NO. 1 OF 1

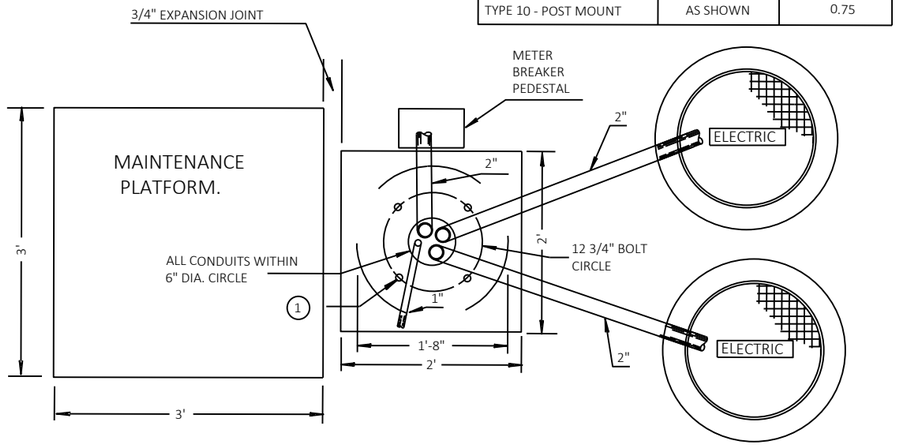
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	CONSTRUCTION DETAIL - L70-0472 UNDERDECK LIGHTING	SHEET 30	E

FILE NAME : F:\D3_TRAFFI\L70-XXXX (41 & CECIL MAIN NORTH SPENCER)\L40 & L70 UNDERDECK LIGHTING.DWG
LAYOUT NAME - Cecil

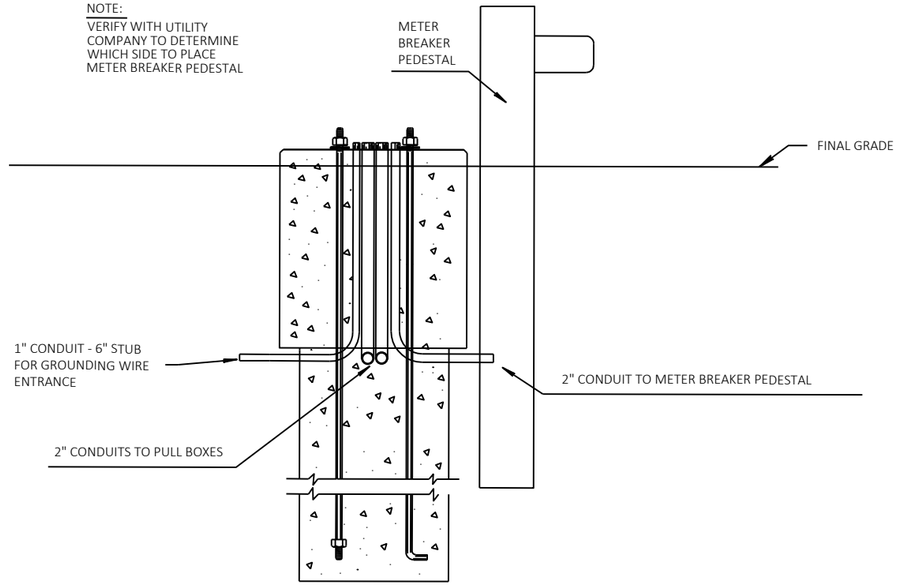
PLOT DATE : 3/21/2023 1:20 PM PLOT BY : TALCOTT, MATTHEW J PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

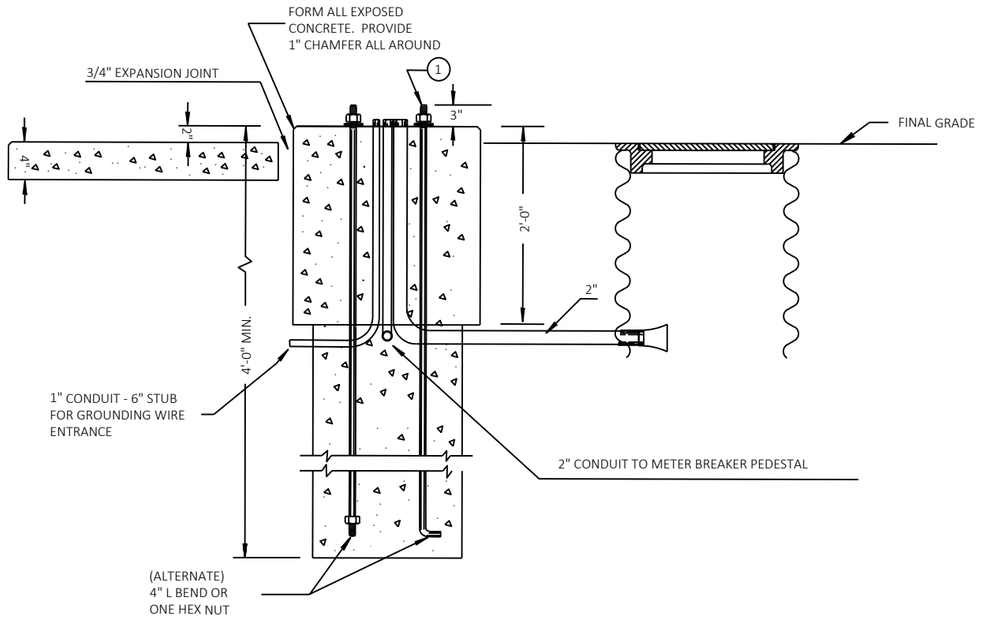
CONTROL CABINET BASE TYPE	DIMENSIONS	C.Y. CONCRETE (APPROX.)
TYPE 10 - POST MOUNT	AS SHOWN	0.75



PLAN VIEW



FRONT VIEW



PROFILE VIEW

GENERAL NOTES

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

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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

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

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

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

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

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

THE "L" BEND SHALL NOT BE THREADED.

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

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

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

1150'SB'+00

IH 41 'SB'

R/L IH 41 'SB'

1155'JJ-A'+00

1155'SB'+00

CONCRETE BARRIER SINGLE-FACED 32-INCH

1150'NB'+00

IH 41 'NB'

R/L IH 41 'NB'

1155'NB'+00

1150'JJ-B'+00

1155'JJ-B'+00

MATCH LINE 1156+34

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 32	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd

PLOT DATE : 5/23/2023 11:32 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

RAMP 'JJ-A'

1160'JJ-A'+00

N

R/L IH 41 'SB'

IH 41 'SB'

1160'SB'+00

MATCH LINE 1156+34

MATCH LINE 1163+84

CONCRETE BARRIER SINGLE-FACED 32-INCH

IH 41 'NB'

R/L IH 41 'NB'

1160'NB'+00

STA 1157'NB'+00.01
35.72' RT
POST #9

STA 1156'NB'+50.01
35.60' RT
POST #1

STA 1156'NB'+75.01
35.66' RT
POST #5

MGS EAT
PARALLEL
INSTALLATION

MGS
GUARDRAIL

RAMP 'JJ-B'

1160'JJ-B'+00

STA. 1157'NB'+03.13 - STA. 1165'NB'+53.13
MGS GUARDRAIL 3 REQ'D

STA. 1156'NB'+50.01 - STA. 1157'NB'+03.13
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:

- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 33	E

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

2

AT&T WISCONSIN

LEVEL 3 COM LLC (LUMEN)

TDS METROCOM

WE ENERGIES (ELECTRIC)

R/L IH 41 'SB'

B-70-123

1165'SB'+00

MATCH LINE 1163+84

CONCRETE BARRIER SINGLE-FACED 32-INCH

1165'NB'+00

STA 1165'NB'+53.13
35.60' RT

STA 1165'NB'+92.53
35.60' RT

MGS
THRIE BEAM

US SIGNAL COMPANY LLC

STA. 1165'NB'+53.13 - STA. 1165'NB'+92.53
MGS THRIE BEAM TRANSITION REQ'D

RAMP 'JJ-B'

1165'JJ-B'+00

B-70-124

WINNECONNE AVE

NEENAH WATER UTILITY

STA. 1167'SB'+83.60 - STA. 1168'SB'+23.00
MGS THRIE BEAM TRANSITION REQ'D

STA. 1168'SB'+23.00 - STA. 1170'SB'+48.00
MGS GUARDRAIL 3 REQ'D

STA. 1170'SB'+48.00 - STA. 1171'SB'+01.12
MGS GUARDRAIL TERMINAL EAT REQ'D

1170'JJ-D'+00

RAMP 'JJ-D'

N

MGS
THRIE BEAM

MGS
GUARDRAIL

MGS
EAT

STA 1167'SB'+83.60
-33.28' LT

STA 1168'SB'+23.00
-33.28' LT

IH 41 'SB'

STA 1170'SB'+76.12
-34.48' LT
POST #5

STA 1171'SB'+01.12
-35.78' LT
POST #1

STA 1170'SB'+51.12
-33.40' LT
POST #9

1170'SB'+00

IH 41 'NB'

1170'NB'+00

R/L IH 41 'NB'

RAMP 'JJ-C'

1170'JJ-C'+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 34	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 5/23/2023 2:36 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

N

R/L IH 41 'SB'

IH 41 'SB'

1205'SB'+00

CONCRETE BARRIER SINGLE-FACED 32-INCH

IH 41 'NB'

1205'NB'+00

1205'MS-A'+00

R/L IH 41 'NB'

MATCH LINE 1208+00

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 35	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd

PLOT DATE : 5/23/2023 11:35 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

N

WE ENERGIES (ELECTRIC)

RAMP 'MS-B'

1215'MS-B'+00

R/L IH 41 'SB'

IH 41 'SB'

1210'SB'+00

1215'SB'+00

MATCH LINE 1208+00

CONCRETE BARRIER SINGLE-FACED 32-INCH

MATCH LINE 1215+62

1210'NB'+00

R/L IH 41 'NB'

IH 41 'NB'

1215'NB'+00

STA 1208'NB'+56.72
35.77' RT
POST #9

STA 1208'NB'+06.75
37.65' RT
POST #1

STA 1208'NB'+31.73
36.71' RT
POST #5

STA 1215'NB'+13.21
26.00' RT

STA 1215'NB'+13.21
33.32' RT

STA 1215'NB'+13.21
36.32' RT

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

STA 1215'NB'+34.84
35.65' RT

RAMP 'MS-A'

1210'MS-A'+00

1215'MS-A'+00

MGS
EAT

MGS
GUARDRAIL

STA. 1208'NB'+06.75 - STA. 1208'NB'+59.85
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1208'NB'+59.85 - STA. 1215'NB'+34.84
MGS GUARDRAIL 3 REQ'D

STA. 1215'NB'+34.84 - STA. 1215'NB'+74.23
MGS THRIE BEAM TRANSITION REQ'D

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 36	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 5/23/2023 11:36 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

AT&T WISCONSIN

SPECTRUM

MAIN ST

STA. 1217'SB'+31.34 - STA. 1217'SB'+70.73
MGS THRIE BEAM TRANSITION REQ'D

STA. 1217'SB'+70.73 - STA. 1221'SB'+33.42
MGS GUARDRAIL 3 REQ'D

STA. 1221'SB'+33.42 - STA. 1221'SB'+86.59
MGS GUARDRAIL TERMINAL EAT REQ'D

N

AT&T WISCONSIN

MGS
THRIE BEAM

MGS
GUARDRAIL

MGS
EAT

STA 1221'SB'+61.57
-45.80' LT
POST #5

STA 1221'SB'+86.59
-46.60' LT
POST #1

STA 1217'SB'+31.34
-45.18' LT

STA 1217'SB'+70.73
-45.18' LT

STA 1221'SB'+36.55
-44.87' LT
POST #9

B-70-125

R/L IH 41 'SB'

IH 41 'SB'

1220'SB'+00

MATCH LINE 1215+62

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

CONCRETE BARRIER SINGLE-FACED 32-INCH

STA 1215'NB'+71.73
33.32' RT

B-70-126

STA 1215'NB'+87.37
26.00' RT

STA 1215'NB'+87.80
35.65' RT

STA 1215'NB'+74.23
35.65' RT

STA 1215'NB'+71.73
36.32' RT

R/L IH 41 'NB'

IH 41 'NB'

1220'NB'+00

SIGN

AT&T LOCAL NETWORK

WE ENERGIES (ELECTRIC)

MGS
THRIE BEAM

STA. 1215'NB'+34.84 - STA. 1215'NB'+74.23
MGS THRIE BEAM TRANSITION REQ'D

WE ENERGIES (GAS)

CAUTION

AT&T LOCAL NETWORK

MATCH LINE 1223+24

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 37	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd

PLOT DATE : 5/23/2023 11:37 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

N

CTH O

STA. 1228'SB'+12.24 - STA. 1228'SB'+51.63
MGS THRIE BEAM TRANSITION REQ'D

STA. 1228'SB'+51.63 - STA. 1234'SB'+76.57
MGS GUARDRAIL 3 REQ'D

MGS
THRIE BEAM

STA 1228'SB'+14.74
-45.52' LT

STA 1228'SB'+12.24
-44.86' LT

STA 1228'SB'+03.82
-44.86' LT

STA 1228'SB'+51.63
-44.86' LT

STA 1228'SB'+73.26
-45.53' LT

STA 1228'SB'+73.26
-42.53' LT

STA 1228'SB'+04.33
-38.00' LT

STA 1228'SB'+73.26
-38.00' LT

STA 1228'SB'+14.74
-42.53' LT

BERM

SIGN

B-70-127

IH 41 'SB'

1225'SB'+00

1230'SB'+00

R/L IH 41 'SB'

CONCRETE BARRIER SINGLE-FACED 32-INCH

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

R/L IH 41 'NB'

1225'NB'+00

1230'NB'+00

B-70-128

IH 41 'NB'

STA 1223'NB'+82.48
35.90' RT
POST #9

STA 1226'NB'+74.77
35.78' RT

STA 1226'NB'+35.37
35.78' RT

STA 1223'NB'+32.57
37.83' RT
POST #1

STA 1223'NB'+57.52
36.86' RT
POST #5

MGS
EAT

MGS
GUARDRAIL

MGS
THRIE BEAM

STA. 1223'NB'+32.57 - STA. 1223'NB'+85.61
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1223'NB'+85.61 - STA. 1226'NB'+35.37
MGS GUARDRAIL 3 REQ'D

STA. 1226'NB'+35.37 - STA. 1226'NB'+74.77
MGS THRIE BEAM TRANSITION REQ'D

WE ENERGIES (GAS)

WE ENERGIES (ELECTRIC)

RIDGEWAY RD

CAUTION

MATCH LINE 1223+24

MATCH LINE 1230+86

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 38	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd

PLOT DATE : 5/23/2023 11:39 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STA. 1228'SB'+51.63 - STA. 1234'SB'+76.57
MGS GUARDRAIL 3 REQ'D

STA. 1234'SB'+76.57 - STA. 1235'SB'+29.55
MGS GUARDRAIL TERMINAL EAT REQ'D

MGS
GUARDRAIL

MGS
EAT

BERM

BERM

BERM

STA 1235'SB'+04.62
50.48' LT
POST #5

STA 1235'SB'+29.55
52.31' LT
POST #1

STA 1234'SB'+79.69
-48.65' LT
POST #9

IH 41 'SB'

1235'SB'+00

R/L IH 41 'SB'

MATCH LINE 1230+86

SIGN

SIGN

1235'NB'+00

IH 41 'NB'

R/L IH 41 'NB'

RIDGEWAY RD.

CEMETERY

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 39	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021208-pd

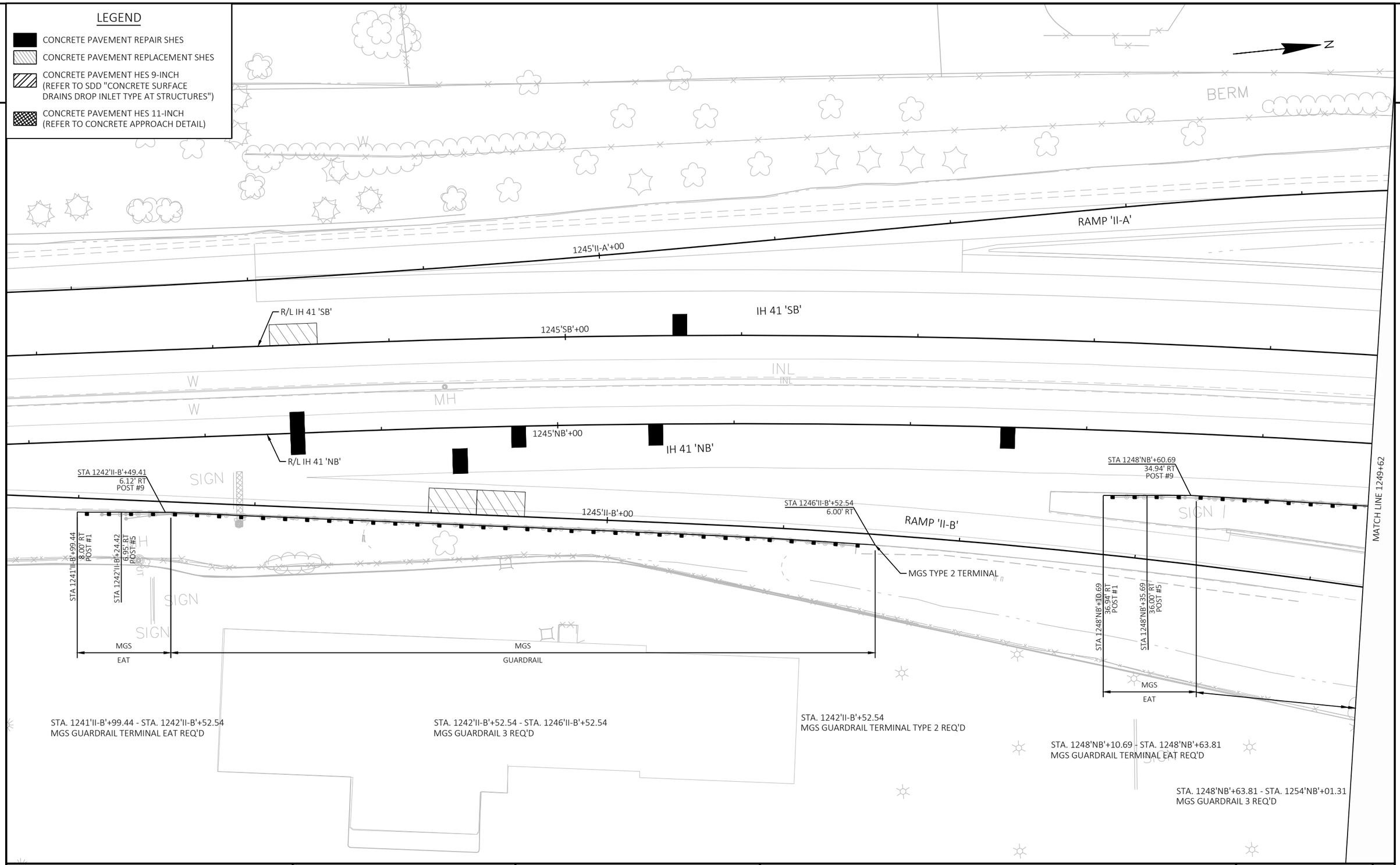
PLOT DATE : 5/23/2023 11:40 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



STA. 1241'II-B'+99.44 - STA. 1242'II-B'+52.54
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1242'II-B'+52.54 - STA. 1246'II-B'+52.54
MGS GUARDRAIL 3 REQ'D

STA. 1242'II-B'+52.54
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1248'NB'+10.69 - STA. 1248'NB'+63.81
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1248'NB'+63.81 - STA. 1254'NB'+01.31
MGS GUARDRAIL 3 REQ'D

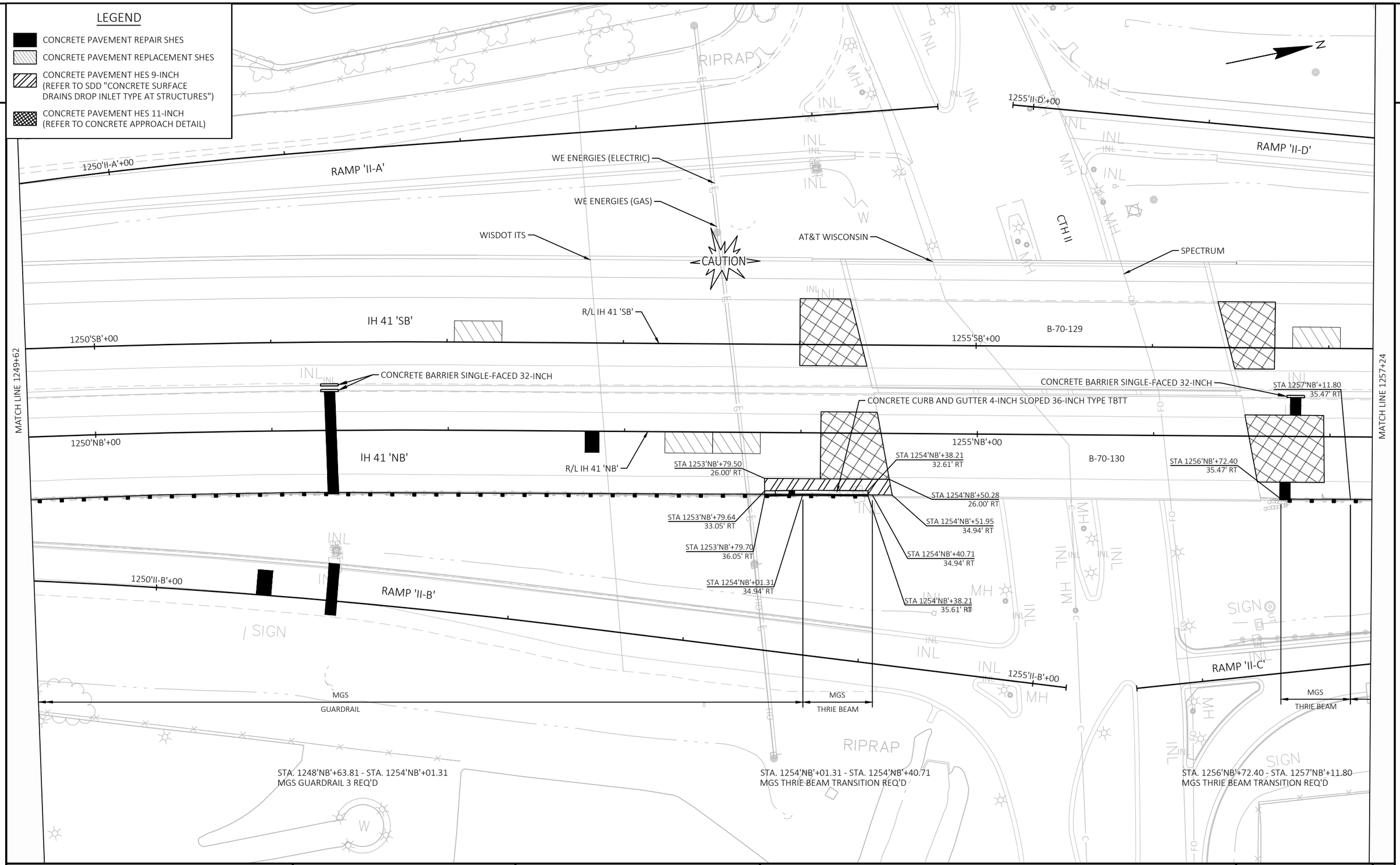
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 40	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021209-pd
PLOT DATE : 5/23/2023 11:41 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



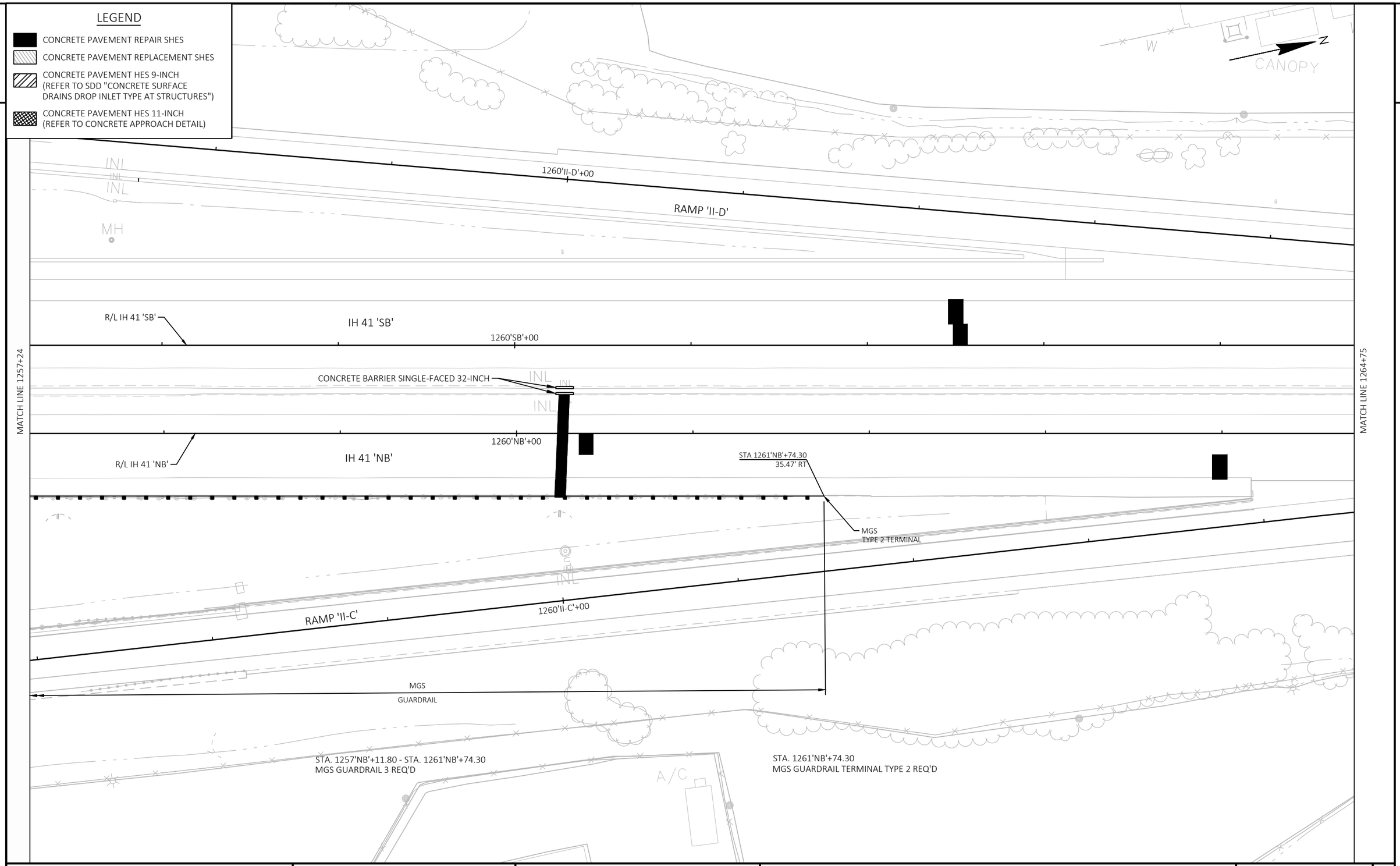
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 41	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021210-pd
PLOT DATE : 5/23/2023 11:42 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 42	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd

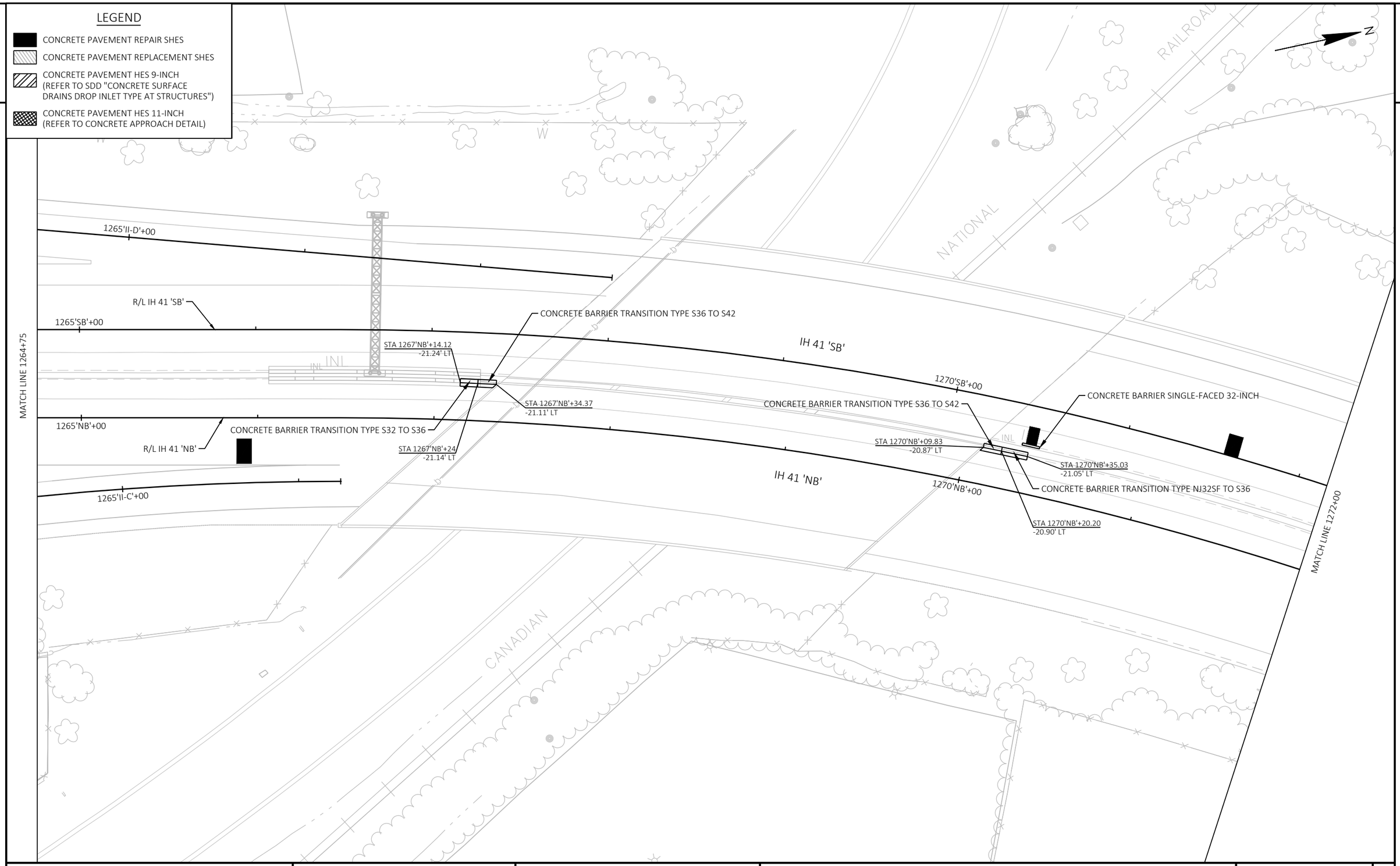
PLOT DATE : 5/23/2023 11:43 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 43	E

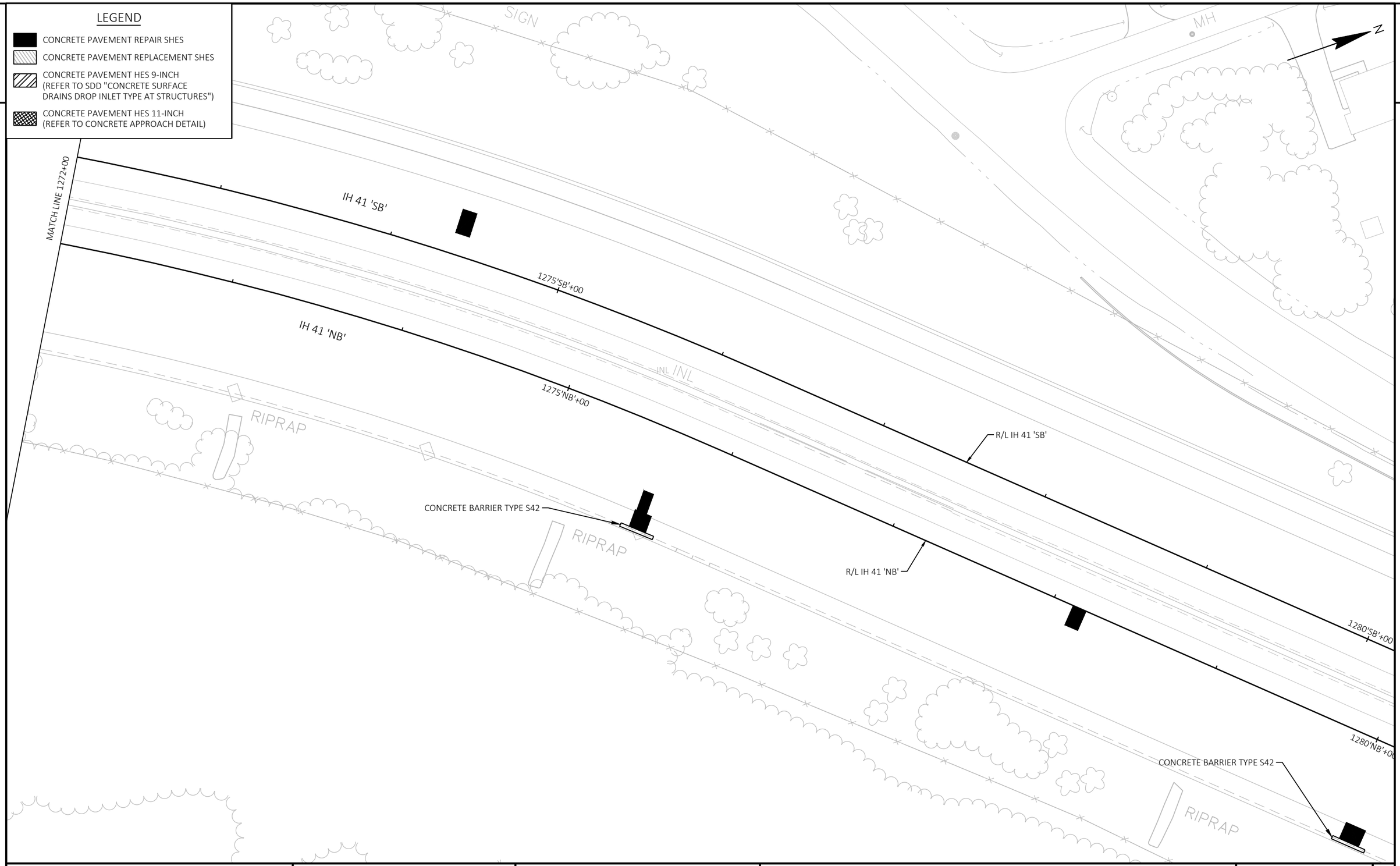
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021212-pd

PLOT DATE : 5/23/2023 11:43 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 44	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021213-pd

PLOT DATE : 5/23/2023 11:44 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STA. 1394'SB'+32.32
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1394'SB'+32.32 - STA. 1395'SB'+44.82
MGS GUARDRAIL 3 REQ'D

STA. 1395'SB'+44.82 - STA. 1395'SB'+97.94
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.

MGS GUARDRAIL

MGS EAT PARALLEL INSTALLATION

MGS TYPE 2 TERMINAL

STA 1394'SB'+32.32
-36.00' LT

STA 1395'SB'+47.95
-36.00' LT
POST #9

STA 1395'SB'+72.94
-36.00' LT
POST #5

STA 1395'SB'+97.94
-36.00' LT
POST #1

CAUTION

WE ENERGIES (GAS)

HOLLY DR.

R/L IH 41 'SB'

IH 41 'SB'

1395'SB'+00

1400'SB'+00

1395'NB'+00

1400'NB'+00

STA 1394'NB'+67.84
34.00' RT
POST #9

STA 1396'NB'+08.46
33.95' RT

R/L IH 41 'NB'

IH 41 'NB'

WETLAND BOUNDARY

MGS TYPE 2 TERMINAL

STA 1394'NB'+17.87
34.00' RT
POST #1

STA 1394'NB'+42.84
34.00' RT
POST #5

MGS EAT PARALLEL INSTALLATION

MGS GUARDRAIL

STA. 1396'NB'+08.46
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1394'NB'+70.96 - STA. 1396'NB'+08.46
MGS GUARDRAIL 3 REQ'D

STA. 1394'NB'+17.87 - STA. 1394'NB'+70.96
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.

ATC

WINDSTREAM KDL

NORTHERN RD.

MATCH LINE 1401+62

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 45	E

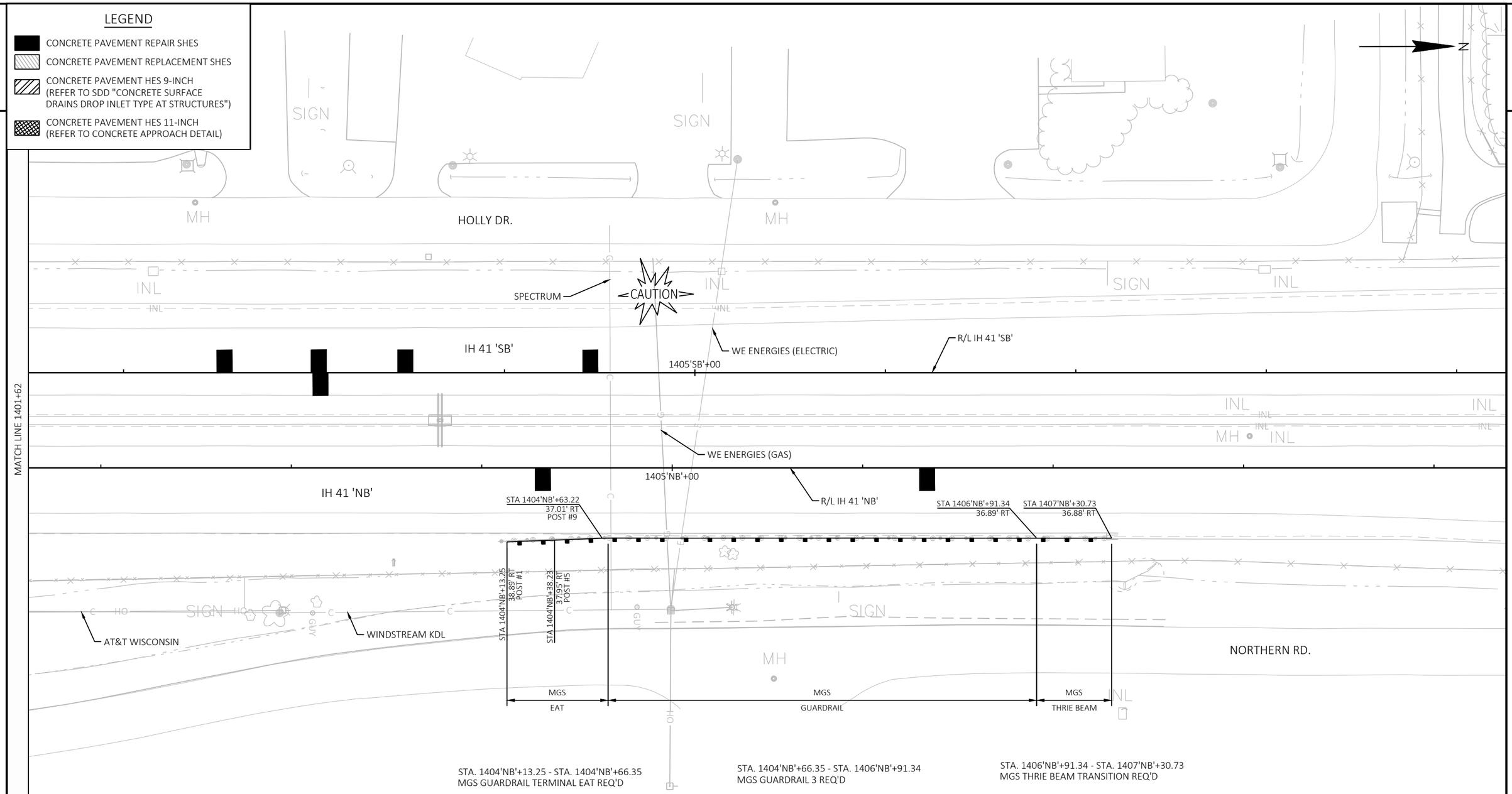
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021214-pd

PLOT DATE : 5/23/2023 11:45 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



STA. 1404'NB'+13.25 - STA. 1404'NB'+66.35
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1404'NB'+66.35 - STA. 1406'NB'+91.34
MGS GUARDRAIL 3 REQ'D

STA. 1406'NB'+91.34 - STA. 1407'NB'+30.73
MGS THRIE BEAM TRANSITION REQ'D

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 46	E

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

STA. 1425'BB-A'+90.85 - STA. 1426'BB-A'+43.94
MGS GUARDRAIL TERMINAL EAT

STA 1425'BB-A'+93.97
-9.12' LT
POST #9

STA. 1422'BB-A'+65.85 - STA. 1425'BB-A'+90.85
MGS GUARDRAIL 3 REQ'D

RIPRAP

MUD CREEK

STA. 1422'BB-A'+65.85
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

1425'BB-A'+00

MGS TYPE 2 TERMINAL

STA 1426'BB-A'+43.96
-11.00' LT
POST #4

STA 1427'BB-A'+18.96
-10.09' LT
POST #5

TDS METROCOM

FO

RAMP 'BB-A'

MGS
EAT

NET LEC LLC

STA 1422'BB-A'+65.85
-9.00' LT

MGS
GUARDRAIL

AT&T LOCAL NETWORK

AT&T WISCONSIN

CTH BB/W. PROSPECT AVE.

STA. 1429'SB'+92.02 - STA. 1430'SB'+31.42
MGS THRIE BEAM TRANSITION REQ'D

R/L IH 41 'SB'

IH 41 'SB'

1425'SB'+00

B-70-135

STA 1429'SB'+92.02
-34.87' LT

1430'SB'

INL

CONCRETE BARRIER SINGLE-FACED 32-INCH

MATCH LINE 1430+30

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

1425'NB'+00

IH 41 'NB'

STA 1427'NB'+06.29
26.00' RT

STA 1427'NB'+65.33
31.90' RT

B-70-136

1430'NB'+00

STA 1424'NB'+87.85
34.33' RT
POST #9

STA 1427'NB'+81.88
26.00' RT

STA 1427'NB'+06.29
32.15' RT

STA 1427'NB'+79.09
34.15' RT

R/L IH 41 'NB'

STA 1427'NB'+06.29
35.15' RT

STA 1427'NB'+67.86
34.22' RT

STA 1427'NB'+28.47
34.22' RT

STA 1427'NB'+65.34
34.90' RT

STA 1424'NB'+37.85
36.22' RT
POST #1

STA 1424'NB'+62.85
35.27' RT
POST #5

WINDSTREAM KDL

WINNEBAGO COUNTY

OUTAGAMIE COUNTY

MGS
EAT

MGS
GUARDRAIL

MGS
THRIE BEAM

WETLAND BOUNDARY

SPECTRUM

STA. 1424'NB'+37.85 - STA. 1424'NB'+90.98
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1424'NB'+90.98 - STA. 1427'NB'+28.47
MGS GUARDRAIL 3 REQ'D

STA. 1427'NB'+28.47 - STA. 1427'NB'+67.86
MGS THRIE BEAM TRANSITION REQ'D

1430'BB-C'+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	PLAN DETAILS	SHEET 47	E

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

2

N

1430'BB-D'+00

STA. 1429'SB'+92.02 - STA. 1430'SB'+31.42
MGS THRIE BEAM TRANSITION REQ'D

STA. 1430'SB'+31.42 - STA. 1432'NB'+56.43
MGS GUARDRAIL 3 REQ'D

STA. 1432'SB'+56.42 - STA. 1433'SB'+09.55
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

MGS THRIE BEAM

MGS GUARDRAIL

MGS EAT PARALLEL INSTALLATION

STA 1432'SB'+84.55
-34.85' LT
POST #5

STA 1433'SB'+09.55
-34.88' LT
POST #1

STA 1430'SB'+31.42
-34.87' LT

STA 1432'SB'+59.55
-34.99' LT
POST #9

RAMP 'BB-D'

1435'BB-D'+00

MATCH LINE 1430+30

CONCRETE BARRIER SINGLE-FACED 32-INCH

R/L IH 41 'SB'

1435'SB'+00

IH 41 'SB'

R/L IH 41 'NB'

1435'NB'+00

IH 41 'NB'

1435'BB-C'+00

RAMP 'BB-C'

SIGN

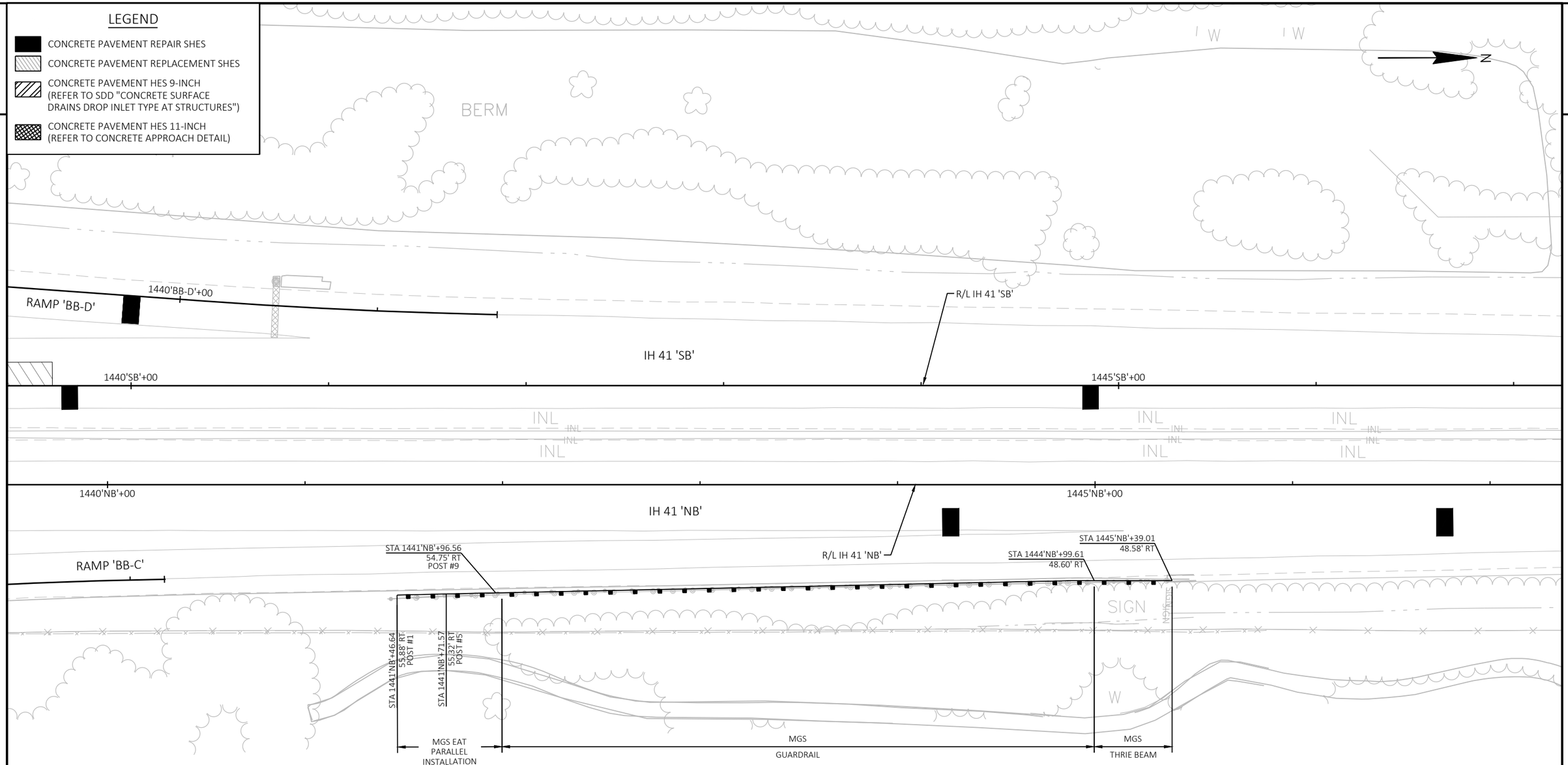
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 48	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021217-pd
PLOT DATE : 5/23/2023 11:48 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)



STA. 1441'NB'+46.64 - STA. 1441'NB'+99.68
MGS GUARDRAIL TERMINAL EAT

GRADING NOTES:

- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.
- REDUCE THE STANDARD 4:1 OR FLATTER SLOPE BEYOND THE SHOULDER HINGE POINT TO 3:1. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

STA. 1441'NB'+99.68 - STA. 1444'NB'+99.61
MGS GUARDRAIL 3 REQ'D

STA. 1444'NB'+99.61 - STA. 1445'NB'+39.01
MGS THRIE BEAM TRANSITION REQ'D

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 49	E

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

STA. 1470'SB'+99.34
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1470'SB'+99.34 - STA. 1473'NB'+36.82
MGS GUARDRAIL 3 REQ'D

STA. 1473'SB'+36.82 - STA. 1473'SB'+89.88
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

N

MGS GUARDRAIL

MGS EAT PARALLEL INSTALLATION

SIGN

SIGN

SIGN

MGS TYPE 2 TERMINAL

R/L IH 41 'SB'

STA 1473'SB'+64.91
-38.43' LT
POST #5

STA 1473'SB'+89.88
-38.77' LT
POST #1

STA 1470'SB'+99.34
-34.88' LT

STA 1473'SB'+39.94
-38.20' LT
POST #9

IH 41 'SB'

1470'SB'+00

1475'SB'+00

1470'NB'+00

1475'NB'+00

IH 41 'NB'

CAUTION

WE ENERGIES (GAS)

R/L IH 41 'NB'

WESTLAND DR

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 50	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021219-pd

PLOT DATE : 5/23/2023 11:49 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

2

WE ENERGIES (GAS)

WE ENERGIES (GAS)

STA 1483'CA-A'+06.98 -6.50' LT

STA 1483'CA-A'+46.38 -6.50' LT

TDS METROCOM

LEVEL 3 COM LLC (LUMEN) B-44-163

SPECTRUM

WINDSTREAM KDL

R/L IH 41 'SB'

1480'SB'+00

IH 41 'SB'

1485'SB'+00

STA. 1483'CA-A'+06.98 - STA. 1483'CA-A'+46.38
MGS THRIE BEAM TRANSITION REQ'D

CAUTION

ANR PIPELINE COMPANY

MGS EAT PARALLEL INSTALLATION

MGS GUARDRAIL

MGS THRIE BEAM

STA. 1483'CA-A'+46.38 - STA. 1486'CA-A'+08.88
MGS GUARDRAIL 3 REQ'D

1485'CA-A'+00

RAMP 'CA-A'

STA 1486'CA-A'+12.00 -5.05' LT POST 9

STA. 1486'CA-A'+08.88 - STA. 1486'CA-A'+62.00
MGS GUARDRAIL TERMINAL EAT REQ'D

SEE NEXT PAGE FOR GRADING NOTES

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

CONCRETE BARRIER SINGLE-FACED 32-INCH

1480'NB'+00

R/L IH 41 'NB'

B-44-164

IH 41 'NB'

1485'NB'+00

STA 1479'NB'+44.85 38.55' RT POST #9

STA 1478'NB'+94.86 39.56' RT POST #1

STA 1479'NB'+19.85 39.06' RT POST #5

WE ENERGIES (GAS)

STA 1481'NB'+51.29 34.32' RT

STA 1481'NB'+51.29 40.06' RT

STA 1481'NB'+51.29 43.06' RT

STA 1481'NB'+72.93 42.81' RT

STA 1482'NB'+09.82 40.48' RT

STA 1482'NB'+20.82 34.57' RT

STA 1482'NB'+20.84 42.81' RT

STA 1482'NB'+12.32 42.81' RT

STA 1482'NB'+09.82 43.48' RT

STA 18'CA-B'+38.39 10.00' RT

STA 18'CA-B'+77.79 10.00' RT

20'CA-B'+00

RAMP 'CA-B'

WETLAND BOUNDARY

STA 21'CA-B'+02.79 15.54' RT

MGS TYPE 2 TERMINAL END

MGS EAT

MGS GUARDRAIL

MGS THRIE BEAM

MGS THRIE BEAM

MGS GUARDRAIL

STA. 1478'NB'+94.86 - STA. 1479'NB'+47.98
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1479'NB'+47.98 - STA. 1481'NB'+72.93
MGS GUARDRAIL 3 REQ'D

STA. 1481'NB'+72.93 - STA. 1482'NB'+12.32
MGS THRIE BEAM TRANSITION REQ'D

STA. 18'CA-B'+38.39 - STA. 18'CA-B'+77.79
MGS THRIE BEAM TRANSITION REQ'D

STA. 18'CA-B'+77.79 - STA. 21'CA-B'+02.79
MGS GUARDRAIL 3 REQ'D

STA. 21'CA-B'+02.79
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

WESTLAND DR.

W. SPENCER ST.

CAUTION

SIGN

MATCH LINE 1486+57

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 51	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021220-pd

PLOT DATE : 5/23/2023 2:41 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCH LINE 1486+57

MATCH LINE 1494+19

N

RAMP 'CA-A'

STA 1486'CA-A'+62.00
-5.64' LT
POST #1

STA 1486'CA-A'+37.01
-5.30' LT
POST #5

STA. 1486'CA-A'+08.88 - STA. 1486'CA-A'+62.00
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.
- REDUCE THE STANDARD 4:1 OR FLATTER SLOPE BEYOND THE SHOULDER HINGE POINT TO 3:1. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

CAUTION

CAUTION

AT&T LOCAL NETWORK

AT&T WISCONSIN

TDS METROCOM

R/L IH 41 'SB'

IH 41 'SB'

1490'SB'+00

W

CONCRETE BARRIER SINGLE-FACED 32-INCH

INL

INL

1490'NB'+00

IH 41 'NB'

R/L IH 41 'NB'

STA 1490'NB'+68.79
33.70' RT
POST #9

STA 1493'NB'+48.81
33.57' RT

STA 1490'NB'+18.83
35.58' RT
POST #1

STA 1490'NB'+43.81
34.64' RT
POST #5

STA 1493'NB'+09.41
33.58' RT

MGS EAT

MGS GUARDRAIL

MGS THRIE BEAM

STA. 22'CA-B'+78.66 - STA. 23'CA-B'+31.75
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 23'CA-B'+31.75 - STA. 24'CA-B'+06.74
MGS GUARDRAIL 3 REQ'D

STA. 24'CA-B'+06.74
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA 22'CA-B'+78.66
25.98' LT
POST #1

STA 23'CA-B'+02.64
26.93' LT
POST #5

MGS EAT

MGS GUARDRAIL

STA 23'CA-B'+28.62
-27.88' LT
POST #9

MGS TYPE 2 TERMINAL

STA 24'CA-B'+06.74
-28.00' LT

STA. 1490'NB'+18.83 - STA. 1490'NB'+71.92
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1490'NB'+71.92 - STA. 1493'NB'+09.41
MGS GUARDRAIL 3 REQ'D

STA. 1493'NB'+09.41 - STA. 1493'NB'+48.81
MGS THRIE BEAM TRANSITION REQ'D

STA 23'CA-B'+40.38
32.12' RT
POST #9

STA 24'CA-B'+06.00
32.00' RT

STA 22'CA-B'+90.41
34.00' RT
POST #1

STA 23'CA-B'+15.39
33.06' RT
POST #5

25'CA-B'+00

RAMP 'CA-B'

ANR PIPELINE COMPANY

MGS TYPE 2 TERMINAL

STA. 22'CA-B'+90.41 - STA. 23'CA-B'+43.51
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 23'CA-B'+43.51 - STA. 24'CA-B'+06.00
MGS GUARDRAIL 3 REQ'D

STA. 24'CA-B'+06.00
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

MGS EAT

MGS GUARDRAIL

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 52	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021221-pd
PLOT DATE : 5/23/2023 11:51 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

2

2

N

RAMP 'CA-D'

STA. 24'CA-D'+33.15
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

MGS TYPE 2 TERMINAL

STA 24'CA-D'+33.15
-29.03' LT

STA. 24'CA-D'+33.15 - STA. 27'CA-D'+45.65
MGS GUARDRAIL 3 REQ'D

MGS GUARDRAIL

WISCONSIN INDEPENDENT NETWORK

MGS TYPE 2 TERMINAL

STA 24'CA-D'+16.47
30.69' RT

25'CA-D'+00

STA 24'CA-D'+82.05
28.44' RT
POST #9

LEVEL 3 COM LLC (LUMEN)

STA. 24'CA-D'+16.47 - STA. 24'CA-D'+78.93
MGS GUARDRAIL 3 REQ'D

STA. 24'CA-D'+16.47
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1495'SB'+58.61 - STA. 1495'SB'+98.00
MGS THRIE BEAM TRANSITION REQ'D

STA. 1495'SB'+98.00 - STA. 1498'NB'+35.51
MGS GUARDRAIL 3 REQ'D

STA 25'CA-D'+07.05
28.19' RT
POST #5

STA 25'CA-D'+32.05
27.97' RT
POST #1

MGS GUARDRAIL

MGS EAT

STA. 24'CA-D'+78.93 - STA. 25'CA-D'+32.05
MGS GUARDRAIL TERMINAL EAT REQ'D

CTH CA

MH

MGS THRIE BEAM

MGS GUARDRAIL

MGS EAT

STA 1495'SB'+61.11
-34.90' LT

STA 1495'SB'+98.00
-34.23' LT

STA 1495'SB'+58.61
-34.23' LT

STA 1496'SB'+19.63
-34.90' LT

STA 1498'SB'+63.61
-35.29' LT
POST #5

STA 1498'SB'+88.59
-36.23' LT
POST #1

STA 1495'SB'+46.94
-34.23' LT

STA 1496'SB'+19.63
-31.90' LT

STA 1495'SB'+46.67
-26.00' LT

STA. 1498'SB'+35.51 - STA. 1498'SB'+88.59
MGS GUARDRAIL TERMINAL EAT REQ'D

R/L IH 41 'SB'

STA 1495'SB'+61.11
-31.90' LT

STA 1496'SB'+19.63
-26.00' LT

STA 1498'SB'+38.63
-34.35' LT
POST #9

B-44-155

B-44-022

IH 41 'SB'

1495'SB'+00

1500'SB'+00

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

MATCH LINE 1494+19

MATCH LINE 1501+81

1495'NB'+00

1500'NB'+00

B-44-156

STA 1495'NB'+69.59
31.48' RT

STA 1496'NB'+28.12
26.00' RT

IH 41 'NB'

STA 1499'NB'+43.99
33.81' RT

STA 1495'NB'+55.66
26.00' RT

STA 1496'NB'+28.12
31.48' RT

R/L IH 41 'NB'

STA 1495'NB'+55.46
33.81' RT

STA 1496'NB'+28.12
34.48' RT

MGS TYPE 2 TERMINAL

STA 1495'NB'+67.09
33.81' RT

STA 1496'NB'+06.49
33.81' RT

STA 1495'NB'+69.59
34.48' RT

STH 125

MGS THRIE BEAM

MGS GUARDRAIL

STA. 1495'NB'+67.09 - STA. 1496'NB'+06.49
MGS THRIE BEAM TRANSITION REQ'D

STA. 1496'NB'+06.49 - STA. 1499'NB'+43.99
MGS GUARDRAIL 3 REQ'D

STA. 1499'NB'+43.99
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

AT&T LOCAL NETWORK

WISDOT

MUD CREEK

RAMP 'CA-C'

1500'CA-C'+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 53	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021222-pd

PLOT DATE : 5/23/2023 2:42 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

STA. 27'CA-D'+45.65 - STA. 27'CA-D'+98.78
MGS GUARDRAIL TERMINAL EAT REQ'D

MGS EAT

STA 27'CA-D'+73.78
-18.06' LT
POST #5

STA 27'CA-D'+98.78
-19.00' LT
POST #1

STA 27'CA-D'+48.78
-17.12' LT
POST #9

STA. 1504'SB'+68.66
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1504'SB'+68.66 - STA. 1519'SB'+06.16
MGS GUARDRAIL 3 REQ'D

MGS GUARDRAIL

MGS TYPE 2 TERMINAL

STA 1504'SB'+68.66
-57.23' LT

RAMP 'CA-D'

STA. 24'CA-D'+33.15 - STA. 27'CA-D'+45.65
MGS GUARDRAIL 3 (STEEL POST) REQ'D

30'CA-D'+00

35'CA-D'

SIGN

R/L IH 41 'SB'

IH 41 'SB'

1505'SB'+00

W
W
INL
INL
INL
INL

1505'NB'+00

R/L IH 41 'NB'

IH 41 'NB'

RAMP 'CA-C'

1505'CA-C'+00

SIGN

SIGN

MATCH LINE 1501+81

MATCH LINE 1509+43

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 54	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021223-pd
PLOT DATE : 5/23/2023 11:54 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

N

STA. 1504'SB'+68.66 - STA. 1519'SB'+06.16
MGS GUARDRAIL 3 REQ'D

MGS GUARDRAIL

MH

SIGN

+00

R/L IH 41 'SB'

IH 41 'SB'

1510'SB'+00

1515'SB'+00

MATCH LINE 1509+43

INL

INL

W

W

SIGN

1510'NB'+00

1515'NB'+00

IH 41 'NB'

R/L IH 41 'NB'

STA 1510'NB'+36.55
48.76' RT
POST #9

STA 1509'NB'+86.55
50.69' RT
POST #1

STA 1510'NB'+11.55
49.72' RT
POST #5

OHL

MH

BLDG

BLDG

MGS
EAT

STA. 1509'NB'+86.55 - STA. 1510'NB'+39.68
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1510'NB'+39.68 - STA. 1526'NB'+39.68
MGS GUARDRAIL 3 REQ'D

MATCH LINE 1517+05

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 55	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021224-pd

PLOT DATE : 5/23/2023 11:54 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STA. 1504'SB'+68.66 - STA. 1519'SB'+06.16
MGS GUARDRAIL 3 REQ'D

STA. 1519'SB'+06.16 - STA. 1519'SB'+59.29
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 1521'SB'+82.98
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1521'SB'+82.98 - STA. 8'WI-A'+18.17
MGS GUARDRAIL 3 REQ'D

N

MGS GUARDRAIL

MGS EAT

STA 1519'SB'+34.29
-49.05' LT
POST #5

STA 1519'SB'+59.29
-49.99' LT
POST #1

STA 1519'SB'+09.29
-48.11' LT
POST #9

STA 1521'SB'+82.98
-49.00' LT

SIGN

WETLAND BOUNDARY

MGS TYPE 2 TERMINAL

RAMP 'WI-A'

R/L IH 41 'SB'

IH 41 'SB'

1520'SB'+00

CONCRETE BARRIER SINGLE-FACED 32-INCH

MATCH LINE 1517+05

MATCH LINE 1524+67

1520'NB'+00

IH 41 'NB'

R/L IH 41 'NB'

RAMP 'WI-B'

25'WI-B'+00

WE ENERGIES (ELECTRIC)

MH

INL

POST

MGS GUARDRAIL

STA. 1510'NB'+39.68 - STA. 1526'NB'+39.68
MGS GUARDRAIL 3 REQ'D

WETLAND BOUNDARY

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 56	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021225-pd

PLOT DATE : 5/23/2023 11:55 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

MATCH LINE 1524+67

MGS GUARDRAIL

STA. 1521'SB'+82.98 - STA. 8'WI-A'+18.17
MGS GUARDRAIL 3 REQ'D

N

5'WI-A'+00

RAMP 'WI-A'

STA. 1530'SB'+34.27
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 1530'SB'+34.27 - STA. 1534'SB'+09.27
MGS GUARDRAIL 3 REQ'D

STA 1530'SB'+34.27
-33.93' LT

MGS GUARDRAIL

MGS TYPE 2 TERMINAL

R/L IH 41 'SB'

IH 41 'SB'

1525'SB'+00

1530'SB'+00

STA. 1528'NB'+33.73 - STA. 1534'NB'+21.22
MGS GUARDRAIL 3 REQ'D

1525'NB'+00

1530'NB'+00

R/L IH 41 'NB'

IH 41 'NB'

STA 1528'NB'+30.60
33.58' RT
POST #9

STA 1528'NB'+05.61
33.52' RT
POST #5

STA 1527'NB'+80.63
33.46' RT
POST #1

MGS EAT PARALLEL INSTALLATION

MGS GUARDRAIL

STA. 32'WI-B'+12.08 - STA. 32'WI-B'+65.21
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 32'WI-B'+65.21 - STA. 33'WI-B'+52.68
MGS GUARDRAIL 3 REQ'D

STA 32'WI-B'+37.08
-25.34' LT
POST #5

STA 32'WI-B'+12.08
-25.72' LT
POST #1

STA 32'WI-B'+62.08
-24.97' LT
POST #9

STA. 33'WI-B'+52.68
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA 33'WI-B'+52.68
-26.90' LT

MGS TYPE 2 TERMINAL

RAMP 'WI-B'

30'WI-B'+00

MGS EAT

MGS GUARDRAIL

STA 1526'NB'+39.68
87.42' RT

MGS TYPE 2 TERMINAL

WETLAND BOUNDARY

WE ENERGIES (ELECTRIC)

STA. 1527'NB'+80.63 - STA. 1528'NB'+33.73
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:

- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.
- REDUCE THE STANDARD 4:1 OR FLATTER SLOPE BEYOND THE SHOULDER HINGE POINT TO 3:1. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

STA. 1510'NB'+39.68 - STA. 1526'NB'+39.68
MGS GUARDRAIL 3 REQ'D

STA. 1526'NB'+39.68
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

STA. 32'WI-B'+24.56 - STA. 32'WI-B'+77.68
MGS GUARDRAIL TERMINAL EAT REQ'D

STA. 32'WI-B'+77.68 - STA. 33'WI-B'+52.68
MGS GUARDRAIL 3 REQ'D

STA 32'WI-B'+74.56
20.12' RT
POST #9

STA 32'WI-B'+24.56
22.00' RT
POST #1

STA 32'WI-B'+49.56
21.06' RT
POST #5

STA 33'WI-B'+52.68
20.00' RT

MGS TYPE 2 TERMINAL

MGS EAT

MGS GUARDRAIL

STA. 33'WI-B'+52.68
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

MATCH LINE 1532+29

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 57	E

2

MGS GUARDRAIL

MGS EAT PARALLEL INSTALLATION

STA. 1521'SB'+82.98 - STA. 8'WI-A'+18.17
MGS GUARDRAIL 3 REQ'D

STA 8'WI-A'+21.29
-8.01' LT
POST #9

STA 8'WI-A'+46.16
-8.42' LT
POST #5

STA 8'WI-A'+71.16
-8.84' LT
POST #1

STA. 8'WI-A'+18.17 - STA 8'WI-A'71.22
MGS GUARDRAIL TERMINAL EAT REQ'D

GRADING NOTES:
- REDUCE THE STANDARD 2' OFFSET OF THE EAT HEAD TO 0' AND INSTALL THE EAT PARALLEL WITH THE PAVEMENT.
- REDUCE THE STANDARD 5' WIDTH OF 10:1 GRADING FROM THE EAT HEAD TO THE HINGE POINT TO 2'. SEE SDD "MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)" FOR ADDITIONAL DETAILS.

N

RAMP 'WI-A'

RAMP 'WI-D'

STH 96

STA. 1534'SB'+09.27 - STA 1534'SB'+48.67
MGS THRIE BEAM TRANSITION REQ'D

STA. 1530'SB'+34.27 - STA. 1534'SB'+09.27
MGS GUARDRAIL 3 REQ'D

STA 1534'SB'+09.26
-32.84' LT

STA 1533'SB'+87.64
-33.58' LT

STA 1533'SB'+87.64
-30.57' LT

MGS GUARDRAIL

MGS THRIE BEAM

STA 1534'SB'+46.16
-33.38' LT

STA 1534'SB'+48.66
-32.70' LT

STA 1534'SB'+59.74
-32.67' LT

STA 1534'SB'+59.72
-26.00' LT

STA 1533'SB'+87.62
-26.00' LT

STA 1534'SB'+46.16
-30.38' LT

AT&T WISCONSIN

CAUTION

WETLAND BOUNDARY

WE ENERGIES (ELECTRIC)

R/L IH 41 'SB'

1535'SB'+00

IH 41 'SB'

MATCH LINE 1532+29

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT

1535'NB'+00

STA 1534'NB'+00.13
26.00' RT

STA 1534'NB'+58.12
31.25' RT

STA 1534'NB'+71.57
26.00' RT

STA 1534'NB'+71.57
33.58' RT

STA 1534'NB'+60.62
33.58' RT

STA 1534'NB'+58.12
34.25' RT

MGS GUARDRAIL

MGS THRIE BEAM

STA 1534'NB'+00.13
31.25' RT

STA 1534'NB'+00.13
34.25' RT

STA 1534'NB'+21.22
33.58' RT

STA. 1528'NB'+33.73 - STA. 1534'NB'+21.22
MGS GUARDRAIL 3 REQ'D

STA. 1532'NB'+21.22 - STA. 1534'NB'+60.62
MGS THRIE BEAM TRANSITION REQ'D

R/L IH 41 'NB'

IH 41 'NB'

1540'NB

END PROJECT
STA 1536'NB'+89.00

WE ENERGIES (GAS)

RAMP 'WI-B'

35'WI-B'+00

RAMP 'WI-C'

WETLAND BOUNDARY

STH 96

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 58	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021227-pd

PLOT DATE : 5/23/2023 11:57 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

RAMP 'BB-A'

IH 41 'SB'

IH 41 'NB'

R/L IH 41 'NB'

R/L IH 41 'SB'

R/L IH 41 'NB'

1420'BB-A'+00

1420'SB'+00

1420'NB'+00

WETLAND BOUNDARY

FENCE CHAIN LINK 6-FT

CLEARING AND GRUBBING

SLOPE INTERCEPT

RIPRAP

INL

STA 1420'BB-B'+44.57
-21.75' LT
POST #5

STA 1420'BB-B'+68.88
-20.81' LT
POST #9

STA 1420'BB-B'+20.29
-22.68' LT
POST #1

RAMP 'BB-B'

B-70-84

MGS TYPE 2 TERMINAL

STA 1425'BB-B'+10.04
-20.69' LT

STA.1420'BB-B'+72.01 - STA.1425'BB-B'+10.04
MGS GUARDRAIL 3 REQ'D

MGS
GUARDRAIL

105'NR'+00

1425'BB-B'+00

1420'BB-B'+00

MGS
EAT

STA. 1420'BB-B'+20.29 - STA.1420'BB-B'+72.01
MGS GUARDRAIL TERMINAL EAT REQ'D

STA.1425'BB-B'+10.04
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

NORTHERN RD.

SIGN

MH

SALVAGE AND REINSTALL APPROXIMATELY 75 FEET OF GUARDRAIL FOR ACCESS TO STRUCTURE B-70-0084 WING WALL 3 AND 4 REPLACEMENTS. SALVAGE AND REINSTALL STEEL PLATE BEAM GUARD REQ'D.

CLEARING AND GRUBBING

N

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN DETAILS	1 IN:50 FT	SHEET 59	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021228-pd

PLOT DATE : 8/23/2023 11:51 AM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE :

2

2

STA. 1496'CA-C'+27.05 - STA. 1497'CA-C'+77.04
MGS GUARDRAIL 3 REQ'D

STA.1497'CA-C'+77.04
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

AT&T LOCAL NETWORK

STA. 1495'CA-C'+73.99 - STA. 1496'CA-C'+27.05
MGS GUARDRAIL TERMINAL EAT REQ'D

MGS GUARDRAIL

MGS EAT

MUD CREEK

WISDOT

RAMP 'CA-C'

1500'CA-C'+00

MGS TYPE 2 TERMINAL

STA 1497'CA-C'+77.04
-22.55' LT

STH 125

STA 1495'CA-C'+73.99
15.55' LT
POST #1

STA 1496'SCA-C'+98.96
-24.47' LT
POST #5

B-44-62

STA 1497'CA-C'+01.16
11.48' RT

STA 1496'CA-C'+23.92
-22.91' LT
POST #9

MGS TYPE 2 TERMINAL

STA 1495'CA-C'+73.09
11.10' RT
POST #9

FENCE CHAIN LINK 6-FT

1495'CA-C'+00

CLEARING AND GRUBBING

STA 1495'CA-C'+48.19
13.38' RT
POST #5

STA 1495'CA-C'+23.30
15.66' RT
POST #1

MGS GUARDRAIL

STA.1497'CA-C'+01.16
MGS GUARDRAIL TERMINAL TYPE 2 REQ'D

MGS EAT

STA. 1495'CA-C'+76.22 - STA. 1497'CA-C'+01.16
MGS GUARDRAIL 3 REQ'D

STA. 1495'CA-C'+23.30 - STA. 1495'CA-C'+76.22
MGS GUARDRAIL TERMINAL EAT REQ'D

WISCONSIN INDEPENDENT NETWORK, LLC

SIGN

SIGN

MH

N

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 60	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021229-pd

PLOT DATE : 6/22/2023 2:35 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

IH 41 'SB'

1119'SB'+00 1120'SB'+00 1121'SB'+00 1122'SB'+00 1123'SB'+00 1124'SB'+00 1125'SB'+00 1126'SB'+00

1119'NB'+00 1120'NB'+00 1121'NB'+00 1122'NB'+00 1123'NB'+00 1124'NB'+00 1125'NB'+00 1126'NB'+00

IH 41 'NB'

BEGIN PROJECT
1119'NB'+00.00
Y=526,323.658
X=806,938.438

JEWELERS PARK DR.

MATCH LINE 1126'NB'+50

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

IH 41 'SB'

1127'SB'+00 1128'SB'+00 1129'SB'+00 1130'SB'+00 1131'SB'+00 1132'SB'+00 1133'SB'+00

1127'NB'+00 1128'NB'+00 1129'NB'+00 1130'NB'+00 1131'NB'+00 1132'NB'+00 1133'NB'+00

IH 41 'NB'

JEWELERS PARK DR.

MATCH LINE 1126'NB'+50

MATCH LINE 1134'NB'+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 61	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 5/17/2023 4:22 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

IH 41 'SB'

1134'SB'+00 1135'SB'+00 1136'SB'+00 1137'SB'+00 1138'SB'+00 1139'SB'+00 1140'SB'+00 1141'SB'+00

MATCH LINE 1134'NB'+00

MATCH LINE 1141'NB'+50

B

B

1134'NB'+00 1135'NB'+00 1136'NB'+00 1137'NB'+00 1138'NB'+00 1139'NB'+00 1140'NB'+00 1141'NB'+00

IH 41 'NB'

JEWELERS PARK DR.

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

CECIL ST.

N

TA

TA

101

100

B

B

B

IH 41 'SB'

1142'SB'+00 1143'SB'+00 1144'SB'+00 1145'SB'+00 1146'SB'+00 1147'SB'+00 1148'SB'+00

MATCH LINE 1141'NB'+50

MATCH LINE 1149'NB'+00

1142'NB'+00 1143'NB'+00 1144'NB'+00 1145'NB'+00 1146'NB'+00 1147'NB'+00 1148'NB'+00 1149'N

IH 41 'NB'

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 62	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

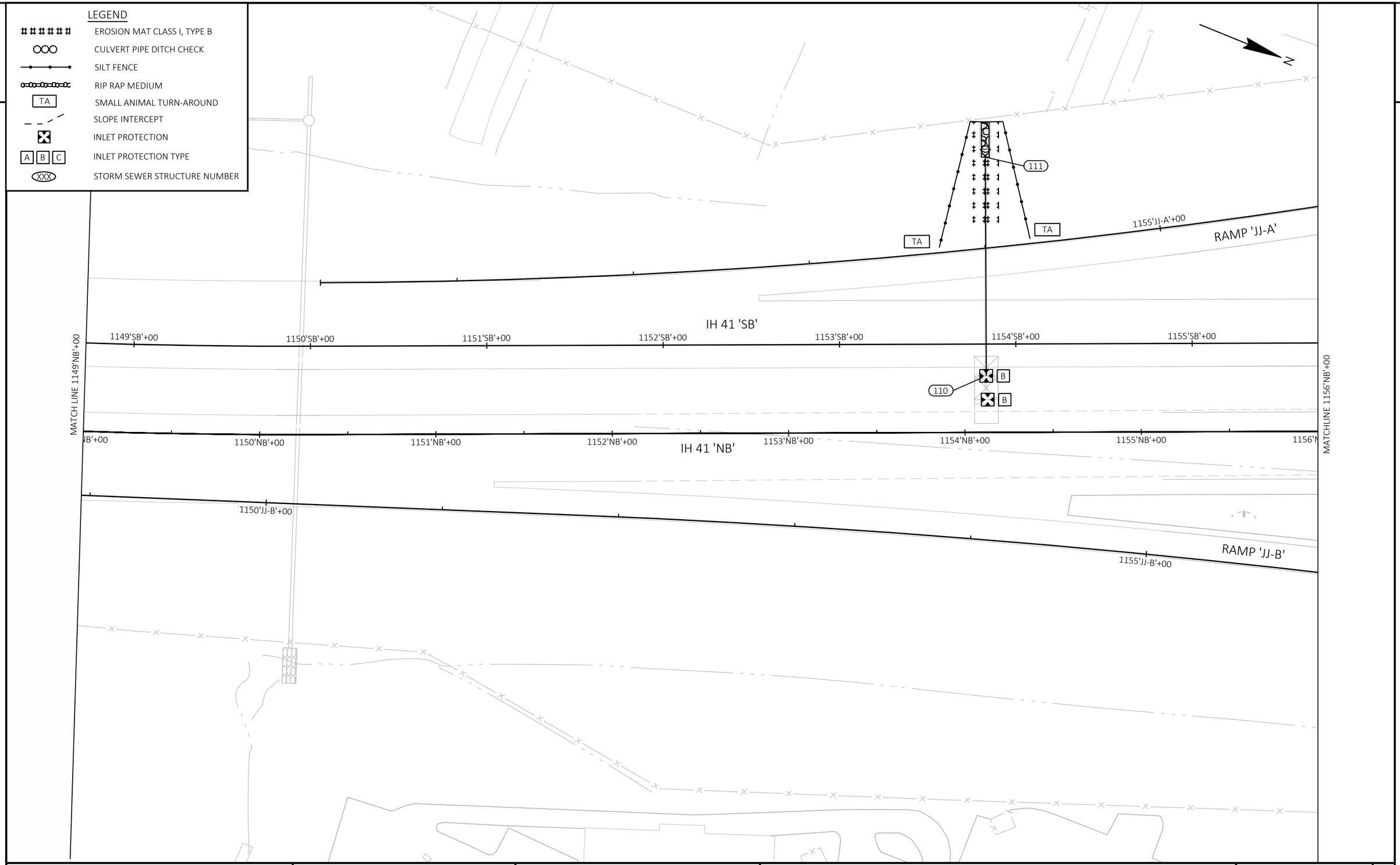
PLOT DATE : 5/17/2023 4:26 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 63	E

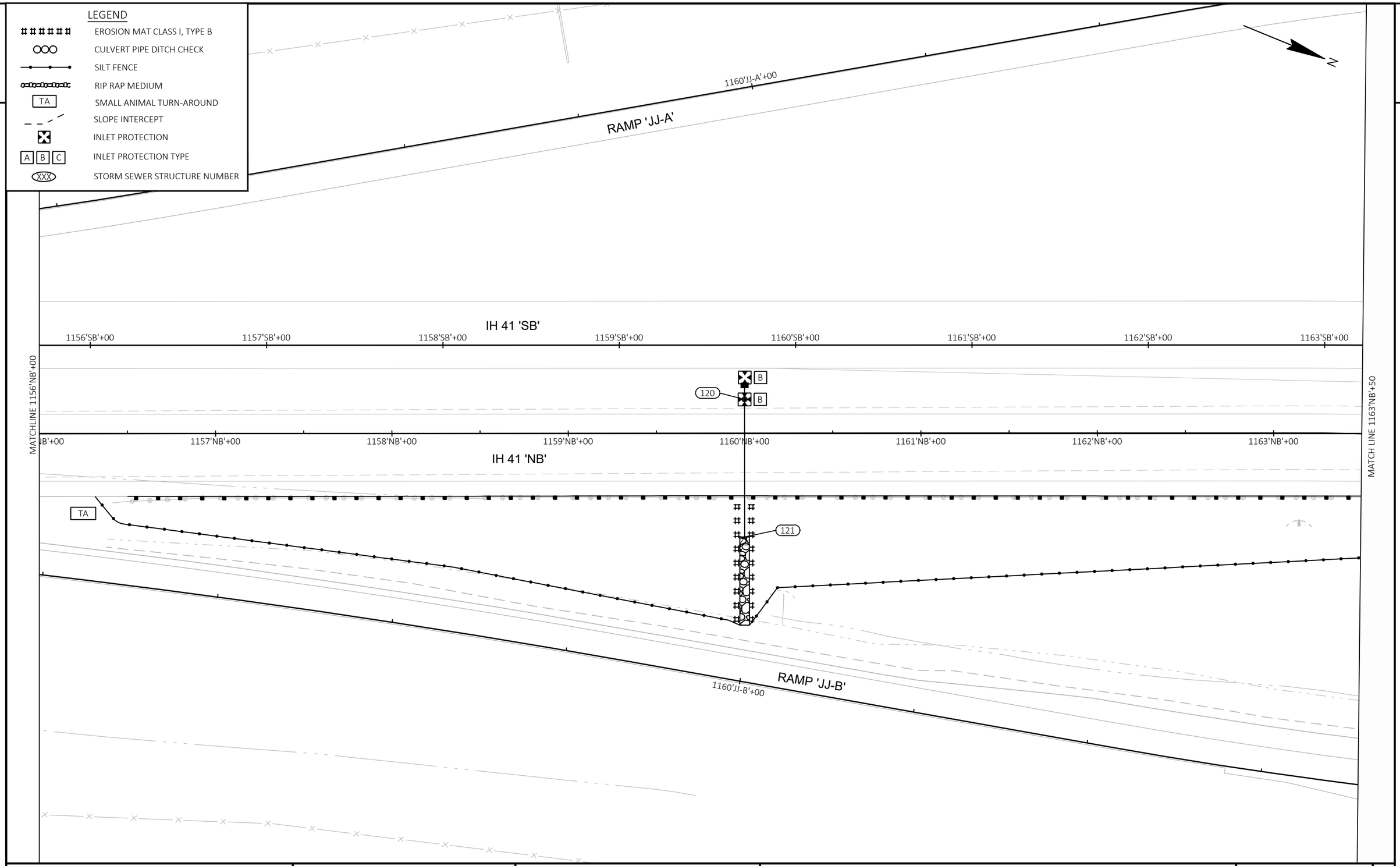
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 5/17/2023 4:27 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



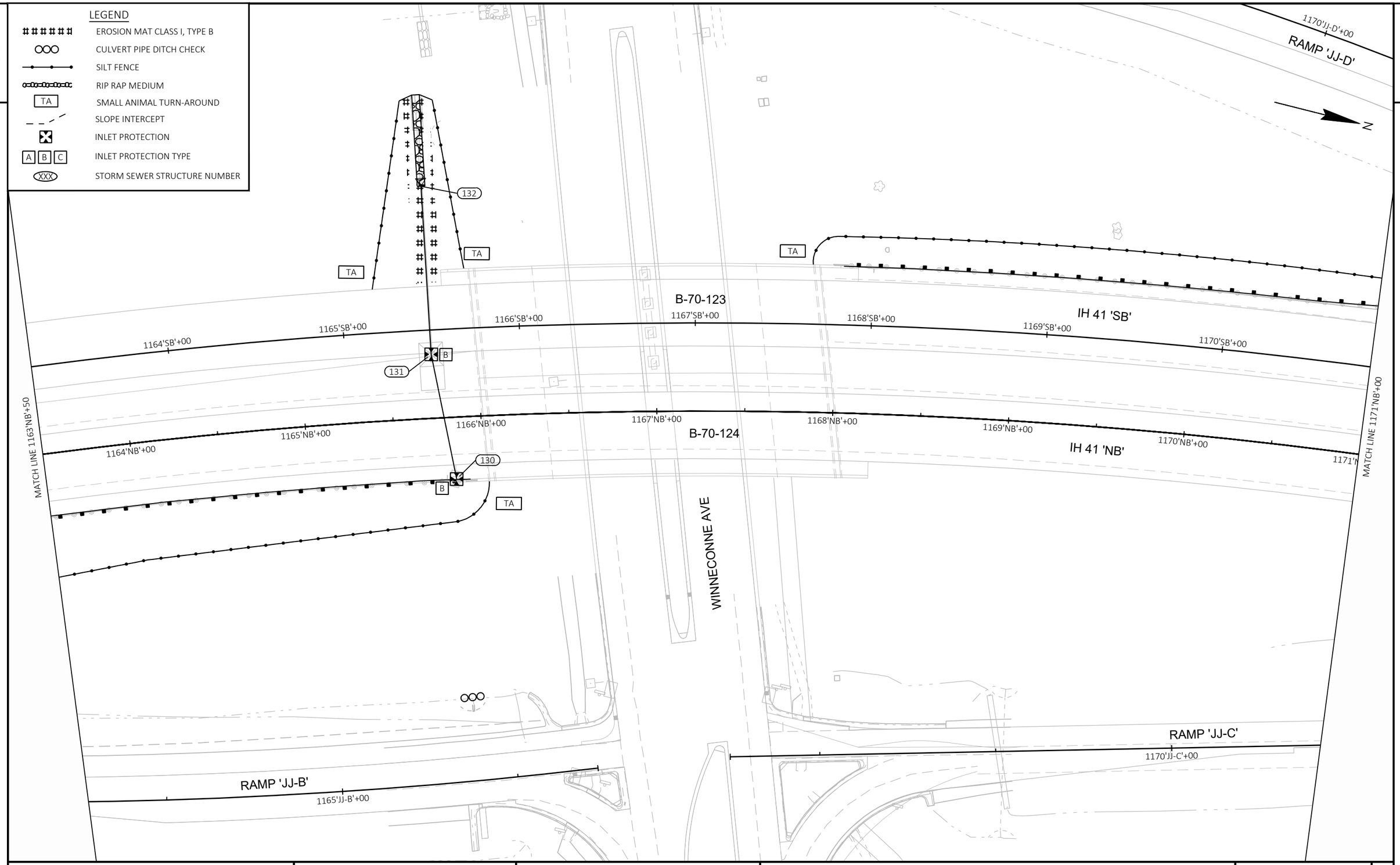
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 64	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 5/17/2023 4:28 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 65	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 5/17/2023 4:29 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

RAMP 'JJ-D'

1175'JJ-D'+00

TA

IH 41 'SB'

1171'SB'+00 1172'SB'+00 1173'SB'+00 1174'SB'+00 1175'SB'+00 1176'SB'+00 1177'SB'+00 1178'SB'+00

B

MATCH LINE 1171'NB'+00

1172'NB'+00 1173'NB'+00 1174'NB'+00 1175'NB'+00 1176'NB'+00 1177'NB'+00 1178'NB'+00

IH 41 'NB'

MATCH LINE 1178'NB'+50

1175'JJ-C'+00

RAMP 'JJ-C'

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 66	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 5/17/2023 4:33 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCH LINE 1178'NB'+50

MATCH LINE 1186'NB'+00

1180'JJ-D'+00

IH 41 'SB'

1179'SB'+00 1180'SB'+00 1181'SB'+00 1182'SB'+00 1183'SB'+00 1184'SB'+00 1185'SB'+00

1179'NB'+00 1180'NB'+00 1181'NB'+00 1182'NB'+00 1183'NB'+00 1184'NB'+00 1185'NB'+00

IH 41 'NB'

1180'JJ-C'+00

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

MATCH LINE 1186'NB'+00

MATCH LINE 1193'NB'+50

IH 41 'SB'

1187'SB'+00 1188'SB'+00 1189'SB'+00 1190'SB'+00 1191'SB'+00 1192'SB'+00 1193'SB'+00

1187'NB'+00 1188'NB'+00 1189'NB'+00 1190'NB'+00 1191'NB'+00 1192'NB'+00 1193'NB'+00

IH 41 'NB'

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 67	E

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

IH 41 'SB'

1194'SB'+00 1195'SB'+00 1196'SB'+00 1197'SB'+00 1198'SB'+00 1199'SB'+00 1200'SB'+00 120

MATCH LINE 1193'NB'+50

B B B B

1194'NB'+00 1195'NB'+00 1196'NB'+00 1197'NB'+00 1198'NB'+00 1199'NB'+00 1200'NB'+00 1201'N

IH 41 'NB'

MATCH LINE 1201'NB'+00

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 68	E

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

1'SB'+00 1202'SB'+00 1203'SB'+00 1204'SB'+00 1205'SB'+00 1206'SB'+00 1207'SB'+00 1208'SB'+00

IH 41 'SB'

MATCH LINE 1201'NB'+00

MATCH LINE 1208'NB'+50

B B 140 141

B B

1202'NB'+00 1203'NB'+00 1204'NB'+00 1205'NB'+00 1206'NB'+00 1207'NB'+00 1208'NB'+00

IH 41 'NB'

TA TA 142 143

1205'MS-A'+00

TA

RAMP 'MS-A'

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 69	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 5/23/2023 8:43 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

RAMP 'MS-B'

1215'MS-B'+00

TA

TA

B

161

160

IH 41 'SB'

1209'SB'+00 1210'SB'+00 1211'SB'+00 1212'SB'+00 1213'SB'+00 1214'SB'+00 1215'SB'+00 121

B

B

151

150

MATCH LINE 1208'NB'+50

1209'NB'+00 1210'NB'+00 1211'NB'+00 1212'NB'+00 1213'NB'+00 1214'NB'+00 1215'NB'+00 1216'N

MATCH LINE 1216'NB'+00

IH 41 'NB'

155

B

B

156

TA

RAMP 'MS-A'

1210'MS-A'+00

C

1215'MS-A'+00

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 70	E

2

AT&T WISCONSIN

SPECTRUM

MAIN ST

SIGN

BURIED CA

INL

N

TA

TA

B-70-125

IH 41 'SB'

6'SB'+00 1217'SB'+00 1218'SB'+00 1219'SB'+00 1220'SB'+00 1221'SB'+00 1222'SB'+00 1223'SB'+00

170

171

B

B

W

W

MATCH LINE 1216'NB'+00

NB'+00 1217'NB'+00 1218'NB'+00 1219'NB'+00 1220'NB'+00 1221'NB'+00 1222'NB'+00 1223'NB'+00

B-70-126

IH 41 'NB'

MATCH LINE 1223'NB'+50

172

TA

173

TA

TA

SIGN

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 71	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011-ec

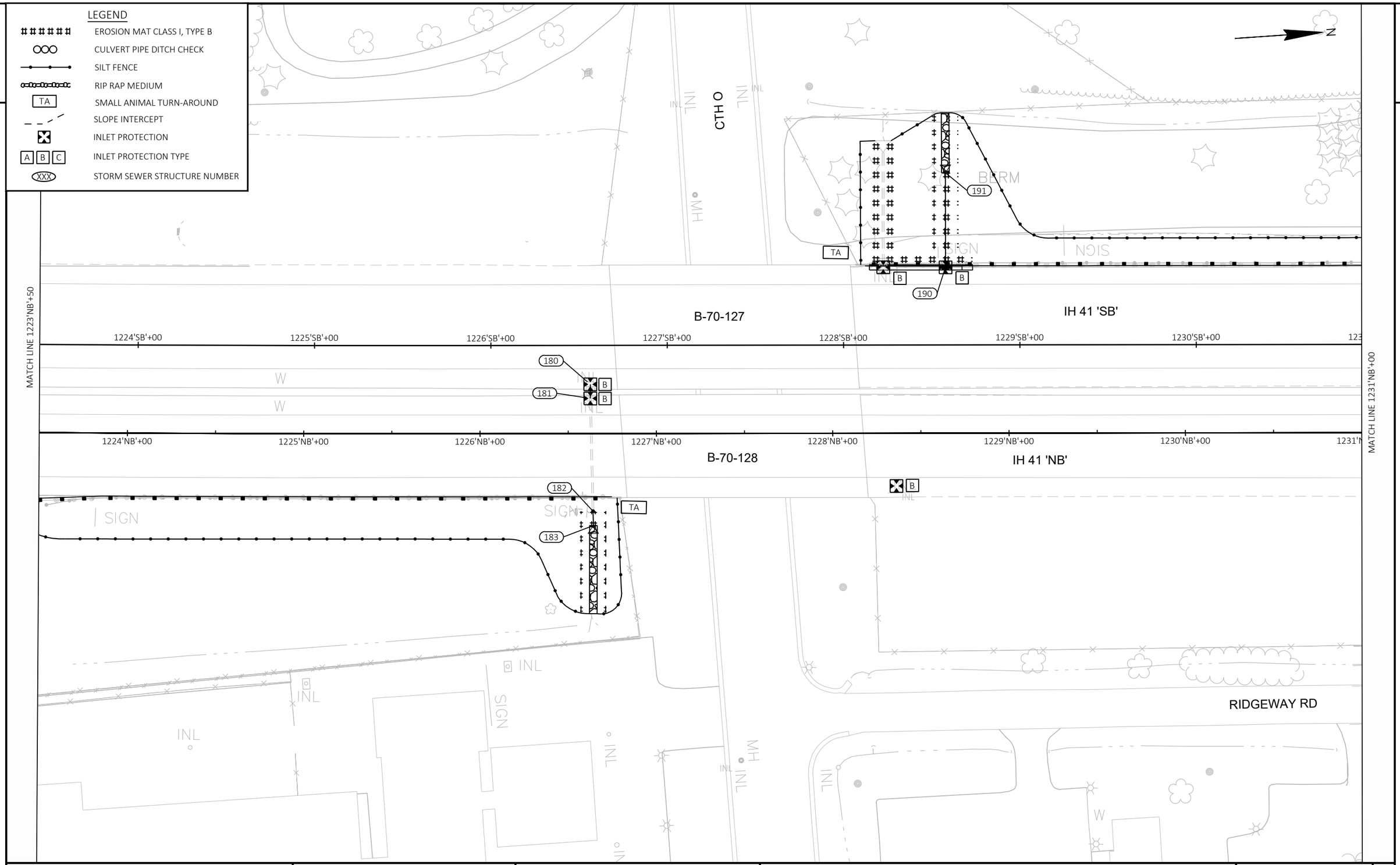
PLOT DATE : 5/23/2023 8:45 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 72	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022012-ec

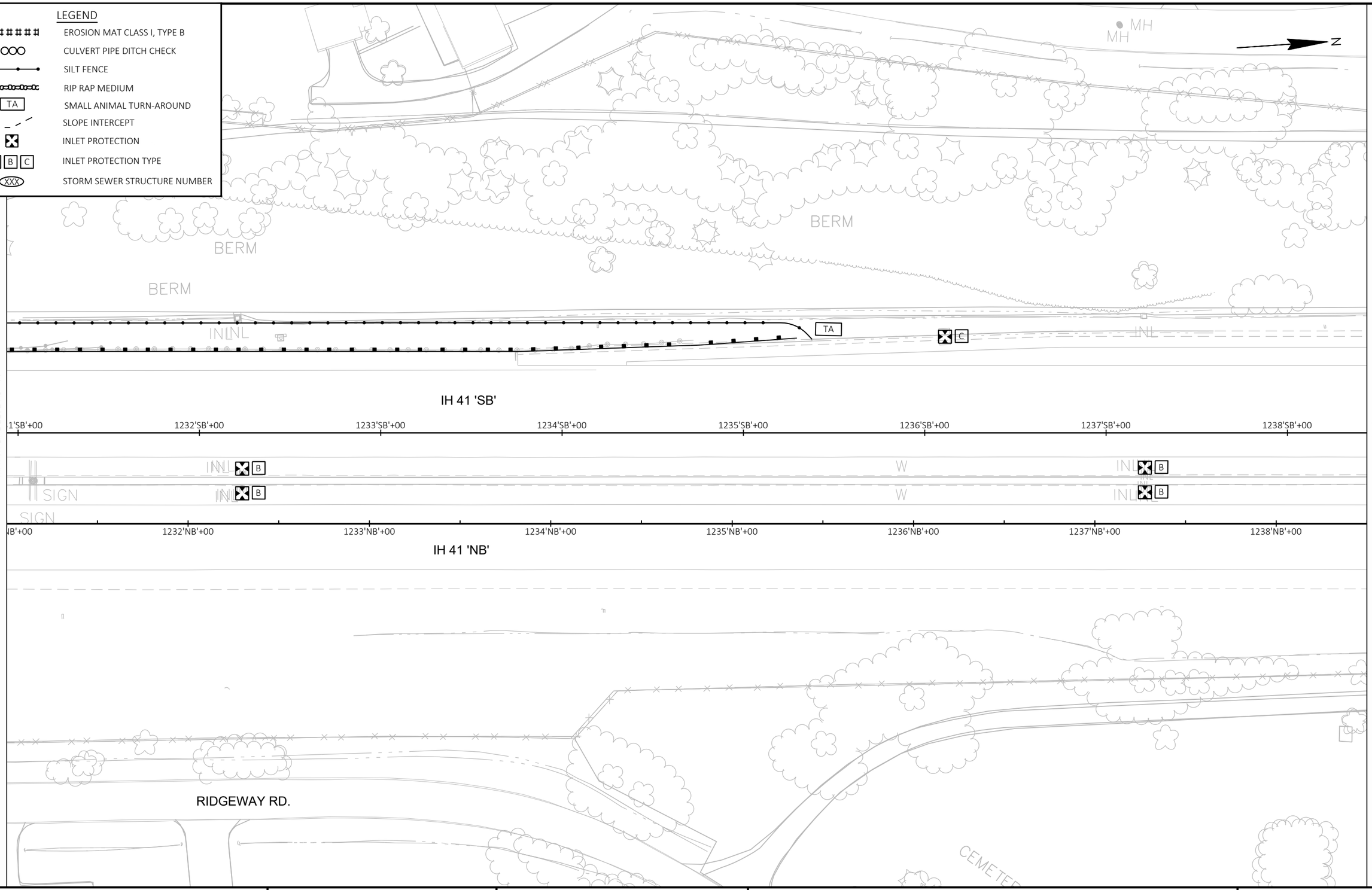
PLOT DATE : 5/23/2023 8:46 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 73	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022013-ec

PLOT DATE : 5/23/2023 8:47 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

BERM
BERM

C C C

RAMP 'II-A'

1245'II-A'+00

IH 41 'SB'

MATCH LINE 1238'NB'+50

1239'SB'+00 1240'SB'+00 1241'SB'+00 1242'SB'+00 1243'SB'+00 1244'SB'+00 1245'SB'+00 1246'

B B B B

W W

MH

1239'NB'+00 1240'NB'+00 1241'NB'+00 1242'NB'+00 1243'NB'+00 1244'NB'+00 1245'NB'+00 1246'N

IH 41 'NB'

MATCH LINE 1246'NB'+00

SIGN

RAMP 'II-B'

1245'II-B'+00

TA

MH MH MH

SIGN SIGN SIGN

W

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 74	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022014-ec

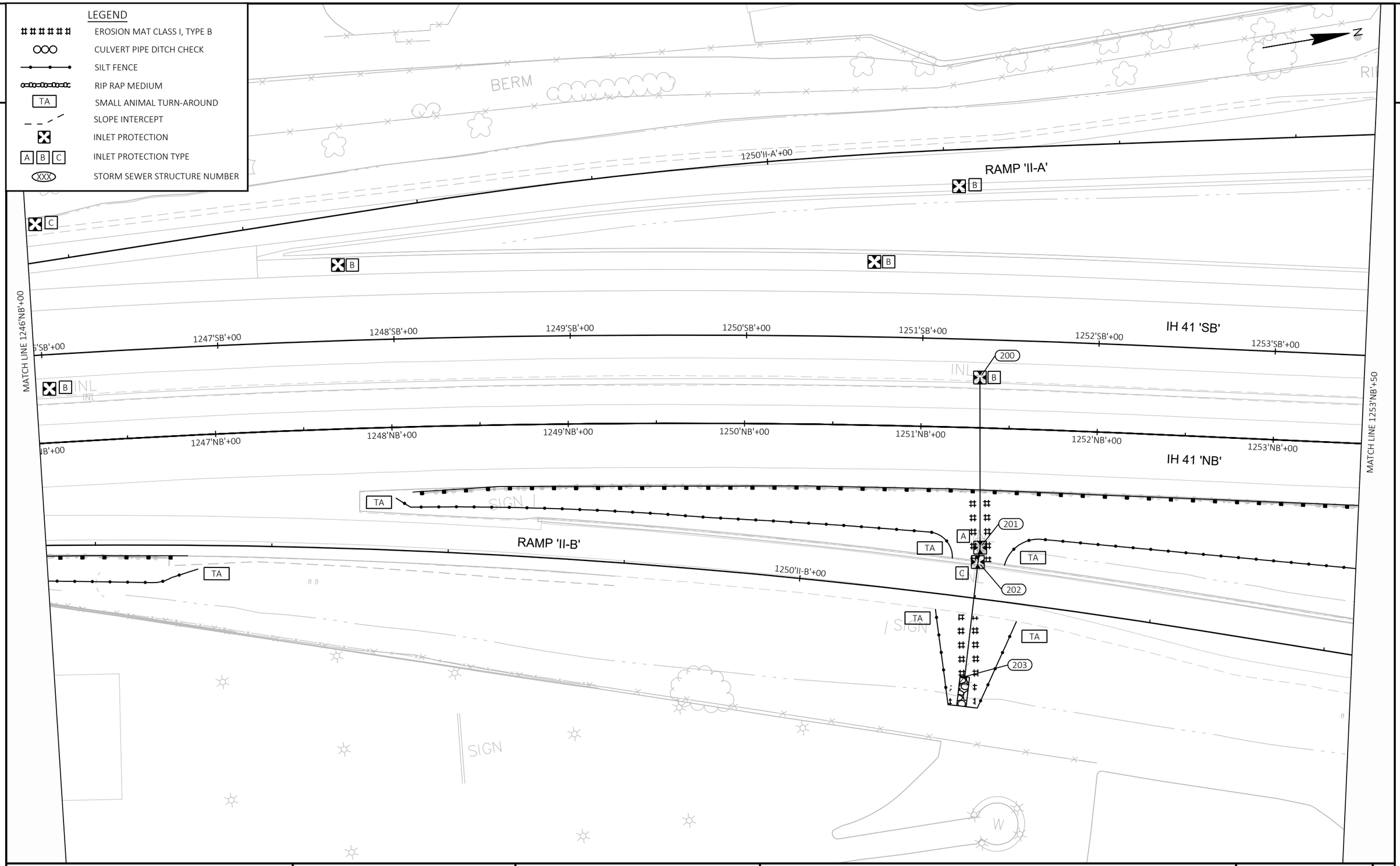
PLOT DATE : 5/23/2023 8:49 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 75	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022015-ec

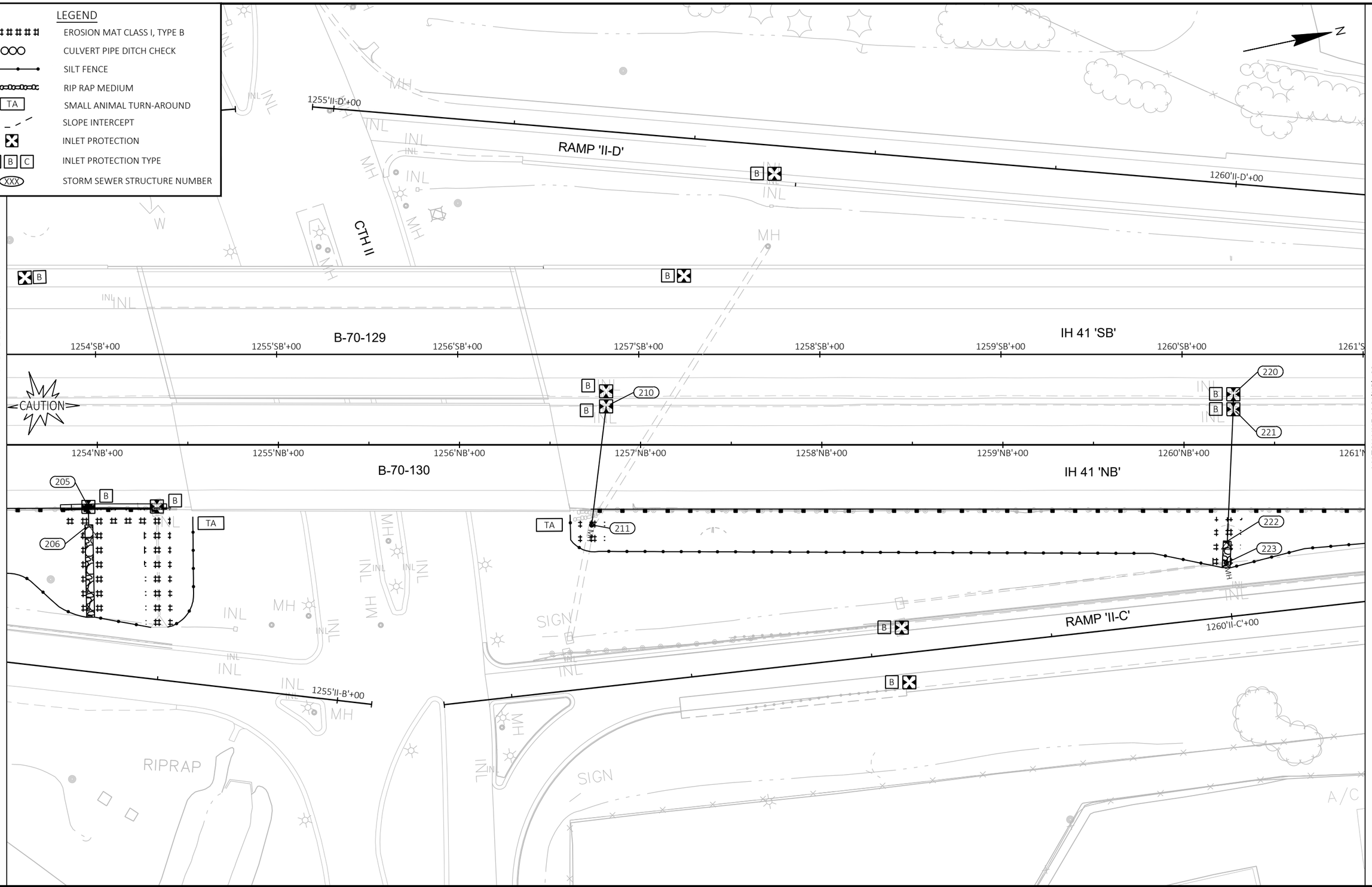
PLOT DATE : 5/23/2023 8:50 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 76	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022016-ec

PLOT DATE : 5/23/2023 8:51 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

CANOPY

RAMP 'II-D'

1265'II-D'+00

IH 41 'SB'

MATCH LINE 1261'NB'+00

B'+00 1262'SB'+00 1263'SB'+00 1264'SB'+00 1265'SB'+00 1266'SB'+00 1267'SB'+00 1268'SB'+00

B

INL

NB'+00 1262'NB'+00 1263'NB'+00 1264'NB'+00 1265'NB'+00 1266'NB'+00 1267'NB'+00 1268'NB'+00

IH 41 'NB'

MATCH LINE 1268'NB'+50

TA

RAMP 'II-C'

1265'II-C'+00

B

B

B

N. GREEN BAY RD.

WCL RR

CANADIAN

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 77	E

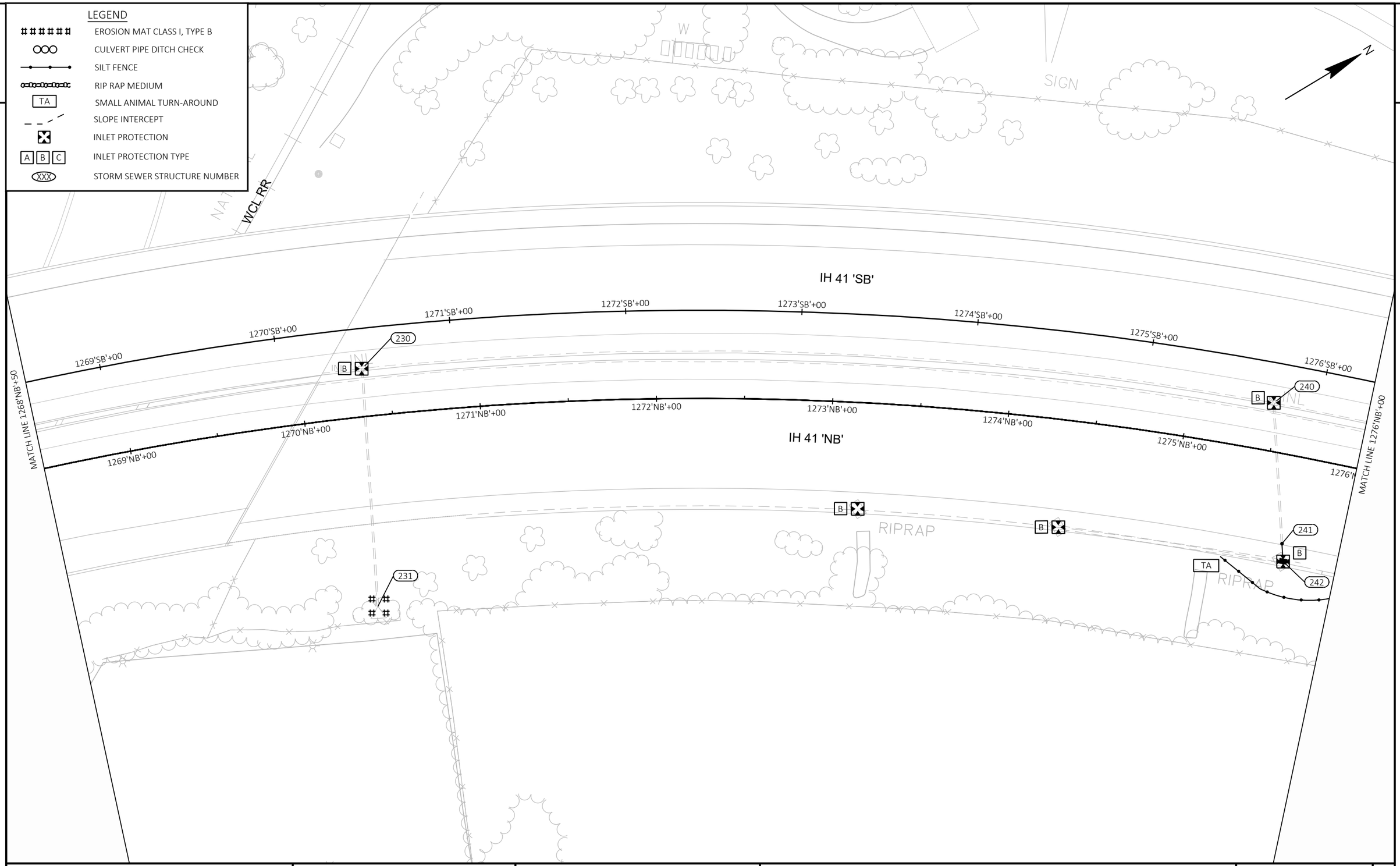
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022017-ec

PLOT DATE : 5/23/2023 8:52 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 78	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022018-ec

PLOT DATE : 5/23/2023 8:53 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 1276'NB'+00

MATCH LINE 1283'NB+50

IH 41 'SB'

1277'SB'+00 1278'SB'+00 1279'SB'+00 1280'SB'+00 1281'SB'+00 1282'SB'+00 1283'SB'+00

B B

250

B'+00 1277'NB'+00 1278'NB'+00 1279'NB'+00 1280'NB'+00 1281'NB'+00 1282'NB'+00 1283'NB'+00

IH 41 'NB'

B B B B

251

252

TA TA TA

RIPRAP RIPRAP

SIGN

B B B B

LEGEND

EROSION MAT CLASS I, TYPE B

CULVERT PIPE DITCH CHECK

SILT FENCE

RIP RAP MEDIUM

TA SMALL ANIMAL TURN-AROUND

SLOPE INTERCEPT

INLET PROTECTION

A B C INLET PROTECTION TYPE

XXX STORM SEWER STRUCTURE NUMBER

IH 41 'SB'

1284'SB'+00 1285'SB'+00 1286'SB'+00 1287'SB'+00 1288'SB'+00 1289'SB'+00 1290'SB'+00 1291'SB'+00

MATCH LINE 1283'NB+50

MATCH LINE 1291'NB'+00

B B B B

1284'NB'+00 1285'NB'+00 1286'NB'+00 1287'NB'+00 1288'NB'+00 1289'NB'+00 1290'NB'+00 1291'N

IH 41 'NB'

B B B B

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 79	E

2

2

MATCH LINE 1291'NB'+00

MATCH LINE 1298'NB'+50

IH 41 'SB'

1292'SB'+00 1293'SB'+00 1294'SB'+00 1295'SB'+00 1296'SB'+00 1297'SB'+00 1298'SB'+00

1292'NB'+00 1293'NB'+00 1294'NB'+00 1295'NB'+00 1296'NB'+00 1297'NB'+00 1298'NB'+00

IH 41 'NB'

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

USH 10/STH 441 TO IH 41 SB

MATCH LINE 1298'NB'+50

MATCH LINE 1306'NB'+00

IH 41 'SB'

1299'SB'+00 1300'SB'+00 1301'SB'+00 1302'SB'+00 1303'SB'+00 1304'SB'+00 1305'SB'+00 1306'SB'+0

1299'NB'+00 1300'NB'+00 1301'NB'+00 1302'NB'+00 1303'NB'+00 1304'NB'+00 1305'NB'+00 1306'N

IH 41 'NB'

JACOBSEN RD.

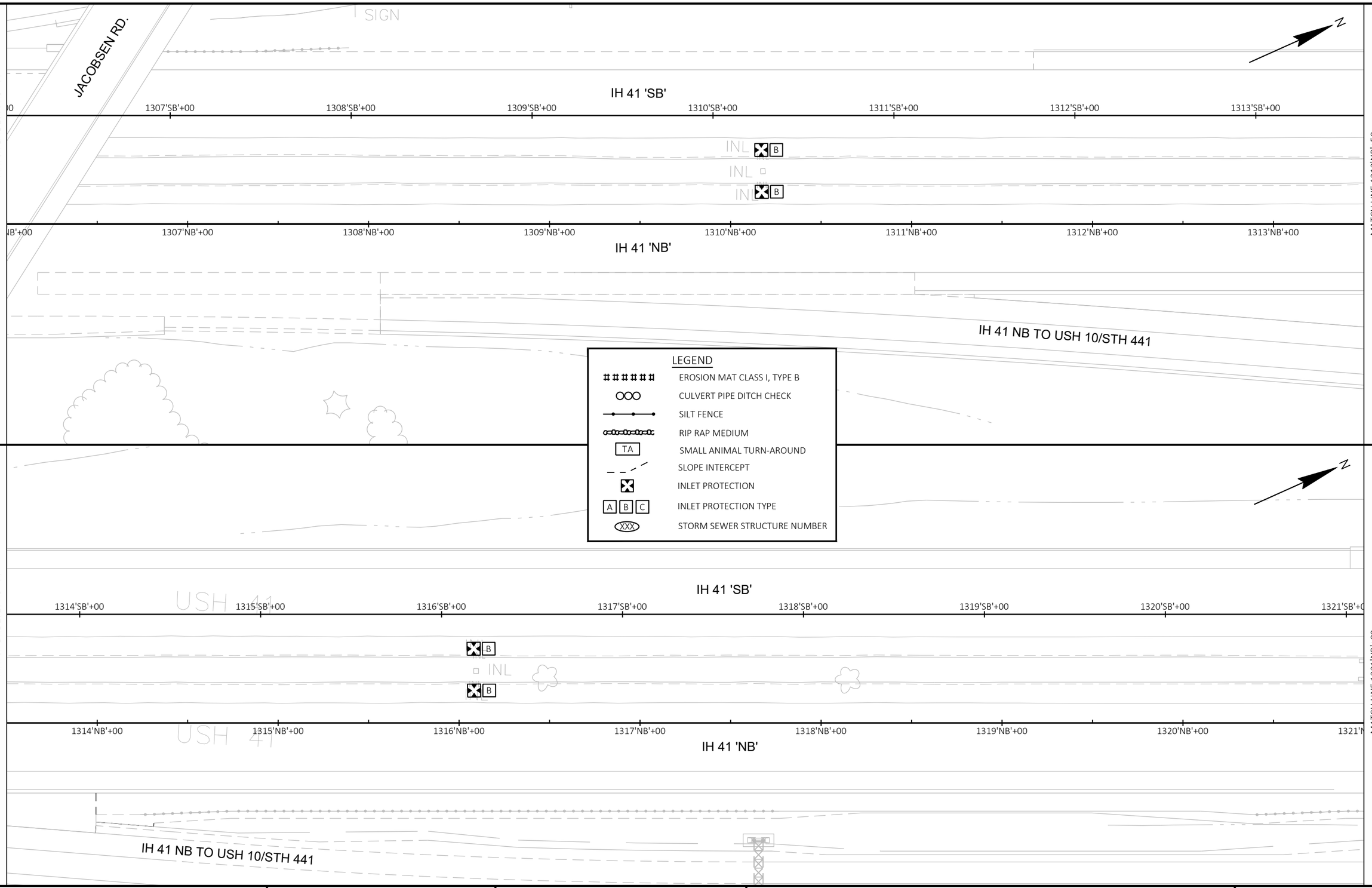
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 80	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022020-ec

PLOT DATE : 5/23/2023 8:56 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 81	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022021-ec

PLOT DATE : 5/23/2023 8:57 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCH LINE 1321'NB'+00

MATCH LINE 1328'NB'+50

IH 41 'SB'

1322'SB'+00 1323'SB'+00 1324'SB'+00 1325'SB'+00 1326'SB'+00 1327'SB'+00 1328'SB'+00

B

B

1322'NB'+00 1323'NB'+00 1324'NB'+00 1325'NB'+00 1326'NB'+00 1327'NB'+00 1328'NB'+00

IH 41 'NB'

USH 10 EB TO IH 41 NB

IH 41 TO USH 10 EB

IH 41 TO USH 10 WB

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

USH 10 WB TO IH 41 SB

USH 10 EB

USH 10 WB

MATCH LINE 1328'NB'+50

MATCH LINE 1336'NB'+00

IH 41 'SB'

1329'SB'+00 1330'SB'+00 1331'SB'+00 1332'SB'+00 1333'SB'+00 1334'SB'+00 1335'SB'+00 1336'SB'+0

B

B

1329'NB'+00 1330'NB'+00 1331'NB'+00 1332'NB'+00 1333'NB'+00 1334'NB'+00 1335'NB'+00 1336'N

IH 41 'NB'

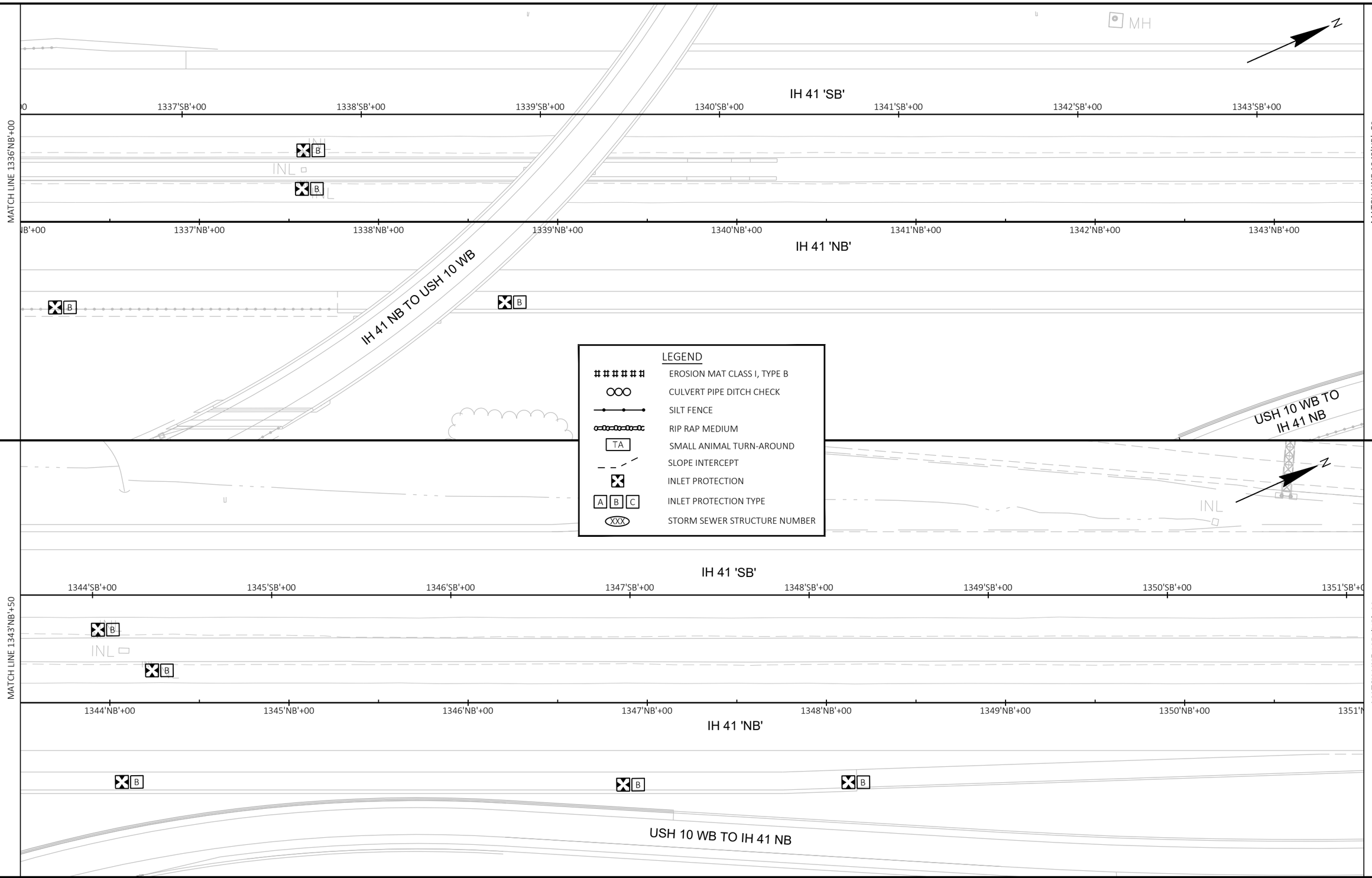
B

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 82	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022022-ec

PLOT DATE : 5/23/2023 10:18 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 83	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022023-ec

PLOT DATE : 5/23/2023 10:21 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

IH 41 NB TO USH 10/STH 441

IH 41 'SB'

1352'SB'+00 1353'SB'+00 1354'SB'+00 1355'SB'+00 1356'SB'+00 1357'SB'+00 1358'SB'+00

MATCH LINE 1351'NB'+00

MATCH LINE 1358'NB'+50

1352'NB'+00 1353'NB'+00 1354'NB'+00 1355'NB'+00 1356'NB'+00 1357'NB'+00 1358'NB'+00

IH 41 'NB'

USH 10/STH 441 TO IH 41 NB

LEGEND

######	EROSION MAT CLASS I, TYPE B
OOO	CULVERT PIPE DITCH CHECK
	SILT FENCE
	RIP RAP MEDIUM
TA	SMALL ANIMAL TURN-AROUND
	SLOPE INTERCEPT
	INLET PROTECTION
A B C	INLET PROTECTION TYPE
XXX	STORM SEWER STRUCTURE NUMBER

MATCH LINE 1358'NB'+50

1359'SB'+00 1360'SB'+00 1361'SB'+00 1362'SB'+00 1363'SB'+00 1364'SB'+00 1365'SB'+00 1366'S

IH 41 'SB'

1359'NB'+00 1360'NB'+00 1361'NB'+00 1362'NB'+00 1363'NB'+00 1364'NB'+00 1365'NB'+00 1366'N

IH 41 'NB'

MATCH LINE 1366'NB'+00

USH 10/STH 441 TO IH 41 NB

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 84	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022024-ec

PLOT DATE : 5/23/2023 11:08 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

AMERICAN CT.

IH 41 'SB'

B'+00 | 1367'SB'+00 | 1368'SB'+00 | 1369'SB'+00 | 1370'SB'+00 | 1371'SB'+00 | 1372'SB'+00 | 1373'SB'+00

MATCH LINE 1366'NB'+00

MATCH LINE 1373'NB'+50

UB'+00 | 1367'NB'+00 | 1368'NB'+00 | 1369'NB'+00 | 1370'NB'+00 | 1371'NB'+00 | 1372'NB'+00 | 1373'NB'+00

IH 41 'NB'

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

MATCH LINE 1373'NB'+50

IH 41 'SB'

1374'SB'+00 | 1375'SB'+00 | 1376'SB'+00 | 1377'SB'+00 | 1378'SB'+00 | 1379'SB'+00 | 1380'SB'+00 | 1381'S

MATCH LINE 1381'NB'+00

1374'NB'+00 | 1375'NB'+00 | 1376'NB'+00 | 1377'NB'+00 | 1378'NB'+00 | 1379'NB'+00 | 1380'NB'+00 | 1381'N

IH 41 'NB'

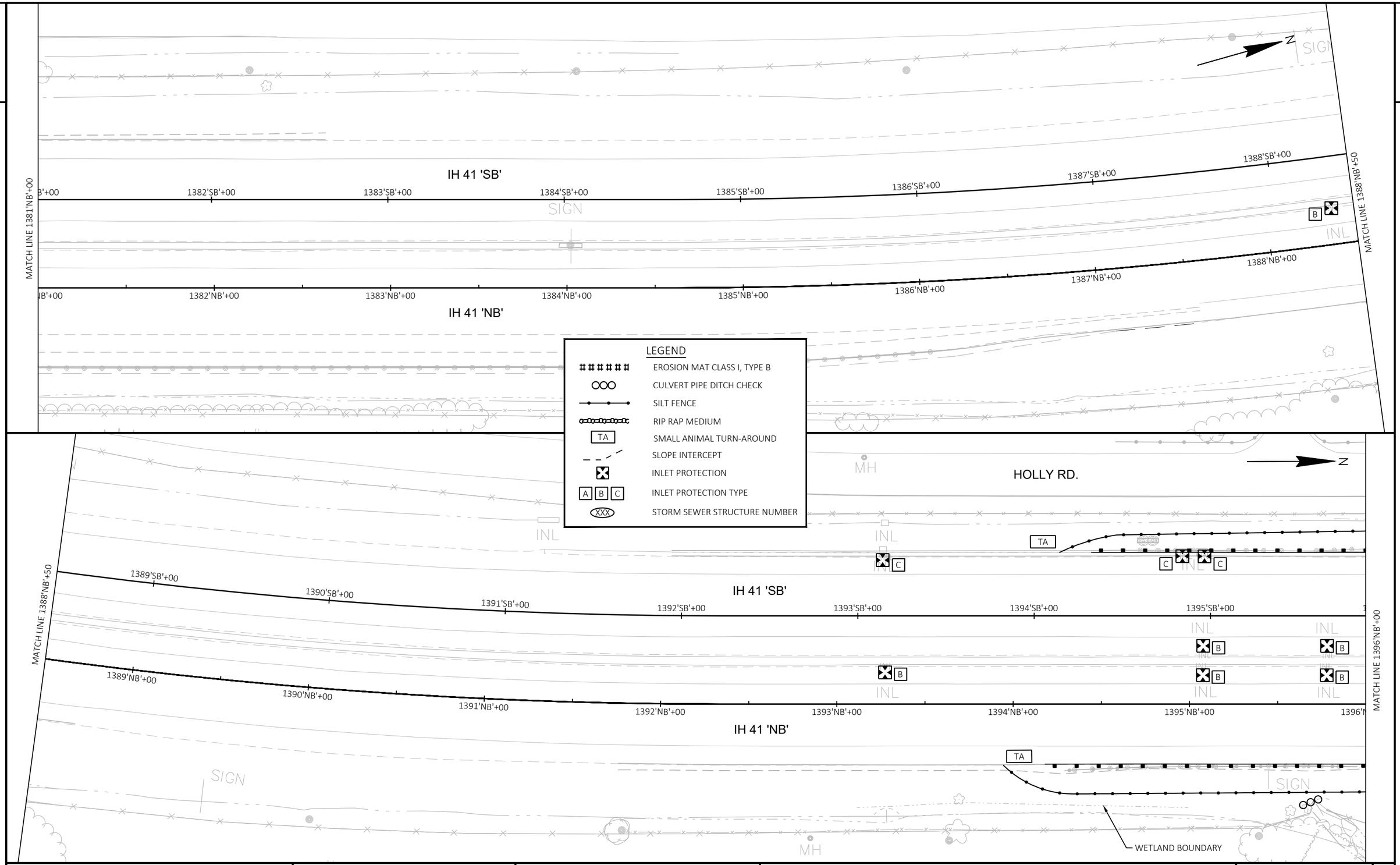
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 85	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022025-ec

PLOT DATE : 5/23/2023 11:10 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



2

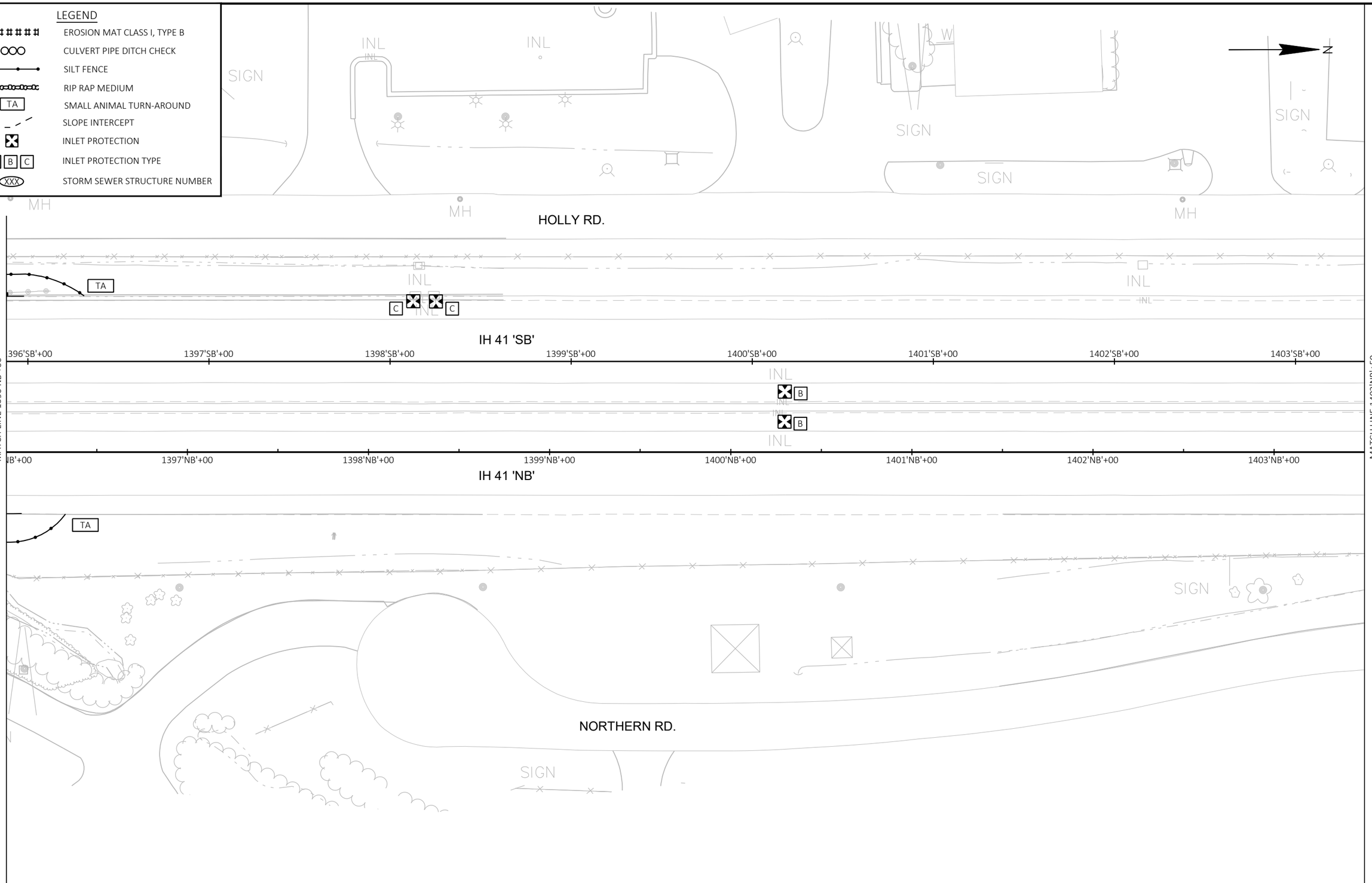
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 86	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022026-ec
PLOT DATE : 5/23/2023 11:12 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 87	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022027-ec

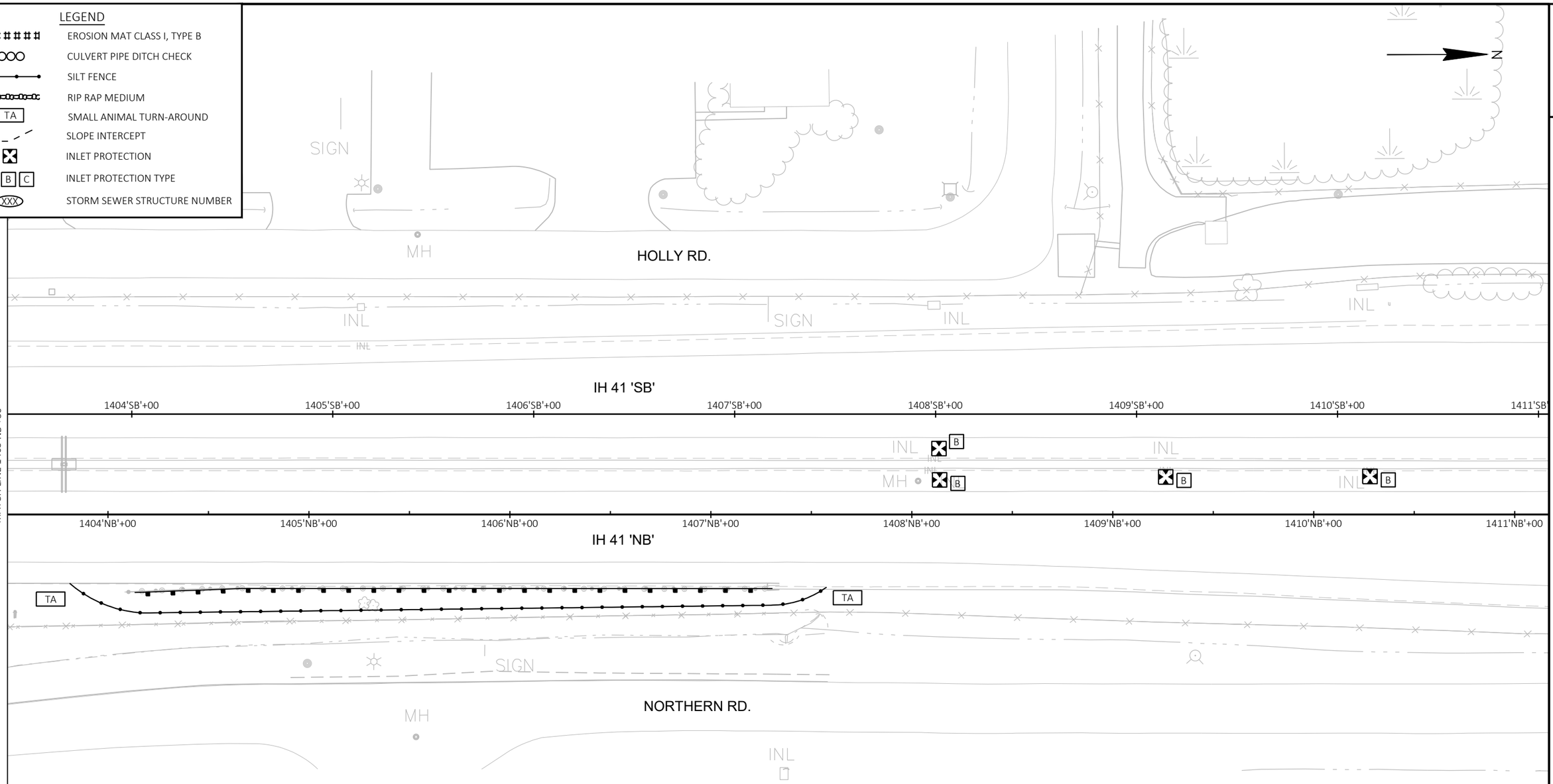
PLOT DATE : 5/23/2023 11:13 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 88	E

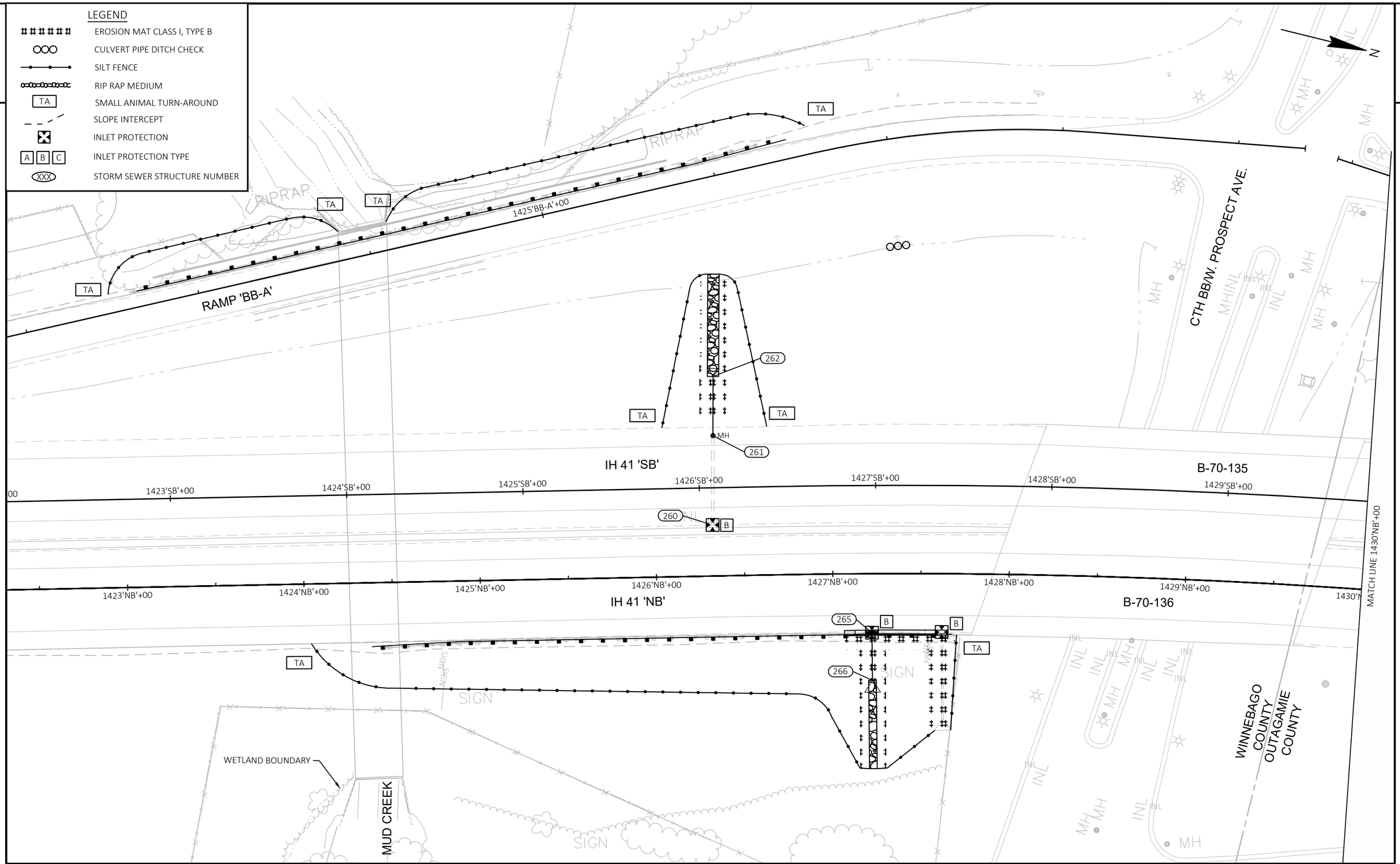
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022028-ec

PLOT DATE : 5/23/2023 11:14 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

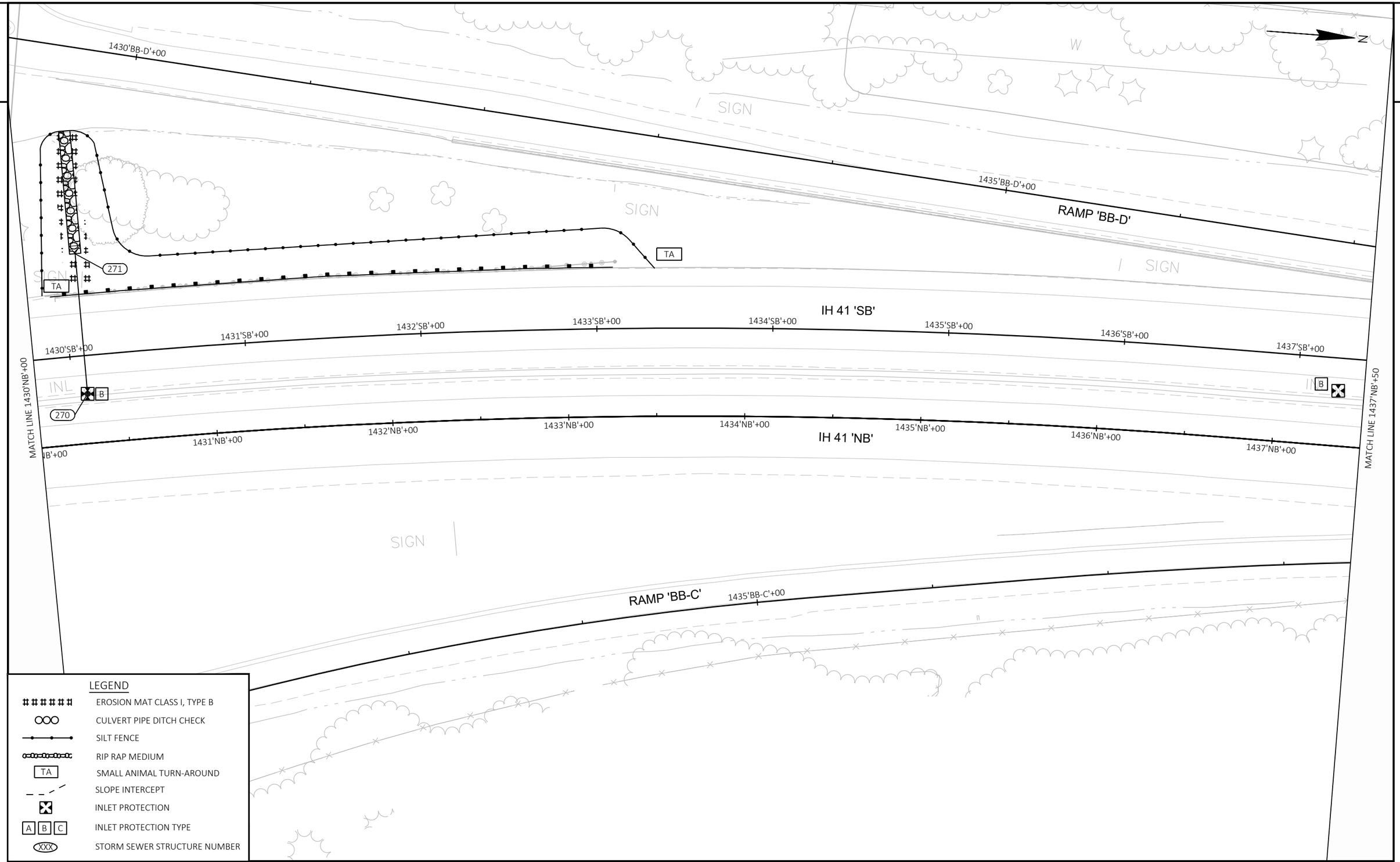
- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 89	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022029-ec

PLOT DATE : 5/23/2023 11:15 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 90	E

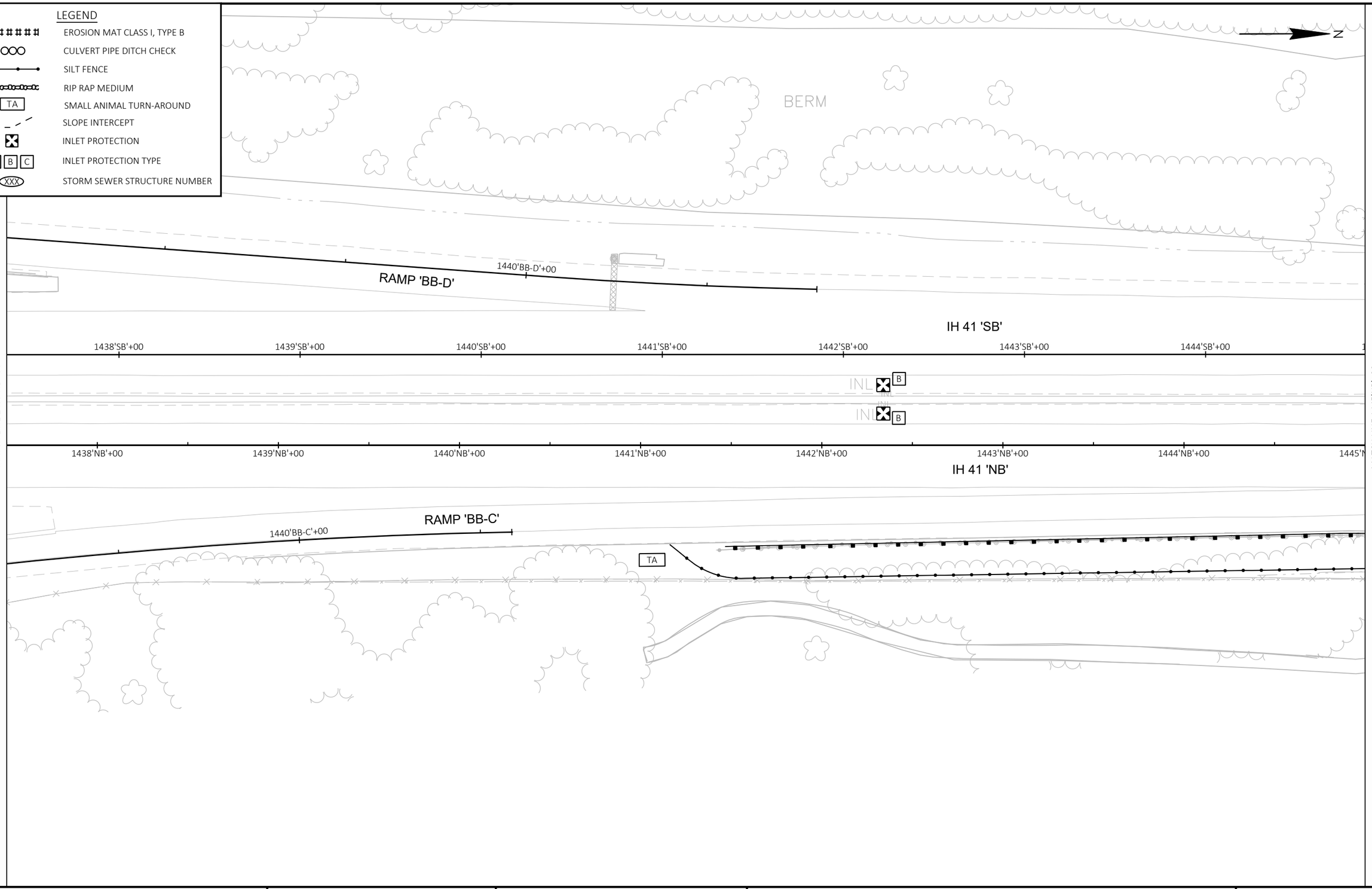
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022030-ec

PLOT DATE : 5/23/2023 11:16 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 91	E

2

MATCH LINE 1445'NB+00

445'SB'+00 1446'SB'+00 1447'SB'+00 1448'SB'+00 1449'SB'+00 1450'SB'+00 1451'SB'+00 1452'SB'+00

IH 41 'SB'

B B B B

1446'NB'+00 1447'NB'+00 1448'NB'+00 1449'NB'+00 1450'NB'+00 1451'NB'+00 1452'NB'+00

IH 41 'NB'

TA

MATCH LINE 1452'NB+50

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

MATCH LINE 1452'NB+50

1453'SB'+00 1454'SB'+00 1455'SB'+00 1456'SB'+00 1457'SB'+00 1458'SB'+00 1459'SB'+00

IH 41 'SB'

B B

1453'NB'+00 1454'NB'+00 1455'NB'+00 1456'NB'+00 1457'NB'+00 1458'NB'+00 1459'NB'+00

IH 41 'NB'

B

S. WESTLAND DRIVE

MATCH LINE 1460'NB+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 92	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022032-ec

PLOT DATE : 5/23/2023 11:18 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCH LINE 1460'NB'+00

MATCH LINE 1467'NB'+50

N

IH 41 'SB'

460'SB'+00 1461'SB'+00 1462'SB'+00 1463'SB'+00 1464'SB'+00 1465'SB'+00 1466'SB'+00 1467'SB'+00

B B B B

IB'+00 1461'NB'+00 1462'NB'+00 1463'NB'+00 1464'NB'+00 1465'NB'+00 1466'NB'+00 1467'NB'+00

IH 41 'NB'

B B

S. WESTLAND DRIVE

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

SIGN SIGN SIGN SIGN

TA TA

N

IH 41 'SB'

1468'SB'+00 1469'SB'+00 1470'SB'+00 1471'SB'+00 1472'SB'+00 1473'SB'+00 1474'SB'+00 1475'SB'

MATCH LINE 1467'NB'+50

B B

1468'NB'+00 1469'NB'+00 1470'NB'+00 1471'NB'+00 1472'NB'+00 1473'NB'+00 1474'NB'+00 1475'NB'+00

IH 41 'NB'

S. WESTLAND DRIVE

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 93	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022033-ec

PLOT DATE : 5/23/2023 11:20 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

B-44-163

IH 41 'SB'

1479'SB'+00 1480'SB'+00 1481'SB'+00 1482'SB'+00 1483'SB'+00 1484'SB'+00 1485'SB'+00 1486'SB'+00

1485'CA-A'+00

RAMP 'CA-A'

TA TA TA TA

291 290

MH MH

1479'NB'+00 1480'NB'+00 1481'NB'+00 1482'NB'+00 1483'NB'+00 1484'NB'+00 1485'NB'+00 1486'NB'+00

IH 41 'NB'

300 301 B B

INL

MATCH LINE 1486'NB'+57

B-44-164

TA TA TA

280 281 B B

WESTLAND DR.

W. SPENCER ST.

20'CA-B'+00

RAMP 'CA-B'

302

SIGN SIGN SIGN

INL INL INL MH

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 94	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022034-ec
PLOT DATE : 5/23/2023 11:21 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

RAMP 'CA-A'

TA

IH 41 'SB'

1487'SB'+00 1488'SB'+00 1489'SB'+00 1490'SB'+00 1491'SB'+00 1492'SB'+00 1493'SB'+00 1494'SB'+

MATCH LINE 1486'NB'+57

W

310 B

311 B

INL

INL

1487'NB'+00 1488'NB'+00 1489'NB'+00 1490'NB'+00 1491'NB'+00 1492'NB'+00 1493'NB'+00 1494'NB'+00

IH 41 'NB'

MATCH LINE 1494'NB'+19

TA

TA

312

TA

TA

TA

TA

25'CA-B'+00

RAMP 'CA-B'

INL

MH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 95	E

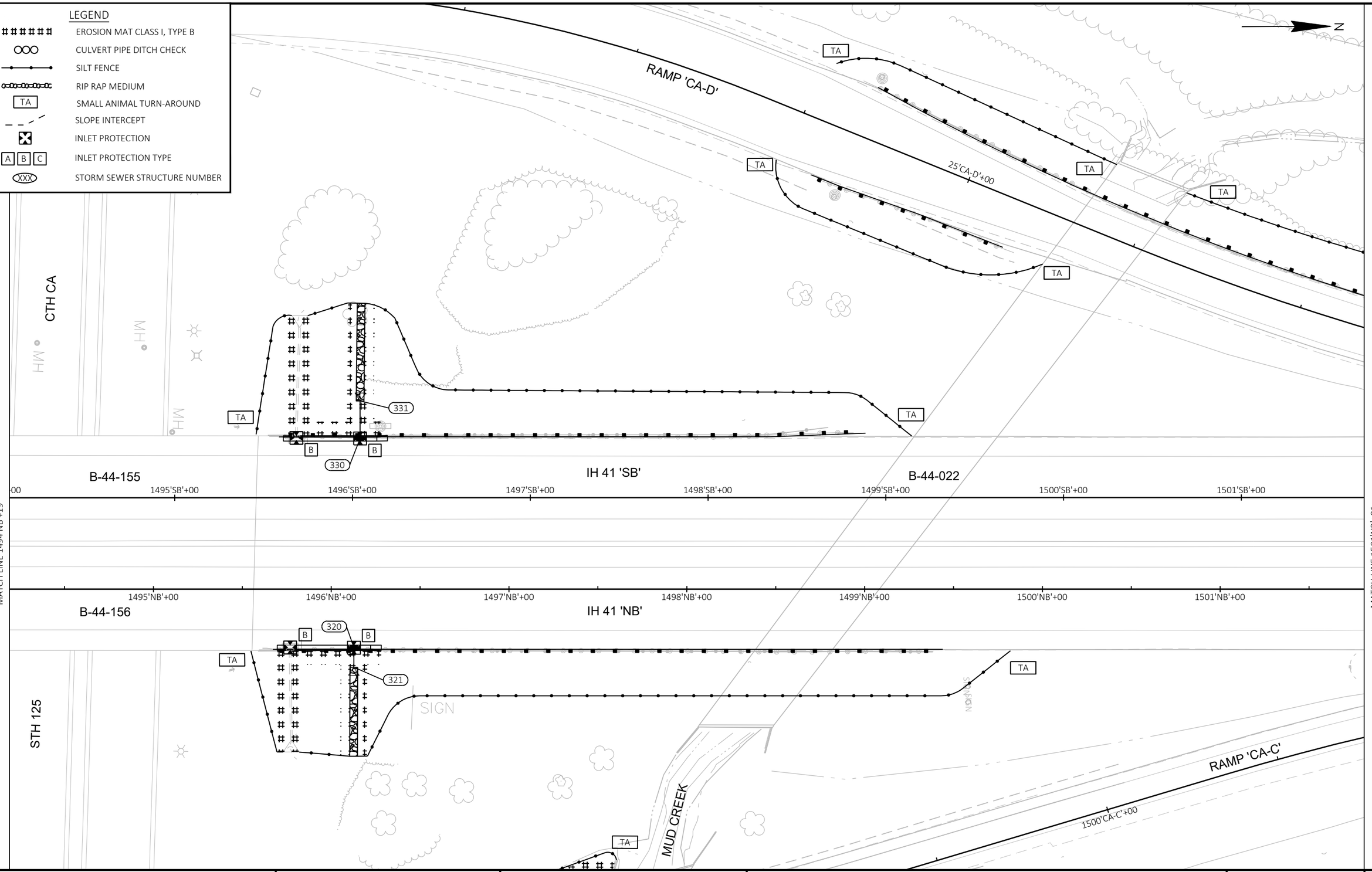
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022035-ec

PLOT DATE : 5/23/2023 11:21 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 96	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022036-ec
PLOT DATE : 5/23/2023 11:22 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

TA

TA

RAMP 'CA-D'

30'CA-D'+00

35'CA-D'

SIGN

IH 41 'SB'

1502'SB'+00 1503'SB'+00 1504'SB'+00 1505'SB'+00 1506'SB'+00 1507'SB'+00 1508'SB'+00 1509'SB'+00

MATCH LINE 1501'NB'+81

MATCH LINE 1509'NB'+43

B B B B

1502'NB'+00 1503'NB'+00 1504'NB'+00 1505'NB'+00 1506'NB'+00 1507'NB'+00 1508'NB'+00 1509'NB'+00

IH 41 'NB'

RAMP 'CA-C'

1505'CA-C'+00

SIGN

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 97	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022037-ec

PLOT DATE : 5/23/2023 11:23 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

MH

SIGN

+00

IH 41 'SB'

1510'SB'+00 1511'SB'+00 1512'SB'+00 1513'SB'+00 1514'SB'+00 1515'SB'+00 1516'SB'+00

MATCH LINE 1509'NB'+43

B B

W W

SIGN

1510'NB'+00 1511'NB'+00 1512'NB'+00 1513'NB'+00 1514'NB'+00 1515'NB'+00 1516'NB'+00 1517'NB

IH 41 'NB'

MATCH LINE 1517'NB'+05

TA

MH

BLDG

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 98	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022038-ec

PLOT DATE : 5/23/2023 11:24 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

SIGN

WETLAND BOUNDARY

WETLAND BOUNDARY

TA

TA

TA

TA

337

336 B

335 B

IH 41 'SB'

MATCH LINE 1517'NB'+05

17'SB'+00 1518'SB'+00 1519'SB'+00 1520'SB'+00 1521'SB'+00 1522'SB'+00 1523'SB'+00 1524'SB'+00

+00 1518'NB'+00 1519'NB'+00 1520'NB'+00 1521'NB'+00 1522'NB'+00 1523'NB'+00 1524'NB'+00

IH 41 'NB'

MATCH LINE 1524'NB'+67

25'WI-B'+00

TA

TA

MH

SIGN

SIGN

POST

SIGN

MH

MH

INL

INL

MH

INL

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 99	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022039-ec

PLOT DATE : 5/23/2023 11:25 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

N

5'WI-A'+00

RAMP 'WI-A'

TA

IH 41 'SB'

1525'SB'+00 1526'SB'+00 1527'SB'+00 1528'SB'+00 1529'SB'+00 1530'SB'+00 1531'SB'+00 1532'SB'+00

1525'NB'+00 1526'NB'+00 1527'NB'+00 1528'NB'+00 1529'NB'+00 1530'NB'+00 1531'NB'+00 1532'NB'+00

IH 41 'NB'

MATCH LINE 1524'NB'+67

MATCH LINE 1532'NB'+29

TA

30'WI-B'+00

RAMP 'WI-B'

SIGN

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 100	E

2

2

N

STH 96

RAMP 'WI-A'

RAMP 'WI-D'

SIGN

TA

351

350

B

B

IH 41 'SB'

1533'SB'+00 1534'SB'+00 1535'SB'+00 1536'SB'+00 1537'SB'+00 1538'SB'+00 1539'SB'+00

MATCH LINE 1532'NB'+29

1533'NB'+00 1534'NB'+00 1535'NB'+00 1536'NB'+00 1537'NB'+00 1538'NB'+00 1539'NB'+00 1540'NB

IH 41 'NB'

END PROJECT
1536'NB'+89.00

340

341

B

B

TA

35'WI-B'+00

RAMP 'WI-B'

RAMP 'WI-C'

STH 96

LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

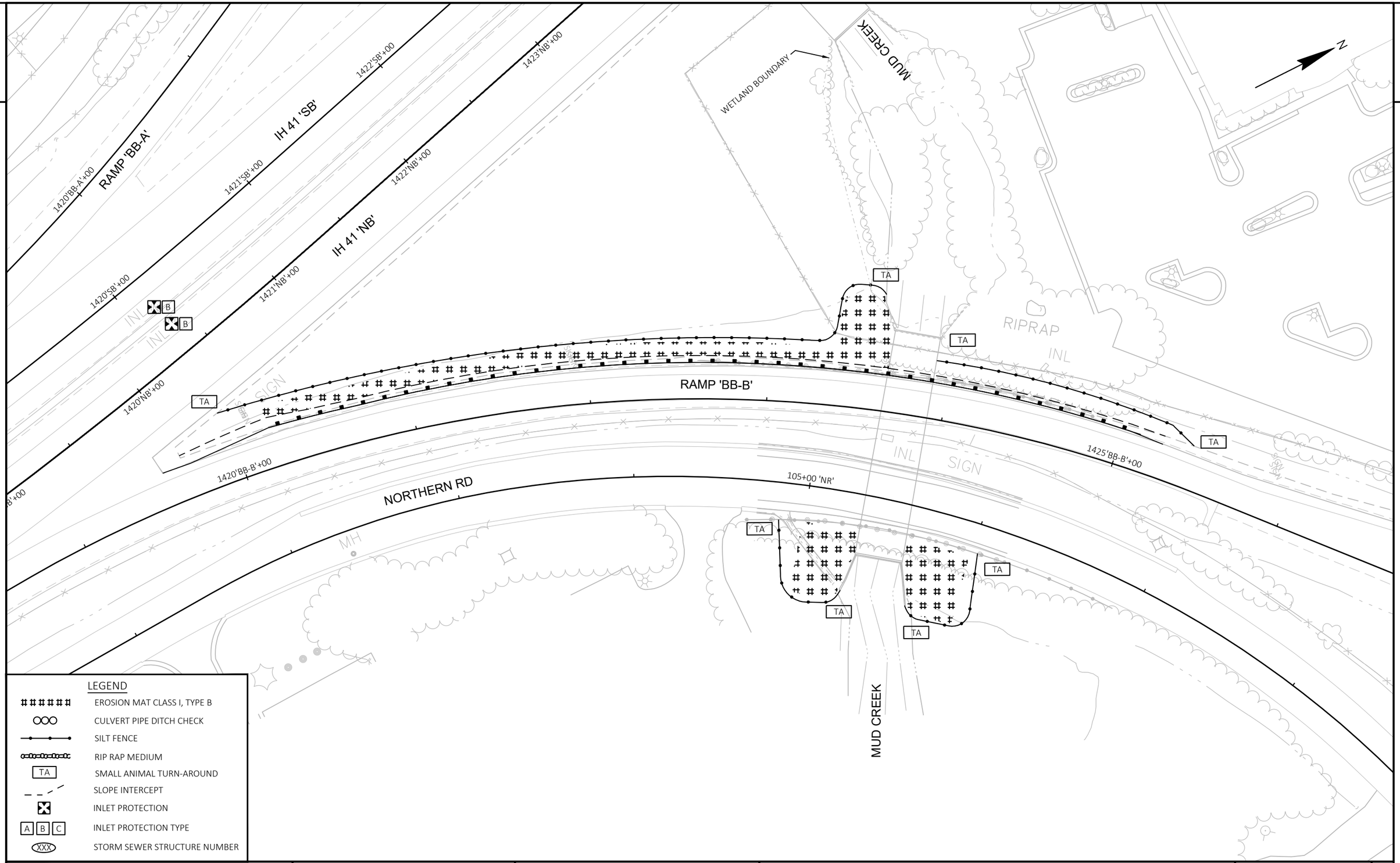
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 101	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022041-ec

PLOT DATE : 5/23/2023 11:27 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 102	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022042-ec

PLOT DATE : 5/23/2023 11:28 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



LEGEND

- EROSION MAT CLASS I, TYPE B
- CULVERT PIPE DITCH CHECK
- SILT FENCE
- RIP RAP MEDIUM
- TA — SMALL ANIMAL TURN-AROUND
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- XXX — STORM SEWER STRUCTURE NUMBER

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 103	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022043-ec

PLOT DATE : 5/23/2023 11:29 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

LEGEND

1	REMOVING STORM SEWER 12-INCH	9	ABANDONING CULVERT PIPES
2	REMOVING STORM SEWER 15-INCH	10	EXISTING MANHOLE TO REMAIN
3	REMOVING STORM SEWER 18-INCH	11	CURED IN PLACE PIPE LINER, 12-INCH
4	REMOVING STORM SEWER 24-INCH	12	CONCRETE COLLAR
5	REMOVING APRON ENDWALLS	13	PIPE UNDERDRAIN 6-INCH
6	REMOVING INLETS	14	PIPE UNDERDRAIN 8-INCH
7	ABANDONING INLETS	XXX	STORM SEWER STRUCTURE NUMBER
8	EXISTING INLET TO REMAIN		

COMPLETE STORM SEWER WORK UNDER STAGE 4A RAMP JJ-A AND LANE CLOSURES

WE ENERGIES (GAS)

CAUTION

1140'SB'+00

1140'NB'+00

1145'SB'+00

1145'NB'+00

USH 41 'SB'

USH 41 'NB'

RAMP 'JJ-A'

1150'SB'+00

1150'NB'+00

1150'JJ-B'+00

RAMP 'JJ-B'

B-70-049

B-70-050

S GREEN BAY RD

W CECIL ST

* CONTRACTOR TO FIELD VERIFY UNDERDRAIN ELEVATIONS, SLOPE TO DRAIN, AND CAP THE END OF THE UNDERDRAIN IF NOT CONNECTING TO AN EXISTING UNDERDRAIN OR TYING INTO A STRUCTURE

COMPLETE STORM SEWER WORK UNDER OFF-PEAK CLOSURE OF ENTRANCE RAMP 'JJ-A'. REFER TO "ONRAMP CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

TEMPORARY CONNECTION REQUIRED

1155'JJ-A'+00

1160'JJ-A'+00

1165'JJ-A'+00

RAMP 'JJ-A'

1155'SB'+00

1155'NB'+00

1160'SB'+00

1160'NB'+00

1165'SB'+00

1165'NB'+00

USH 41 'SB'

USH 41 'NB'

1155'JJ-B'+00

1160'JJ-B'+00

RAMP 'JJ-B'

COMPLETE STORM SEWER WORK UNDER SB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

COMPLETE STORM SEWER CROSSING UNDER NB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

COMPLETE STORM SEWER CROSSING UNDER NB/SB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

CAUTION

WE ENERGIES (GAS)

TDS METROCOM

AT&T WISCONSIN

WE ENERGIES (ELECTRIC)

US SIGNAL COMPANY LLC

LEVEL 3 COM LLC (LUMEN)

WINNECONNE AVE

NEENAH WATER UTILITY

B-70-123

B-70-124

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	STORM SEWER	SHEET 104	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss
PLOT DATE : 8/22/2023 3:03 PM
PLOT BY : SCHMIDT, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

NEENAH WATER UTILITY

NEENAH SANITARY DISTRICT #3

WE ENERGIES (GAS)

CAUTION

COMPLETE STORM SEWER WORK UNDER NB/SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

1200'SB'+00 1205'SB'+00 USH 41 'SB' 1210'SB'+00

1200'NB'+00 1205'NB'+00 1210'NB'+00

USH 41 'NB'

1205'MSA'+00 RAMP 'MS-A' 1210'MSA'+00

COMPLETE STORM SEWER WORK UNDER OFF-PEAK CLOSURE OF EXIT RAMP 'MS-A'. REFER TO "TRAFFIC CONTROL, EXIT RAMP WITH AUXILIARY LANE CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

RAMP 'MS-B'

EXISTING 12" CMCP TO REMAIN

COMPLETE STORM SEWER WORK UNDER NB/SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

LEGEND

1 REMOVING STORM SEWER 12-INCH	9 ABANDONING CULVERT PIPES
2 REMOVING STORM SEWER 15-INCH	10 EXISTING MANHOLE TO REMAIN
3 REMOVING STORM SEWER 18-INCH	11 CURED IN PLACE PIPE LINER, 12-INCH
4 REMOVING STORM SEWER 24-INCH	12 CONCRETE COLLAR
5 REMOVING APRON ENDWALLS	13 PIPE UNDERDRAIN 6-INCH
6 REMOVING INLETS	14 PIPE UNDERDRAIN 8-INCH
7 ABANDONING INLETS	XXX STORM SEWER STRUCTURE NUMBER
8 EXISTING INLET TO REMAIN	

* CONTRACTOR TO FIELD VERIFY UNDERDRAIN ELEVATIONS, SLOPE TO DRAIN, AND CAP THE END OF THE UNDERDRAIN IF NOT CONNECTING TO AN EXISTING UNDERDRAIN OR TYING INTO A STRUCTURE

WE ENERGIES (ELECTRIC)

COMPLETE STORM SEWER WORK UNDER STAGE 4A RAMP MS-B AND LANE CLOSURES

SPECTRUM

AT&T WISCONSIN

MAIN ST

1215'MSB'+00

RAMP 'MS-B'

1215'SB'+00 B-70-125 1220'SB'+00 USH 41 'SB' 1225'SB'+00 B-70-127

COMPLETE STORM SEWER WORK UNDER NB/SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

1215'NB'+00 B-70-126 1220'NB'+00 USH 41 'NB' 1225'NB'+00 B-70-128

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

COMPLETE STORM SEWER WORK UNDER NB/SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

WE ENERGIES (GAS)

AT&T LOCAL NETWORK

1215'MSA'+00

NEENAH SANITARY DISTRICT #3

WE ENERGIES (ELECTRIC)

CAUTION

CTH O

RIDGEWAY RD

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

CAUTION

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	STORM SEWER	SHEET 105	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss

PLOT DATE : 8/22/2023 3:04 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

RAMP 'II-A'

1250'II-A'+00

WISDOT ITS

COMPLETE STORM SEWER CROSSING UNDER SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION" AND NB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

1250'SB'+00

1250'NB'+00

USH 41 NB'

RAMP 'II-B'

1250'II-B'+00

COMPLETE STORM SEWER WORK UNDER OFF-PEAK EXIT RAMP 'II-B' CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

1255'II-D'+00

RAMP 'II-D'

1260'II-D'+00

CTH II

SPECTRUM

B-70-129

1255'SB'+00

1255'NB'+00

B-70-130

USH 41 'SB'

COMPLETE STORM SEWER WORK UNDER SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION" AND NB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

1260'SB'+00

1260'NB'+00

1260'II-C'+00

RAMP 'II-C'

1255'II-B'+00

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

CAUTION

LEGEND

(1) REMOVING STORM SEWER 12-INCH	(9) ABANDONING CULVERT PIPES
(2) REMOVING STORM SEWER 15-INCH	(10) EXISTING MANHOLE TO REMAIN
(3) REMOVING STORM SEWER 18-INCH	(11) CURED IN PLACE PIPE LINER, 12-INCH
(4) REMOVING STORM SEWER 24-INCH	(12) CONCRETE COLLAR
(5) REMOVING APRON ENDWALLS	(13) PIPE UNDERDRAIN 6-INCH
(6) REMOVING INLETS	(14) PIPE UNDERDRAIN 8-INCH
(7) ABANDONING INLETS	(XXX) STORM SEWER STRUCTURE NUMBER
(8) EXISTING INLET TO REMAIN	

* CONTRACTOR TO FIELD VERIFY UNDERDRAIN ELEVATIONS, SLOPE TO DRAIN, AND CAP THE END OF THE UNDERDRAIN IF NOT CONNECTING TO AN EXISTING UNDERDRAIN OR TYING INTO A STRUCTURE

N GREEN BAY RD

WCL RR

AMERICAN DR

USH 41 'SB'

1275'SB'+00

1275'NB'+00

1280'SB'+00

1280'NB'+00

COMPLETE STORM SEWER WORK UNDER SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

TDS METROCOM

1270'SB'+00

1270'NB'+00

B-70-131

B-70-132

USH 41 'NB'

CONTRACTOR TO FIELD VERIFY EXISTING PIPE DEFLECTION LOCATION AND INVERT

COMPLETE STORM SEWER WORK UNDER STAGE 3B, 3C, AND 4A II-C RAMP AND LANE CLOSURES

AT&T WISCONSIN

CONTRACTOR TO ALIGN PROPOSED INLET STRUCTURE WITH EXISTING 12-INCH CMCP AND FIELD VERITY PROPOSED INLET STRUCTURE LOCATION, RIM ELEVATION, AND INVERT ELEVATION TO CONNECT INTO EXISTING 24-INCH SSPRC PRIOR TO ORDERING INLET STRUCTURE

CONTRACTOR TO VERIFY PROPOSED INLET STRUCTURE LOCATION, RIM ELEVATION, AND INVERT ELEVATION TO CONNECT INTO EXISTING 24-INCH SSPRC PRIOR TO ORDERING INLET STRUCTURE

COMPLETE STORM SEWER WORK UNDER STAGE 3B, 3C, AND 4A II-C RAMP AND LANE CLOSURES

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	STORM SEWER	SHEET 106 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 8/22/2023 3:06 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

MUD CREEK

RIPRAP

RIPRAP

1425'BB-A'

RAMP 'BB-A'

1420'BB-A'

AT&T WISCONSIN

AT&T LOCAL NETWORK

TDS METROCOM

NET LEC LLC

B-70-021

CTH BB/W. PROSPECT AVE

BP: 1428+91.73

1430'BB-D'+00

SPECTRUM

RAMP 'BB-D'

1435'BB

COMPLETE STORM SEWER WORK UNDER SB SINGLE RIGHT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION"

COMPLETE STORM SEWER CROSSING UNDER SB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

USH 41 'SB'

1420'SB'+00

1425'SB'+00

B-70-135

1430'SB'+00

1435'SB'+00

1425'NB'+00

1430'NB'+00

1435'NB'+00

'NB'+00

USH 41 'NB'

B-70-136

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

WETLAND BOUNDARY

WINNEBAGO COUNTY

OUTAGAMIE COUNTY

WINDSTREAM KDL, LLC

RAMP 'BB-C'

1435'BB-C'+00

1490'CA-A'+00

N

LEGEND

1. REMOVING STORM SEWER 12-INCH
2. REMOVING STORM SEWER 15-INCH
3. REMOVING STORM SEWER 18-INCH
4. REMOVING STORM SEWER 24-INCH
5. REMOVING APRON ENDWALLS
6. REMOVING INLETS
7. ABANDONING INLETS
8. EXISTING INLET TO REMAIN
9. ABANDONING CULVERT PIPES
10. EXISTING MANHOLE TO REMAIN
11. CURED IN PLACE PIPE LINER, 12-INCH
12. CONCRETE COLLAR
13. PIPE UNDERDRAIN 6-INCH
14. PIPE UNDERDRAIN 8-INCH

XXX STORM SEWER STRUCTURE NUMBER

* CONTRACTOR TO FIELD VERIFY UNDERDRAIN ELEVATIONS, SLOPE TO DRAIN, AND CAP THE END OF THE UNDERDRAIN IF NOT CONNECTING TO AN EXISTING UNDERDRAIN OR TYING INTO A STRUCTURE

W. SPENCER ST.

TDS METROCOM

SPECTRUM

WINDSTREAN KDL, LLC

COMPLETE STORM SEWER WORK UNDER STAGE 4A CLOSURE OF ENTRANCE RAMP 'CA-A'. REFER TO "ONRAMP CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

RAMP 'CA-A'

1485'CA-A'+00

WE ENERGIES (GAS)

LEVEL 3 COM LLC (LUMEN)

COMPLETE STORM SEWER WORK UNDER SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND NB DUAL LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY"

1480'SB'+00

B-44-163

1485'SB'+00

USH 41 'SB'

1490'SB'+00

1480'NB'+00

1485'NB'+00

1490'NB'+00

B-44-164

COMPLETE STORM SEWER WORK UNDER NB DUAL RIGHT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY" AND OFF-PEAK EXIT RAMP 'CA-B' CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

WE ENERGIES (GAS)

COMPLETE STORM SEWER WORK UNDER STAGE 4A EXIT RAMP 'CA-B' CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, EXIT RAMP CLOSURE"

CAUTION

WESTLAND DR.

20'CA-B'+00

RAMP 'CA-B'

25'CA-B'+00

TEMPORARY CONNECTION REQ'D

ANR PIPELINE COMPANY

WETLAND BOUNDARY

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	STORM SEWER	SHEET 107	E

LEGEND

1. REMOVING STORM SEWER 12-INCH
2. REMOVING STORM SEWER 15-INCH
3. REMOVING STORM SEWER 18-INCH
4. REMOVING STORM SEWER 24-INCH
5. REMOVING APRON ENDWALLS
6. REMOVING INLETS
7. ABANDONING INLETS
8. EXISTING INLET TO REMAIN
9. ABANDONING CULVERT PIPES
10. EXISTING MANHOLE TO REMAIN
11. CURED IN PLACE PIPE LINER, 12-INCH
12. CONCRETE COLLAR
13. PIPE UNDERDRAIN 6-INCH
14. PIPE UNDERDRAIN 8-INCH
- XXX STORM SEWER STRUCTURE NUMBER

* CONTRACTOR TO FIELD VERIFY UNDERDRAIN ELEVATIONS, SLOPE TO DRAIN, AND CAP THE END OF THE UNDERDRAIN IF NOT CONNECTING TO AN EXISTING UNDERDRAIN OR TYING INTO A STRUCTURE

WISCONSIN NETWORK, LLC

AT&T LOCAL NETWORK

AT&T WISCONSIN

TDS METROCOM

CTH CA

25'CA-D'+00

RAMP 'CA-D'

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

B-44-022

B-44-155

1495'SB'+00

USH 41 'SB'

1500'SB'+00

1490'NB'+00

1495'NB'+00

1500'NB'+00

B-44-156

USH 41 'NB'

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

ANR PIPELINE COMPANY

CAUTION

COMPLETE STORM SEWER CROSSING UNDER SB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION" AND NB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

STH 125

MUD CREEK

LEVEL 3 COM LLC (LUMEN)

RAMP 'CA-B'

25'CA-B'+00

1500'CA-C'+00

RAMP 'CA-C'

COMPLETE STORM SEWER WORK UNDER SB SINGLE RIGHT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION" AND OFF-PEAK CLOSURE OF ENTRANCE RAMP 'WI-A'. REFER TO "ONRAMP CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

RAMP 'WI-D'

5'WI-A'+00

RAMP 'WI-A'

TEMPORARY CONNECTION REQUIRED

WETLAND BOUNDARY

STH 96

WE ENERGIES (ELECTRIC)

COMPLETE STORM SEWER WORK UNDER STAGE 4A LANE CLOSURES

1525'SB'+00

1530'SB'+00

USH 41 'SB'

1535'SB'+00

B-44-157

1525'NB'+00

1530'NB'+00

1535'NB'+00

USH 41 'NB'

B-44-158

END PROJECT
1536'NB'+89.00

5'WI-B'+00

30'WI-B'+00

RAMP 'WI-B'

35'WI-B'+00

COMPLETE STORM SEWER CROSSING UNDER NB SINGLE LEFT LANE CLOSURE IN ACCORDANCE WITH SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, SPEED REDUCTION" AND SB FREEWAY CLOSURE. REFER TO "TRAFFIC CONTROL, THREE LANE FULL FREEWAY CLOSURE" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

WE ENERGIES (GAS)

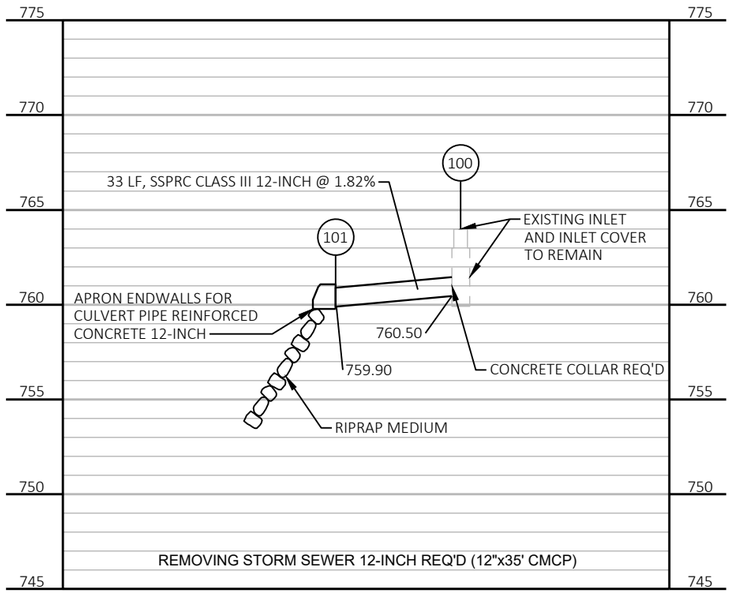
AT&T WISCONSIN

CAUTION

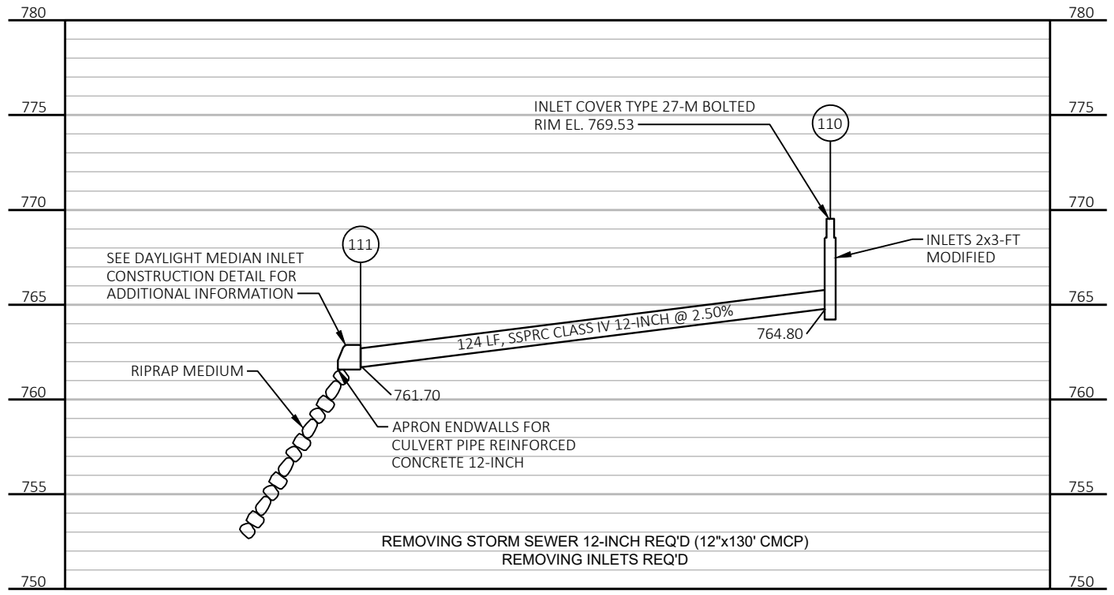
RAMP 'WI-C'

WETLAND BOUNDARY

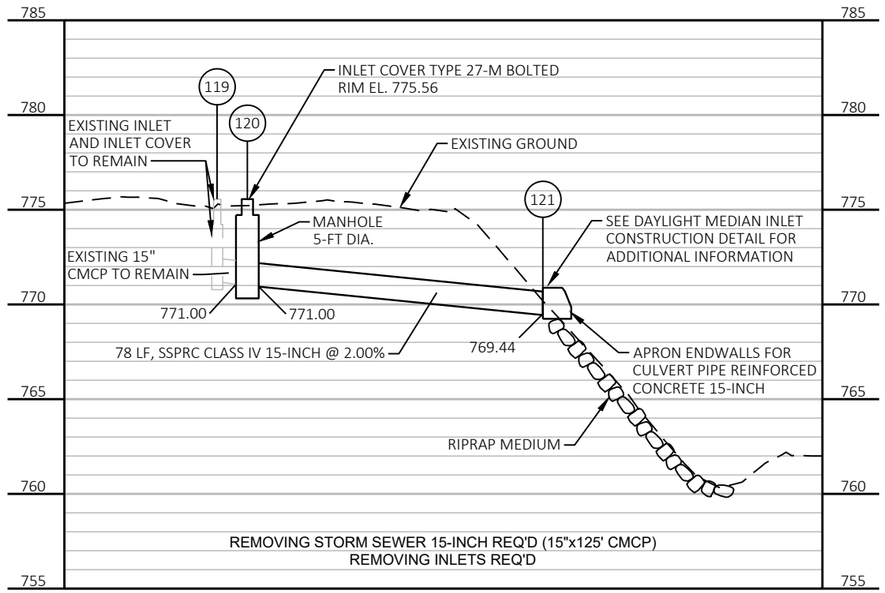
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 108	E



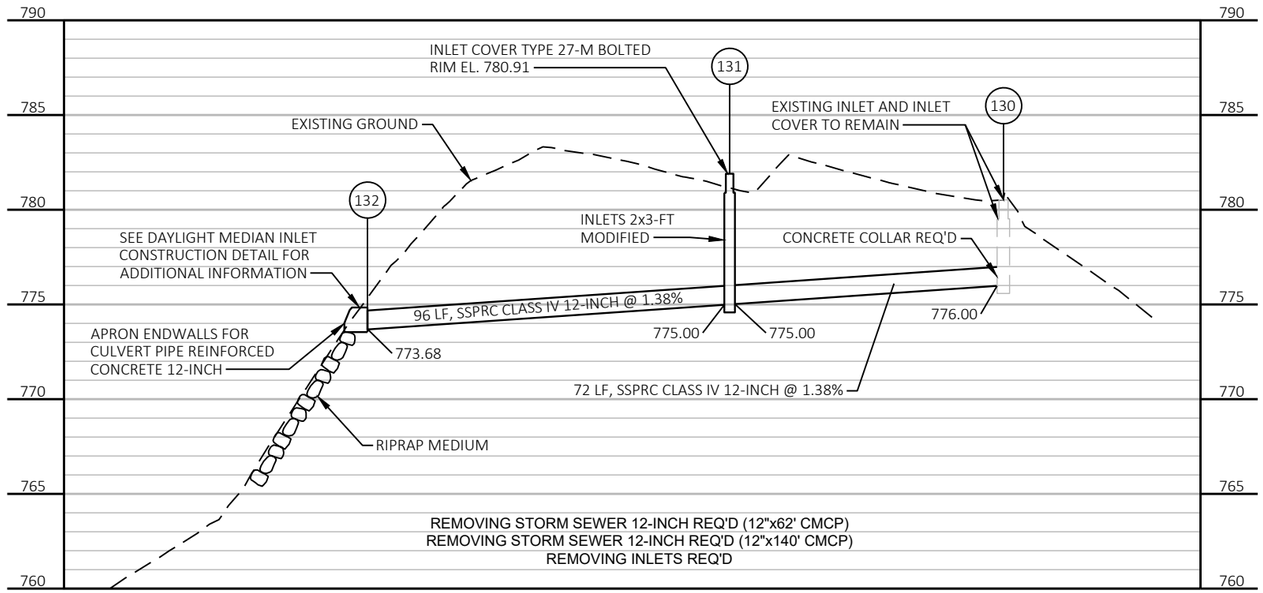
STA. 1146'SB'+00



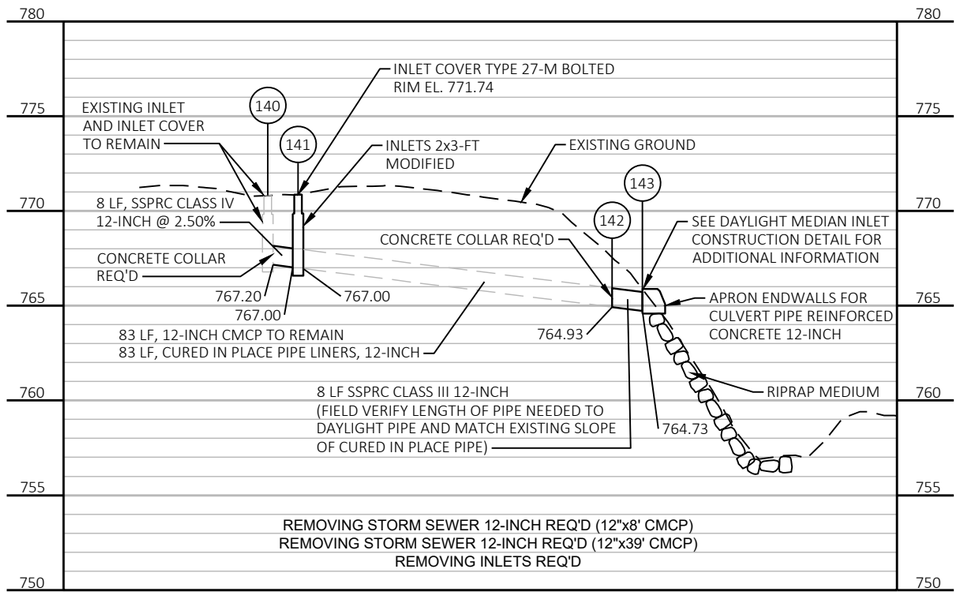
STA. 1153'SB'+83



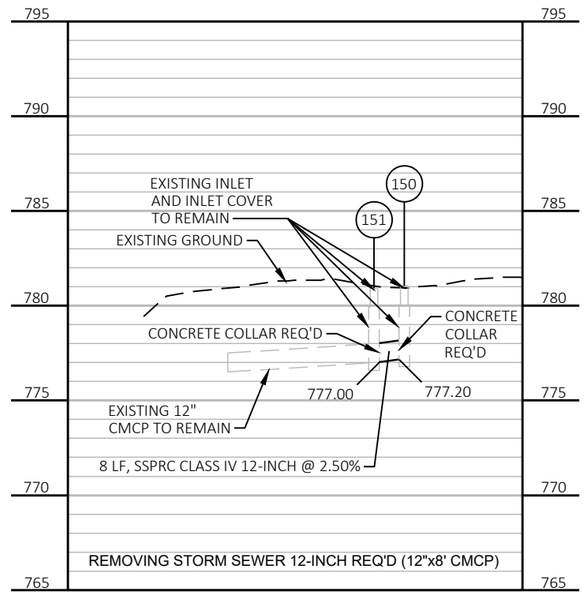
STA. 1160'NB'+00



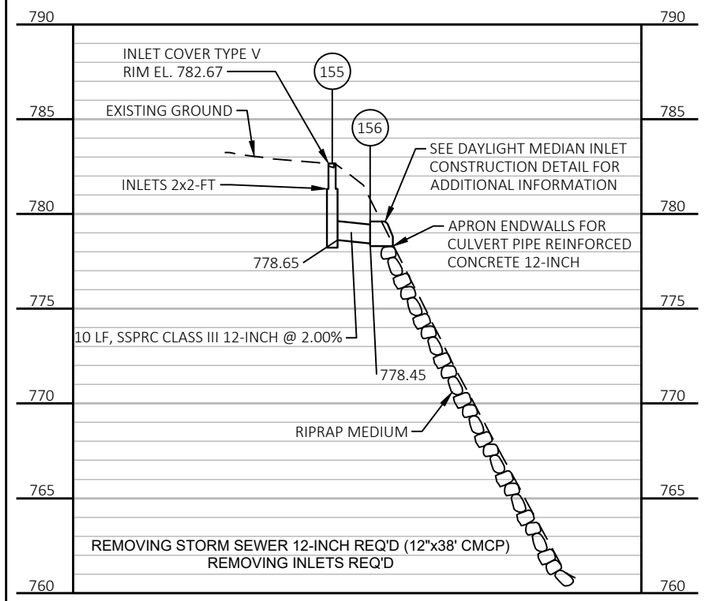
STA. 1165'NB'+74



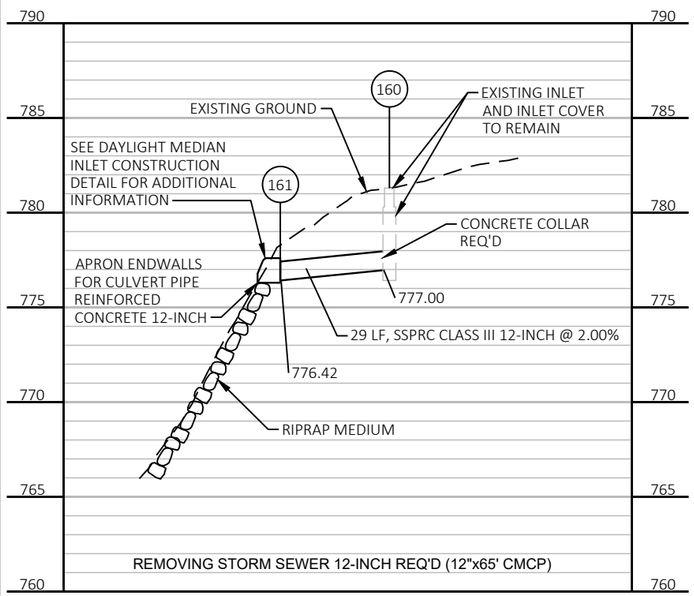
STA. 1201'NB'+50



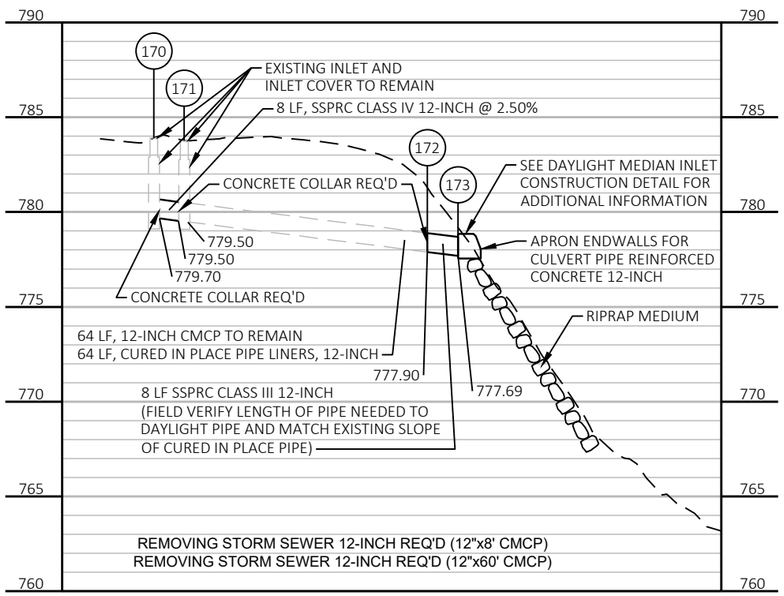
STA. 1211'NB'+78



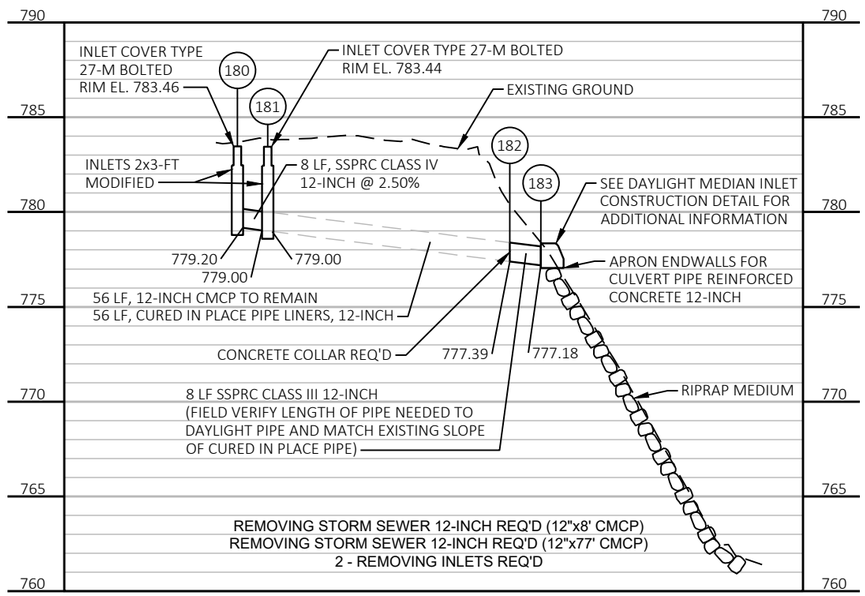
STA. 1215'NB'+29



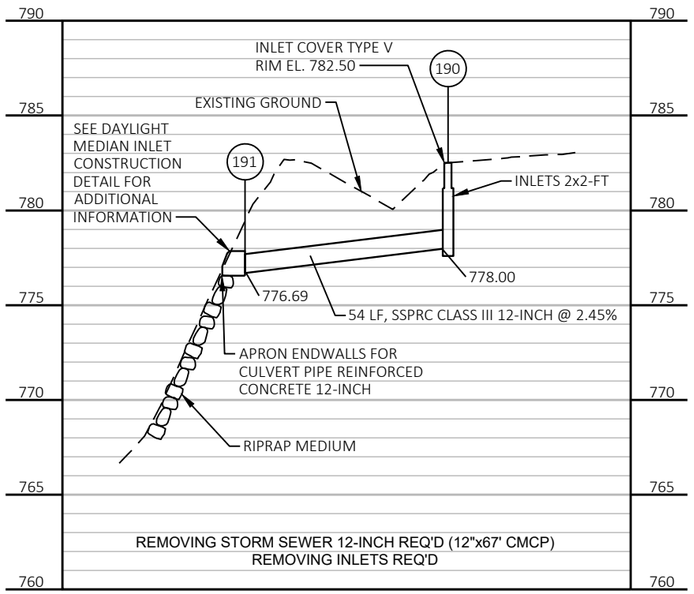
STA. 1215'SB'+54



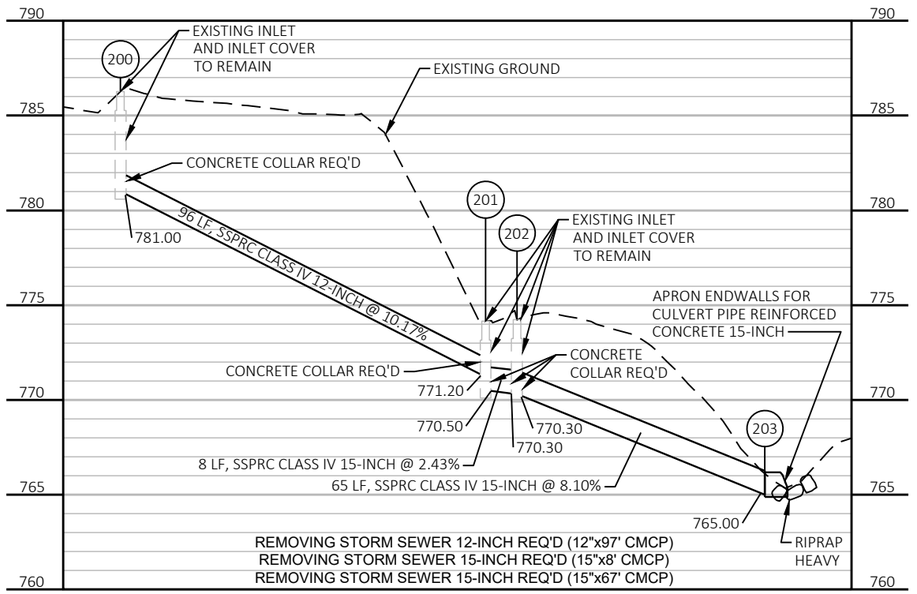
STA. 1217'NB'+43



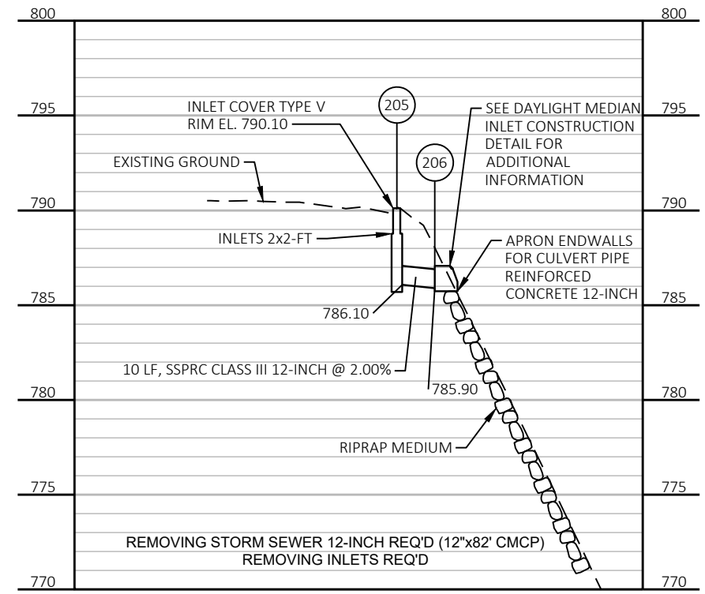
STA. 1226'NB'+63



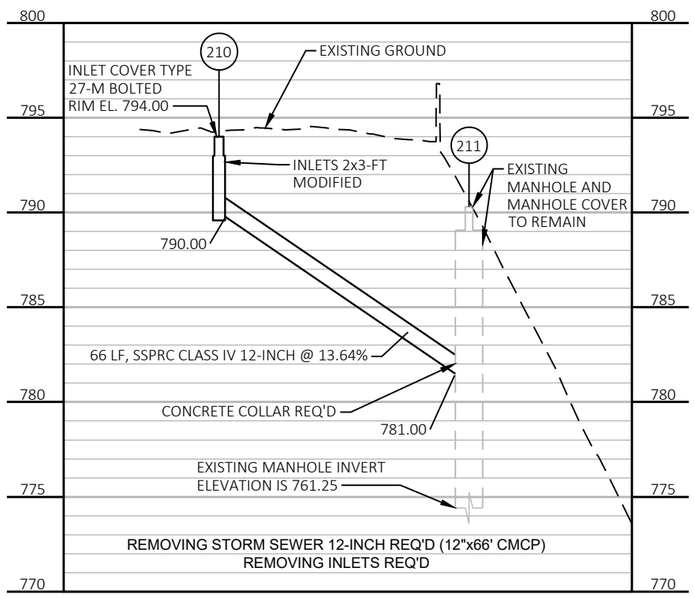
STA. 1228'SB'+58



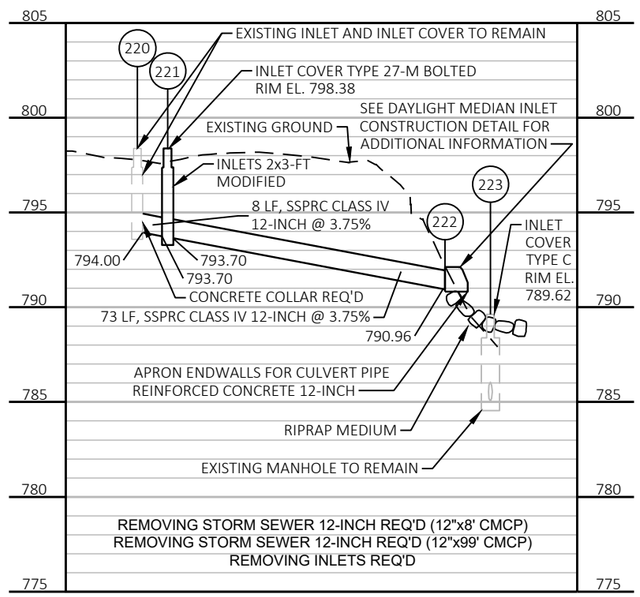
STA. 1251'NB'+33



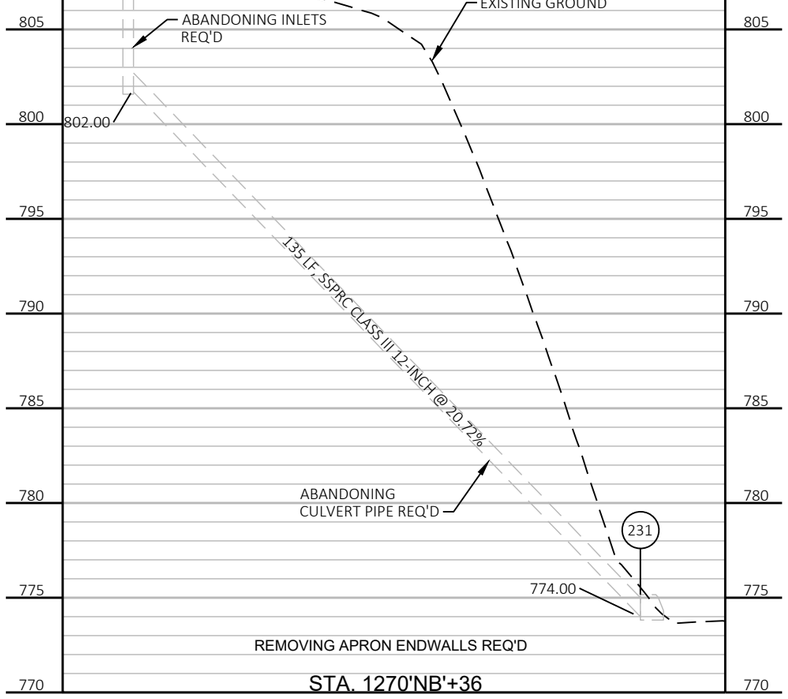
STA. 1253'NB'+95



STA. 1256'NB'+81

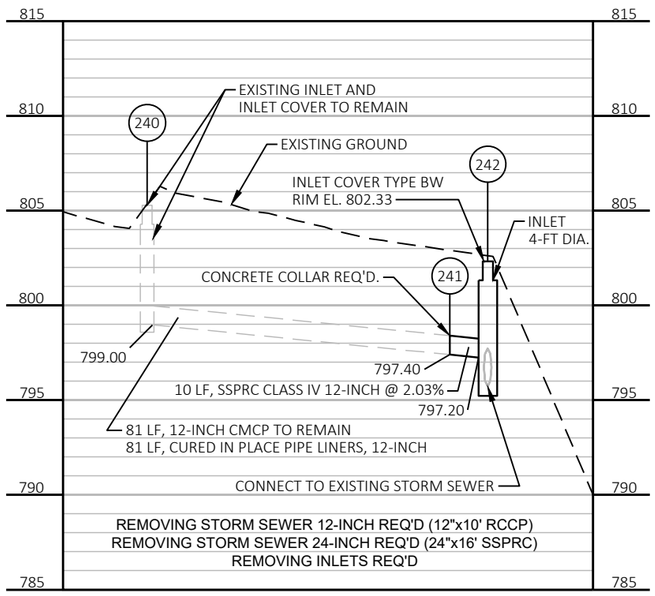


STA. 1260'NB'+27

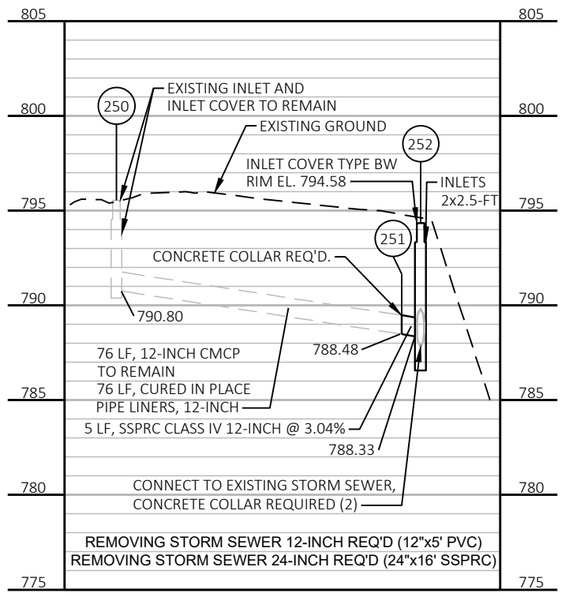


STA. 1270'NB'+36

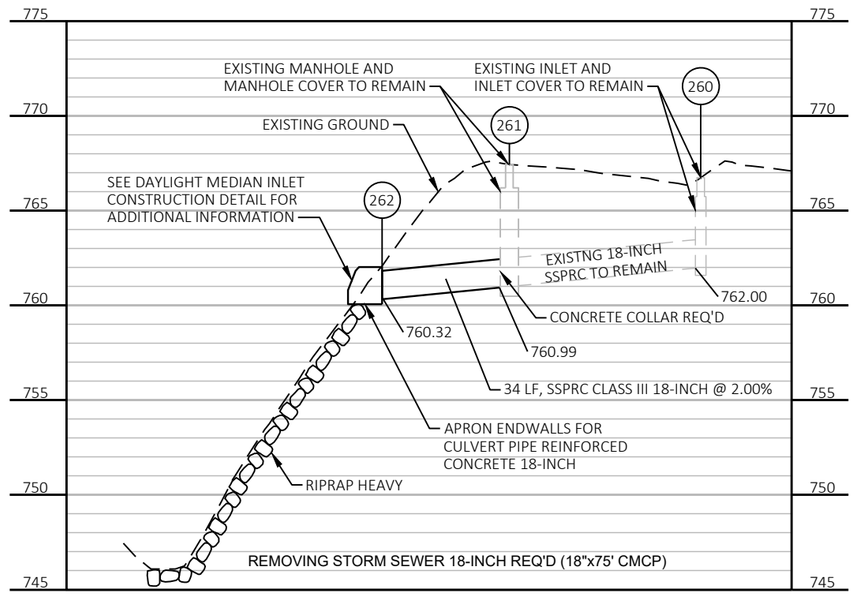
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	STORM SEWER PROFILES	SHEET 111	E



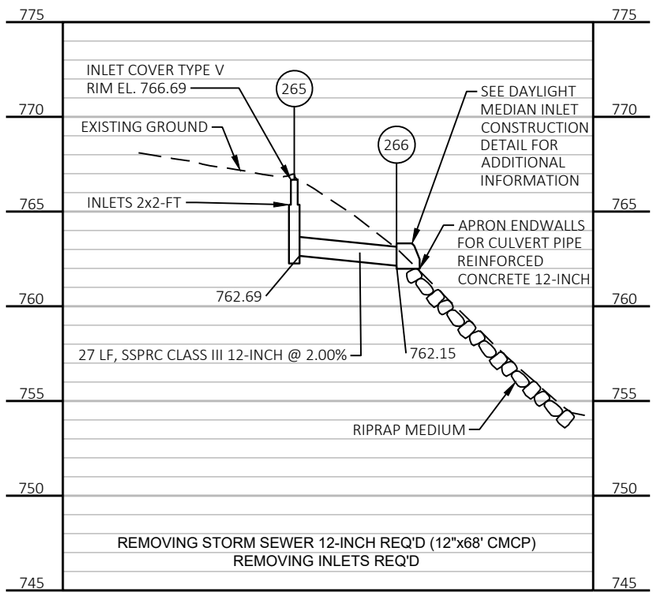
STA. 1275'NB'+50



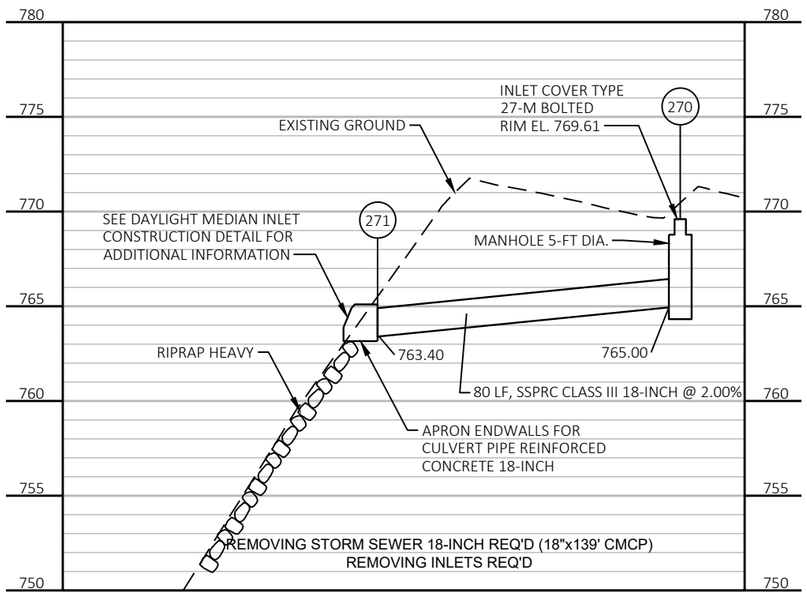
STA. 1280'NB'+09



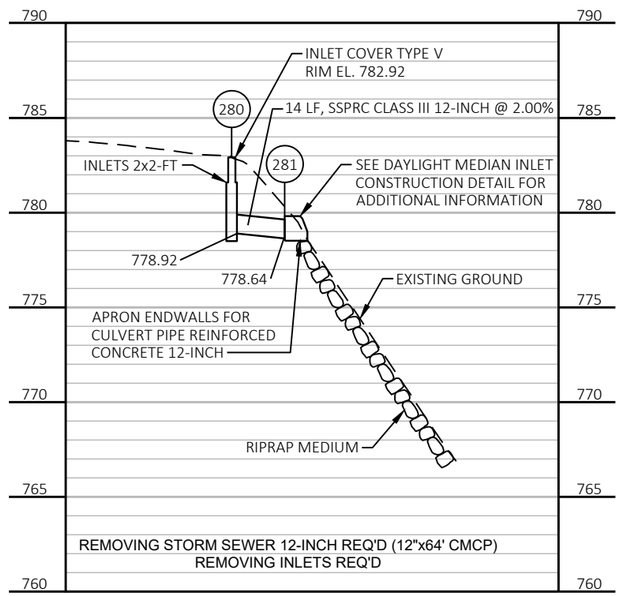
STA. 1426'SB'+09



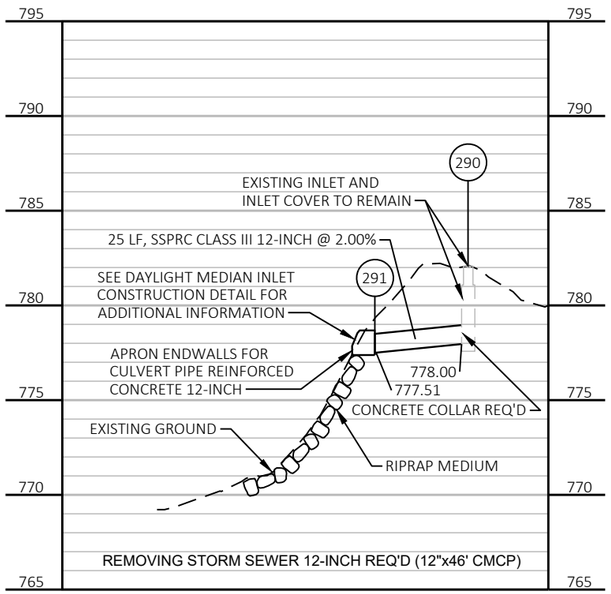
STA. 1427'NB'+22



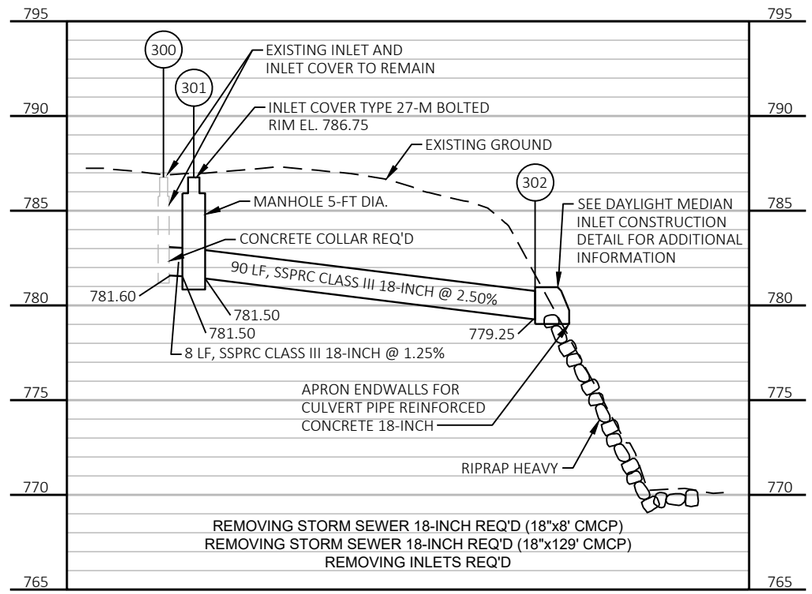
STA. 1430'SB'+08



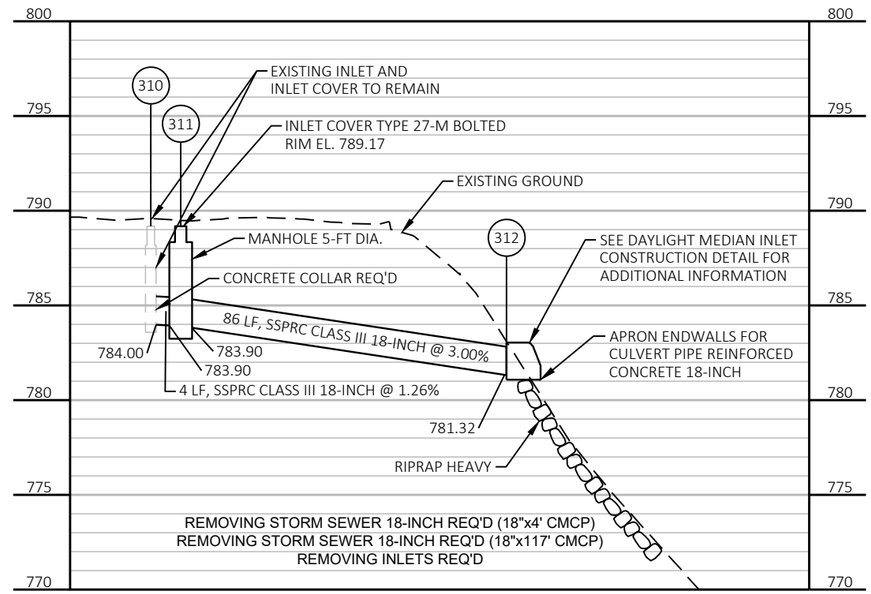
STA. 1481'NB'+67



STA. 1481'SB'+98

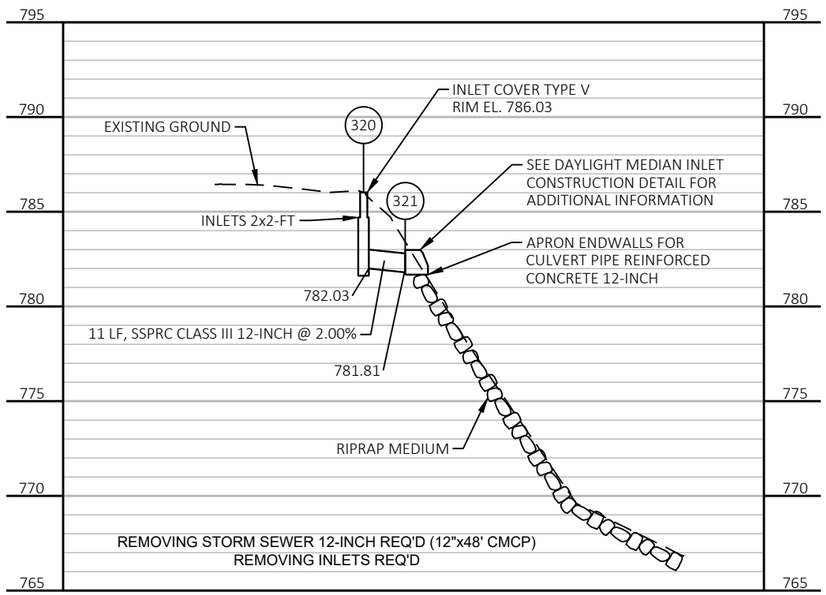


STA. 1484'NB'+06

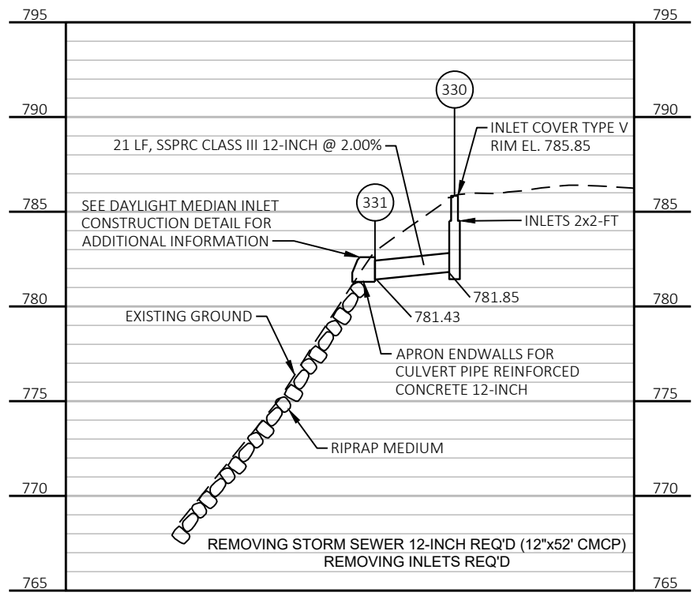


STA. 1493'NB'+36

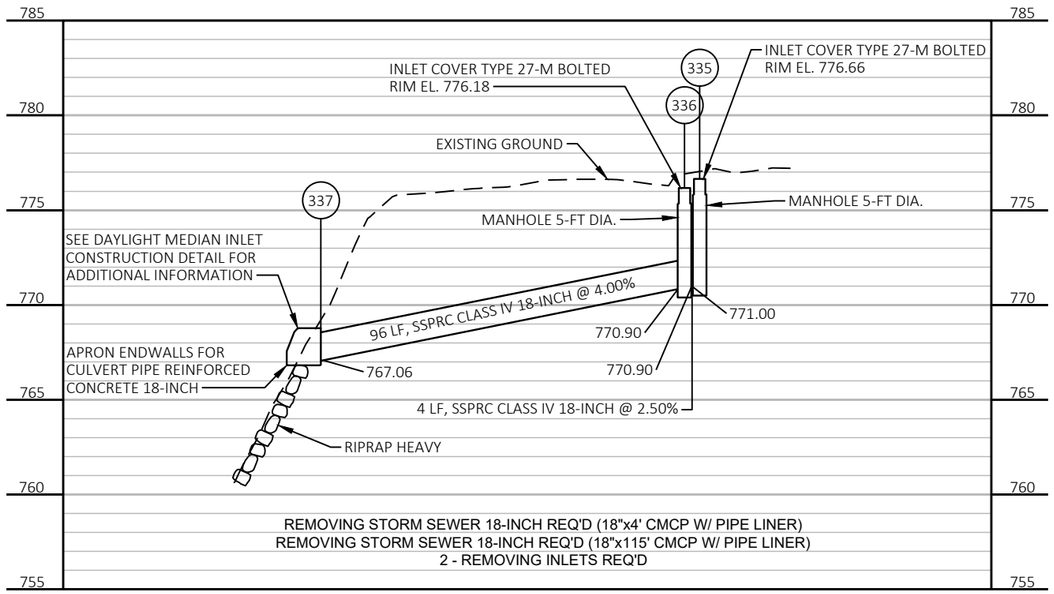
2



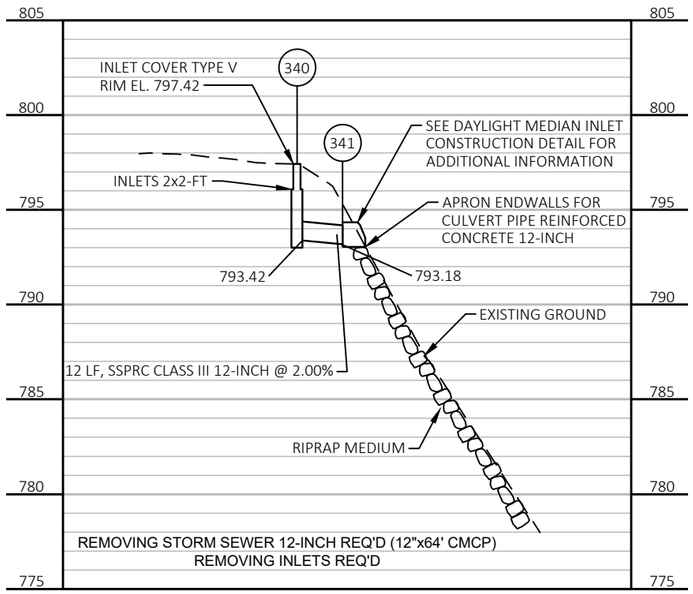
STA. 1496'NB'+13



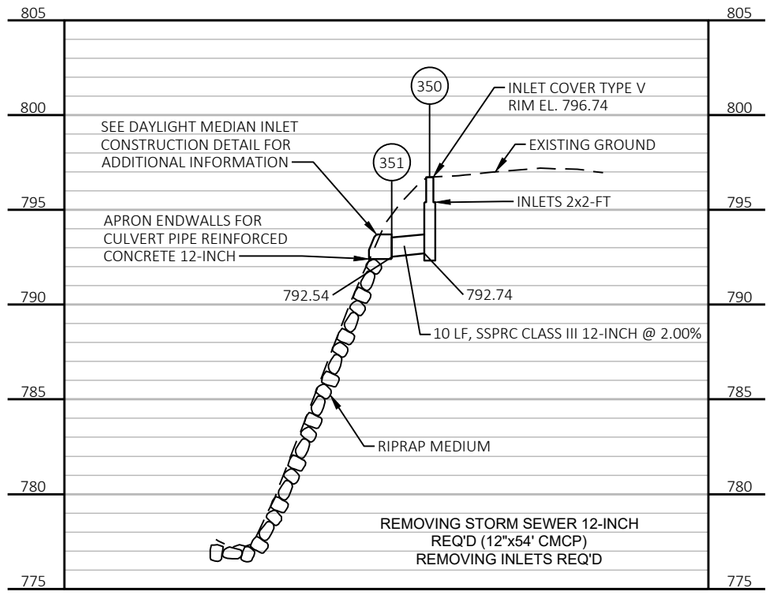
STA. 1496'SB'+04



STA. 1524'SB'+24



STA. 1534'NB'+15



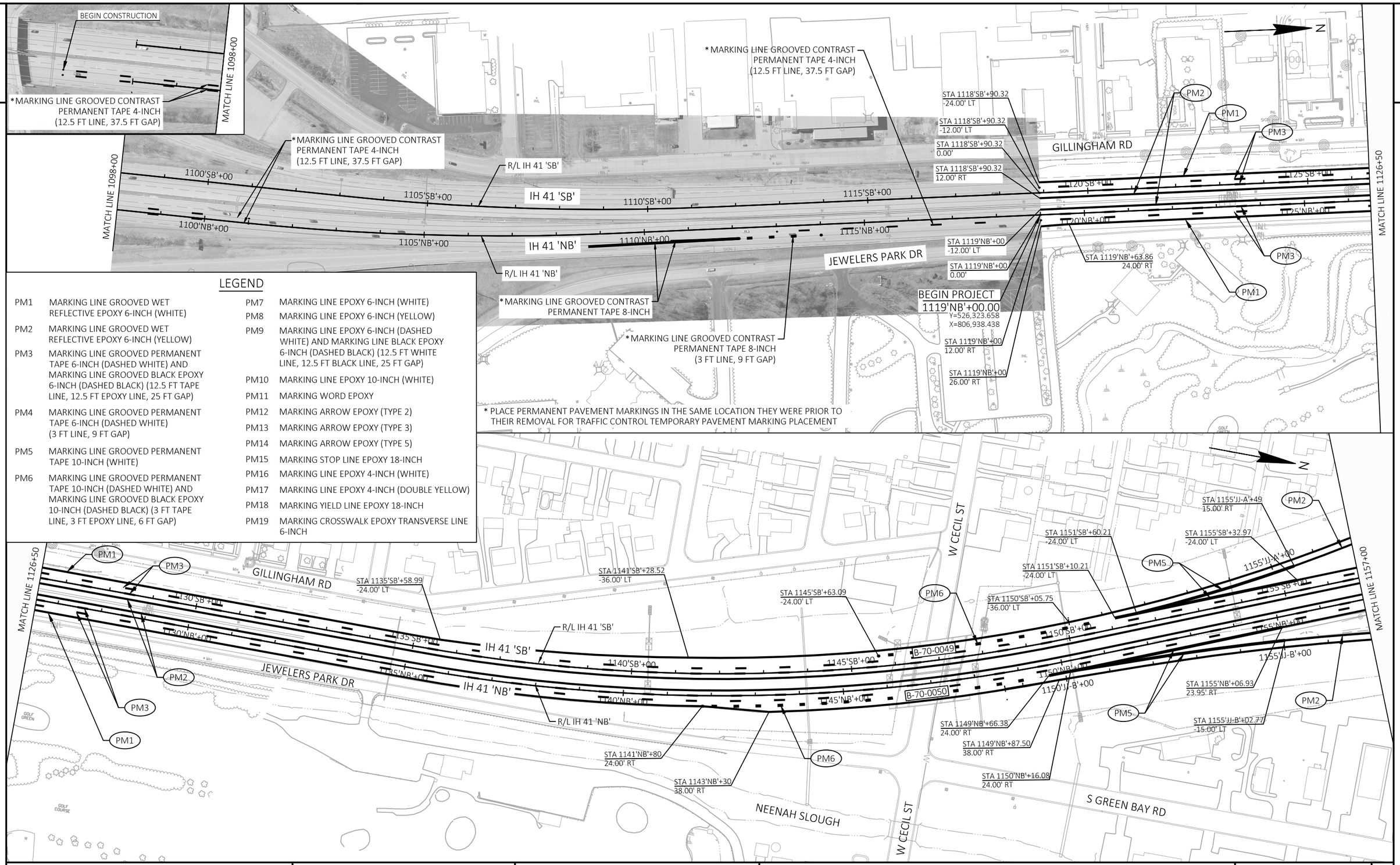
STA. 1534'SB'+03

2

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	INLET COVER	MH TYPE	MH COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV.	DISHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
100	1146'SB'+09	43' LT	33.0	101	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	760.50	759.90	33	1.82	CONCRETE COLLAR REQ'D
101	1145'SB'+81	60' LT	--	--	--	--	--	--	--	--	--	12	759.90	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
110	1153'SB'+83	18' RT	124.0	111	2X3-FT MODIFIED	27-M BOLTED	--	--	769.53	768.36	3.56	12	764.80	761.70	124	2.50	
111	1153'SB'+83	106' LT	--	--	--	--	--	--	--	--	--	12	761.70	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
120	1160'NB'+00	19' LT	78	121	--	--	5-FT DIA.	27-M BOLTED	775.56	774.39	3.39	15	771.00	769.44	78	2.00	
121	1160'NB'+00	59' RT	--	--	--	--	--	--	--	--	--	15	769.44	--	--	--	APRON ENDWALL FOR CPRC 15-INCH REQ'D
130	1165'NB'+84	35' RT	72	131	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	776.00	775.00	72	1.38	CONCRETE COLLAR REQ'D
131	1165'NB'+74	36' LT	96	132	2X3-FT MODIFIED	27-M BOLTED	--	--	780.91	779.74	4.74	12	775.00	773.68	96	1.38	
132	1165'NB'+73	132' LT	--	--	--	--	--	--	--	--	--	12	773.68	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
140	1201'NB'+50	28' LT	8	141	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	767.20	767.00	8	2.50	CONCRETE COLLAR REQ'D
141	1201'NB'+50	20' LT	83	142	2X3-FT MODIFIED	27-M BOLTED	--	--	771.74	770.57	3.57	12	767.00	764.93	83	--	CURED IN PLACE PIPE LINERS, 12-INCH REQ'D
142	1201'NB'+50	63' RT	8	143	--	--	--	--	--	--	--	12	764.93	764.73	8	2.50	FIELD VERIFY PIPE LENGTH & SLOPE; CONCRETE COLLAR REQ'D
143	1201'NB'+50	71' RT	--	--	--	--	--	--	--	--	--	12	764.73	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
150	1211'NB'+78	28' LT	8	151	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	777.20	777.00	8	2.50	CONCRETE COLLAR REQ'D
151	1211'NB'+78	36' LT	--	--	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	--	--	--	--	--	CONCRETE COLLAR REQ'D
155	1215'NB'+29	35' RT	10	156	2X2-FT	V	--	--	782.67	781.42	2.77	12	778.65	778.45	10	2.00	
156	1215'NB'+29	45' RT	--	--	--	--	--	--	--	--	--	12	778.45	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
160	1215'SB'+54	60' LT	29	161	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	777.00	776.42	29	2.00	CONCRETE COLLAR REQ'D
161	1215'SB'+53	89' LT	--	--	--	--	--	--	--	--	--	12	776.42	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
170	1217'NB'+43	28' LT	8	171	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	779.70	779.50	8	2.50	CONCRETE COLLAR REQ'D
171	1217'NB'+43	20' LT	64	172	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	779.50	777.90	64	--	CURED IN PLACE PIPE LINERS, 12-INCH REQ'D; CONCRETE COLLAR REQ'D
172	1217'NB'+48	44'RT	8	173	--	--	--	--	--	--	--	12	777.90	777.69	8	2.50	FIELD VERIFY PIPE LENGTH & SLOPE; CONCRETE COLLAR REQ'D
173	1217'NB'+49	52'RT	--	--	--	--	--	--	--	--	--	12	777.69	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
180	1226'NB'+63	28' LT	8	181	2X3-FT MODIFIED	27-M BOLTED	--	--	783.46	782.29	3.09	12	779.20	779.00	8	2.50	
181	1226'NB'+63	20' LT	56	182	2X3-FT MODIFIED	27-M BOLTED	--	--	783.44	782.27	3.27	12	779.00	777.39	56	--	CURED IN PLACE PIPE LINERS, 12-INCH REQ'D
182	1226'NB'+64	44' RT	8	183	--	--	--	--	--	--	--	12	777.39	777.18	8	2.50	FIELD VERIFY PIPE LENGTH & SLOPE; CONCRETE COLLAR REQ'D
183	1226'NB'+64	52' RT	--	--	--	--	--	--	--	--	--	12	777.18	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
190	1228'SB'+58	45' LT	54	191	2X2-FT	V	--	--	782.50	781.25	3.25	12	778.00	776.69	54	2.45	
191	1228'SB'+58	97' LT	--	--	--	--	--	--	--	--	--	12	776.69	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
200	1251'NB'+33	28' LT	96	201	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	781.00	771.20	96	10.17	CONCRETE COLLAR REQ'D
201	1251'NB'+36	68' RT	8	202	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	15	770.50	770.30	8	2.43	CONCRETE COLLAR REQ'D (2)
202	1251'NB'+35	76' RT	65	203	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	15	770.30	765.00	65	8.1	CONCRETE COLLAR REQ'D (2)
203	1251'NB'+29	141' RT	--	--	--	--	--	--	--	--	--	15	765.00	--	--	--	APRON ENDWALL FOR CPRC 15-INCH REQ'D
205	1253'NB'+95	34' RT	10	206	2X2-FT	V	--	--	790.10	788.85	2.75	12	786.10	785.90	10	2.00	
206	1253'NB'+95	44' RT	--	--	--	--	--	--	--	--	--	12	785.90	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
210	1256'NB'+81	21' LT	66	211	2X3-FT MODIFIED	27-M BOLTED	--	--	794.00	792.83	2.83	12	790.00	781.00	66	13.64	
211	1256'NB'+74	44' RT	--	--	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	--	--	--	--	--	CONCRETE COLLAR REQ'D
220	1260'NB'+28	28' LT	8	221	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	794.00	793.70	8	3.75	CONCRETE COLLAR REQ'D
221	1260'NB'+27	20' LT	73	222	2X3-FT MODIFIED	27-M BOLTED	--	--	798.38	797.21	3.51	12	793.70	790.96	73	3.75	
222	1260'NB'+24	53' RT	--	--	--	--	--	--	--	--	--	12	790.96	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
223	1260'NB'+23	65' RT	--	--	EX. TO REMAIN	C	--	--	789.62	--	--	--	--	--	--	--	REPLACE EXISTING MANHOLE COVER WITH INLET COVER TYPE C
230	1270'NB'+36	27' LT	135	231	ABANDON	--	--	--	--	--	--	12	802.00	774.00	135	20.72	ABANDONING INLETS REQ'D
231	1270'NB'+30	108' RT	--	--	ABANDON	--	--	--	--	--	--	--	--	--	--	--	ABANDONING CULVERT PIPE REQ'D
240	1275'NB'+47	27' LT	81	241	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	799.00	797.40	81	--	CURED IN PLACE PIPE LINERS, 12-INCH REQ'D
241	1275'NB'+67	50' RT	10	242	--	--	--	--	--	--	--	12	797.40	797.20	10	2.03	CONCRETE COLLAR REQ'D
242	1275'NB'+69	60' RT	--	--	4-FT DIA.	BW	--	--	802.33	801.08	--	12	797.20	--	--	--	CONNECT TO EXISTSING SSPRC; FIELD VERIFY STRUCTURE ELEVAITONS

2

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	INLET COVER	MH TYPE	MH COVER	RIM/GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV.	DISHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
250	1280'NB'+09	19' LT	76	251	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	790.80	788.48	76	--	CURED IN PLACE PIPE LINERS, 12-INCH REQ'D
251	1280'NB'+09	56' RT	5	252	--	--	--	--	--	--	--	12	788.48	788.33	5	3.04	CONCRETE COLLAR REQ'D
252	1280'NB'+09	61' RT	--	--	2X2.5-FT	BW	--	--	794.58	793.33	5.50	12	787.83	--	--	--	CONNECT TO EXISTSING SSPRC; FIELD VERIFY STRUCTURE ELEVATIONS
260	1426'SB'+07	21' RT	--	261	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	18	--	--	--	--	EXISTING TO REMAIN
261	1426'SB'+08	29' LT	34	262	--	--	EX. TO REMAIN	EX. TO REMAIN	--	--	--	18	760.99	760.32	34	2.00	CONCRETE COLLAR REQ'D
262	1426'SB'+09	63' LT	--	--	--	--	--	--	--	--	--	18	760.32	--	--	--	APRON ENDWALL FOR CPRC 18-INCH REQ'D
265	1427'NB'+22	34' RT	27	265	2X2-FT	V	--	--	766.69	765.44	2.75	12	762.69	762.15	27	2.00	
266	1427'NB'+22	61' RT	--	--	--	--	--	--	--	--	--	12	762.15	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
270	1430'SB'+08	22' RT	80	271	--	--	5-FT DIA.	27-M BOLTED	769.61	768.44	3.44	18	765.00	763.40	80	2.00	
271	1430'SB'+08	58' LT	--	--	--	--	--	--	--	--	--	18	763.40	--	--	--	APRON ENDWALL FOR CPRC 18-INCH REQ'D
280	1481'NB'+67	42' RT	14	281	2X2-FT	V	--	--	782.92	781.67	2.75	12	778.92	778.64	14	2.00	
281	1481'NB'+66	56' RT	--	--	--	--	--	--	--	--	--	12	778.64	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
290	1481'SB'+98	47' LT	25	291	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	12	778.00	777.51	25	2.00	CONCRETE COLLAR REQ'D
291	1481'SB'+94	71' LT	--	--	--	--	--	--	--	--	--	12	777.51	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
300	1484'NB'+06	31' LT	8	301	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	18	781.60	781.50	8	1.25	CONCRETE COLLAR REQ'D
301	1484'NB'+06	23' LT	90	302	--	--	5-FT DIA.	27-M BOLTED	786.75	785.58	4.08	18	781.50	779.25	90	2.50	
302	1484'NB'+06	64' RT	--	--	--	--	--	--	--	--	--	18	779.25	--	--	--	APRON ENDWALL FOR CPRC 18-INCH REQ'D
310	1493'NB'+36	30' LT	4	311	EX. TO REMAIN	EX. TO REMAIN	--	--	--	--	--	18	784.00	783.90	4	1.26	CONCRETE COLLAR REQ'D
311	1493'NB'+36	22' LT	86	312	--	--	5-FT DIA.	27-M BOLTED	789.17	788.00	4.10	18	783.90	781.32	86	3.00	
312	1493'NB'+36	60' RT	--	--	--	--	--	--	--	--	--	18	781.32	--	--	--	APRON ENDWALL FOR CPRC 18-INCH REQ'D
320	1496'NB'+13	33' RT	11	321	2X2-FT	V	--	--	786.03	784.78	2.75	12	782.03	781.81	11	2.00	
321	1496'NB'+13	44' RT	--	--	--	--	--	--	--	--	--	12	781.81	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
330	1496'SB'+04	33' LT	21	331	2X2-FT	V	--	--	785.85	784.60	2.75	12	781.85	781.43	21	2.00	
331	1495'SB'+68	54' LT	--	--	--	--	--	--	--	--	--	12	781.43	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
335	1524'SB'+24	28' RT	4	336	--	--	5-FT DIA.	27-M BOLTED	776.66	775.49	4.49	18	771.00	770.90	4	2.50	
336	1524'SB'+24	24' RT	96	337	--	--	5-FT DIA.	27-M BOLTED	776.18	775.01	4.11	18	770.90	767.06	96	4.00	
337	1524'SB'+24	72' LT	--	--	--	--	--	--	--	--	--	18	767.06	--	--	--	APRON ENDWALL FOR CPRC 18-INCH REQ'D
340	1534'NB'+15	33' RT	12	341	2X2-FT	V	--	--	797.42	796.17	2.75	12	793.42	793.18	12	2.00	
341	1534'NB'+15	45' RT	--	--	--	--	--	--	--	--	--	12	793.18	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D
350	1534'SB'+03	32' LT	10	351	2X2-FT	V	--	--	796.74	795.49	2.75	12	792.74	792.54	10	2.00	
351	1534'SB'+03	42' LT	--	--	--	--	--	--	--	--	--	12	792.54	--	--	--	APRON ENDWALL FOR CPRC 12-INCH REQ'D

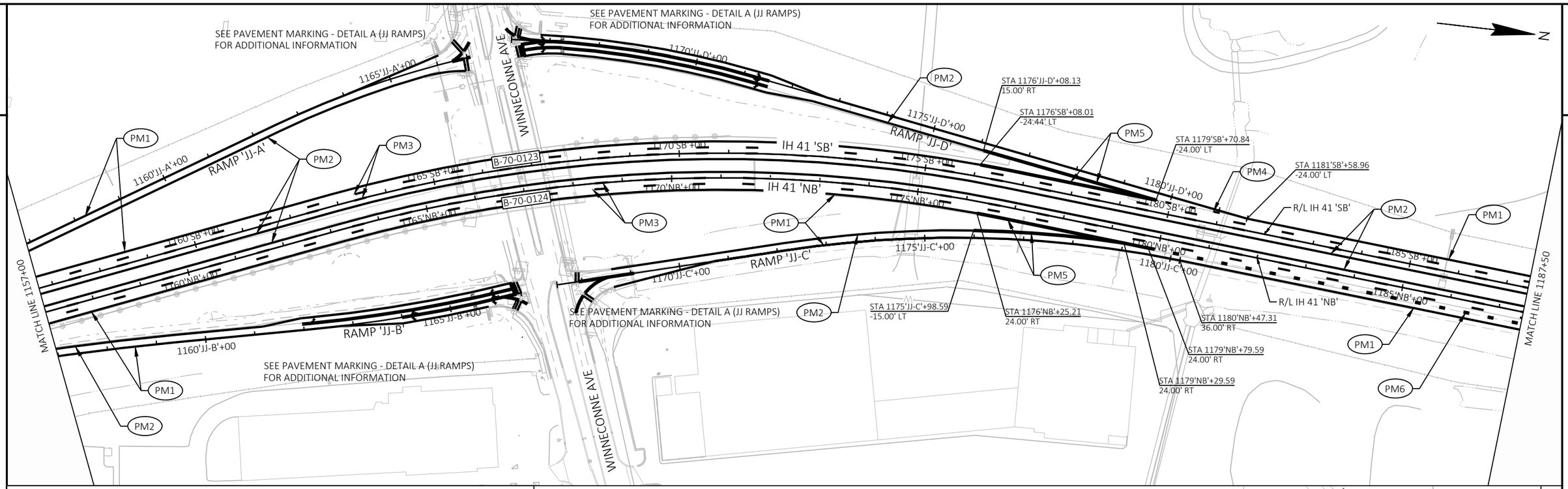


LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

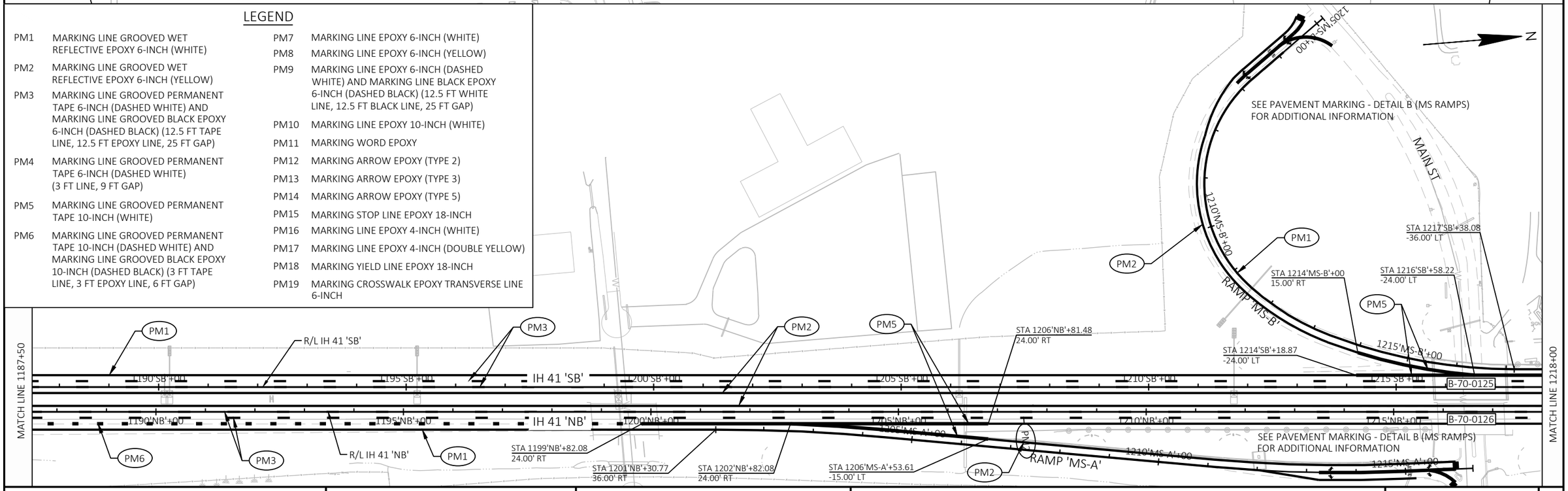
* PLACE PERMANENT PAVEMENT MARKINGS IN THE SAME LOCATION THEY WERE PRIOR TO THEIR REMOVAL FOR TRAFFIC CONTROL TEMPORARY PAVEMENT MARKING PLACEMENT

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 117 E



LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 118	E

2

2

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* USE MARKING LINE EPOXY ON BRIDGES WITH AN OVERLAY

MATCH LINE 1218+00

MATCH LINE 1248+50

MATCH LINE 1248+50

MATCH LINE 1279+00

CTH O

CTH II

RIDGEWAY RD

N GREEN BAY RD

AMERICAN DR

WCL RR

CEMETERY

IH 41 'SB'

IH 41 'NB'

R/L IH 41 'SB'

R/L IH 41 'NB'

RAMP 'II-A'

RAMP 'II-B'

RAMP 'II-C'

RAMP 'II-D'

B-70-0127

B-70-0128

B-70-0129

B-70-0130

B-70-0131

B-70-0132

SEE PAVEMENT MARKING - DETAIL C (II RAMPS) FOR ADDITIONAL INFORMATION

STA 1219'SB'+58.22 -24.00' LT

STA 1220'SB'+00

STA 1220'NB'+00

STA 1225'SB'+00

STA 1225'NB'+00

STA 1230'SB'+00

STA 1230'NB'+00

STA 1233'SB'+60.65 -36.00' LT

STA 1235'SB'+00

STA 1235'NB'+00

STA 1236'SB'+75.65 -48.00' LT

STA 1238'SB'+94.76 -36.00' LT

STA 1240'SB'+00

STA 1240'NB'+00

STA 1241'SB'+13.88 -48.00' LT

STA 1241'NB'+64.67 24.00' RT

STA 1242'SB'+13.93 -36.00' LT

STA 1242'SB'+63.93 -36.00' LT

STA 1243'SB'+81.63 -24.00' LT

STA 1243'NB'+52.74 24.00' RT

STA 1245'II-A'+00

STA 1245'SB'+00

STA 1245'NB'+00

STA 1247'II-A'+55.49 11.65' RT

STA 1247'SB'+73.89 -36.00' LT

STA 1248'NB'+30.87 24.00' RT

STA 1248'II-B'+00.85 -16.50' LT

STA 1250'II-A'+00

STA 1250'SB'+00

STA 1250'NB'+00

STA 1250'II-B'+00

STA 1255'II-D'+00

STA 1255'SB'+00

STA 1255'NB'+00

STA 1255'II-B'+00

STA 1260'II-D'+00

STA 1260'SB'+00

STA 1260'NB'+00

STA 1260'II-C'+00

STA 1262'II-D'+35.10 3.00' RT

STA 1262'II-D'+35.10 15.00' RT

STA 1262'SB'+62.25 -36.00' LT

STA 1263'NB'+66.51 24.00' RT

STA 1263'II-C'+44.15 -9.00' LT

STA 1265'SB'+44.32 -36.00' LT

STA 1265'II-D'+00

STA 1265'SB'+00

STA 1265'NB'+00

STA 1265'II-C'+00

STA 1266'SB'+95.26 -48.00' LT

STA 1266'SB'+94.92 -36.00' LT

STA 1268'NB'+40.77 24.00' RT

STA 1268'NB'+41.04 36.00' RT

STA 1268'NB'+41.32 48.00' RT

STA 1270'SB'+00

STA 1270'NB'+00

STA 1272'SB'+22 -36.00' LT

STA 1275'SB'+00

STA 1275'NB'+00

STA 1276'NB'+67.88 36.00' RT

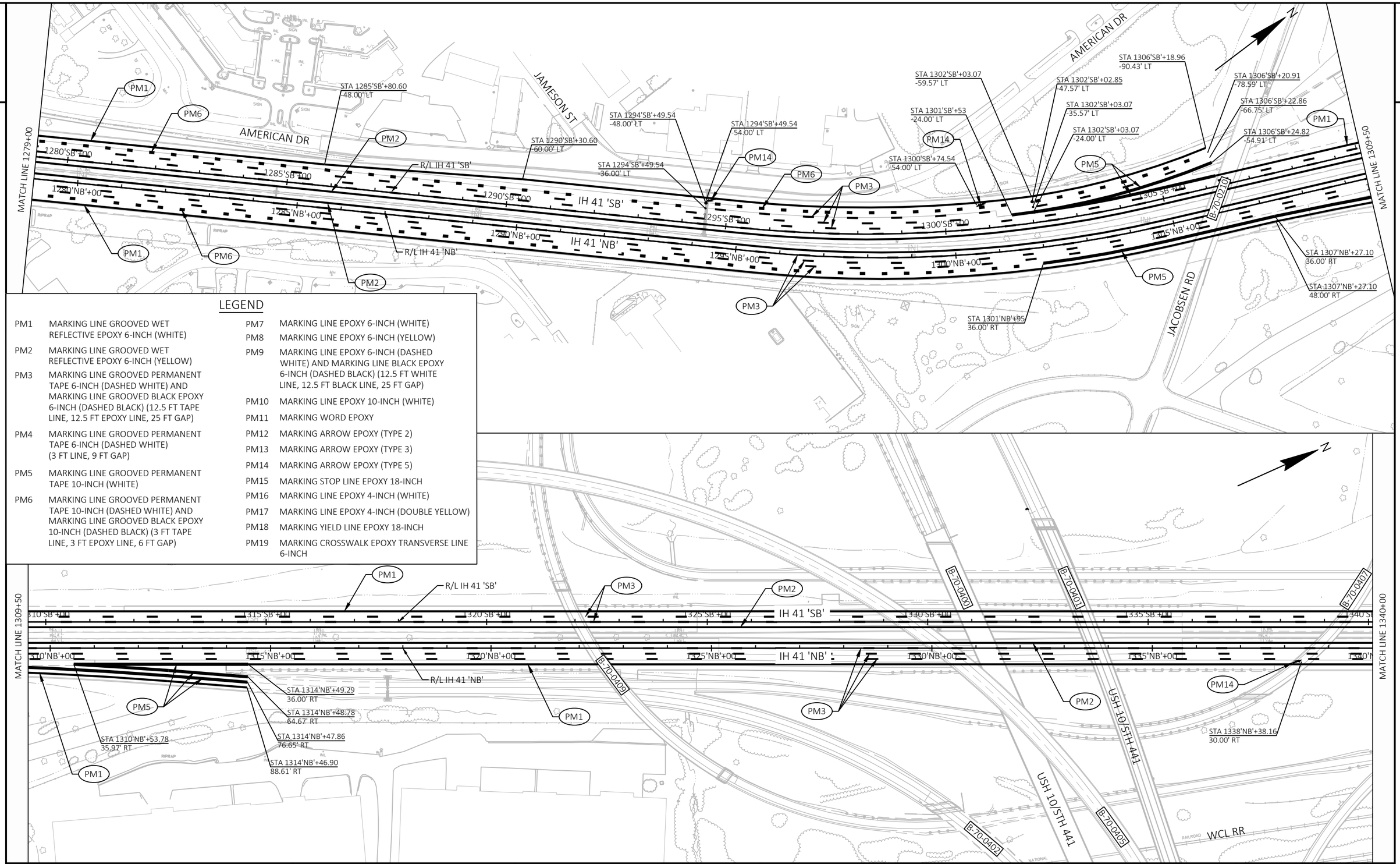
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 119 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 7/17/2023 1:41 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2



LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

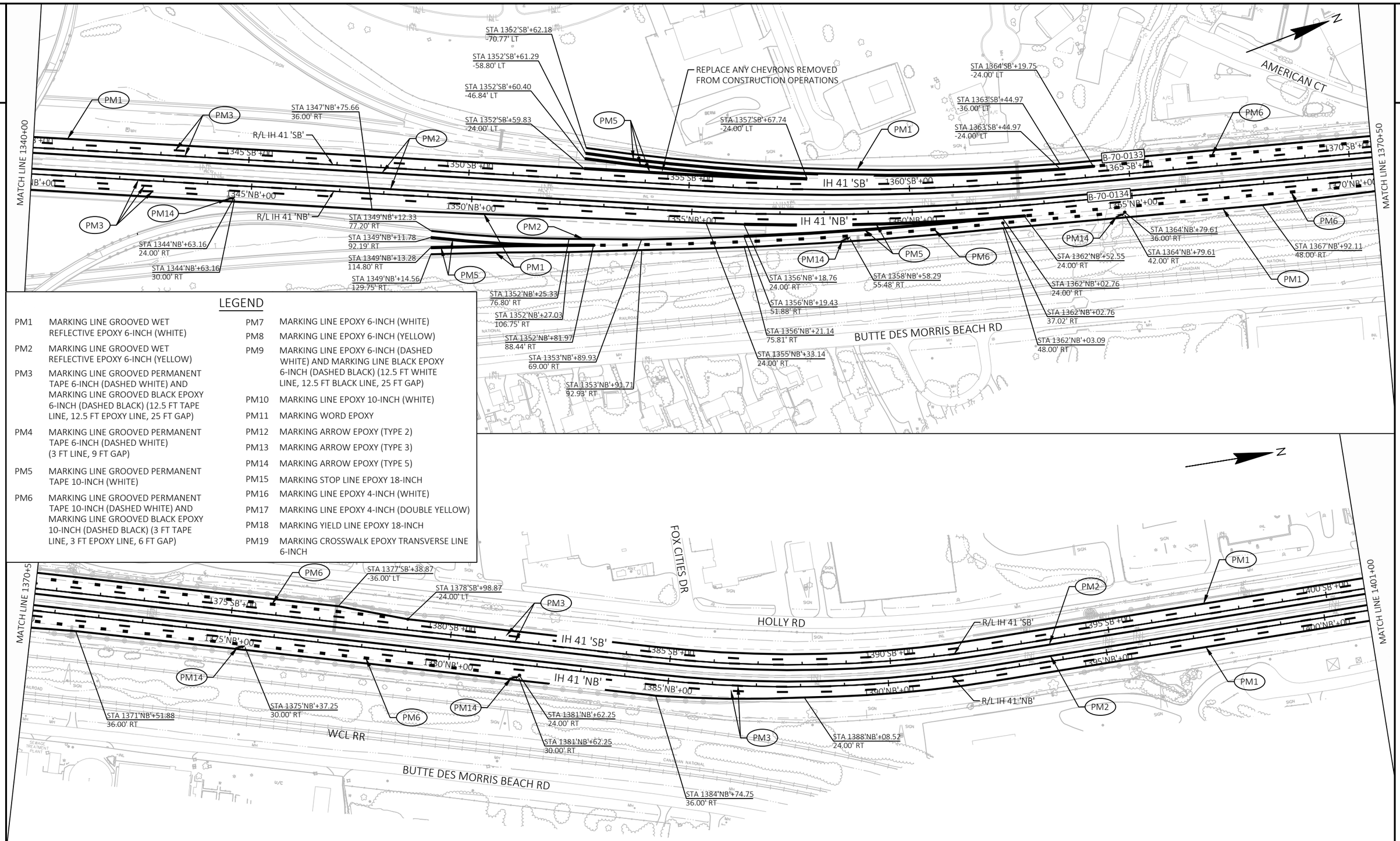
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 120	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 7/17/2023 1:42 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

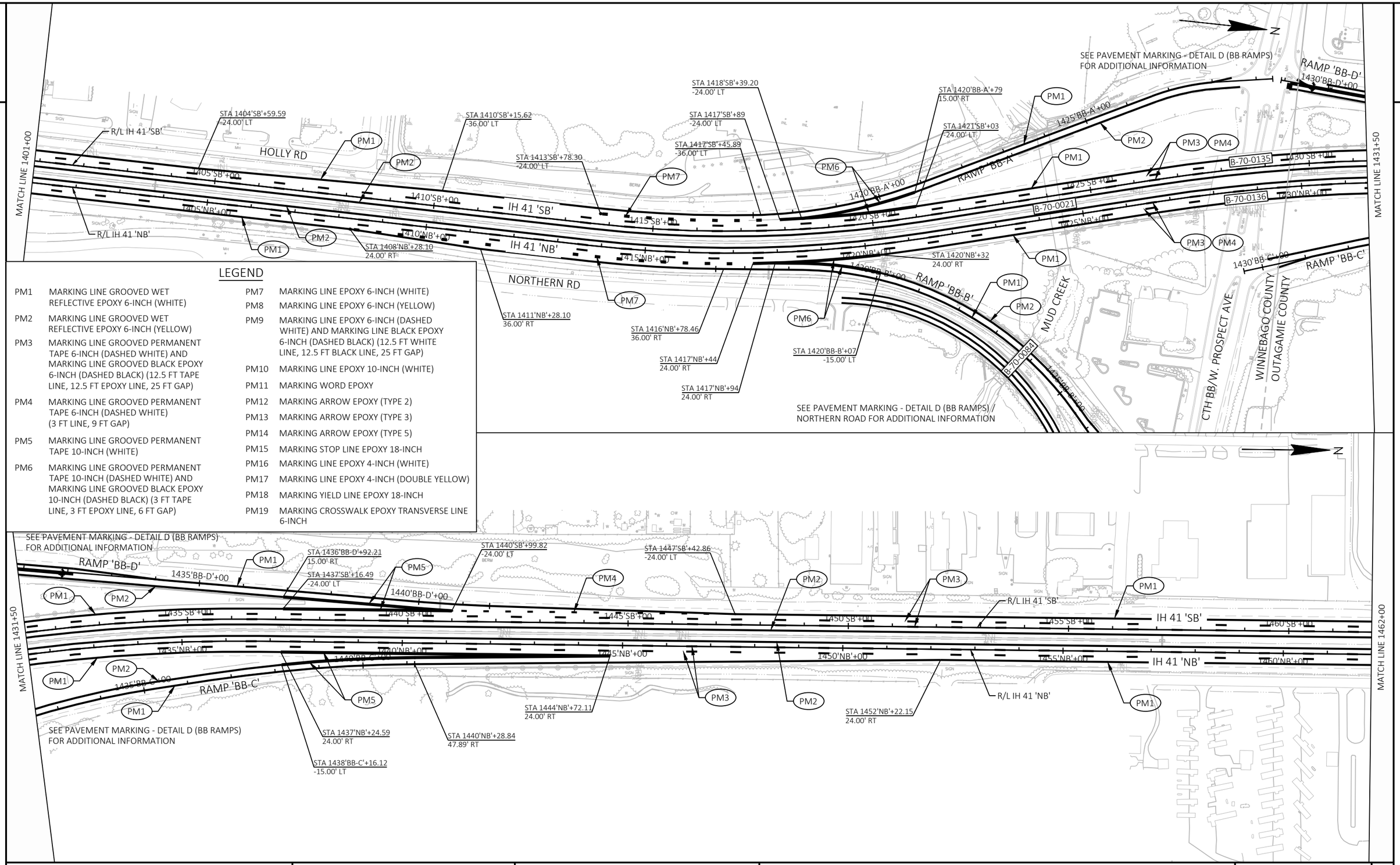


LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 121	E

2



LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	PAVEMENT MARKING	SHEET 122 E

2

MATCH LINE 1462+00

MATCH LINE 1492+50

2

N

SEE PAVEMENT MARKING - DETAIL E (CA RAMPS) FOR ADDITIONAL INFORMATION

STA 1484'CA-A'+60
17.00' RT

STA 1484'SB'+79.06
-24.00' LT

STA 1482'SB'+46.03
-47.22' LT

STA 1482'SB'+46.03
-32.22' LT

STA 1471'SB'+02.07
-24.00' LT

STA 1478'SB'+41.19
-24.00' LT

RAMP 'CA-A'

1490'CA-A'+00

1485'CA-A'+00

PM1 PM2 PM3 PM5

R/L IH 41 'SB'

1465'SB'+00 1470'SB'+00 1475'SB'+00 IH 41 'SB' 1480'SB'+00 B-44-0163 1485'SB'+00 1490'SB'+00

1465'NB'+00 1470'NB'+00 1475'NB'+00 IH 41 'NB' 1480'NB'+00 B-44-0164 1485'NB'+00 1490'NB'+00

WESTLAND DR

R/L IH 41 'NB'

PM1 PM2 PM3 PM4 PM5

STA 1476'NB'+75.37
24.00' RT

STA 1482'NB'+47.35
33.68' RT

STA 1483'NB'+46.12
24.00' RT

STA 1485'NB'+53.61
24.00' RT

STA 20'CA-B'+53
-15.00' LT

STA 20'CA-B'+02.97
0.00'

RAMP 'CA-B'

1490'CA-B'+00

SEE PAVEMENT MARKING - DETAIL E (CA RAMPS) FOR ADDITIONAL INFORMATION

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

N

SEE PAVEMENT MARKING - DETAIL E (CA RAMPS) FOR ADDITIONAL INFORMATION

STA 28'CA-D'+28
3.00' RT

STA 28'CA-D'+28
15.00' RT

STA 1502'SB'+51.22
-24.00' LT

RAMP 'CA-A'

RAMP 'CA-D'

25'CA-D'+00

30'CA-D'+00

35'CA-D'+00

CTH CA

PM1 PM2 PM3 PM5 PM6

STA 1504'SB'+76.17
-24.00' LT

STA 1510'SB'+05.49
-36.00' LT

STA 1510'SB'+05.38
-24.00' LT

STA 1511'SB'+55.38
-24.00' LT

R/L IH 41 'SB'

B-44-0155

1495'SB'+00 1500'SB'+00 1505'SB'+00 IH 41 'SB' 1510'SB'+00 1515'SB'+00 1520'SB'+00

B-44-0022

1495'NB'+00 1500'NB'+00 1505'NB'+00 IH 41 'NB' 1510'NB'+00 1515'NB'+00 1520'NB'+00

B-44-0156

1505'CA-C'+00

R/L IH 41 'NB'

MUD CREEK

B-44-0062

RAMP 'CA-C'

1500'CA-C'+00

1495'CA-C'+00

STH 125

STA 1502'NB'+58.32
24.00' RT

STA 1502'CA-C'+33
-13.00' LT

STA 1505'NB'+78.19
43.48' RT

STA 1510'NB'+84.40
24.00' RT

STA 1510'NB'+84.63
36.00' RT

STA 1511'NB'+34.41
24.00' RT

STA 1515'NB'+87.61
24.23' RT

STA 1517'NB'+37.27
24.00' RT

STA 1517'NB'+37.09
36.00' RT

STA 1521'SB'+69.94
-24.00' LT

STA 1521'SB'+19.94
-24.00' LT

STA 1520'SB'+11.90
36.00' LT

RAMP 'WI-B'

STA 1522'NB'+29.59
24.00' RT

MATCH LINE 1492+50

MATCH LINE 1523+00

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 123 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 7/17/2023 1:45 PM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE 1523+00

MATCH LINE 1553+50

2

N

STH 96

B-44-0157

B-44-0165

B-44-0158

IH 41 'SB'

IH 41 'NB'

RAMP 'WI-A'

5'WI-A'+00

RAMP 'WI-D'

5'WI-D'+00

10'WI-D'+00

RAMP 'WI-B'

30'WI-B'+00

35'WI-B'+00

RAMP 'WI-C'

1540'WI-C'+00

1545'WI-C'+00

END PROJECT
1536'NB'+89.00

R/L IH 41 'SB'

R/L IH 41 'NB'

PM1

PM2

PM3

PM4

PM5

STA 3'WI-A'+19
17.00' RT

STA 8'WI-A'+12.95
2.00' RT

STA 8'WI-A'+12.95
17.00' RT

STA 1528'SB'+85.84
-24.00' LT

STA 7'WI-D'+03
0.00'

STA 7'WI-D'+03
15.00' RT

STA 1542'SB'+90.16
-24.00' LT

STA 1545'SB'+84.62
-24.00' LT

STA 1546'SB'+67.96
-36.17' LT

STA 1552'SB'+71.92
-24.00' LT

STA 1552'SB'+71.92
-12.00' LT

STA 1552'SB'+22.54
-24.00' LT

STA 1552'SB'+71.92
0.00'

STA 1552'SB'+71.92
12.00' RT

STA 1526'NB'+30.78
24.00' RT

STA 28'WI-B'+41.61
-15.00' LT

STA 28'WI-B'+41.61
0.00'

STA 30'WI-B'+57
-15.00' LT

STA 30'WI-B'+57
0.00' LT

STA 30'WI-B'+57
12.00' RT

STA 1542'NB'+00
-12.00' LT

STA 1542'NB'+00
0.00' RT

STA 1542'NB'+00
12.00' RT

STA 1542'NB'+00
24.00' RT

1525'SB'+00
1530'SB'+00
1535'SB'+00
1540'SB'+00
1545'SB'+00
1550'SB'+00

1525'NB'+00
1530'NB'+00
1535'NB'+00
1540'NB'+00
1545'NB'+00
1550'NB'+00

STA 1564'SB'+71.96
-12.00' LT

STA 1564'SB'+71.96
0.00'

STA 1571'SB'+32
-12.00' LT

STA 1571'SB'+32
0.00'

END CONSTRUCTION
STA 1571'SB'+32

B-44-0162

B-44-0161

1555'SB'+00
1560'SB'+00
1565'SB'+00
1570'SB'+00
1575'SB'+00
1580'SB'+00

1555'NB'+00
1560'NB'+00
1565'NB'+00
1570'NB'+00
1575'NB'+00
1580'NB'+00

* MARKING LINE GROOVED CONTRAST
PERMANENT TAPE 4-INCH
(12.5 FT LINE, 37.5 FT GAP)

* PLACE PERMANENT PAVEMENT MARKINGS IN THE SAME LOCATION THEY WERE PRIOR TO THEIR REMOVAL FOR TRAFFIC CONTROL TEMPORARY PAVEMENT MARKING PLACEMENT

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING	SHEET 124	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 7/17/2023 1:47 PM
PLOT BY : SCHMIDT, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2

N

WINNECONNE AVE

STA 1166'JJ-D'+80.52
0.00'

STA 1166'JJ-D'+80.52
-12.00' LT

STA 1166'JJ-D'+80.52
2.95' RT

STA 1166'JJ-A'+06.32
-18.74' LT

STA 1166'JJ-A'+06.32
17.39' RT

STA 1166'JJ-D'+80.52
14.98' RT

STA 1166'JJ-D'+80.52
27.17' RT

STA 1171'JJ-D'+52.77
0.00'

STA 1171'JJ-D'+52.77
-12.00' LT

STA 1171'JJ-D'+52.77
12.00' RT

STA 1171'JJ-D'+52.77
24.00' RT

STA 1172'JJ-D'+72.77
0.00' LT

STA 1172'JJ-D'+47.64
15.00' RT

1170'JJ-D'+00

RAMP 'JJ-D'

1175'JJ-

1165'JJ-A'+00

RAMP 'JJ-A'

1160'JJ-A'+00

IH 41 'SB'

IH 41 'NB'

1165'SB'+00

1165'NB'+00

1160'SB'+00

1160'NB'+00

B-70-0123

B-70-0124

1170'SB'+00

1170'NB'+00

1175'SB'+

1175'NB'+0

1175'

STA 1165'JJ-B'+76.44
-24.00' LT

STA 1165'JJ-B'+76.44
-12.00' LT

STA 1161'JJ-B'+97
-24.00' LT

STA 1161'JJ-B'+17
-15.00' LT

STA 1161'JJ-B'+97
-12.00' LT

STA 1162'JJ-B'+80
0.00'

STA 1164'JJ-B'+00
0.00'

STA 1164'JJ-B'+00
12.00' RT

STA 1165'JJ-B'+76.44
0.00'

STA 1165'JJ-B'+76.44
12.00' RT

1165'JJ-B'+00

1160'JJ-B'+00

RAMP 'JJ-B'

STA 1168'JJ-C'+61.94
-15.00' LT

STA 1168'JJ-C'+61.94
21.28' RT

STA 1170'JJ-C'+69.36
0.00' RT

1170'JJ-C'+00

RAMP 'JJ-C'

WINNECONNE AVE

PM1 PM2 PM5 PM11 PM12 PM13 PM18 PM19

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)	PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)	PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)	PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)	PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)	PM11	MARKING WORD EPOXY
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)	PM12	MARKING ARROW EPOXY (TYPE 2)
		PM13	MARKING ARROW EPOXY (TYPE 3)
		PM14	MARKING ARROW EPOXY (TYPE 5)
		PM15	MARKING STOP LINE EPOXY 18-INCH
		PM16	MARKING LINE EPOXY 4-INCH (WHITE)
		PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
		PM18	MARKING YIELD LINE EPOXY 18-INCH
		PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* SEE SDD 15C08 "PAVEMENT MARKING (TURN LANES)" FOR ADDITIONAL INFORMATION ON LAYOUT AND LOCATION.
** PLACE PERMANENT PAVEMENT MARKINGS IN LOCATION OF EXISTING PAVEMENT MARKINGS.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING - DETAIL A (JJ RAMPS)	SHEET 125	E

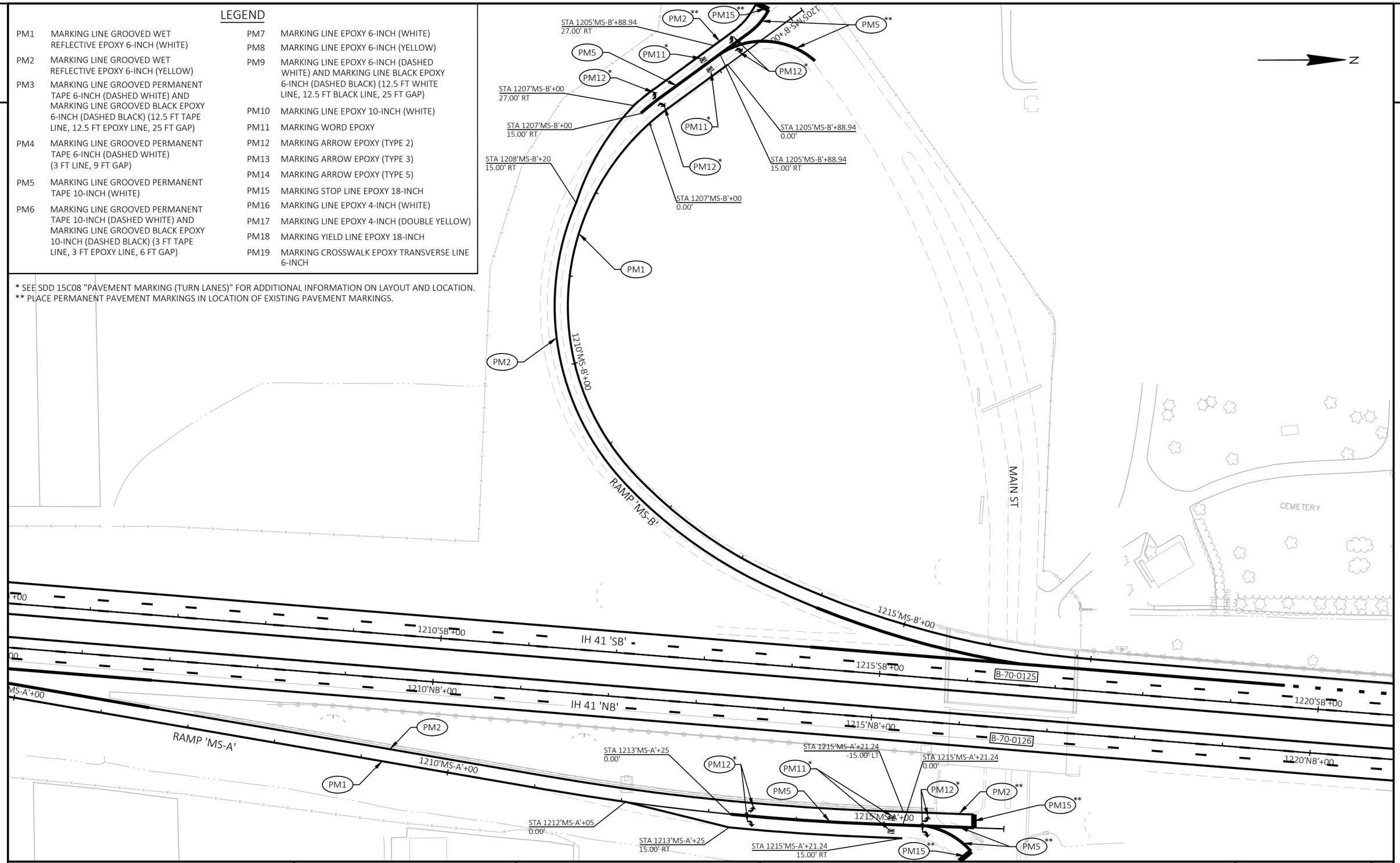
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - 024509-pm
PLOT DATE : 5/30/2023 3:04 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* SEE SDD 15C08 "PAVEMENT MARKING (TURN LANES)" FOR ADDITIONAL INFORMATION ON LAYOUT AND LOCATION.
** PLACE PERMANENT PAVEMENT MARKINGS IN LOCATION OF EXISTING PAVEMENT MARKINGS.



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING - DETAIL B (MS RAMPS)	SHEET 126	E

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* SEE SDD 15C08 "PAVEMENT MARKING (TURN LANES)" FOR ADDITIONAL INFORMATION ON LAYOUT AND LOCATION.
** PLACE PERMANENT PAVEMENT MARKINGS IN LOCATION OF EXISTING PAVEMENT MARKINGS.

N

RAMP 'II-A'
1250'II-A'+00
STA 1248'II-A'+72.41
-0.48' LT
STA 1250'II-A'+37.33
2.80' RT
STA 1251'II-A'+04.30
4.30' RT
STA 1248'II-A'+72.33
14.51' RT
STA 1250'II-A'+36.81
17.79' RT
STA 1253'II-A'+55.14
-21.33' LT
STA 1253'II-A'+55.14
19.69' RT
1250'SB'+00
1250'NB'+00
IH 41 'SB'
IH 41 'NB'
1255'SB'+00
1255'NB'+00
B-70-0129
B-70-0130
RAMP 'II-B'
1250'II-B'+00
STA 1251'II-B'+30.01
-0.79' LT
STA 1252'II-B'+50
0.00'
STA 1252'II-B'+50
12.00' RT
STA 1254'II-B'+12.16
-15.00' LT
STA 1254'II-B'+12.16
0.00'
STA 1254'II-B'+12.16
12.00' RT
1255'II-B'+00
1255'II-D'+00
STA 1255'II-D'+48.42
3.00' RT
STA 1255'II-D'+53.42
-9.00' LT
STA 1255'II-D'+42.09
15.00' RT
STA 1259'II-D'+33.42
3.00' RT
1260'II-D'+00
RAMP 'II-D'
1260'SB'+00
1260'NB'+00
STA 1256'II-C'+91.89
-13.37' LT
STA 1256'II-C'+91.89
-1.37' LT
1260'II-C'+00
RAMP 'II-C'
STA 1257'II-C'+81.89
11.29' RT
STA 1256'II-C'+91.89
15.63' RT
CTH II
BERM
RIPRAP
MH
A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PAVEMENT MARKING - DETAIL C (II RAMPS)	SHEET 127 E

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* SEE SDD 15C08 "PAVEMENT MARKING (TURN LANES)" FOR ADDITIONAL INFORMATION ON LAYOUT AND LOCATION.
** PLACE PERMANENT PAVEMENT MARKINGS IN LOCATION OF EXISTING PAVEMENT MARKINGS.

STA 101'NR'+23.23
0.00'

STA 101'NR'+23.23
12.00' RT

STA 101'NR'+61.60
-12.00' LT

STA 107'NR'+66.06
12.00' RT

STA 107'NR'+66.06
0.00'

STA 107'NR'+66.06
-12.00' LT

STA 1425'BB-B'+56.98
0.00' LT

STA 1425'BB-B'+56.98
-15.00' LT

STA 1425'BB-B'+85.41
-15.00' LT

STA 1427'BB-B'+56.35
-31.71' LT

STA 1427'BB-B'+56.35
0.00'

STA 1427'BB-A'+97.19
0.00'

STA 1428'BB-A'+45.25
15.00' RT

STA 1428'BB-A'+45.25
-7.18' LT

STA 1429'BB-D'+95.29
2.90' RT

STA 1429'BB-D'+95.29
-9.10' LT

STA 1429'BB-D'+95.29
14.90' RT

STA 1430'BB-C'+33.32
8.10' RT

STA 1430'BB-C'+33.32
-15.00' LT

STA 1431'BB-C'+14.30
0.00'

STA 1432'BB-D'+13.10
-9.10' LT

STA 1432'BB-D'+13.10
2.90' RT

STA 1432'BB-D'+13.10
14.90' RT

STA 1434'BB-D'+13
0.00'

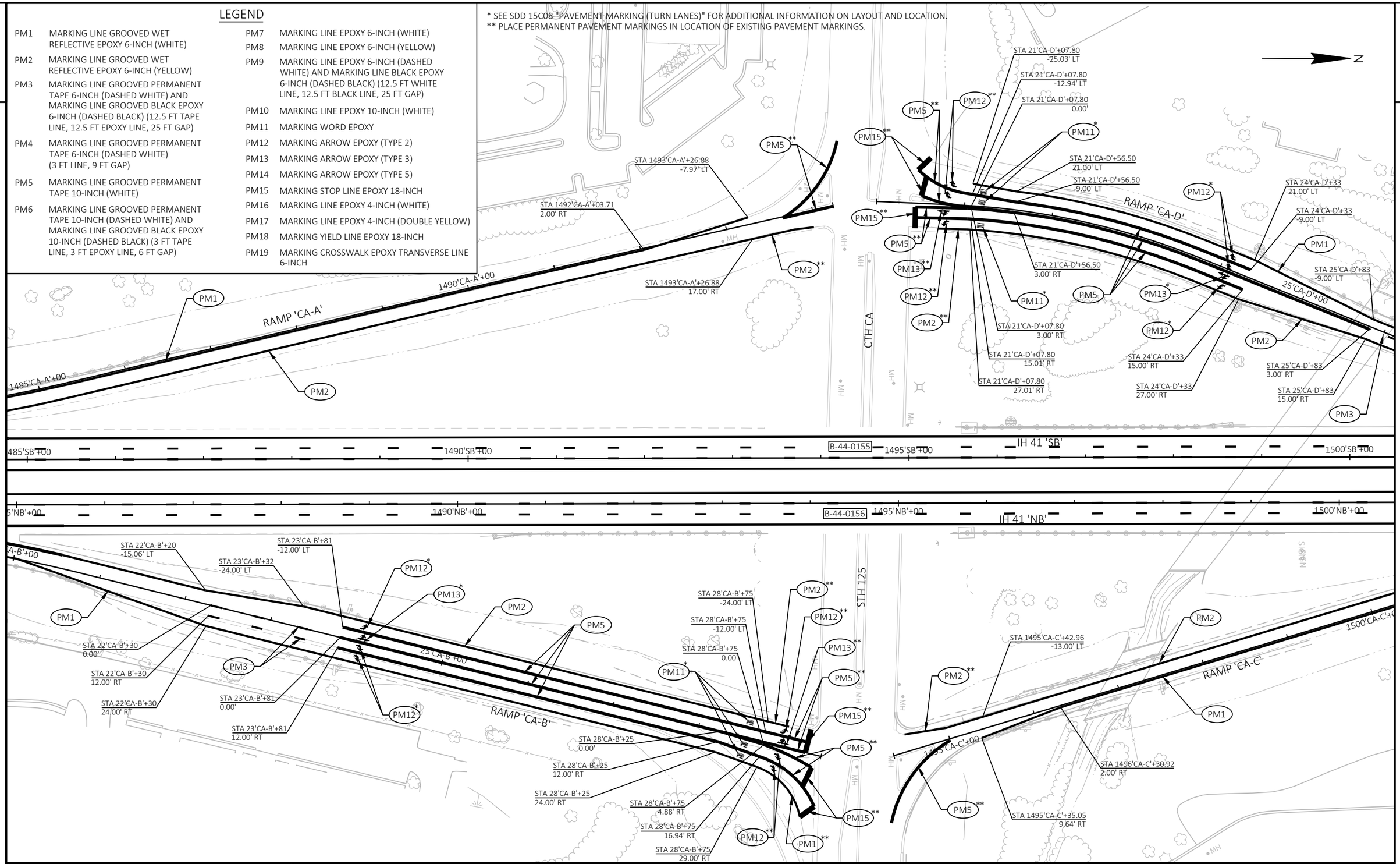
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	PAVEMENT MARKING - DETAIL D (BB RAMPS) / NORTHERN ROAD	SHEET 128 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - 024512-pm
PLOT DATE : 5/30/2023 3:08 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

PM1	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
PM2	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
PM3	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT TAPE LINE, 12.5 FT EPOXY LINE, 25 FT GAP)
PM4	MARKING LINE GROOVED PERMANENT TAPE 6-INCH (DASHED WHITE) (3 FT LINE, 9 FT GAP)
PM5	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE)
PM6	MARKING LINE GROOVED PERMANENT TAPE 10-INCH (DASHED WHITE) AND MARKING LINE GROOVED BLACK EPOXY 10-INCH (DASHED BLACK) (3 FT TAPE LINE, 3 FT EPOXY LINE, 6 FT GAP)
PM7	MARKING LINE EPOXY 6-INCH (WHITE)
PM8	MARKING LINE EPOXY 6-INCH (YELLOW)
PM9	MARKING LINE EPOXY 6-INCH (DASHED WHITE) AND MARKING LINE BLACK EPOXY 6-INCH (DASHED BLACK) (12.5 FT WHITE LINE, 12.5 FT BLACK LINE, 25 FT GAP)
PM10	MARKING LINE EPOXY 10-INCH (WHITE)
PM11	MARKING WORD EPOXY
PM12	MARKING ARROW EPOXY (TYPE 2)
PM13	MARKING ARROW EPOXY (TYPE 3)
PM14	MARKING ARROW EPOXY (TYPE 5)
PM15	MARKING STOP LINE EPOXY 18-INCH
PM16	MARKING LINE EPOXY 4-INCH (WHITE)
PM17	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
PM18	MARKING YIELD LINE EPOXY 18-INCH
PM19	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

* SEE SDD 15C08 "PAVEMENT MARKING (TURN LANES)" FOR ADDITIONAL INFORMATION ON LAYOUT AND LOCATION.
** PLACE PERMANENT PAVEMENT MARKINGS IN LOCATION OF EXISTING PAVEMENT MARKINGS.

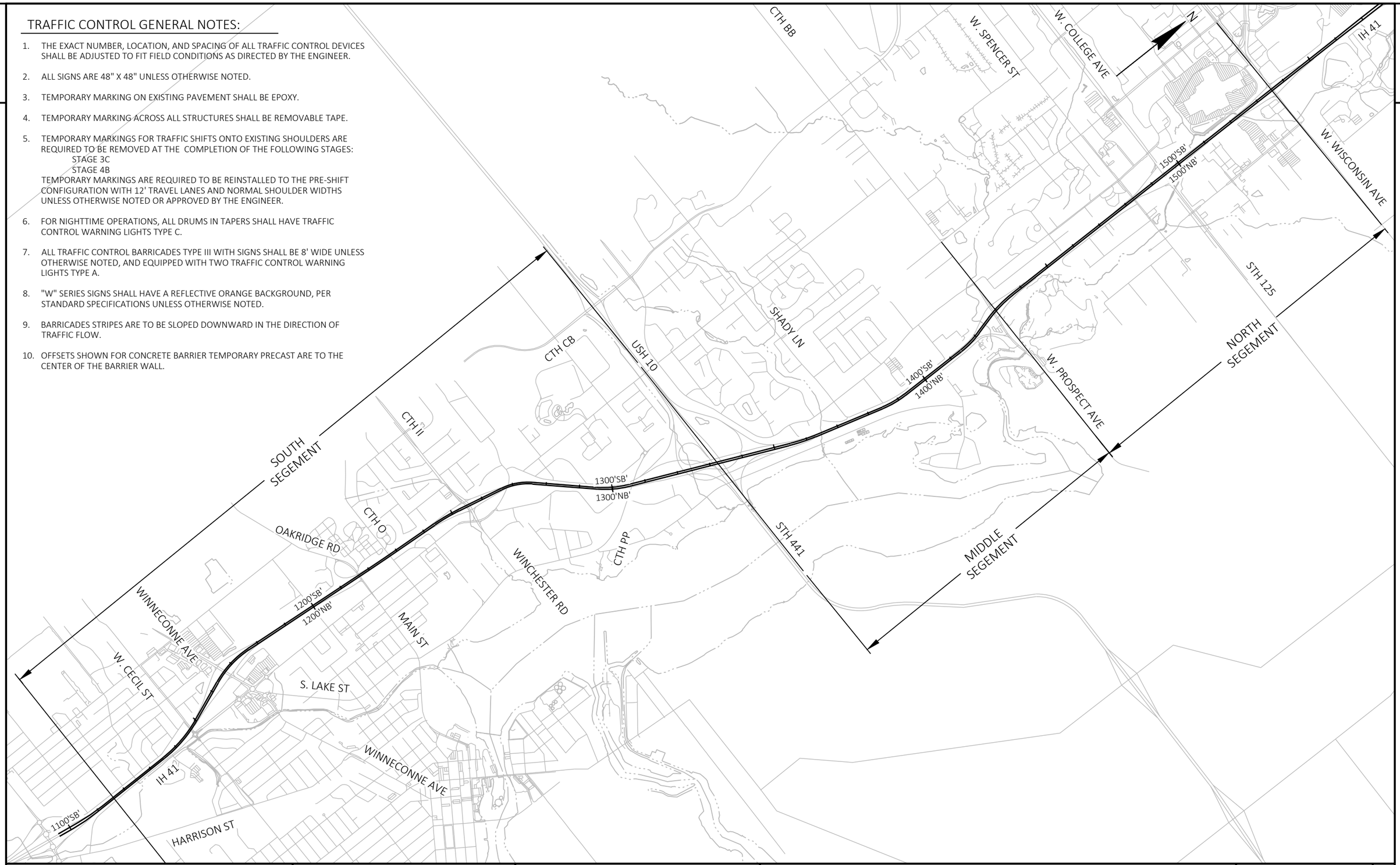


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PAVEMENT MARKING - DETAIL E (CA RAMPS)	SHEET 129	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - 024513-pm
PLOT DATE : 5/30/2023 3:38 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

TRAFFIC CONTROL GENERAL NOTES:

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
2. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
3. TEMPORARY MARKING ON EXISTING PAVEMENT SHALL BE EPOXY.
4. TEMPORARY MARKING ACROSS ALL STRUCTURES SHALL BE REMOVABLE TAPE.
5. TEMPORARY MARKINGS FOR TRAFFIC SHIFTS ONTO EXISTING SHOULDERS ARE REQUIRED TO BE REMOVED AT THE COMPLETION OF THE FOLLOWING STAGES:
   STAGE 3C
   STAGE 4B
   TEMPORARY MARKINGS ARE REQUIRED TO BE REINSTALLED TO THE PRE-SHIFT CONFIGURATION WITH 12' TRAVEL LANES AND NORMAL SHOULDER WIDTHS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER.
6. FOR NIGHTTIME OPERATIONS, ALL DRUMS IN TAPERS SHALL HAVE TRAFFIC CONTROL WARNING LIGHTS TYPE C.
7. ALL TRAFFIC CONTROL BARRICADES TYPE III WITH SIGNS SHALL BE 8' WIDE UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TRAFFIC CONTROL WARNING LIGHTS TYPE A.
8. "W" SERIES SIGNS SHALL HAVE A REFLECTIVE ORANGE BACKGROUND, PER STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
9. BARRICADES STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.
10. OFFSETS SHOWN FOR CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE CENTER OF THE BARRIER WALL.



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - OVERVIEW	SHEET 130	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 025000_gn
PLOT DATE : 7/10/2023 1:11 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

2

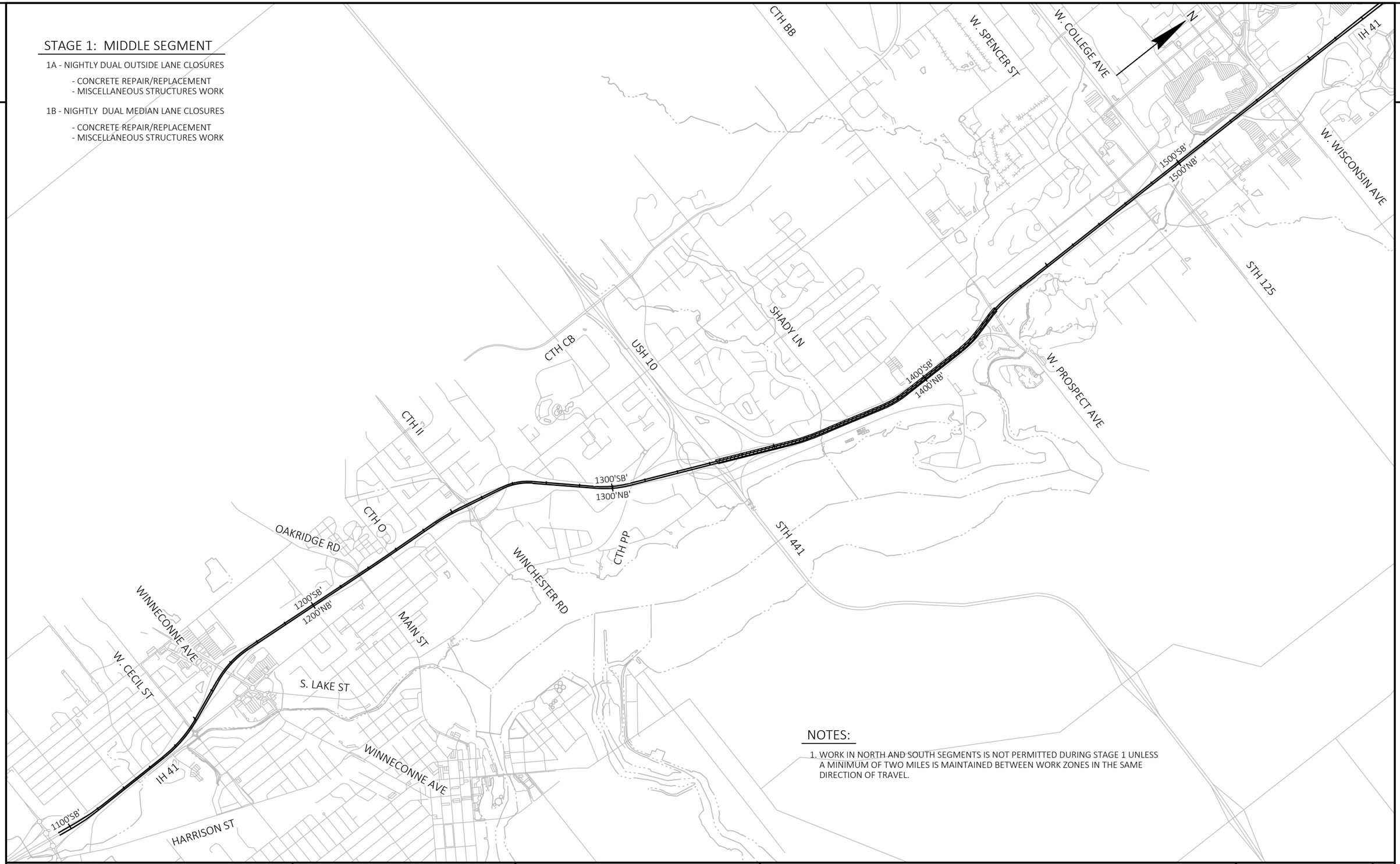
STAGE 1: MIDDLE SEGMENT

1A - NIGHTLY DUAL OUTSIDE LANE CLOSURES

- CONCRETE REPAIR/REPLACEMENT
- MISCELLANEOUS STRUCTURES WORK

1B - NIGHTLY DUAL MEDIAN LANE CLOSURES

- CONCRETE REPAIR/REPLACEMENT
- MISCELLANEOUS STRUCTURES WORK



NOTES:

1. WORK IN NORTH AND SOUTH SEGMENTS IS NOT PERMITTED DURING STAGE 1 UNLESS A MINIMUM OF TWO MILES IS MAINTAINED BETWEEN WORK ZONES IN THE SAME DIRECTION OF TRAVEL.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET 131	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 025000_s1

PLOT DATE : 7/10/2023 1:12 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

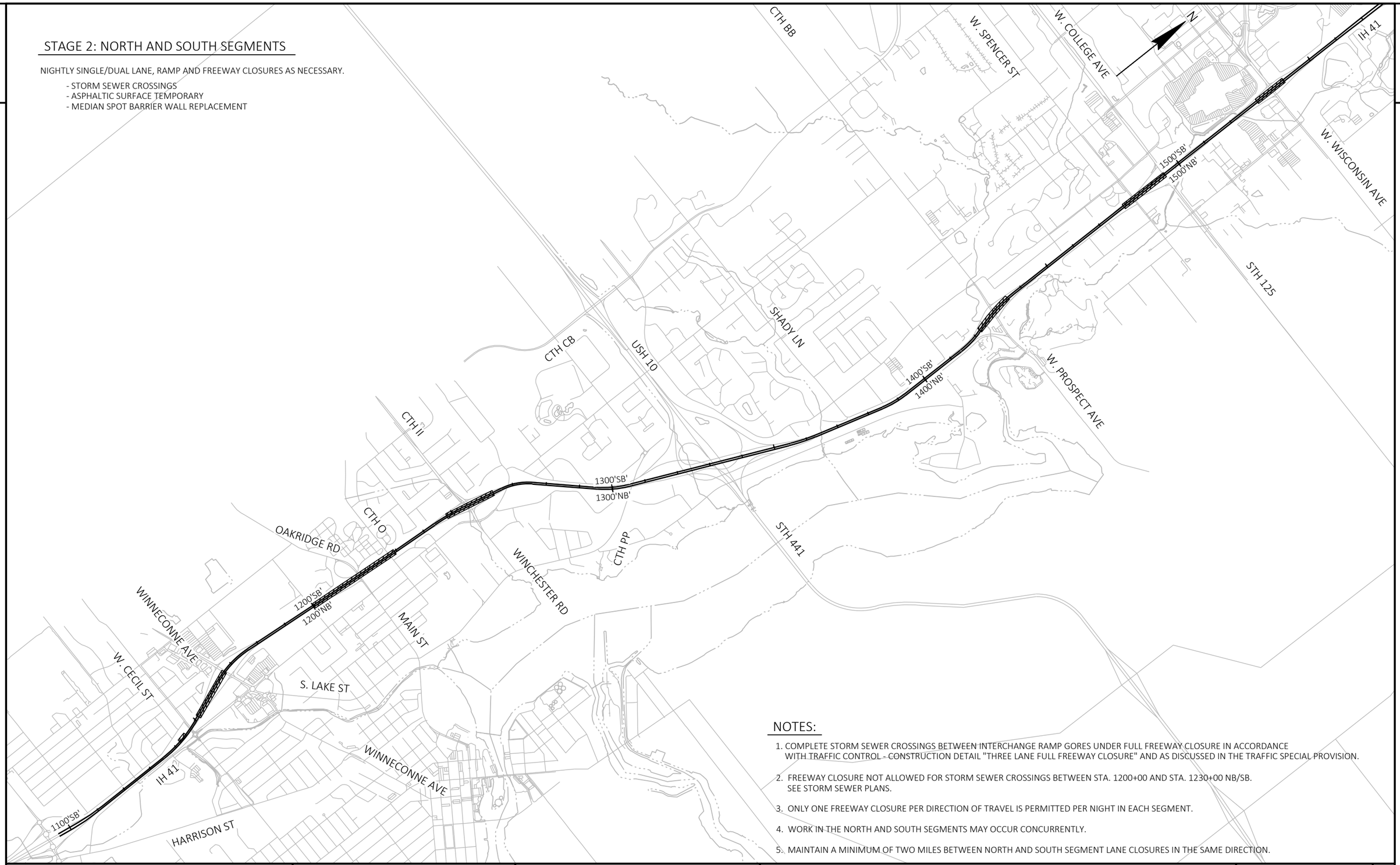
WISDOT/CADDS SHEET 42

2

STAGE 2: NORTH AND SOUTH SEGMENTS

NIGHTLY SINGLE/DUAL LANE, RAMP AND FREEWAY CLOSURES AS NECESSARY.

- STORM SEWER CROSSINGS
- ASPHALTIC SURFACE TEMPORARY
- MEDIAN SPOT BARRIER WALL REPLACEMENT



NOTES:

1. COMPLETE STORM SEWER CROSSINGS BETWEEN INTERCHANGE RAMP GORES UNDER FULL FREEWAY CLOSURE IN ACCORDANCE WITH TRAFFIC CONTROL - CONSTRUCTION DETAIL "THREE LANE FULL FREEWAY CLOSURE" AND AS DISCUSSED IN THE TRAFFIC SPECIAL PROVISION.
2. FREEWAY CLOSURE NOT ALLOWED FOR STORM SEWER CROSSINGS BETWEEN STA. 1200+00 AND STA. 1230+00 NB/SB. SEE STORM SEWER PLANS.
3. ONLY ONE FREEWAY CLOSURE PER DIRECTION OF TRAVEL IS PERMITTED PER NIGHT IN EACH SEGMENT.
4. WORK IN THE NORTH AND SOUTH SEGMENTS MAY OCCUR CONCURRENTLY.
5. MAINTAIN A MINIMUM OF TWO MILES BETWEEN NORTH AND SOUTH SEGMENT LANE CLOSURES IN THE SAME DIRECTION.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 132	E

2

STAGE 3: NORTH AND SOUTH SEGMENTS

3A - NIGHTLY SINGLE MEDIAN LANE CLOSURES (NB AND SB)

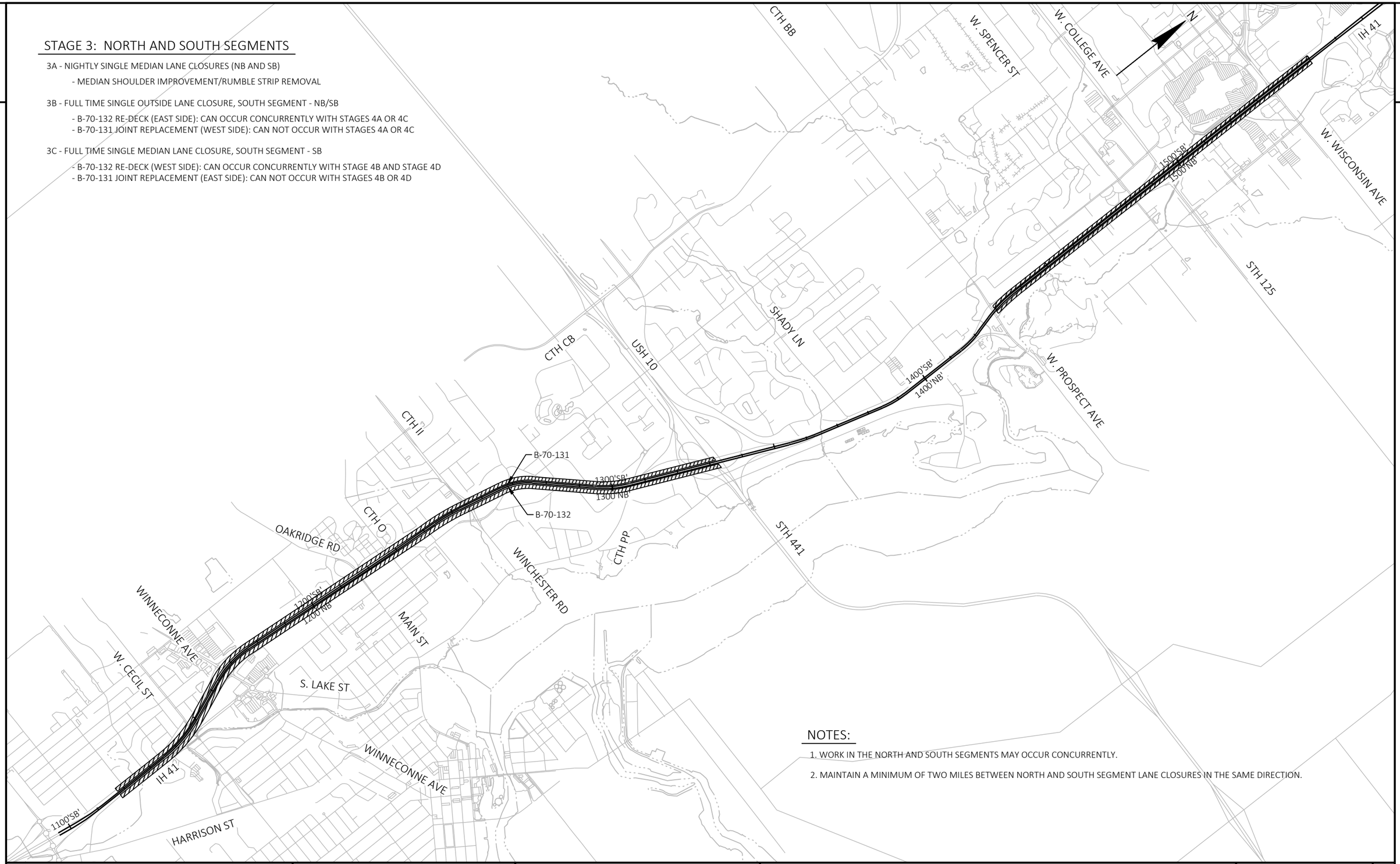
- MEDIAN SHOULDER IMPROVEMENT/RUMBLE STRIP REMOVAL

3B - FULL TIME SINGLE OUTSIDE LANE CLOSURE, SOUTH SEGMENT - NB/SB

- B-70-132 RE-DECK (EAST SIDE): CAN OCCUR CONCURRENTLY WITH STAGES 4A OR 4C
- B-70-131 JOINT REPLACEMENT (WEST SIDE): CAN NOT OCCUR WITH STAGES 4A OR 4C

3C - FULL TIME SINGLE MEDIAN LANE CLOSURE, SOUTH SEGMENT - SB

- B-70-132 RE-DECK (WEST SIDE): CAN OCCUR CONCURRENTLY WITH STAGE 4B AND STAGE 4D
- B-70-131 JOINT REPLACEMENT (EAST SIDE): CAN NOT OCCUR WITH STAGES 4B OR 4D



NOTES:

1. WORK IN THE NORTH AND SOUTH SEGMENTS MAY OCCUR CONCURRENTLY.
2. MAINTAIN A MINIMUM OF TWO MILES BETWEEN NORTH AND SOUTH SEGMENT LANE CLOSURES IN THE SAME DIRECTION.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 133	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 025000_s3

PLOT DATE : 7/10/2023 1:12 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

2

STAGE 4: NORTH AND SOUTH SEGMENTS

4A - FULL TIME SINGLE OUTSIDE LANE CLOSURES (NB AND SB)
(OFF-PEAK CLOSURES REQ'D TO COMPLETE WORK)

- TRAFFIC SHIFTED ONTO MEDIAN SHOULDER
- ASPHALT APPROACH SLAB REPLACEMENT (OUTSIDE)
- OUTSIDE SHOULDER IMPROVEMENT/RUMBLE STRIP REMOVAL
- MISCELLANEOUS STRUCTURES WORK

4B - FULL TIME SINGLE MEDIAN LANE CLOSURES (NB AND SB)
(OFF-PEAK CLOSURES REQ'D TO COMPLETE WORK)

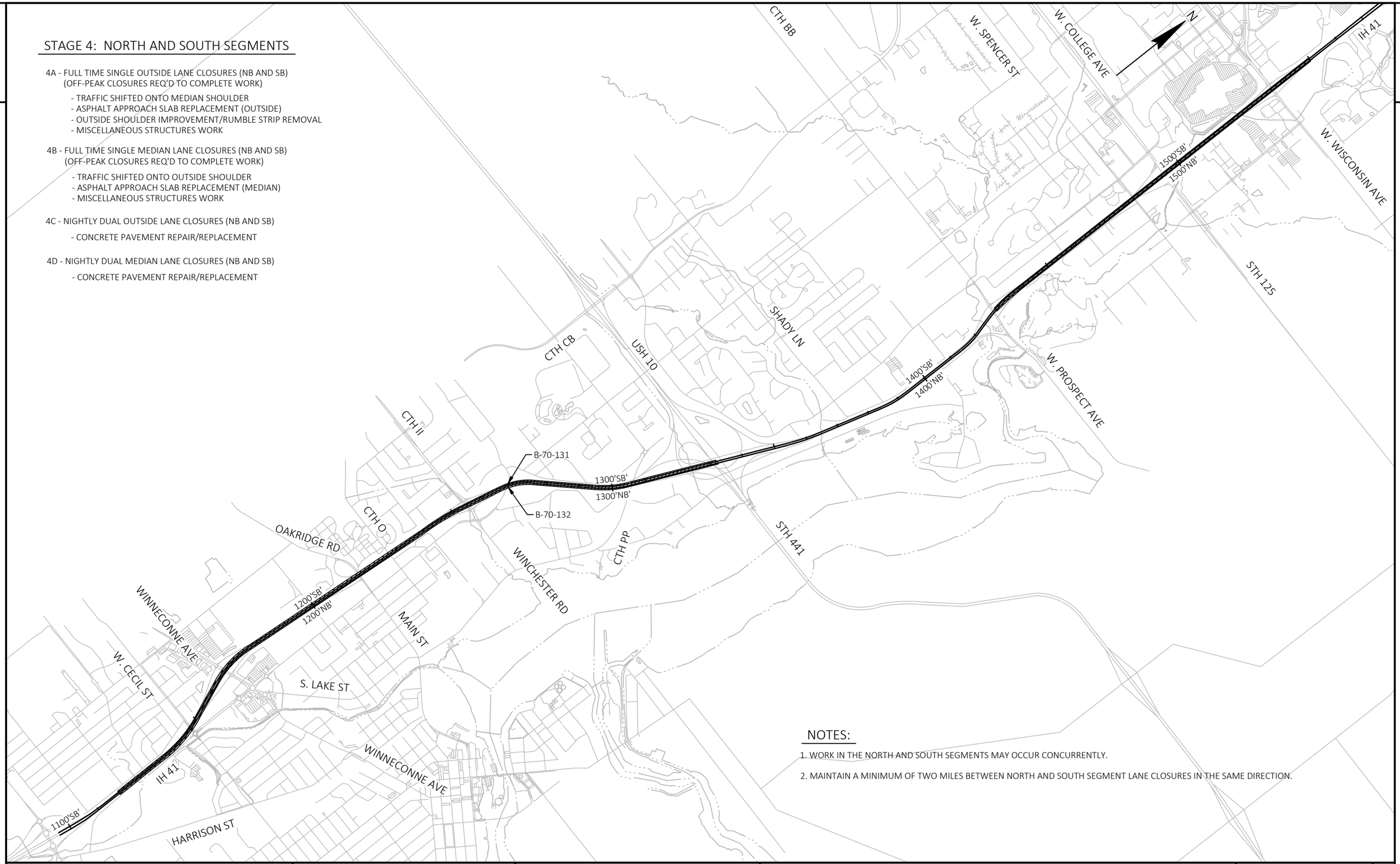
- TRAFFIC SHIFTED ONTO OUTSIDE SHOULDER
- ASPHALT APPROACH SLAB REPLACEMENT (MEDIAN)
- MISCELLANEOUS STRUCTURES WORK

4C - NIGHTLY DUAL OUTSIDE LANE CLOSURES (NB AND SB)

- CONCRETE PAVEMENT REPAIR/REPLACEMENT

4D - NIGHTLY DUAL MEDIAN LANE CLOSURES (NB AND SB)

- CONCRETE PAVEMENT REPAIR/REPLACEMENT



NOTES:

1. WORK IN THE NORTH AND SOUTH SEGMENTS MAY OCCUR CONCURRENTLY.
2. MAINTAIN A MINIMUM OF TWO MILES BETWEEN NORTH AND SOUTH SEGMENT LANE CLOSURES IN THE SAME DIRECTION.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 134	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 025000_s4
PLOT DATE : 7/10/2023 1:13 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

STAGE 5: NORTH, MIDDLE AND SOUTH SEGMENTS

5A- NIGHTLY SINGLE/DUAL OUTSIDE LANE, RAMP CLOSURES AS NECESSARY

- DIAMOND GRINDING
- PERMANENT PAVEMENT MARKING
- MGS GUARDRAIL INSTALLATION
- RUMBLE STRIP INSTALLATION

5B - NIGHTLY SINGLE/DUAL MEDIAN LANE CLOSURES AS NECESSARY

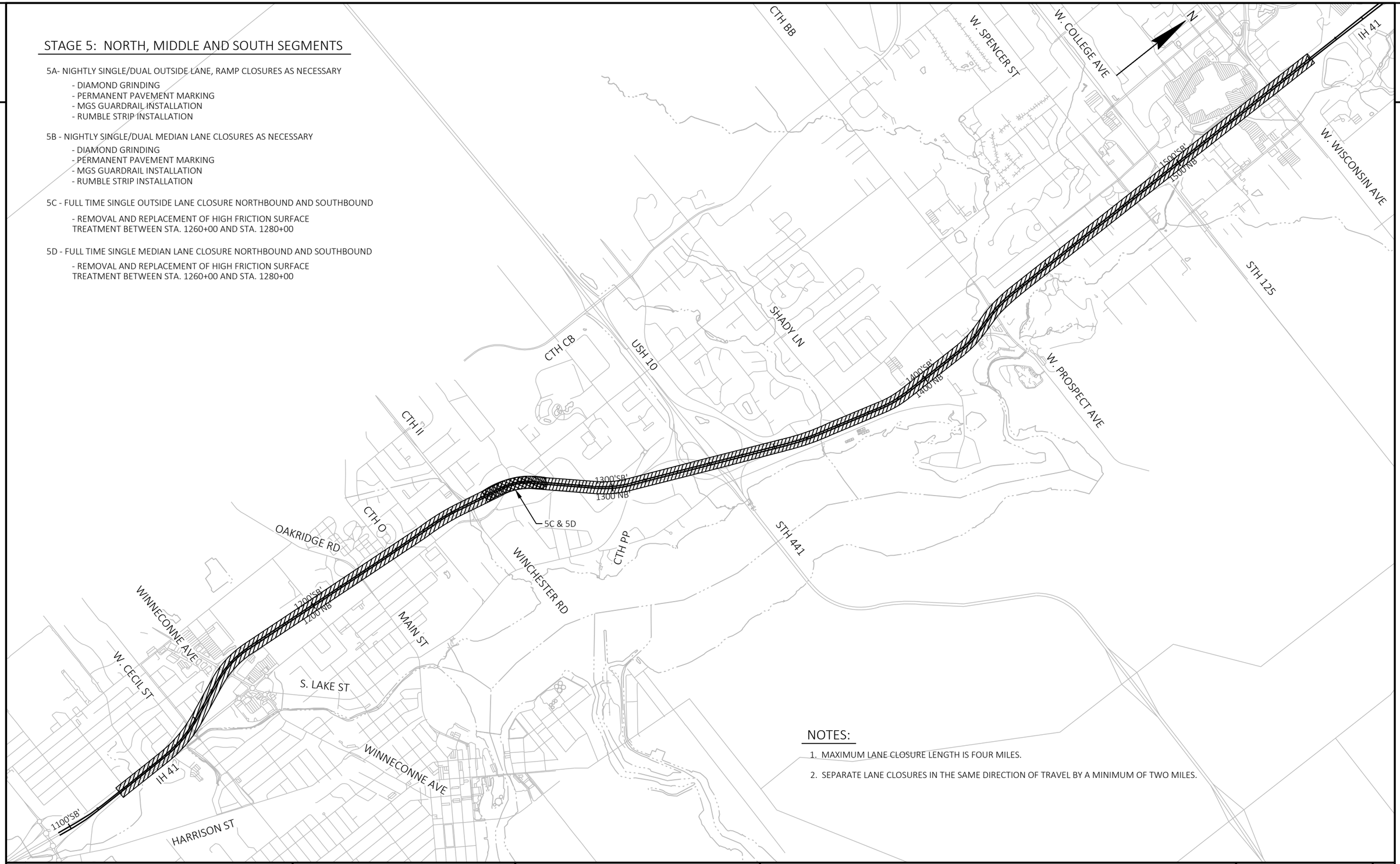
- DIAMOND GRINDING
- PERMANENT PAVEMENT MARKING
- MGS GUARDRAIL INSTALLATION
- RUMBLE STRIP INSTALLATION

5C - FULL TIME SINGLE OUTSIDE LANE CLOSURE NORTHBOUND AND SOUTHBOUND

- REMOVAL AND REPLACEMENT OF HIGH FRICTION SURFACE TREATMENT BETWEEN STA. 1260+00 AND STA. 1280+00

5D - FULL TIME SINGLE MEDIAN LANE CLOSURE NORTHBOUND AND SOUTHBOUND

- REMOVAL AND REPLACEMENT OF HIGH FRICTION SURFACE TREATMENT BETWEEN STA. 1260+00 AND STA. 1280+00



NOTES:

1. MAXIMUM LANE CLOSURE LENGTH IS FOUR MILES.
2. SEPARATE LANE CLOSURES IN THE SAME DIRECTION OF TRAVEL BY A MINIMUM OF TWO MILES.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 5 OVERVIEW	SHEET 135	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-TC.DWG
LAYOUT NAME - 025000_s5

PLOT DATE : 7/10/2023 1:13 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:0.5 MI

2

STAGE 6: IH 41 / USH 10 / STH 441 INTERHCANGE

6A, 6B & 6C: NIGHTLY SINGLE LANE CLOSURES ON USH 10 WESTBOUND/STH 441 SOUTHBOUND

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0401 & B-70-0405

6D & 6E: NIGHTLY SINGLE LANE CLOSURE ON IH 41 NORTHBOUND
NIGHTLY SINGLE LANE CLOSURE ON IH 41 NORTHBOUND EXIT RAMP TO USH 10 EASTBOUND/STH 441 NORTHBOUND.

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0402

6F & 6G: NIGHTLY SINGLE LANE CLOSURES ON USH 10 EASTBOUND
NIGHTLY CLOSURE OF IH 41 SOUTHBOUND EXIT RAMP TO USH 10 EASTBOUND

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0400

6H: FULL TIME CLOSURE OF USH 10 WESTBOUND EXIT RAMP TO NORTHBOUND IH 41

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0406

6I: NIGHTLY CLOSURE OF IH 41 NORTHBOUND EXIT RAMP TO USH 10 WESTBOUND

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0407

6J: NIGHTLY CLOSURE OF USH 10 EASTBOUND EXIT RAMP TO IH 41 NORTHBOUND

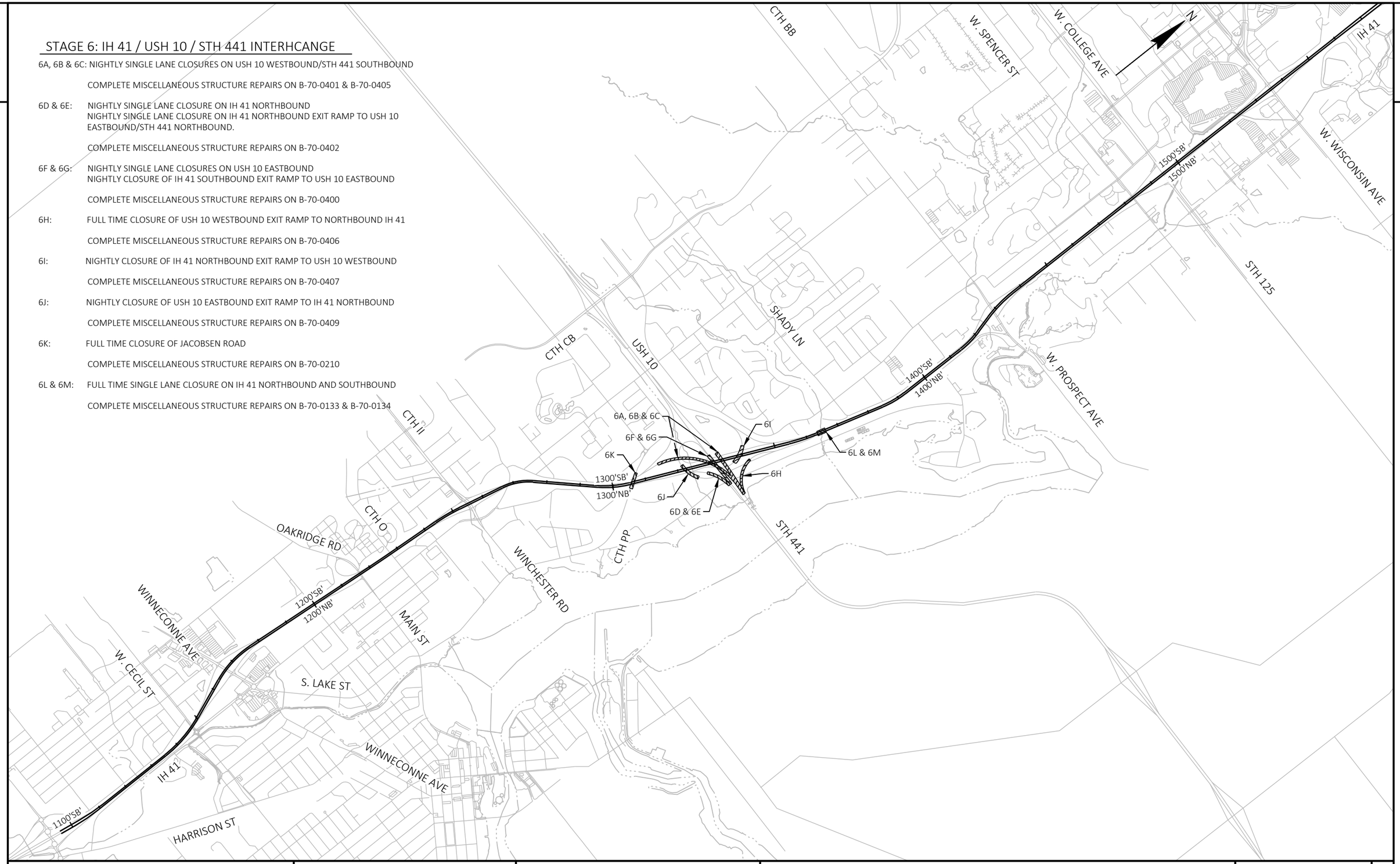
COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0409

6K: FULL TIME CLOSURE OF JACOBSEN ROAD

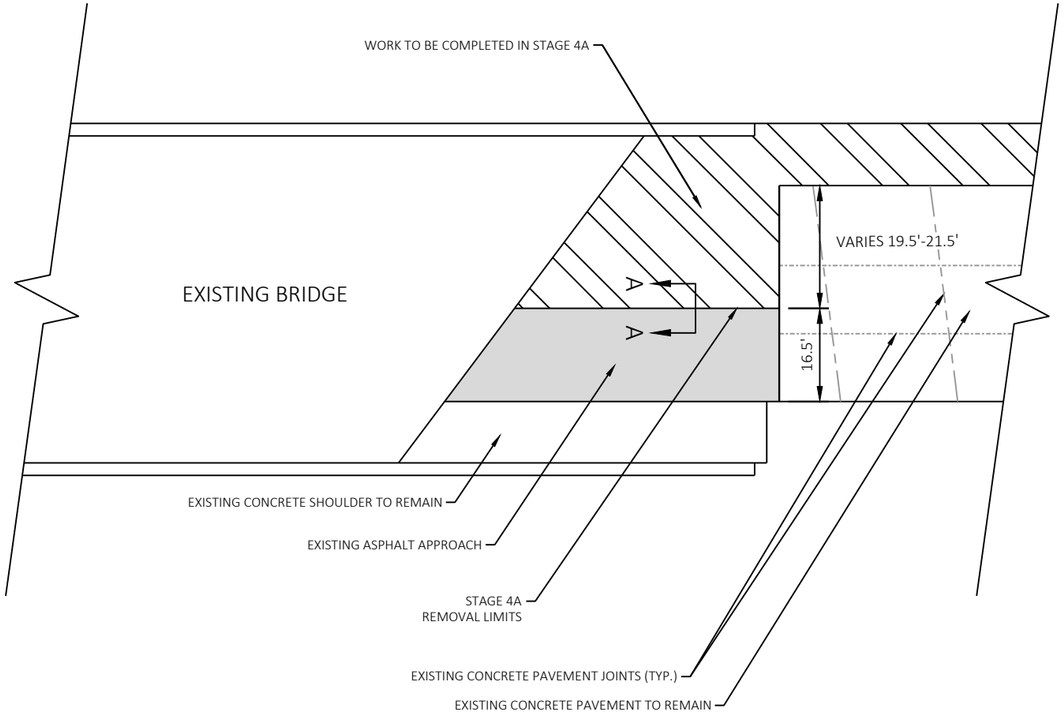
COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0210

6L & 6M: FULL TIME SINGLE LANE CLOSURE ON IH 41 NORTHBOUND AND SOUTHBOUND

COMPLETE MISCELLANEOUS STRUCTURE REPAIRS ON B-70-0133 & B-70-0134

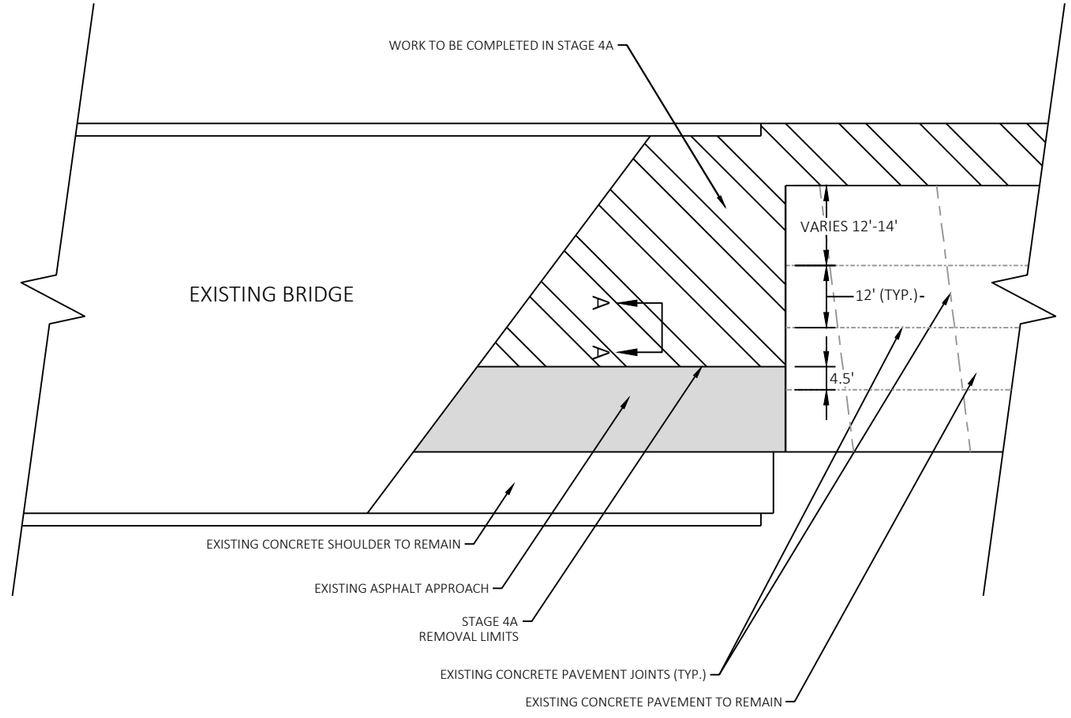


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 6 OVERVIEW	SHEET 136	E



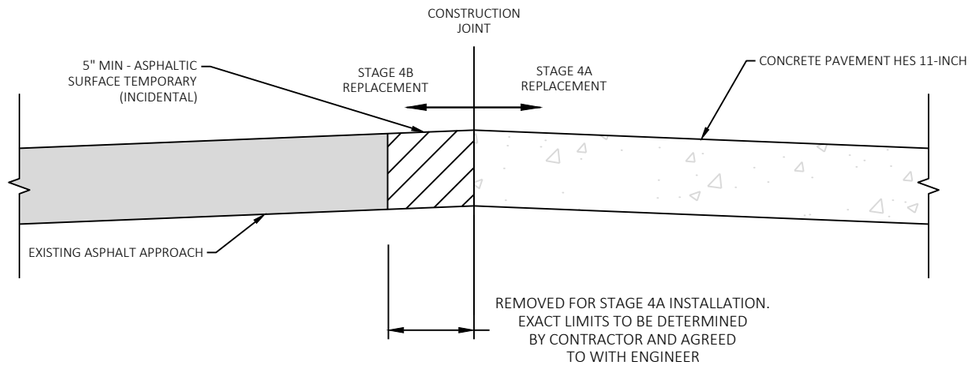
3- LANE CONCRETE APPROACH DETAIL

B-70-124
B-70-126
B-70-128
B-70-130



4- LANE CONCRETE APPROACH DETAIL

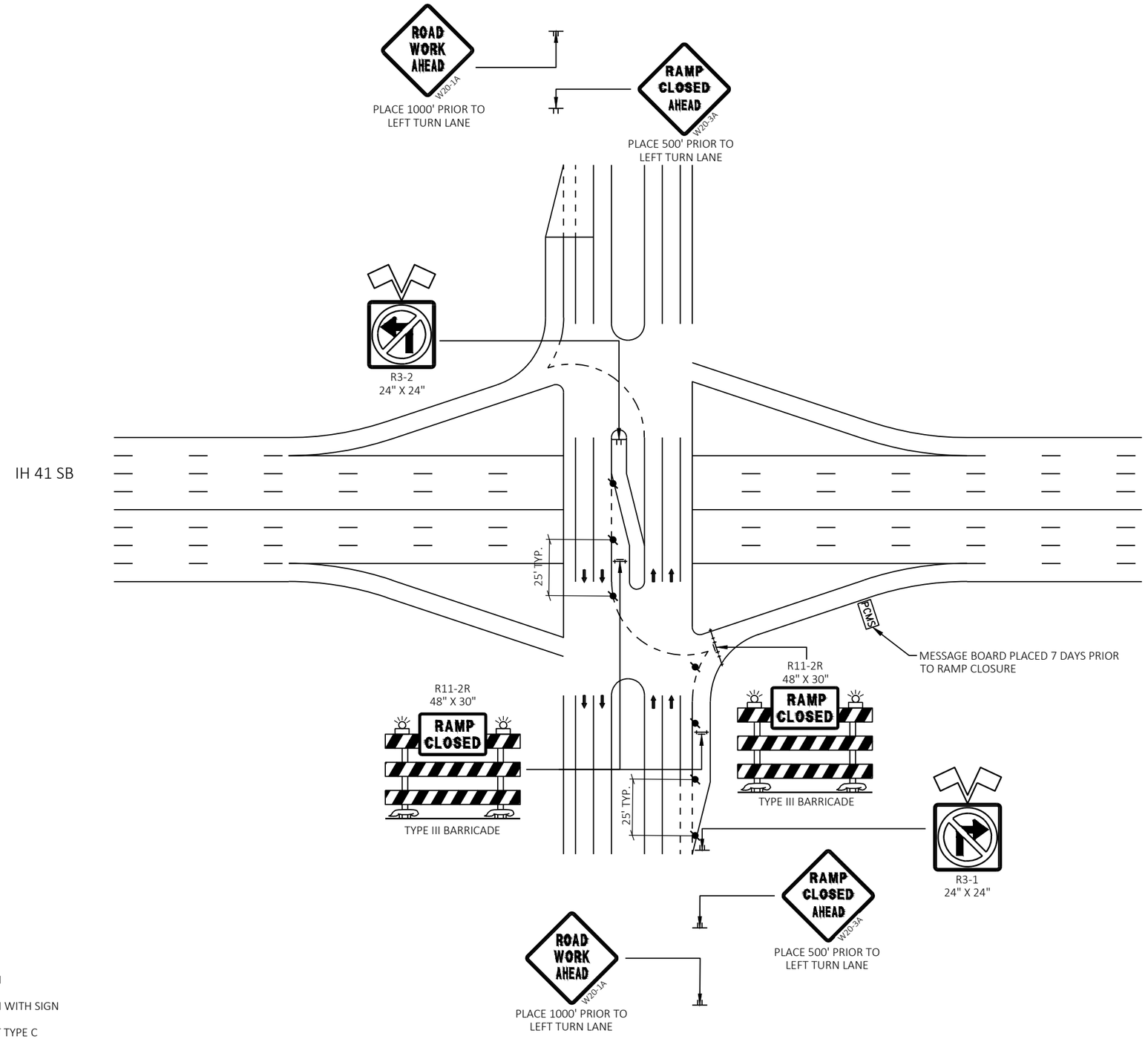
B-70-050



SECTION A - A

STAGED ASPHALT APPROACH SLAB REPLACEMENT

2



ONRAMP CLOSURE

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL SIGN(S) ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE TYPE III
- TRAFFIC CONTROL BARRICADE TYPE III WITH SIGN
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC FLOW ARROW

NOTES:

1. TRAFFIC CONTROL SHOWN IS FOR TYPICAL ONRAMP CLOSURE. ADJUST SIGN PLACEMENT AND TRAFFIC CONTROL DEVICES TO FIT THE SITE CONDITIONS AS DIRECTED BY THE ENGINEER.
2. COVER PERMANENT SIGNS IN CONFLICT WITH TRAFFIC CONTROL DEVICES, AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET 138	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026000-TC.DWG
LAYOUT NAME - 026002-cd
PLOT DATE : 7/27/2023 7:54 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

GENERAL NOTES

LEFT CLOSURE SHOWN (RIGHT LANE CLOSURE SIMILAR)

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

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

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

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

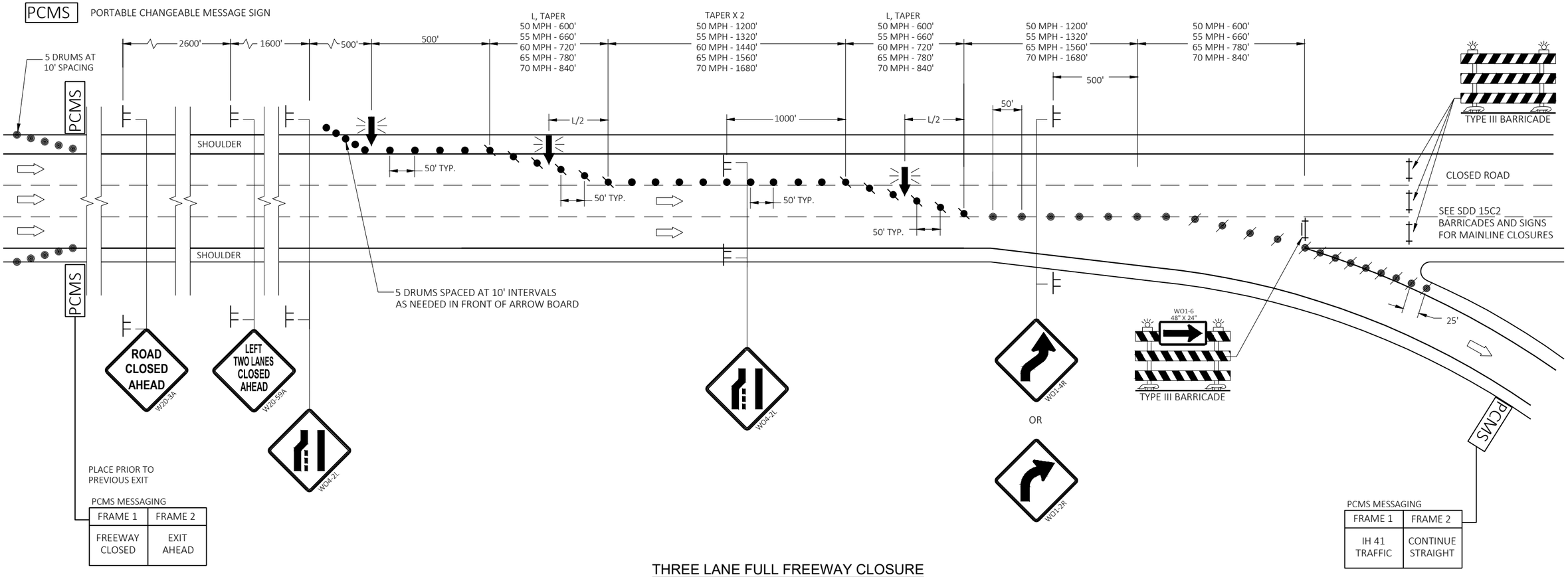
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP REINFORCE THE DRUM LINE.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

REFER TO DETOUR ROUTES FOR TRAFFIC GUIDANCE SIGNING.

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.



THREE LANE FULL FREEWAY CLOSURE

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET 139	E

2

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE BOARD

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, INCLUDING PCMS AND TRAFFIC CONTROL 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" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

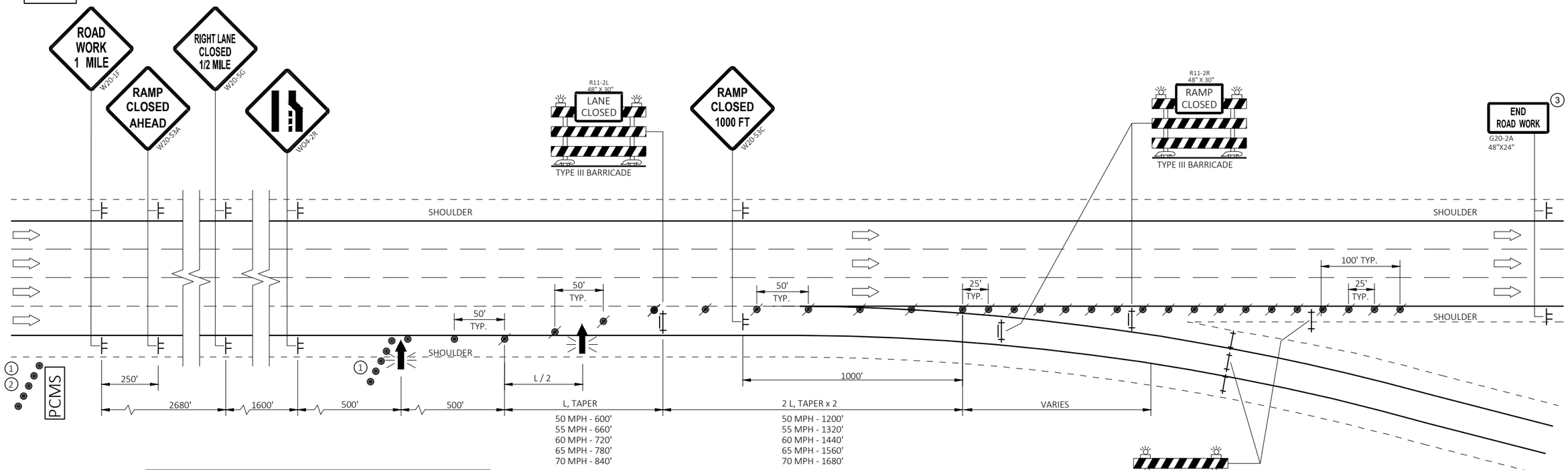
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED SIGNS".
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISION OR AS DIRECTED BY THE ENGINEER.

REMOVE ALL ARROW BOARDS AND DEVICES BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS.

1. 5 DRUMS SPACED AT 10 FOOT INTERVALS.
2. DURING THE PRE-WARNING PERIOD, PLACE THE PCMS AT THE RAMP THAT IS TO BE CLOSED. DURING CLOSURE PERIOD, PLACE PCMS OR FMS AT LAST AVAILABLE EXIT IN ADVANCE OF RAMP CLOSURE. IF DYNAMIC MESSAGE SIGNS (DMS) ARE AVAILABLE, COORDINATE POTENTIAL SIGN MESSAGES WITH THE TRAFFIC MANAGEMENT CENTER (TMC).
3. 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.



PCMS MESSAGING

ONE WEEK IN ADVANCE OF CLOSURE:

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

DURING CLOSURE:

FRAME 1	FRAME 2
RAMP CLOSED AHEAD	XXXDAY XX XX XX

EXIT RAMP WITH AUXILIARY LANE CLOSURE

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET 140	E

2

N

LENGTH VARIES
APPROACH SLAB REPLACEMENT
DROP-OFF PROTECTION
FIXED CCBTP (PAVEMENT)

12.5'
FIXED CCBTP
BEYOND APPROACH
SLAB DROP OFF

50'
PINNING TRANSITION
TO FIXED CCBTP
(BRIDGE DECK)

50'
PINNING TRANSITION
FROM FIXED CCBTP
(BRIDGE DECK)

LENGTH VARIES
APPROACH SLAB REPLACEMENT
DROP-OFF PROTECTION
FIXED CCBTP (PAVEMENT)

50'
PINNING
TRANSITION TO
FIXED CCBTP
(PAVEMENT)

+/-50'
ANCHORED PER C.C.
MANUFACTURER'S
REQUIREMENTS

CTH "CA"

MH

INL

CC

1495

+/-50'
ANCHORED PER C.C.
MANUFACTURER'S
REQUIREMENTS

50'
PINNING
TRANSITION TO
FIXED CCBTP
(PAVEMENT)

LENGTH VARIES
APPROACH SLAB REPLACEMENT
DROP-OFF PROTECTION
FIXED CCBTP (PAVEMENT)

50'
PINNING TRANSITION
FROM FIXED CCBTP
(BRIDGE DECK)

50'
PINNING TRANSITION
TO FIXED CCBTP
(BRIDGE DECK)

12.5'
FIXED CCBTP
BEYOND APPROACH
SLAB DROP OFF

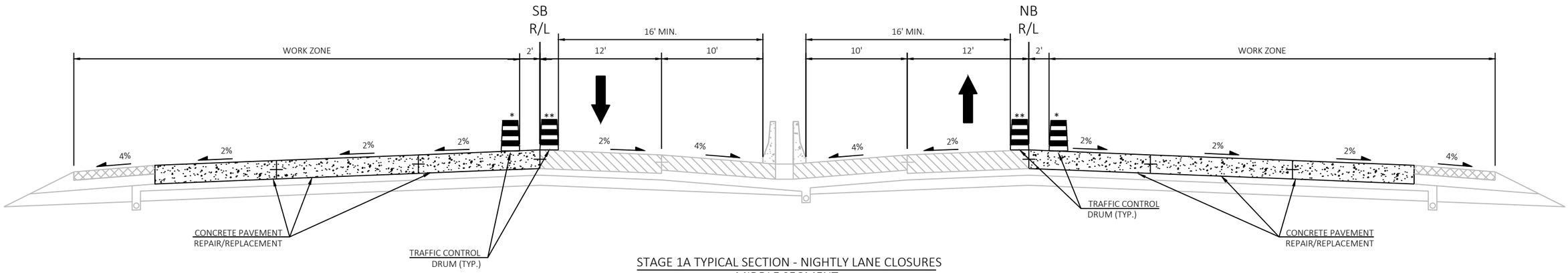
LENGTH VARIES
APPROACH SLAB REPLACEMENT
DROP-OFF PROTECTION
FIXED CCBTP (PAVEMENT)

STH 125

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - CONSTRUCTION DETAILS	SHEET 141	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\OLD\PINNED BARRIER WALL EXHIBIT.DWG
LAYOUT NAME - 021008-cd
PLOT DATE : 5/16/2023 10:22 AM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

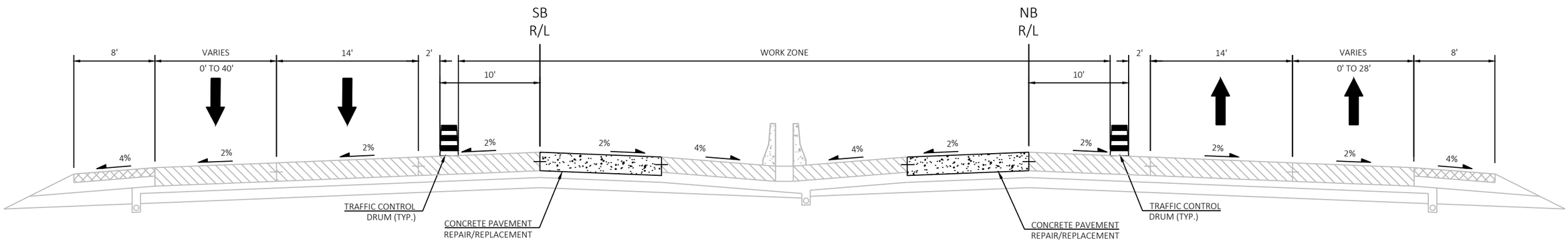
2



STAGE 1A TYPICAL SECTION - NIGHTLY LANE CLOSURES
MIDDLE SEGMENT

STA 1300+00 TO 1400+00 SB STA 1300+00 TO STA 1400+00 NB

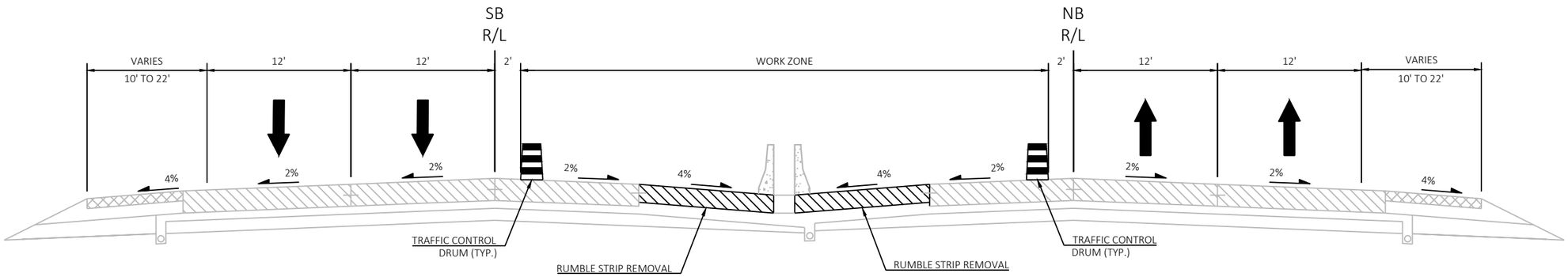
* NORMAL TRAFFIC CONTROL DRUM POSITION
** TRAFFIC CONTROL DRUM POSITION ADJACENT TO ACTIVE WORK OPERATION. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATION.



STAGE 1B TYPICAL SECTION - NIGHTLY LANE CLOSURES
MIDDLE SEGMENT

STA 1300+00 TO 1400+00 SB STA 1300+00 TO STA 1400+00 NB

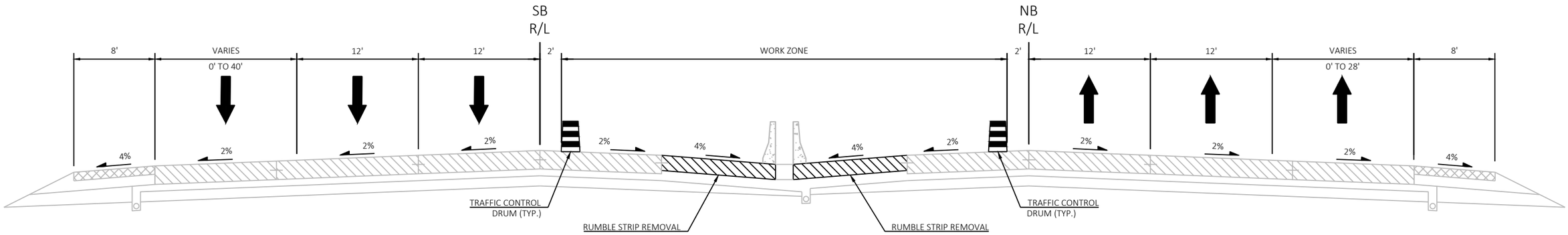
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 142	E



STAGE 3A TYPICAL SECTION - NIGHTLY LANE CLOSURE
SOUTH & NORTH SEGMENTS

STA 1119+00 TO STA 1135+09 SB
STA 1152+86 TO STA 1216+30 SB
STA 1301+96 TO STA 1332+00 SB
STA 1493+00 TO STA 1504+92 SB
STA 1520+67 TO STA 1536+77 SB

STA 1119+00 TO STA 1142+02 NB
STA 1151+33 TO STA 1179+03 NB
STA 1202+88 TO STA 1266+04 NB
STA 1493+00 TO STA 1510+84 NB
STA 1520+67 TO STA 1536+89 NB

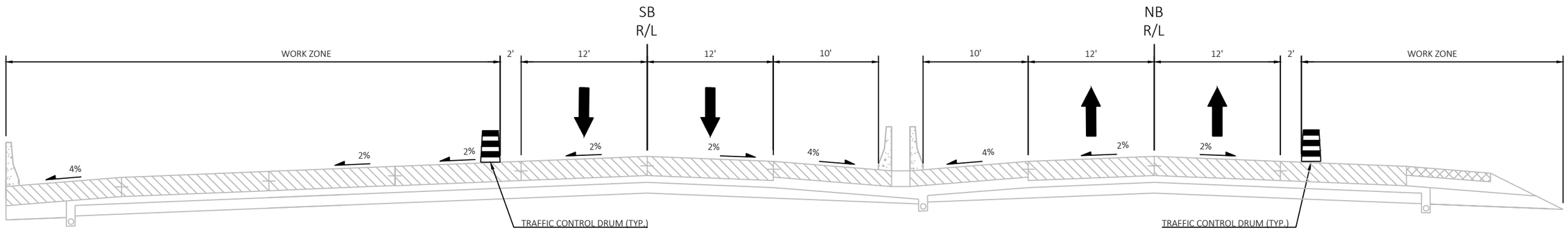


STAGE 3A TYPICAL SECTION - NIGHTLY LANE CLOSURE
SOUTH & NORTH SEGMENTS

STA 1135+09 TO 1152+86 SB
STA 1216+30 TO 1301+96 SB
STA 1504+92 TO 1520+67 SB

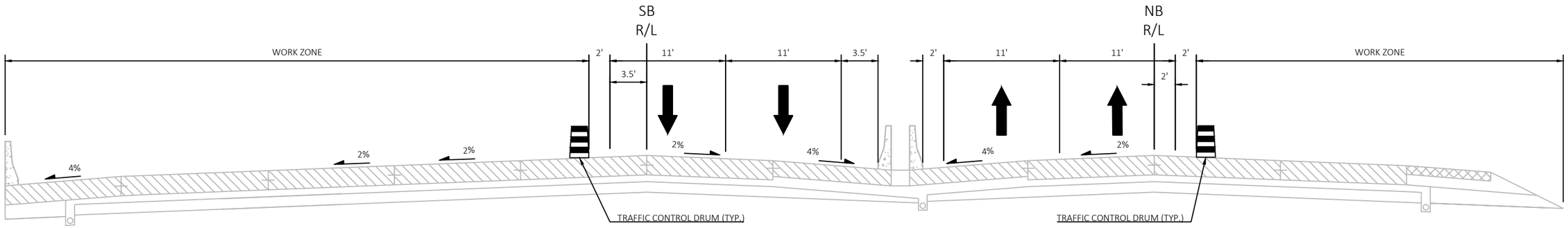
STA 1142+02 TO STA 1151+33 NB
STA 1179+03 TO STA 1202+88 NB
STA 1266+04 TO STA 1332+00 NB
STA 1510+84 TO STA 1522+23 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 143	E



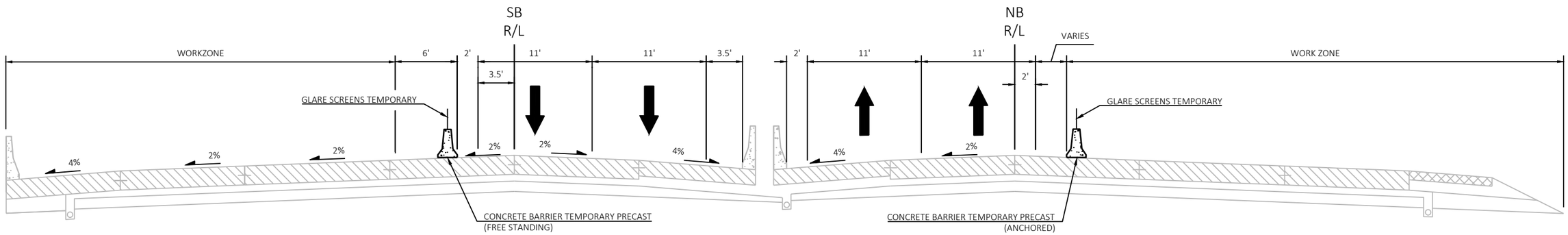
STAGE 3B TYPICAL SECTION

STA 1278+74 TO STA 1310+00 SB STA 1226+00 TO STA 1256+00 NB



STAGE 3B TYPICAL SECTION

STA 1259+25 TO STA 1266+54 SB STA 1256+00 TO STA 1265+00 NB
STA 1272+51 TO STA 1278+74 SB STA 1272+00 TO STA 1280+00 NB

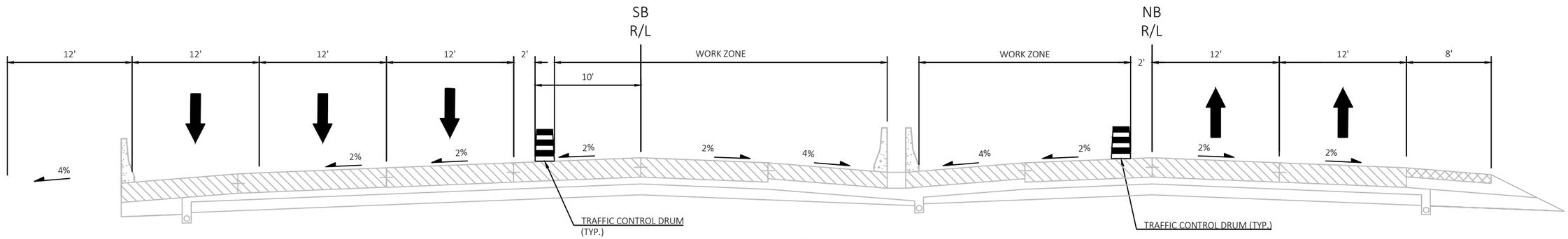


STAGE 3B TYPICAL SECTION

STA 1266+54 TO STA 1272+51 SB STA 1265+00 TO STA 1272+00 NB

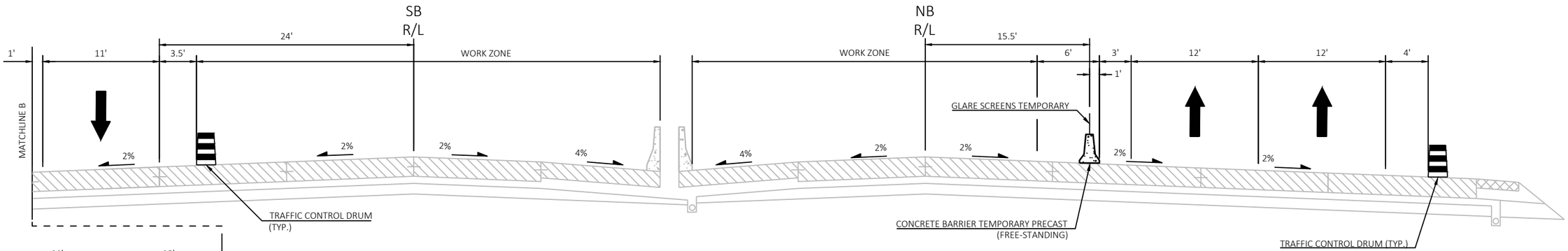
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 144	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025003b-ts
PLOT DATE : 7/10/2023 1:14 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



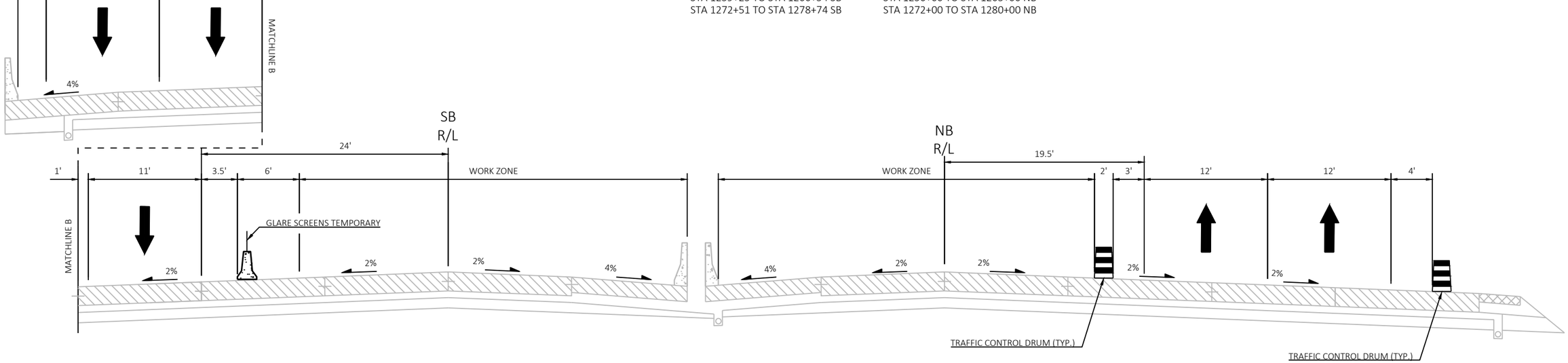
STAGE 3C TYPICAL SECTION

STA 1278+74 TO STA 1310+00 SB STA 1226+00 TO STA 1256+00 NB



STAGE 3C TYPICAL SECTION

STA 1259+25 TO STA 1266+54 SB STA 1256+00 TO STA 1265+00 NB
STA 1272+51 TO STA 1278+74 SB STA 1272+00 TO STA 1280+00 NB

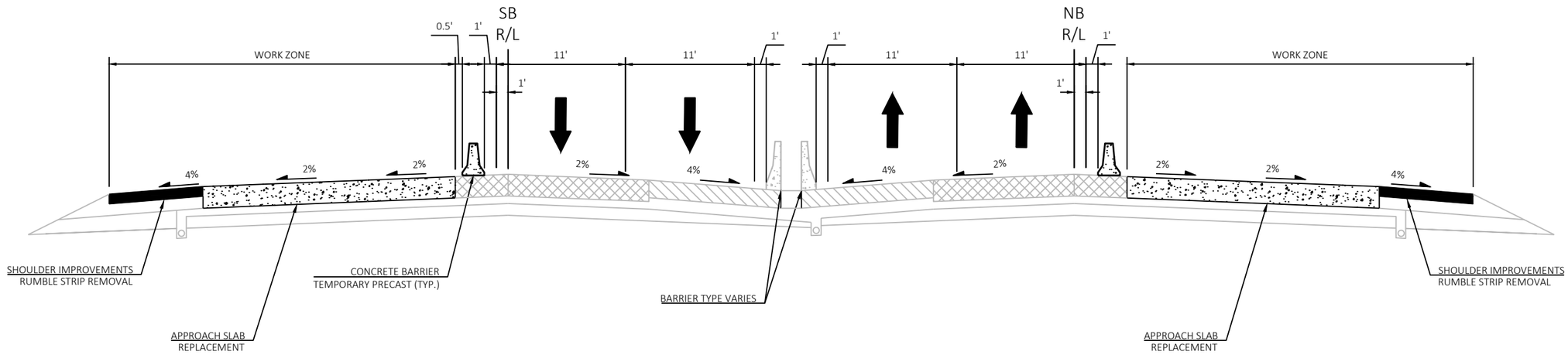


STAGE 3C TYPICAL SECTION

STA 1266+54 TO STA 1272+51 SB STA 1265+00 TO STA 1272+00 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 145	E

2

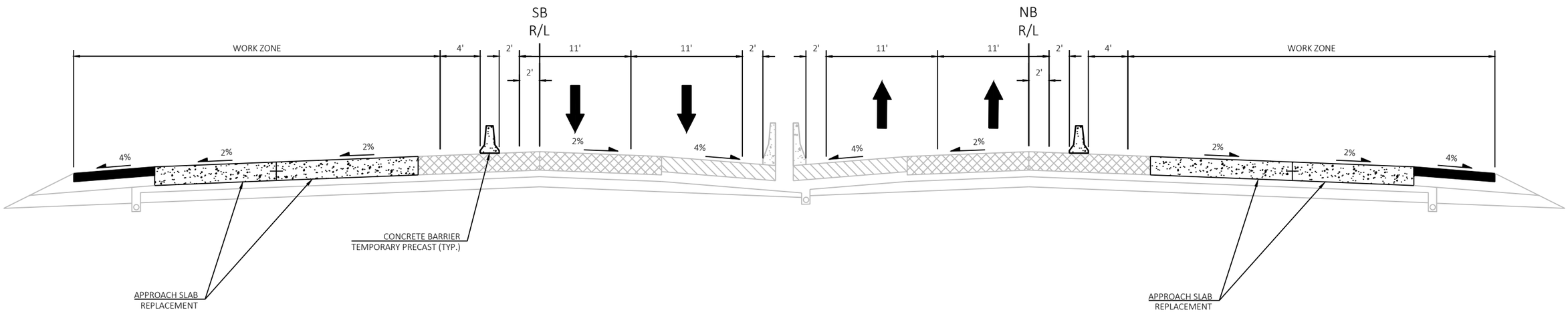


STAGE 4A TYPICAL SECTION - FULL TIME LANE CLOSURE*
SOUTH & NORTH SEGMENTS

STA 1119+00 TO STA 1135+09 SB
STA 1152+86 TO STA 1216+30 SB
STA 1301+96 TO STA 1332+00 SB

STA 1119+00 TO STA 1142+02 NB
STA 1151+33 TO STA 1179+03 NB
STA 1202+88 TO STA 1266+04 NB

* DAYTIME LANE CONFIGURATION SHOWN. NIGHTLY LANE CLOSURE ALLOWED TO COMPLETE WORK AS NECESSARY.



STAGE 4A TYPICAL SECTION - FULL TIME LANE CLOSURE
SOUTH & NORTH SEGMENTS

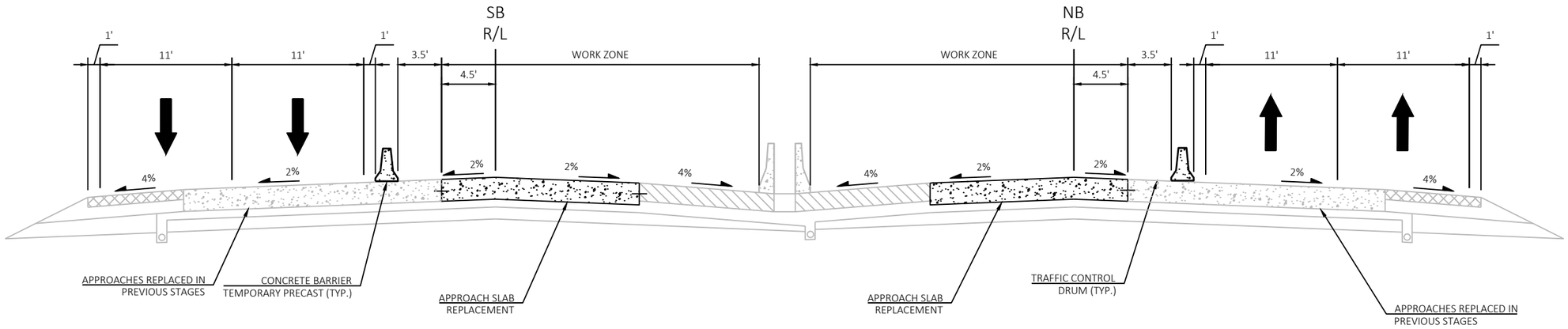
STA 1135+09 TO 1152+86 SB
STA 1216+30 TO 1301+96 SB

STA 1142+02 TO STA 1151+33 NB
STA 1179+03 TO STA 1202+88 NB
STA 1266+04 TO STA 1332+00 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 146	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025004a-ts
PLOT DATE : 7/10/2023 1:15 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

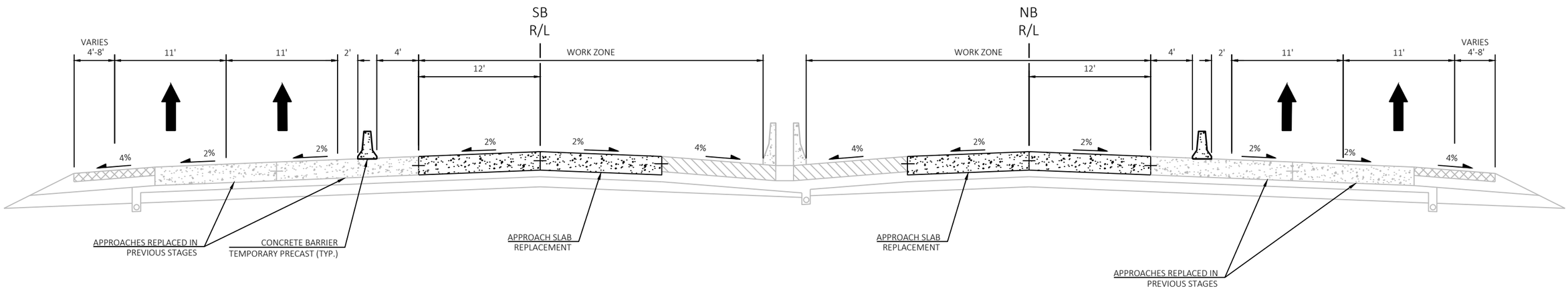


STAGE 4B TYPICAL SECTION - FULL TIME LANE CLOSURE*
SOUTH & NORTH SEGMENTS

STA 1119+00 TO STA 1135+09 SB
STA 1152+86 TO STA 1216+30 SB
STA 1301+96 TO STA 1332+00 SB

STA 1119+00 TO STA 1142+02 NB
STA 1151+33 TO STA 1179+03 NB
STA 1202+88 TO STA 1266+04 NB

* DAYTIME LANE CONFIGURATION SHOWN. NIGHTLY LANE CLOSURE ALLOWED TO COMPLETE WORK AS NECESSARY.



STAGE 4B TYPICAL SECTION - FULL TIME LANE CLOSURE
SOUTH & NORTH SEGEMENTS

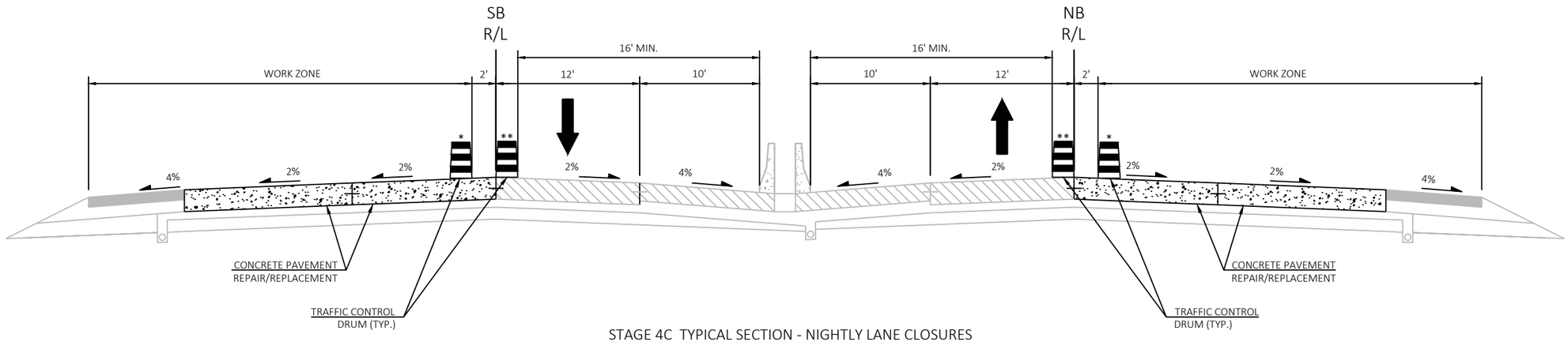
STA 1135+09 TO 1152+86 SB
STA 1216+30 TO 1301+96 SB

STA 1142+02 TO STA 1151+33 NB
STA 1179+03 TO STA 1202+88 NB
STA 1266+04 TO STA 1332+00 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 147	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025004b-ts
PLOT DATE : 7/10/2023 1:15 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

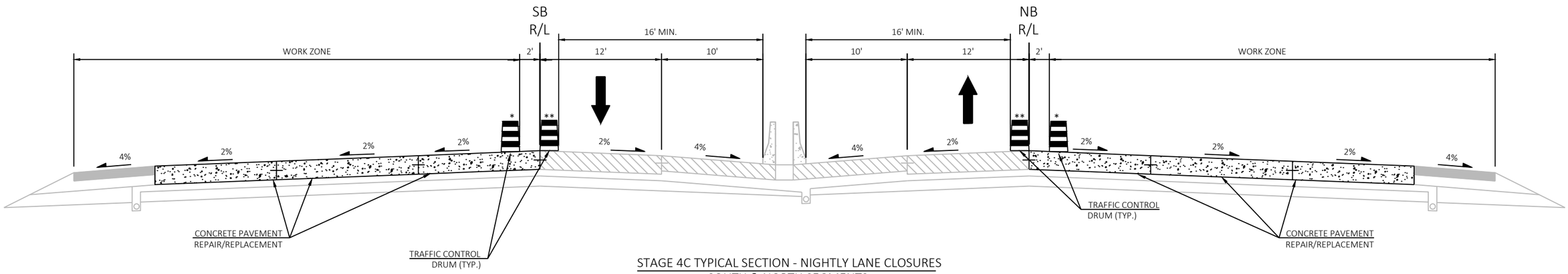


STAGE 4C TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH & NORTH SEGMENTS

STA 1119+00 TO STA 1135+09 SB
STA 1152+86 TO STA 1216+30 SB
STA 1301+96 TO STA 1332+00 SB
STA 1493+00 TO STA 1504+92 SB
STA 1520+67 TO STA 1536+77 SB

STA 1119+00 TO STA 1142+02 NB
STA 1151+33 TO STA 1179+03 NB
STA 1202+88 TO STA 1266+04 NB
STA 1493+00 TO STA 1510+84 NB
STA 1520+67 TO STA 1536+89 NB

* NORMAL TRAFFIC CONTROL DRUM POSITION
** TRAFFIC CONTROL DRUM POSITION ADJACENT TO ACTIVE WORK OPERATION. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATION.



STAGE 4C TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH & NORTH SEGMENTS

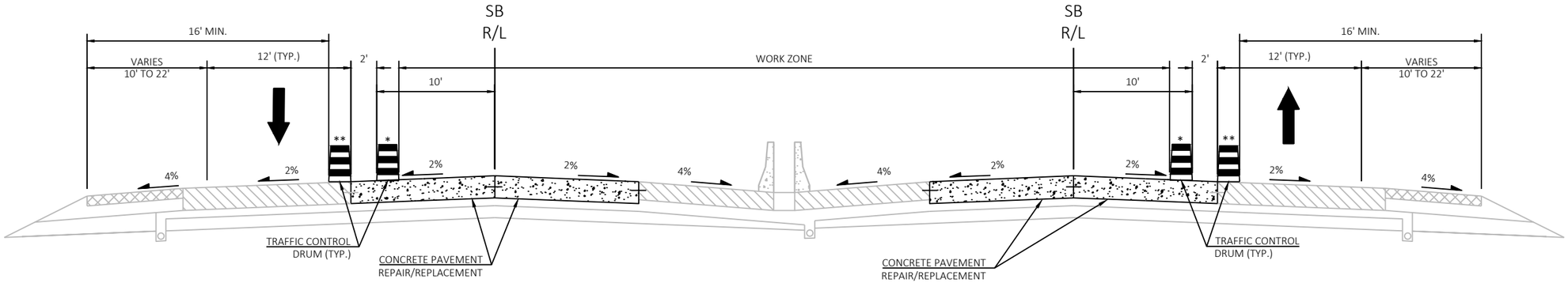
STA 1135+09 TO 1152+86 SB
STA 1216+30 TO 1301+96 SB

STA 1142+02 TO STA 1151+33 NB
STA 1179+03 TO STA 1202+88 NB
STA 1266+04 TO STA 1332+00 NB
STA 1510+84 TO STA 1522+23 NB

* NORMAL TRAFFIC CONTROL DRUM POSITION
** TRAFFIC CONTROL DRUM POSITION ADJACENT TO ACTIVE WORK OPERATION. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATION.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 148	E

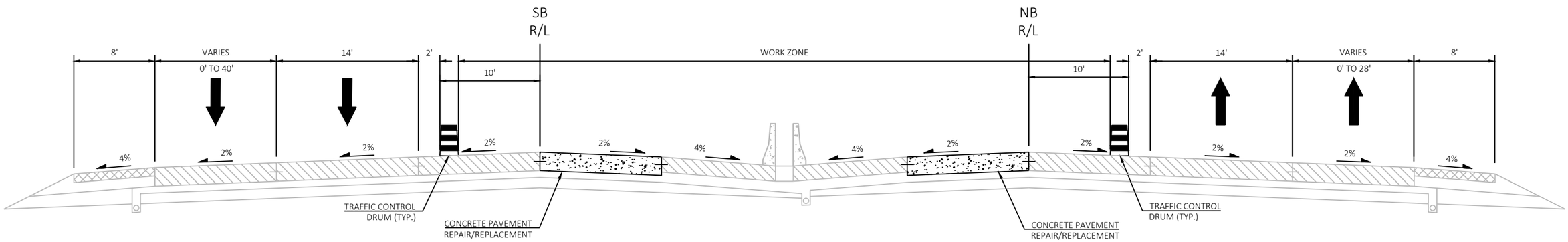
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025004c-ts
PLOT DATE : 7/10/2023 1:15 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STAGE 4D TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH & NORTH SEGEMENTS

STA 1119+00 TO STA 1135+09 SB	STA 1119+00 TO STA 1142+02 NB
STA 1152+86 TO STA 1216+30 SB	STA 1151+33 TO STA 1179+03 NB
STA 1301+96 TO STA 1332+00 SB	STA 1202+88 TO STA 1266+04 NB
STA 1493+00 TO STA 1504+92 SB	STA 1493+00 TO STA 1510+84 NB
STA 1520+67 TO STA 1536+77 SB	STA 1520+67 TO STA 1536+89 NB

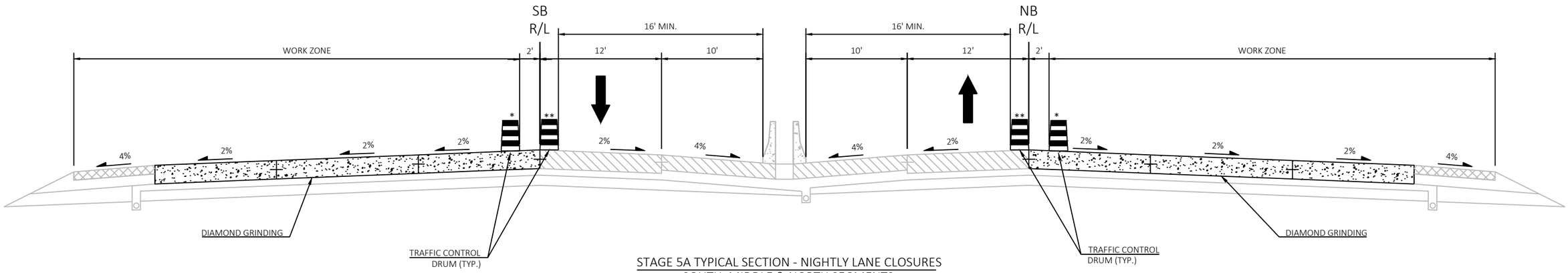
* NORMAL TRAFFIC CONTROL DRUM POSITION
** TRAFFIC CONTROL DRUM POSITION ADJACENT TO ACTIVE WORK OPERATION. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATION.



STAGE 4D TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH & NORTH SEGMENTS

STA 1135+09 TO 1152+86 SB	STA 1142+02 TO STA 1151+33 NB
STA 1216+30 TO 1301+96 SB	STA 1179+03 TO STA 1202+88 NB
STA 1504+92 TO 1520+67 SB	STA 1266+04 TO STA 1332+00 NB
	STA 1510+84 TO STA 1522+23 NB

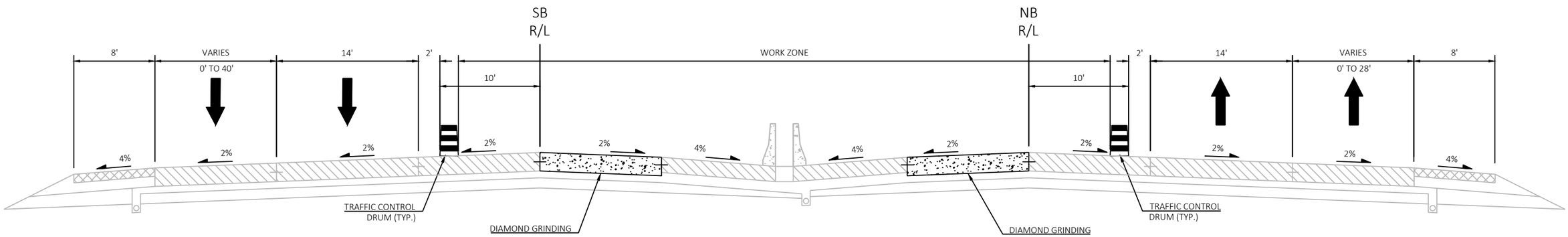
2



STAGE 5A TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH, MIDDLE & NORTH SEGMENTS

STA 1119+00 TO 1536+77 SB STA 1119+00 TO STA 1536+89 NB

* NORMAL TRAFFIC CONTROL DRUM POSITION
** TRAFFIC CONTROL DRUM POSITION ADJACENT TO ACTIVE WORK OPERATION. TRAFFIC EXPECTED TO SHIFT ONTO SHOULDER TO BYPASS CONSTRUCTION OPERATION.

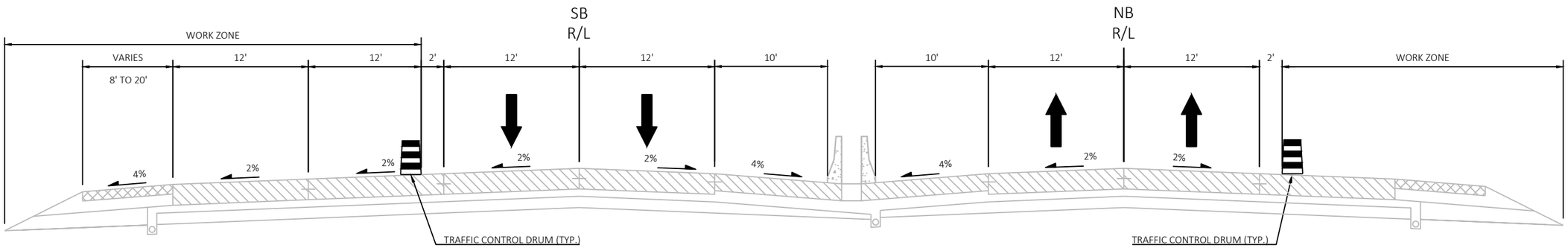


STAGE 5B TYPICAL SECTION - NIGHTLY LANE CLOSURES
SOUTH, MIDDLE & NORTH SEGMENTS

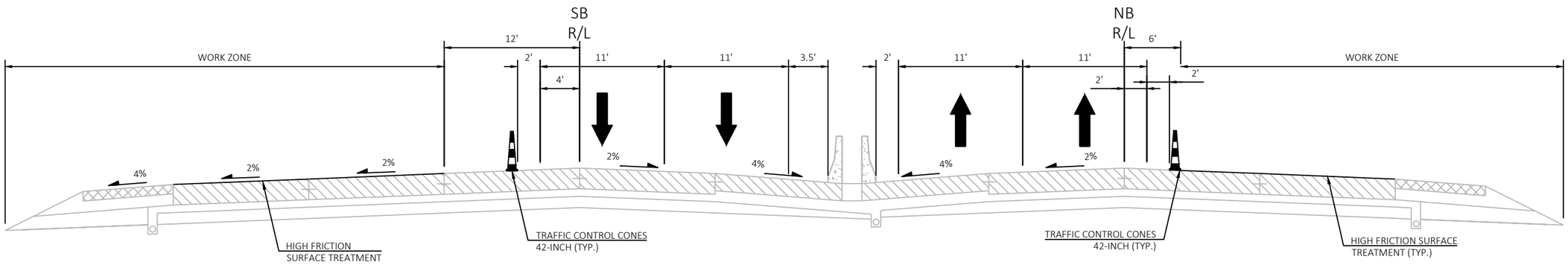
STA 1119+00 TO 1536+77 SB STA 1119+00 TO STA 1536+89 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 150	E

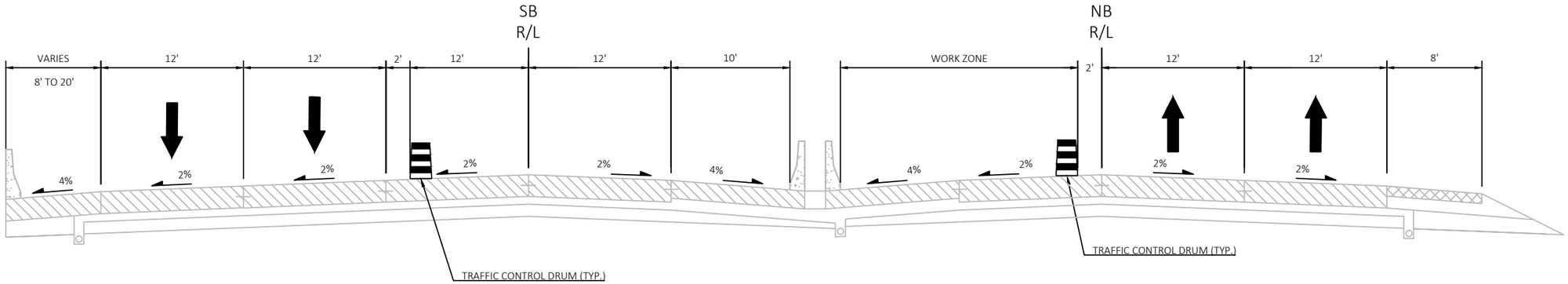
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025005ab-ts
PLOT DATE : 7/10/2023 1:15 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



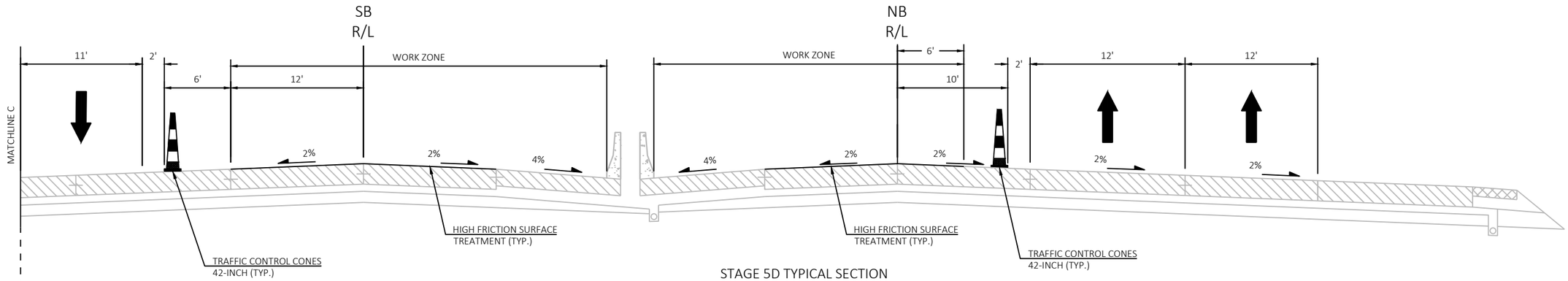
STAGE 5C TYPICAL SECTION
STA 1226+00 TO STA 1256+00 NB
STA 1278+74 TO STA 1310+00 SB



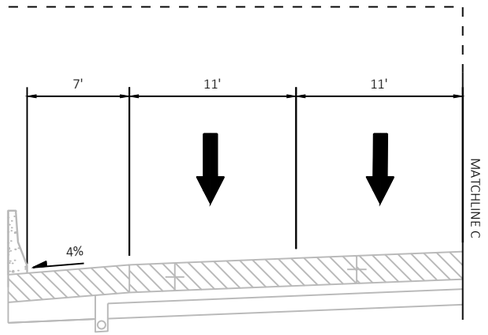
STAGE 5C TYPICAL SECTION
STA 1256+00 TO STA 1280+00 NB
STA 1259+25 TO STA 1278+77 SB



STAGE 5D TYPICAL SECTION
STA 1238+00 TO STA 1265+00 NB
STA 1280+20 TO STA 1314+00 SB



STAGE 5D TYPICAL SECTION
STA 1265+00 TO STA 1272+00 NB



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 152	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025005d-ts
PLOT DATE : 7/10/2023 1:15 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N

ROAD WORK 1 MILE W20-1F

RIGHT LANE CLOSED 1/2 MILE W20-5G

SPEED LIMIT 55 WO3-5 48"X48"

SPEED LIMIT 55 R2-1 48"X60"

W04-2R

RAMP MS-B

IH 41 SB

IH 41 NB

PCMS #1

PCMS *

PCMS #2

1210'SB'+00

1210'NB'+00

1215'SB'+00

1215'NB'+00

1220'SB'+00

1220'NB'+00

+40 'NB', 24.0' RT

MATCHLINE 1221+00 NB

7 MILES

500'

2600'

400'

700'

500'

1000'

50' TYP.

50' TYP.

6W

RAMP MS-A

MAIN ST.

SIGN

CEMETERY

SIGN

SIGN

INL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 153	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026101-s3b

PLOT DATE : 7/27/2023 8:06 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

CEMETERY
CTH O
SIGN
POOL
MH
BERM
IH 41 SB
IH 41 NB
1225'SB'+00
1230'SB'+00
1235'SB'+00
1225'NB'+00
1230'NB'+00
1235'NB'+00
MATCHLINE 1221+00 NB
MATCHLINE 1236+00 NB
MRL
6W
50'
TYP.
100'
TYP.
25'
TYP.
+00 'NB', 12.0' RT
LANE CLOSED
R11-2L
48"X30"
RIDGEWAY RD
A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 154	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026102-s3b

PLOT DATE : 7/10/2023 1:39 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

GLENVIEW DR.

BERM

RAMP 'II-A'

RAMP 'II-B'

IH 41 SB

IH 41 NB

MATCHLINE 1236+00 NB

MATCHLINE 1251+00 NB

1240'SB'+00

1245'SB'+00

1250'SB'+00

1240'NB'+00

1245'NB'+00

1250'NB'+00

+20 'NB', 12.0' RT

+20 'NB', 24.0' RT

6W

25' TYP.

200'

MRL

+00 'NB', 12.0' RT

10W

+86 'NB', 12.0' RT

+00 'NB', 28.6' RT

W01-4BL

LANE CLOSED
R11-2L
48"X30"

EXIT
E5-1
48"X48"

CEMETERY

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 155	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026103-s3b

PLOT DATE : 7/27/2023 8:11 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND CLOSURE THROUGH FULL LENGTH OF TURN LANE ON EASTBOUND CTH II

RAMP 'II-A'
MATCHLINE 1251+00 NB
IH 41 SB
IH 41 NB
1255'SB'+00
1255'NB'+00
+52 'NB', 12.0' LT
+24 'NB', 0.0'
+97 'NB', 12.0' RT
+71 'NB', 20.0' LT
+72 'NB', 9.0' LT
+72 'NB', 2.0' RT
6Y
6W
6WT
45 MPH
WO13-1 36"X36"
WO1-6 48"X24"
LANE CLOSED R11-2L 48"X30"
END ROAD WORK G20-2A 48"X24"
RAMP 'II-B'
RAMP CLOSED R11-2R 48"X30"
CTH II
25' TYP.
R3-1
GREEN BAY RD
RIPRAP
SIGN
CANOPY
RAMP 'II-D'
PCMS
1260'SB'+00
1260'NB'+00
+65 'SB', 12.0' LT
+93 'SB', 0.0'
+21 'SB', 12.0' RT
+00 'SB', 3.5' LT
+00 'SB', 7.5' RT
+00 'SB', 18.5' RT
RAMP CLOSED R11-2R 48"X30"
25' L
1265'SB'+00
1265'NB'+00
100' TYP.
MRL
8:1
RAMP 'II-C'
STAY IN LANE R4-9 48"X60"
+60 'NB', 22.4' RT
+00 'NB', 5.0' RT
2' TO BARRIER FACE
MATCHLINE 1266+00 NB
WO5-52R 18"X54"
ROAD CLOSED R11-2 48"X30"
GREEN BAY ROAD
WCL RR
**PLACE AT EHLERS RD

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 156	E

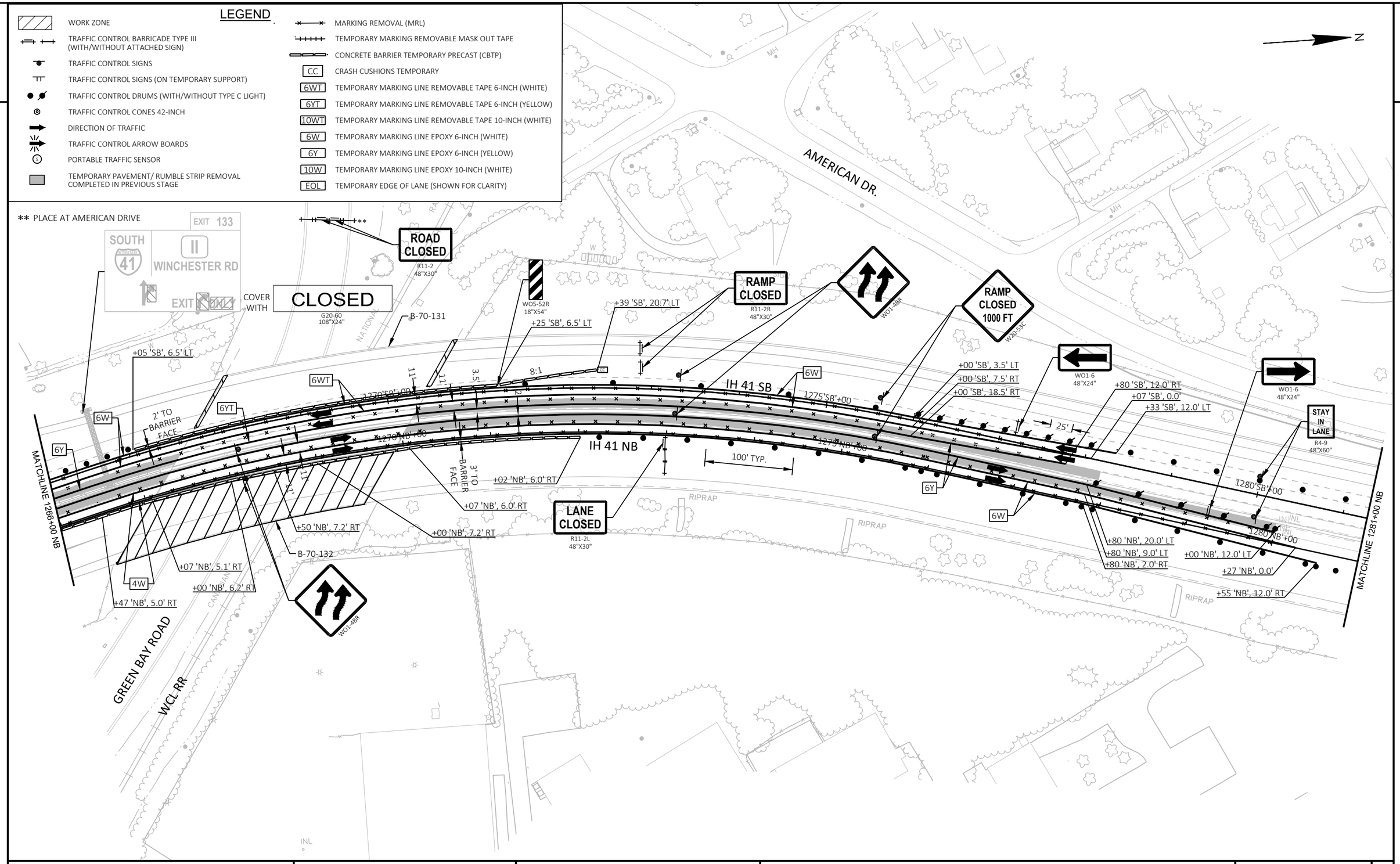
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026104-s3b
PLOT DATE : 7/27/2023 8:15 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

** PLACE AT AMERICAN DRIVE



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 157	E

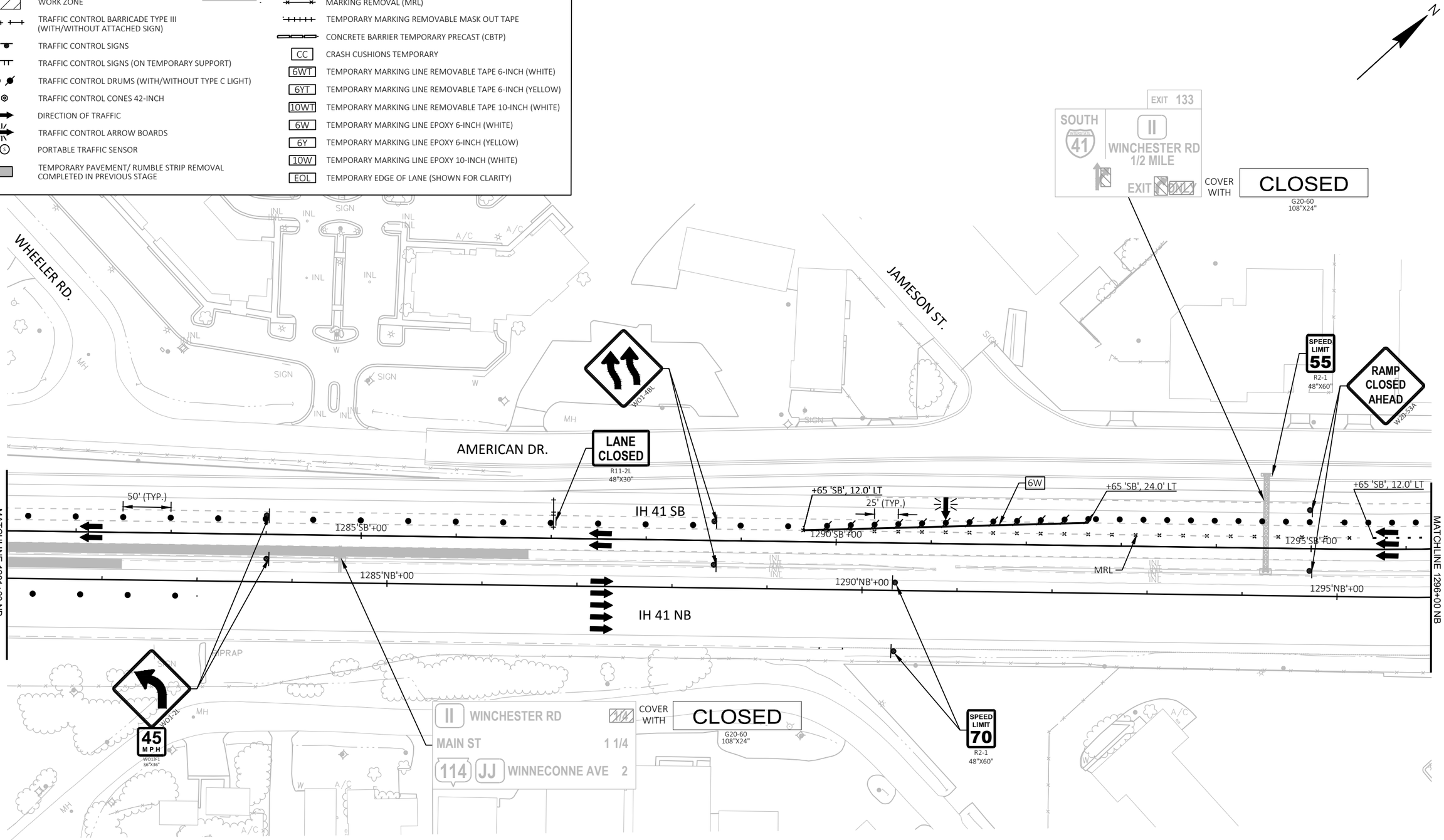
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026105-s3b
PLOT DATE : 8/23/2023 9:57 AM PLOT BY : SCHMIDT, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 158	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026106-s3b

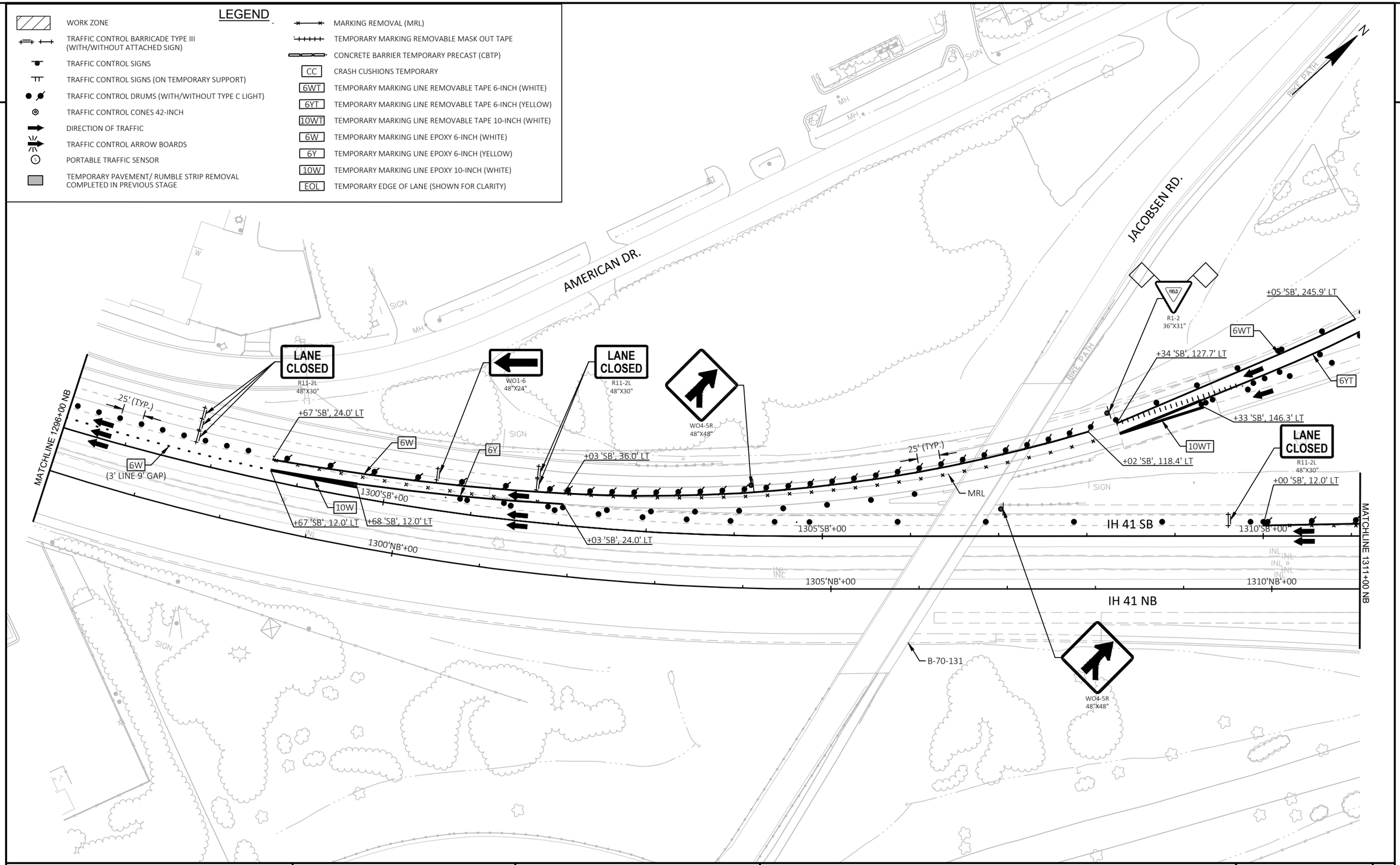
PLOT DATE : 7/27/2023 8:18 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



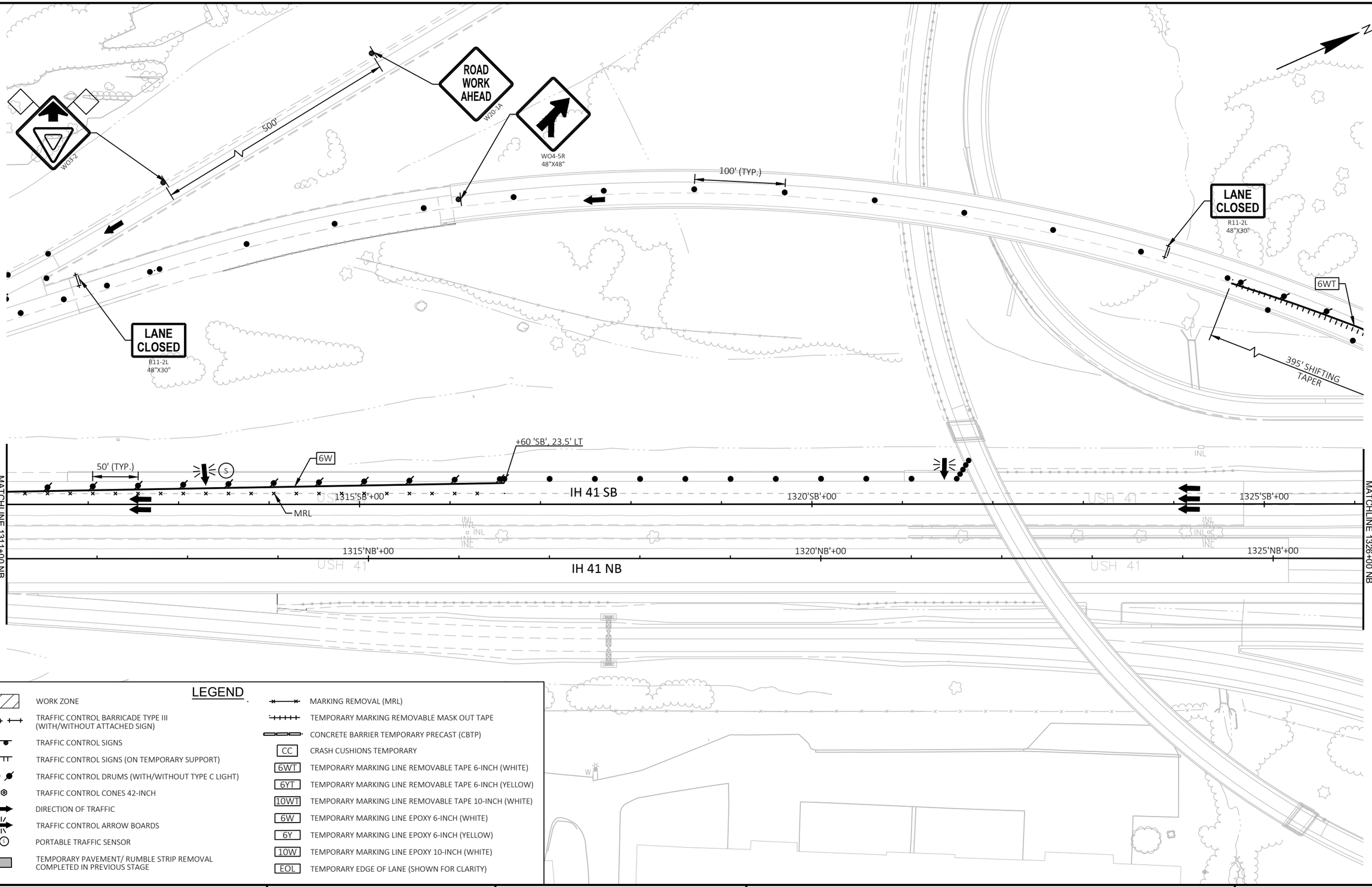
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 159	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026107-s3b

PLOT DATE : 7/10/2023 1:44 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

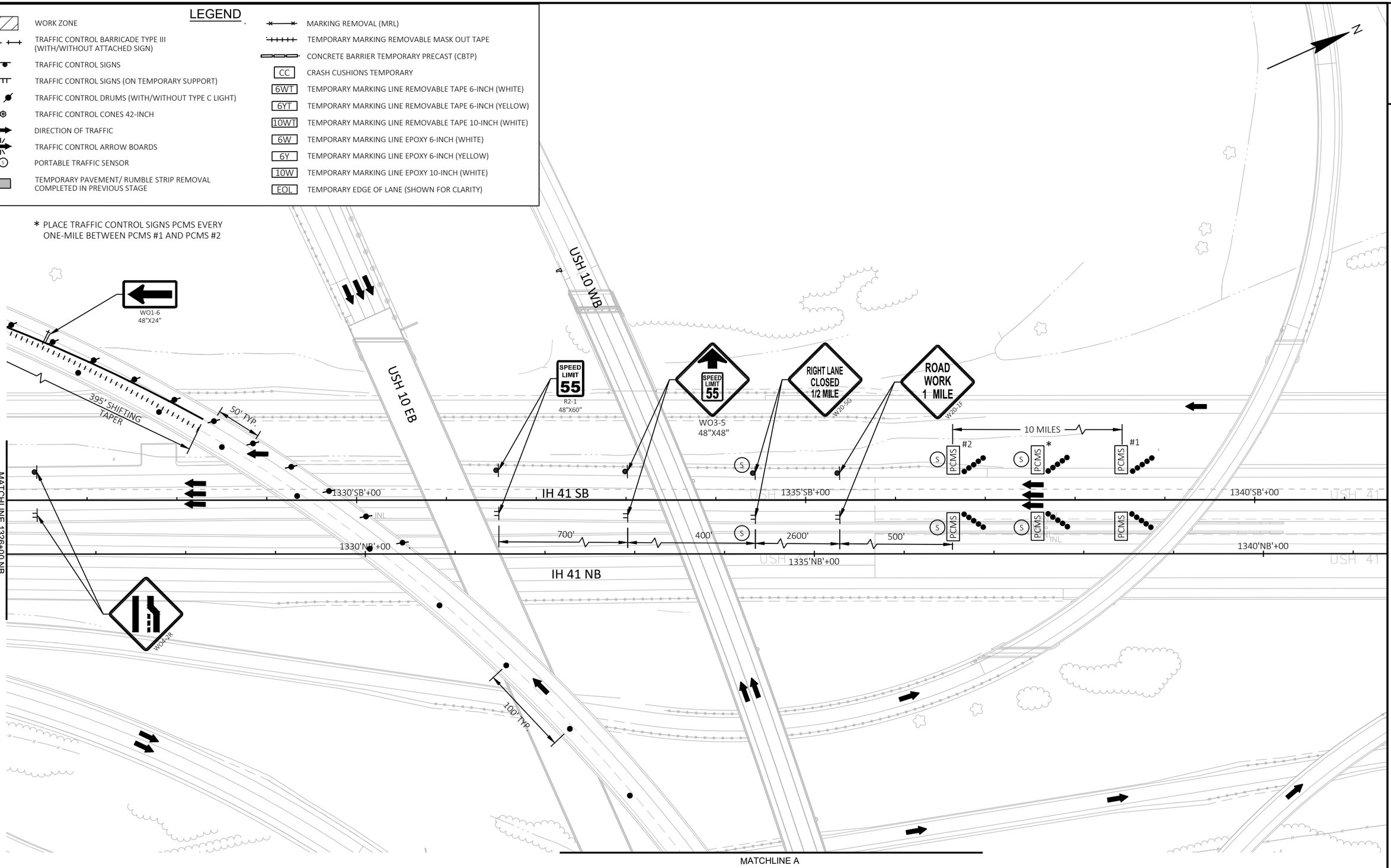
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 160	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 161	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026109-s3b

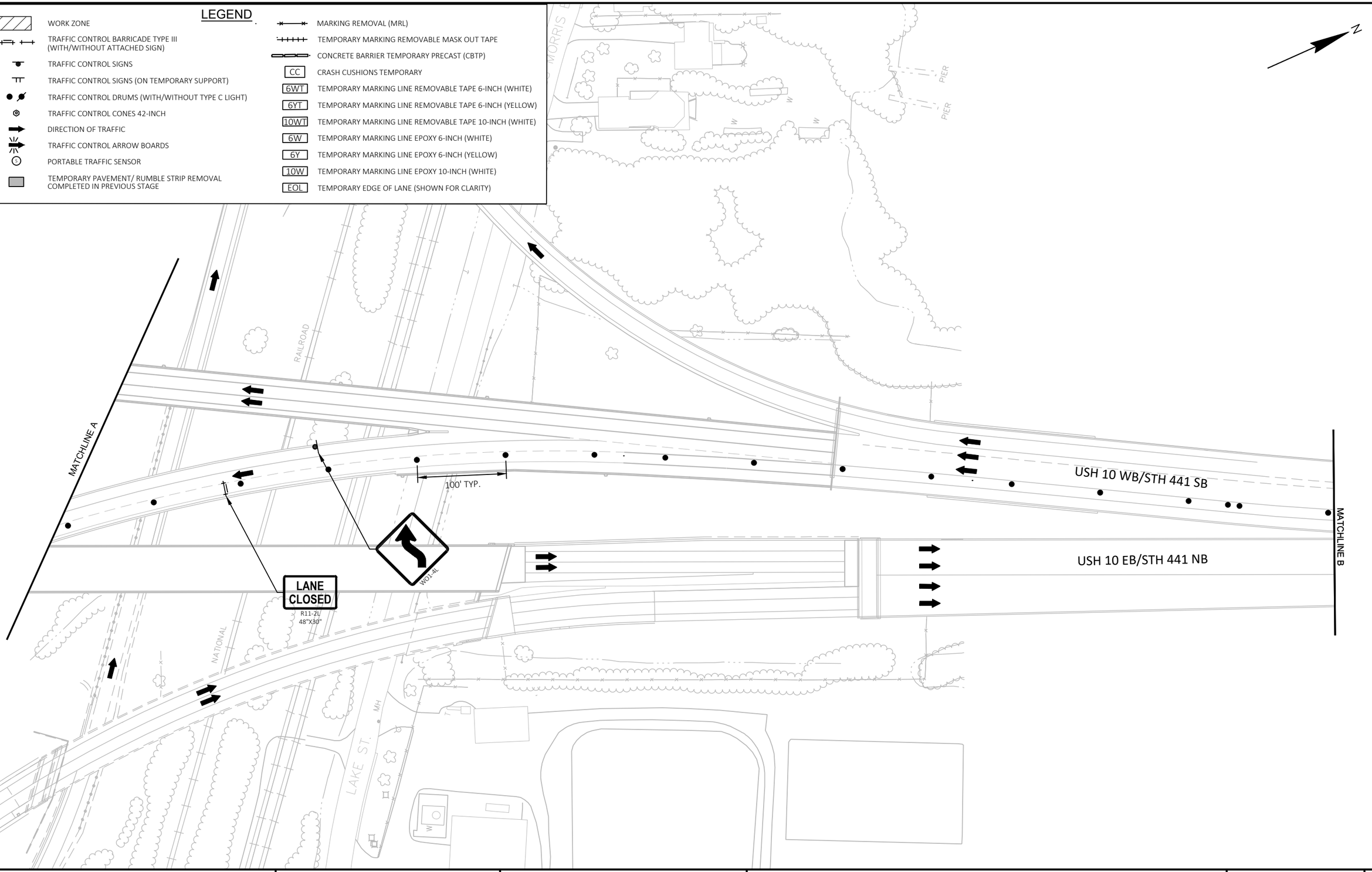
PLOT DATE : 7/27/2023 8:25 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 162	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026110-s3b

PLOT DATE : 7/10/2023 1:47 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

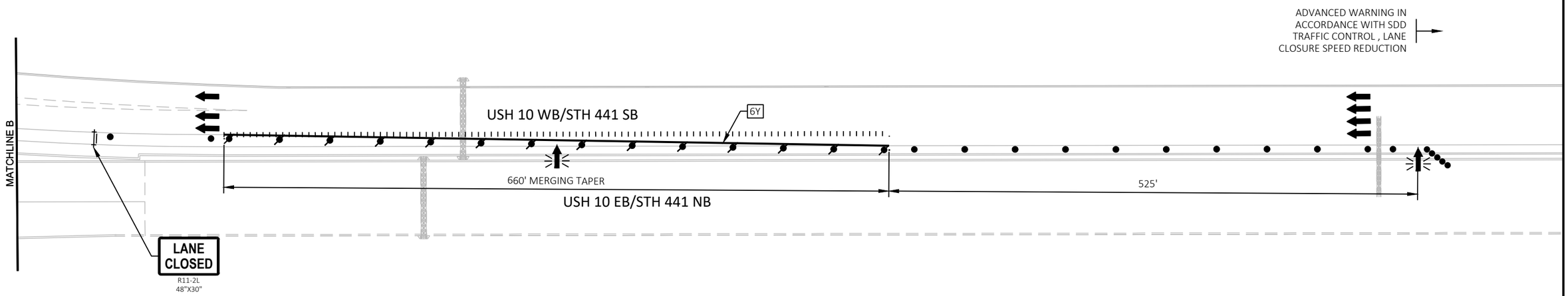
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3B	SHEET 163	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B.DWG
LAYOUT NAME - 026111-s3b

PLOT DATE : 7/10/2023 1:48 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

2

NOTES:

- INSTALL TRAFFIC CONTROL SIGNS PCMS ON RAMP II-C SEVEN CALENDAR DAYS BEFORE CLOSING RAMP

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

N

USH 10 WB
USH 10 EB

USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB

1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
1240

CTH CB

RAMP II-C (CLOSED)

PCMS

CTH II

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO6-1 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO5-1R 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO6-1 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO5-1R 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO6-1 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO5-1L 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / RAMP CLOSED AHEAD W20-53A

TO NORTH INTERSTATE 41 — M03-1 24"X12" / M1-51 24"X24" / RAMP CLOSED AHEAD W20-53A

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO6-1 21"X21"

TO SOUTH INTERSTATE 41 COUNTY II TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / MO6-1 21"X21" / COVER WITH MO6-1 21"X21"

TO NORTH INTERSTATE 41 — M04-5 24"X12" / M3-1 24"X12" / M1-51 24"X24" / COVER WITH A4-12 17-1/2"X17-1/2"

INTERSTATE 41 South — Milwaukee

INTERSTATE 41 North — Green Bay

INTERSTATE 41 NORTH — GREEN BAY

INTERSTATE 41 NORTH — GREEN BAY

INTERSTATE 41 SOUTH — MILWAUKEE

NORTH INTERSTATE 41 KEEP LEFT — SOUTH INTERSTATE 41 KEEP RIGHT

SOUTH INTERSTATE 41 KEEP LEFT — NORTH INTERSTATE 41 KEEP RIGHT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - RAMP II-C DETOUR	SHEET 164	E

2

NOTES:

- INSTALL TRAFFIC CONTROL SIGNS PCMS ON RAMP II-D SEVEN CALENDAR DAYS BEFORE CLOSING RAMP

USH 10 WB

USH 10 EB

CTH CB

CTH II

USH 10 WB/STH 441 SB

USH 10 EB/STH 441 NB

RAMP II-D (CLOSED)

FRAME 1	FRAME 2
HWY II RAMP CLOSED	USE EXIT 134 B

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

PCMS

500'

5280'

MO4-5 24"X12" / M1-55 24"X20" / MO6-1 21"X21"

MO4-5 24"X12" / M1-55 24"X20" / MO5-1L 21"X21"

MO4-5 36"X18" / M1-55 36"X36" / MO6-2 30"X30"

MO4-5 36"X18" / M1-55 36"X36" / MO5-2R 30"X30"

MO4-5 24"X12" / M1-55 24"X20"

MO4-5 36"X18" / M1-55 36"X36" / MO6-2 30"X30"

MO4-5 36"X18" / M1-55 36"X36" / MO5-2R 30"X30"

10 441 3/4
II WINCHESTER RD
MAIN ST 3 1/4

COVER WITH CLOSED
G20-60 108"X24"

BB PROSPECT AVE 1/4
10 441 2 1/4
II WINCHESTER RD

COVER WITH CLOSED
G20-60 108"X24"

IH 41 SB

IH 41 NB

S. WESTLAND DR.

N

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - RAMP II-D DETOUR	SHEET 165	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3B_II-D DETOUR.DWG
LAYOUT NAME - 026101_IID

PLOT DATE : 7/10/2023 1:51 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N

2

CEMETERY
CTH O
IH 41 SB
IH 41 NB
1225'SB'+00
1230'SB'+00
1235'SB'+00
1225
1230
1235
50' TYP.
+00 'NB', 12.0' RT
+88 'NB', 12.0' LT
6Y
PCMS
#1
*
#2
7 MILES
500'
2600'
400'
700'
500'
ROAD WORK 1 MILE
W20-1F
LEFT LANE CLOSED 1/2 MILE
W20-5G
SPEED LIMIT 55
WO3-5 48"X48"
WO4-2L
R2-1 48"X60"
POOL
MH
BERM
SIGN
RIDGEWAY RD
MATCHLINE 1236+00 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 166	E

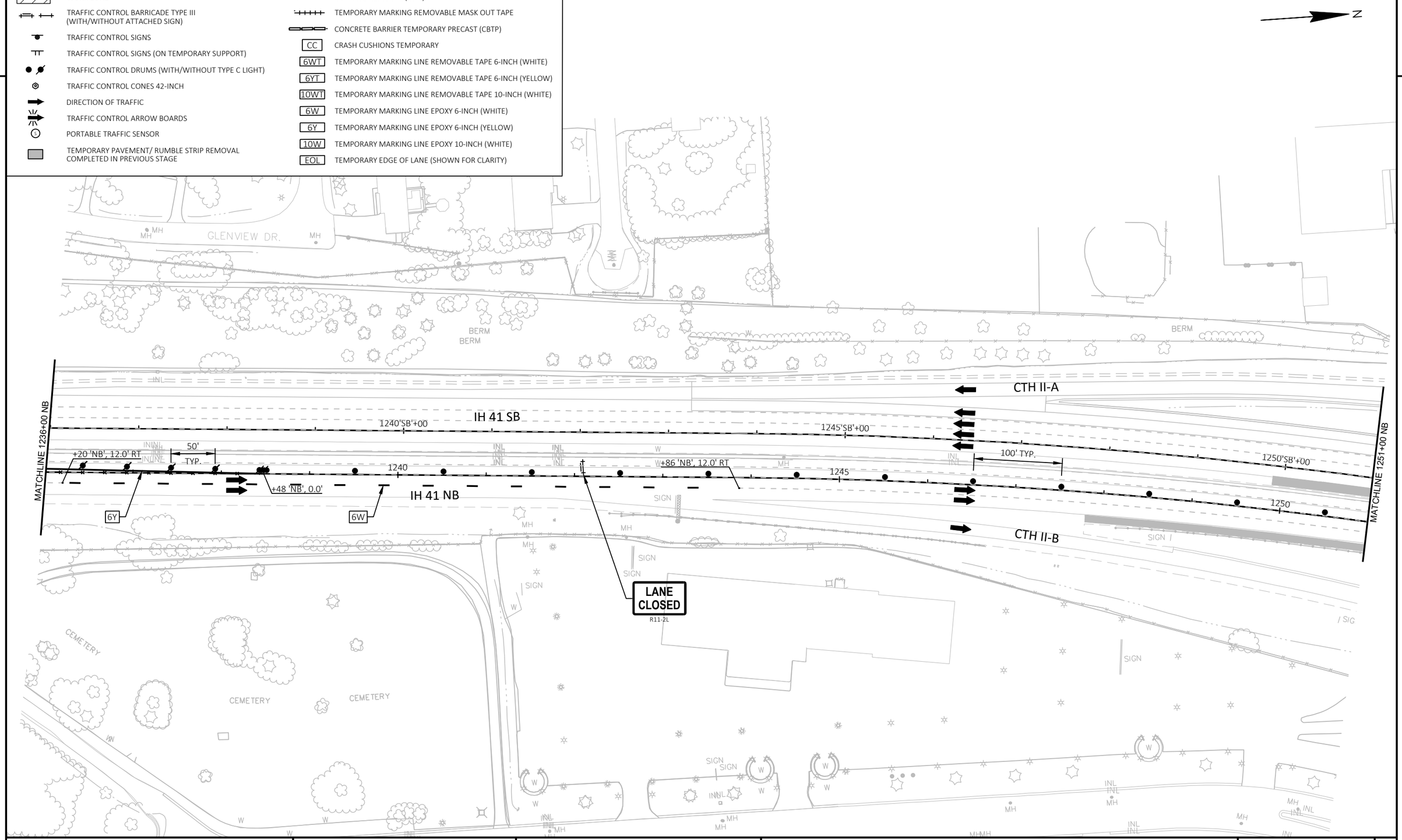
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026101-s3C

PLOT DATE : 7/27/2023 8:28 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 167	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026102-s3C

PLOT DATE : 7/11/2023 5:30 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND CLOSURE THROUGH FULL LENGTH OF TURN LANE ON EASTBOUND CTH II

RAMP 'II-A'
CTH II
IH 41 SB
100' TYP.
1255'SB'+00
MATCHLINE 1251+00 NB
LANE CLOSED
R11-2L
48"X30"
IH 41 NB
1255
WO1-4BR
R3-2
RAMP 'II-B'
END ROAD WORK
G20-2A
48"X24"
25' (TYP.)
LANE CLOSED
R11-2L
48"X30"
RAMP 'II-D'
6W
1260'SB'+00
1260
45 M.P.H.
WO13-1
36"X36"
WO1-2R
STAY IN LANE
R4-9
RAMP 'II-C'
RAMP CLOSED
R11-2R
48"X30"
+54 'NB', 0.0'
+54 'NB', 12.0' RT
+54 'NB', 24.0' RT
50' TYP.
6W
6Y
+25 'SB', 12.0' LT
+52 'SB', 24.0' LT
+79 'SB', 36.0' LT
WO1-6
48"X24"
+54 'SB', 35.0' LT
+55 'SB', 24.0' LT
+34 'SB', 45.2' LT
+83 'SB', 57.0' LT
+70 'SB', 46.0' LT
1265'SB'+00
+21 'NB', 4.0' LT
+00 'NB', 8.8' RT
8:1
1265
3' TO BARRIER FACE
MATCHLINE 1266+00 NB
WO5-52L
12"X36"
R3-1
25' (TYP.)
LANE CLOSED
R11-2L
48"X30"
GREEN BAY RD
ROAD CLOSED
R11-2
48"X30"
**PLACE AT EHLERS RD
GREEN BAY ROAD
WCL RR
RIPRAP
SIGN
CANOPY
A/C
INL
MH
W

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 168	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026103-s3C
PLOT DATE : 7/27/2023 8:31 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

** PLACE AT AMERICAN DRIVE

N

AMERICAN DR.

ROAD CLOSED
R11-2
48"X30"

WO5-52L
12"X36"

LANE CLOSED
R11-2L
48"X30"

WO1-48L

RIGHT LANE MUST EXIT
R3-33R
78"X36"

WO1-6
48"X24"

B-70-131

+39 'SB', 5.2' LT

+25 'SB', 19.5' LT

+08 'SB', 19.5' LT

+00 'SB', 57.0' LT
+00 'SB', 46.0' LT
+00 'SB', 35.0' LT
+00 'SB', 24.0' LT

+47 'SB', 48.0' LT
+75 'SB', 36.0' LT
+02 'SB', 24.0' LT

IH 41 SB

IH 41 NB

8:1

1270 SB +00

1275 SB +00

1280 SB +00

1270

1275

1280

50'

3.5' TO BARRIER FACE

MATCHLINE 1266+00 NB

MATCHLINE 1281+00 NB

+05 'NB', 15.5' RT

100' TYP.

RIPRAP

+12 'NB', 15.5' RT
+12 'NB', 19.5' RT
+12 'NB', 31.5' RT
+12 'NB', 43.5' RT

B-70-132

+80 'NB', 19.5' RT
+80 'NB', 31.5' RT
+80 'NB', 43.5' RT

+00 'NB', 12.0' RT
+00 'NB', 24.0' RT
+01 'NB', 36.0' RT

GREEN BAY ROAD

WCL RR

INL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 169	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026104-s3C

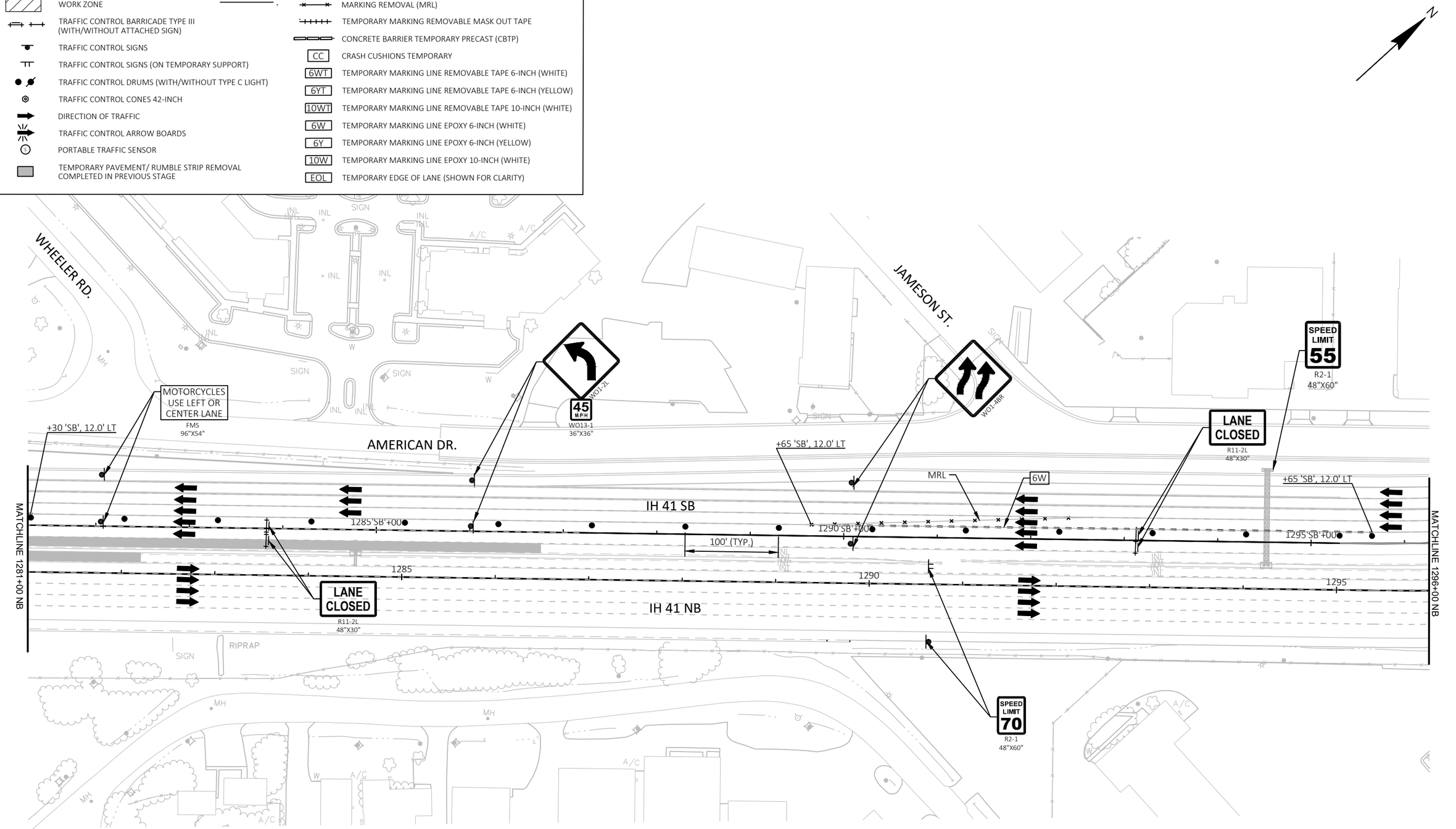
PLOT DATE : 7/11/2023 5:32 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 170	E

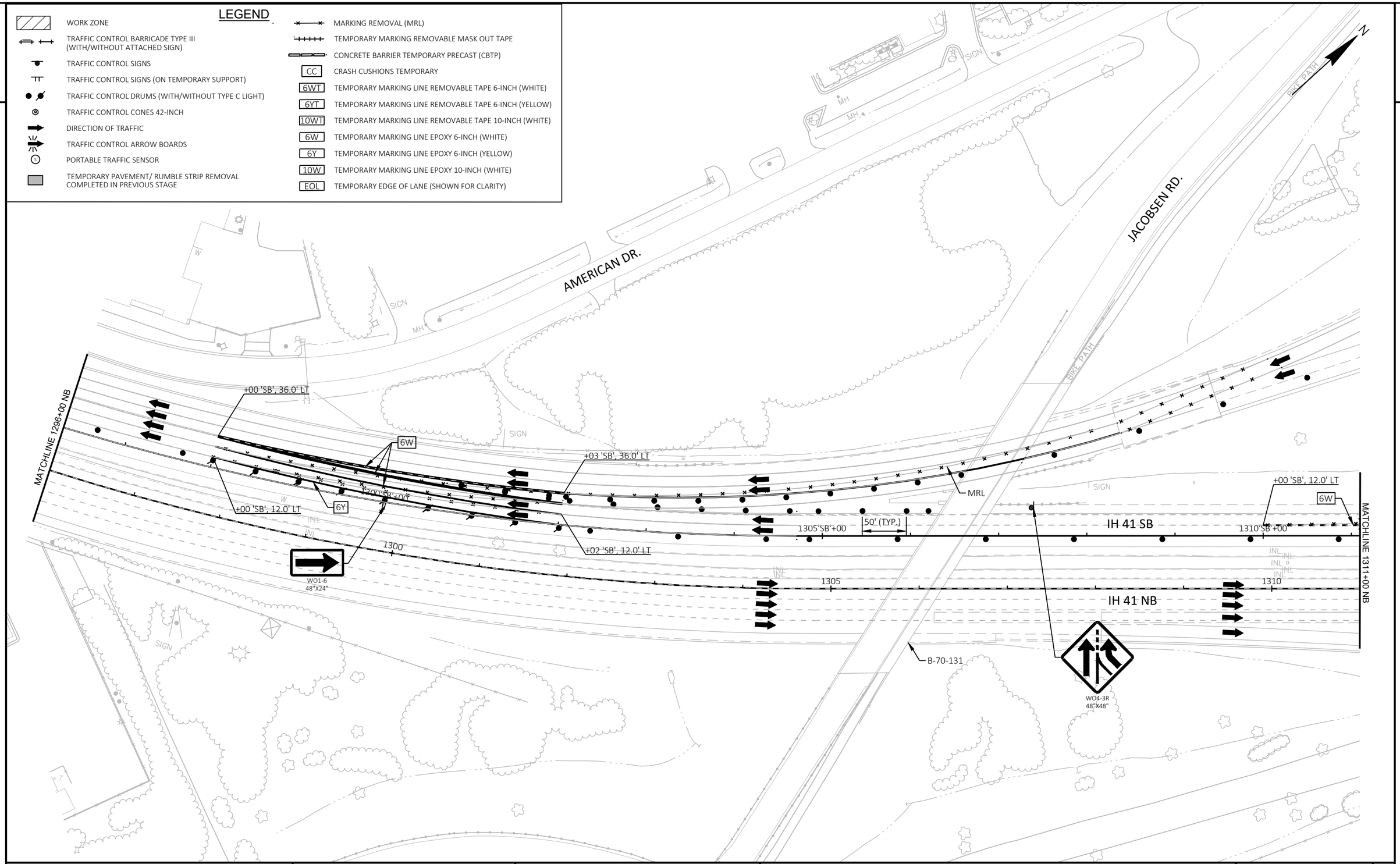
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026105-s3C

PLOT DATE : 7/27/2023 8:34 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

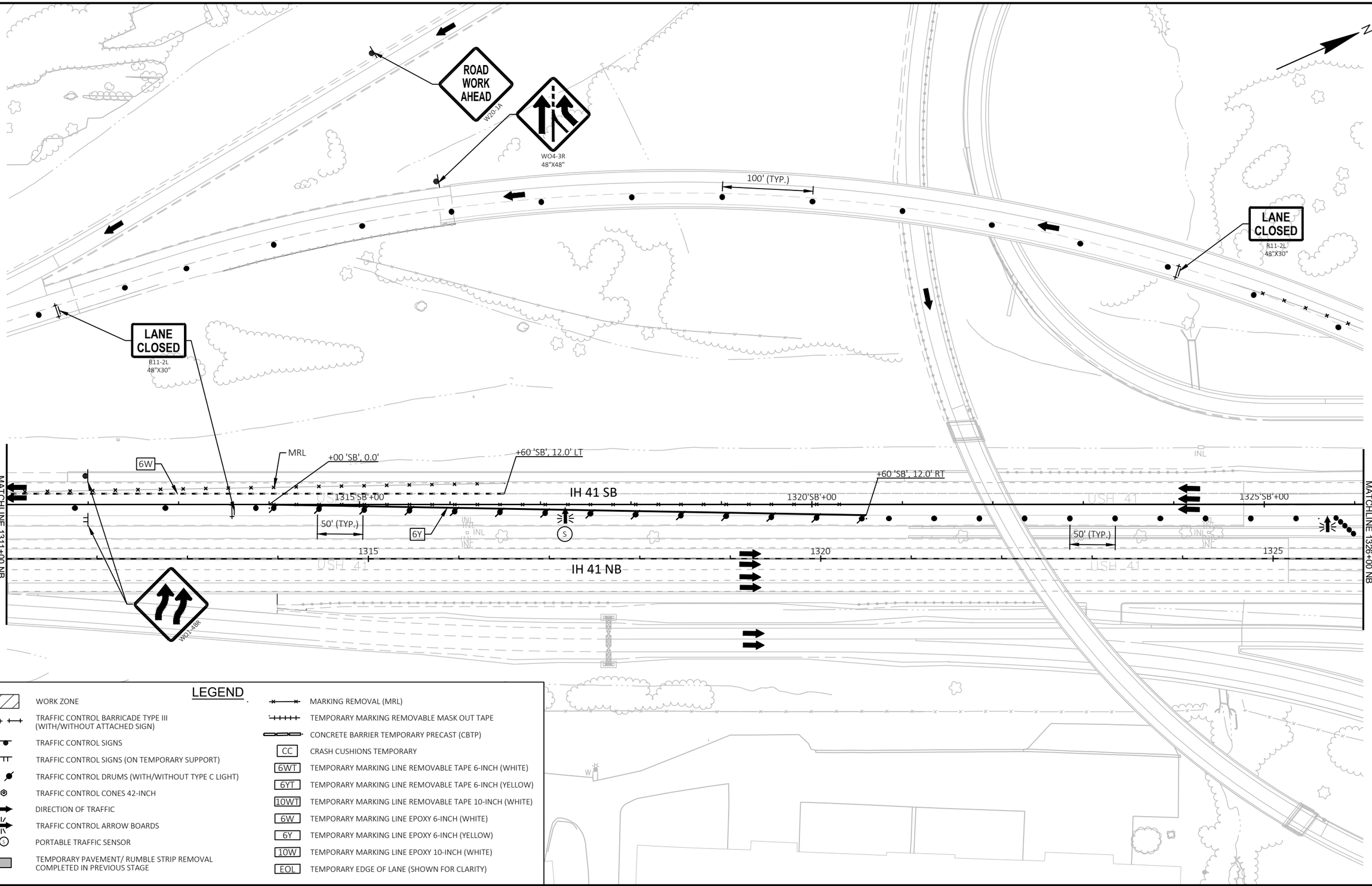
- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 171	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026106-s3C
PLOT DATE : 7/11/2023 5:34 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

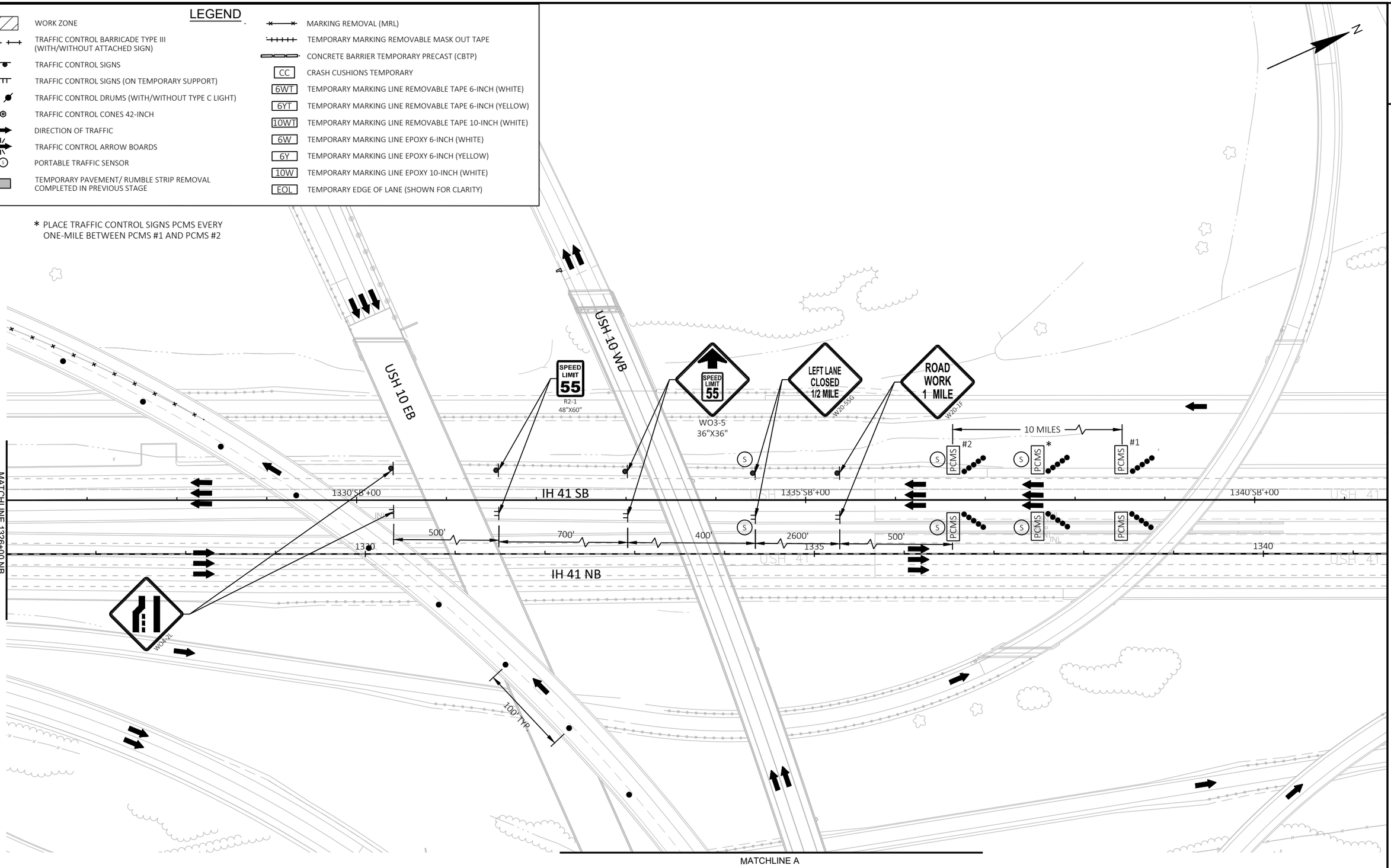
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 172	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



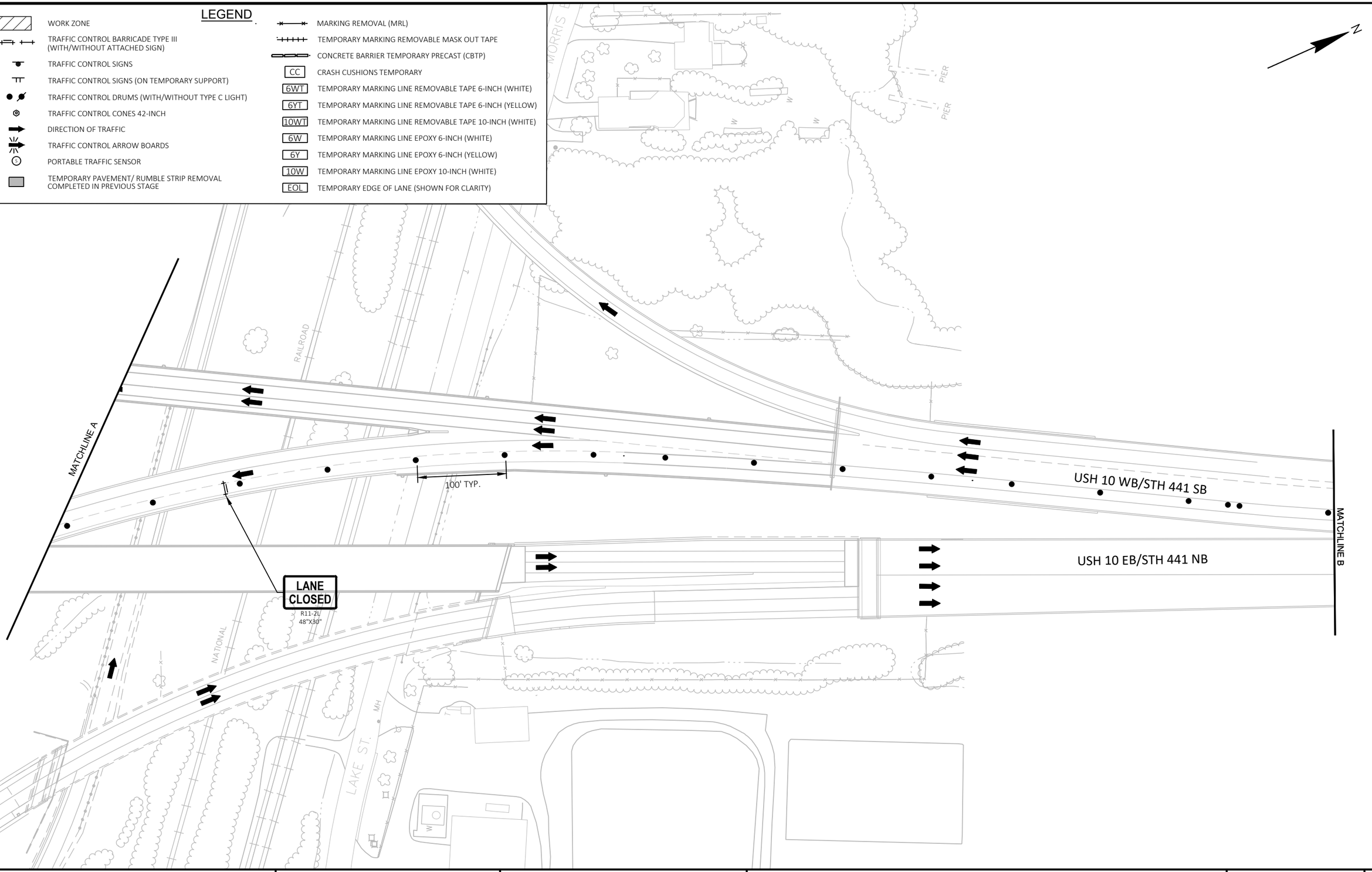
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 173	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026108-s3C
PLOT DATE : 7/27/2023 8:39 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 174	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026109-s3C

PLOT DATE : 7/11/2023 5:37 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

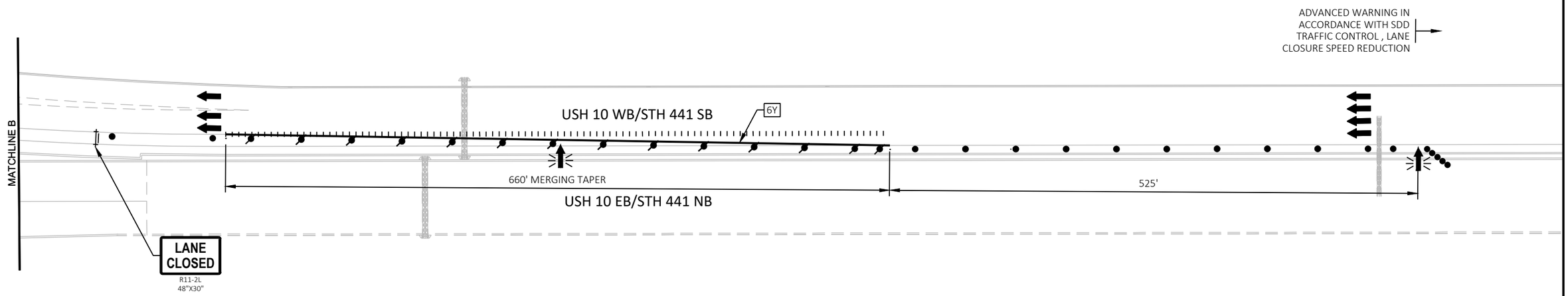
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 3C	SHEET 175	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S3C.DWG
LAYOUT NAME - 026110-s3C

PLOT DATE : 7/11/2023 5:37 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

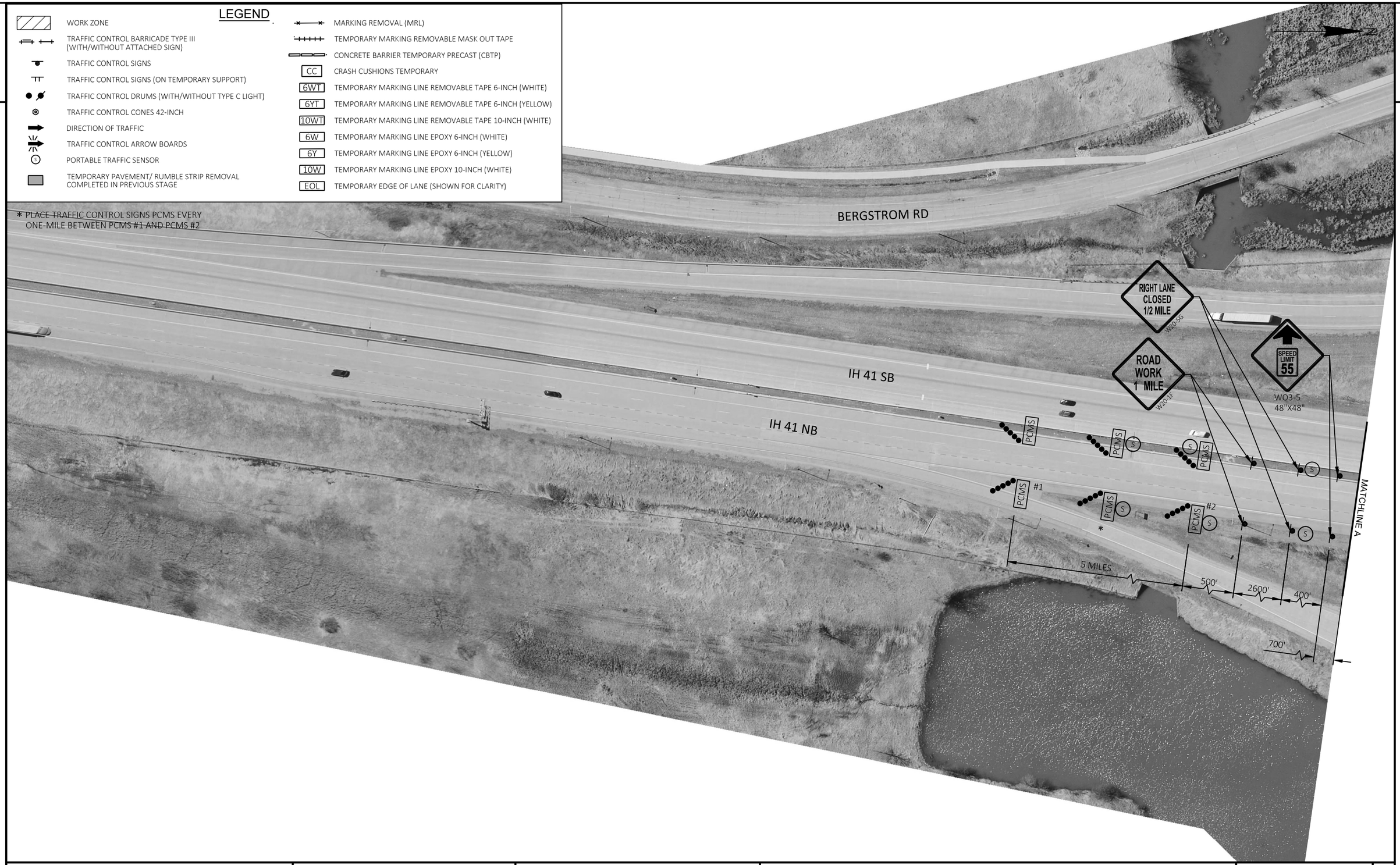
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 176	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026101-s4A

PLOT DATE : 7/27/2023 8:44 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

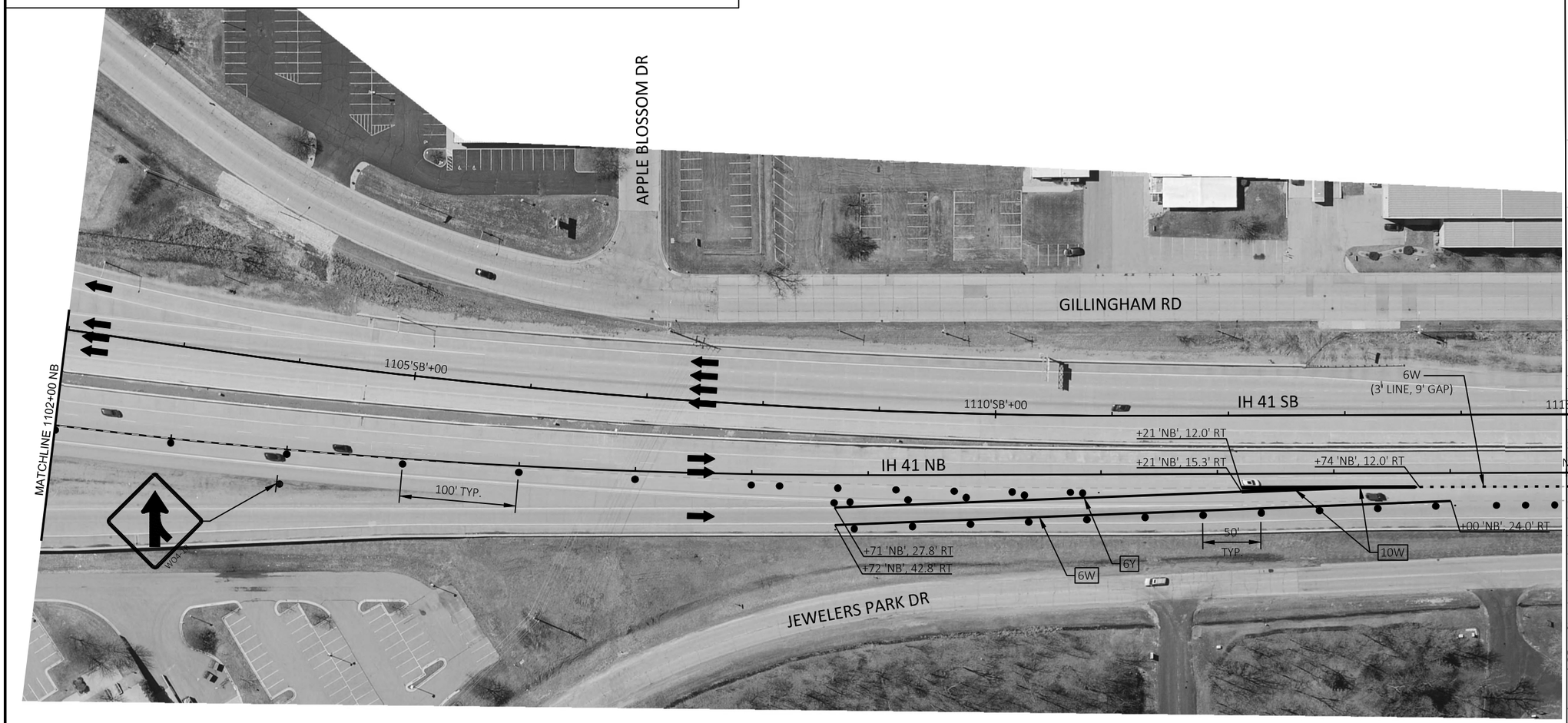


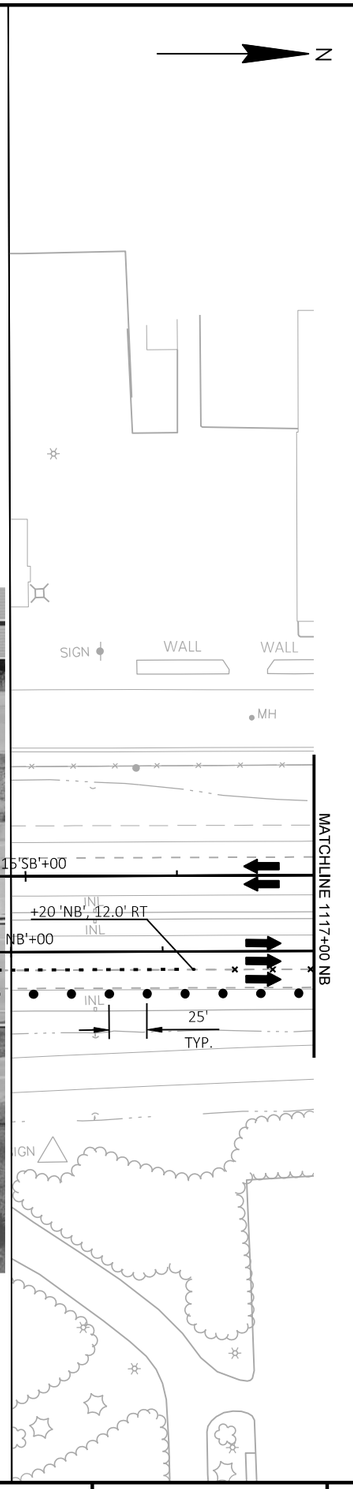
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 177	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)





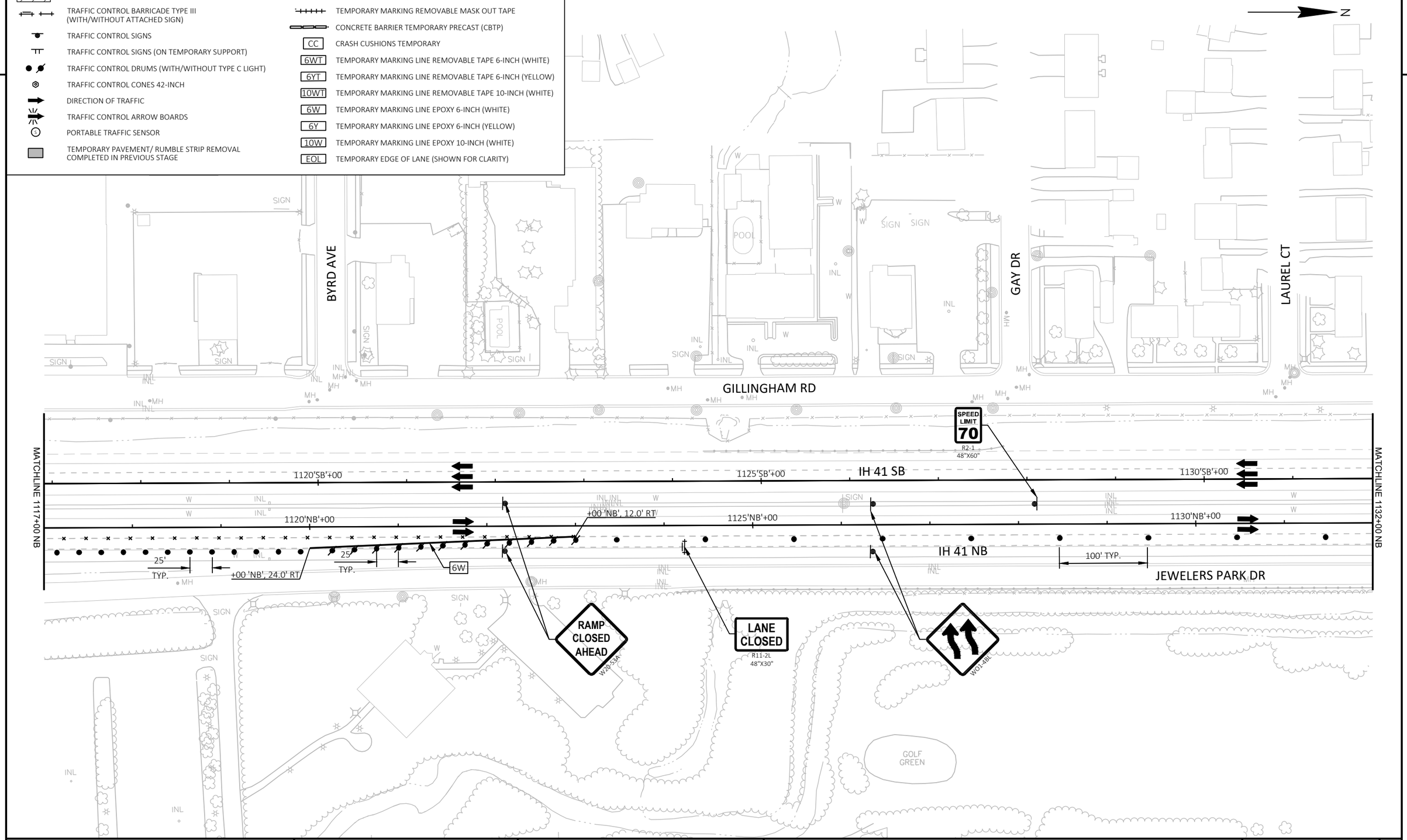
2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 178	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026101b-s4A
PLOT DATE : 7/25/2023 12:32 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



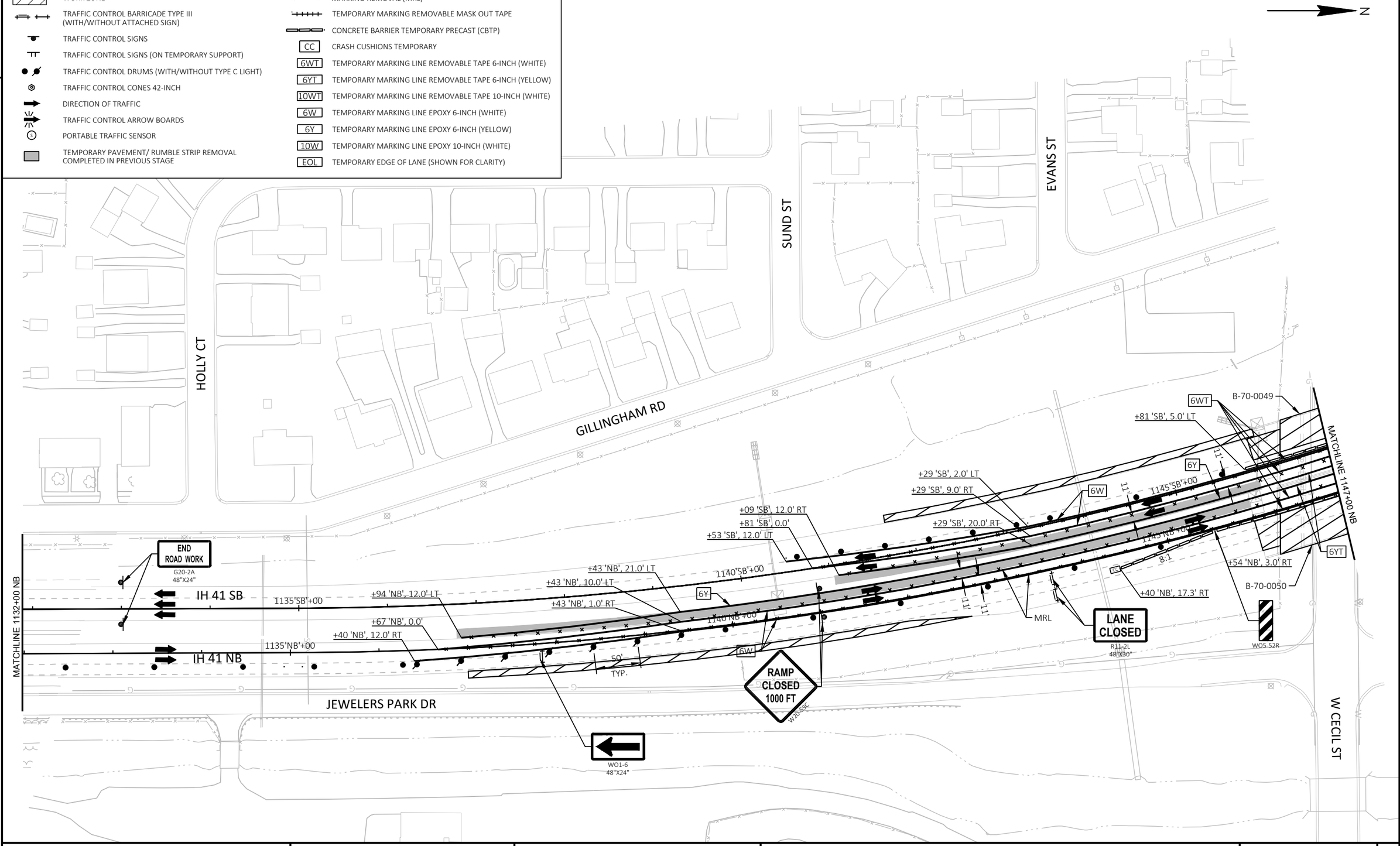
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 179	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026102-s4A

PLOT DATE : 7/10/2023 2:06 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 180	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026103-s4A

PLOT DATE : 7/10/2023 2:07 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

MELROSE ST

W CECIL ST

S. GREEN BAY RD

RAMP JJ-A

RAMP JJ-B

IH 41 SB

IH 41 NB

WO5-52R

WO1-4BR

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R

2' TO FACE OF CBTP

1' TO FACE OF CBTP

B-70-0049

B-70-0050

6YT

6WT

+52 'SB', 19.2' LT

+37 'SB', 5.0' LT

+06 'SB', 2.0' LT

+05 'SB', 9.0' RT

+05 'SB', 20.0' RT

+96 'NB', 3.0' RT

8:1

EOL

6W

6Y

1150 SB +00

1150 NB +00

1155 SB +00

1155 NB +00

1160 SB +00

1160 NB +00

MATCHLINE 1147+00 NB

MATCHLINE 1161+00 NB

11'

25'TYP.

100 TYP.

100' TYP.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 181	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026104-s4A

PLOT DATE : 7/10/2023 2:08 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

R3-1

RAMP CLOSED
R11-2R
48"X30"

RAMP JJ-A

LANE CLOSED
R11-2L
48"X30"

R3-2

END ROAD WORK
G20-2A
48"X24"

RAMP JJ-D

LANE CLOSED
R11-2L
48"X30"

+90 'SB', 1.0' LT
+90 'SB', 10.0' RT
+90 'SB', 21.0' RT
100 TYP.
11'
11'
11'
11'
6W
6Y
CC
8:1
6W
MATCHLINE 1161+00 NB
1165'SB'+00
1165'NB'+00
+41 'SB', 3.0' LT
1' TO FACE OF CBTP
6WT
+60 'SB', 3.0' LT
B-70-0123
6W
WO5-52R
+49 'SB', 14.1' LT
6Y
1170'SB'+00
IH 41 SB
1170'NB'+00
IH 41 NB
8:1
CC
LANE CLOSED
R11-2L
48"X30"
+56 'SB', 1.0' LT
+56 'SB', 10.0' RT
+56 'SB', 21.0' RT
100 TYP.
WO1-6
48"X24"
+16 'NB', 3.0' RT
B-70-0124
1' TO FACE OF CBTP
6YT
+36 'NB', 3.0' RT
WINNECONNE AVE
+86 'NB', 21.0' LT
+86 'NB', 10.0' LT
+86 'NB', 1.0' RT
6Y
6W
50' TYP.
+32 'NB', 12.0' LT
+60 'NB', 0.0'
+89 'NB', 12.0' RT
1175'SB'+00
1175'NB'+00
MATCHLINE 1176+00 NB
LANE CLOSED
R11-2L
48"X30"
WO4-3R
48"X48"
LANE CLOSED
R11-2L
48"X30"
+27 'NB', 14.1' RT
RAMP JJ-B
RAMP JJ-C
END ROAD WORK
G20-2A
48"X24"
LANE CLOSURE IN ACCORDANCE W/ SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 182	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026105-s4A
PLOT DATE : 7/10/2023 2:09 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

EXIT
E5-1
48"X48"

RAMP JJ-D

+05 'SB', 28.2' LT
+04 'SB', 12.0' LT
25' (TYP.)
10W
+03 'SB', 12.0' LT
1180'SB'+00
+59 'SB', 12.0' LT
+05 'SB', 12.0' RT
+32 'SB', 0.0'
MATCHLINE 1176+00 NB
IH 41 SB
1180'NB'+00
10W
IH 41 NB
RAMP JJ-C
+03 'NB', 27.2' RT
+04 'NB', 41.6' RT
50' (TYP.)
6Y
6W
1000'
+00 'NB', 12.0' RT
+01 'NB', 17.1' RT
+00 'NB', 12.0' RT
ROAD WORK AHEAD
W20-1A

+80 'SB', 23.8' LT
25' (TYP.)
6W
+80 'SB', 12.0' LT
1185'SB'+00
1185'NB'+00
50' (TYP.)
+00 'NB', 24.0' RT
LANE CLOSED
R11-2L
48"X30"

W01-4BL
100' (TYP.)
1190'SB'+00
1190'NB'+00
MATCHLINE 1191+00 NB
100' (TYP.)
SPEED LIMIT 55
R2-1
48"X60"

2

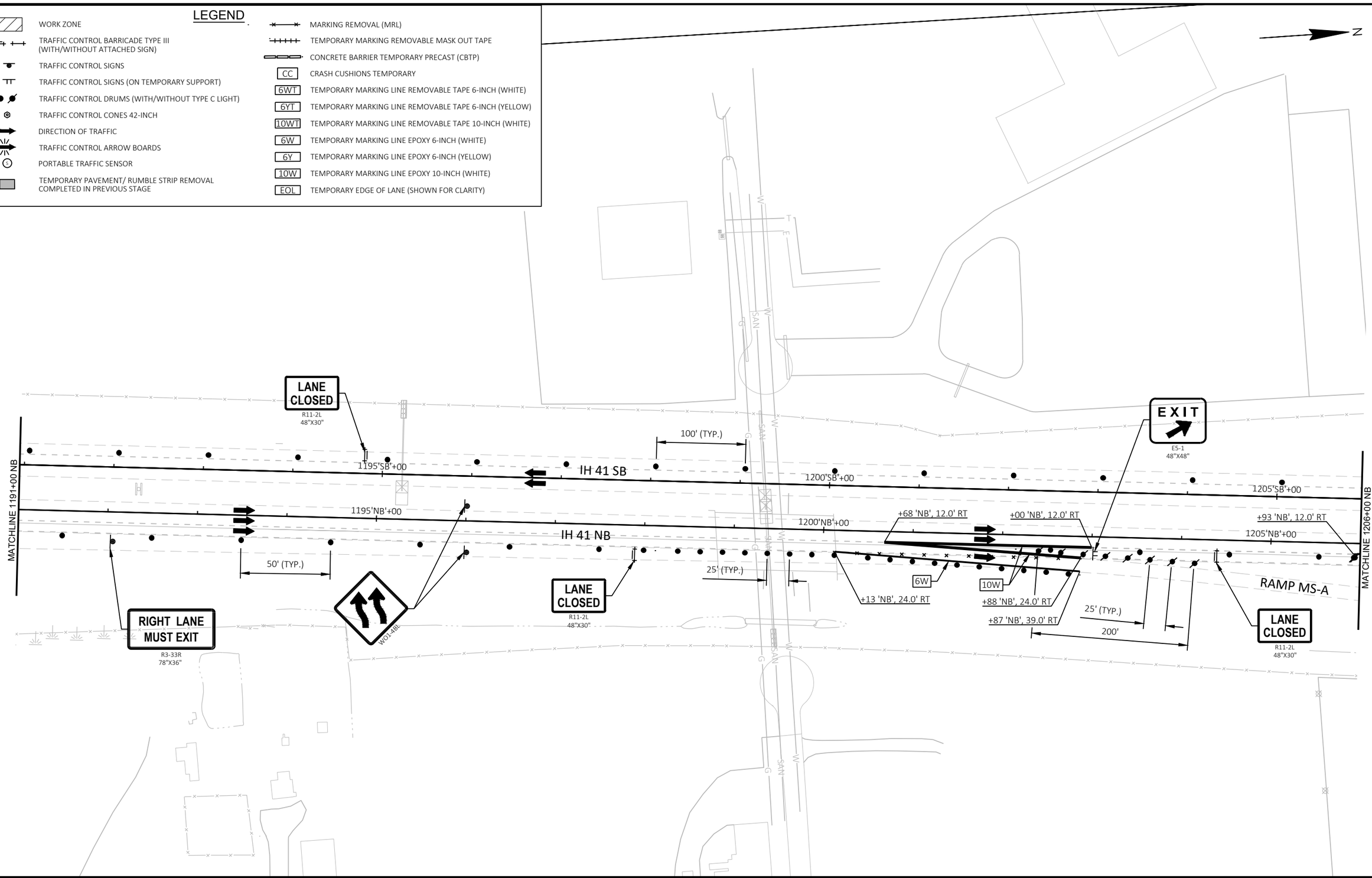
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 183	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026106-s4A
PLOT DATE : 7/27/2023 8:48 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 184	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026107-s4A

PLOT DATE : 7/27/2023 8:49 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

IH 41 SB

IH 41 NB

RAMP MS-B

RAMP MS-A

MAIN ST

MATCHLINE 1206+00 NB

MATCHLINE 1221+00 NB

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

WO5-52R

WO1-4BR

+20 'NB', 0.0'

+48 'NB', 12.0' LT

+95 'NB', 21.0' LT

+95 'NB', 10.0' LT

+95 'NB', 1.0' RT

+40 'SB', 12.0' RT

+13 'SB', 0.0'

+85 'SB', 12.0' LT

+88 'SB', 1.0' LT

+88 'SB', 10.0' RT

+88 'SB', 21.0' RT

+38 'SB', 3.0' LT

+93 'SB', 3.0' LT

+08 'SB', 14.5' LT

+85 'NB', 3.0' RT

+66 'NB', 3.0' RT

+96 'NB', 14.1' RT

B-70-0125

B-70-0126

1210 SB +00

1210 NB +00

1215 SB +00

1215 NB +00

1220 SB +00

1220 NB +00

50' (TYP.)

100' (TYP.)

8:1

11'

1' TO FACE OF CBTP

SIGN

CEMETERY

INL

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

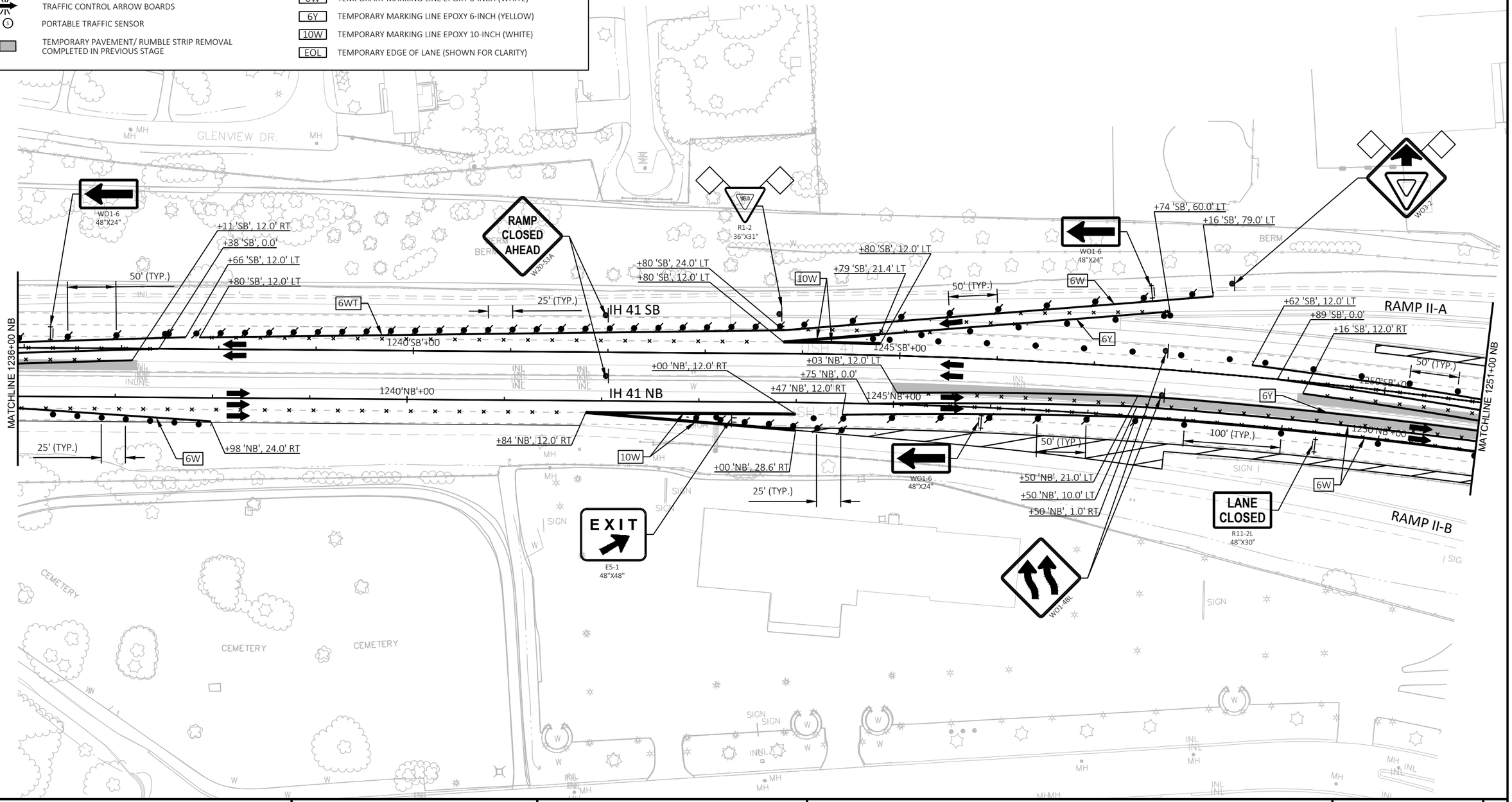
2

CEMETERY
CTH O
RAMP CLOSED 1000 FT
W20-53C
WO1-4BR
+50 'SB', 1.0' LT
+50 'SB', 10.0' RT
+50 'SB', 21.0' RT
+33 'SB', 5.0' LT
+93 'SB', 2.0' LT
+93 'SB', 9.0' RT
+93 'SB', 20.0' RT
B-70-0127
6WT
2' TO FACE OF CBTP
WO5-52R
+76 'SB', 5.0' LT
+90 'SB', 19.2' LT
SPEED LIMIT 55
R2-1
48"X60"
LANE CLOSED
R11-2L
48"X30"
+91 'SB', 2.0' LT
+91 'SB', 9.0' RT
+91 'SB', 20.0' RT
POOL
MH
BERM
SIGN
MATCHLINE 1221+00 NB
6W
11'
100' (TYP.)
1225'SB'+00
IH 41 SB
6Y
1235'SB'+00
MATCHLINE 1236+00 NB
1223'NB'+00
8:1
1230'SB'+00
1230'NB'+00
IH 41 NB
6YT
+97 'NB', 14.0' RT
+86 'NB', 3.0' RT
B-70-0128
1' TO FACE OF CBTP
100' (TYP.)
+04 'NB', 21.0' LT
+04 'NB', 10.0' LT
+04 'NB', 1.0' RT
50' (TYP.)
+52 'NB', 12.0' LT
+79 'NB', 0.0'
+07 'NB', 12.0' RT
1235'NB'+00
25' (TYP.)
+54 'NB', 3.0' RT
RIDGEWAY RD
A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 186	E

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 187	E

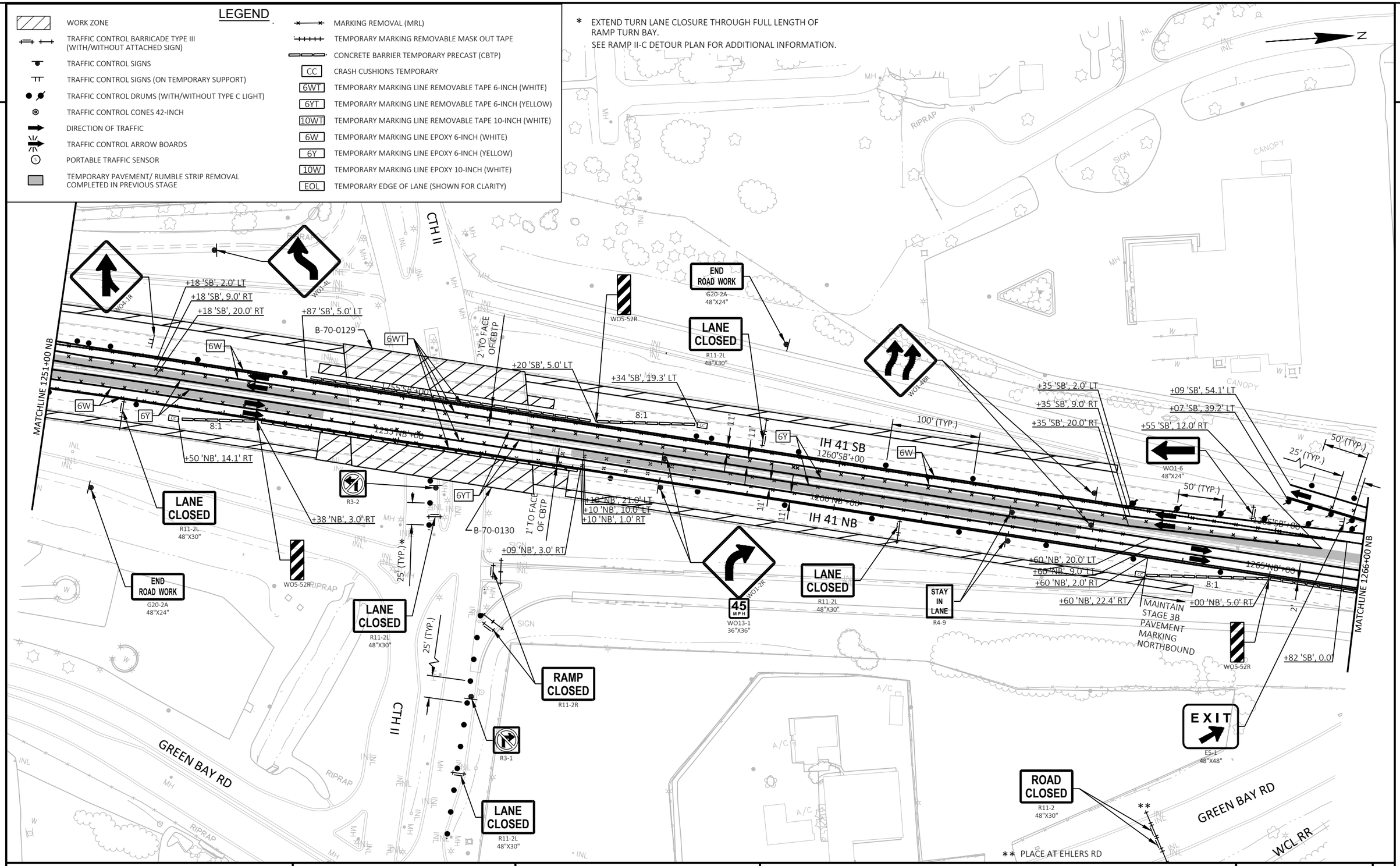
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026110-s4A

PLOT DATE : 7/27/2023 8:52 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND TURN LANE CLOSURE THROUGH FULL LENGTH OF RAMP TURN BAY.
SEE RAMP II-C DETOUR PLAN FOR ADDITIONAL INFORMATION.



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 188	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

** PLACE AT AMERICAN DR

ROAD CLOSED
R11-2
48"X30"

GREEN BAY RD

AMERICAN DR

IH 41 SB

IH 41 NB

B-70-131

B-70-0132

6W
(12.5' LINE, 37.5' GAP)

+12 'SB', 24.0' LT

+11 'SB', 12.0' LT

+41 'SB', 24.0' LT

+09 'SB', 12.0' LT

10W

6Y

50' (TYP.)

25' (TYP.)

1270'SB +00

1275'SB +00

1270'NB +00

1275'NB +00

+07 'NB', 6.0' RT

+00 'NB', 7.2' RT

+02 'NB', 6.0' RT

+50 'NB', 7.2' RT

+00 'NB', 6.2' RT

+07 'NB', 5.1' RT

+47 'NB', 5.0' RT

MATCHLINE 1266+00 NB

WO1-4BL

WO1-4BR

SPEED LIMIT 55
R2-1
48"X60"

LANE CLOSED
R11-2L
48"X30"

100' (TYP.)

+47 'SB', 0.0'

+82 'SB', 12.0' LT

1280'SB +00

1280'NB +00

+80 'NB', 20.0' LT

+80 'NB', 9.0' LT

+20 'SB', 12.0' RT

+80 'NB', 2.0' RT

+00 'NB', 12.0' LT

+27 'NB', 0.0'

+55 'NB', 12.0' RT

MATCHLINE 1281+00 NB

RIPRAP

CANADIAN

WCL RR

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 189	E

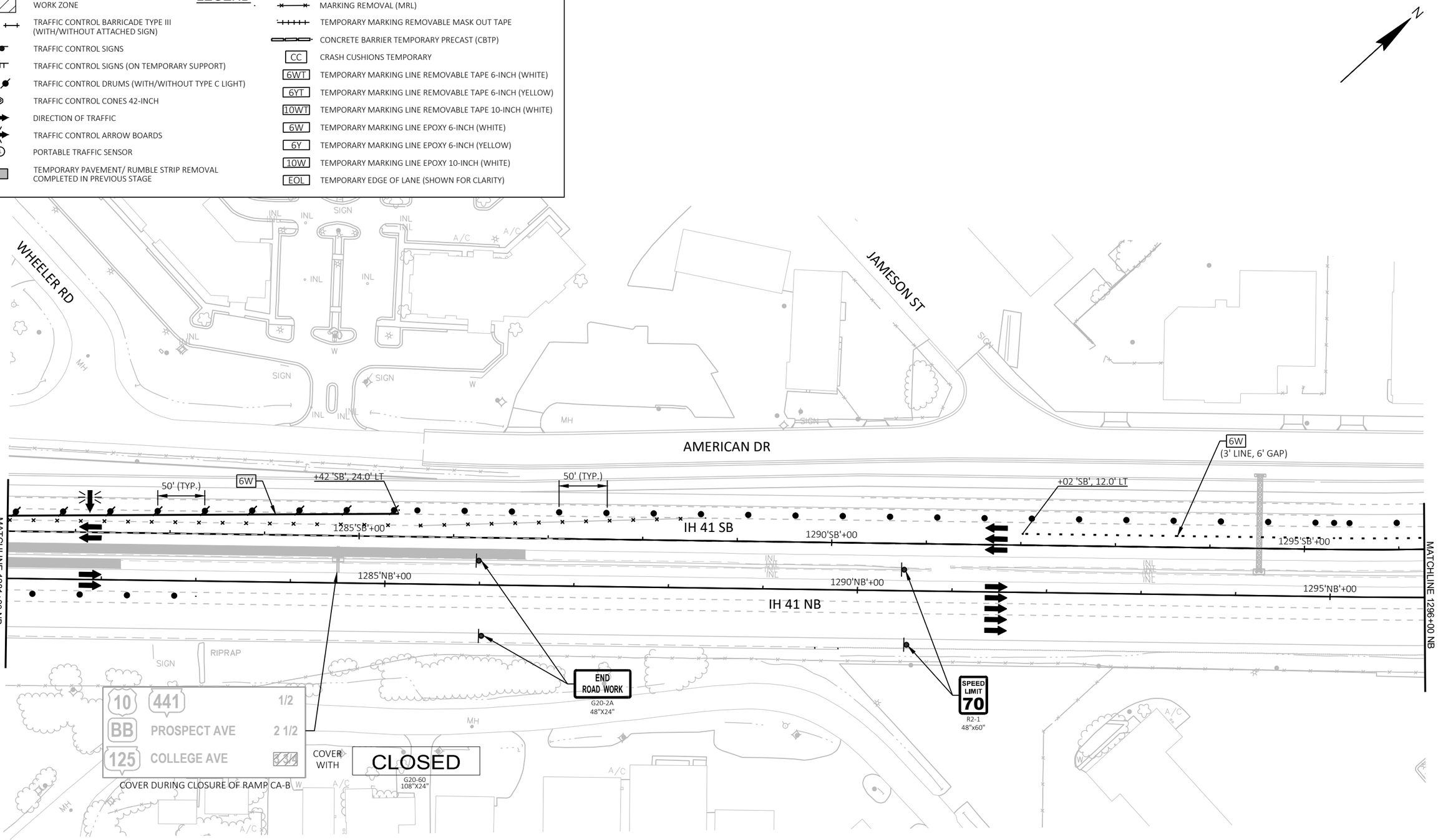
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026112-s4A

PLOT DATE : 7/10/2023 2:16 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 190	E

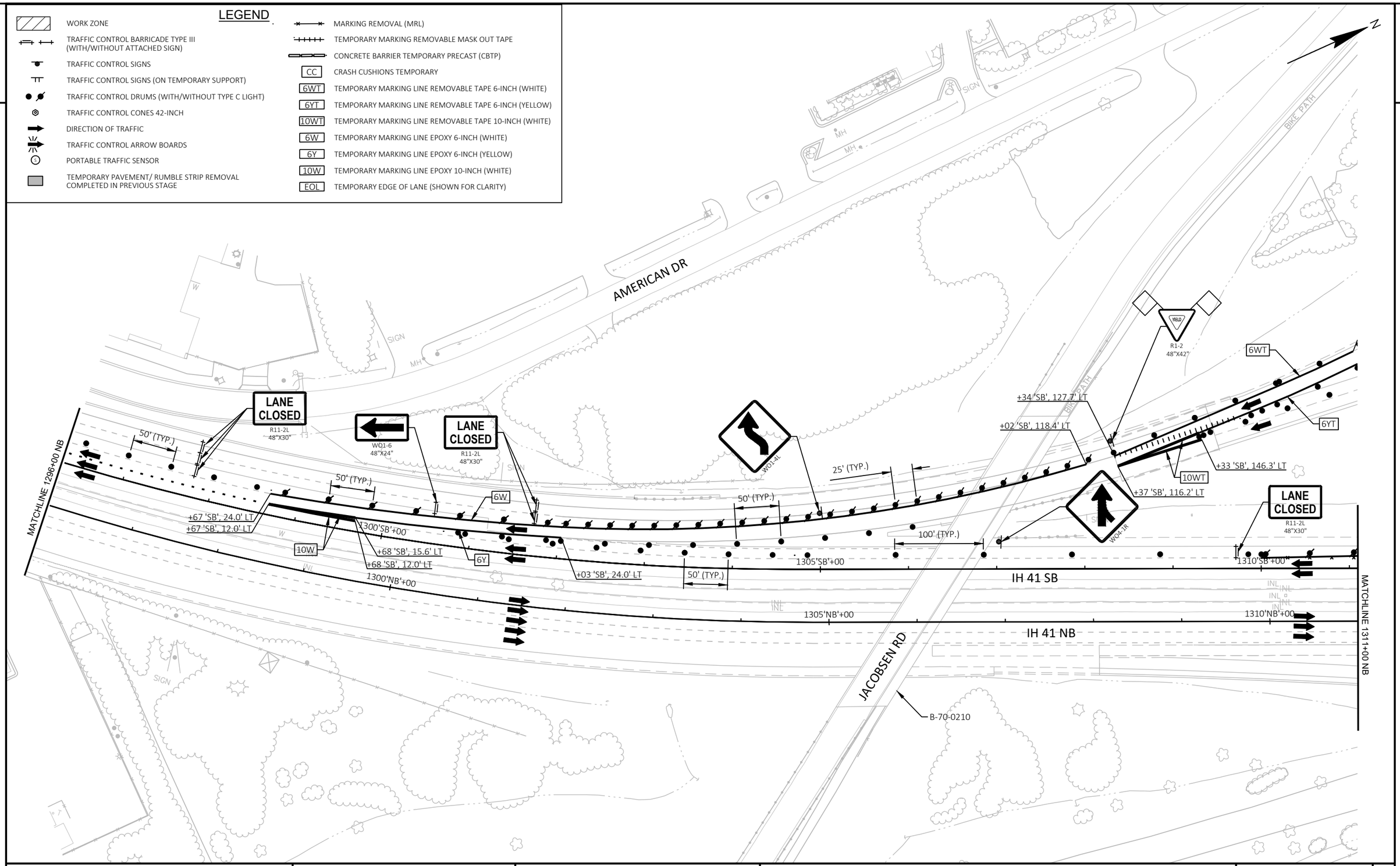
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026113-s4A

PLOT DATE : 7/10/2023 2:17 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 191	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026114-s4A

PLOT DATE : 7/10/2023 2:18 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

ROAD WORK AHEAD
W20-1A

W03-2

500'

W04-1R

100' (TYP.)

LANE CLOSED
R11-2L
48"X30"

+05 'SB', 245.9' LT

+11 'SB', 232.4' LT

6WT

LANE CLOSED
R11-2L
48"X30"

+64 'SB', 244.0' LT

+60 'SB', 232.6' LT

6WT

6YT

N

50' (TYP.)

4W

+60 'SB', 24.0' LT

IH 41 SB

1315'SB'+00

1320'SB'+00

1325'SB

1315'NB'+00

1320'NB'+00

1325'N

IH 41 NB

USH 41

MATCHLINE 1311+00 NB

MATCHLINE 1325+00 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 192	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026115-s4A

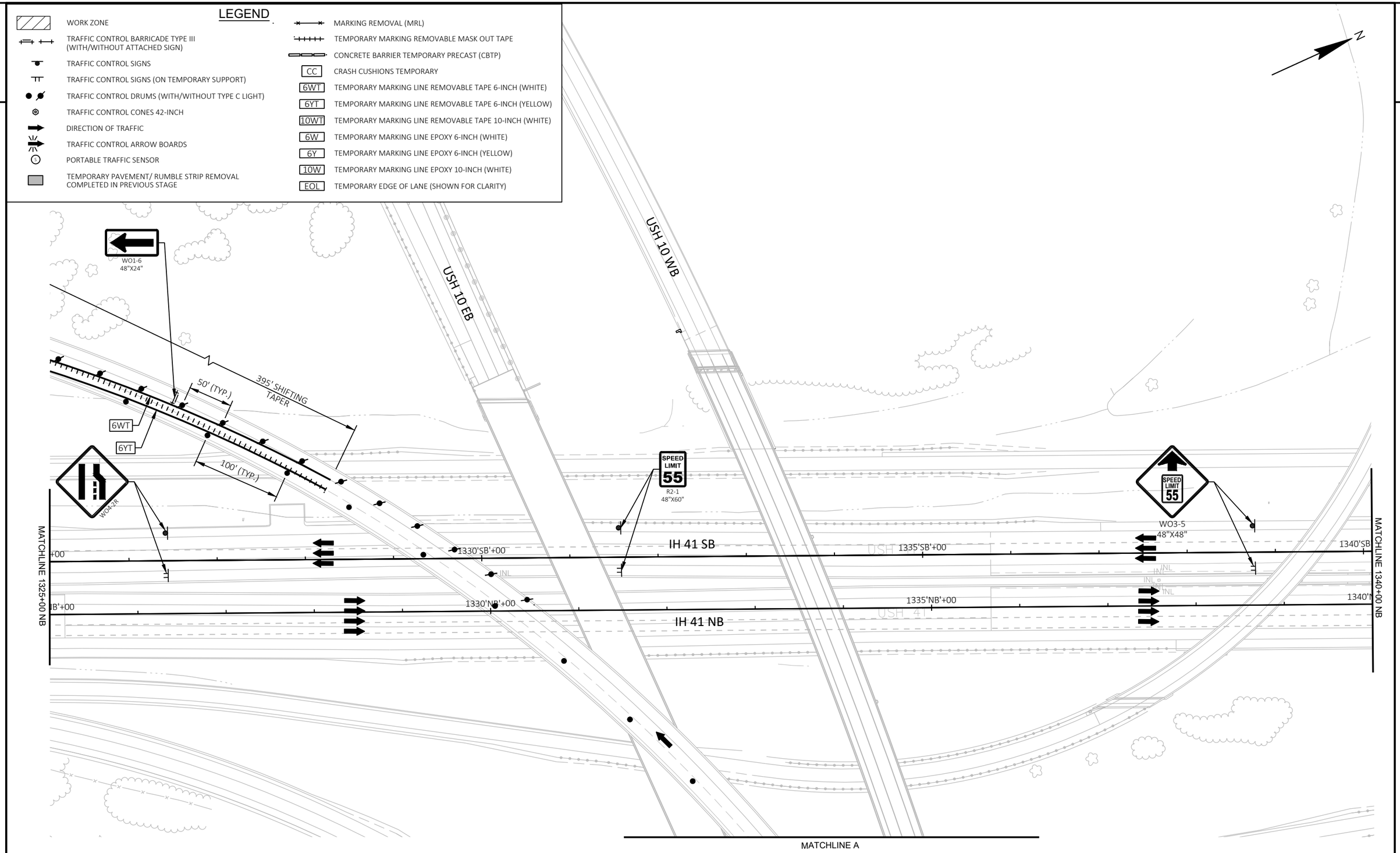
PLOT DATE : 7/27/2023 8:57 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 193	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026116-s4A

PLOT DATE : 7/27/2023 9:00 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

MORRIS

PIER

PIER

RAILROAD

MATCHLINE A

100' TYP.

W01-4L

LANE CLOSED
R11-2L
48"X30"

USH 10 WB/STH 441 SB

USH 10 EB/STH 441 NB

MATCHLINE B

NATIONAL

LAKE ST.

MH

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 194	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026116a-s4A

PLOT DATE : 7/10/2023 2:21 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

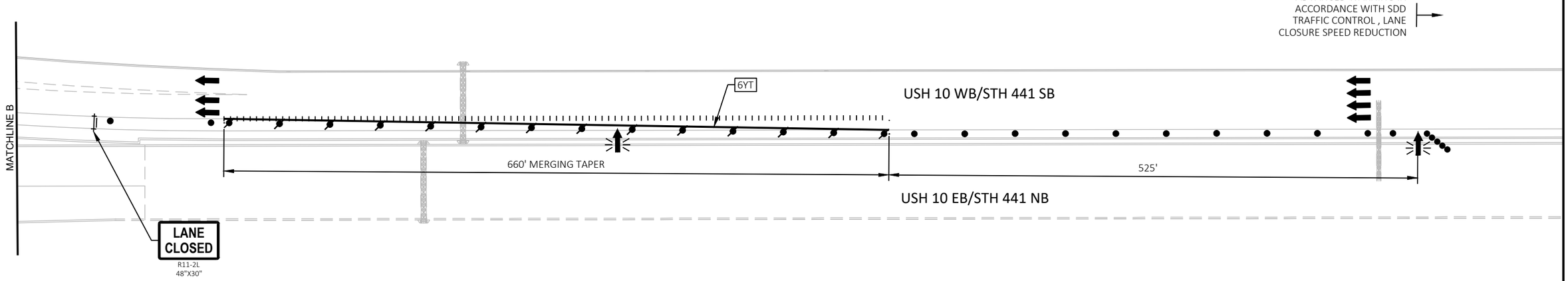
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 195	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026116b-s4A

PLOT DATE : 7/10/2023 2:22 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

RIGHT LANE CLOSED 1/2 MILE W20-5G

ROAD WORK 1 MILE W20-1F

IH 41 SB

IH 41 NB

1345'SB'+00

1350'SB'+00

1355'SB

1345'NB'+00

1350'NB'+00

MATCHLINE 1340+00 NB

MATCHLINE 1355+00 NB

USH 41

MH

INL

SIGN

RAILROAD

NATIONAL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 196	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026117-s4A

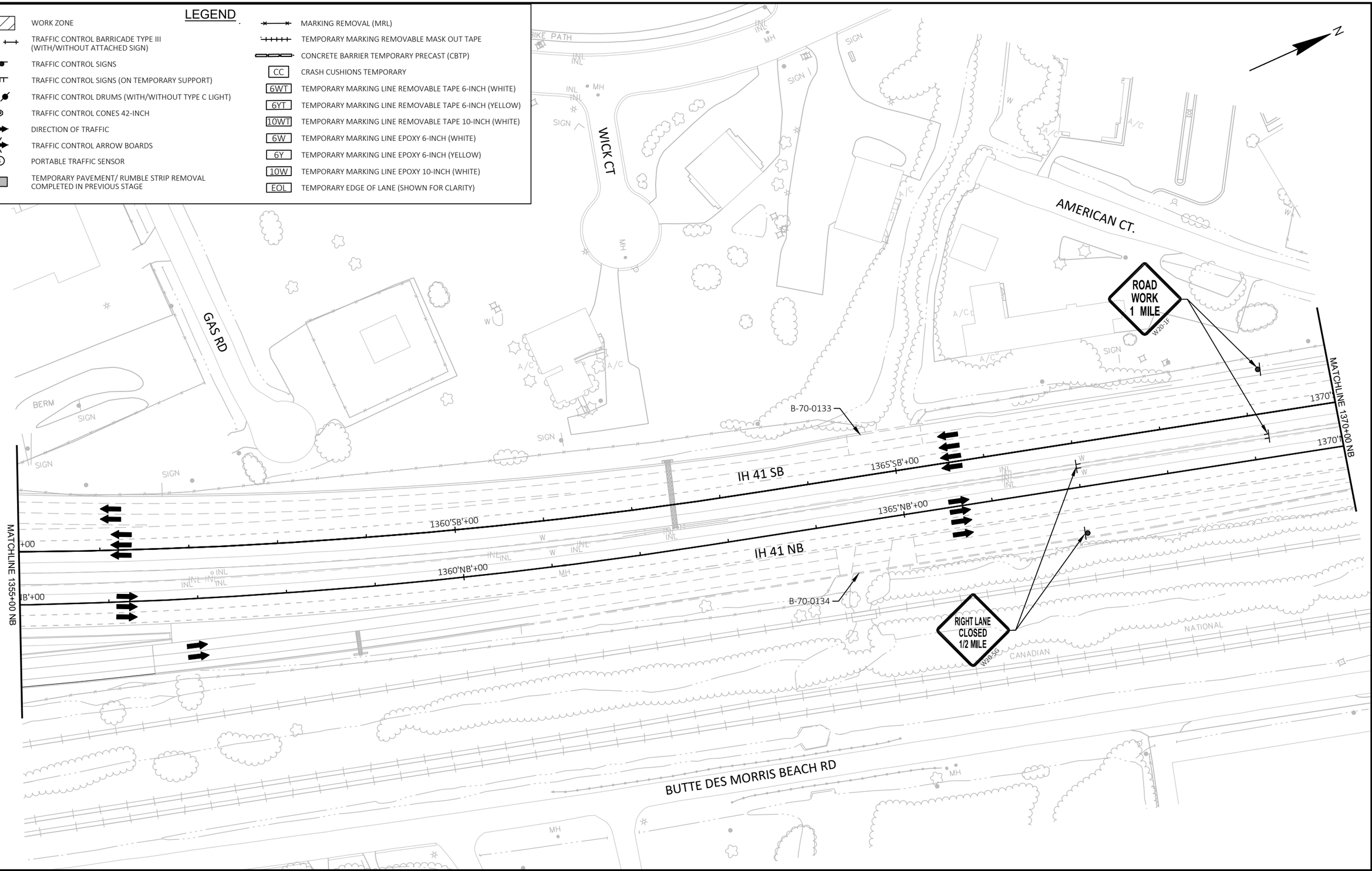
PLOT DATE : 7/10/2023 2:23 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 197	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026118-s4A

PLOT DATE : 7/10/2023 2:24 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

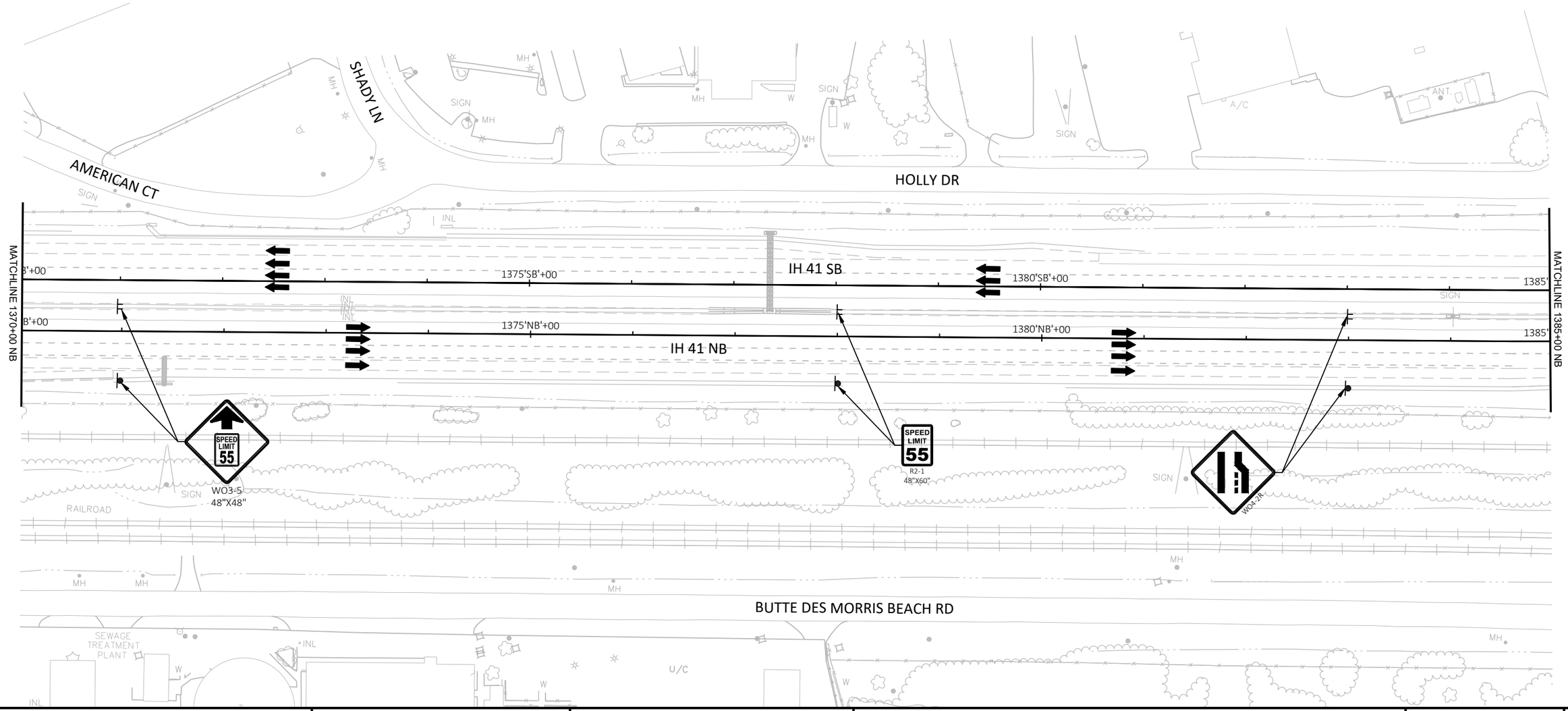
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 198	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026119-s4A

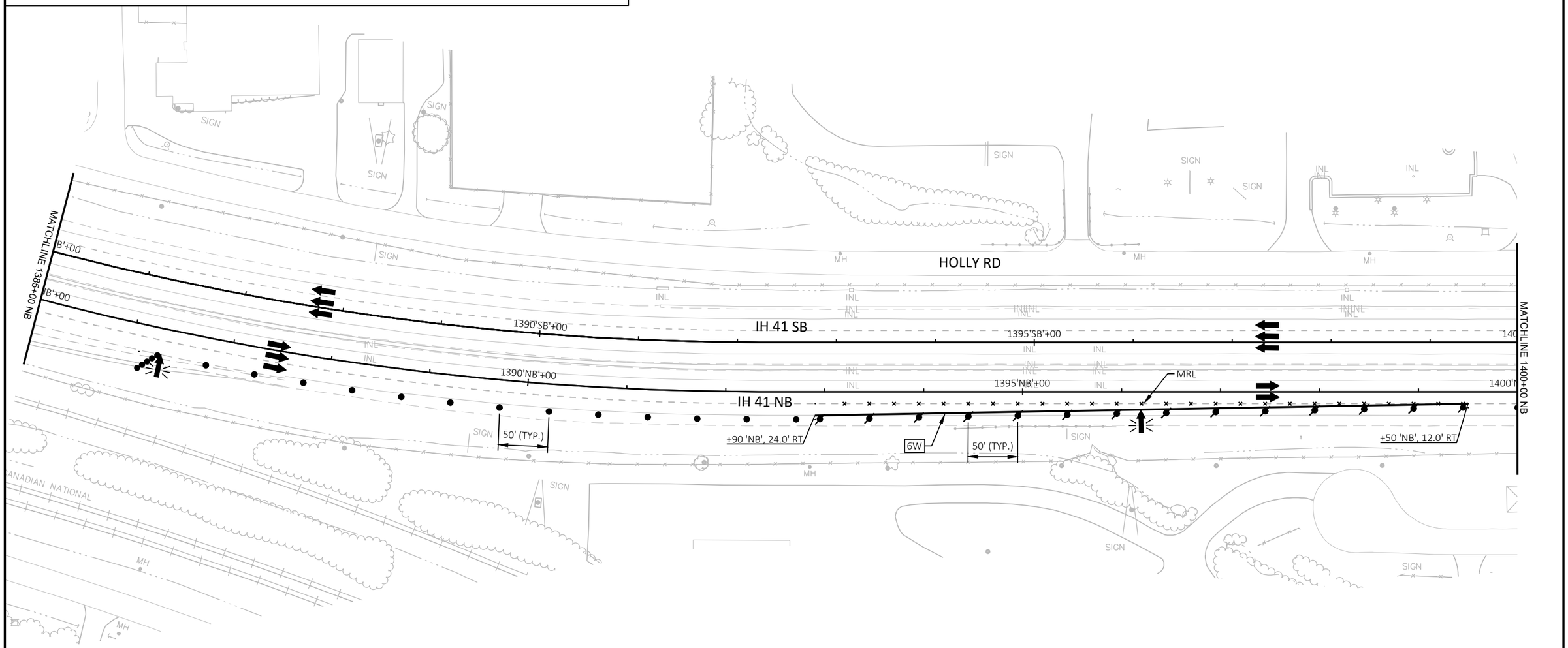
PLOT DATE : 7/27/2023 9:02 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 199	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026120-s4A

PLOT DATE : 7/10/2023 2:26 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

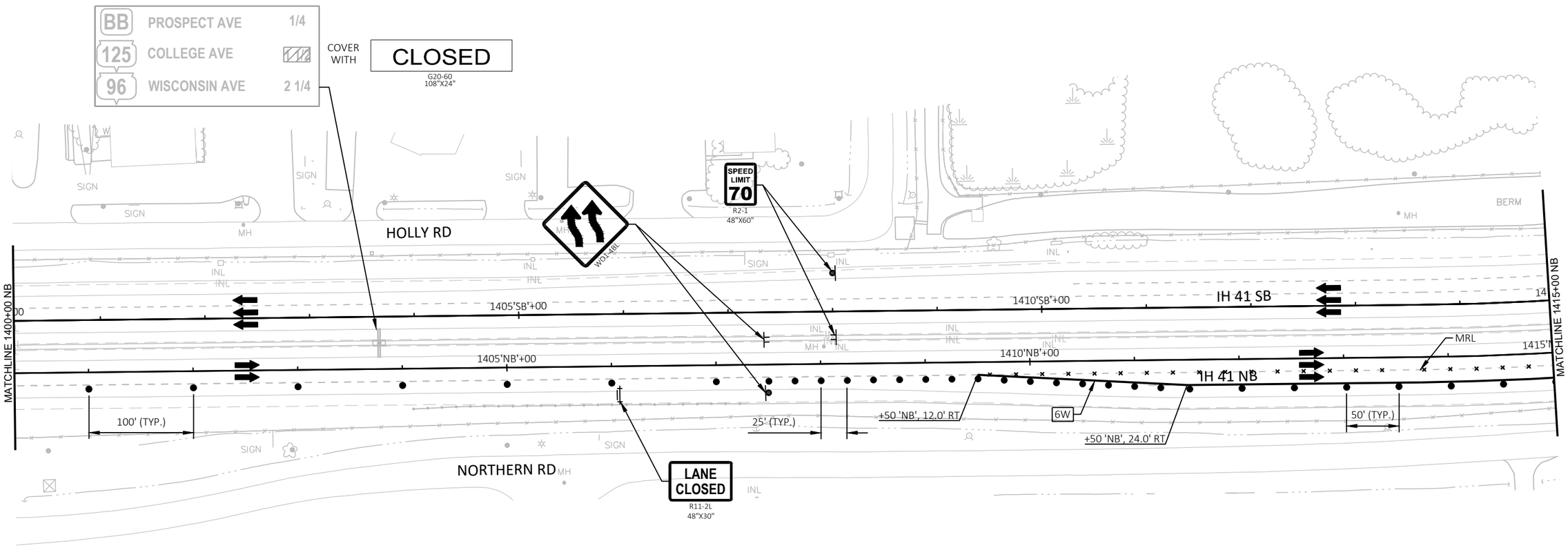
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4A	SHEET 200	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026121-s4A

PLOT DATE : 7/10/2023 2:27 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

B-70-0021

RAMP BB-A

RIPRAP

MATCHLINE 1415+00 NB

5'SB'+00

B'+00

IH 41 NB

10W

25' (TYP.)

+76 'NB', 12.0' RT

+03 'NB', 0.0'

+30 'NB', 12.0' LT

+80 'NB', 21.0' LT

+79 'NB', 10.0' LT

+79 'NB', 1.0' RT

1420'SB'+00

IH 41 SB

+30 'NB', 12.0' RT

6W

NORTHERN RD

1420'NB'+00

50' (TYP.)

+50 'NB', 42.1' RT

+89 'NB', 24.0' RT

WO1-6
48"X24"

+96 'SB', 12.0' LT

+24 'SB', 0.0'

+51 'SB', 12.0' RT

6Y

6W

1425'NB'+00

100' (TYP.)

8:1

+80 'NB', 14.1' RT

+69 'NB', 3.0' RT

WO1-4BR

LANE
CLOSED

R11-2L
48"X30"

+99 'SB', 1.0' LT

+99 'SB', 10.0' RT

+99 'SB', 21.0' RT

1425'SB'+00

+49 'SB', 3.0' LT

1' TO FACE
OF CBTP

6W

6Y

+79 'SB', 3.0' LT

B-70-0135

6WT

6YT

1' TO FACE
OF CBTP

6YT

6WT

B-70-0136

WO5-52R

MATCHLINE 1430+00 NB

WO5-52R

WO24-1L

EXIT

E5-1
48"X48"

+23 NR, 13.7' LT

+24 NR, 2.2' LT

+11 NR, 16.5' LT

+98 NR, 5.5' LT

+98 NR, 5.5' RT

RAMP BB-B

25' (TYP.)

6DYT

6WT

B-70-0084

+95 NR, 6.8' LT

+96 NR, 17.8' LT

END
ROAD WORK

G20-2A
48"X24"

25' (TYP.)

+95 NR, 4.2' RT

350'

+66 NR, 10.9' RT

+66 NR, 1.1' LT

+66 NR, 13.1' LT

WO24-1R

CTH BB

WINNEBAGO COUNTY

OUTAGAMIE COUNTY

NOTE:
DO NOT IMPEDED THE FREE-FLOW OF TRAFFIC ON NORTHERN ROAD. WORK REQUIRING THE CLOSURE OF A SINGLE LANE ON NORTHERN ROAD (INCLUDING MATERIAL/EQUIPMENT DELIVERY) TO BE COMPLETED IN ACCORDANCE WITH SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

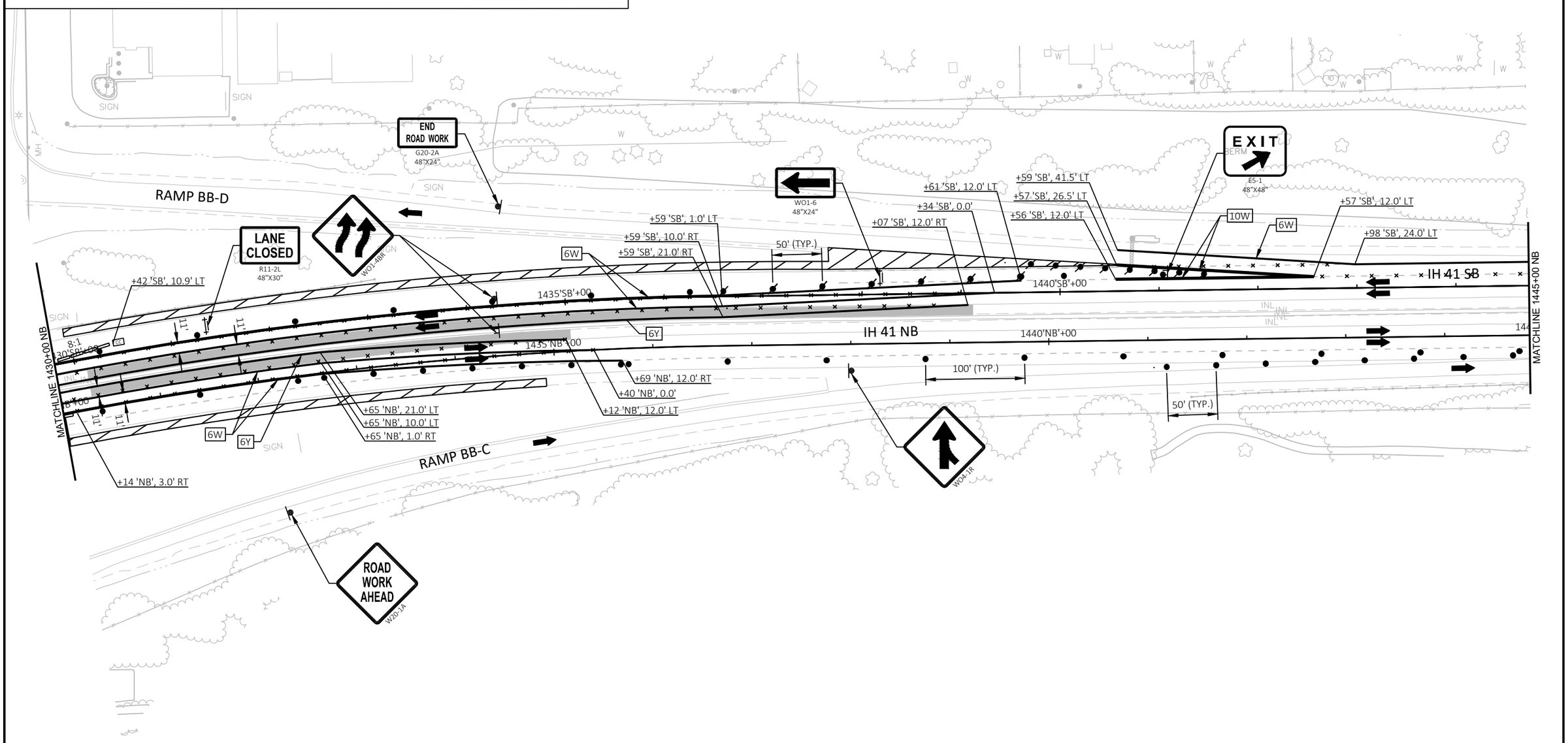
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 201	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 202	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026123-s4A

PLOT DATE : 7/27/2023 9:08 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

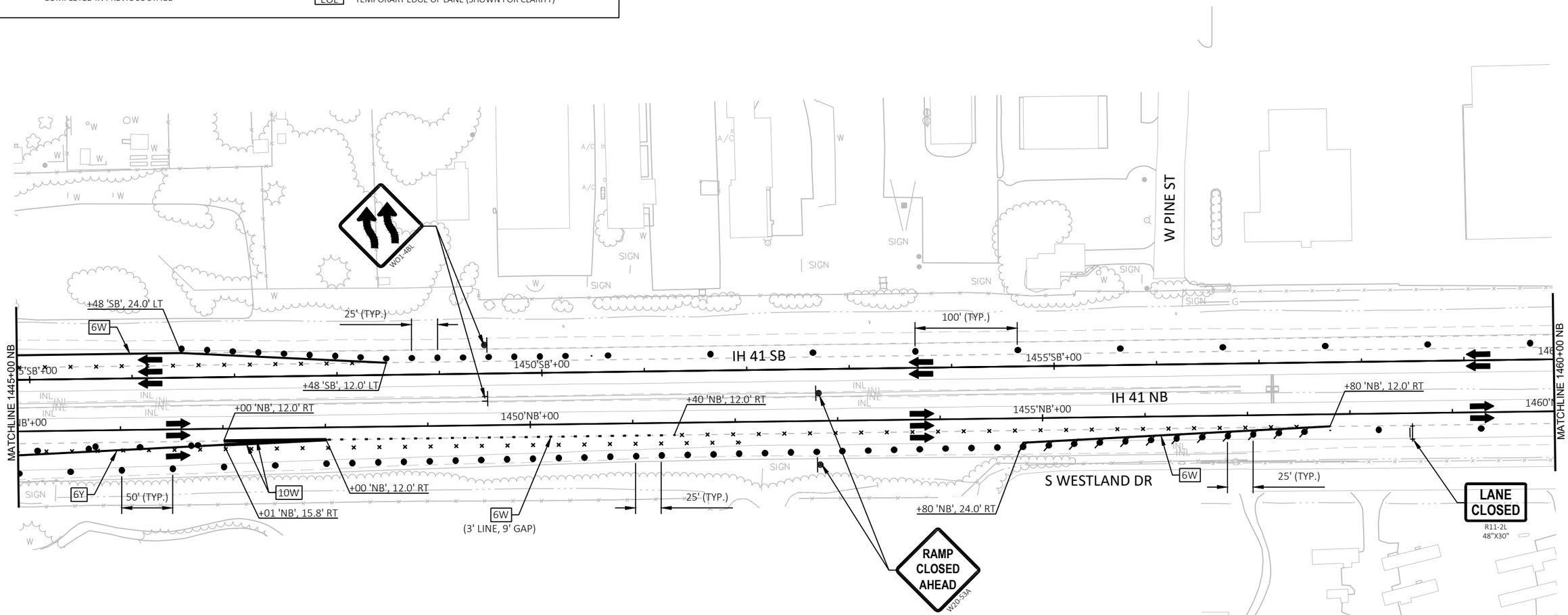
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 203	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026124-s4A

PLOT DATE : 7/11/2023 3:07 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

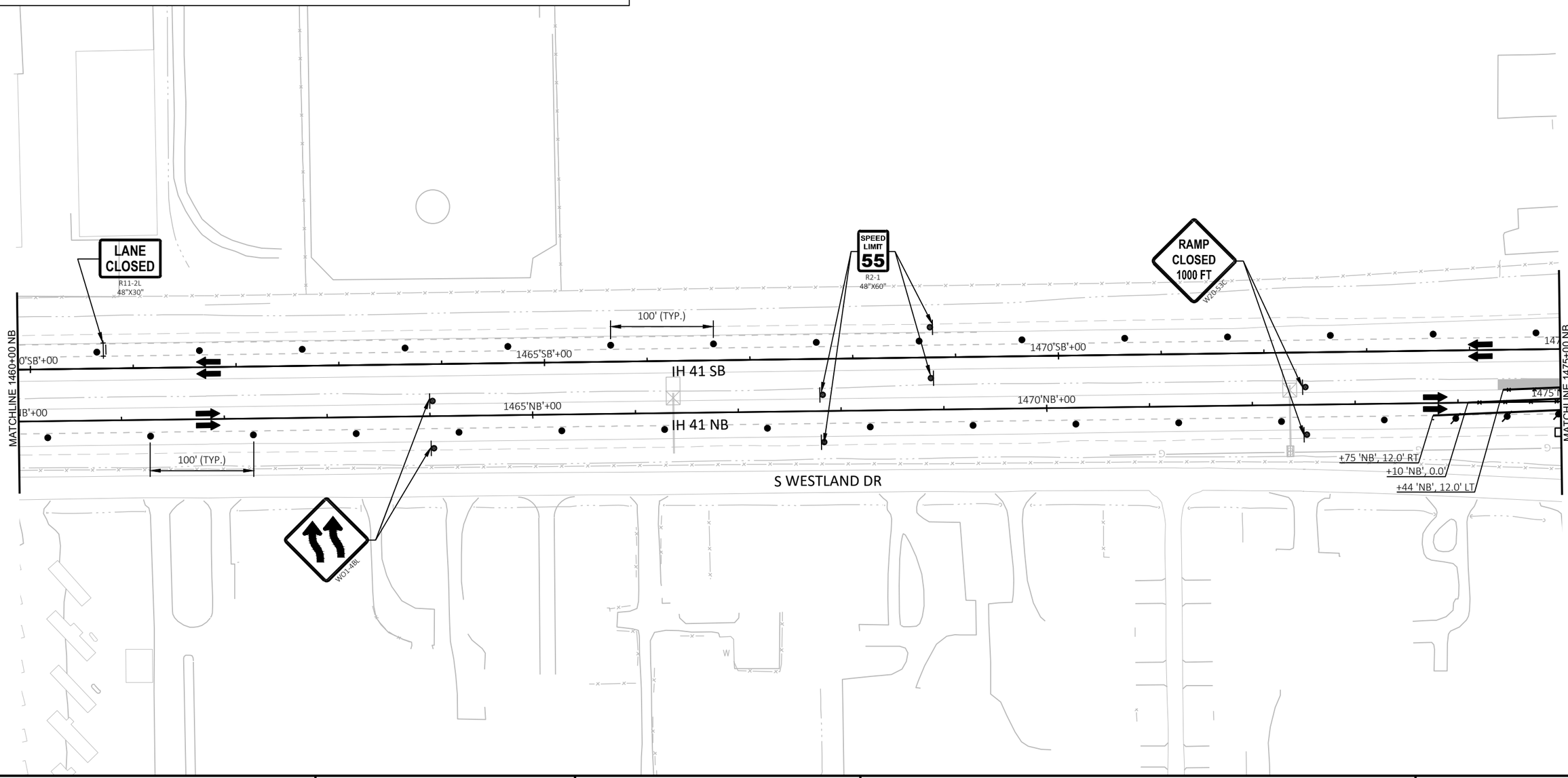
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 204	E

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

MATCHLINE 1475+00 NB

MATCHLINE 1490+00 NB

IH 41 SB

IH 41 NB

WESTLAND DR

RAMP CA-A

RAMP CA-B

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

WO1-48R

B-44-163

B-44-164

50' (TYP.)

100' (TYP.)

25' (TYP.)

+81 'SB', 12.0' LT
+08 'SB', 0.0'
+35 'SB', 12.0' RT

+19 'NB', 20.0' LT
+19 'NB', 9.0' LT
+19 'NB', 2.0' RT

+62 'NB', 21.0' LT
+62 'NB', 10.0' LT
+62 'NB', 1.0' RT

+15 'SB', 2.0' LT
+15 'SB', 9.0' RT
+15 'SB', 20.0' RT

1475'SB'+00
1480'SB'+00
1485'SB'+00
1480'NB'+00
1485'NB'+00

6W 6WT 6Y

SIGN INL MH

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

RAMP CA-A

RAMP CA-D

CTH CA

END ROAD WORK
G20-2A
48"X24"

50' (TYP.)

WO5-52R

+34 'SB', 15.7' LT

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

+34 'SB', 1.0' LT
+34 'SB', 10.0' RT
+34 'SB', 21.0' RT

25' (TYP.)

+63 'SB', 1.0' LT
+63 'SB', 10.0' RT
+63 'SB', 21.0' RT

+13 'SB', 3.0' LT

+32 'SB', 3.0' LT

B-44-0155

1' TO FACE OF CBTP

6W
6Y
6WT

11'

8:1

100' (TYP.)

IH 41 SB

1500'SB'+00

1495'SB'+00

0'SB'+00

MATCHLINE 1490+00 NB

MATCHLINE 1505+00 NB

50' (TYP.)

+82 'SB', 12.0' RT

1505'

1495'NB'+00

1500'NB'+00

IH 41 NB

50' (TYP.)

+60 'NB', 12.0' RT

+32 'NB', 0.0'

+05 'NB', 12.0' LT

+62 'NB', 14.1' RT

+51 'NB', 3.0' RT

B-44-0156

+09 'NB', 3.0' RT

+59 'NB', 21.0' LT
+59 'NB', 10.0' LT
+59 'NB', 1.0' RT

WO4-3R
48"X48"

WO5-52R

6WT

STH 125

LANE CLOSED
R11-2L
48"X30"

SHOULDER WORK
W21-5

RAMP CA-C

25' (TYP.)

B-44-062

RAMP CA-B

U/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 206	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026127-s4a

PLOT DATE : 7/11/2023 3:35 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

EXIT 137
SOUTH 41
125
College Ave
EXIT E11-1A 54"X18"
ONLY E11-1B 60"X18"
EXIT ONLY

EXIT 137
SOUTH 41
125
College Ave
1/4 MILE
EXIT E11-1A 54"X18"
ONLY E11-1B 60"X18"
EXIT ONLY

EXIT E5-1 48"X48"

SPEED LIMIT 55 R2-1 48"X60"

MH
50' (TYP.)
SIGN

+00 'SB', 12.0' LT
1510'SB'+00
IH 41 SB
1515'SB'+00
MATCHLINE 1505+00 NB
MATCHLINE 1520+00 NB
10W
W
INL
1510'NB'+00
IH 41 NB
1515'NB'+00
+84 'NB', 24.0' RT
+85 'NB', 29.4' RT
+86 'NB', 44.4' RT
+37 'SB', 12.0' LT
+09 'SB', 0.0'
50' (TYP.)
6W
6Y
+95 'NB', 12.0' RT
+96 'NB', 15.4' RT
+70 'NB', 12.0' RT

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

WO1-4BL

SPEED LIMIT 55 R2-1 48"X60"

EXIT 137
NORTH 41
96
Wisconsin Ave
1/4 MILE
EXIT E11-1A 54"X18"
ONLY E11-1B 60"X18"
EXIT ONLY

U/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 207	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026128-s4A

PLOT DATE : 7/27/2023 9:10 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

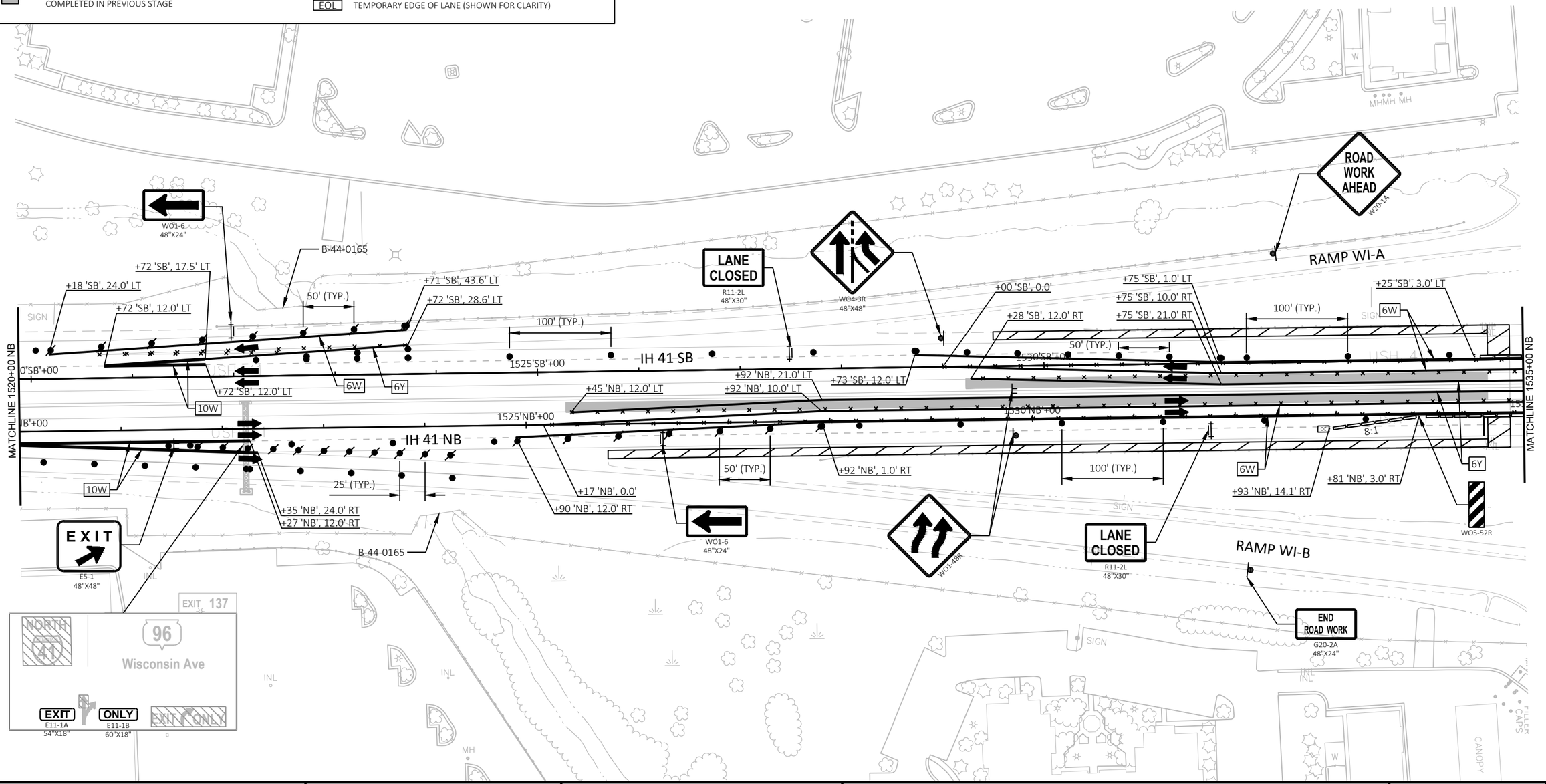
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 208	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026129-s4A

PLOT DATE : 7/27/2023 9:12 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

WO5-52R

WO1-4BR

WO1-6
48"X24"

EXIT
E5-1
48"X48"

+33 'SB', 14.1' LT

+45 'SB', 3.0' LT

+90 'SB', 44.3' LT
+89 'SB', 30.2' LT
+34 'SB', 1.0' LT
+34 'SB', 10.0' RT
+34 'SB', 21.0' RT
+97 'SB', 12.0' LT
+22 'SB', 24.0' LT
+30 'SB', 12.0' LT
+04 'SB', 0.0'
+77 'SB', 12.0' RT

+01 'NB', 3.0' RT
+51 'NB', 21.0' LT
+51 'NB', 10.0' LT
+51 'NB', 1.0' RT
+90 'NB', 12.0' RT
+59 'NB', 0.0'
+96 'NB', 12.0' LT

1' TO FACE OF CBTP
11'
8:1
100' (TYP.)
50' (TYP.)

1540'SB'+00
1540'NB'+00
1545'SB'+00
1545'NB'+00
1535'SB'+00
1535'NB'+00

MATCHLINE 1535+00 NB
MATCHLINE 1550+00 NB

IH 41 SB
IH 41 NB

RAMP WI-D
RAMP WI-C
STH 96

SIGN
ANT.
W
MH
INL

2

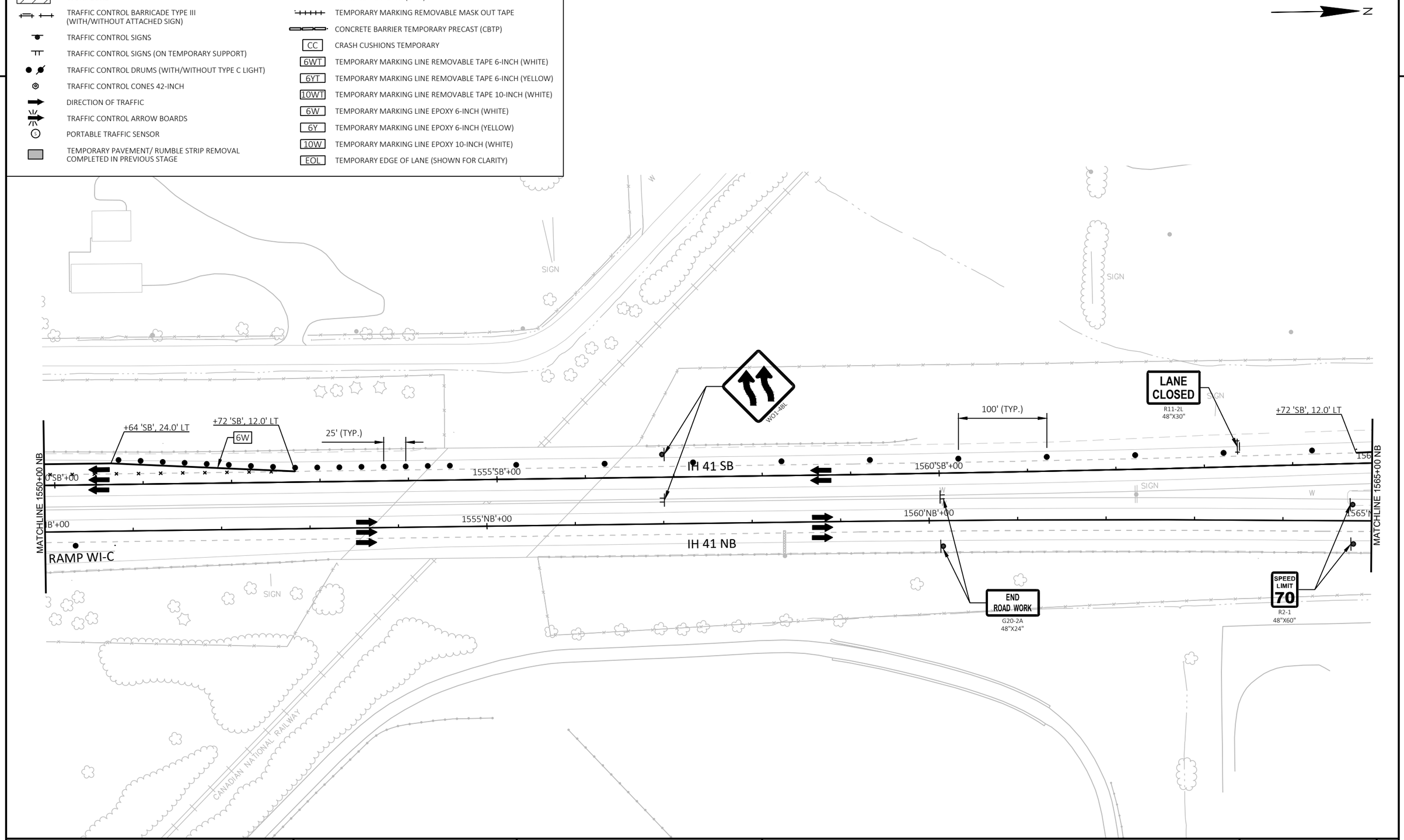
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 209	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026130-s4A

PLOT DATE : 7/27/2023 9:14 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 210	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026131-s4A

PLOT DATE : 7/11/2023 4:02 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

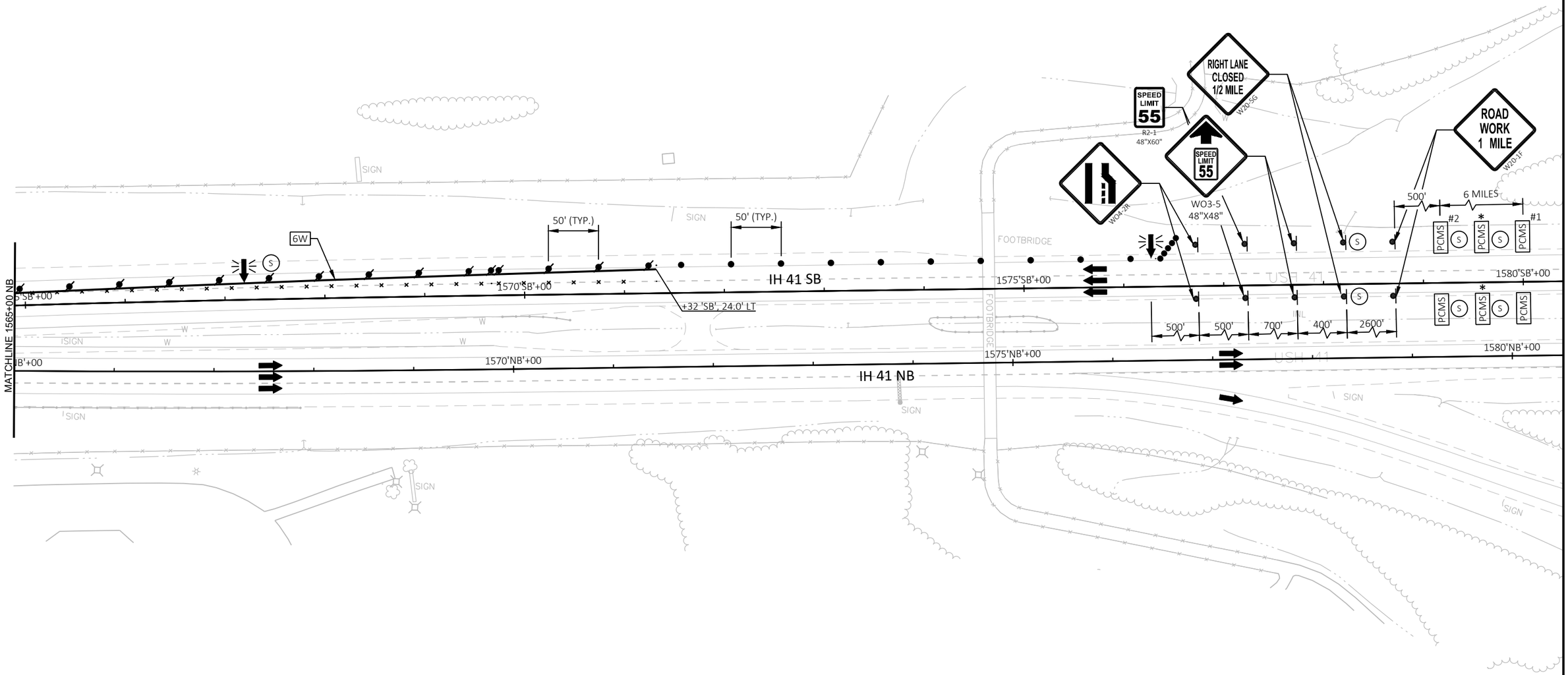
LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N

2

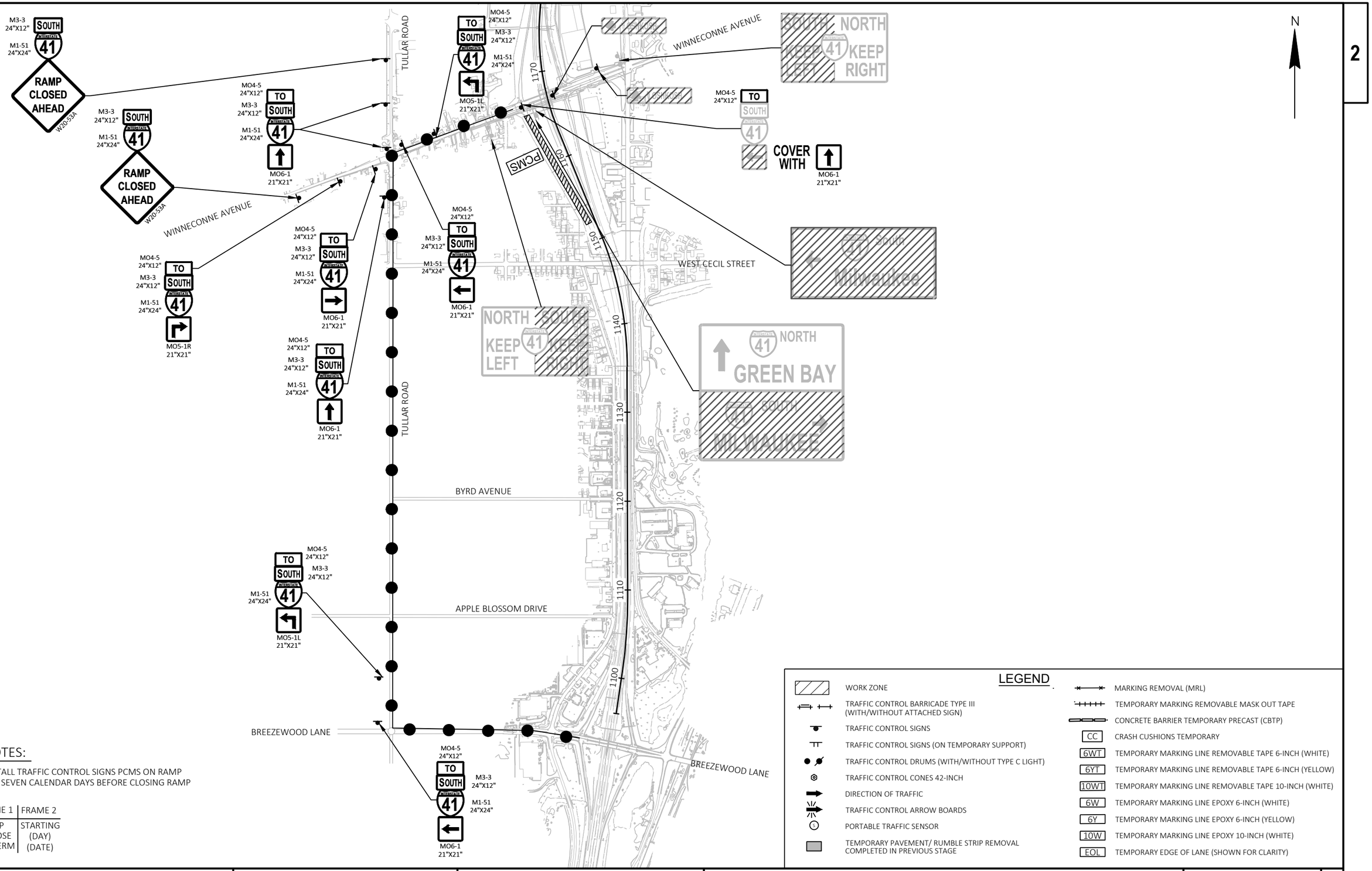


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4A	SHEET 211	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A.DWG
LAYOUT NAME - 026132-s4A

PLOT DATE : 7/27/2023 9:18 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



NOTES:

- INSTALL TRAFFIC CONTROL SIGNS PCMS ON RAMP JJ-A SEVEN CALENDAR DAYS BEFORE CLOSING RAMP

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

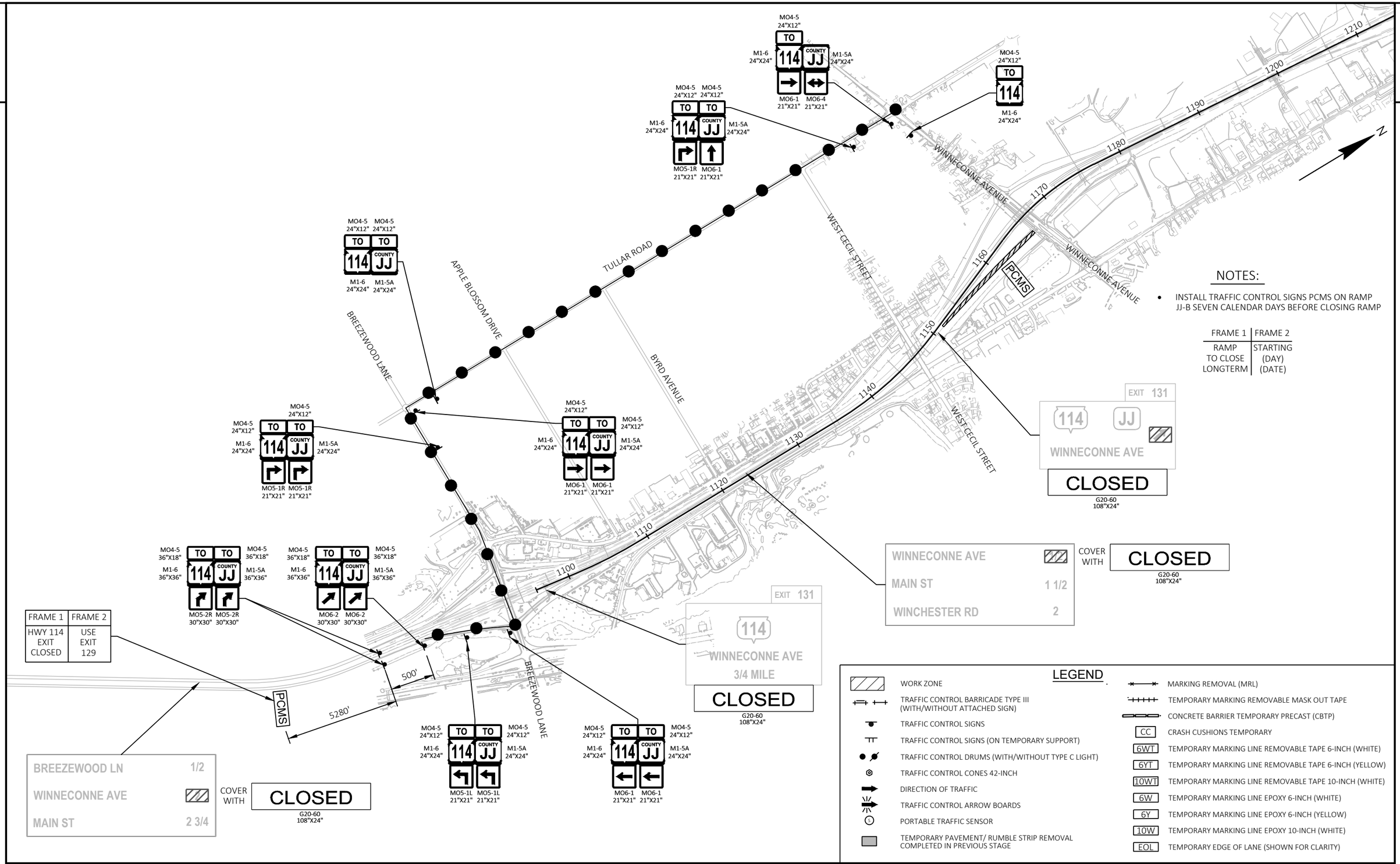
LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - RAMP JJ-A DETOUR	SHEET 212	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A_JJ-A DETOUR.DWG
LAYOUT NAME - 026101_JJA
PLOT DATE : 7/10/2023 2:39 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42

2



NOTES:

- INSTALL TRAFFIC CONTROL SIGNS PCMS ON RAMP JJ-B SEVEN CALENDAR DAYS BEFORE CLOSING RAMP

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

FRAME 1	FRAME 2
HWY 114 EXIT CLOSED	USE EXIT 129

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

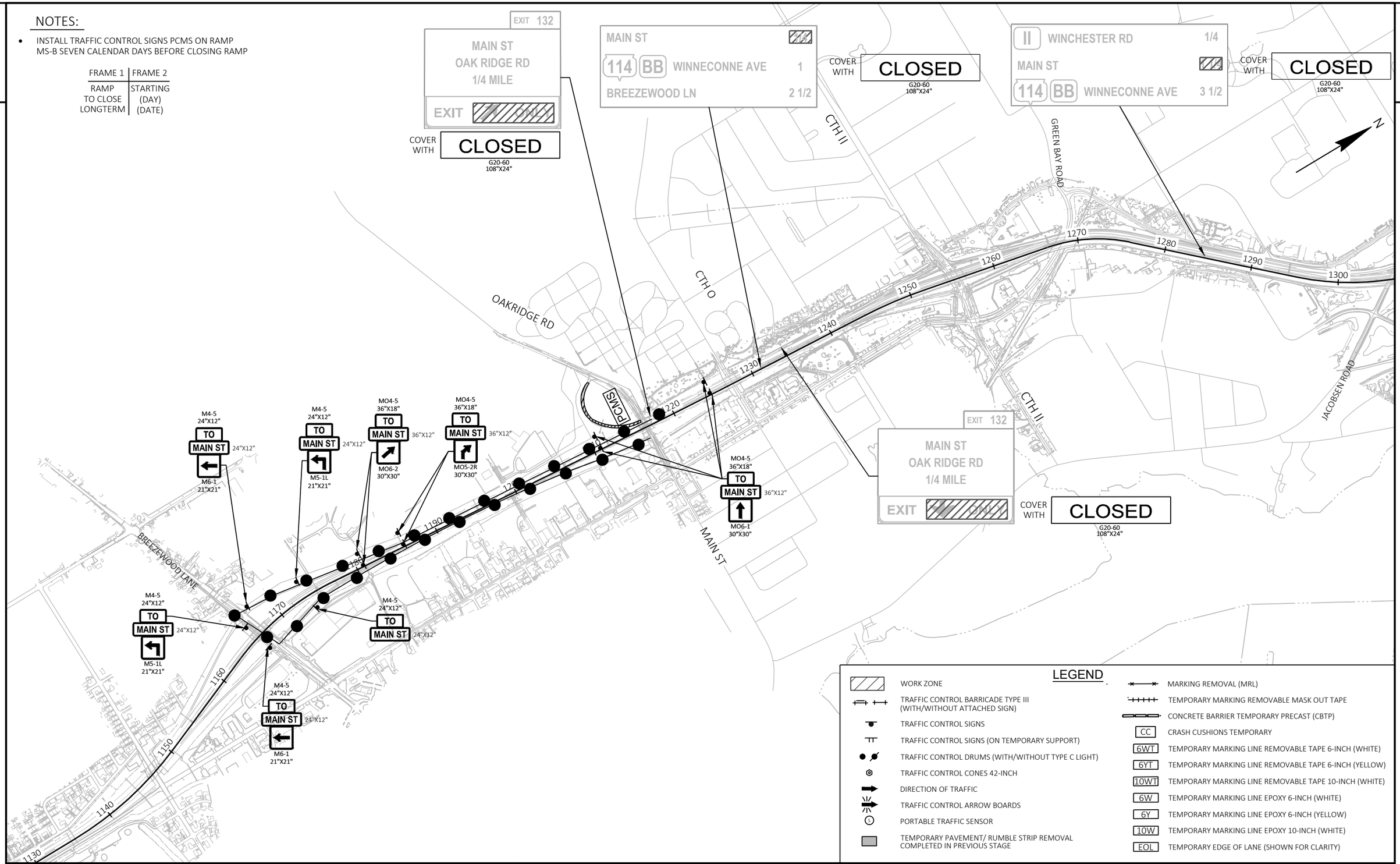
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - RAMP JJ-B DETOUR	SHEET 213	E

2

NOTES:

- INSTALL TRAFFIC CONTROL SIGNS PCMS ON RAMP MS-B SEVEN CALENDAR DAYS BEFORE CLOSING RAMP

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

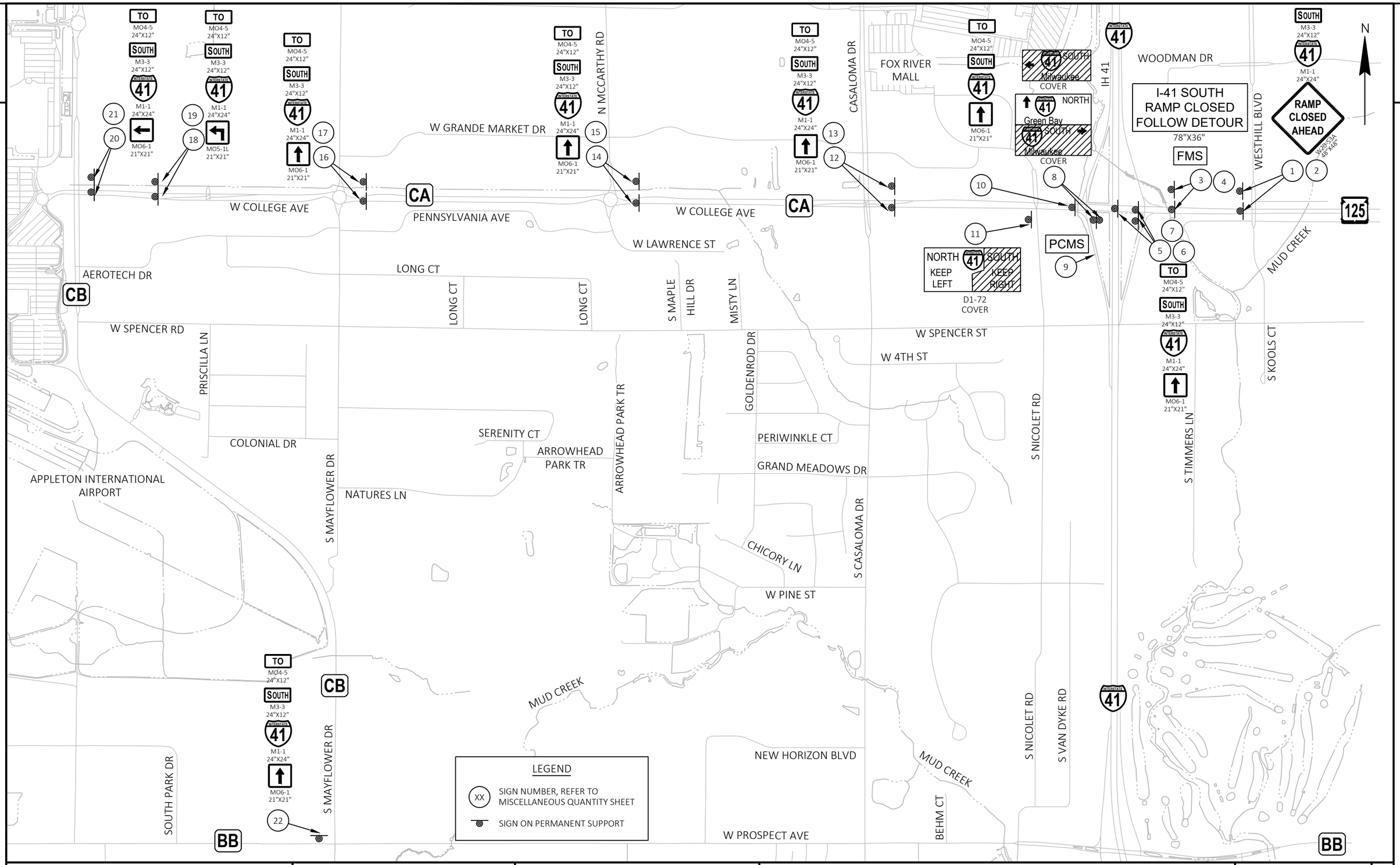


LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - RAMP MS-B DETOUR	SHEET 214	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4A_MS-B DETOUR.DWG
LAYOUT NAME - 026101_MSB
PLOT DATE : 7/10/2023 2:41 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



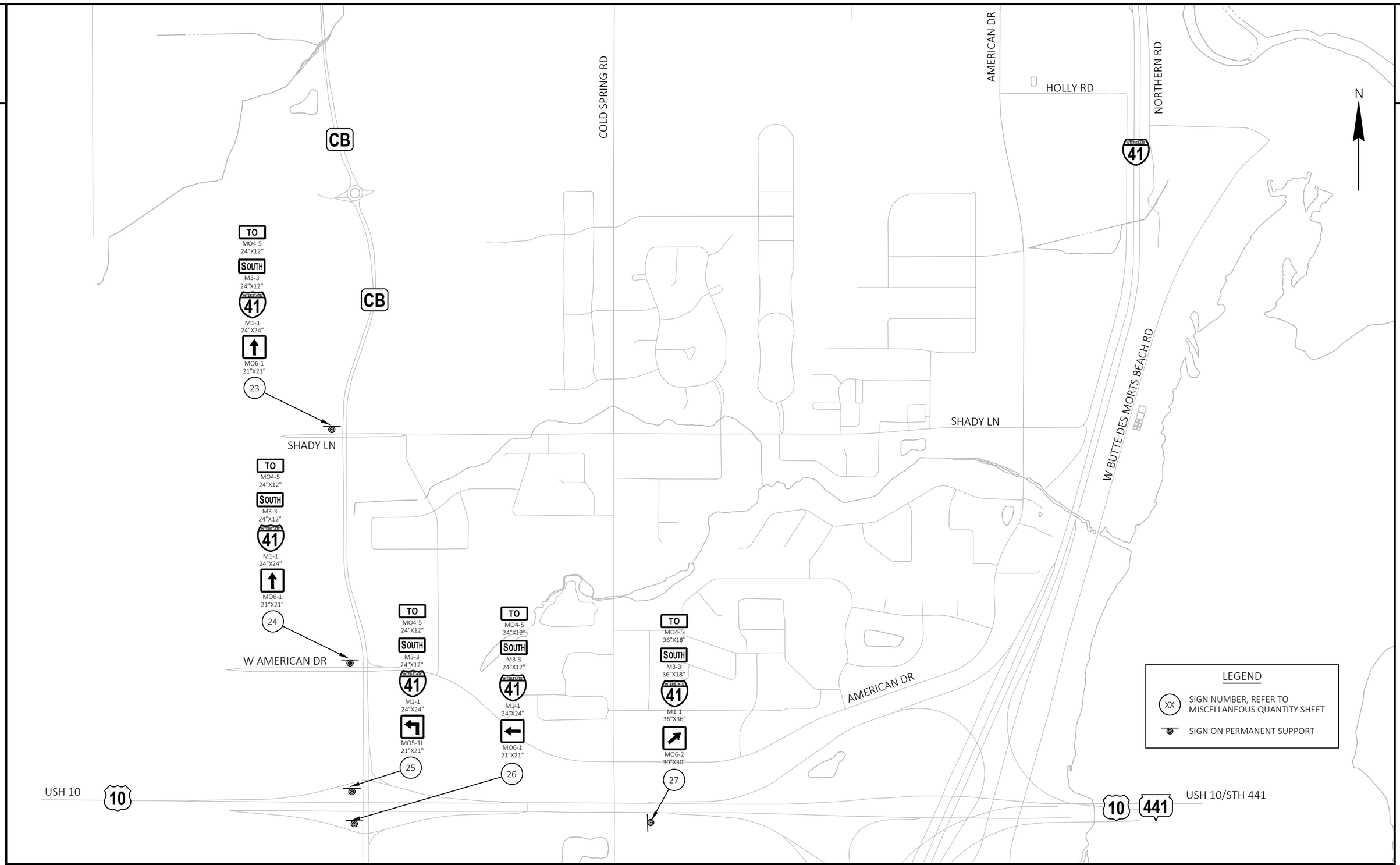
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	DETOUR ROUTE - COLLEGE AVE SB ON-RAMP CLOSURE	SHEET 215 E

FILE NAME : N:\PDS\C3D\11205730\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 6/29/2023 9:39 AM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1:900

WISDOT/CADDS SHEET 42

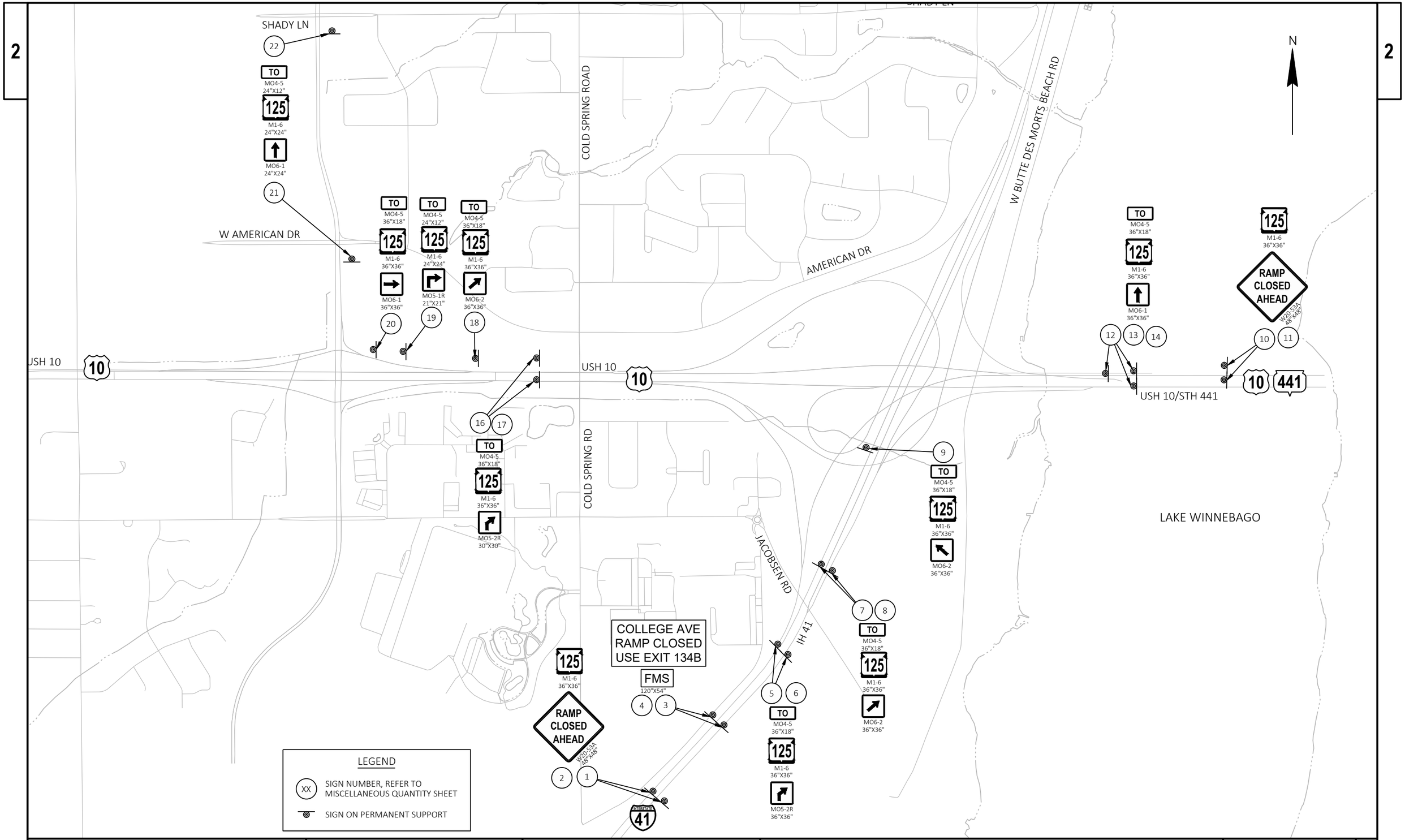
2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	DETOUR ROUTE - COLLEGE AVE SB ON-RAMP CLOSURE	SHEET 216	E

FILE NAME : N:\PDS\C3D\11205730\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027002-dt

PLOT DATE : 6/29/2023 9:39 AM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1:900



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	DETOUR ROUTE - COLLEGE AVE NB OFF-RAMP CLOSURE	SHEET 217	E

FILE NAME : N:\PDS\C3D\11205730\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 027003-dt

PLOT DATE : 6/29/2023 9:40 AM PLOT BY : SMITH, JENNIFER B PLOT NAME : PLOT SCALE : 1:900

WISDOT/CADDS SHEET 42

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	DETOUR ROUTE - COLLEGE AVE NB OFF-RAMP CLOSURE	SHEET 218 E

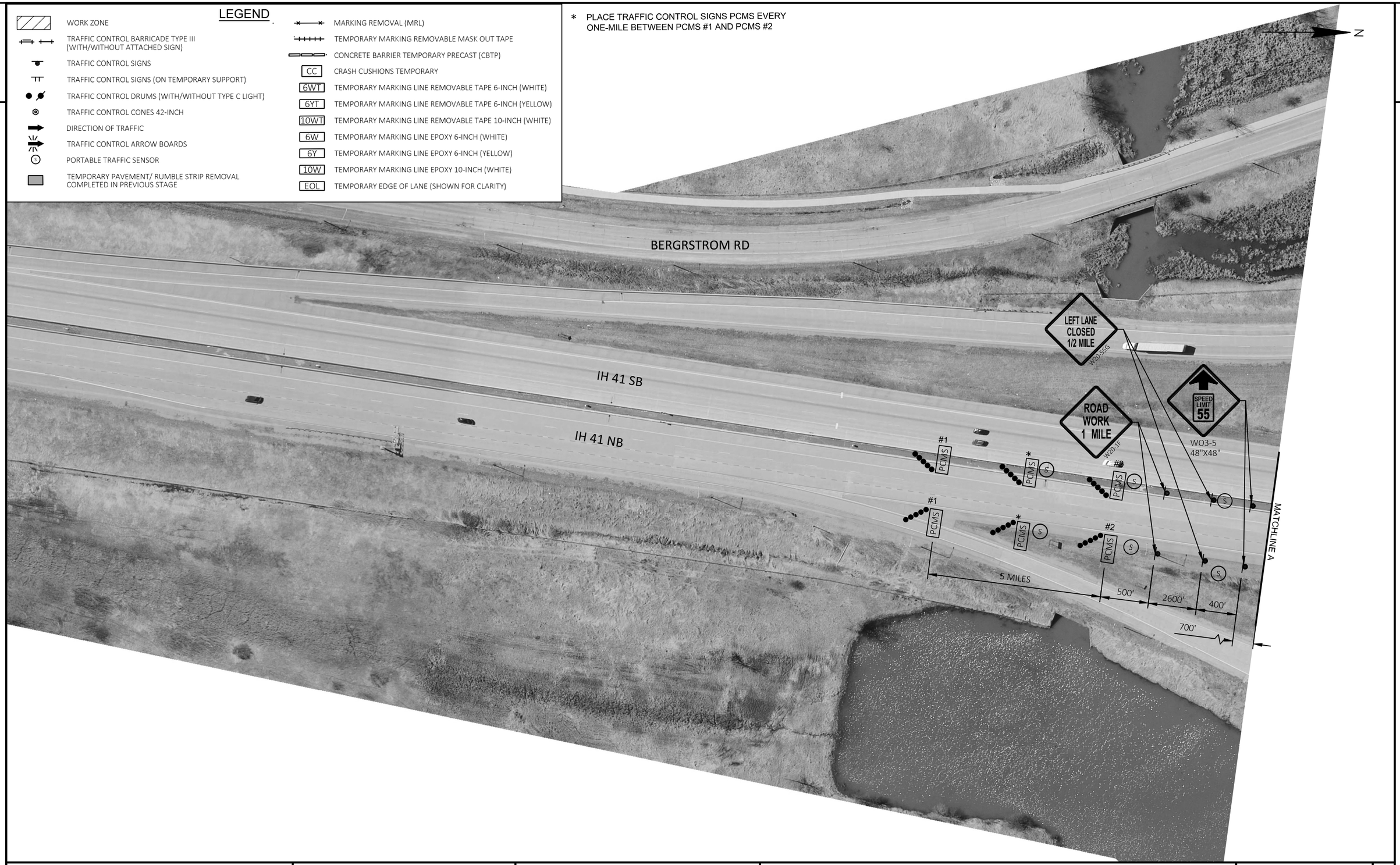
FILE NAME : N:\PDS\C3D\11205730\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 027004-dt
PLOT DATE : 6/29/2023 9:41 AM
PLOT BY : SMITH, JENNIFER B
PLOT NAME :
PLOT SCALE : 1:900
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 219	E

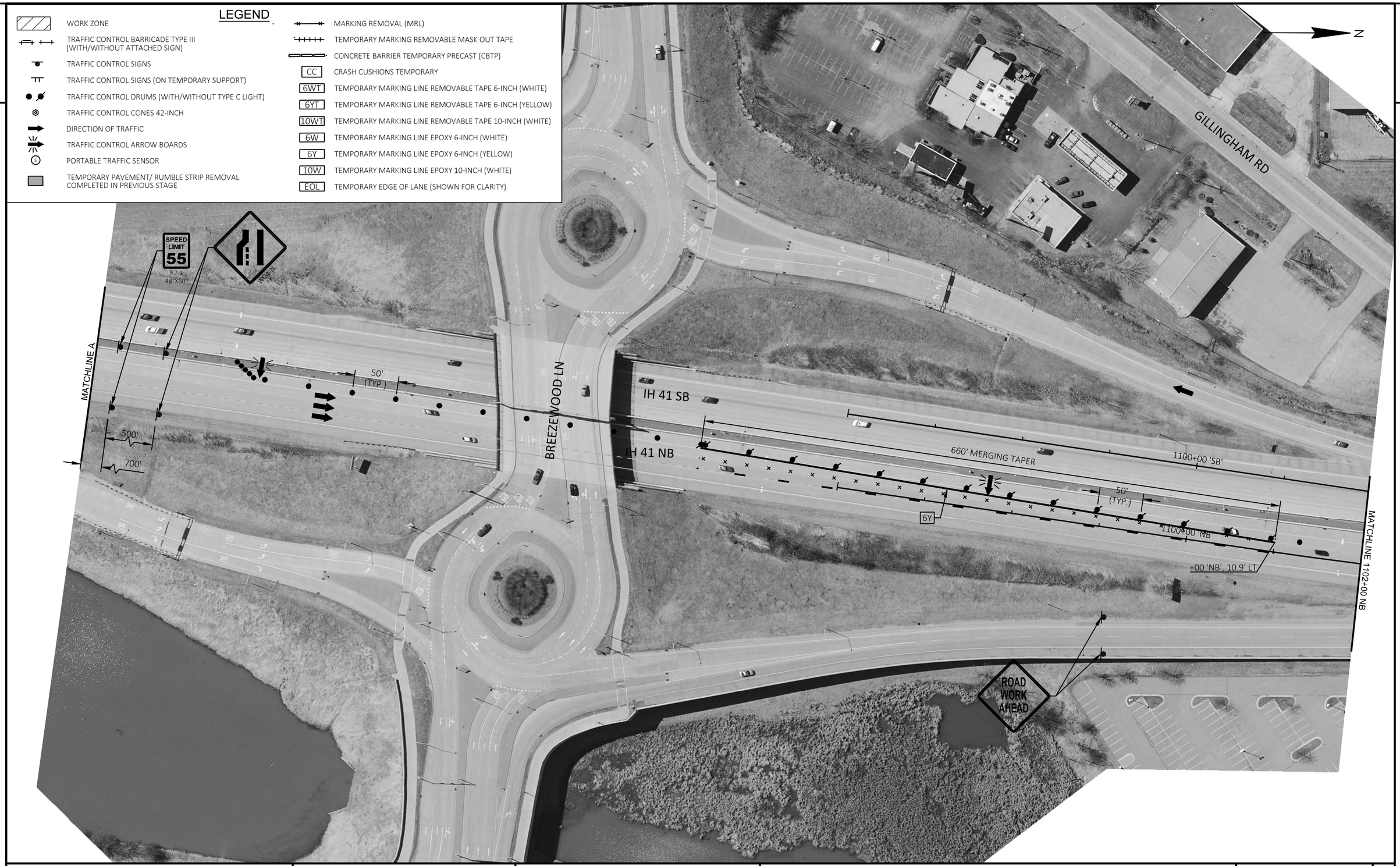
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026101-s4B

PLOT DATE : 7/27/2023 9:20 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 220	E

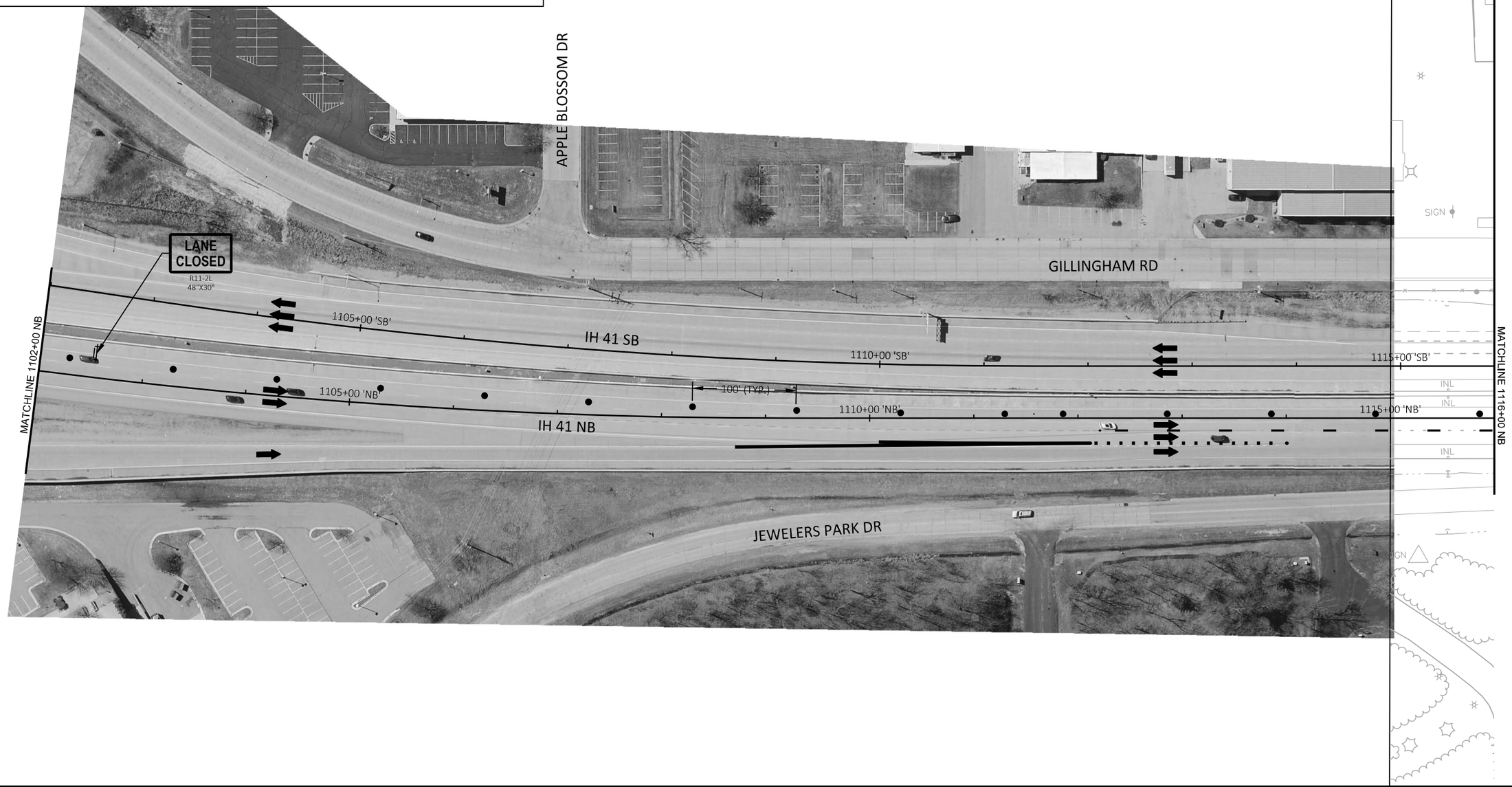
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026101a-s4B
PLOT DATE : 7/25/2023 12:37 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 221	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026101b-s4B

PLOT DATE : 7/25/2023 12:40 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

BYRD AVE

GILLINGHAM RD

GAY DR

LAUREL CT

JEWELERS PARK DR

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 70
R2-1
48"X60"

LANE CLOSED
R11-2L
48"X30"

MATCHLINE 1116+00 NB

MATCHLINE 1131+00 NB

1120+00 'SB'

1125+00 'SB'

1130+00 'SB'

IH 41 SB

100' TYP.

1120+00 'NB'

1125+00 'NB'

1130+00 'NB'

IH 41 NB

U.S.H. 41

W4D1-4BR

GOLF GREEN

POOL

SIGN

WALL

INL

MH

W

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 222	E

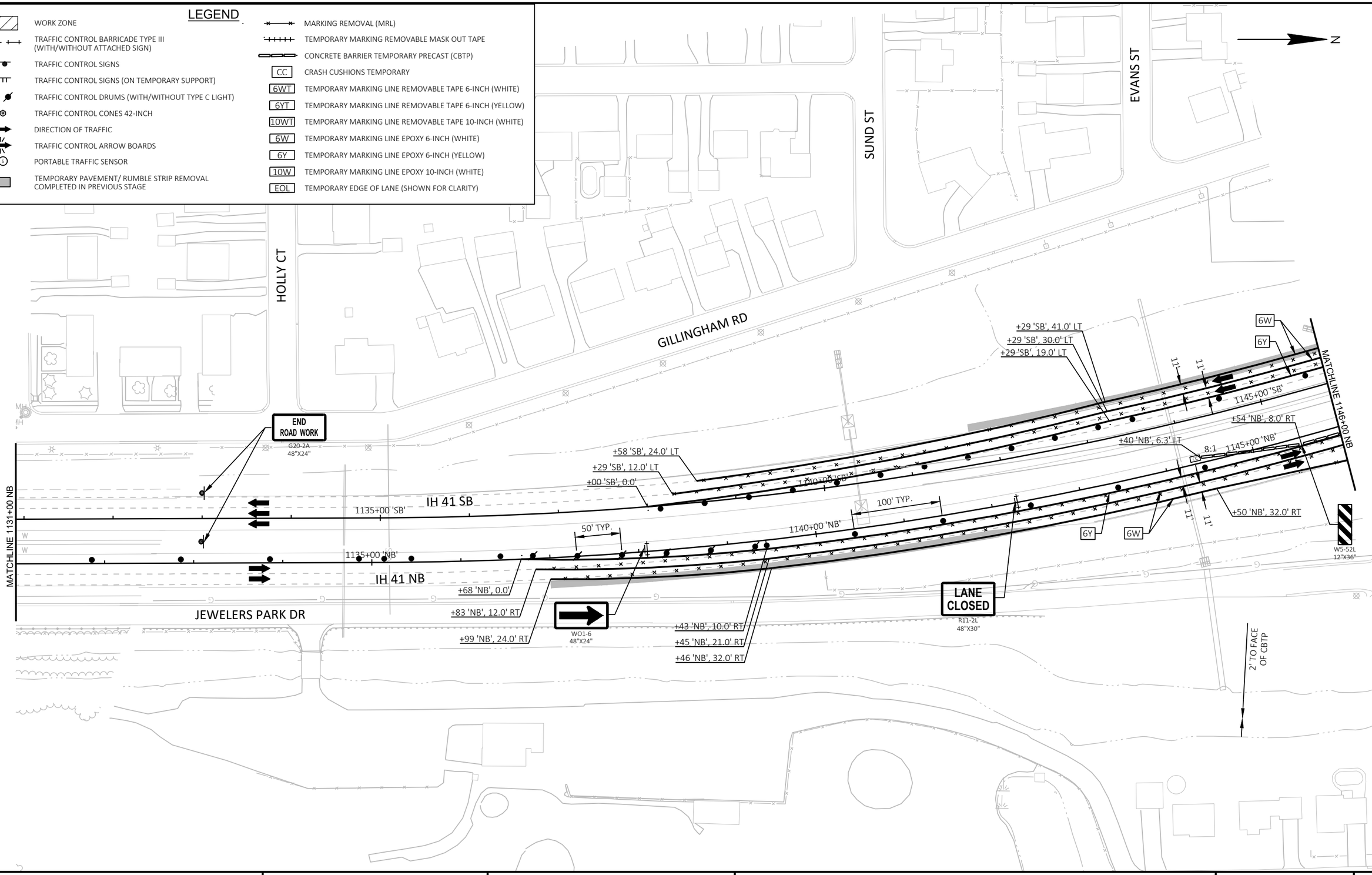
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026102-s4B

PLOT DATE : 7/10/2023 4:54 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 223	E

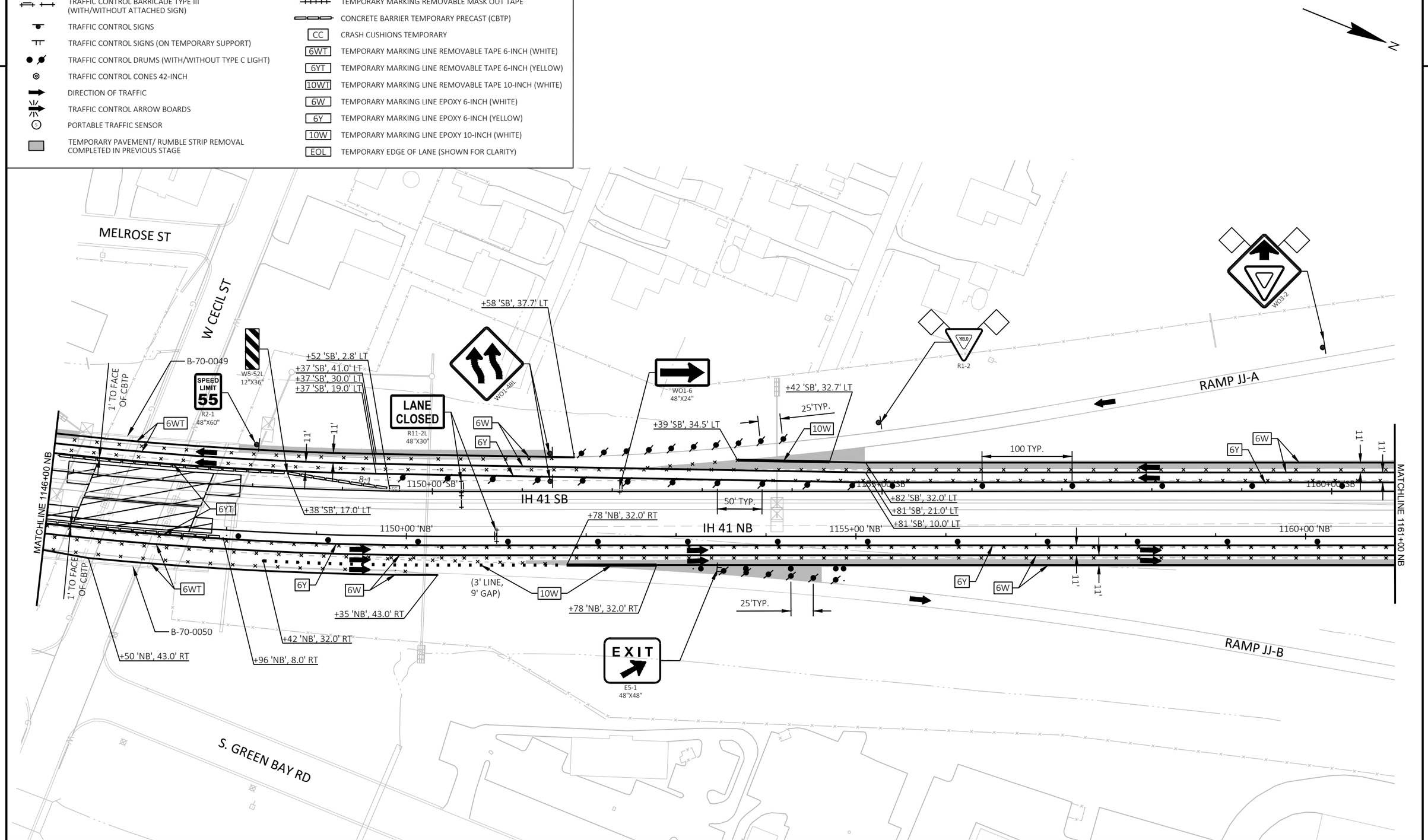
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026103-s4B

PLOT DATE : 7/10/2023 4:55 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 224	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026104-s4B

PLOT DATE : 7/27/2023 9:25 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

ROAD WORK AHEAD W20-1A

RAMP JJ-A

WO1-4BR

WO1-1R

+41 'SB', 8.0' LT

B-70-0123

1' TO FACE OF CBTP

W5-52L 12"X36"

+48 'SB', 3.1' RT

LANE CLOSED R11-2L 48"X30"

END ROAD WORK G20-2A 48"X24"

RAMP JJ-D

100 TYP.

+46 'SB', 32.0' LT

+46 'SB', 21.0' LT

+46 'SB', 10.0' LT

WO1-6 48"X24"

6WT 6W 6Y 6YT

11' 11'

1163+00 'SB'

8:1

1170+00 'SB'

+60 'SB', 8.0' LT

1170+00 'NB'

+15 'NB', 8.0' RT

1165+00 'NB'

IH 41 SB

50' TYP.

1175+00 'SB'

1175+00 'NB'

IH 41 NB

MATCHLINE 1161+00 NB

MATCHLINE 1176+00 NB

+26 'NB', 3.0' LT

+36 'NB', 8.0' RT

+88 'NB', 10.0' RT

+88 'NB', 21.0' RT

+88 'NB', 32.0' RT

+08 'NB', 24.0' RT

+36 'NB', 12.0' RT

+64 'NB', 0.0'

1' TO FACE OF CBTP

WINNECONNE AVE

W5-52L 12"X36"

B-70-0124

END ROAD WORK G20-2A 48"X24"

RAMP JJ-B

RAMP JJ-C

ROAD WORK AHEAD W20-1A

WO1-4BL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 225	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026105-s4B

PLOT DATE : 7/10/2023 4:57 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

+63 'SB', 24.0' LT
+92 'SB', 12.0' LT
+20 'SB', 0.0'
RAMP JJ-D
100' (TYP.)
1180+00 'SB'
IH 41 SB
1185+00 'SB'
1190+00 'SB'
LANE CLOSED
R11-2L
48"X30"
W01-4BR
MATCHLINE 1176+00 NB
MATCHLINE 1191+00 NB
1180+00 'NB'
1185+00 'NB'
1190+00 'NB'
IH 41 NB
100' (TYP.)
RAMP JJ-C
LANE CLOSED
R11-2L
48"X30"
SPEED LIMIT 55
R2-1
48"X60"

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 226	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026106-s4B
PLOT DATE : 7/10/2023 4:58 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

MATCHLINE 1191+00 NB

LANE CLOSED
R11-2L
48"X30"

1195+00 'SB'

IH 41 SB

1200+00 'SB'

100' (TYP.)

1205+00 'SB'

MATCHLINE 1206+00 NB

1195+00 'NB'

1200+00 'NB'

1205+00 'NB'

IH 41 NB

RAMP MS-A

100' (TYP.)

W01-4BR

LANE CLOSED
R11-2L
48"X30"

T E

W SAN G

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 227	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026107-s4B

PLOT DATE : 7/10/2023 4:59 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

EXIT
E5-1
48"X48"

RAMP MS-B

+77 'SB', 32.0' LT
25' (TYP.)
10W
1' TO FACE OF CBTP
+77 'SB', 32.0' LT
B-70-0125
+13 'SB', 32.0' LT
+13 'SB', 21.0' LT
+13 'SB', 10.0' LT
+13 'SB', 8.0' LT
+93 'SB', 33.4' LT
+93 'SB', 22.4' LT
+93 'SB', 11.4' LT
+93 'SB', 9.4' LT
+08 'SB', 2.9' RT
3' LINE
9' GAP
LANE CLOSED
R11-2L
48"X30"
+42 'SB', 36.0' LT

LANE CLOSED
R11-2L
48"X30"
+68 'SB', 24.0' LT
+40 'SB', 12.0' LT
+13 'SB', 0.0'
+88 'SB', 32.0' LT
+88 'SB', 21.0' LT
+88 'SB', 10.0' LT
6W
6WT
11'
100' (TYP.)
1210+00 'SB'
IH 41 SB
1215+00 'SB'
8:1
1220+00 'SB'
6Y
50' (TYP.)
+96 'NB', 3.1' LT
6YT
6W
MATCHLINE 1206+00 NB
1210+00 'NB'
IH 41 NB
1215+00 'NB'
1220+00 'NB'
MATCHLINE 1221+00 NB
+75 'NB', 24.0' RT
+48 'NB', 12.0' RT
+20 'NB', 0.0'
+95 'NB', 10.0' RT
+95 'NB', 21.0' RT
+95 'NB', 32.0' RT
11'
WO1-6
48"X24"
RAMP MS-A
LANE CLOSED
R11-2L
48"X30"
END ROAD WORK
G20-2A
48"X24"
W5-52L
12"X36"
+85 'NB', 8.0' RT
1' TO FACE OF CBTP
B-70-0126
+66 'NB', 8.0' RT
W5-52L
12"X36"
MAIN ST
SIGN
CEMETERY
INL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 228	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026108-s4B
PLOT DATE : 7/27/2023 9:28 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

CTH O

CEMETERY

POOL

MH

SIGN

W5-52L 12"X36"

W01-4BL

LANE CLOSED R11-2L 48"X30"

B-70-0127

+33 'SB', 42.0' LT
+33 'SB', 31.0' LT
+33 'SB', 20.0' LT
+33 'SB', 17.0' LT

+90 'SB', 2.7' LT

+91 'SB', 42.0' LT
+91 'SB', 31.0' LT
+91 'SB', 20.0' LT

+76 'SB', 17.0' LT

6W 6Y 6YT 6WT

100' (TYP.)

50' (TYP.)

11'

8:1

2' TO FACE OF CBTP

1' TO FACE OF CBTP

BERM

INL

1225+00 'SB'

1230+00 'SB'

1235+00 'SB'

IH 41 SB

IH 41 NB

1225+00 'NB'

1230+00 'NB'

1235+00 'NB'

MATCHLINE 1221+00 NB

MATCHLINE 1236+00 NB

+97 'NB', 2.8' LT

+86 'NB', 8.0' RT

+54 'NB', 8.0' RT

+04 'NB', 10.0' RT
+04 'NB', 21.0' RT
+05 'NB', 32.0' RT

+25 'NB', 24.0' RT
+52 'NB', 12.0' RT
+79 'NB', 0.0'

W01-4BR

RIDGEWAY DR

A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 229	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026109-s4B

PLOT DATE : 7/10/2023 5:01 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

GLENVIEW DR

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 55
R2-1
48"X60"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

WO1-4BR

RAMP II-A

RAMP II-B

IH 41 SB

IH 41 NB

MATCHLINE 1236+00 NB

MATCHLINE 1251+00 NB

+11 'SB', 12.0' LT
+83 'SB', 24.0' LT
1240+00 'SB'
100' (TYP.)
1240+00 'NB'
100' (TYP.)
WO1-6
48"X24"
+74 'NB', 0.0'
+89 'NB', 12.0' RT
+06 'NB', 24.0' RT
1245+00 'SB'
1245+00 'NB'
50' (TYP.)
WO1-6
48"X24"
+19 'SB', 36.0' LT
+91 'SB', 24.0' LT
+63 'SB', 12.0' LT
1250+00 'SB'
1250+00 'NB'
+49 'NB', 10.0' RT
+49 'NB', 21.0' RT
+49 'NB', 32.0' RT
6W
6Y
6W

CEMETERY
CEMETERY
CEMETERY

BERM
BERM

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 230	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026110-s4B

PLOT DATE : 7/10/2023 5:02 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND LANE CLOSURE THROUGH LEFT TURN LANE

N

RAMP II-A

RAMP II-B

RAMP II-C

RAMP II-D

CTH II

IH 41 SB

IH 41 NB

GREEN BAY RD

WCL RR

MATCHLINE 1251+00 NB

MATCHLINE 1266+00 NB

+38 'SB', 44.0' LT
+38 'SB', 33.0' LT
+38 'SB', 22.0' LT
+87 'SB', 17.0' LT
+20 'SB', 17.0' LT
+35 'SB', 44.0' LT
+35 'SB', 33.0' LT
+35 'SB', 22.0' LT
+82 'SB', 24.0' LT
+39 'SB', 36.6' LT
+50 'NB', 3.1' LT
+39 'NB', 8.0' RT
+34 'SB', 2.7' LT
+09 'NB', 8.0' RT
+21 'NB', 4.0' LT
+00 'NB', 8.8' RT
+69 'NB', 32.0' RT
+24 'NB', 10.0' RT
+96 'NB', 21.0' RT

1255+00 'SB'
1255+00 'NB'
1260+00 'SB'
1260+00 'NB'
1265+00 'SB'
1265+00 'NB'

100' (TYP.)
50' (TYP.)
25' (TYP.)
*45' (TYP.)
11'
4' TO FACE OF CBTP
1' TO FACE OF CBTP
3' TO FACE OF CBTP
8:1

B-70-0129
B-70-0130

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

ROAD CLOSED
R11-2
48"X30"

STAY IN LANE
R4-9
48"X60"

45 MPH
WO13-1
36"X36"

WO1-4BR
WO1-4BL
WO1-2R
WO1-6
48"X24"

WO5-52L
12"X36"

R3-2
R3-1

MAINTAIN STAGE 3C PAVEMENT MARKINGS NB

** PLACE AT EHLERS RD

RIPRAP
CANOPY
SIGN
A/C
INL
MH
W

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 231	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026111-s4B

PLOT DATE : 7/27/2023 9:30 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

** PLACE AT AMERICAN DR

ROAD CLOSED
R11-2
48"X30"

GREEN BAY RD

RAILROAD

NATIONAL

AMERICAN DR

W

MH

B-70-0131

MOTORCYCLES USE LEFT OR CENTER LANE
FMS
96"X54"

W01-4BR

B-70-0132

+10 'SB', 12.0' LT

1270+00 'SB'

IH 41 SB

100' (TYP.)

1275+00 'SB'

+05 'NB', 15.5' RT

IH 41 NB

1270+00 'NB'

1275+00 'NB'

12'

12'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

100' (TYP.)

1280+00 'SB'

1280+00 'NB'

MATCHLINE 1266+00 NB

MATCHLINE 1281+00 NB

W01-4BL

+12 'NB', 15.5' RT
+12 'NB', 19.5' RT
+12 'NB', 31.5' RT
+01 'NB', 43.5' RT

+80 'NB', 19.5' RT
+80 'NB', 31.5' RT
+80 'NB', 43.5' RT

50' (TYP.)

+00 'NB', 12.0' RT
+00 'NB', 24.0' RT
+01 'NB', 36.0' RT

MAINTAIN STAGE 3A PAVEMENT MARKINGS NB

RIPRAP

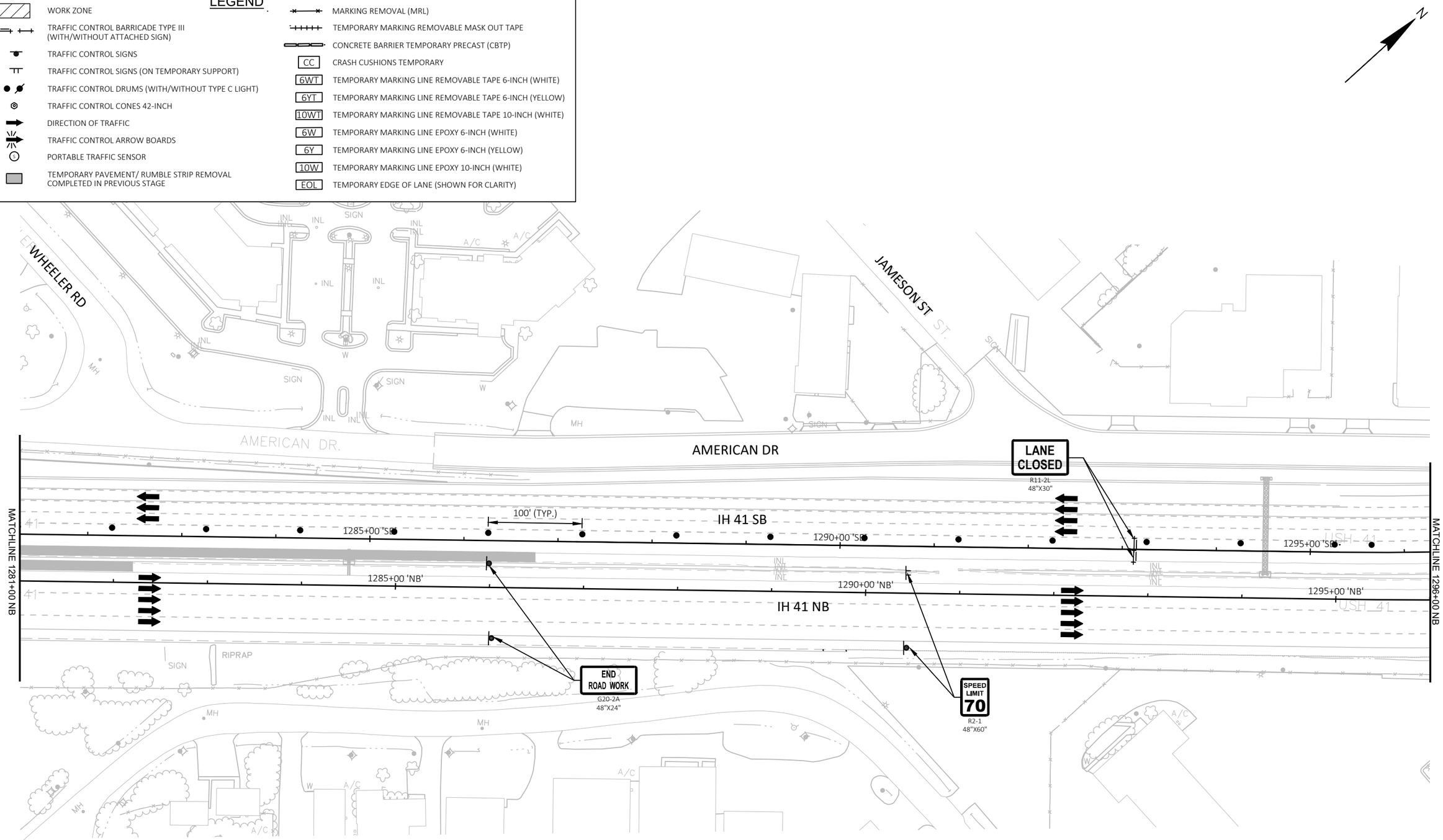
WCL RR

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 232	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026112-s4B
PLOT DATE : 7/10/2023 5:04 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



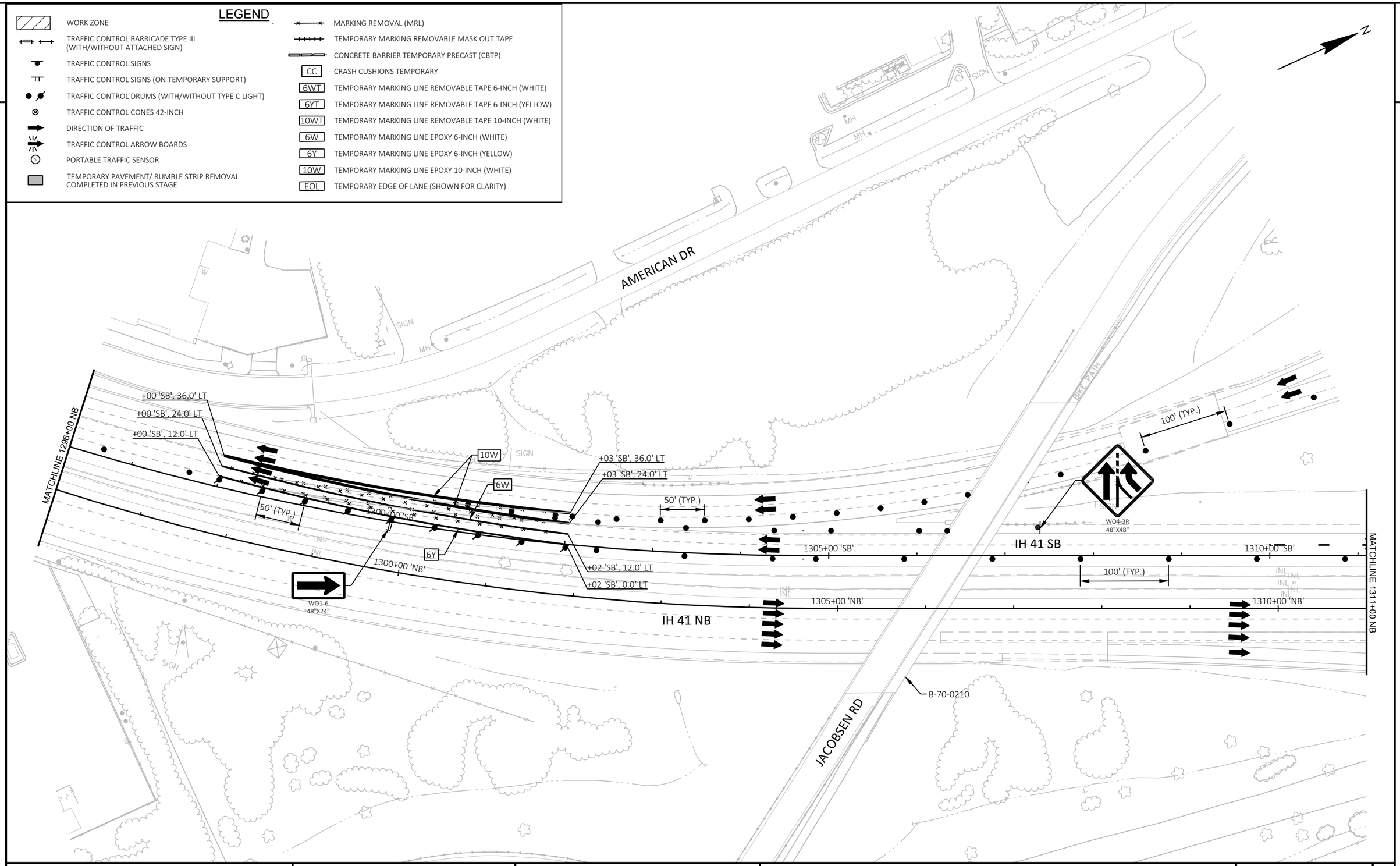
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 233	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026113-s4B
PLOT DATE : 7/10/2023 5:05 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 234	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026114-s4B
PLOT DATE : 7/10/2023 5:06 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

W04-5
48"X48"

W04-1R

100' (TYP.)

LANE CLOSED
R11-2L
48"X30"

W01-4BR

LANE CLOSED
R11-2L
48"X30"

+00 'SB', 0.0'

MRL

+60 'SB', 12.0' RT

1315+00 'SB'

IH 41 SB

1320+00 'SB'

1325+00

MATCHLINE 1311+00 NB

100' (TYP.)

50' (TYP.)

6Y

50' (TYP.)

1315+00 'NB'

1320+00 'NB'

1325+

IH 41 NB

MATCHLINE 1325+00 NB

LANE CLOSED
R11-2L
48"X30"

N

BIKE PATH

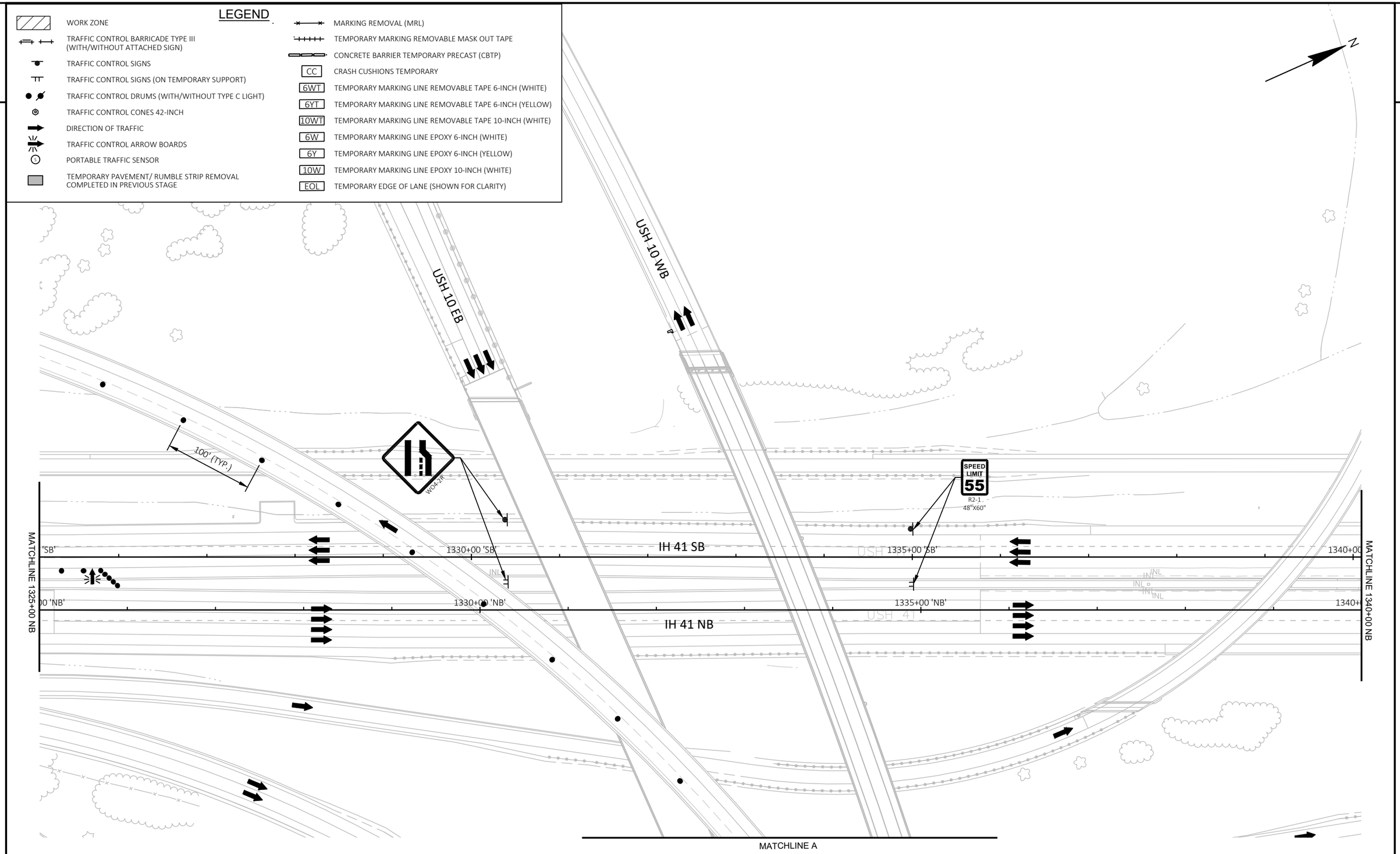
USH 41

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 235	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 236	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026116-s4B

PLOT DATE : 7/10/2023 5:08 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

MORRIS

PIER

PIER

RAILROAD

MATCHLINE A

LANE CLOSED
R11-2L
48"X30"

USH 10 WB/STH 441 SB

MATCHLINE B

USH 10 EB/STH 441 NB

NATIONAL

LAKE ST.

MH

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 237	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026116a-s4B
PLOT DATE : 7/10/2023 5:09 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

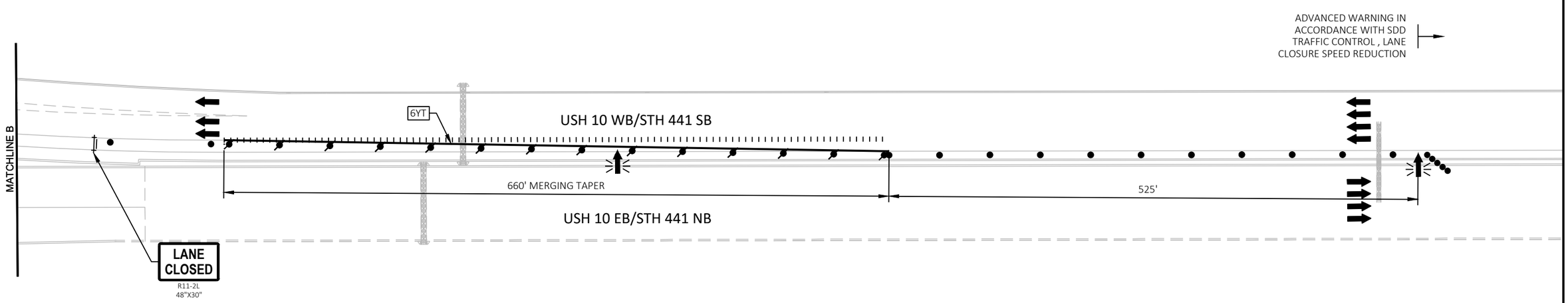
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 238	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

SPEED LIMIT 55
WO3-5
48"X48"

LEFT LANE CLOSED 1/2 MILE
W20-5G

ROAD WORK 1 MILE
W20-1F

MATCHLINE 1340+00 NB

MATCHLINE 1355+00 NB

'SB' 1345+00 'SB' 1350+00 'SB' 1355+00

'NB' 1345+00 'NB' 1350+00 'NB' 1355+

USH 41

I SIGN

MH

INL

RAILROAD

NATIONAL

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 239	E

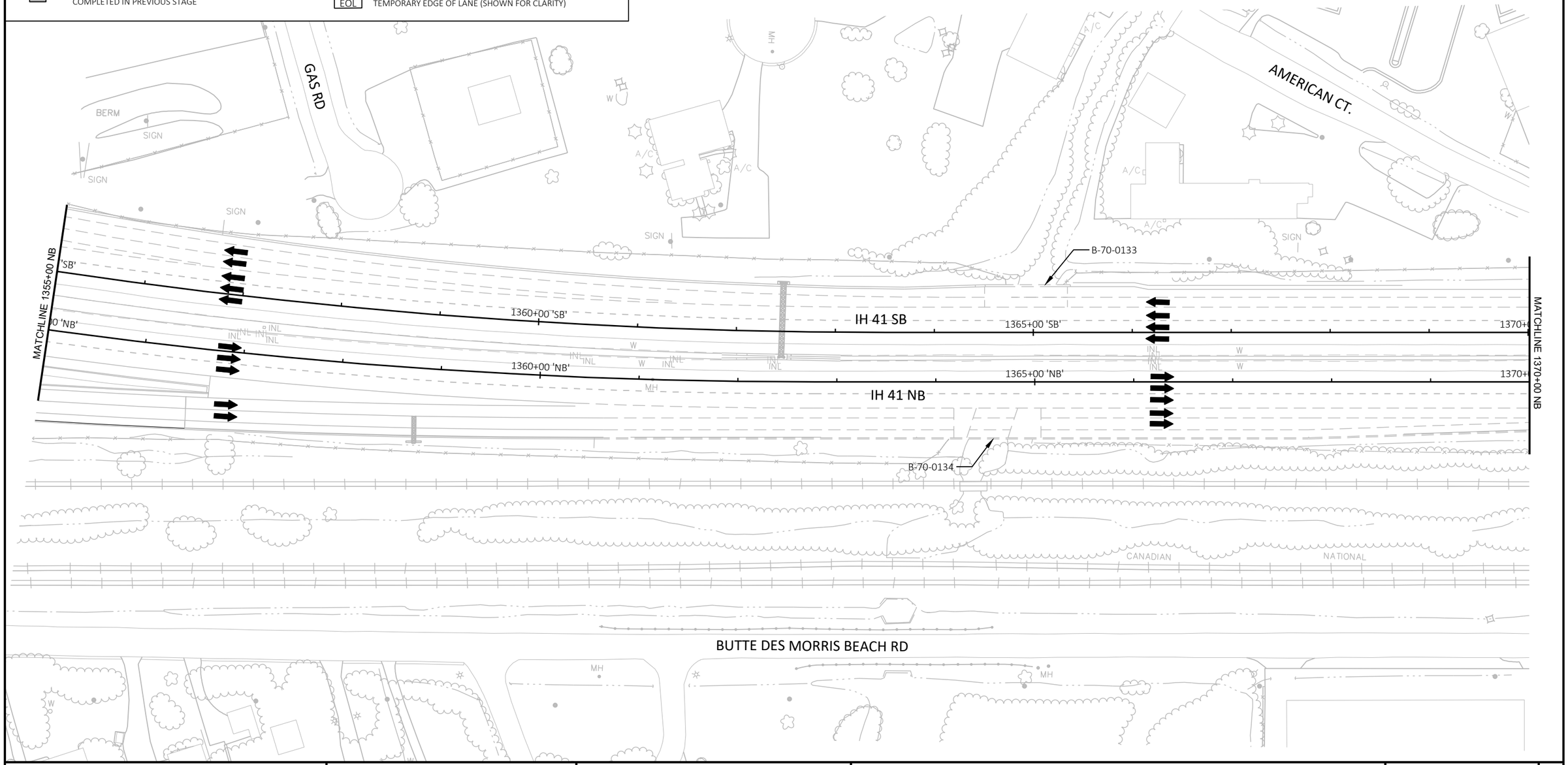
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026117-s4B

PLOT DATE : 7/27/2023 9:32 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 240	E

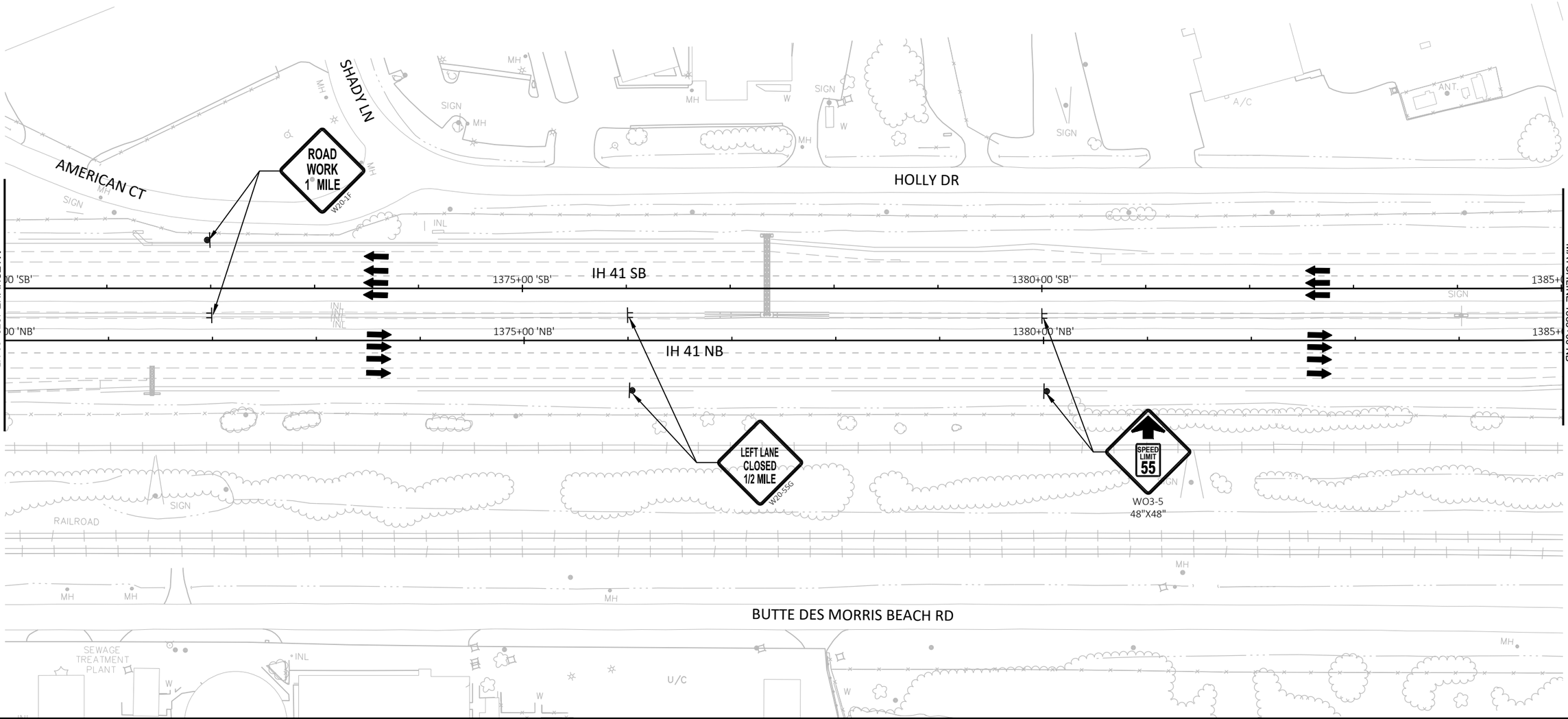
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026118-s4B
PLOT DATE : 7/10/2023 5:12 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 241	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026119-s4B

PLOT DATE : 7/27/2023 9:34 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

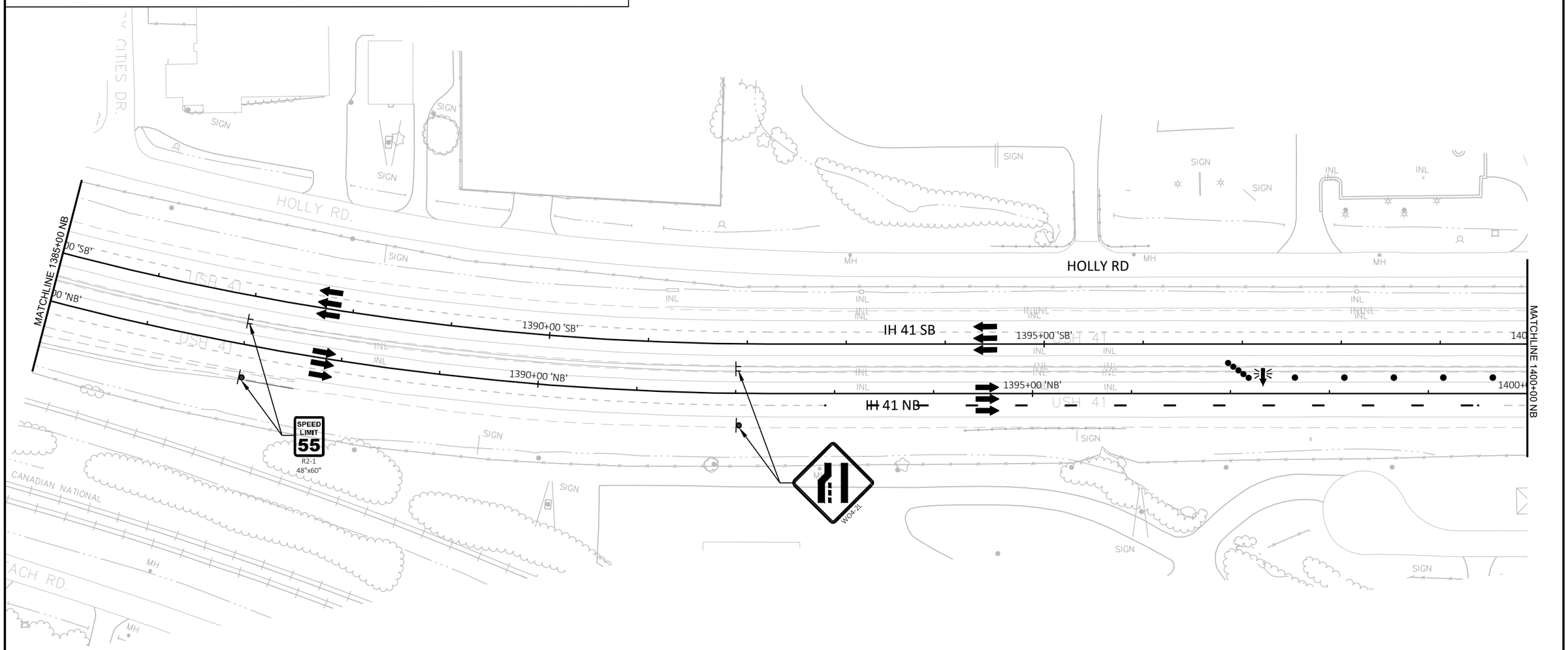
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 242	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026120-s4B

PLOT DATE : 7/10/2023 5:14 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

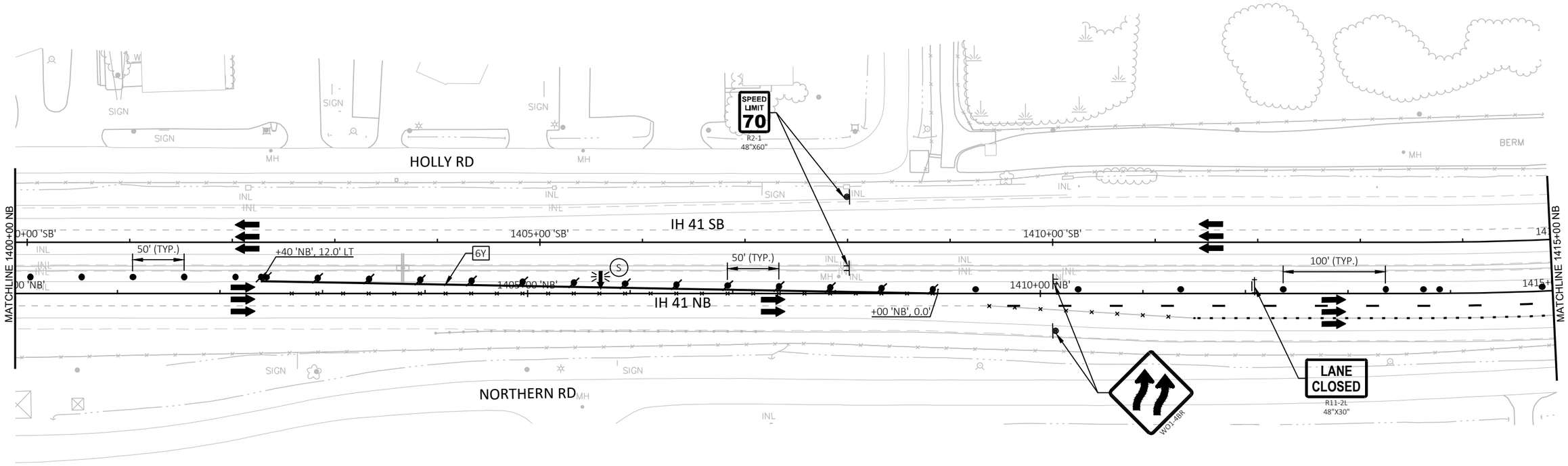
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

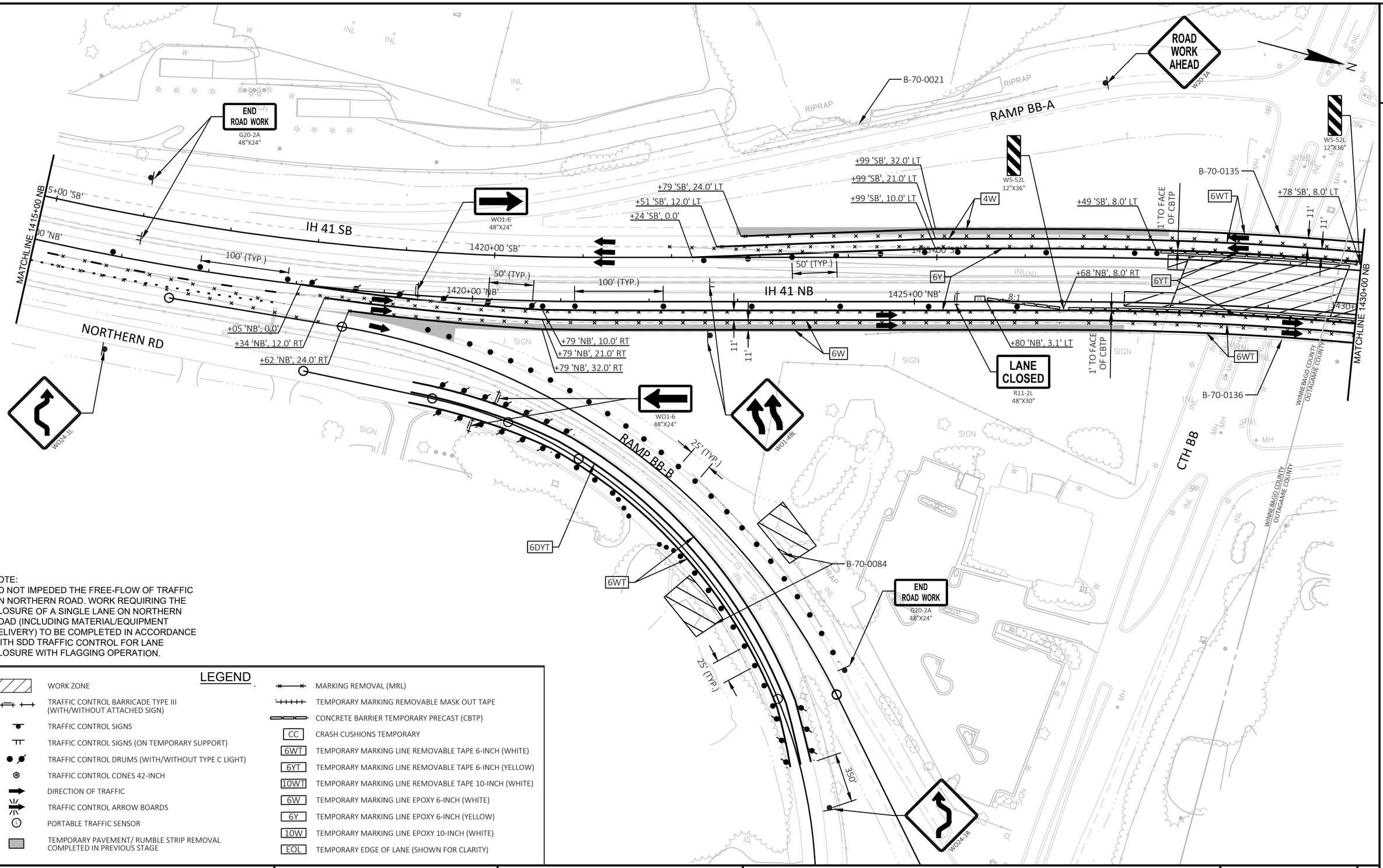


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 4B	SHEET 243	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026121-s4b

PLOT DATE : 7/10/2023 5:15 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



NOTE:
DO NOT IMPEDED THE FREE-FLOW OF TRAFFIC ON NORTHERN ROAD. WORK REQUIRING THE CLOSURE OF A SINGLE LANE ON NORTHERN ROAD (INCLUDING MATERIAL/EQUIPMENT DELIVERY) TO BE COMPLETED IN ACCORDANCE WITH SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 244	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026122-s4B
PLOT DATE : 7/27/2023 9:36 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

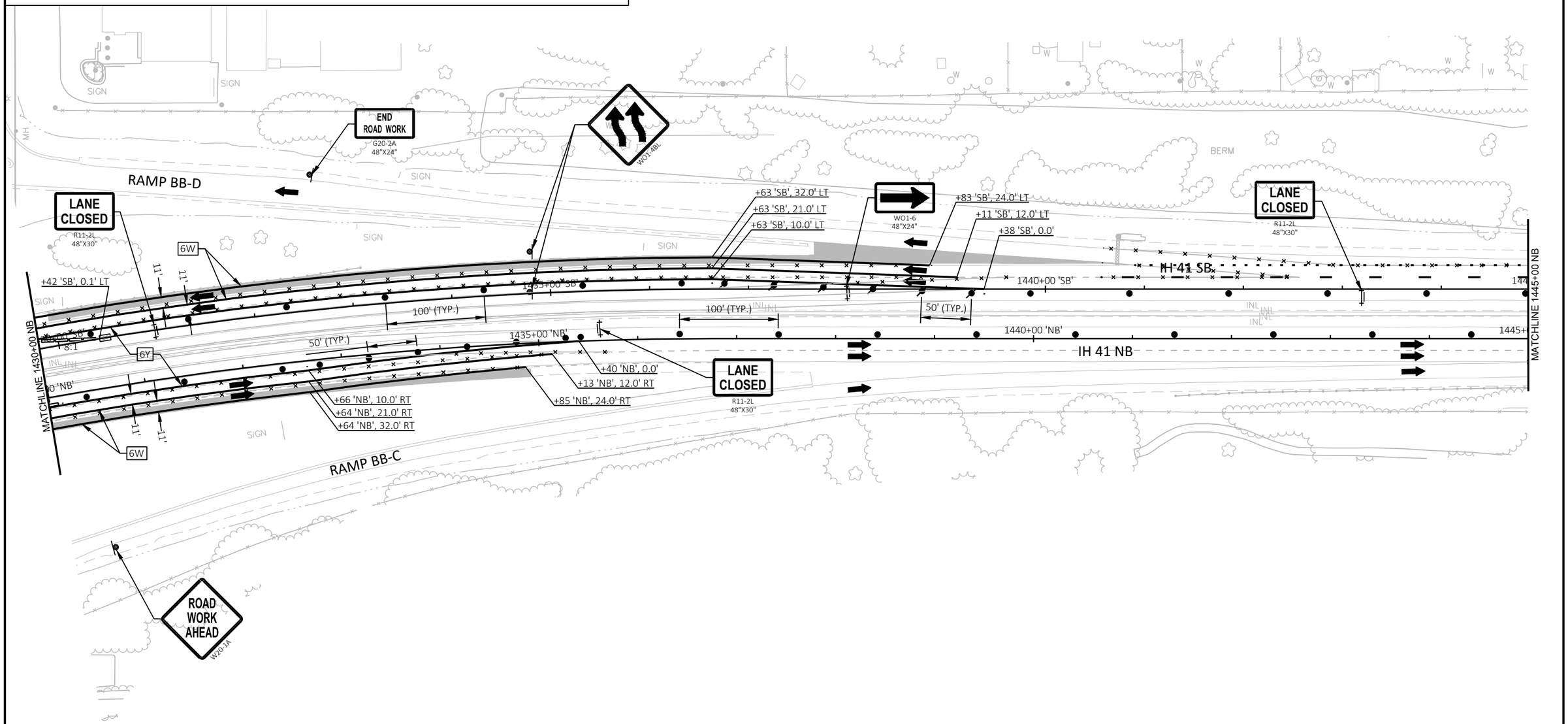
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 245	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026123-s4B

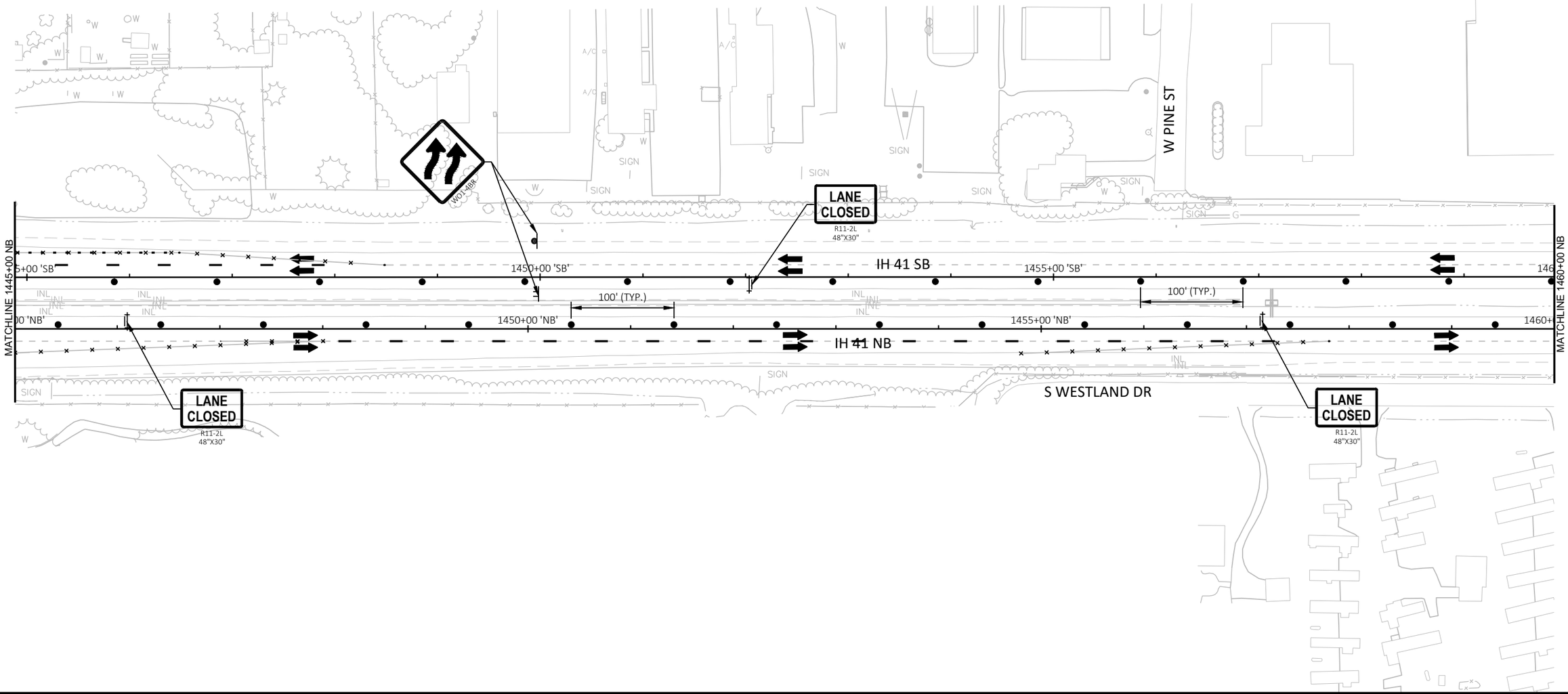
PLOT DATE : 7/10/2023 5:17 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 246	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026124-s4B

PLOT DATE : 7/10/2023 5:18 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 55
R2-1
48"X60"

LANE CLOSED
R11-2L
48"X30"

W01-4BR

MATCHLINE 1460+00 NB

MATCHLINE 1475+00 NB

1465+00 'SB'

1470+00 'SB'

1465+00 'NB'

1470+00 'NB'

IH 41 SB

IH 41 NB

100' (TYP.)

100' (TYP.)

50' (TYP.)

+64 'SB', 12.0' LT
+37 'SB', 0.0'

+44 'NB', 0.0'
+72 'NB', 12.0' RT
+99 'NB', 24.0' RT

S WESTLAND DR

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 247	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026125-s4B

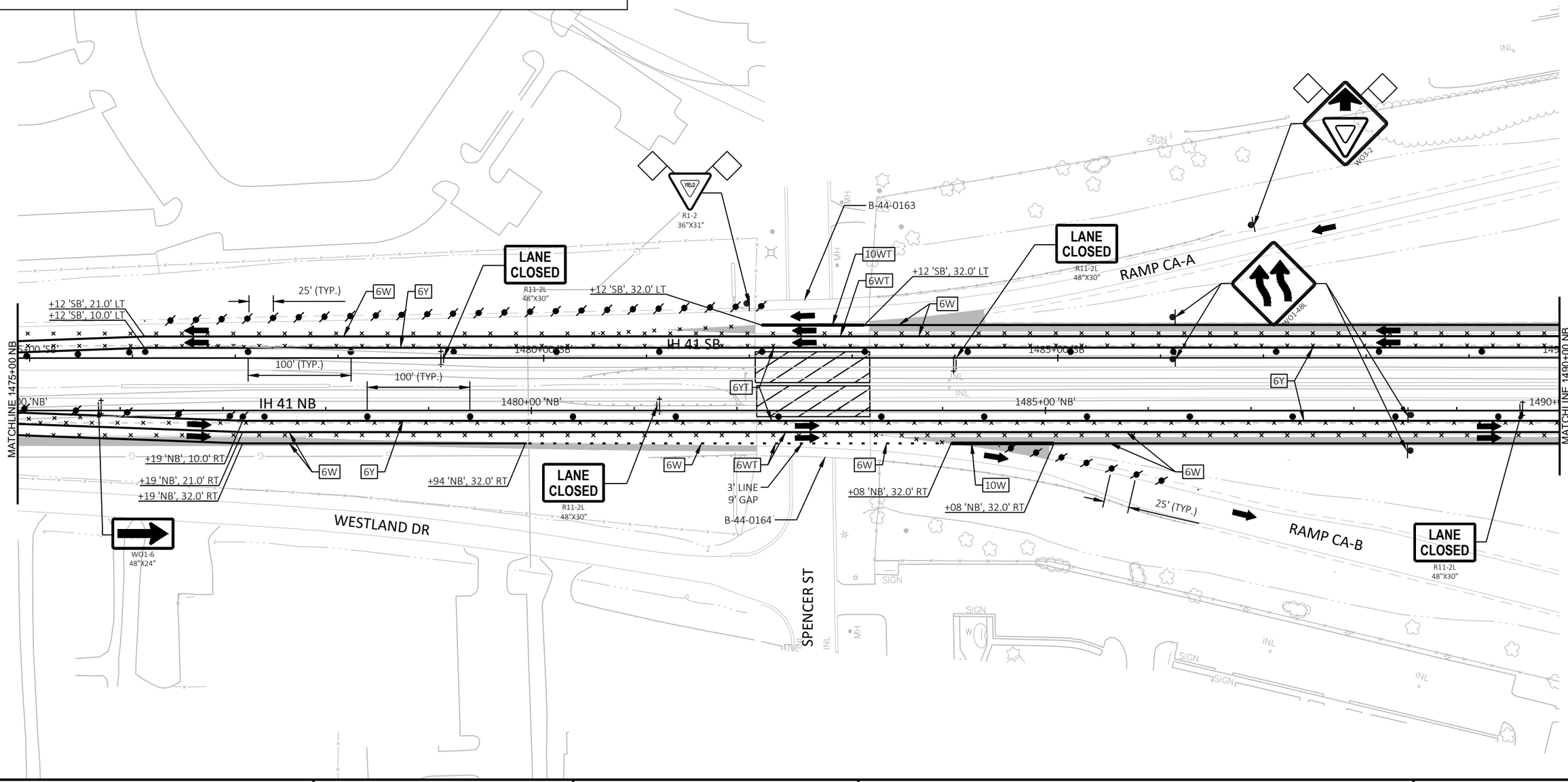
PLOT DATE : 7/10/2023 5:19 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 248	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026126-s4B

PLOT DATE : 7/27/2023 9:38 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

ROAD WORK AHEAD
W20-1A

RAMP CA-A

WO4-1R

END ROAD WORK
G20-2A
48"X24"

RAMP CA-D

W5-52L
12"X36"

CTH CA

6WT

B-44-0155

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

MATCHLINE 1490+00 NB

MATCHLINE 1505+00 NB

IH 41 SB

IH 41 NB

6W 6Y 6YT 6WT 10WT 10W EOL

+13 'SB', 8.0' LT
+32 'SB', 8.0' LT
+34 'SB', 4.7' RT
+34 'SB', 32.0' LT
+34 'SB', 21.0' LT
+34 'SB', 10.0' LT
+82 'SB', 12.0' LT
+55 'SB', 24.0' LT
1500+00 'SB'
1505+00 'SB'
1495+00 'SB'
100' (TYP.)
50' (TYP.)
8:1
11'
1' TO FACE OF CBTP

+62 'NB', 3.1' LT
+51 'NB', 8.0' RT
+09 'NB', 8.0' RT
1495+00 'NB'
1500+00 'NB'
1505+00 'NB'
+30 'NB', 0.0'
+03 'NB', 12.0' RT
+59 'NB', 10.0' RT
+59 'NB', 21.0' RT
+59 'NB', 32.0' RT
+75 'NB', 24.0' RT

W5-52L
12"X36"

B-44-0156

SHOULDER WORK
W21-5

RAMP CA-C

25' (TYP.)

B-44-0062

END ROAD WORK
G20-2A
48"X24"

RAMP CA-B

STH 125

SIGN

U/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 249	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026127-s4b

PLOT DATE : 7/10/2023 5:21 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

LANE CLOSED
R11-2L
48"X30"

WO1-4BR

SPEED LIMIT 55
R2-1
48"X60"

IH 41 SB

IH 41 NB

RAMP CA-C

+10 'SB', 0.0'

1505+00 'SB'

1510+00 'SB'

1515+00 'SB'

1520+00 'SB'

1510+00 'NB'

1515+00 'NB'

1520+00 'NB'

MATCHLINE 1505+00 NB

MATCHLINE 1520+00 NB

100' (TYP.)

SIGN

W

INL

MH

U/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 250	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026128-s4B

PLOT DATE : 7/10/2023 5:22 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

B-44-0165

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

RAMP WI-A

IH 41 SB

IH 41 NB

MATCHLINE 1520+00 NB

MATCHLINE 1535+00 NB

0+00 'SB'

1525+00 'SB'

1530+00 'SB'

1525+00 'NB'

1530+00 'NB'

100' (TYP.)

50' (TYP.)

+17 'NB', 0.0'

+00 'SB', 0.0'

+28 'SB', 12.0' LT

+55 'SB', 24.0' LT

+75 'SB', 32.0' LT

+76 'SB', 21.0' LT

+76 'SB', 10.0' LT

+25 'SB', 8.0' LT

+93 'NB', 3.2' LT

+81 'NB', 8.0' RT

+92 'NB', 10.0' RT

+92 'NB', 21.0' RT

+92 'NB', 32.0' RT

+45 'NB', 12.0' RT

+72 'NB', 24.0' RT

6W

6Y

8:1

WO1-6
48"X24"

WO1-4RL

LANE CLOSED
R11-2L
48"X30"

W5-52L
12"X36"

RAMP WI-B

END ROAD WORK
G20-2A
48"X24"

SIGN

USH 41

INL

MH

MHMH MH

FILLER CAPS

PHONE

CANOP

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 251	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026129-s4B

PLOT DATE : 7/10/2023 5:23 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

END ROAD WORK
G20-2A
48"X24"

RAMP WI-D

W5-52L
12"X36"

+33 'SB', 3.1' RT

LANE CLOSED
R11-2L
48"X30"

WO1-4L

WO1-6
48"X24"

+34 'SB', 32.0' LT
+34 'SB', 21.0' LT
+34 'SB', 10.0' LT
+54 'SB', 24.0' LT
+82 'SB', 12.0' LT
+09 'SB', 0.0'

+45 'SB', 8.0' LT

1' TO FACE OF CBTP

6WT
6YT
6Y
6W

8:1

1540+00 'SB'
1545+00 'SB'
100' (TYP.)
50' (TYP.)

IH 41 SB

MATCHLINE 1535+00 NB

1540+00 'NB'
1545+00 'NB'
1550+

IH 41 NB

MATCHLINE 1550+00 NB

+00 'NB', 8.0' RT
+51 'NB', 10.0' RT
+51 'NB', 21.0' RT
+51 'NB', 32.0' RT
+26 'NB', 0.0'
+98 'NB', 12.0' RT
+71 'NB', 24.0' RT

STH 96

RAMP WI-C

W ANT.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 252	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026130-s4b

PLOT DATE : 7/10/2023 5:24 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

SIGN

W01-4BR

LANE CLOSED
R11-2L
48"X30"

+72 'SB', 0.0'

+75 'SB', 0.0'

1555+00 'SB'

IH 41 SB

1560+00 'SB'

0+00 'SB'

100' (TYP.)

MATCHLINE 1550+00 NB

1555+00 'NB'

IH 41 NB

1560+00 'NB'

MATCHLINE 1565+00 NB

END ROAD WORK
G20-2A
48"X24"

CANADIAN NATIONAL RAILWAY

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 253	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026131-s4b

PLOT DATE : 7/10/2023 5:25 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

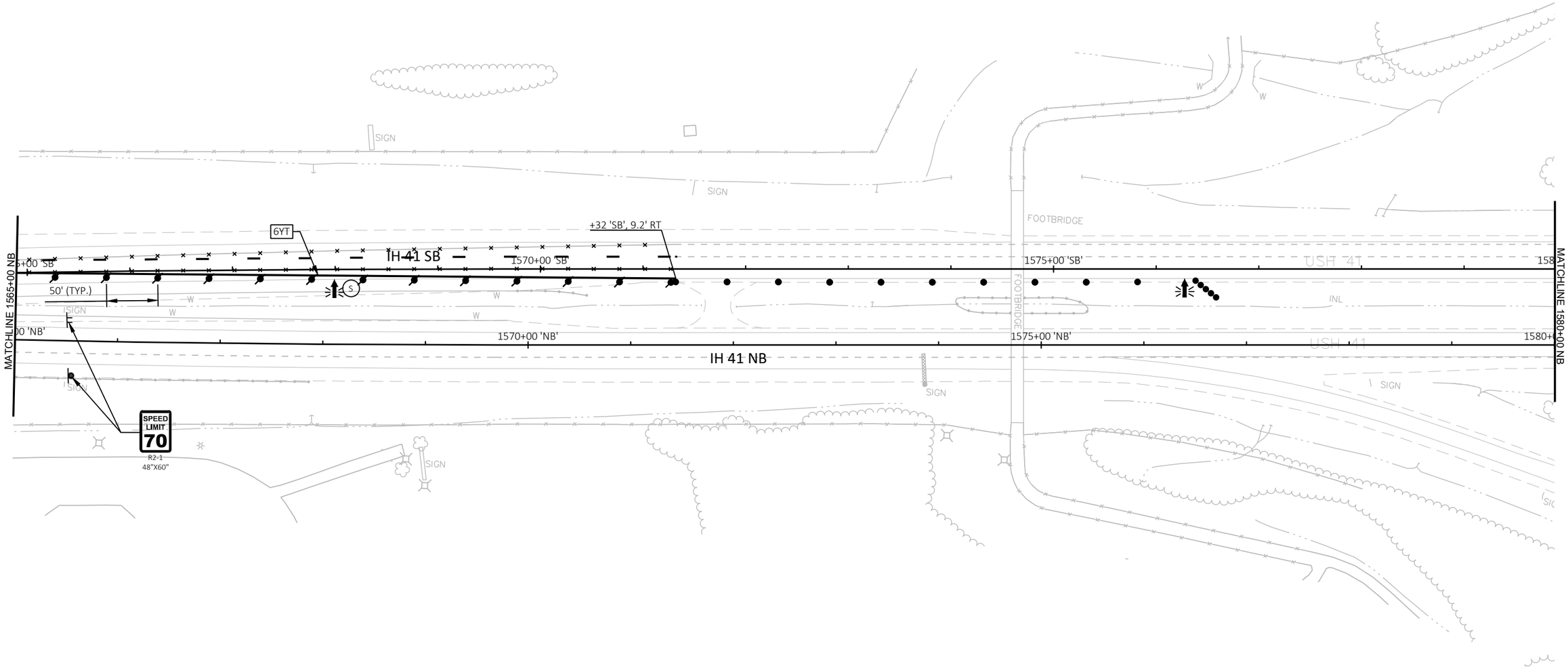
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 254	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026132-s4B

PLOT DATE : 7/10/2023 5:26 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

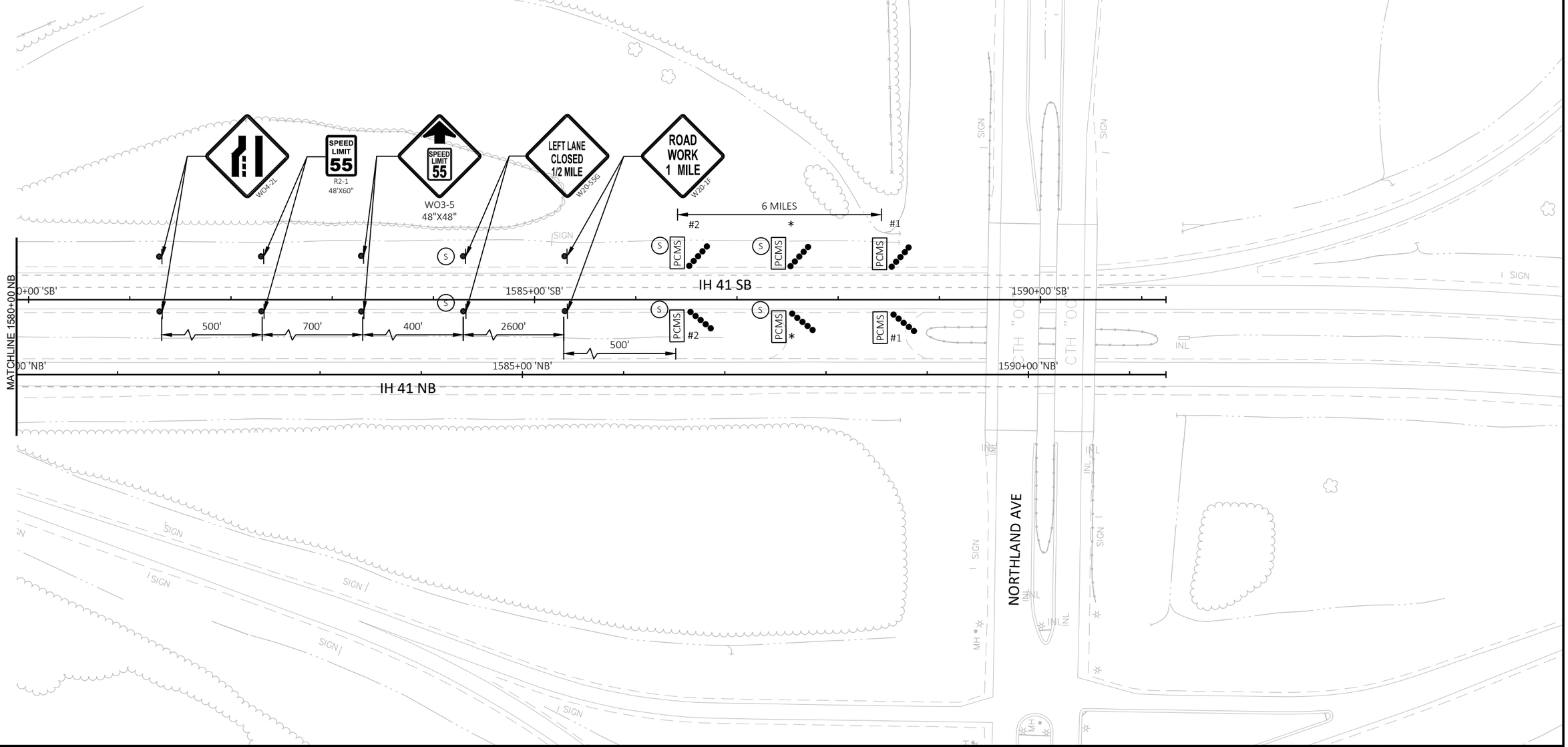
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	TRAFFIC CONTROL - STAGE 4B	SHEET 255	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S4B.DWG
LAYOUT NAME - 026133-s4B

PLOT DATE : 7/27/2023 9:41 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

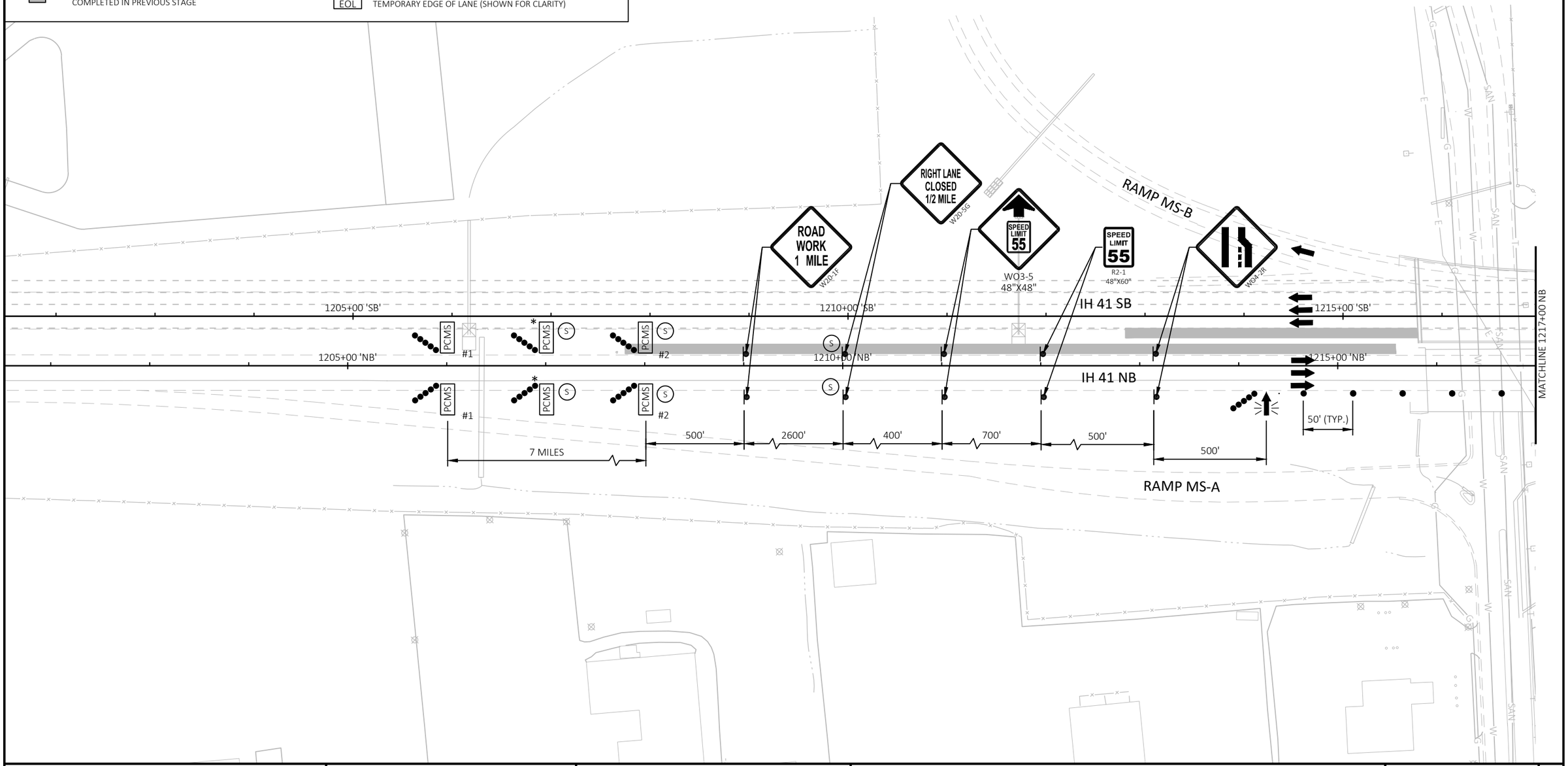
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 256	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026101-s5c

PLOT DATE : 7/27/2023 9:43 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

CEMETERY
SIGN
CTH O
BERM
IH 41 SB
IH 41 NB
MATCHLINE 1217+00 NB
MATCHLINE 1232+00 NB
1220+00 'SB'
1225+00 'SB'
1230+00 'SB'
1220+00 'NB'
1225+00 'NB'
1230+00 'NB'
+40 'NB', 24.0' RT
+00 'NB', 12.0' RT
50' (TYP.)
100' (TYP.)
6WT
LANE CLOSED
R11-2-L
48"X30"
RIDGEWAY RD

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 257	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026102-s5c

PLOT DATE : 7/10/2023 5:29 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

GLENVIEW DR.

BERM

MH

IN IN L

MATCHLINE 1232+00 NB

IH 41 SB

1235+00 'SB'

1240+00 'SB'

1245+00 'SB'

W01-4BL

IH 41 NB

1235+00 'NB'

1240+00 'NB'

1245+00 'NB'

+20 'NB', 12.0' RT

6Y

+20 'NB', 24.0' RT

100' (TYP.)

25' (TYP.)

+86 'NB', 12.0' RT

+00 'NB', 12.0' RT

10W

+00 'NB', 28.6' RT

25' (TYP.)

RAMP II-B

MATCHLINE 1247+00 NB

EXIT

E5-1
48"X48"

SIGN

CEMETERY

RIDGEWAY RD

A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 258	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026103-s5c

PLOT DATE : 7/27/2023 9:45 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

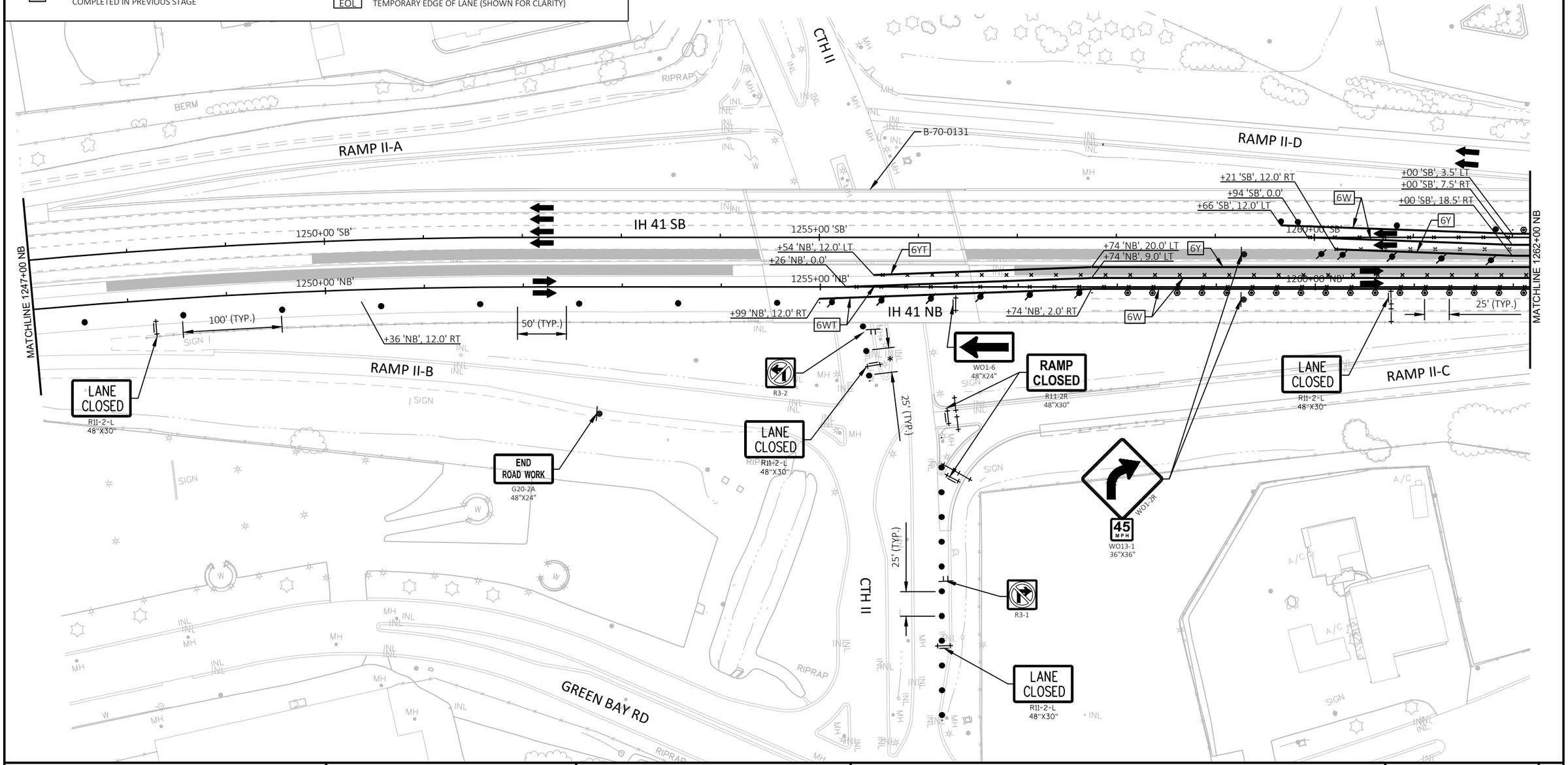
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND CLOSURE THROUGH LEFT TURN LANE

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 259	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026104-s5c

PLOT DATE : 7/27/2023 9:48 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

EXIT 133
SOUTH 41
WINCHESTER RD
EXIT ONLY
COVER WITH CLOSED
G20-60 108"X24"

GREEN BAY RD
RAILROAD
NATIONAL
AMERICAN DR

RAMP CLOSED
R11-2R 48"X30"

B-70-0131
6WT

IH 41 SB
270+00 SB
IH 41 NB
1270+00 NB
1275+00 NB

11' 11'

RAMP CLOSED
R11-2R 48"X30"

W01-4BR

RAMP CLOSED 1000 FT
W20-53C

RAMP II-D
25' (TYP.)
1265+00 SB
1265+00 NB
6Y
6W
6YT
6W
RIPRAP
6Y

MATCHLINE 1262+00 NB

B-70-0132

W01-4BR

LANE CLOSED
R11-2-L 48"X30"

MATCHLINE 1277+00 NB

RAMP II-C
25' (TYP.)

STAY IN LANE
R4-9

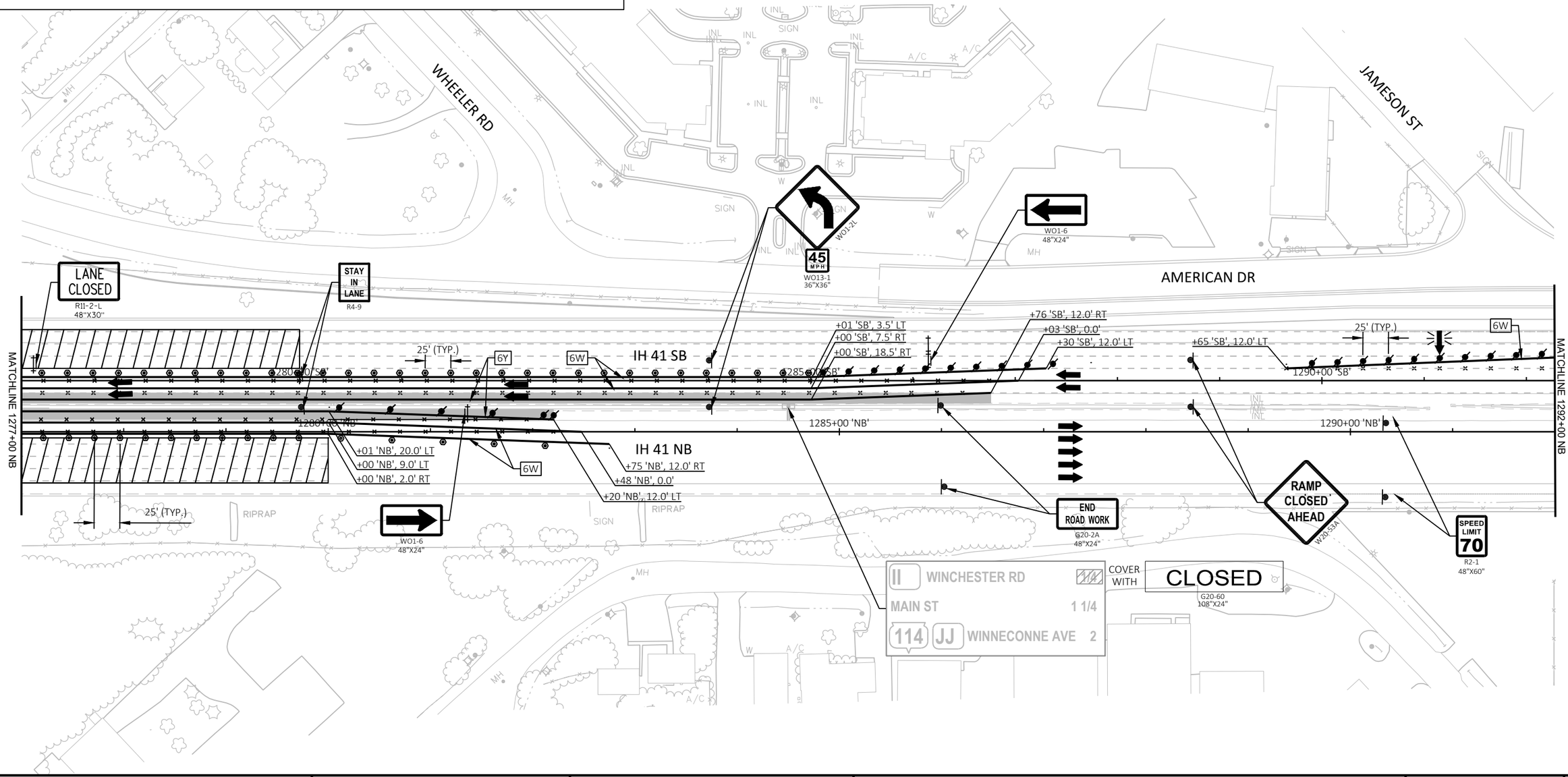
CANADIAN
WCL RR
INL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 260	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026105-s5c
PLOT DATE : 7/10/2023 5:32 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 261	E

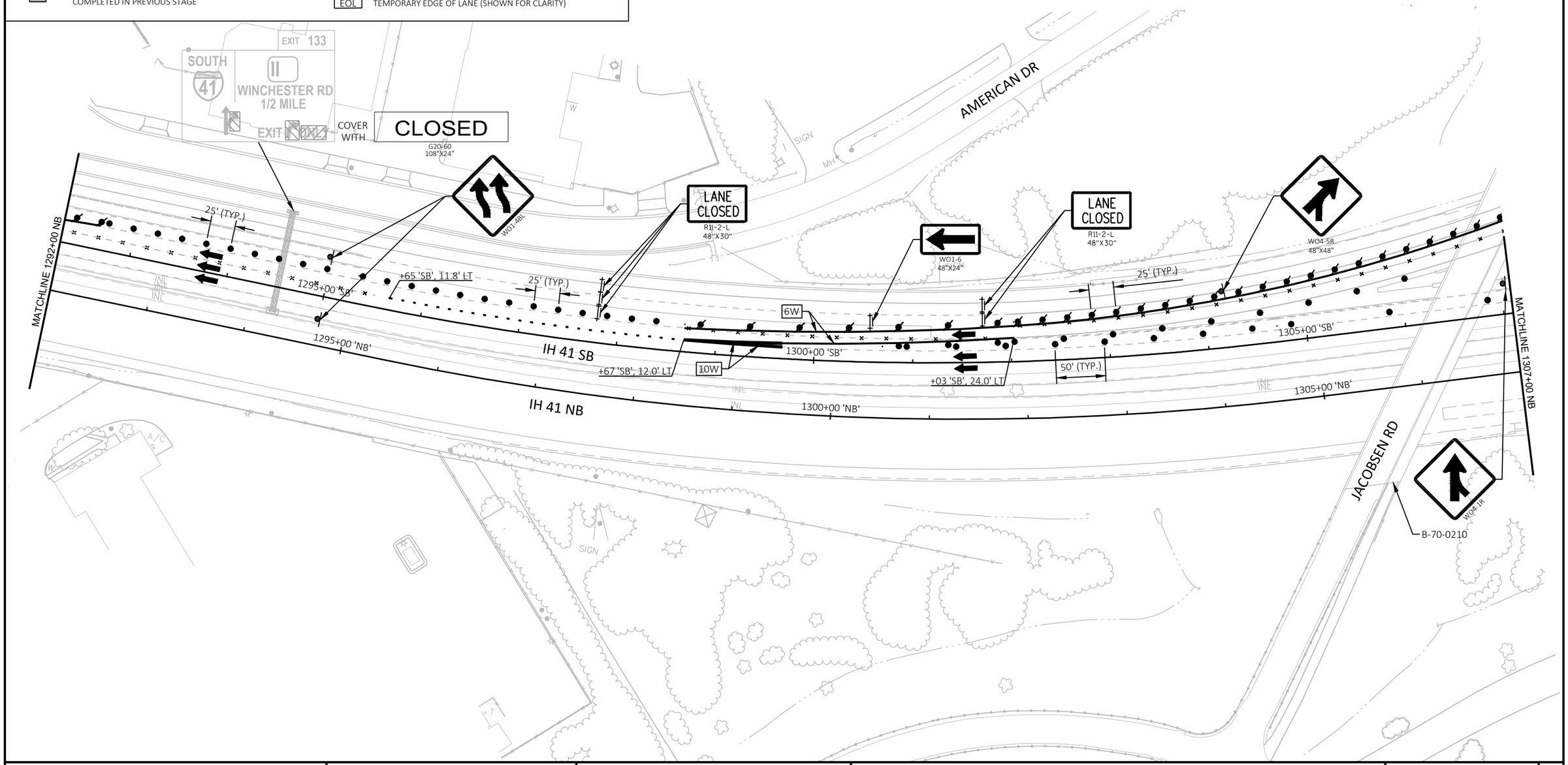
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026106-s5c

PLOT DATE : 7/27/2023 9:51 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



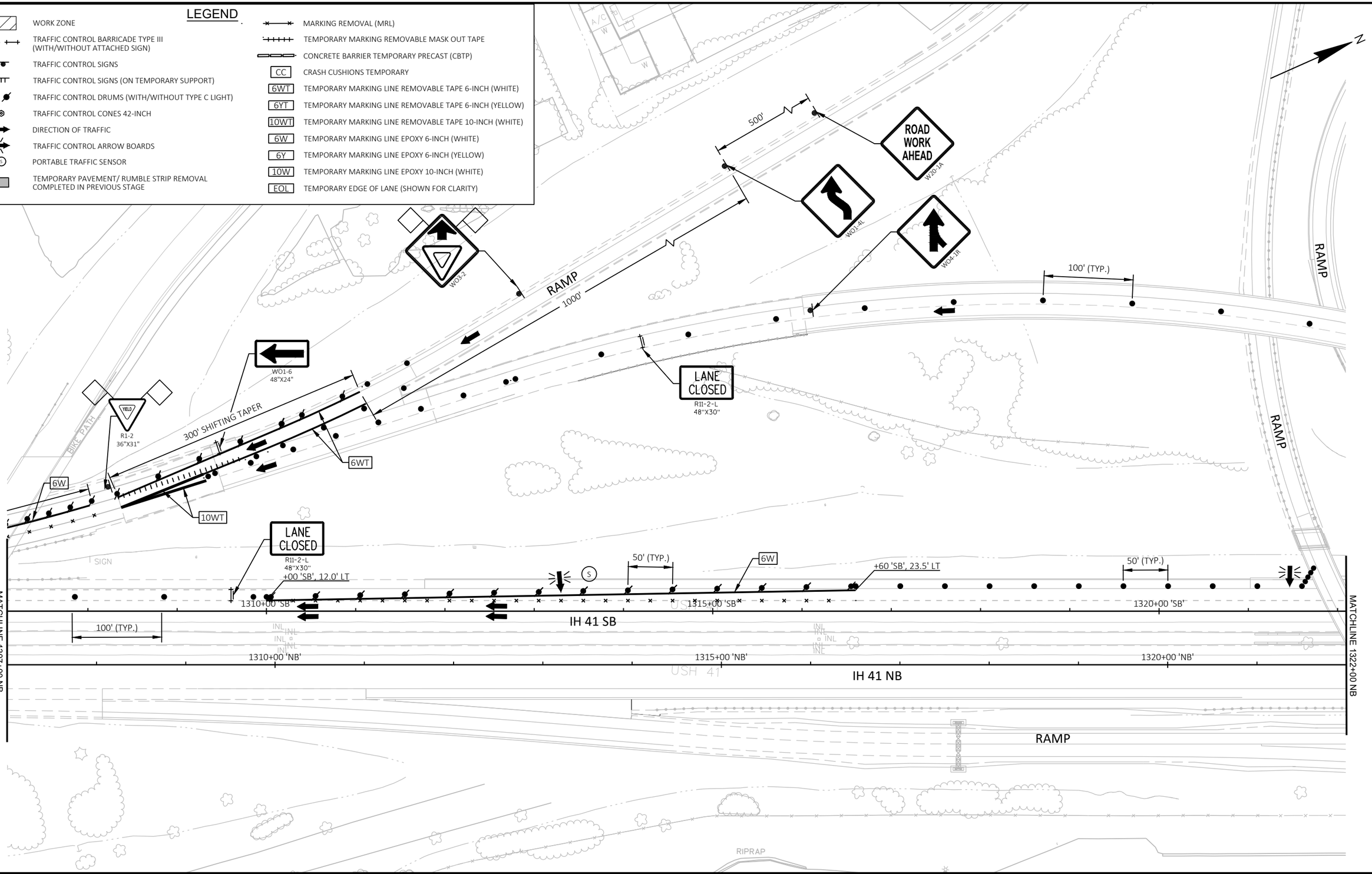
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 262	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026107-s5c

PLOT DATE : 7/10/2023 5:34 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 263	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026108-s5c

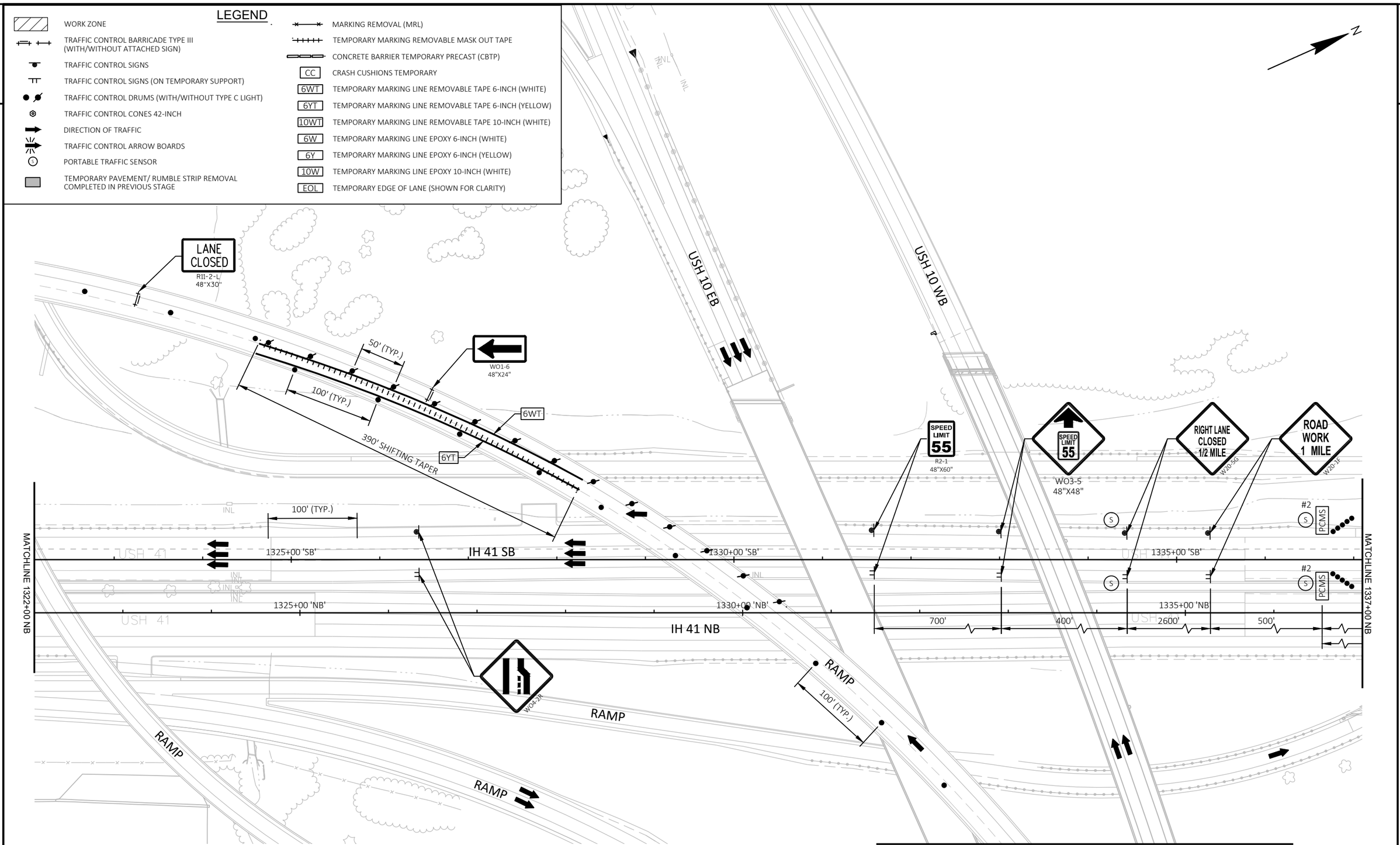
PLOT DATE : 7/27/2023 9:52 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 264	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026109-s5c

PLOT DATE : 7/27/2023 9:54 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

MORRIS

PIER

PIER

RAILROAD

MATCHLINE A

100' TYP.

W01-4L

LANE CLOSED
R11-2-L
48"X30"

USH 10 WB/STH 441 SB

USH 10 EB/STH 441 NB

MATCHLINE B

NATIONAL

LAKE ST.

MH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 265	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026110-s5c

PLOT DATE : 7/10/2023 5:36 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

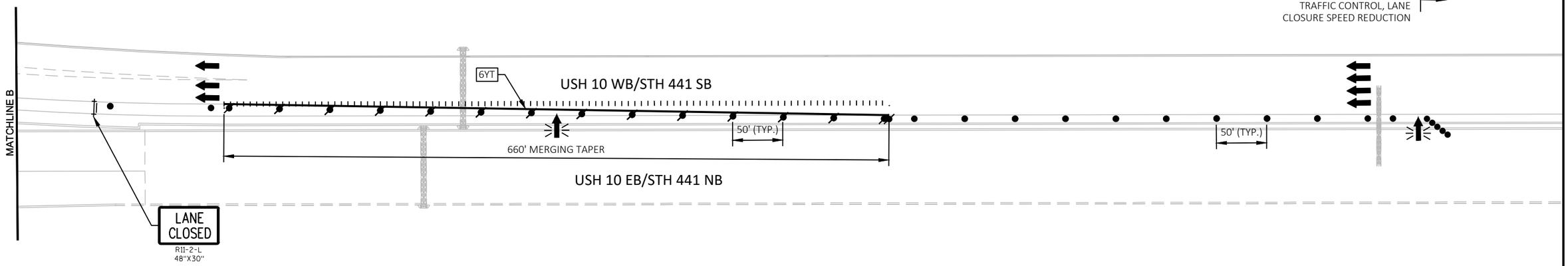
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 266	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026111-s5c

PLOT DATE : 7/10/2023 5:37 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

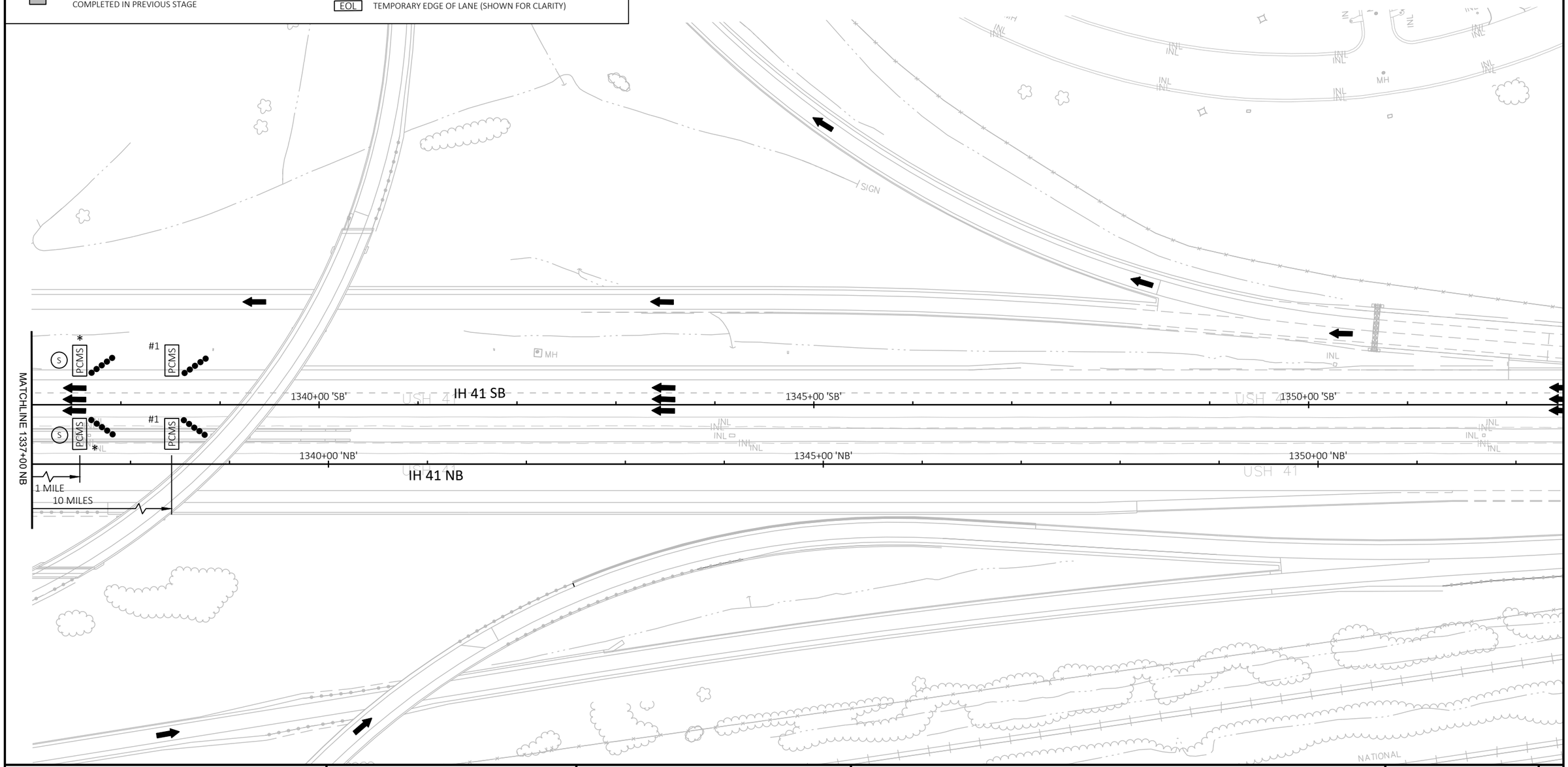
LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5C	SHEET 267	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5C.DWG
LAYOUT NAME - 026112-s5c

PLOT DATE : 7/10/2023 5:38 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2

N

2

CEMETERY
CEMETERY
CEMETERY
CTH O
BERM
BERM
BERM
SIGN
SIGN
INL
W
MH
500'
2600'
400'
700'
500'
500'
1220+00 'SB'
1225+00 'SB'
1230+00 'SB'
IH 41 SB
50' TYP.
50' TYP.
1220+00 'NB'
1225+00 'NB'
1230+00 'NB'
IH 41 NB
+88 'NB', 10.3' LT
6Y
MATCHLINE 1234+00 NB
PCMS #1
PCMS #2
7 MILES
ROAD WORK 1 MILE W20-1F
LEFT LANE CLOSED 1/2 MILE W20-5SG
SPEED LIMIT 55 R2-1 48"X60"
SPEED LIMIT 55 WO3-5 48"X48"
W04-2L
RIDGEWAY RD
A/C

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 268	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026101-s5d
PLOT DATE : 7/25/2023 4:45 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

GLENVIEW DR

BERM

MATCHLINE 1232+00 NB

IH 41 SB

IH 41 NB

1235+00 'SB'

1240+00 'SB'

1245+00 'SB'

1235+00 'NB'

1240+00 'NB'

1245+00 'NB'

50' TYP.

100' TYP.

+48 'NB', 0.0'

6Y

RAMP II-A

RAMP II-B

MATCHLINE 1247+00 NB

LANE CLOSED

R11-2L 48"X30"

W01-4BR

RIDGEWAY DR

CEMETERY

2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 269	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026102-s5d
PLOT DATE : 7/10/2023 5:40 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

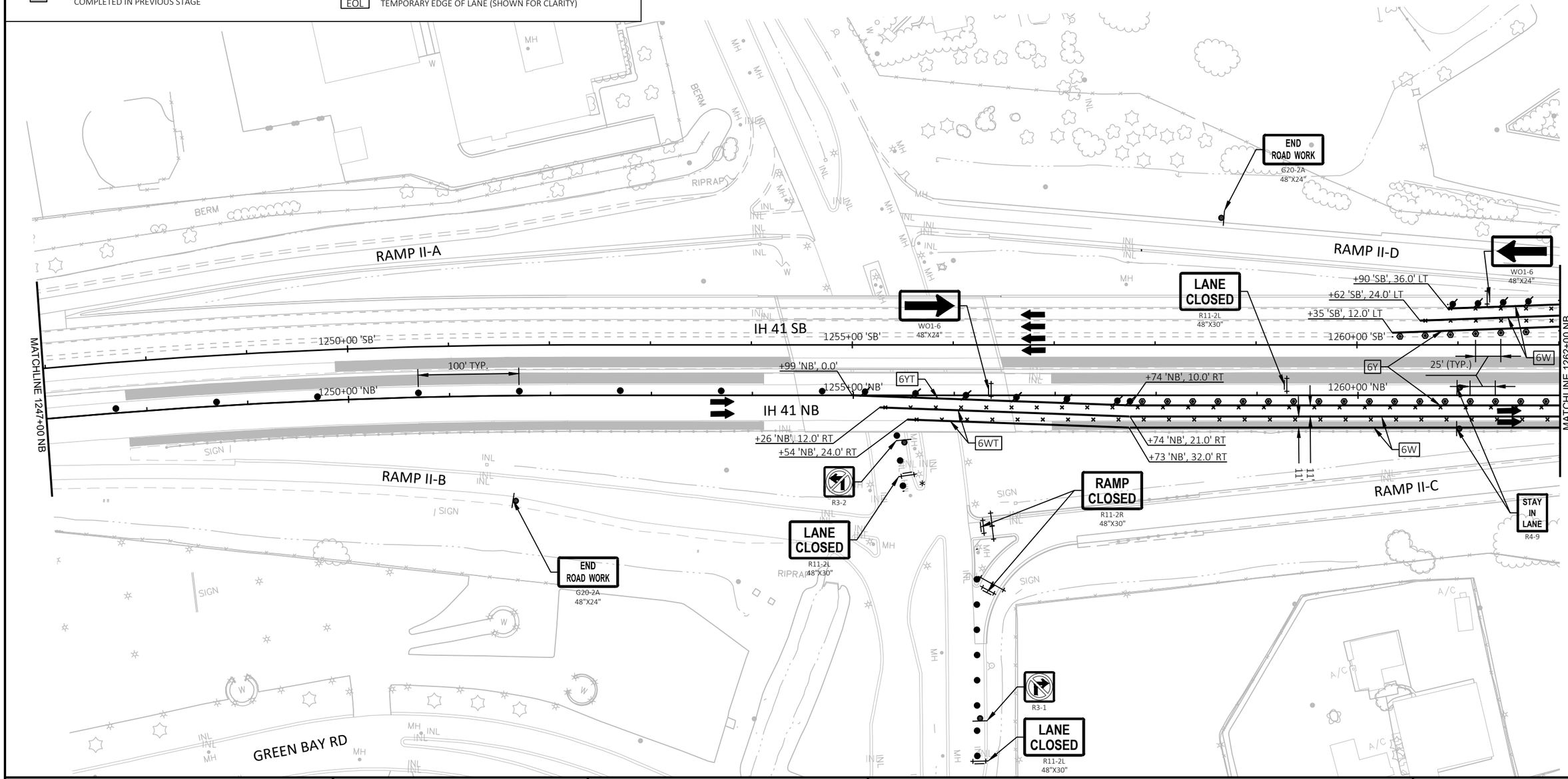
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* EXTEND CLOSURE THROUGH ENTIRE TURN LANE ON CTH II

N



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 270	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026103-s5d

PLOT DATE : 7/10/2023 5:41 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

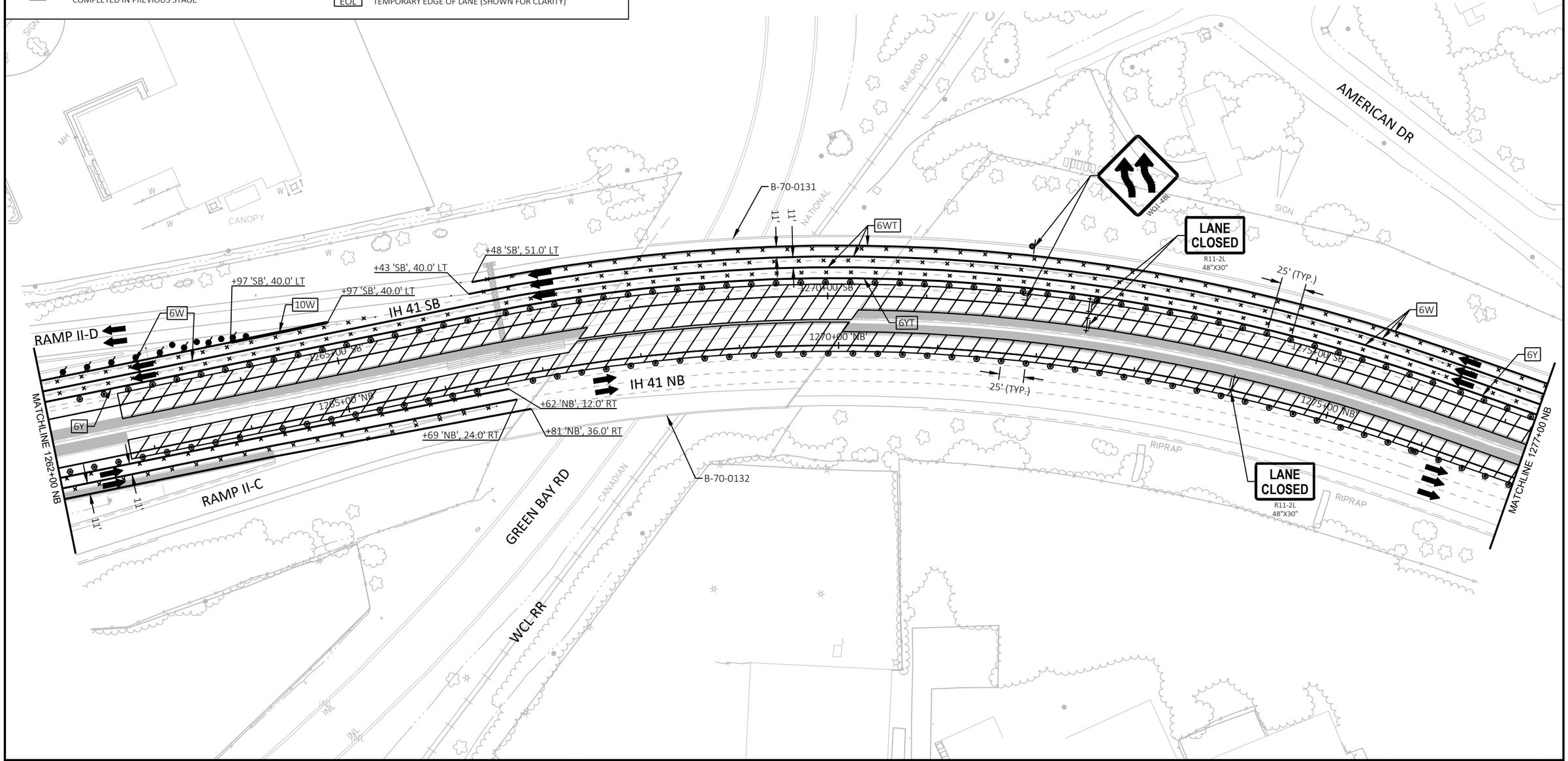
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



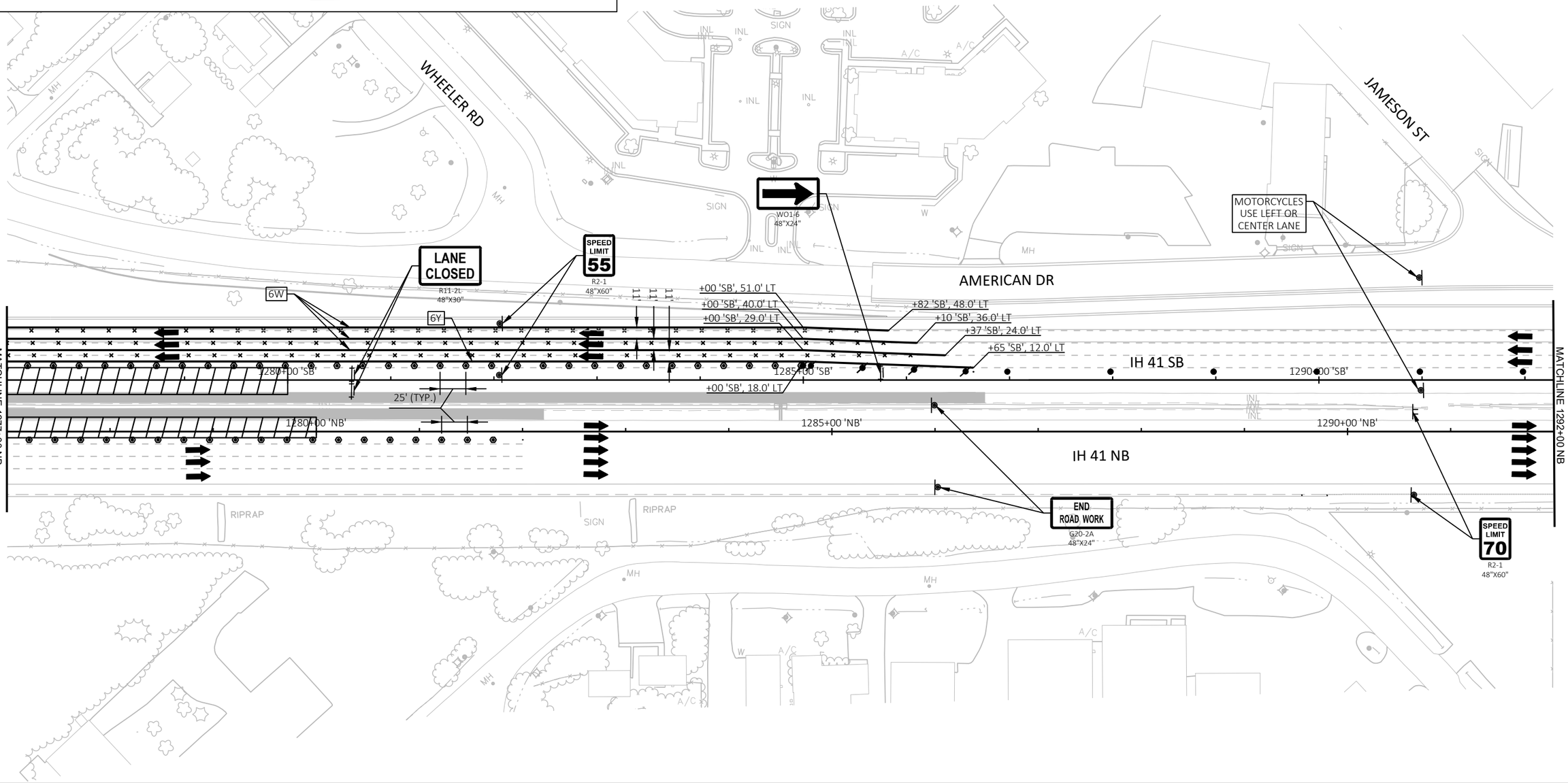
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 271	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026104-s5d
PLOT DATE : 7/10/2023 5:42 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 272	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026105-s5d

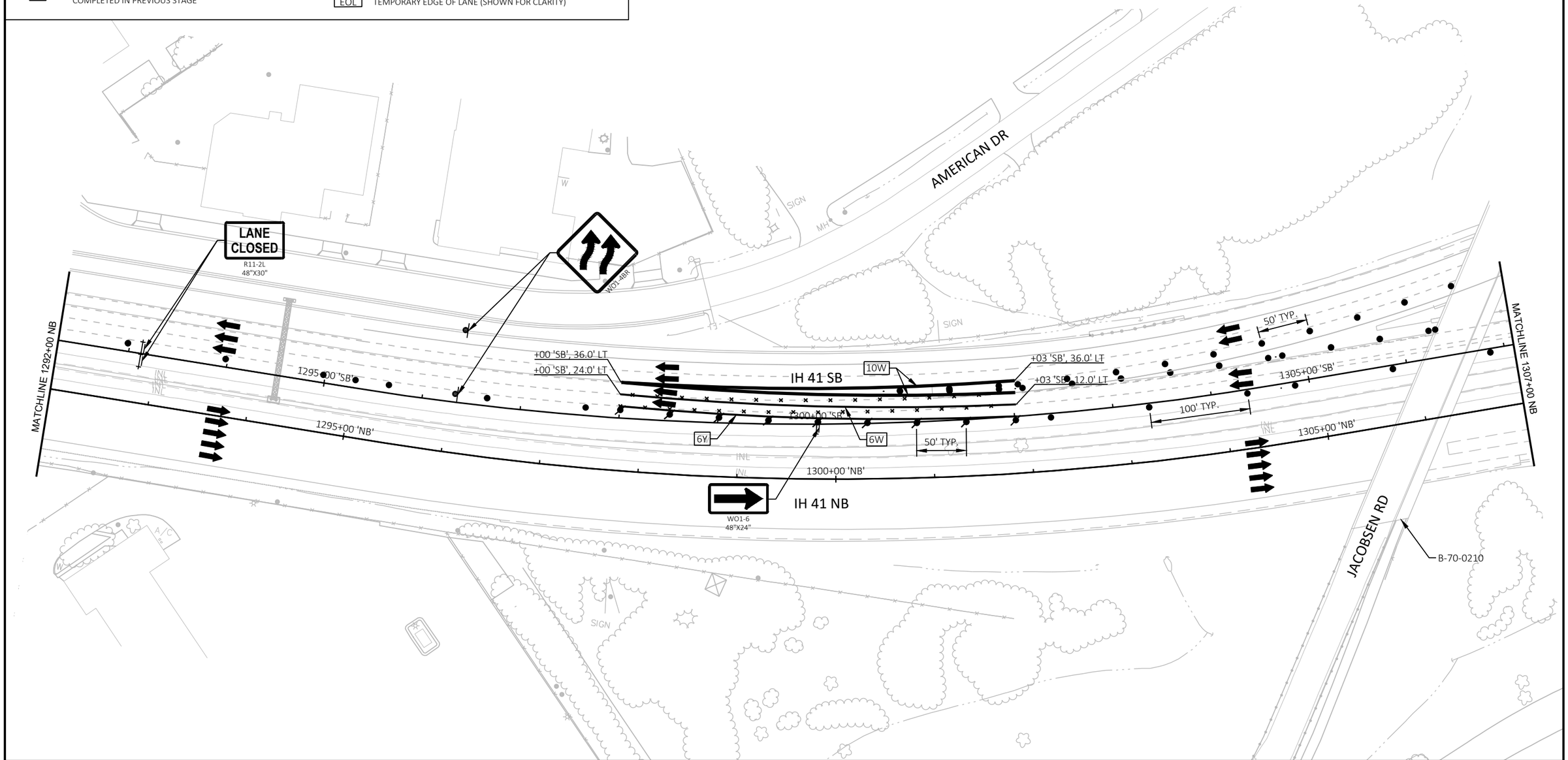
PLOT DATE : 7/10/2023 5:43 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 273	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026106-s5d

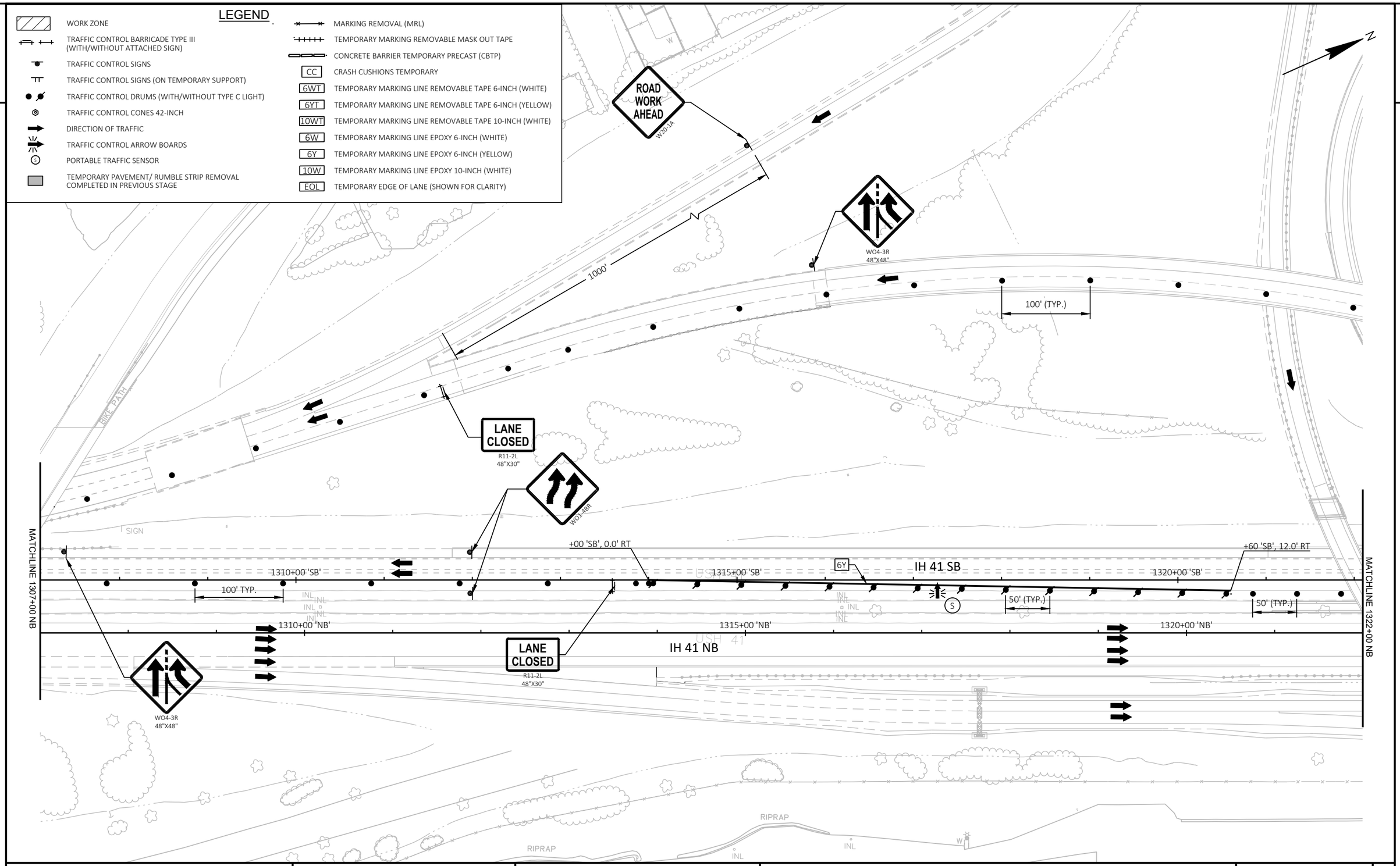
PLOT DATE : 7/10/2023 5:44 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 274	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026107-s5d

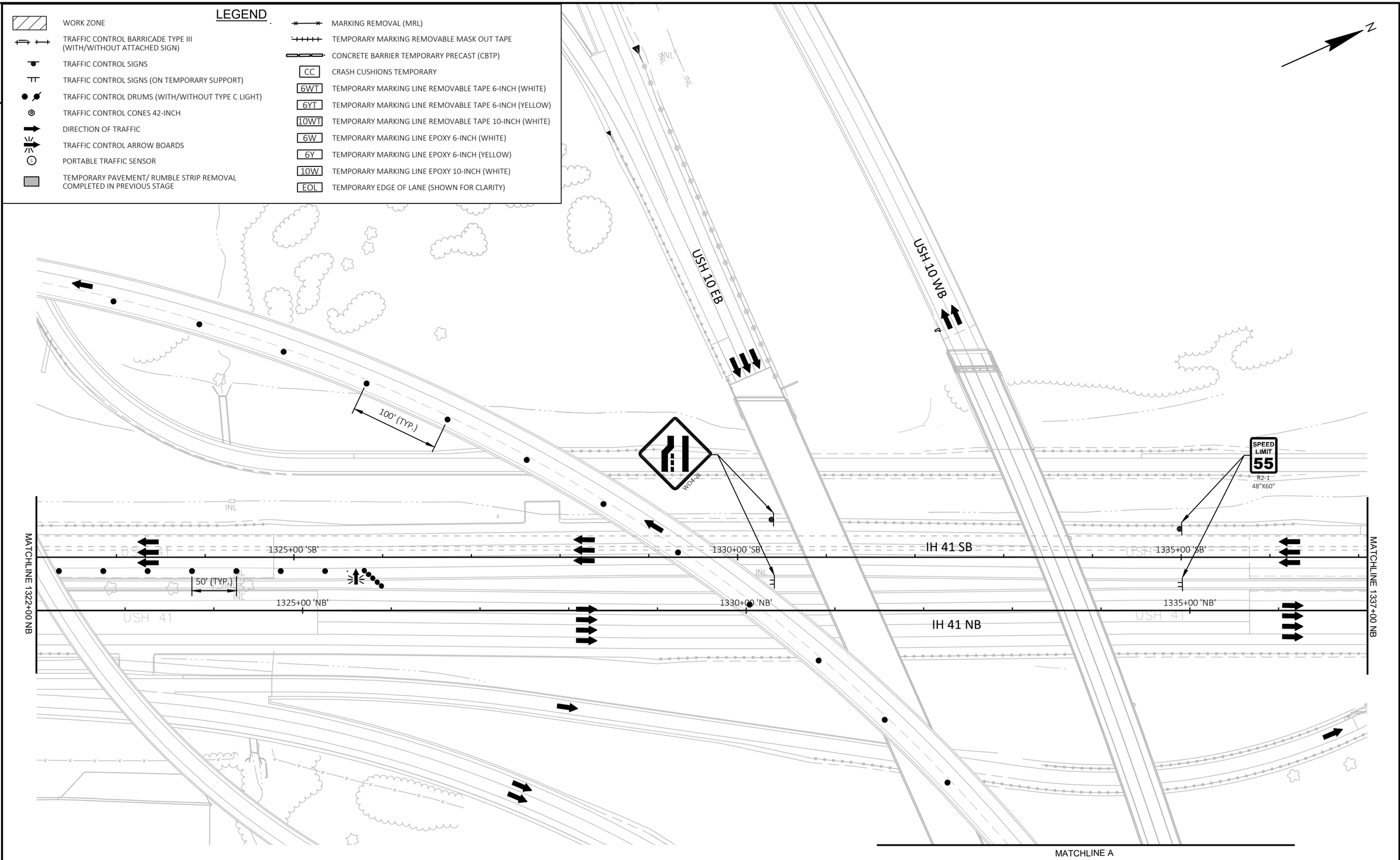
PLOT DATE : 7/10/2023 5:45 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 275	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026108-s5d

PLOT DATE : 7/10/2023 5:46 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

MORRIS

PIER

PIER

RAILROAD

MATCHLINE A

100' TYP.

USH 10 WB/STH 441 SB

MATCHLINE B

USH 10 EB/STH 441 NB

LANE CLOSED
R11-2L
48"X30"

NATIONAL

LAKE ST.

MH

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 276	E

2

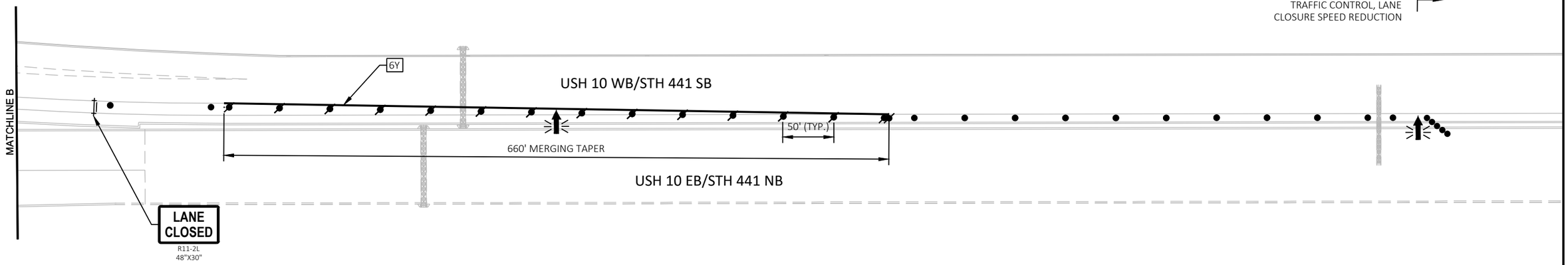
LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2

ADVANCED WARNING IN ACCORDANCE WITH SDD TRAFFIC CONTROL, LANE CLOSURE SPEED REDUCTION



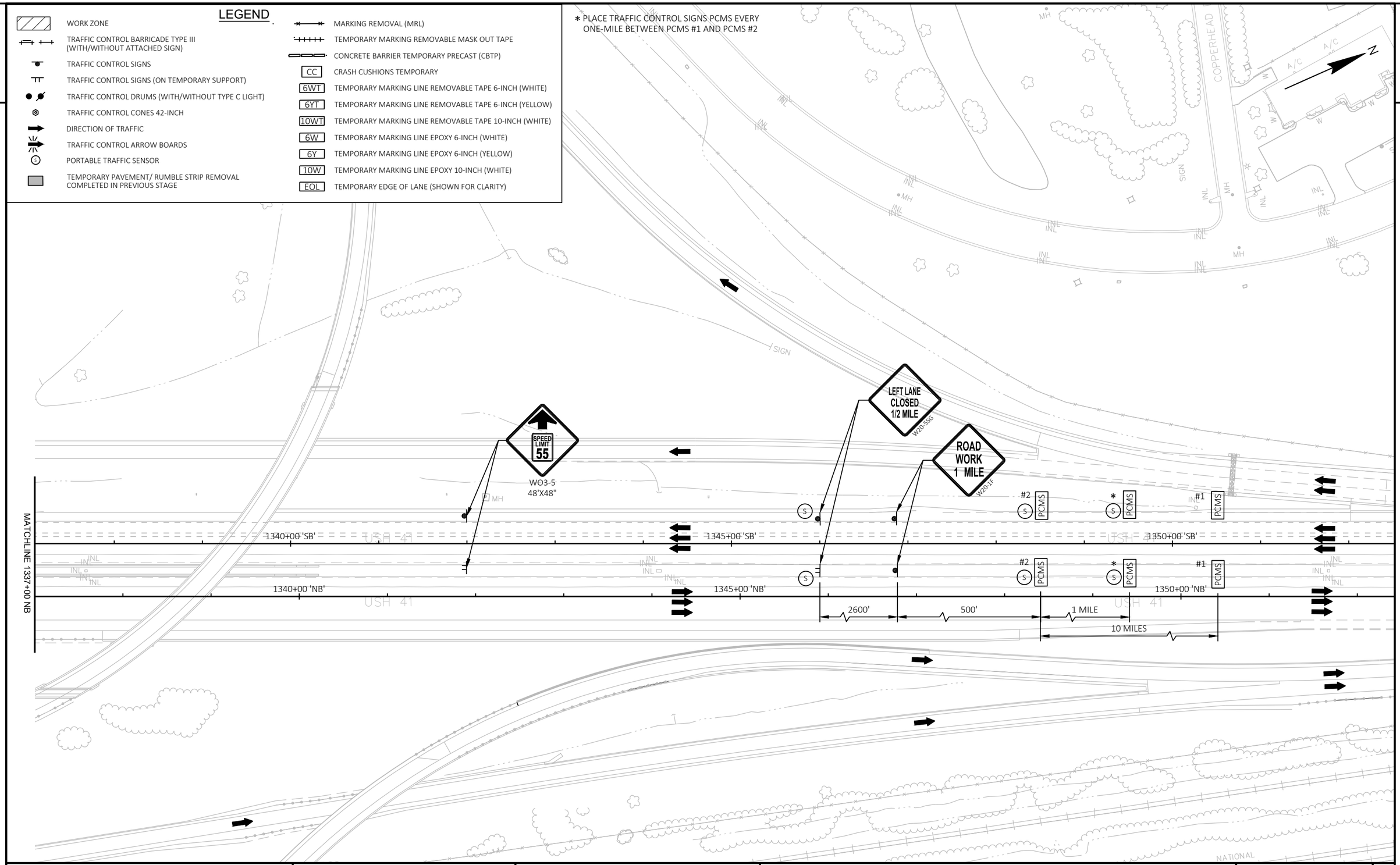
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 277	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

* PLACE TRAFFIC CONTROL SIGNS PCMS EVERY ONE-MILE BETWEEN PCMS #1 AND PCMS #2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 5D	SHEET 278	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S5D.DWG
LAYOUT NAME - 026111-s5d

PLOT DATE : 7/25/2023 4:47 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

USH 10 EB

USH 10 WB

50' TYP

B-70-0400

B-70-0401

1325+00 'SB'

1330+00 'SB'

IH 41 SB

1335+00 'SB'

1325+00 'NB'

1330+00 'NB'

IH 41 NB

1335+00 'NB'

B-70-0405

B-70-0409

USH 41

INL

MATCHLINE A

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6A - B-70-0401/0405 PHASE 1	SHEET 279	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6A.DWG
LAYOUT NAME - 026101-s6a

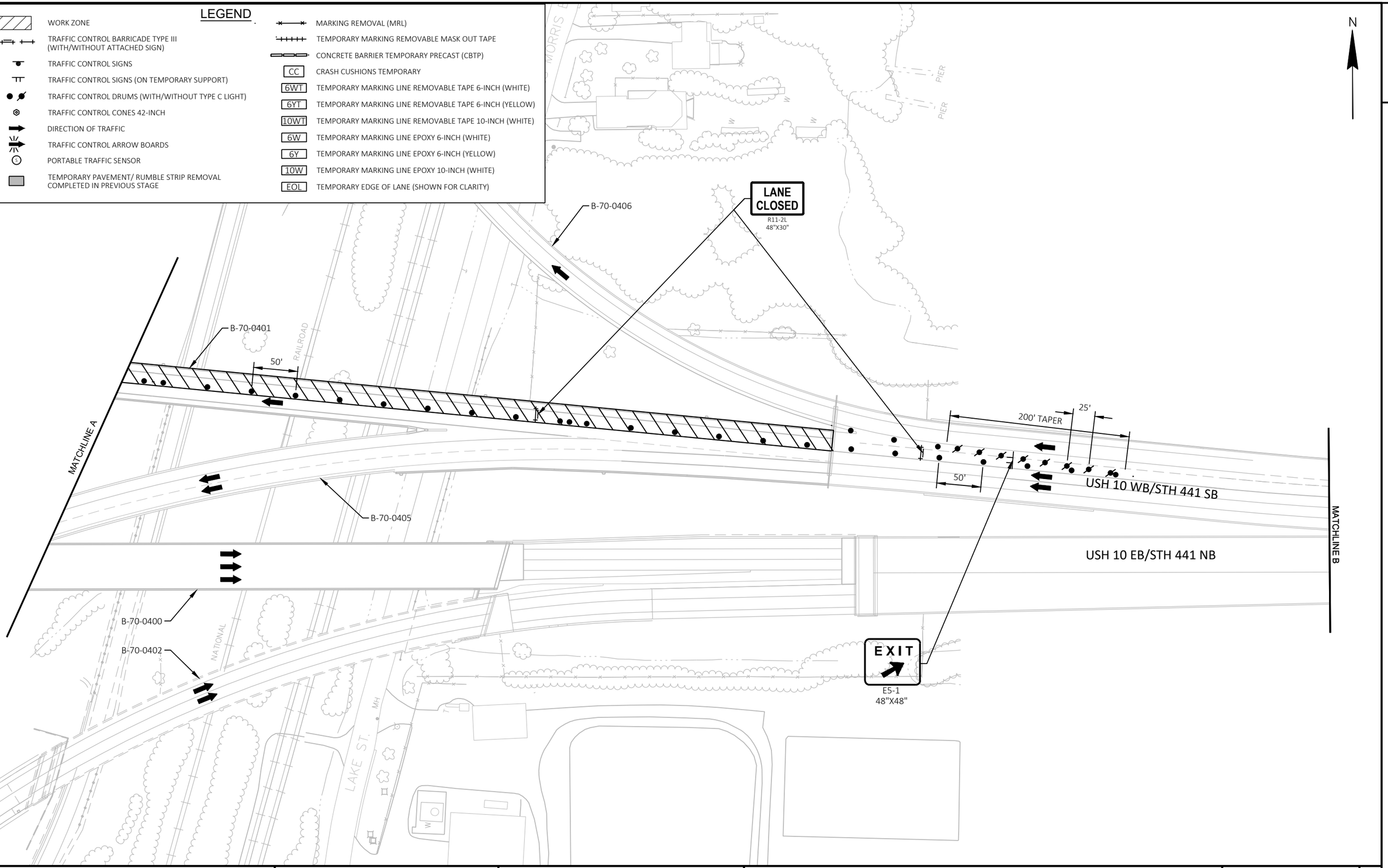
PLOT DATE : 7/10/2023 5:50 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

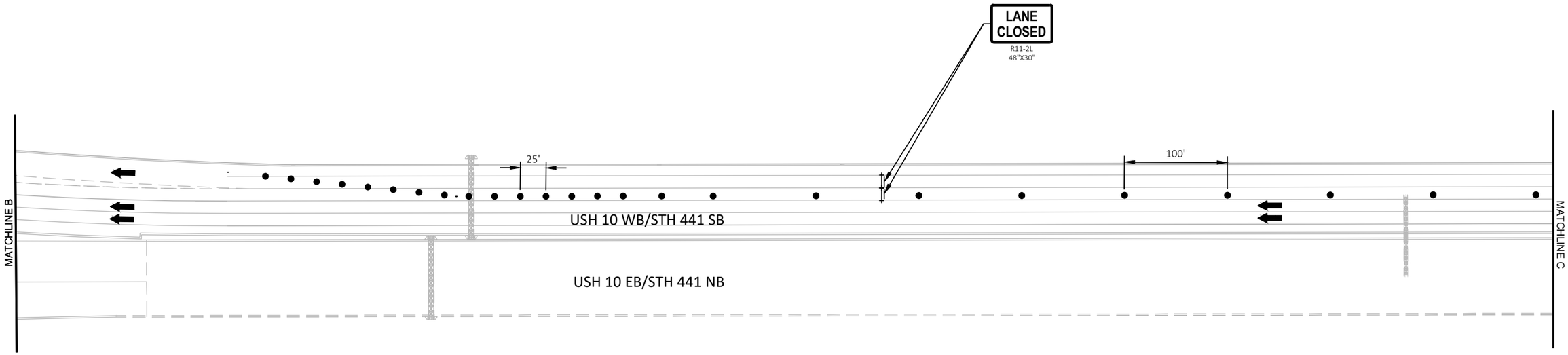
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6A - B-70-0401/0405 PHASE 1	SHEET 280	E

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6A - B-70-0401/0405 PHASE 1	SHEET 281	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6A.DWG
LAYOUT NAME - 026103-s6a
PLOT DATE : 7/10/2023 5:52 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

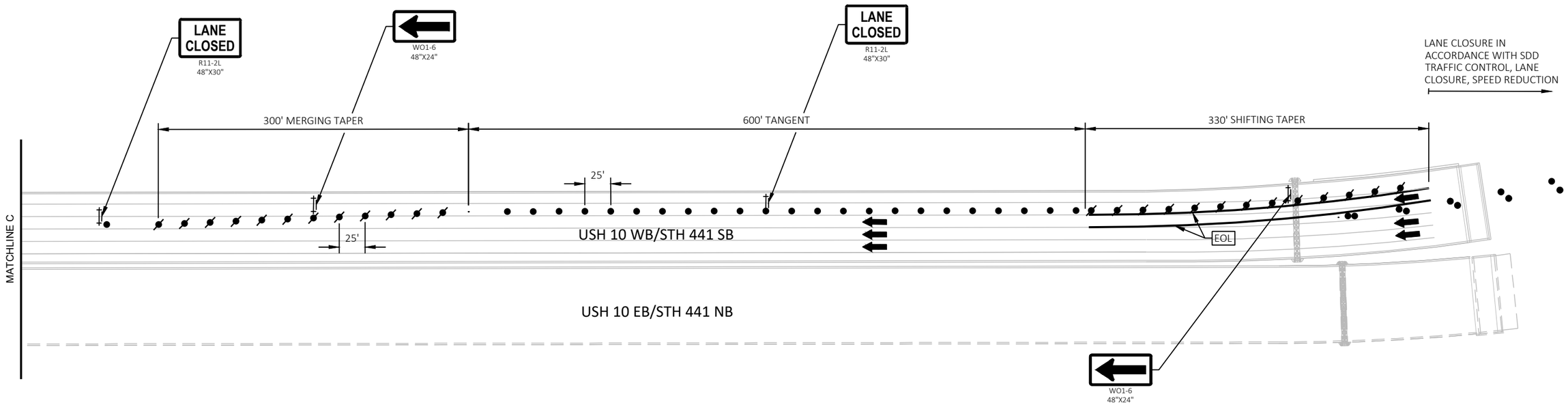
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6A - B-70-0401/0405 PHASE 1	SHEET 282	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6A.DWG
LAYOUT NAME - 026104-s6a

PLOT DATE : 7/10/2023 5:52 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ###########

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

B-70-0405

B-70-0409

BIKE PATH

SIGN

1310+00 'SB'

1315+00 'SB'

IH 41 SB

1320+00 'SB'

1310+00 'NB'

1315+00 'NB'

IH 41 NB

1320+00 'NB'

MATCHLINE 1322+00 NB

RIPRAP

RIPRAP

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6B - B-70-0401/0405 PHASE 2	SHEET 283	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6B.DWG
LAYOUT NAME - 026101-s6b

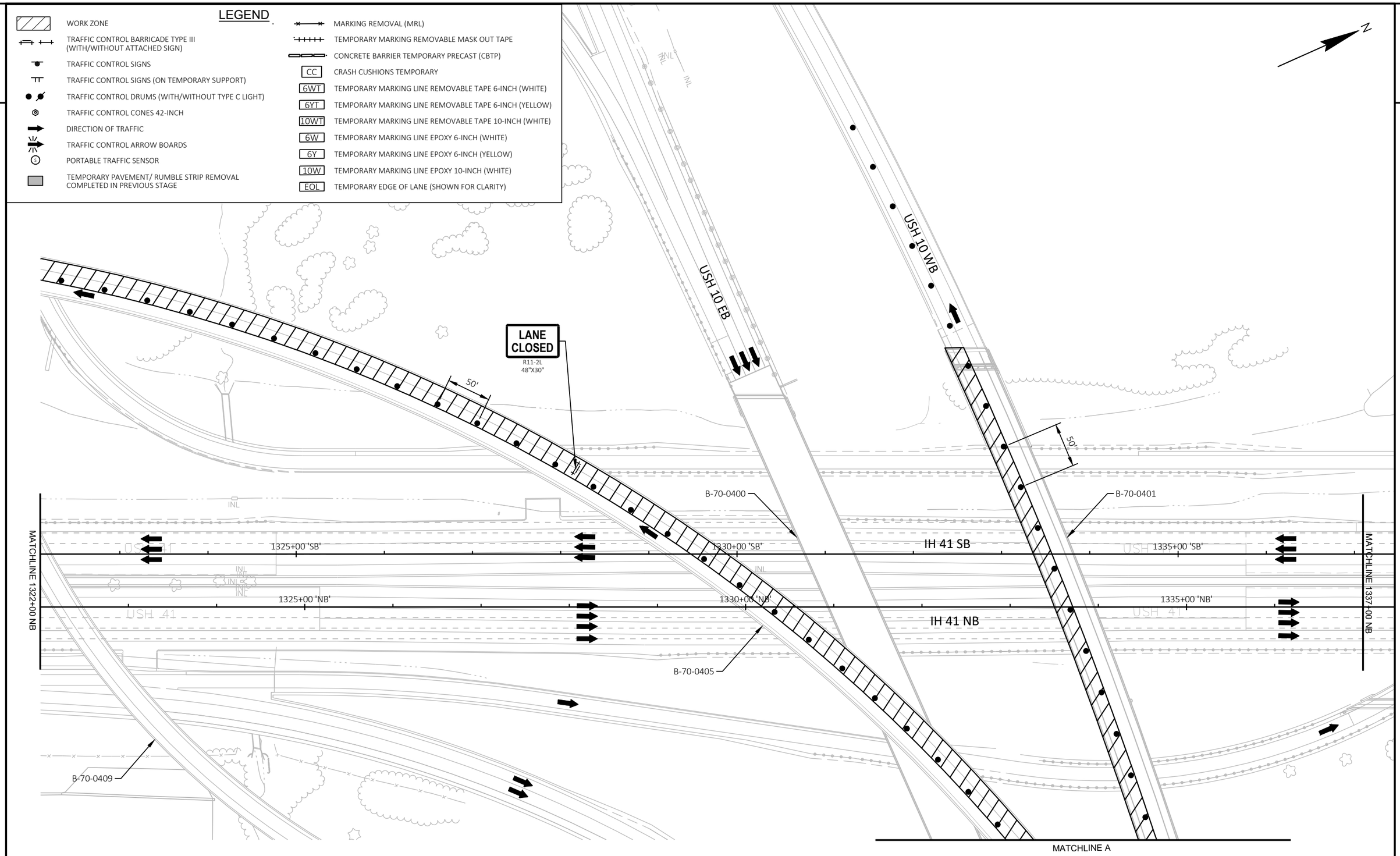
PLOT DATE : 7/10/2023 5:54 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

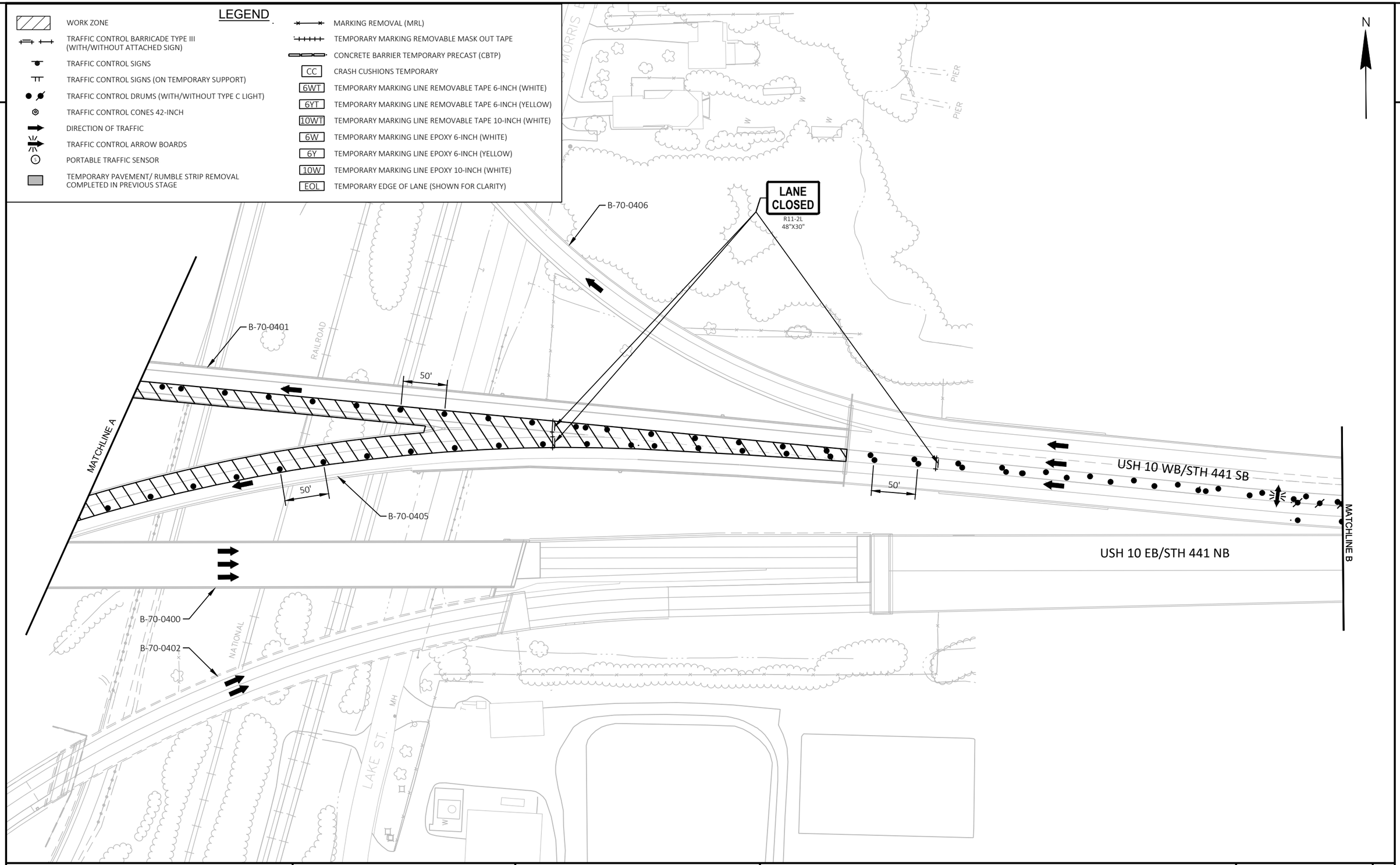
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6B - B-70-0401/0405 PHASE 2	SHEET 284	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6B.DWG
LAYOUT NAME - 026102-s6b
PLOT DATE : 7/10/2023 5:55 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6B - B-70-0401/0405 PHASE 2	SHEET 285	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6B.DWG
LAYOUT NAME - 026103-s6b

PLOT DATE : 7/10/2023 5:55 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

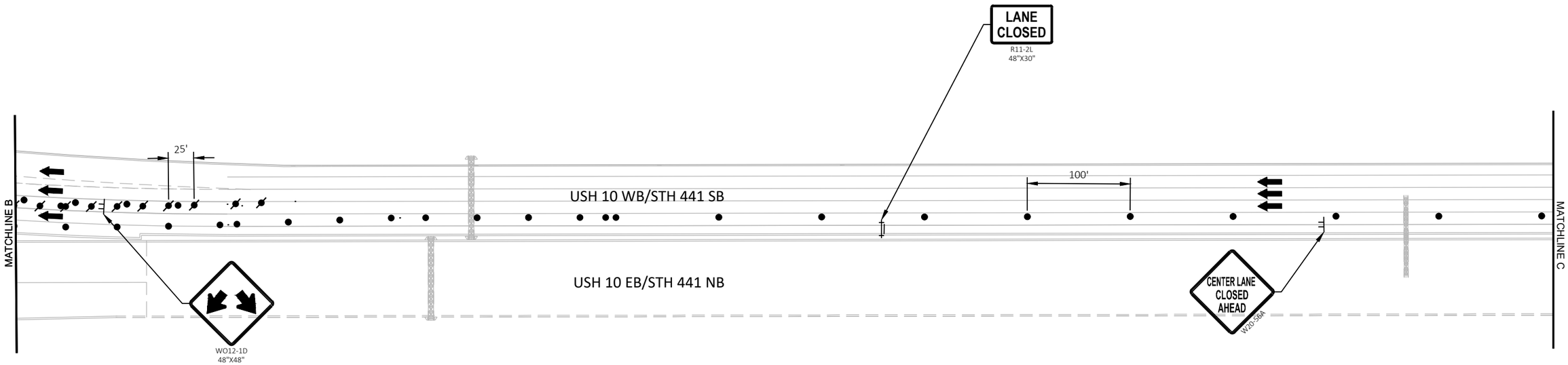
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6B - B-70-0401/0405 PHASE 2	SHEET 286	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6B.DWG
LAYOUT NAME - 026104-s6b

PLOT DATE : 7/10/2023 5:56 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

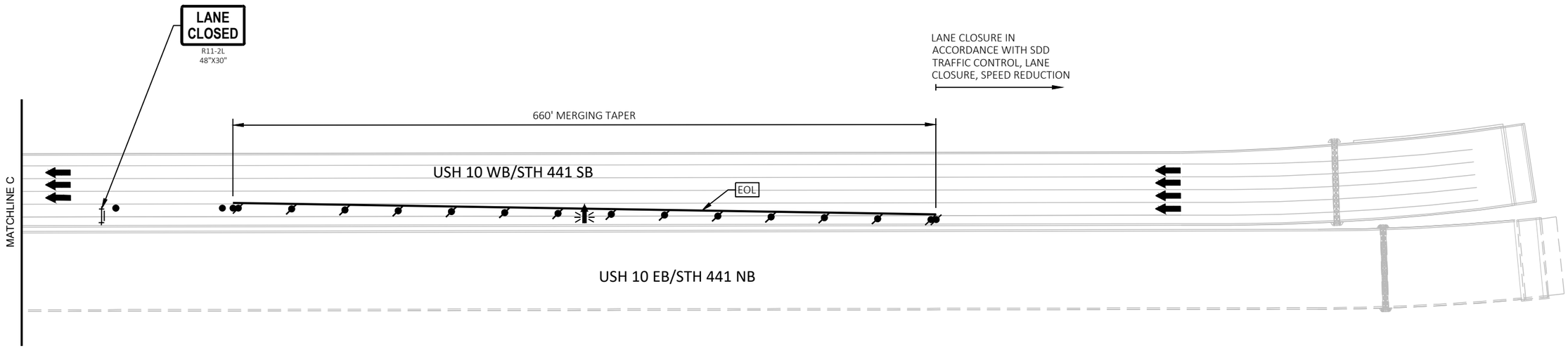
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



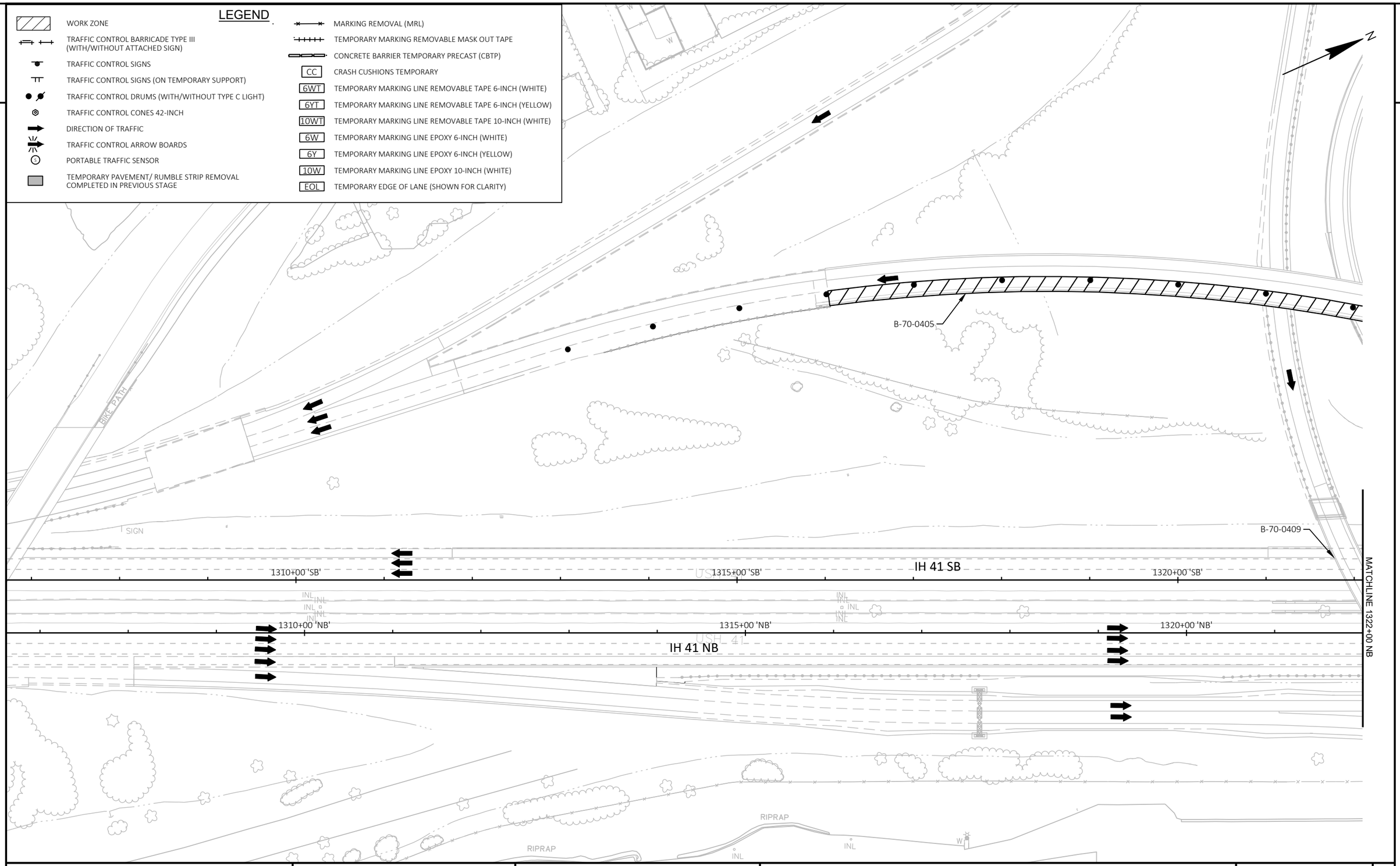
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6B - B-70-0401/0405 PHASE 2	SHEET 287	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6B.DWG
LAYOUT NAME - 026105-s6b
PLOT DATE : 7/10/2023 5:57 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6C - B-70-0401/0405 PHASE 3	SHEET 288	E

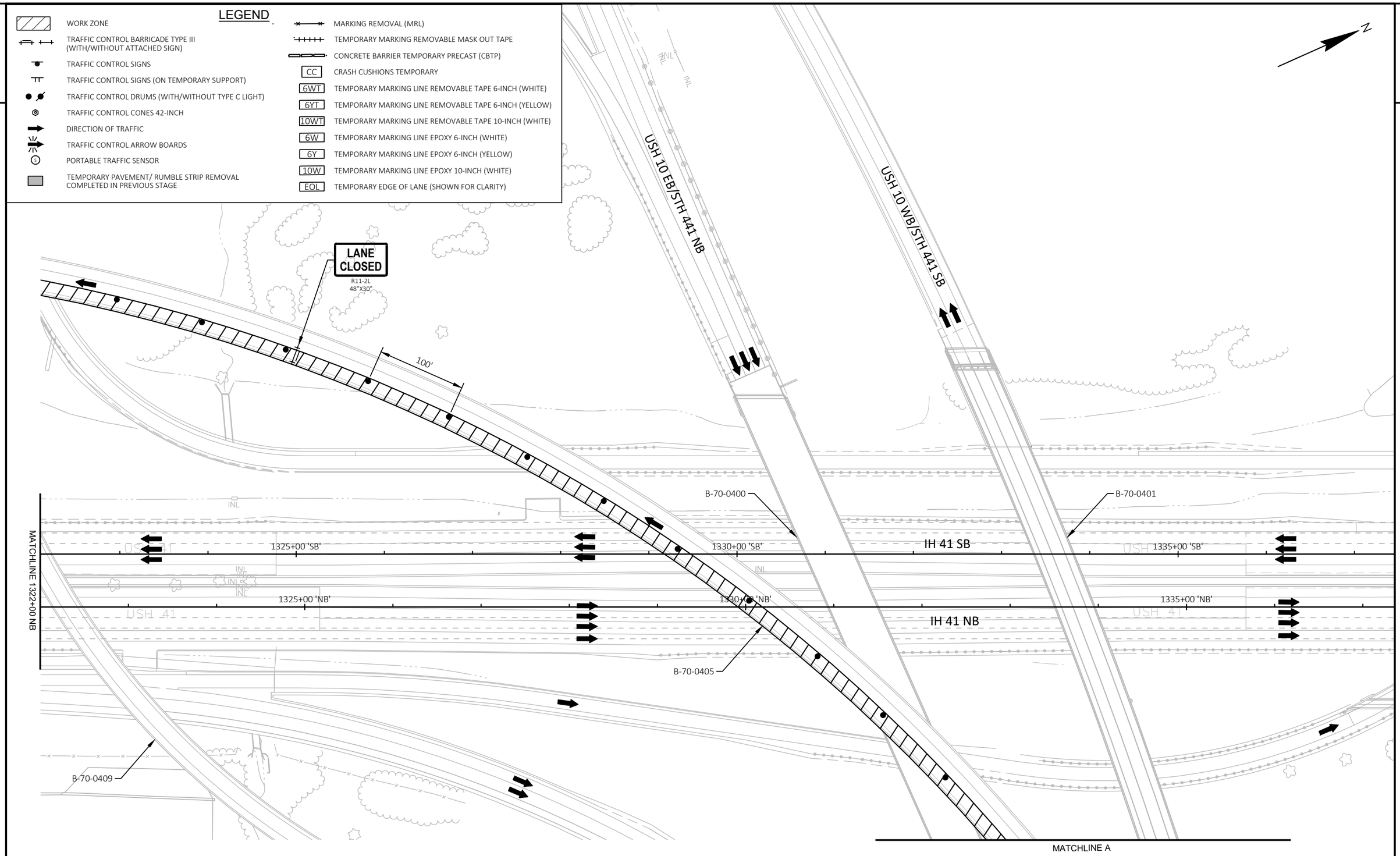
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6C.DWG
LAYOUT NAME - 026101-s6c

PLOT DATE : 7/10/2023 5:58 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

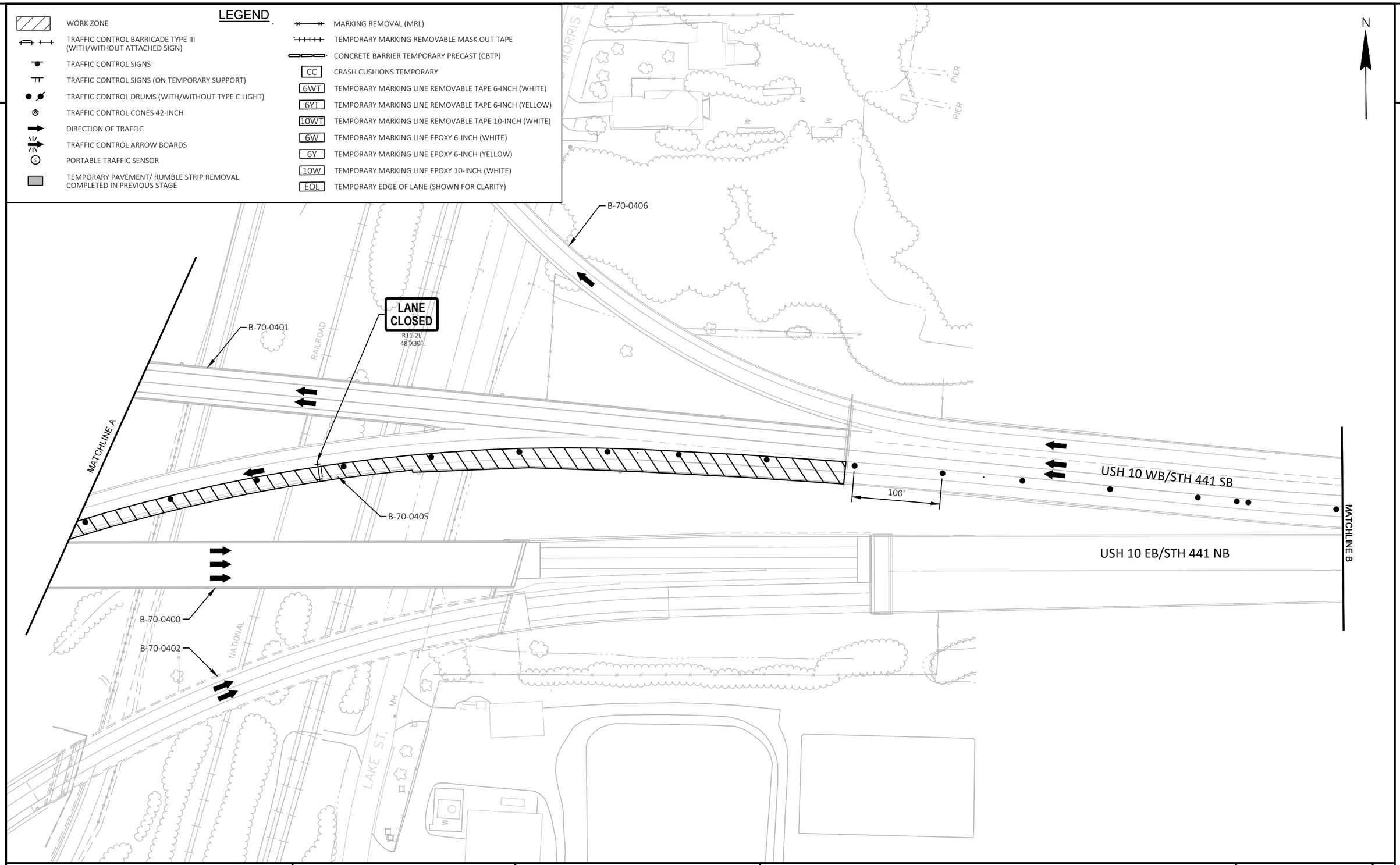
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6C - B-70-0401/0405 PHASE 3	SHEET 289	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6C.DWG
LAYOUT NAME - 026102-s6c
PLOT DATE : 7/10/2023 5:59 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6C - B-70-0401/0405 PHASE 3	SHEET 290	E

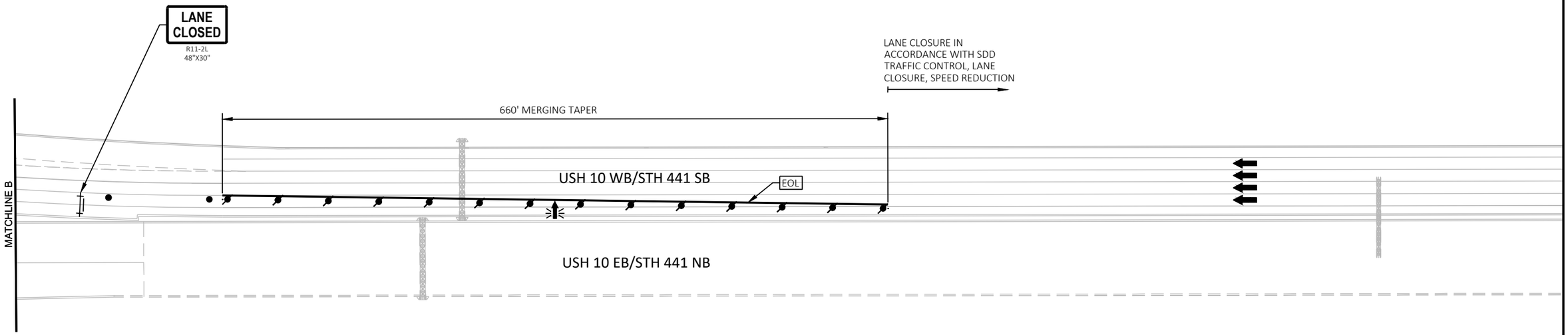
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6C - B-70-0401/0405 PHASE 3	SHEET 291	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6C.DWG
LAYOUT NAME - 026104-s6c

PLOT DATE : 7/10/2023 6:01 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

WHEELER RD

JAMESON ST

AMERICAN DR

1280+00 'SB'

1285+00 'SB'

IH 41 SB

1290+00 'SB'

MATCHLINE 1292+00 NB

1280+00 'NB'

1285+00 'NB'

1290+00 'NB'

IH 41 NB

50' TYP.

+40 'NB', 48.0' RT

EOL

RIPRAP

LANE CLOSURE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6D - B-70-0402 PHASE 1	SHEET 292	E

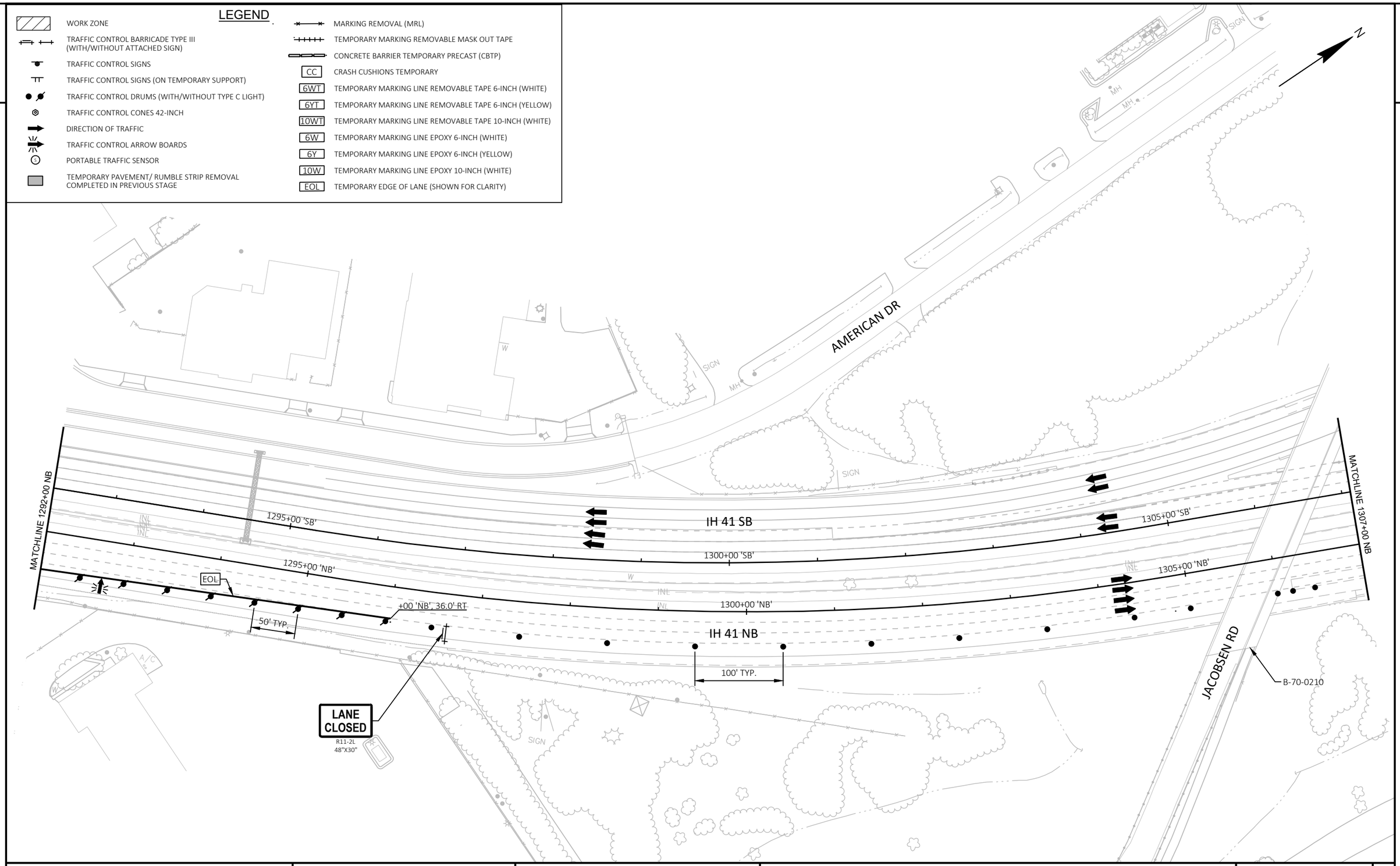
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6D.DWG
LAYOUT NAME - 026101-s6d

PLOT DATE : 7/10/2023 6:02 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6D - B-70-0402 PHASE 1	SHEET 293	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6D.DWG
LAYOUT NAME - 026102-s6d

PLOT DATE : 7/10/2023 6:03 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

B-70-0405

B-70-0409

BIKE PATH

SIGN

MATCHLINE 1307+00 NB

MATCHLINE 1322+00 NB

1310+00 'SB'

1315+00 'SB'

IH 41 SB

1320+00 'SB'

1310+00 'NB'

1315+00 'NB'

1320+00 'NB'

IH 41 NB

USH 41

100' TYP.

LANE CLOSED
R11-2L
48"X30"

RIPRAP

RIPRAP

INL

W

2

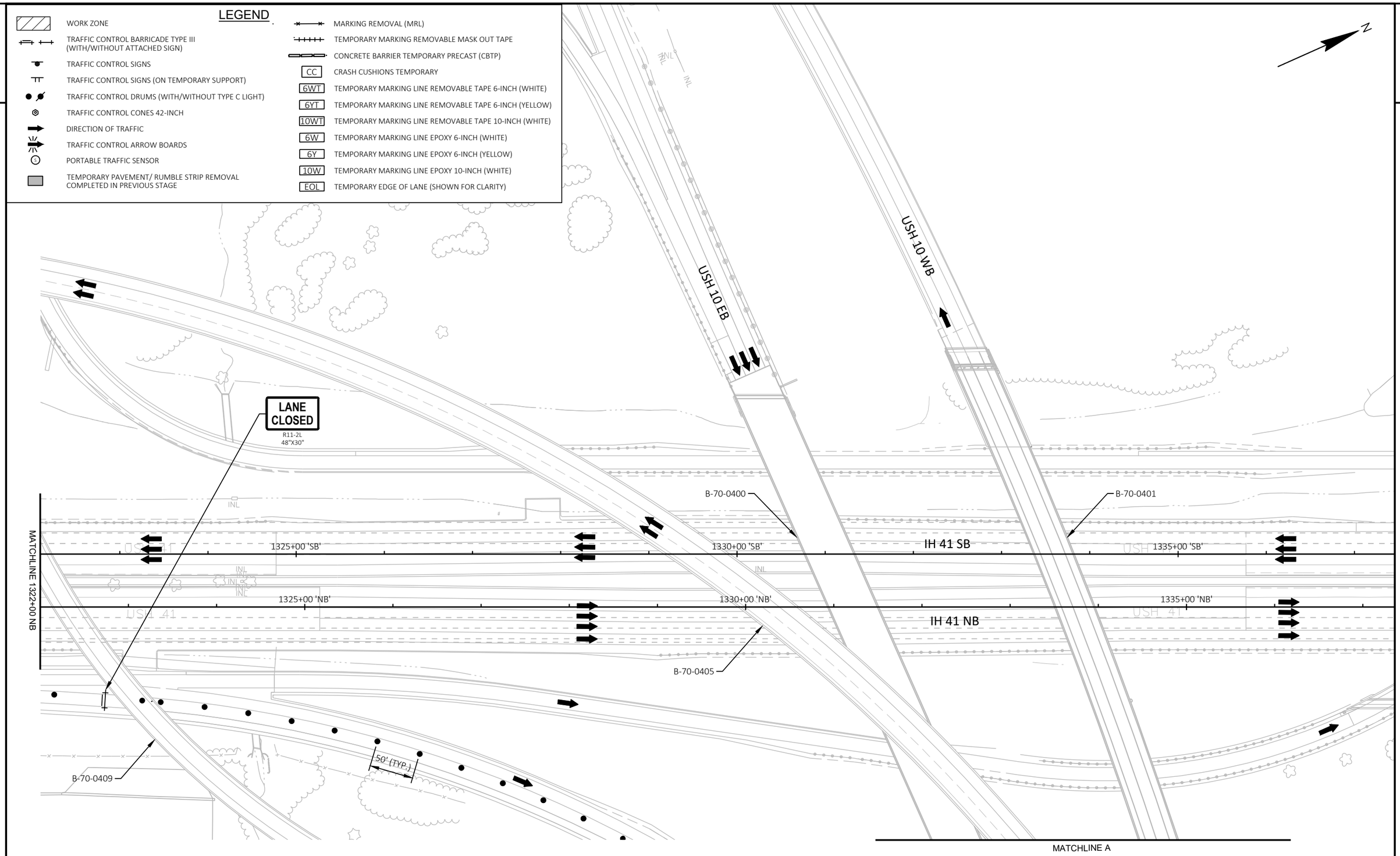
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6D - B-70-0402 PHASE 1	SHEET 294	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6D.DWG
LAYOUT NAME - 026103-s6d
PLOT DATE : 7/10/2023 6:04 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6D - B-70-0402 PHASE 1	SHEET 295	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6D.DWG
LAYOUT NAME - 026104-s6d
PLOT DATE : 7/10/2023 6:05 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

B-70-0406

B-70-0401

B-70-0405

B-70-0400

B-70-0402

MATCHLINE A

RAILROAD

NATIONAL

LAKE ST.

MH

PIER

PIER

USH 10 WB/STH 441 SB

USH 10 EB/STH 441 NB

50' TYP.

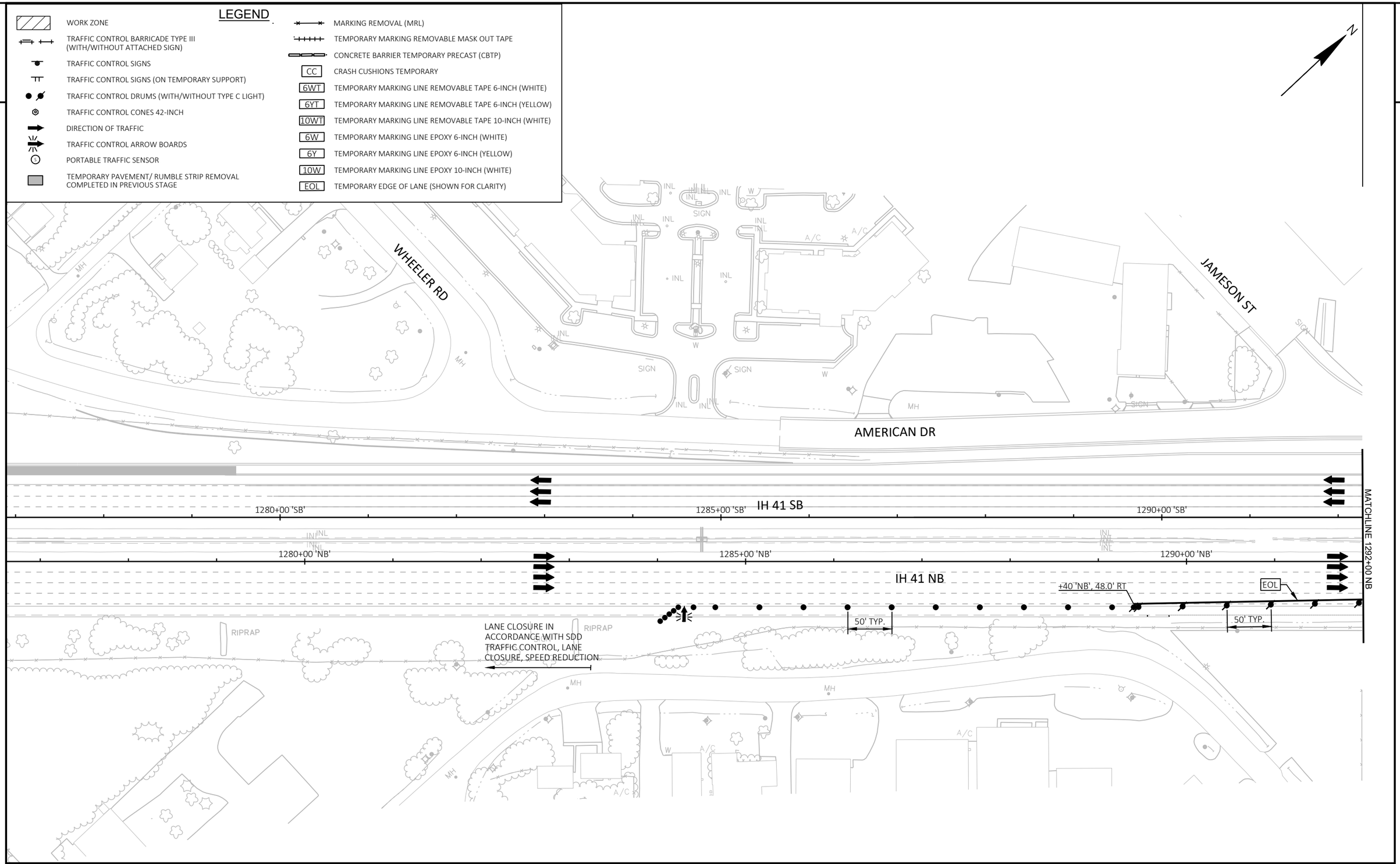
2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6D - B-70-0402 PHASE 1	SHEET 296	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6D.DWG
LAYOUT NAME - 026105-s6d
PLOT DATE : 7/10/2023 6:06 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6E - B-70-0402 PHASE 2	SHEET 297	E

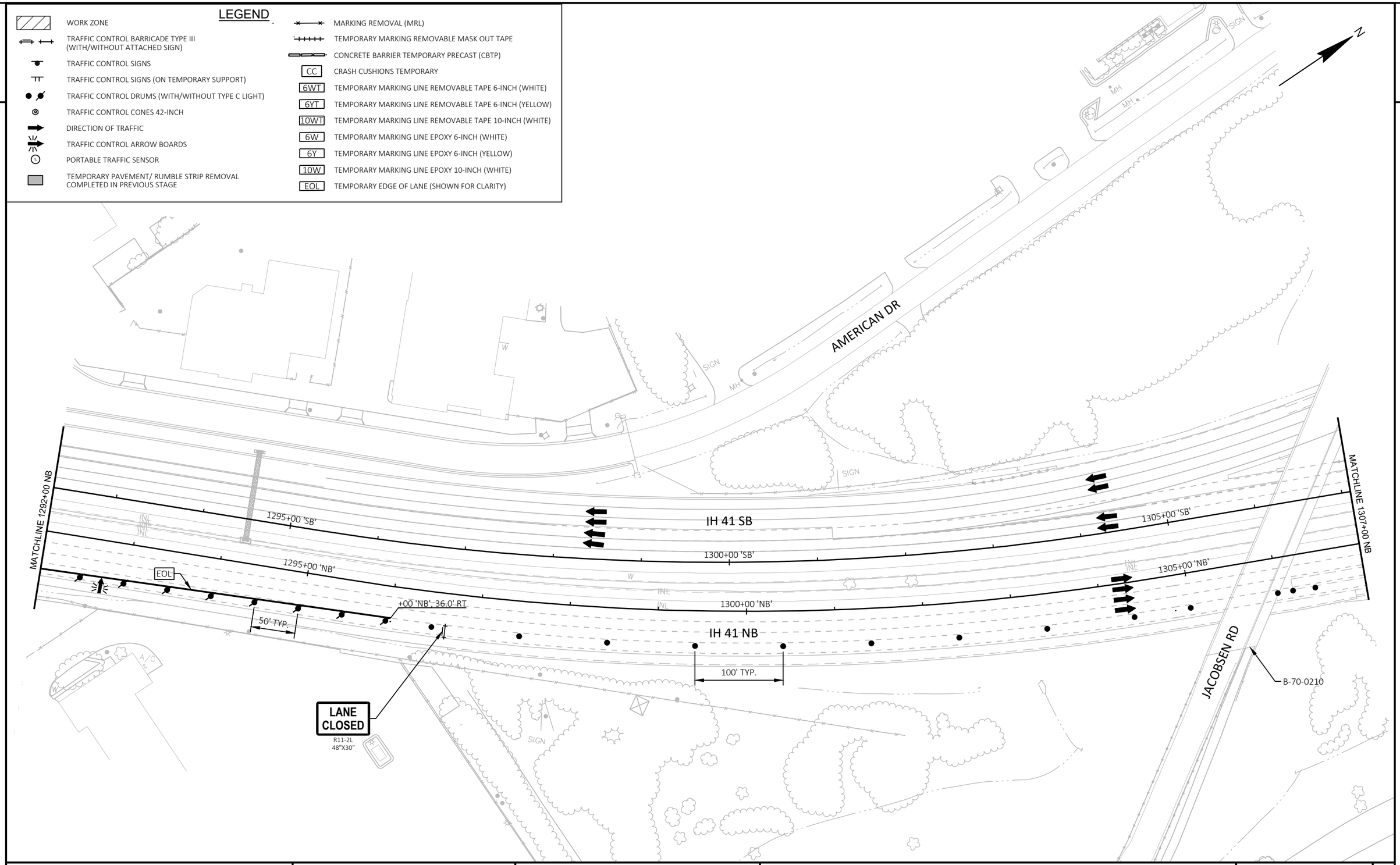
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6E.DWG
LAYOUT NAME - 026101-s6e

PLOT DATE : 7/10/2023 6:07 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



2

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6E - B-70-0402 PHASE 2	SHEET 298	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6E.DWG
LAYOUT NAME - 026102-s6e

PLOT DATE : 7/10/2023 6:08 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

B-70-0405

B-70-0409

BIKE PATH

SIGN

LANE CLOSED
R11-2L
48"X30"

MATCHLINE 1307+00 NB

MATCHLINE 1322+00 NB

1310+00 'SB'

1315+00 'SB'

IH 41 SB

1320+00 'SB'

1310+00 'NB'

1315+00 'NB'

1320+00 'NB'

IH 41 NB

USH 41

INL

100' TYP.

25' TYP.

200'

200'

350'

RIPRAP

RIPRAP

W

INL

INL

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6E - B-70-0402 PHASE 2	SHEET 299	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6E.DWG
LAYOUT NAME - 026103-s6e

PLOT DATE : 7/10/2023 6:09 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

USH 10 EB

USH 10 WB

EXIT
E5-1
48"X48"

LANE CLOSED
R11-2L
48"X30"

B-70-0400

B-70-0401

1325+00 'SB'

1330+00 'SB'

1335+00 'SB'

IH 41 SB

1325+00 'NB'

1330+00 'NB'

1335+00 'NB'

IH 41 NB

USH 41

MATCHLINE 1322+00 NB

B-70-0405

B-70-0409

50' TYP.

MATCHLINE A

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6E - B-70-0402 PHASE 2	SHEET 300	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6E.DWG
LAYOUT NAME - 026104-s6e

PLOT DATE : 7/25/2023 4:56 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

B-70-0406

B-70-0401

B-70-0405

B-70-0400

B-70-0402

50' TYP.

MATCHLINE A

RAILROAD

NATIONAL

LAKE ST.

MH

PIER

PIER

USH 10 WB/STH 441 SB

USH 10 EB/STH 441 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6E - B-70-0402 PHASE 2	SHEET 301	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6E.DWG
LAYOUT NAME - 026105-s6e

PLOT DATE : 7/10/2023 6:11 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON NORTHERN PORTION OF STRUCTURE B-70-0400 UNDER NIGHTLY LEFT LANE CLOSURE OF EB USH 10

N

2

B-70-0407
B-70-0406
B-70-0401
B-70-0402
B-70-0400
B-70-0405
B-70-0409

IH 41 SB
1350+00 'SB'
1350+00 'NB'
1345+00 'SB'
1345+00 'NB'
1340+00 'SB'
1340+00 'NB'
1335+00 'SB'
1335+00 'NB'
1330+00 'SB'
1330+00 'NB'
1325+00 'SB'
1325+00 'NB'
1320+00 'SB'
1320+00 'NB'
1315+00 'SB'
1315+00 'NB'
IH 41 NB

130FWN
135FWN
140FWN
145FWN
150FWN

LEFT LANE CLOSURE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

USH 10 WB
USH 10 EB
USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6F - B-70-0400 PHASE 1	SHEET 302	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6H.DWG
LAYOUT NAME - 026110-s6f
PLOT DATE : 7/10/2023 6:12 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON SOUTHERN PORTION OF STRUCTURE B-70-0400 UNDER NIGHTLY RIGHT LANE CLOSURE OF EB USH 10 AND NIGHTLY CLOSURE OF IH 41 SB EXIT RAMP TO NB STH 441

*INSTALL TRAFFIC CONTROL SIGNS PCMS SEVEN CALENDAR DAYS IN ADVANCE OF CLOSURE

FRAME 1	FRAME 2
RAMP TO CLOSE xPM-xAM	(DAY) (DATE)

N

2

PCMS *

1350+00 'SB'
1350+00 'NB'
130EWN
1345+00 'SB'
1345+00 'NB'
135EWN
1340+00 'SB'
1340+00 'NB'
140EWN
1335+00 'SB'
1335+00 'NB'
145EWN
150EWN
1330+00 'SB'
1330+00 'NB'
1325+00 'SB'
1325+00 'NB'
1320+00 'SB'
1320+00 'NB'
1315+00 'SB'
1315+00 'NB'

IH 41 SB
IH 41 NB

B-70-0407
B-70-0406
B-70-0401
B-70-0402
B-70-0400
B-70-0405
B-70-0409

USH 10 WB
USH 10 EB

RIGHT LANE CLOSURE IN ACCORDANCE WITH SDD TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

EXIT RAMP CLOSURE; SEE TRAFFIC CONTROL PLANS

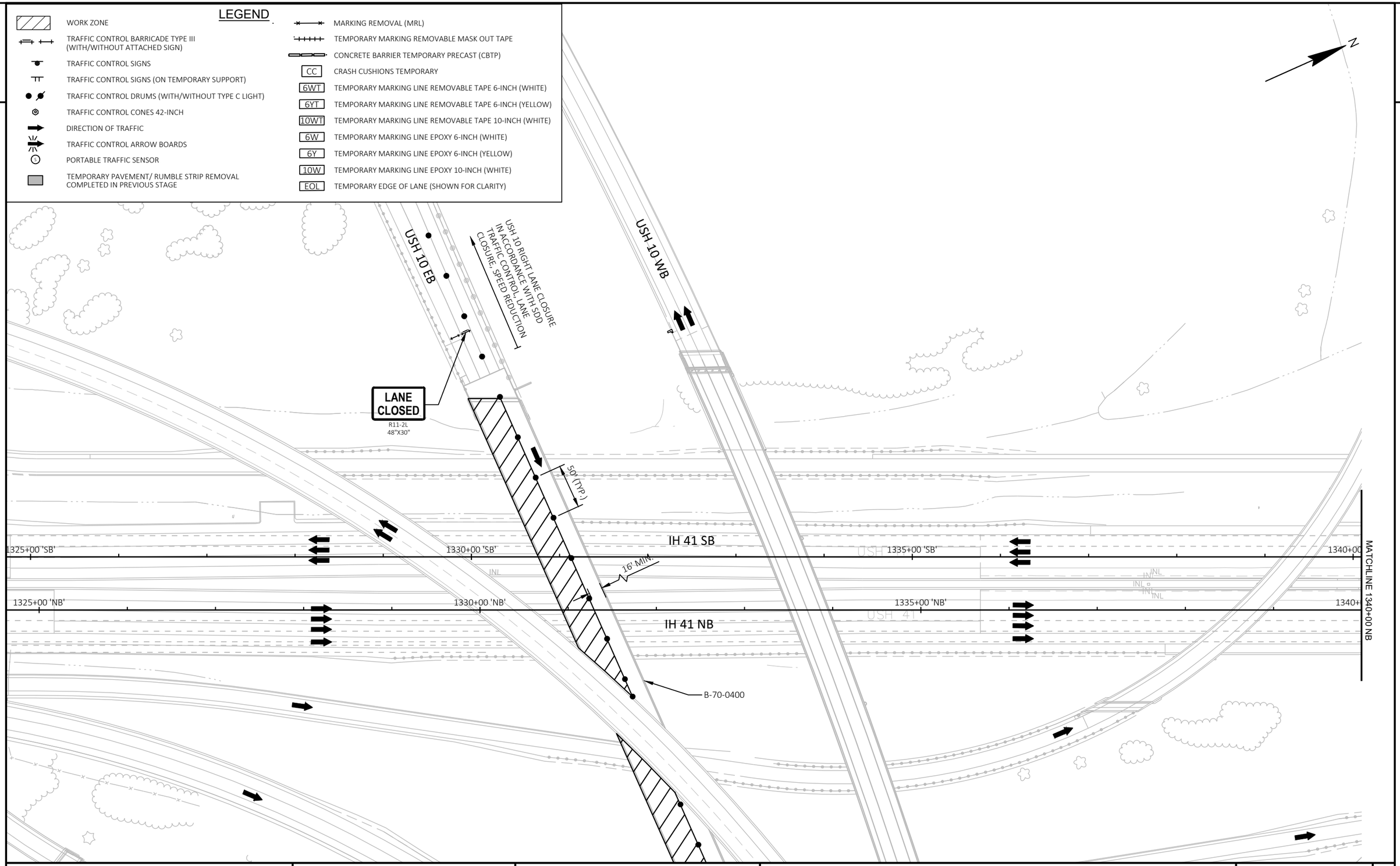
USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6G - B-70-0400 PHASE 2	SHEET 303	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

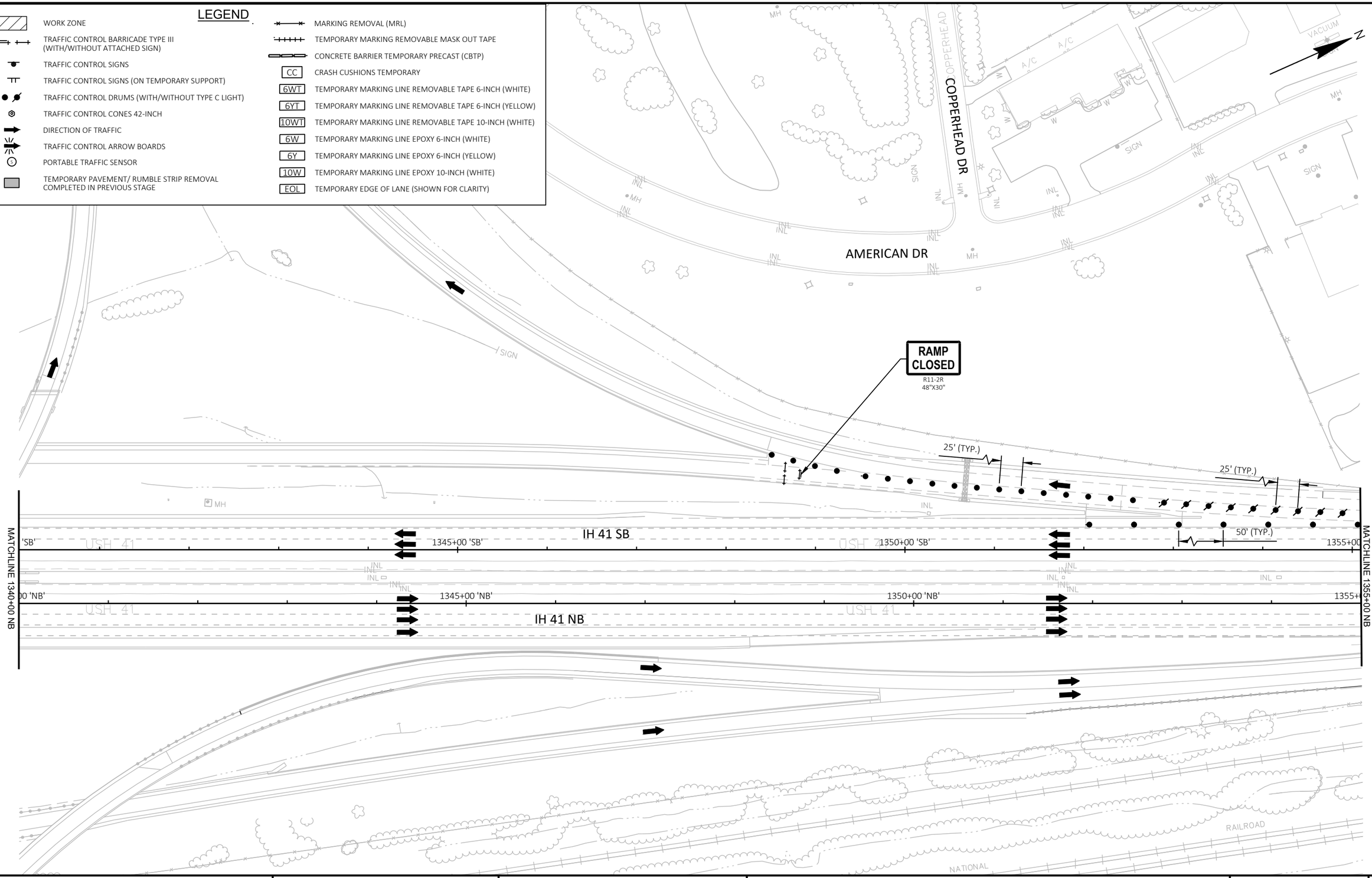


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6G	SHEET 304	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6G.DWG
LAYOUT NAME - 026111-s6G
PLOT DATE : 7/10/2023 6:14 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6G	SHEET 305	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6G.DWG
LAYOUT NAME - 026112-s6G

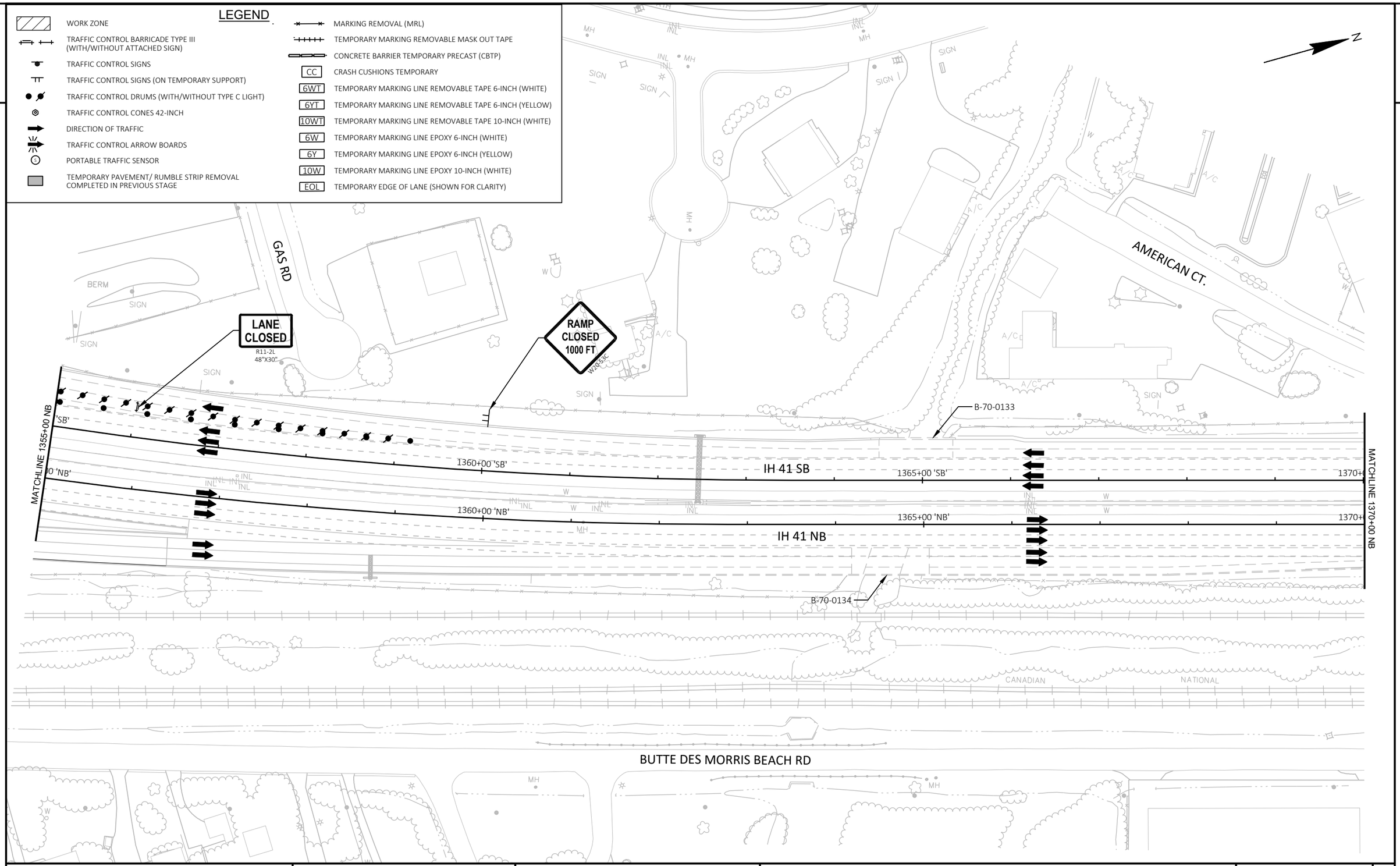
PLOT DATE : 7/10/2023 6:15 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6G	SHEET 306	E

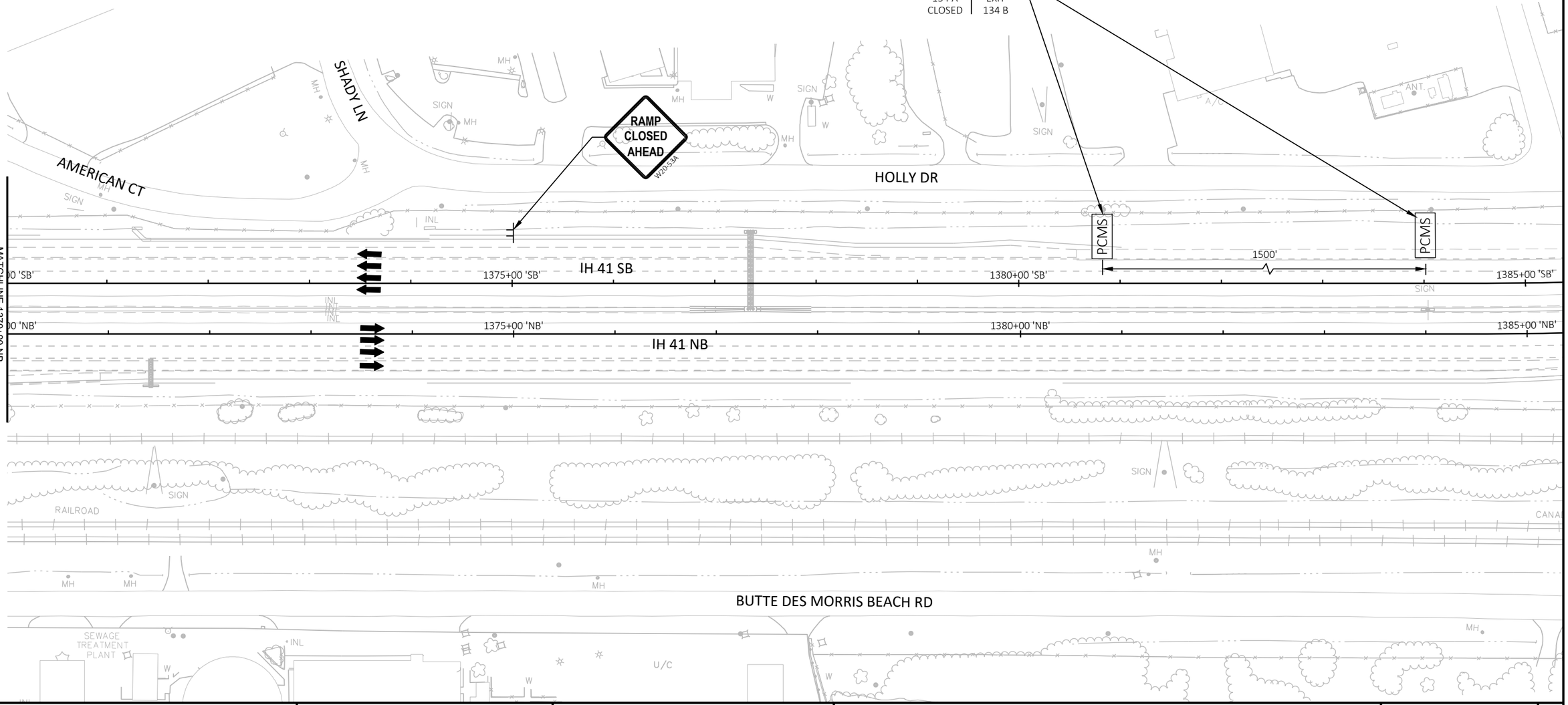
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

FRAME 1	FRAME 2
EXIT 134 A CLOSED	USE EXIT 134 B



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6G	SHEET 307	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6G.DWG
LAYOUT NAME - 026114-s6G

PLOT DATE : 7/10/2023 6:17 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON STRUCTURE B-70-0406 UNDER FULL CLOSURE OF USH 10 WB/STH 441 SB EXIT RAMP TO NB IH 41

SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION
SEE RAMP DETOUR SHEET FOR ADDITIONAL INFORMATION

WORK IS NOT ALLOWED CONCURRENTLY WITH B-70-0409
WORK IS NOT ALLOWED CONCURRENTLY WITH RAMP II-D CLOSURE
WORK IS NOT ALLOWED CONCURRENTLY WITH RAMP CA-A CLOSURE
WORK IS NOT ALLOWED CONCURRENTLY WITH RAMP CA-B CLOSURE

*INSTALL TRAFFIC CONTROL SIGNS PCMS SEVEN CALENDAR DAYS IN ADVANCE OF CLOSURE

FRAME 1	FRAME 2
RAMP TO CLOSE LONGTERM	STARTING (DAY) (DATE)

N

2

B-70-0407
B-70-0406
B-70-0401
B-70-0400
B-70-0402
B-70-0405
B-70-0409

IH 41 SB
IH 41 NB

1350+00 'SB'
1350+00 'NB'
1345+00 'SB'
1345+00 'NB'
1340+00 'SB'
1340+00 'NB'
1335+00 'SB'
1335+00 'NB'
1330+00 'SB'
1330+00 'NB'
1325+00 'SB'
1325+00 'NB'
1320+00 'SB'
1320+00 'NB'
1315+00 'SB'
1315+00 'NB'

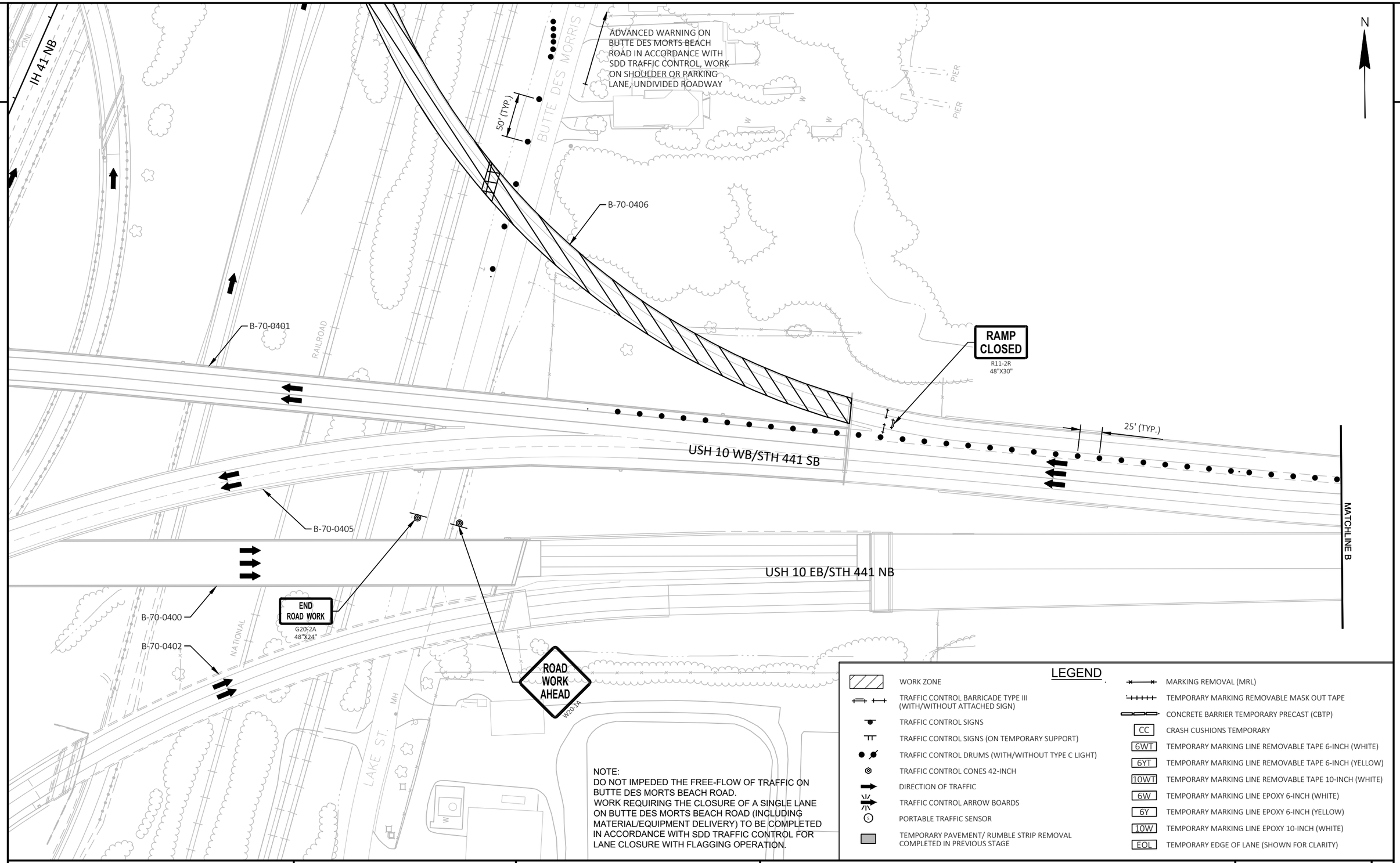
135FWN
130FWN
PCMS*
145FWN
150FWN

USH 10 WB
USH 10 EB

USH 10 WB RIGHT LANE CLOSURE;
SEE TRAFFIC CONTROL PLANS

USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6H - B-70-0406	SHEET 308	E



NOTE:
DO NOT IMPEDED THE FREE-FLOW OF TRAFFIC ON BUTTE DES MORTS BEACH ROAD.
WORK REQUIRING THE CLOSURE OF A SINGLE LANE ON BUTTE DES MORTS BEACH ROAD (INCLUDING MATERIAL/EQUIPMENT DELIVERY) TO BE COMPLETED IN ACCORDANCE WITH SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.

LEGEND

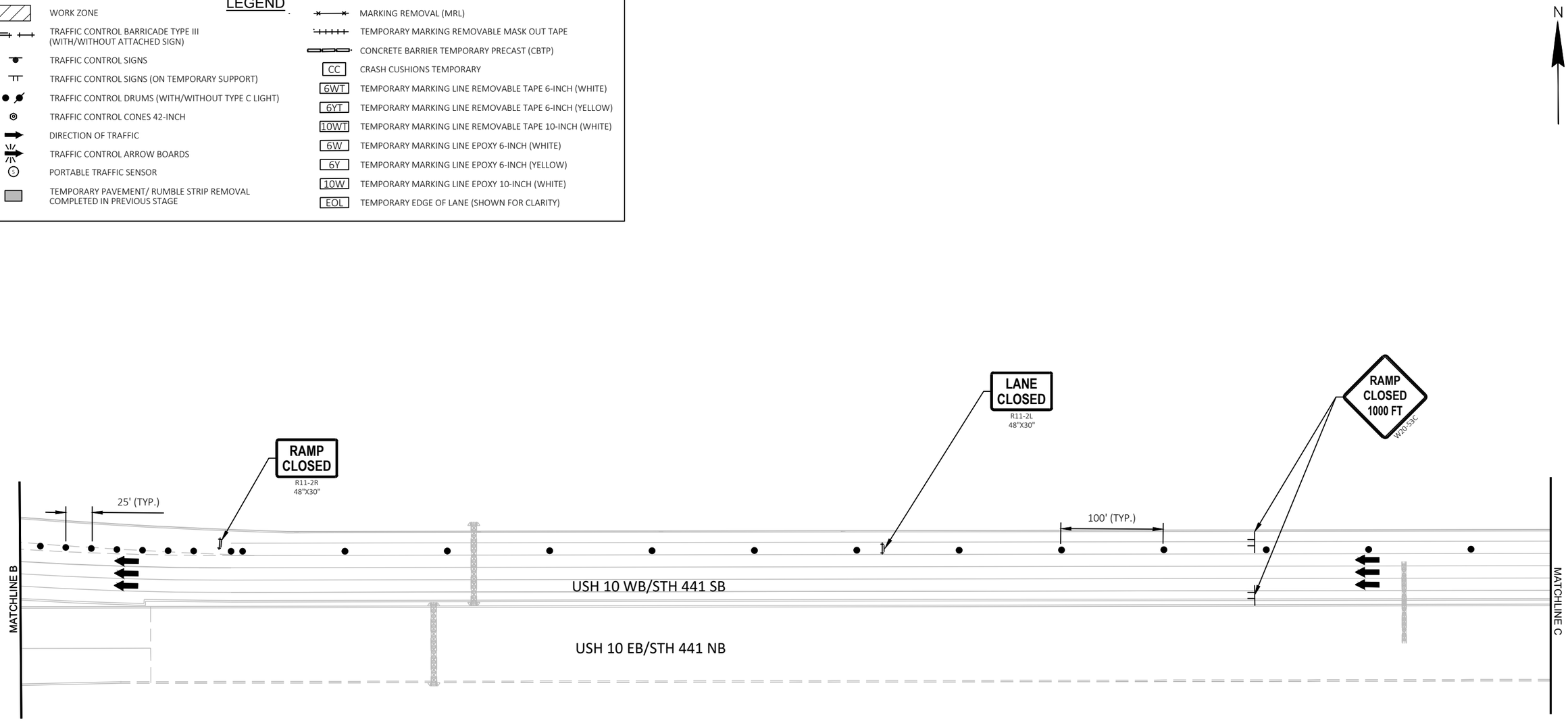
- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6H - B-70-0406	SHEET 309	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026102-TC_S6H.DWG
LAYOUT NAME - 026111-s6H
PLOT DATE : 7/10/2023 6:19 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

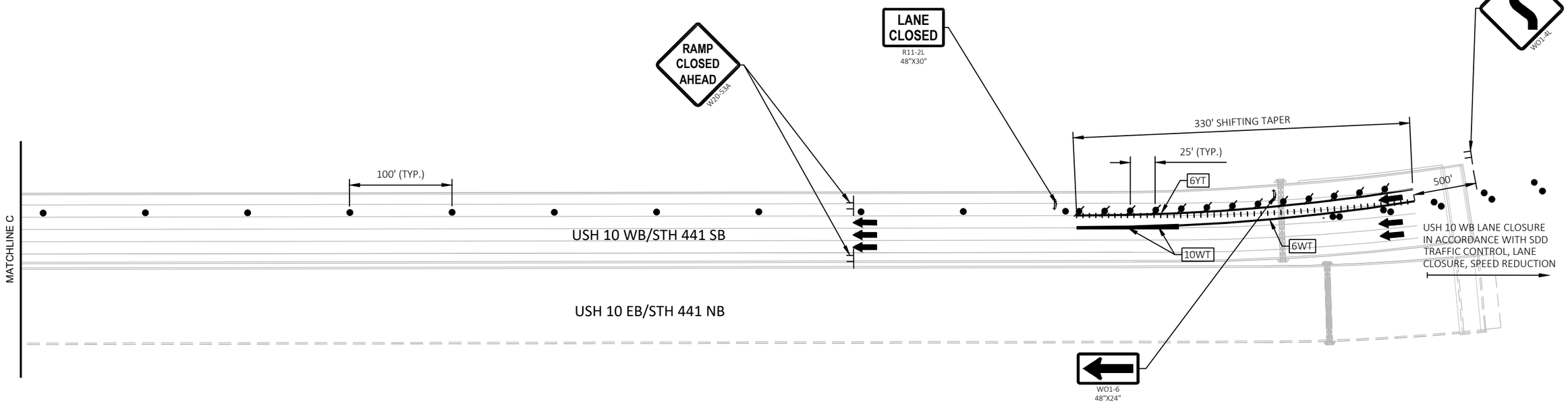
LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



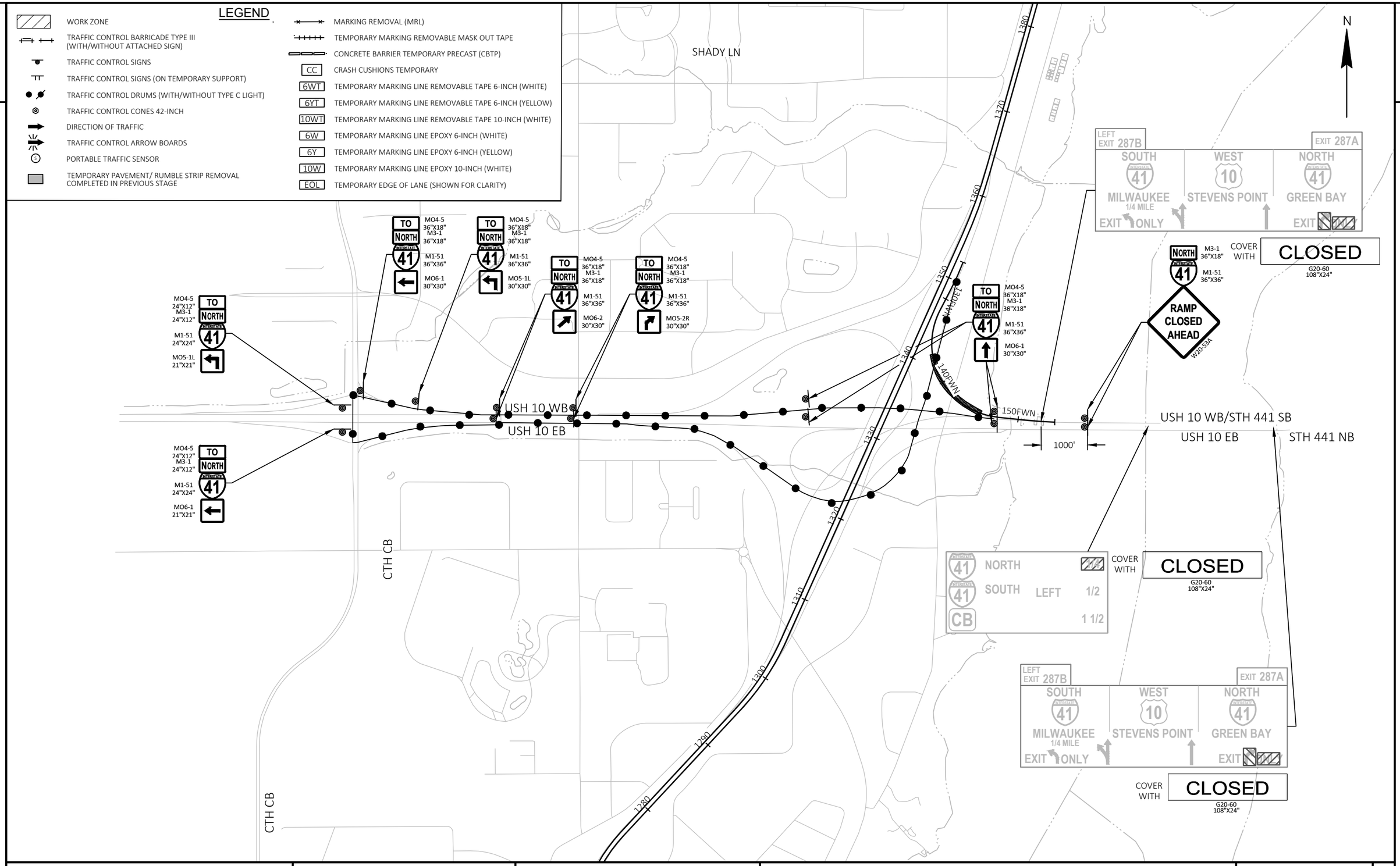
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6H - B-70-0406	SHEET 311	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026102-TC_S6H.DWG
LAYOUT NAME - 026113-s6H
PLOT DATE : 7/10/2023 6:21 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6H DETOUR	SHEET 312	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6H_DETOUR.DWG
LAYOUT NAME - s6H_Detour

PLOT DATE : 7/27/2023 7:40 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON STRUCTURE B-70-0407 UNDER NIGHTLY CLOSURE OF NB IH 41 EXIT RAMP TO WB USH 10

SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION
.
WORK IS NOT ALLOWED CONCURRENTLY WITH B-70-0402.

*INSTALL PCMS 7 CALENDAR DAYS IN ADVANCE OF CLOSURE

FRAME 1	FRAME 2
RAMP TO CLOSE xPM-xAM	(DAY) (DATE)

N

2

B-70-0407
B-70-0406
B-70-0401
B-70-0402
B-70-0400
B-70-0405
B-70-0409
PCMS *
IH 41 SB
IH 41 NB
EXIT RAMP CLOSURE. SEE TRAFFIC CONTROL PLANS
USH 10 WB
USH 10 EB
USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB
1350+00 'SB'
1350+00 'NB'
1345+00 'SB'
1345+00 'NB'
1340+00 'SB'
1340+00 'NB'
1335+00 'SB'
1335+00 'NB'
1330+00 'SB'
1330+00 'NB'
1325+00 'SB'
1325+00 'NB'
1320+00 'SB'
1320+00 'NB'
1315+00 'SB'
1315+00 'NB'
130FWN
135FWN
140FWN
145FWN
150FWN

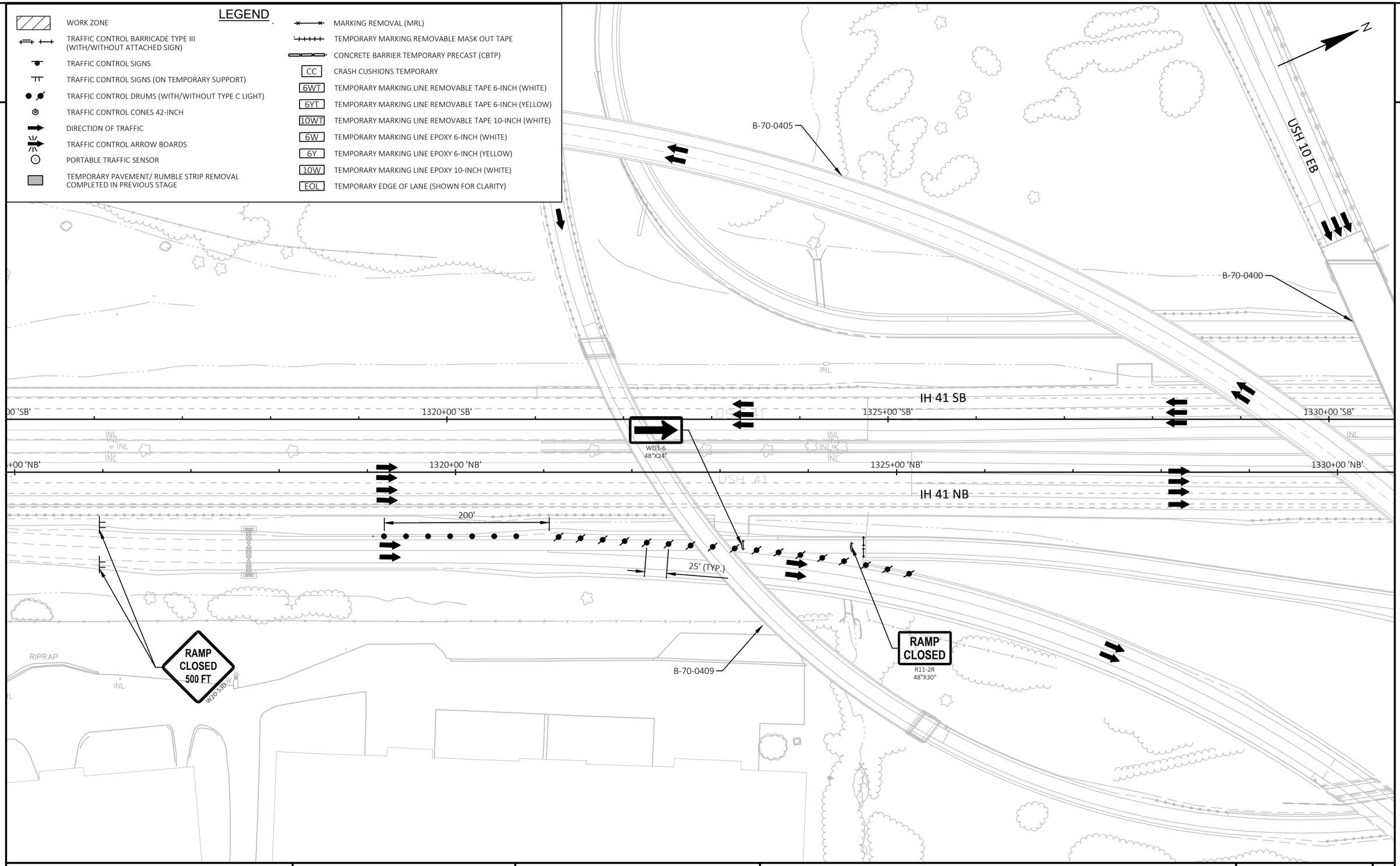
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6I - B-70-0407	SHEET 313	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6H.DWG
LAYOUT NAME - 026110-s6i
PLOT DATE : 7/10/2023 6:23 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ############

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6I - B-70-0470	SHEET 314	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6I.DWG
LAYOUT NAME - 026111-s6I

PLOT DATE : 7/10/2023 6:24 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON STRUCTURE B-70-0409 UNDER NIGHTLY CLOSURE OF USH 10 EB EXIT RAMP TO NB IH 41.

SEE TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.

WORK IS NOT ALLOWED CONCURRENTLY WITH B-70-0406
WORK IS NOT ALLOWED CONCURRENTLY WITH RAMP II-C CLOSURE

*INSTALL TRAFFIC CONTROL SIGNS PCMS SEVEN CALENDAR DAYS IN ADVANCE OF CLOSURE

FRAME 1	FRAME 2
RAMP TO CLOSE xPM-xAM	(DAY) (DATE)

N

2

B-70-0407
B-70-0406
B-70-0401
B-70-0402
B-70-0400
B-70-0405
B-70-0409

IH 41 SB
IH 41 NB

1350+00 'SB'
1350+00 'NB'
1345+00 'SB'
1345+00 'NB'
1340+00 'SB'
1340+00 'NB'
1335+00 'SB'
1335+00 'NB'
1330+00 'SB'
1330+00 'NB'
1325+00 'SB'
1325+00 'NB'
1320+00 'SB'
1320+00 'NB'
1315+00 'SB'
1315+00 'NB'

130FWN
135FWN
140FWN
145FWN
150FWN

USH 10 WB
USH 10 EB
USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB

PCMS*

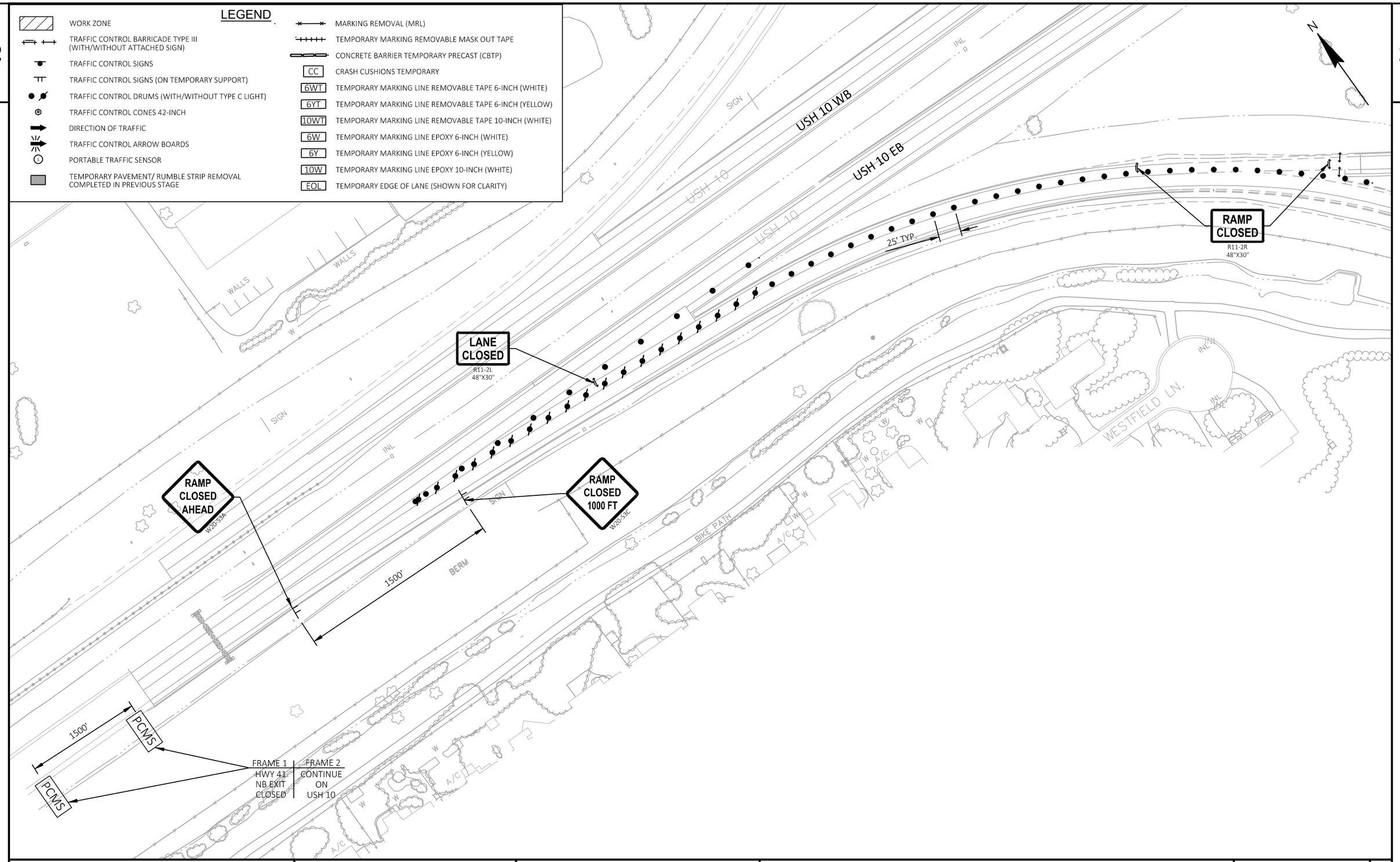
EXIT RAMP CLOSURE; SEE TRAFFIC CONTROL PLANS

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6J - B-70-0409	SHEET 315	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6J - B-70-0409	SHEET 316	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6J.DWG
LAYOUT NAME - 026111-s6J
PLOT DATE : 7/10/2023 6:26 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

NOTES:
COMPLETE WORK ON STRUCTURE B-70-0210 UNDER CLSOURE OF JACOBSEN ROAD IN ACCORDANCE WITH SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

WORK IS NOT ALLOWED CONCURRENTLY WITH CLOSURE OF GREEN BAY ROAD (STAGE 3B, 3C)

*INSTALL TRAFFIC CONTROL SIGNS PCMS SEVEN CALENDAR DAYS IN ADVANCE OF CLOSURE

FRAME 1	FRAME 2
ROAD TO CLOSE LONGTERM	STARTING (DAY) (DATE)

N

2

B-70-0407
B-70-0406
B-70-0401
B-70-0400
B-70-0402
B-70-0405
B-70-0409
B-70-0210

135FWN
140FWN
145FWN
150FWN

1340+00 SB
1340+00 NB
1335+00 SB
1335+00 NB
1330+00 SB
1330+00 NB
1325+00 SB
1325+00 NB
1320+00 SB
1320+00 NB
1315+00 SB
1315+00 NB
1310+00 SB
1310+00 NB
1305+00 SB
1305+00 NB

USH 10 WB
USH 10 EB
USH 10 WB/STH 441 SB
USH 10 EB/STH 441 NB
IH 41 SB
IH 41 NB

JACOBSEN RD
AMERICAN DR
EHLERS RD
NORTH LAKE ST

PCMS
PCMS

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6K - B-70-0210	SHEET 317	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6H.DWG
LAYOUT NAME - 026110-s6k

PLOT DATE : 7/10/2023 6:27 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

BIKE PATH

10'SB'+00

1315'SB'+00

IH 41 SB

1320'SB'+00

1325'SB

MATCHLINE 1325+00 NB

310'NB'+00

1315'NB'+00

IH 41 NB

1320'NB'+00

1325'N

50' (TYP.)

+60 'NB', 36.0' RT

50' (TYP.)

6W

ADVANCED WARNING IN ACCORDANCE WITH SDD TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY

USH 41

INL

RIPRAP

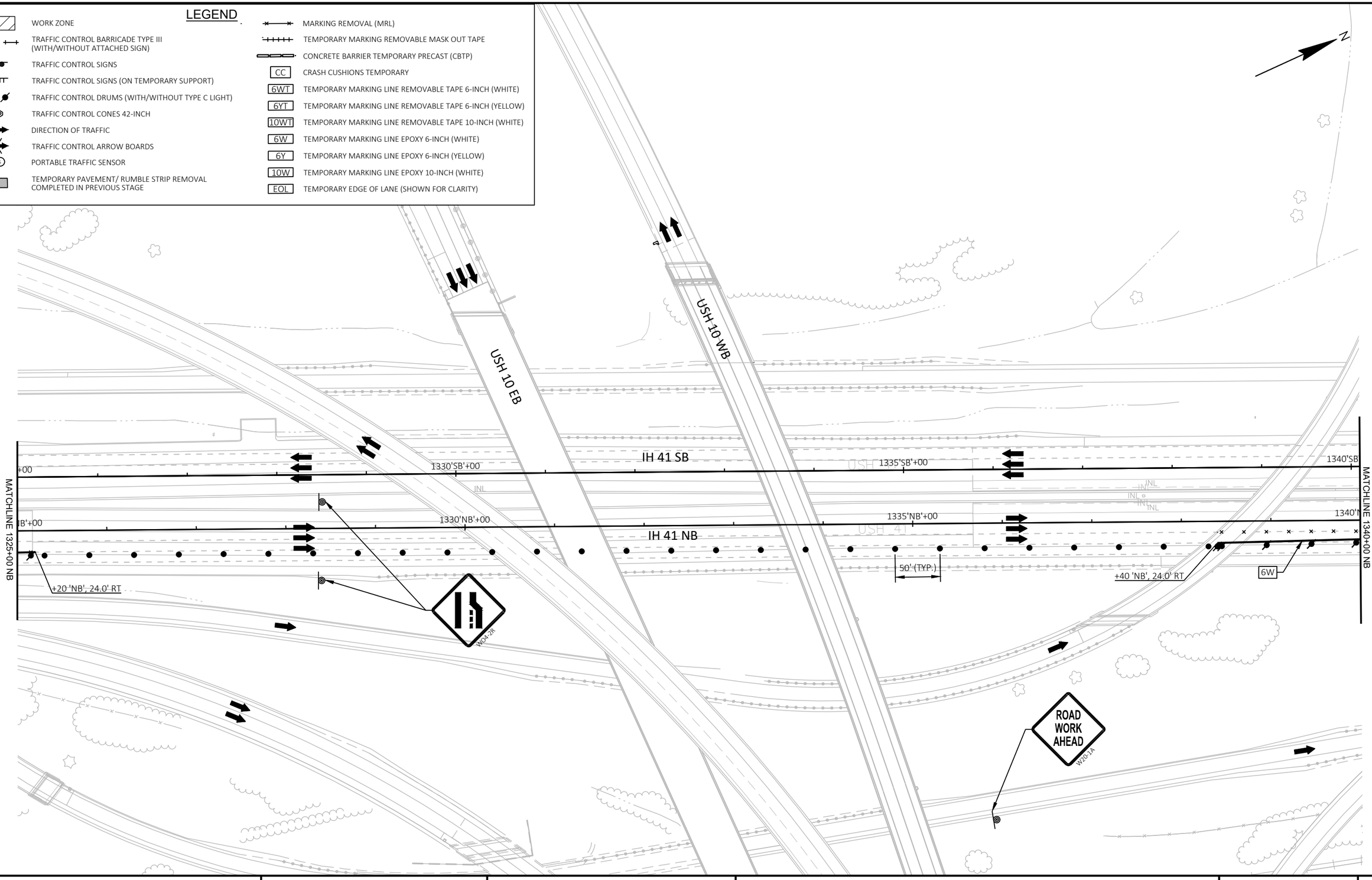
N

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 1	SHEET 318	E

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 1	SHEET 319	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L1.DWG
LAYOUT NAME - 026102-tc-s6L1

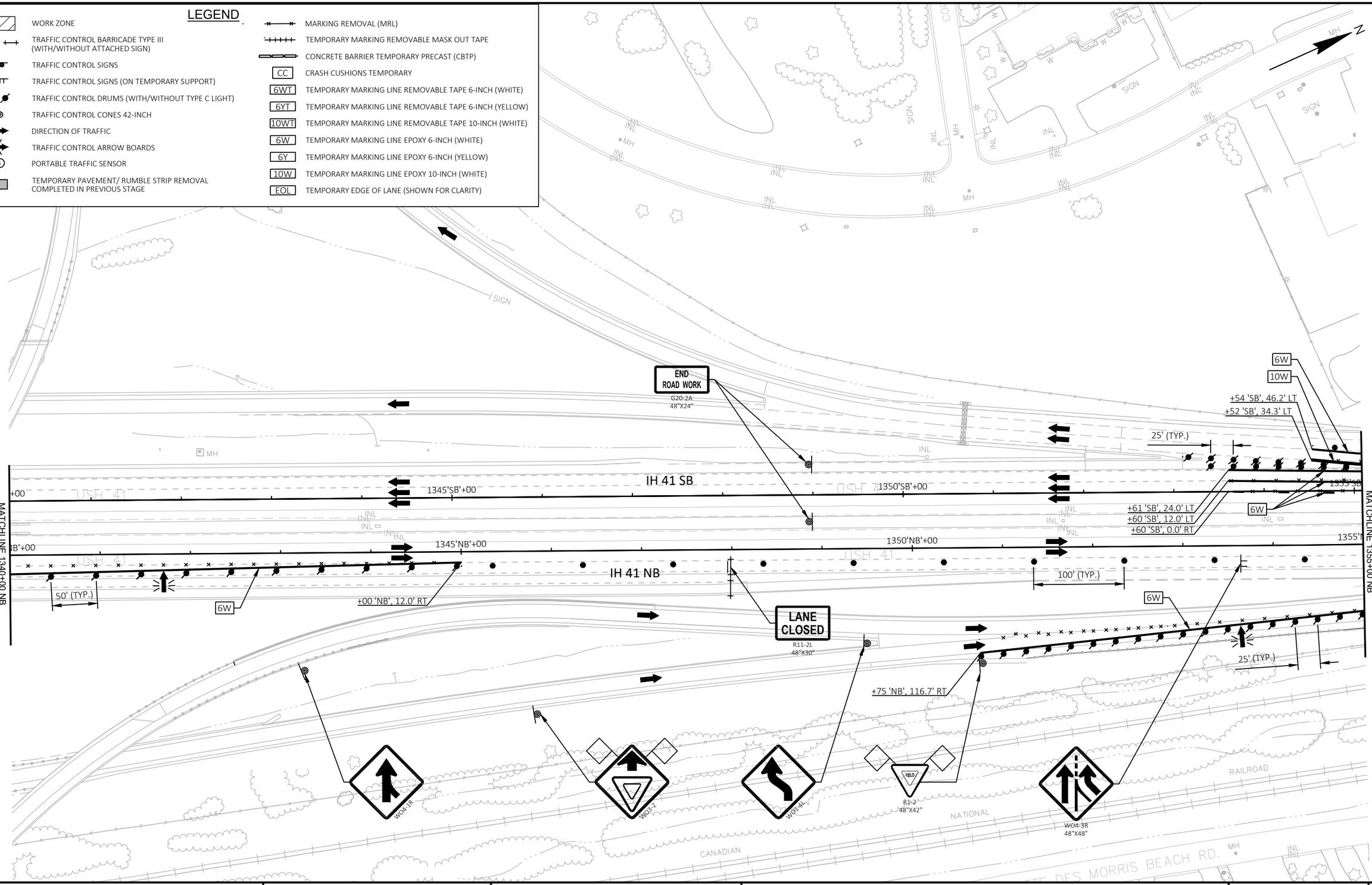
PLOT DATE : 7/10/2023 6:29 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

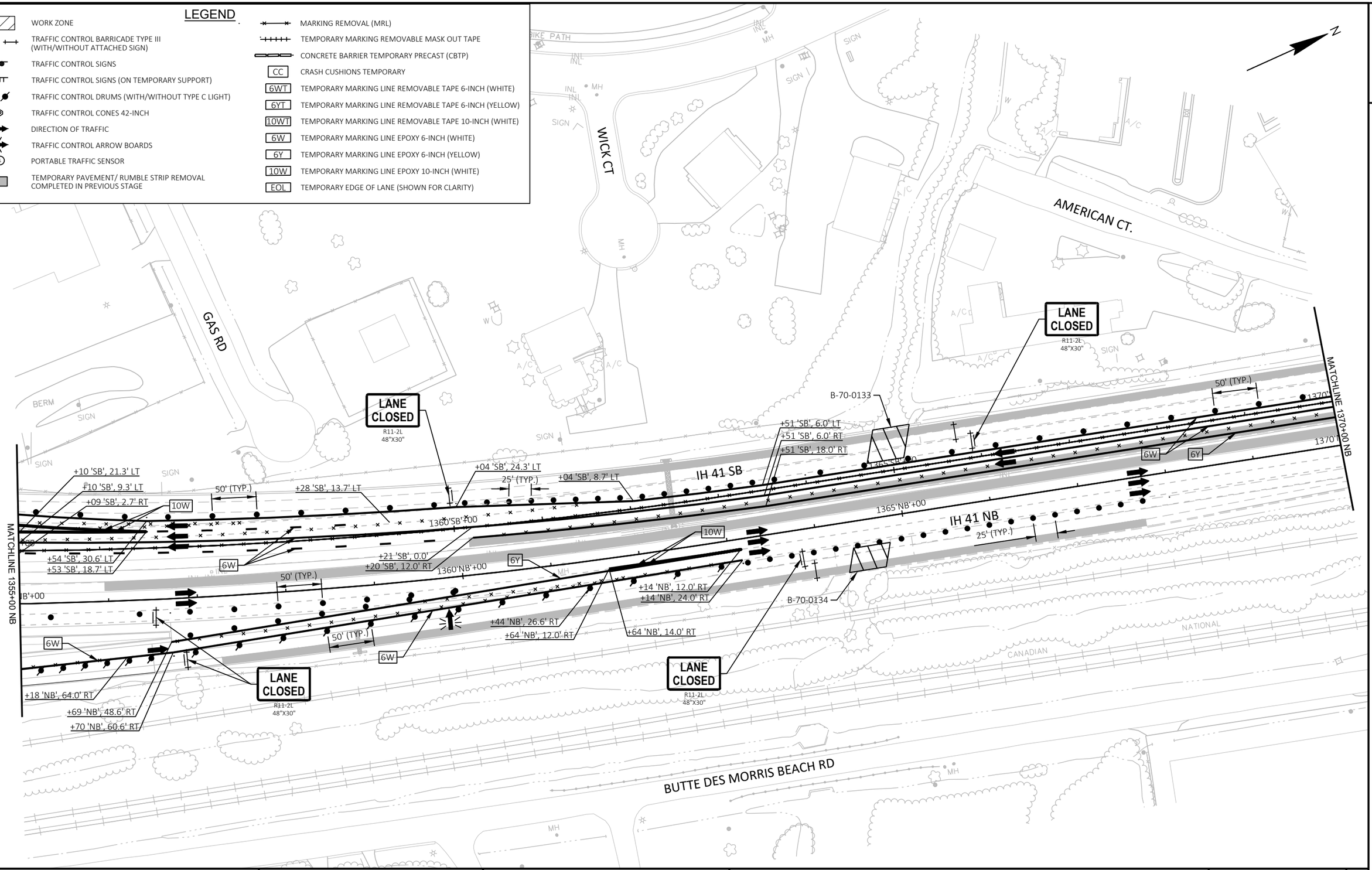
- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 1	SHEET 320	E

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



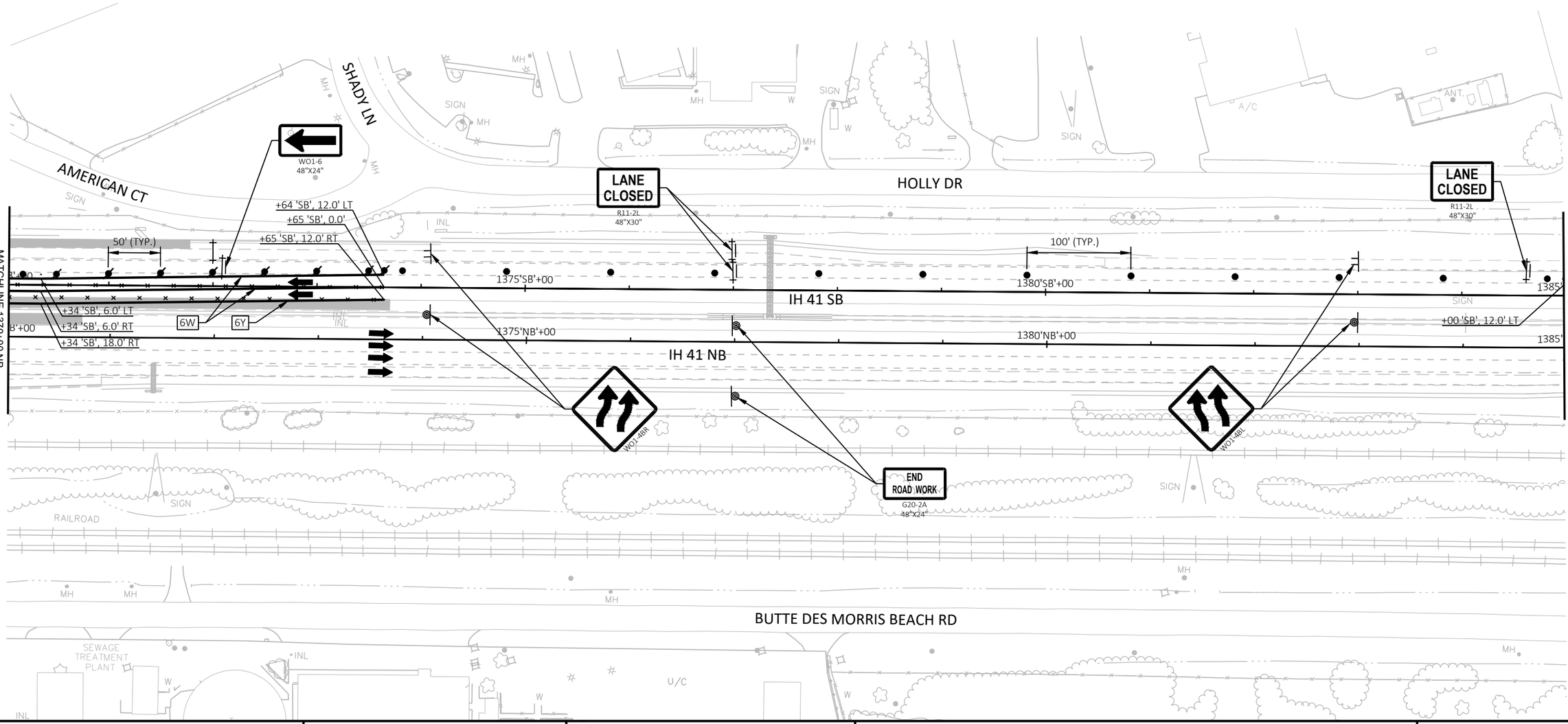
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



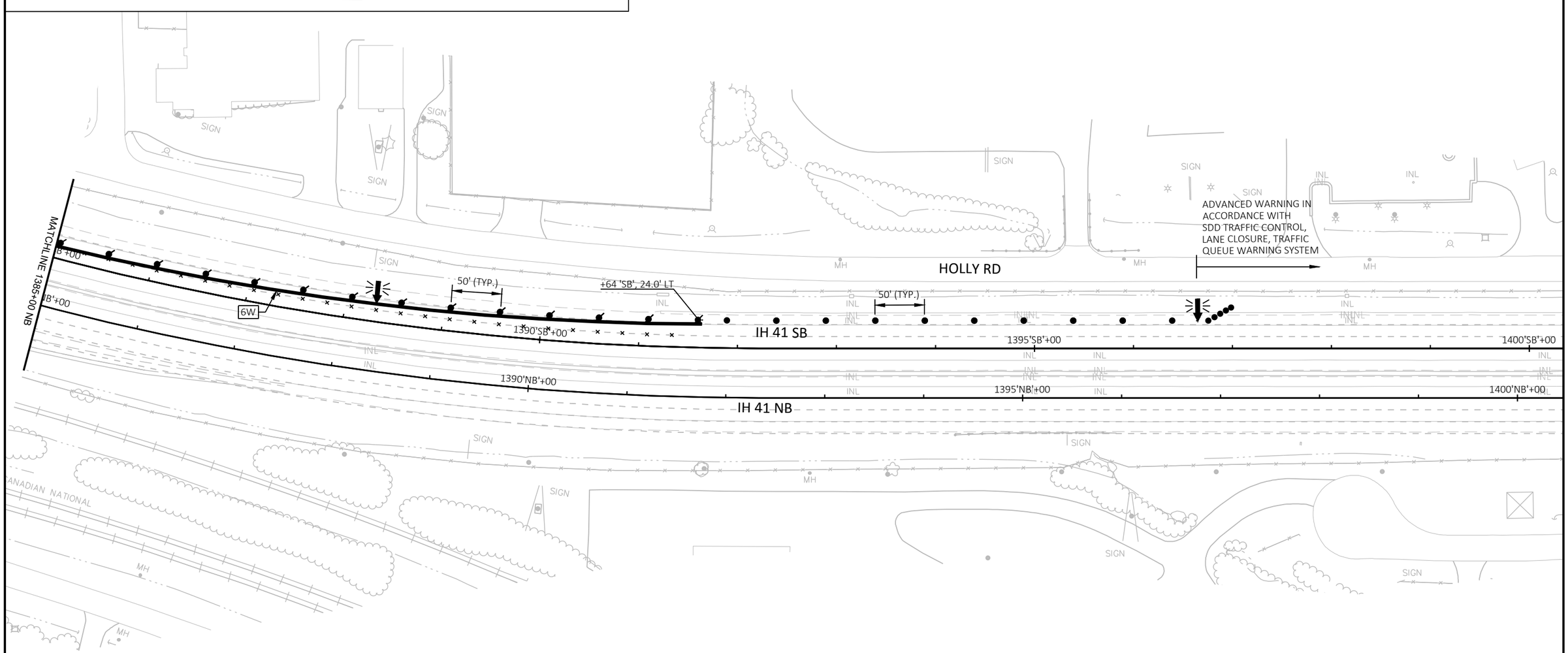
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 1	SHEET 322	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L1.DWG
LAYOUT NAME - 026105-tc-s6L1
PLOT DATE : 7/10/2023 6:32 PM
PLOT BY : EDERER, BRAD
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 1	SHEET 323	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L1.DWG
LAYOUT NAME - 026106-tc-s6L1

PLOT DATE : 7/10/2023 6:33 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

BIKE PATH

USH 41

IH 41 SB

IH 41 NB

10'SB'+00

1315'SB'+00

1320'SB'+00

1325'SB

310'NB'+00

1315'NB'+00

1320'NB'+00

1325'N

MATCHLINE 1325+00 NB

50' (TYP.)

50' (TYP.)

+60 'NB', 36.0' RT

6W

ADVANCED WARNING IN ACCORDANCE WITH SDD TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY

RIPRAP

RIPRAP

INL

N

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 324	E

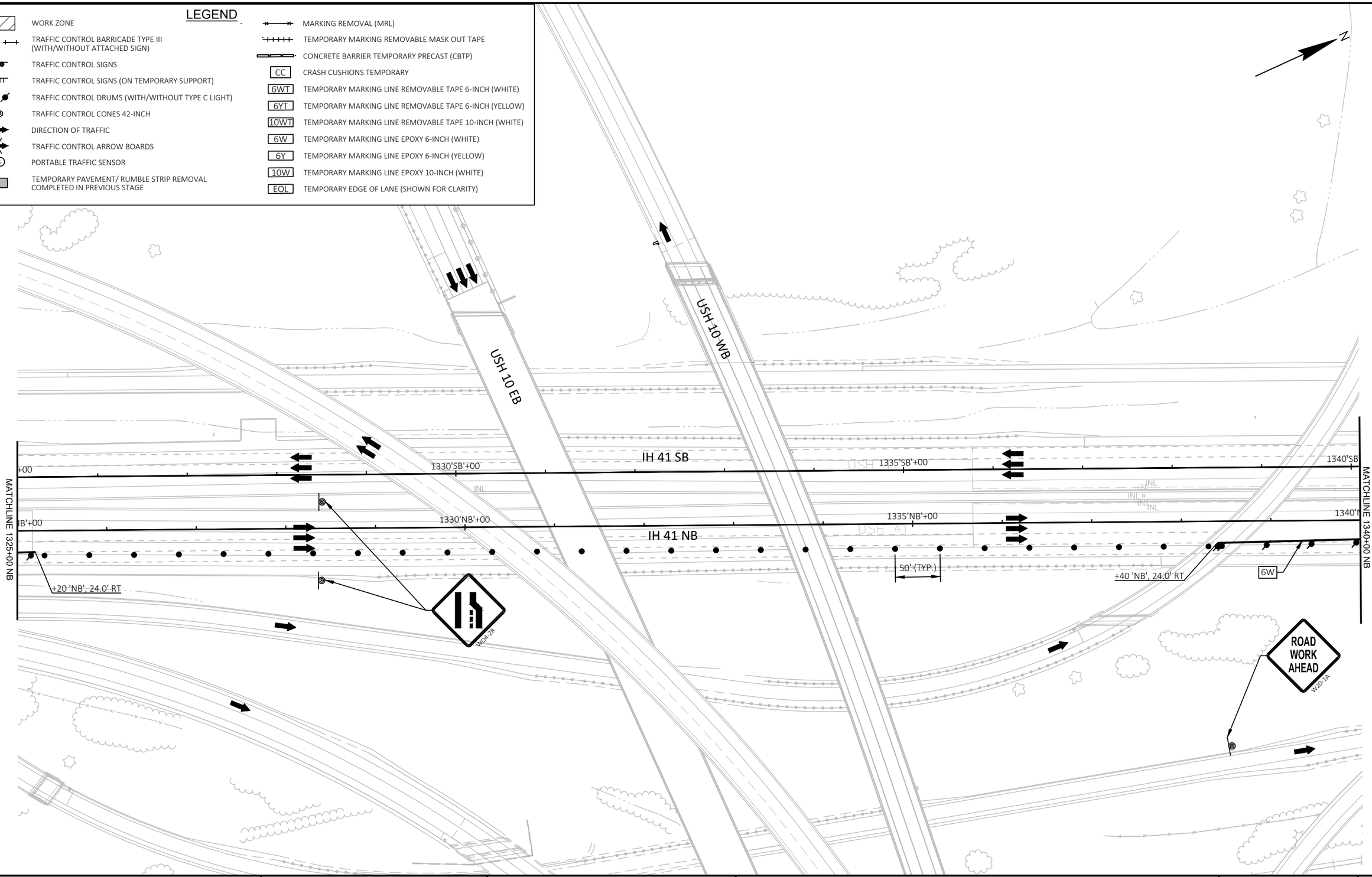
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026101-tc-s6L2

PLOT DATE : 7/10/2023 6:34 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 325	E

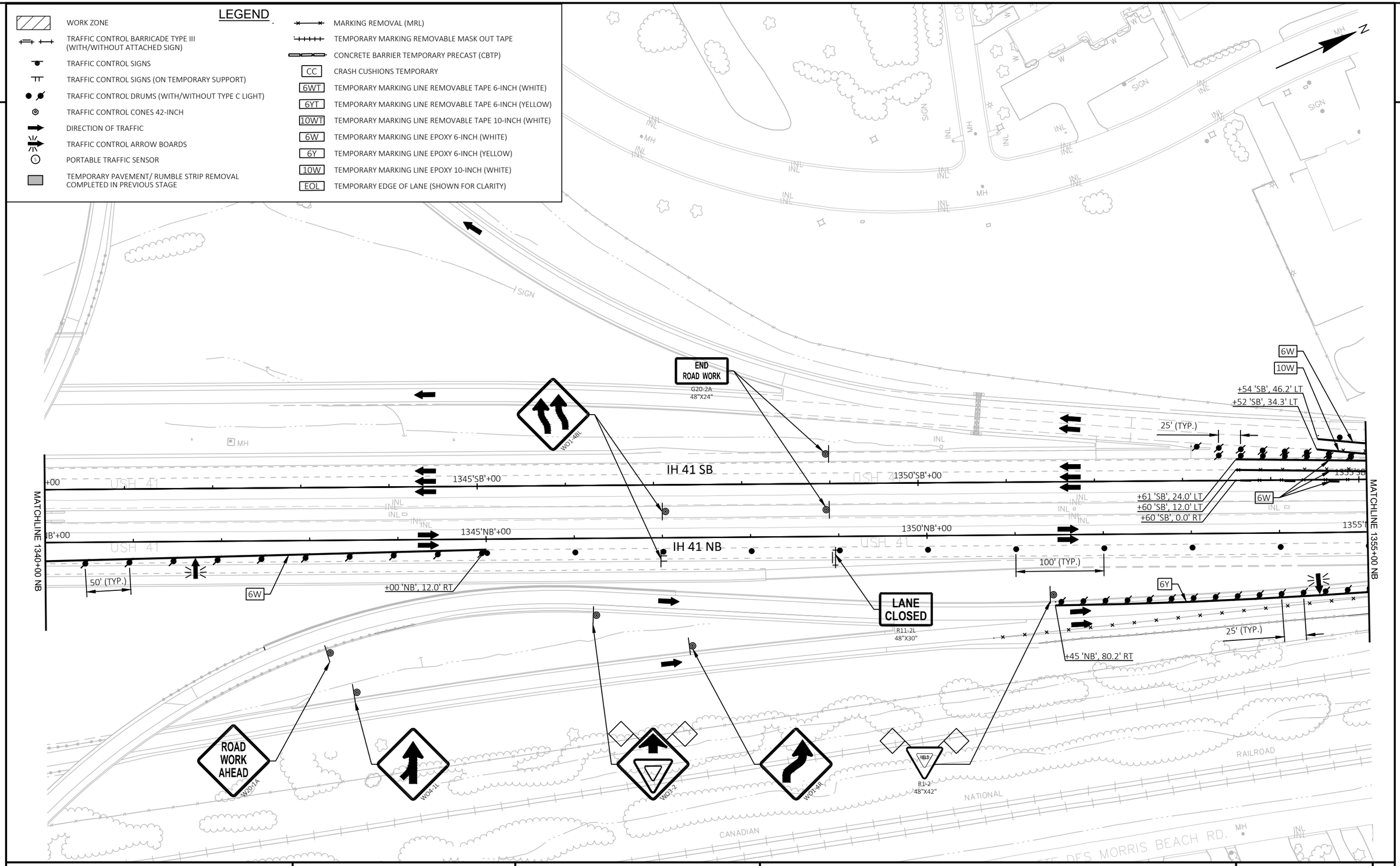
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026102-tc-s6L2

PLOT DATE : 7/10/2023 6:36 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



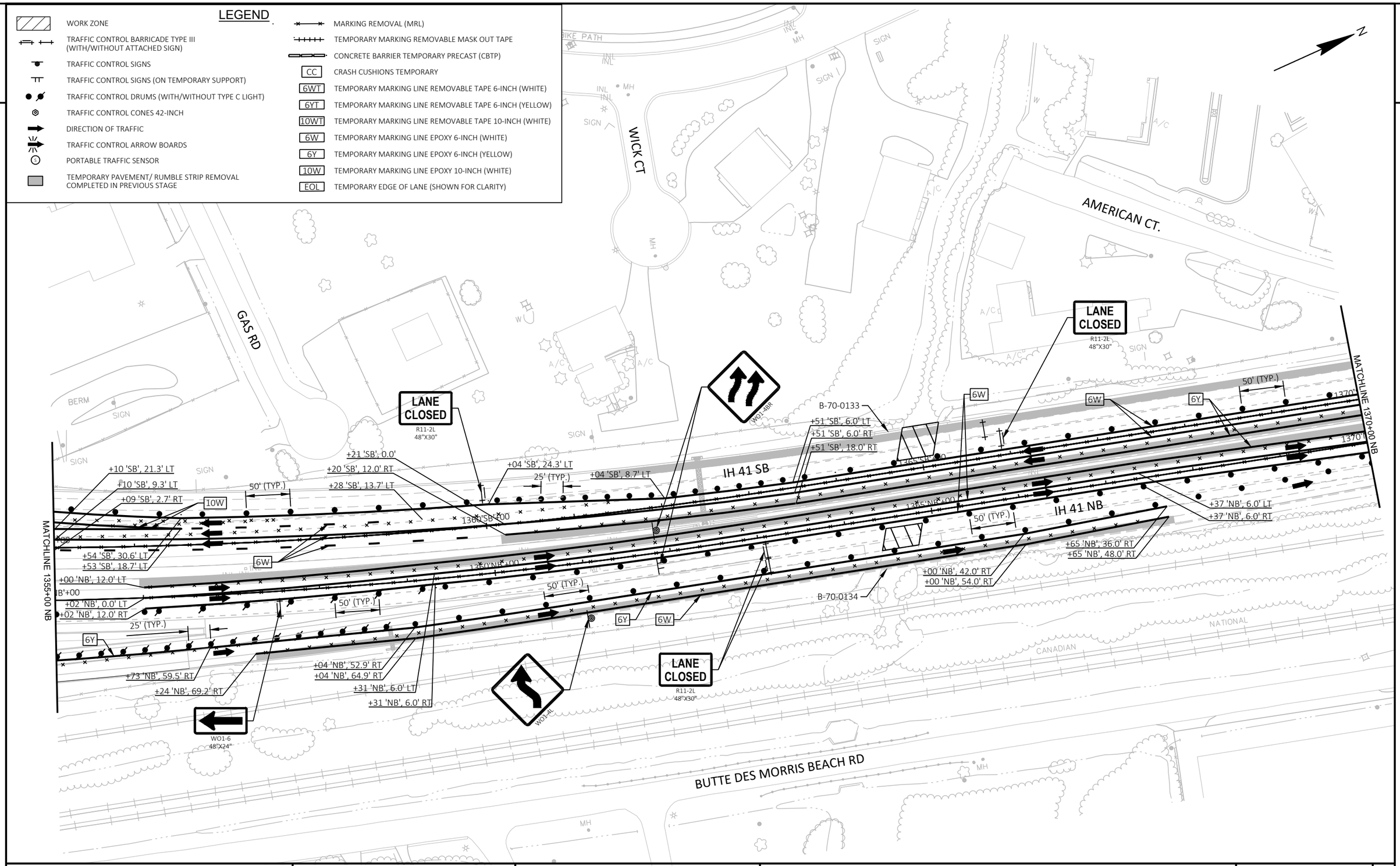
PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 326 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026103-tc-s6L2
PLOT DATE : 7/10/2023 6:35 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 327	E

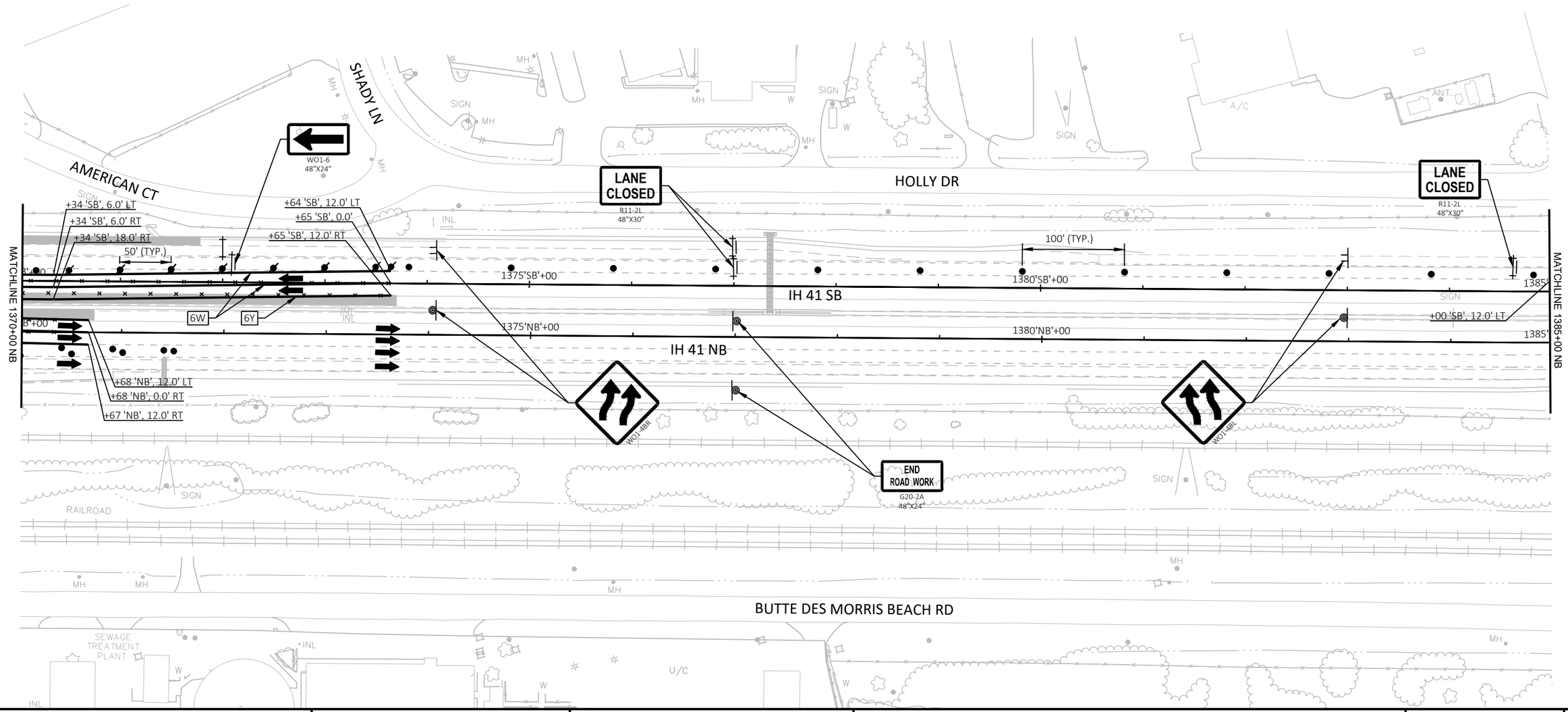
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026104-tc-s6L2

PLOT DATE : 7/10/2023 6:37 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 328	E

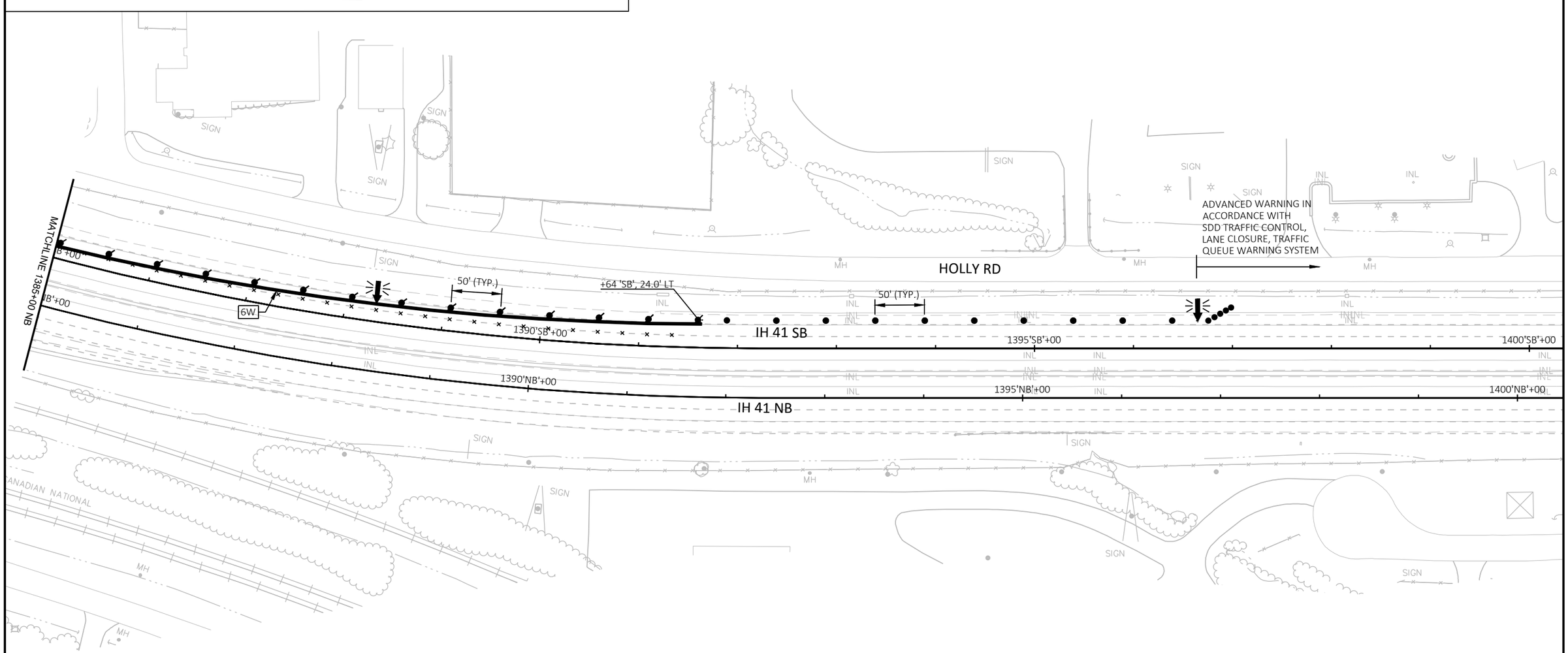
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026105-tc-s6L2

PLOT DATE : 7/10/2023 6:38 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6L-PHASE 2	SHEET 329	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6L2.DWG
LAYOUT NAME - 026106-tc-s6L2

PLOT DATE : 7/10/2023 6:39 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

BIKE PATH

IH 41 SB

IH 41 NB

USH 41

10'SB'+00

1315'SB'+00

1320'SB'+00

1325'SB

310'NB'+00

1315'NB'+00

1320'NB'+00

1325'N

+60 'NB', 12.0' LT

+60 'NB', 24.0' RT

50' (TYP.)

50' (TYP.)

6Y

6W

MATCHLINE 1325+00 NB

ADVANCED WARNING IN ACCORDANCE WITH SDD TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY

RIPRAP

RIPRAP

INL

N

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 330	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6M.DWG
LAYOUT NAME - 026101-tc-s6M

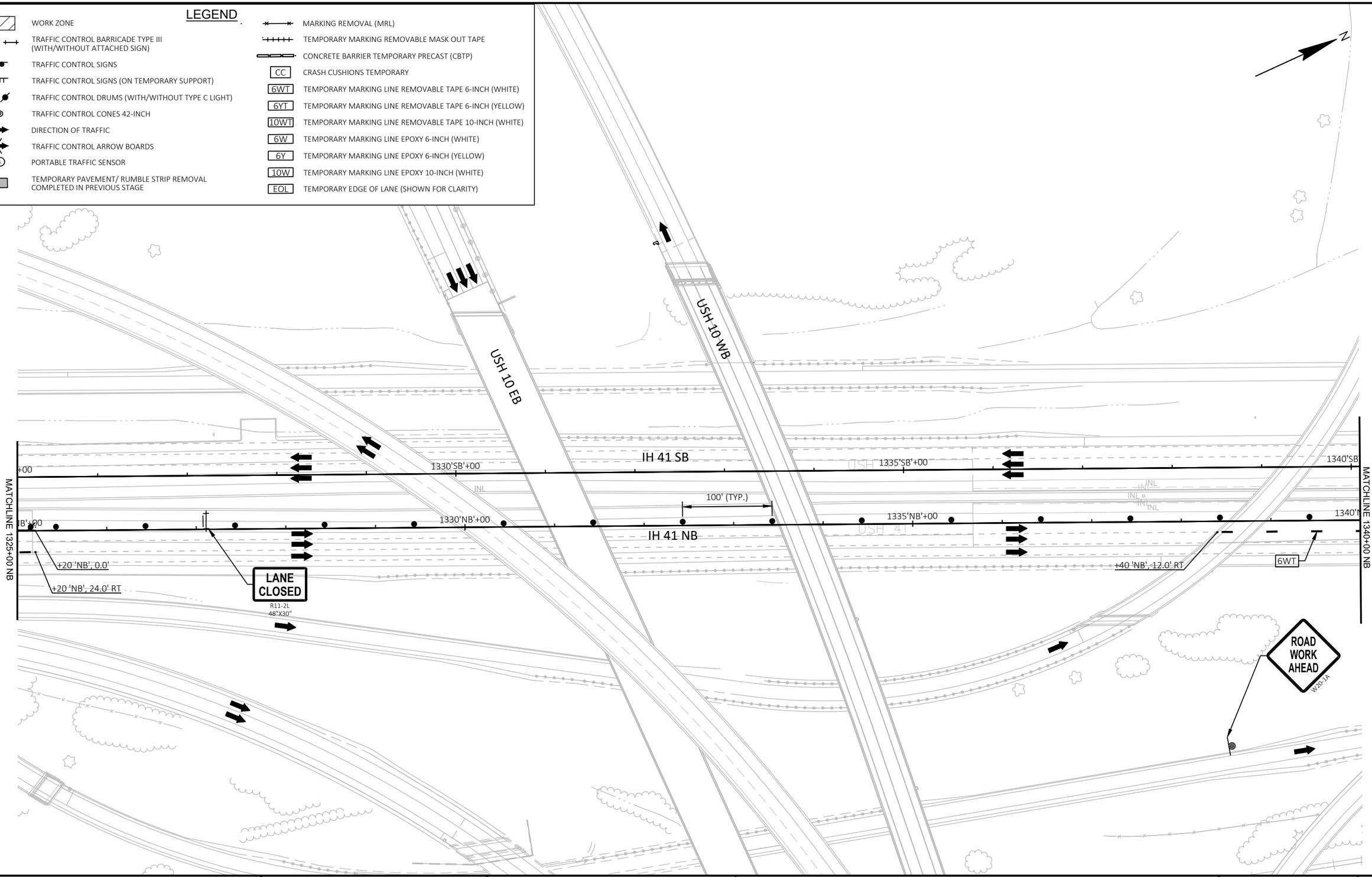
PLOT DATE : 7/10/2023 6:40 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 331	E

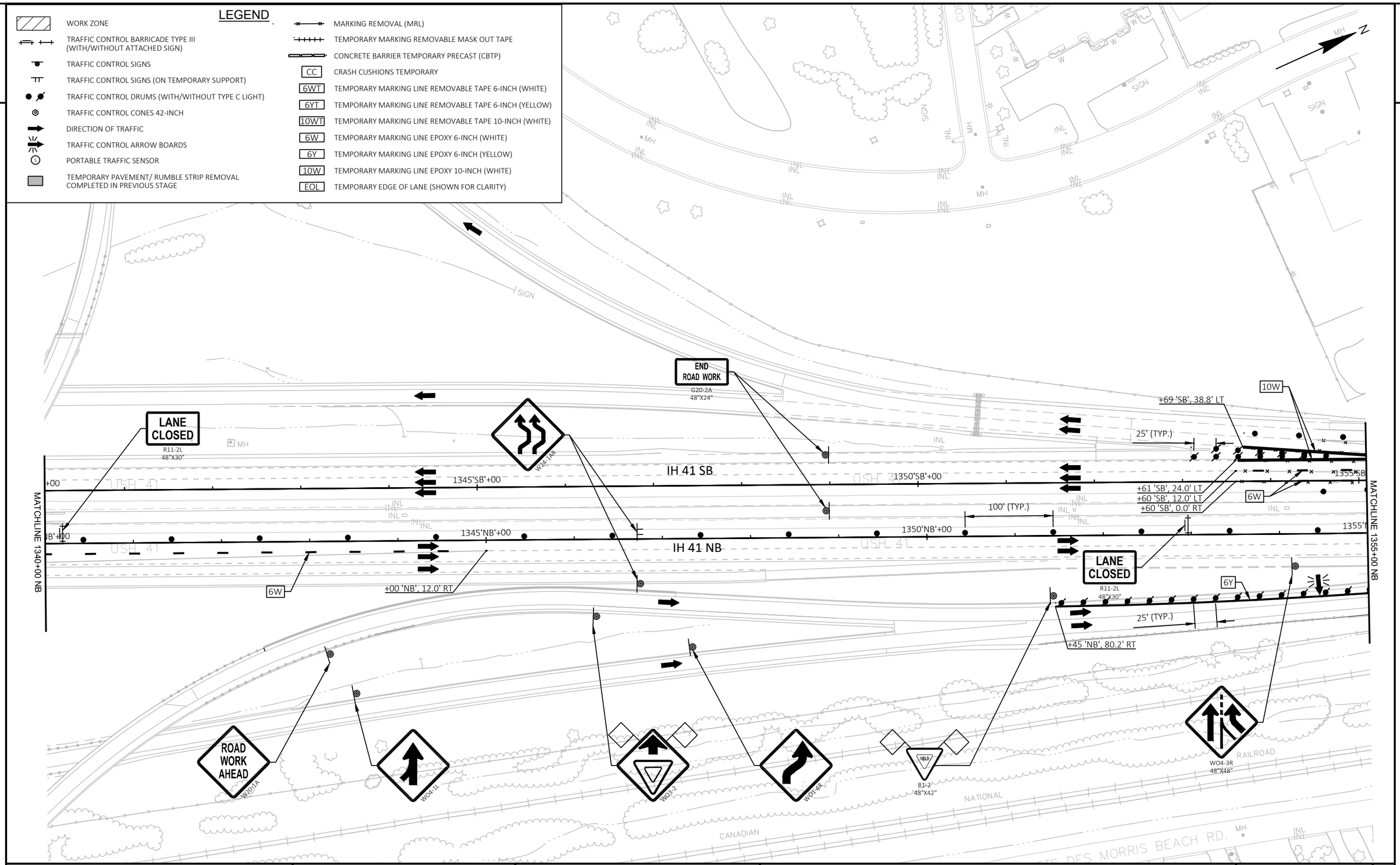
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6M.DWG
LAYOUT NAME - 026102-tc-s6M

PLOT DATE : 7/10/2023 6:41 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 332	E

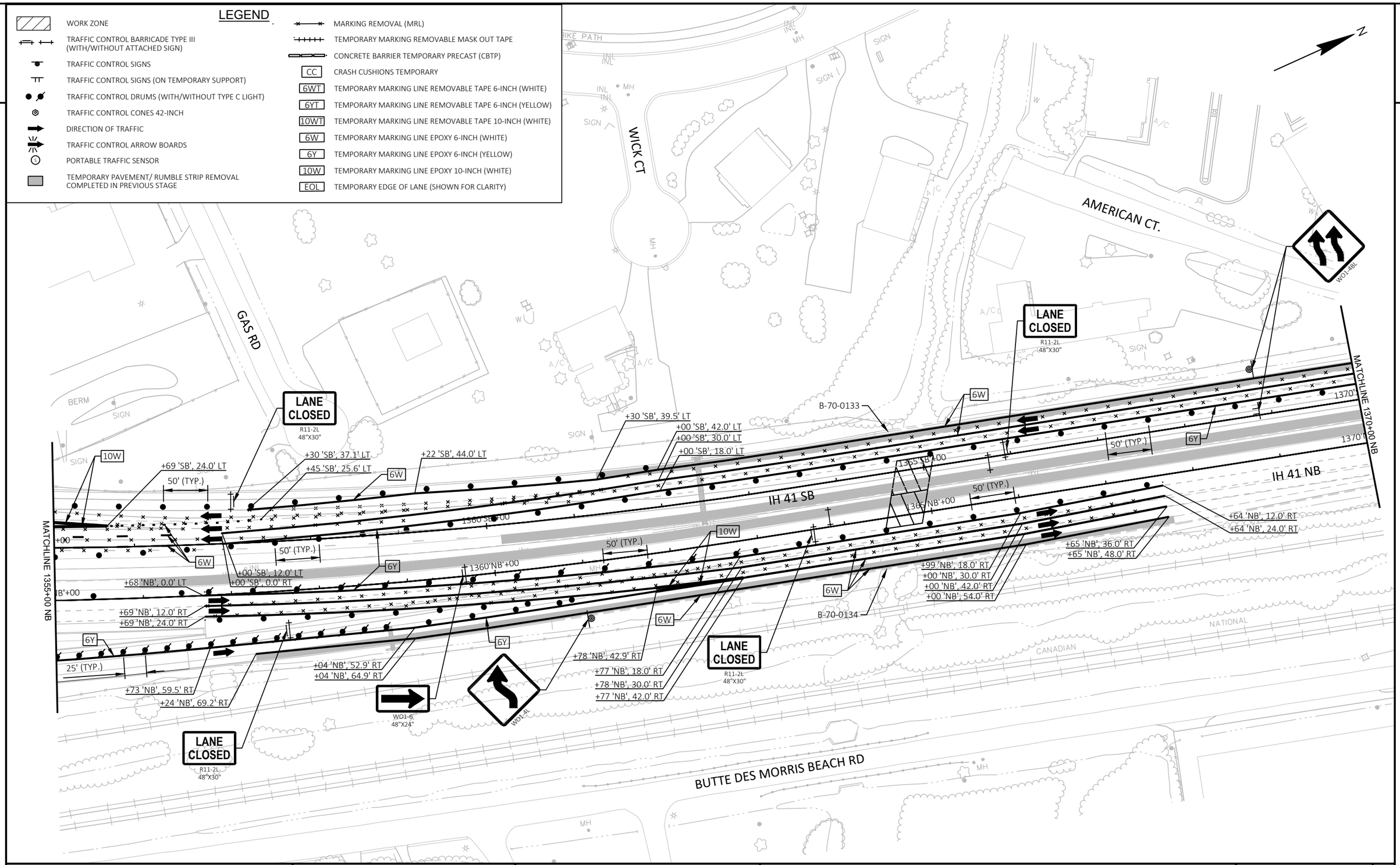
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6M.DWG
LAYOUT NAME - 026103-tc-s6M

PLOT DATE : 7/10/2023 6:42 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 333	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6M.DWG
LAYOUT NAME - 026104-tc-s6M

PLOT DATE : 7/10/2023 6:43 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

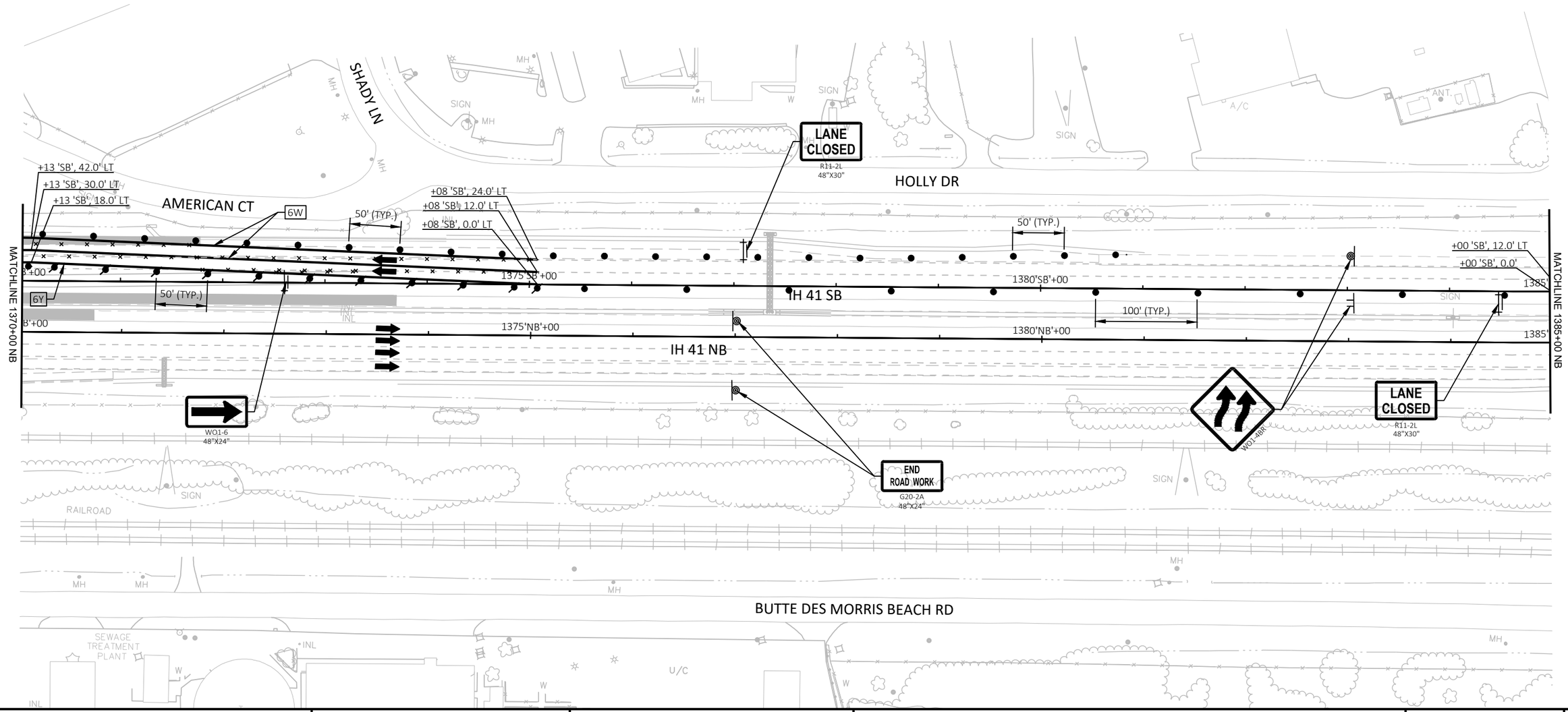
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

N

2



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 334	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\026101-TC_S6M.DWG
LAYOUT NAME - 026105-tc-s6M

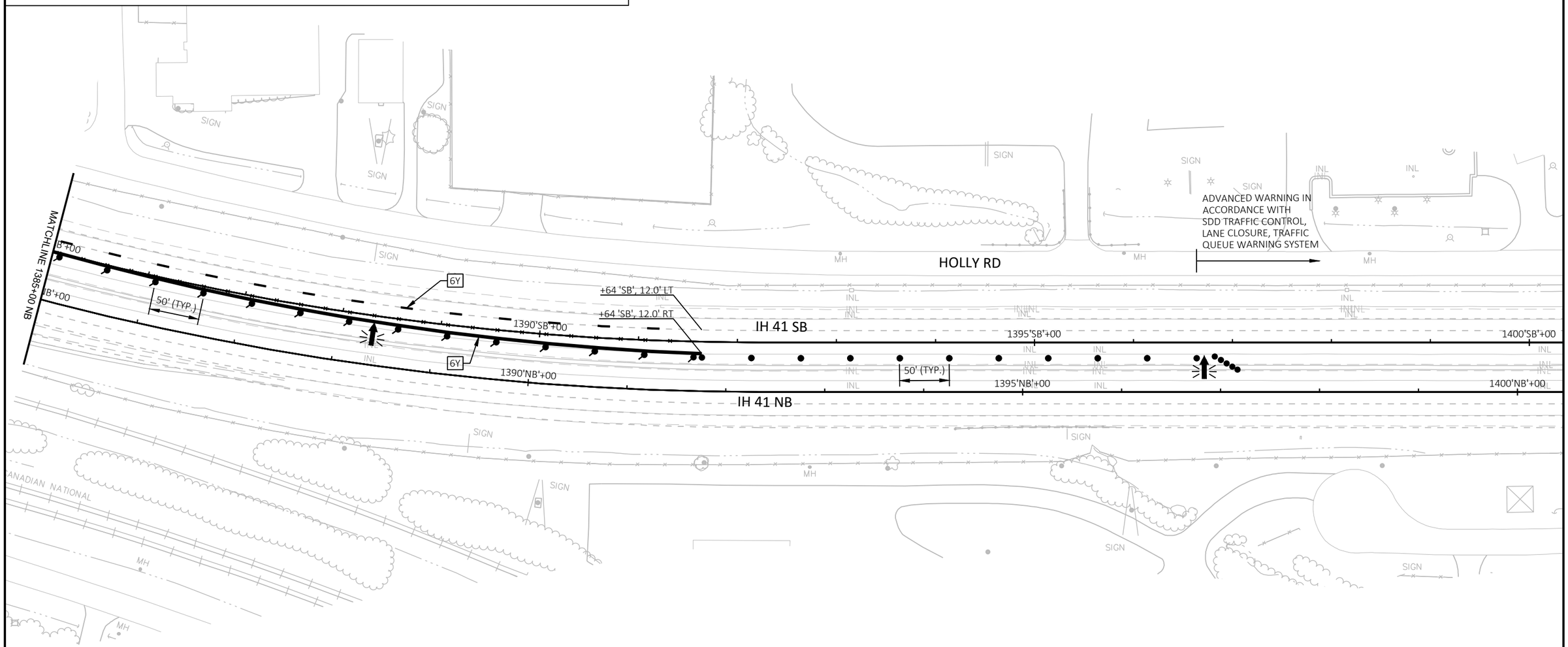
PLOT DATE : 7/10/2023 6:44 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III (WITH/WITHOUT ATTACHED SIGN)
- TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT TYPE C LIGHT)
- TRAFFIC CONTROL CONES 42-INCH
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL ARROW BOARDS
- PORTABLE TRAFFIC SENSOR
- TEMPORARY PAVEMENT/ RUMBLE STRIP REMOVAL COMPLETED IN PREVIOUS STAGE
- MARKING REMOVAL (MRL)
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CC — CRASH CUSHIONS TEMPORARY
- 6WT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)
- 6YT — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (YELLOW)
- 10WT — TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH (WHITE)
- 6W — TEMPORARY MARKING LINE EPOXY 6-INCH (WHITE)
- 6Y — TEMPORARY MARKING LINE EPOXY 6-INCH (YELLOW)
- 10W — TEMPORARY MARKING LINE EPOXY 10-INCH (WHITE)
- EOL — TEMPORARY EDGE OF LANE (SHOWN FOR CLARITY)

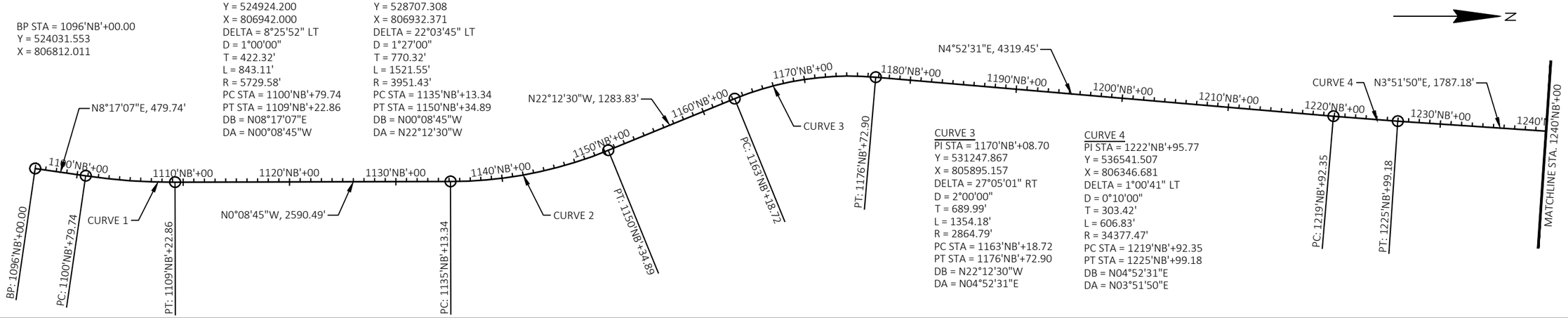


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	TRAFFIC CONTROL - STAGE 6M	SHEET 335	E

BP STA = 1096'NB'+00.00
Y = 524031.553
X = 806812.011

CURVE 1
PI STA = 1105'NB'+02.06
Y = 524924.200
X = 806942.000
DELTA = 8°25'52" LT
D = 1°00'00"
T = 422.32'
L = 843.11'
R = 5729.58'
PC STA = 1100'NB'+79.74
PT STA = 1109'NB'+22.86
DB = N08°17'07"E
DA = N00°08'45"W

CURVE 2
PI STA = 1142'NB'+83.66
Y = 528707.308
X = 806932.371
DELTA = 22°03'45" LT
D = 1°27'00"
T = 770.32'
L = 1521.55'
R = 3951.43'
PC STA = 1135'NB'+13.34
PT STA = 1150'NB'+34.89
DB = N00°08'45"W
DA = N22°12'30"W



CURVE 3
PI STA = 1170'NB'+08.70
Y = 531247.867
X = 805895.157
DELTA = 27°05'01" RT
D = 2°00'00"
T = 689.99'
L = 1354.18'
R = 2864.79'
PC STA = 1163'NB'+18.72
PT STA = 1176'NB'+72.90
DB = N22°12'30"W
DA = N04°52'31"E

CURVE 4
PI STA = 1222'NB'+95.77
Y = 536541.507
X = 806346.681
DELTA = 1°00'41" LT
D = 0°10'00"
T = 303.42'
L = 606.83'
R = 34377.47'
PC STA = 1219'NB'+92.35
PT STA = 1225'NB'+99.18
DB = N04°52'31"E
DA = N03°51'50"E

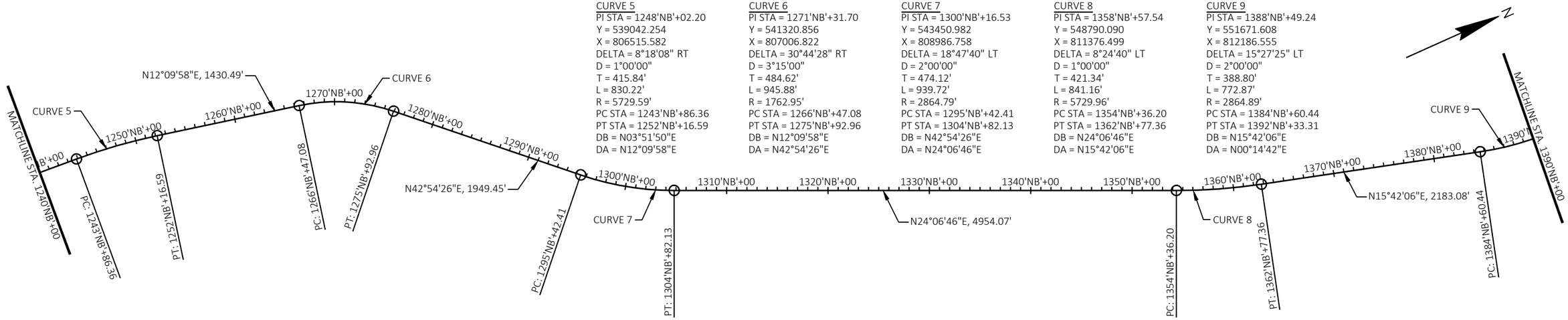
CURVE 5
PI STA = 1248'NB'+02.20
Y = 539042.254
X = 806515.582
DELTA = 8°18'08" RT
D = 1°00'00"
T = 415.84'
L = 830.22'
R = 5729.59'
PC STA = 1243'NB'+86.36
PT STA = 1252'NB'+16.59
DB = N03°51'50"E
DA = N12°09'58"E

CURVE 6
PI STA = 1271'NB'+31.70
Y = 541320.856
X = 807006.822
DELTA = 30°44'28" RT
D = 3°15'00"
T = 484.62'
L = 945.88'
R = 1762.95'
PC STA = 1266'NB'+47.08
PT STA = 1275'NB'+92.96
DB = N12°09'58"E
DA = N42°54'26"E

CURVE 7
PI STA = 1300'NB'+16.53
Y = 543450.982
X = 808986.758
DELTA = 18°47'40" LT
D = 2°00'00"
T = 474.12'
L = 939.72'
R = 2864.79'
PC STA = 1295'NB'+42.41
PT STA = 1304'NB'+82.13
DB = N42°54'26"E
DA = N24°06'46"E

CURVE 8
PI STA = 1358'NB'+57.54
Y = 548790.090
X = 811376.499
DELTA = 8°24'40" LT
D = 1°00'00"
T = 421.34'
L = 841.16'
R = 5729.96'
PC STA = 1354'NB'+36.20
PT STA = 1362'NB'+77.36
DB = N24°06'46"E
DA = N15°42'06"E

CURVE 9
PI STA = 1388'NB'+49.24
Y = 551671.608
X = 812186.555
DELTA = 15°27'25" LT
D = 2°00'00"
T = 388.80'
L = 772.87'
R = 2864.89'
PC STA = 1384'NB'+60.44
PT STA = 1392'NB'+33.31
DB = N15°42'06"E
DA = N00°14'42"E

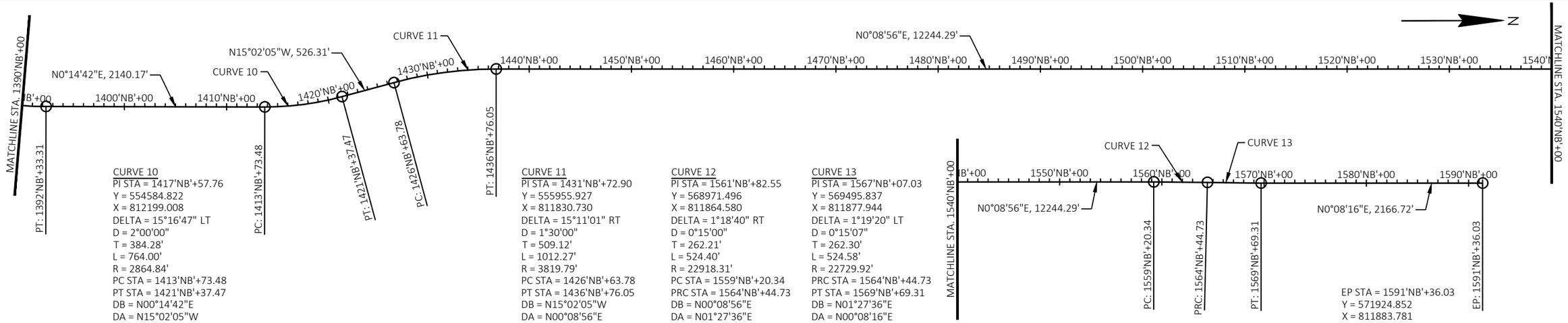


CURVE 10
PI STA = 1417'NB'+57.76
Y = 554584.822
X = 812199.008
DELTA = 15°16'47" LT
D = 2°00'00"
T = 384.28'
L = 764.00'
R = 2864.84'
PC STA = 1413'NB'+73.48
PT STA = 1421'NB'+37.47
DB = N00°14'42"E
DA = N15°02'05"W

CURVE 11
PI STA = 1431'NB'+72.90
Y = 555955.927
X = 811830.730
DELTA = 15°11'01" RT
D = 1°30'00"
T = 509.12'
L = 1012.27'
R = 3819.79'
PC STA = 1426'NB'+63.78
PT STA = 1436'NB'+76.05
DB = N15°02'05"W
DA = N00°08'56"E

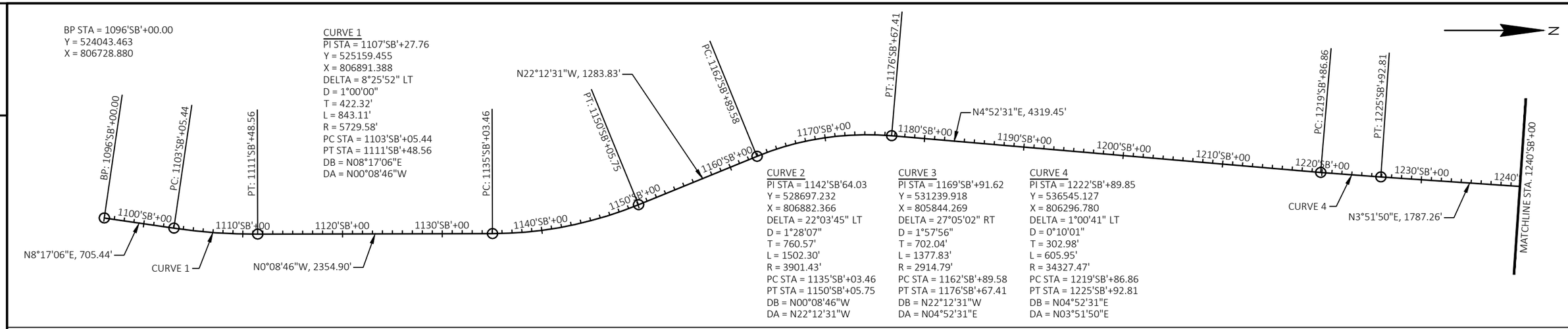
CURVE 12
PI STA = 1561'NB'+82.55
Y = 568971.496
X = 811864.580
DELTA = 1°18'40" RT
D = 0°15'00"
T = 262.21'
L = 524.40'
R = 22918.31'
PC STA = 1559'NB'+20.34
PRC STA = 1564'NB'+44.73
DB = N00°08'56"E
DA = N01°27'36"E

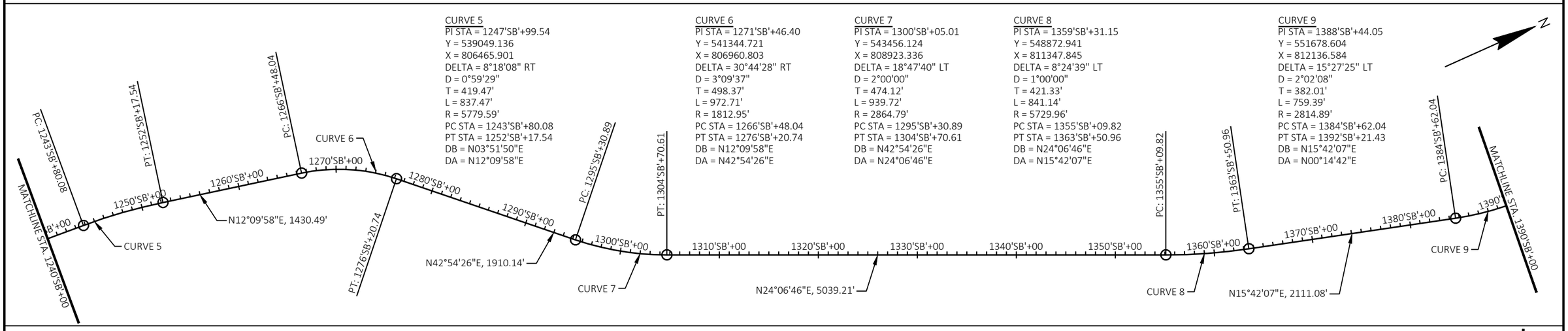
CURVE 13
PI STA = 1567'NB'+07.03
Y = 569495.837
X = 811877.944
DELTA = 1°19'20" LT
D = 0°15'07"
T = 262.30'
L = 524.58'
R = 22729.92'
PRC STA = 1564'NB'+44.73
PT STA = 1569'NB'+69.31
DB = N01°27'36"E
DA = N00°08'16"E

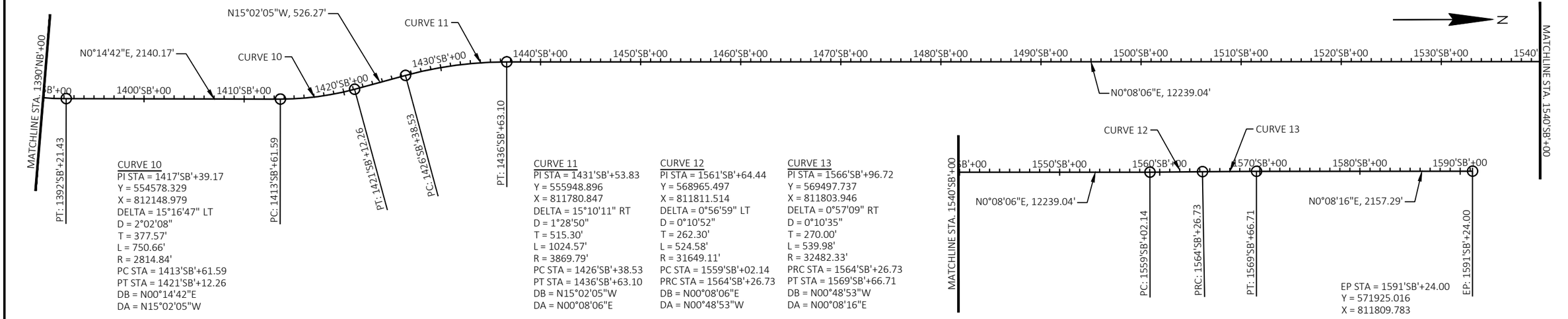


EP STA = 1591'NB'+36.03
Y = 571924.852
X = 811883.781

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	ALIGNMENT DETAILS - IH 41 NB	SHEET 336	E

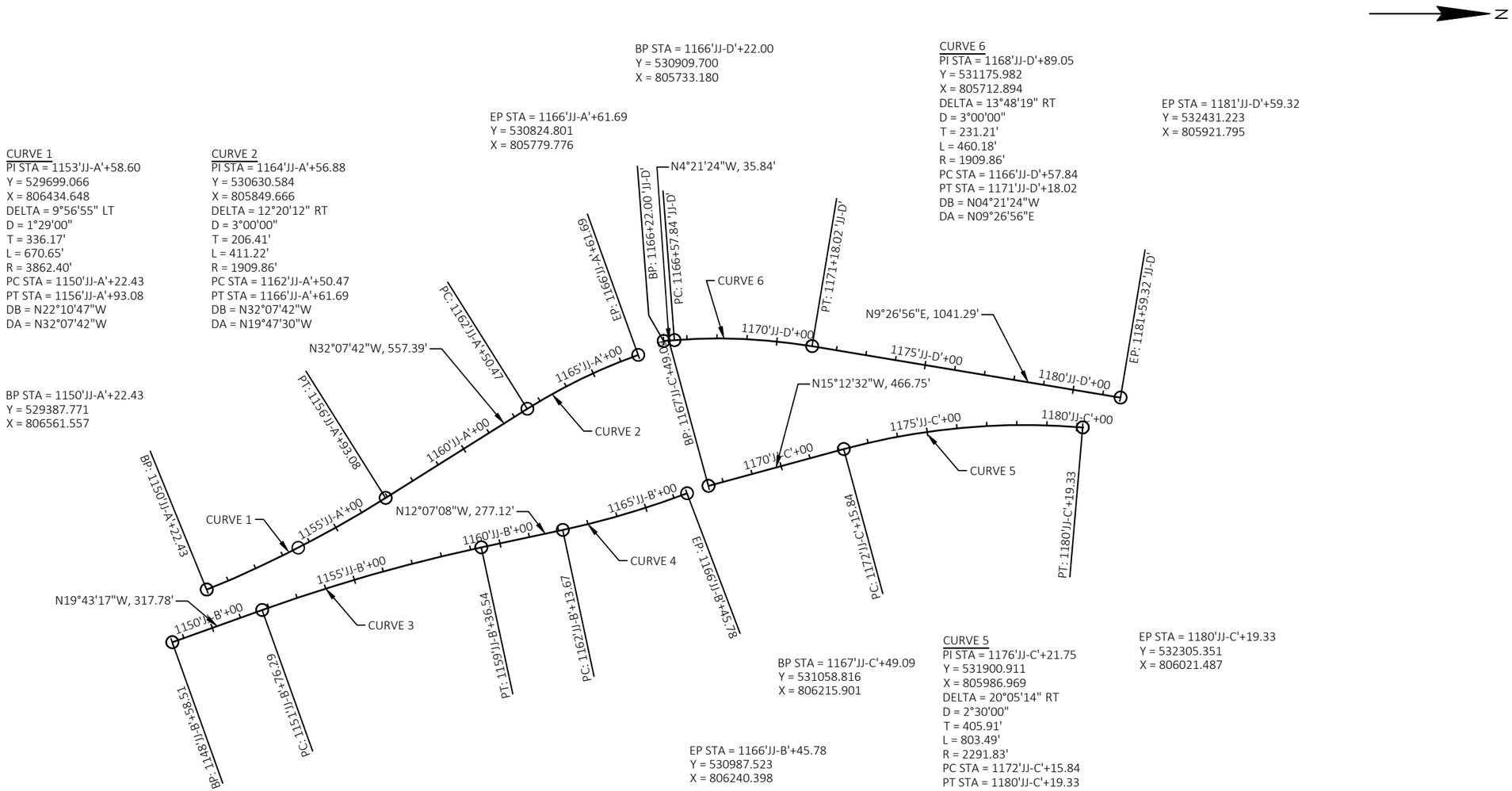






PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	ALIGNMENT DETAILS - IH 41 SB	SHEET 337	E

2



BP STA = 1167'JJ-C'+49.09
Y = 531058.816
X = 806215.901

EP STA = 1166'JJ-B'+45.78
Y = 530987.523
X = 806240.398

CURVE 5
PI STA = 1176'JJ-C'+21.75
Y = 531900.911
X = 805986.969
DELTA = 20°05'14" RT
D = 2°30'00"
T = 405.91'
L = 803.49'
R = 2291.83'
PC STA = 1172'JJ-C'+15.84
PT STA = 1180'JJ-C'+19.33
DB = N15°12'32"W
DA = N04°52'42"E

EP STA = 1180'JJ-C'+19.33
Y = 532305.351
X = 806021.487

BP STA = 1148'JJ-B'+58.51
Y = 529272.827
X = 806736.370

CURVE 3
PI STA = 1155'JJ-B'+56.97
Y = 529930.323
X = 806500.676
DELTA = 7°36'09" RT
D = 1°00'00"
T = 380.68'
L = 760.25'
R = 5729.58'
PC STA = 1151'JJ-B'+76.29
PT STA = 1159'JJ-B'+36.54
DB = N19°43'17"W
DA = N12°07'08"W

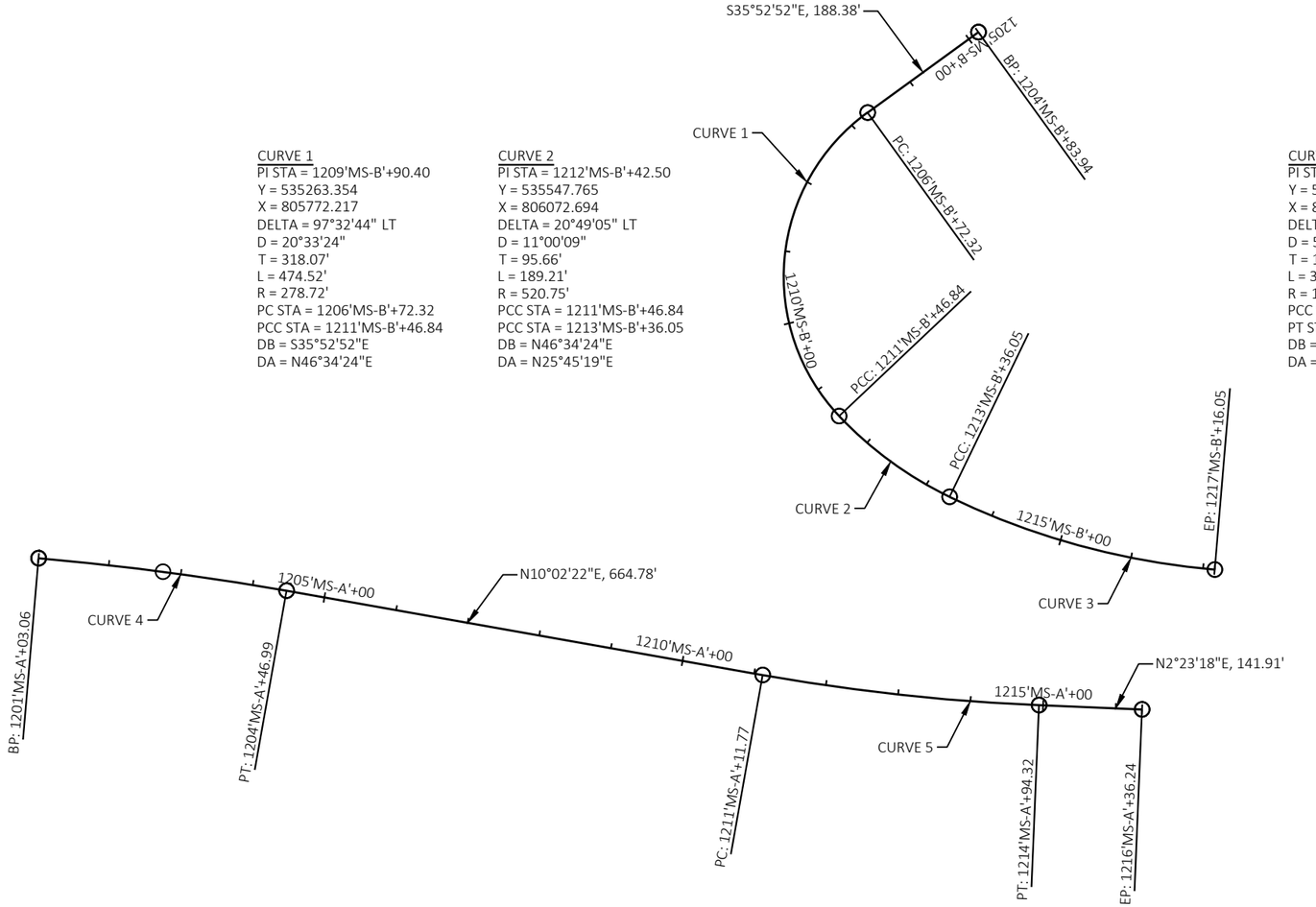
CURVE 4
PI STA = 1164'JJ-B'+30.13
Y = 530785.113
X = 806317.130
DELTA = 8°38'32" LT
D = 2°00'00"
T = 216.47'
L = 432.11'
R = 2864.79'
PC STA = 1162'JJ-B'+13.67
PT STA = 1166'JJ-B'+45.78
DB = N12°07'08"W
DA = N20°45'40"W

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - JJ RAMPS	SHEET 338	E

2

BP STA = 1204'MS-B'+83.94
Y = 535673.702
X = 805475.381

N



CURVE 1
PI STA = 1209'MS-B'+90.40
Y = 535263.354
X = 805772.217
DELTA = 97°32'44" LT
D = 20°33'24"
T = 318.07'
L = 474.52'
R = 278.72'
PC STA = 1206'MS-B'+72.32
PCC STA = 1211'MS-B'+46.84
DB = S35°52'52"E
DA = N46°34'24"E

CURVE 2
PI STA = 1212'MS-B'+42.50
Y = 535547.765
X = 806072.694
DELTA = 20°49'05" LT
D = 11°00'09"
T = 95.66'
L = 189.21'
R = 520.75'
PCC STA = 1211'MS-B'+46.84
PCC STA = 1213'MS-B'+36.05
DB = N46°34'24"E
DA = N25°45'19"E

CURVE 3
PI STA = 1215'MS-B'+28.18
Y = 535806.970
X = 806197.749
DELTA = 20°54'00" LT
D = 5°30'00"
T = 192.14'
L = 380.00'
R = 1041.74'
PCC STA = 1213'MS-B'+36.05
PT STA = 1217'MS-B'+16.05
DB = N25°45'19"E
DA = N04°51'19"E

EP STA = 1217'MS-B'+16.05
Y = 535998.416
X = 806214.012

BP STA = 1201'MS-A'+03.06
Y = 534381.272
X = 806198.553

CURVE 4
PI STA = 1202'MS-A'+75.14
Y = 534552.727
X = 806213.193
DELTA = 5°09'32" RT
D = 1°30'00"
T = 172.08'
L = 343.93'
R = 3819.72'
PC STA = 1201'MS-A'+03.06
PT STA = 1204'MS-A'+46.99
DB = N04°52'50"E
DA = N10°02'22"E

CURVE 5
PI STA = 1213'MS-A'+03.33
Y = 535565.402
X = 806392.474
DELTA = 7°39'04" LT
D = 2°00'00"
T = 191.56'
L = 382.56'
R = 2864.79'
PC STA = 1211'MS-A'+11.77
PT STA = 1214'MS-A'+94.32
DB = N10°02'22"E
DA = N02°23'18"E

EP STA = 1216'MS-A'+36.24
Y = 535898.589
X = 806406.371

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - MS RAMPS	SHEET 339	E

2

N

BP STA = 1241'II-A'+47.31
Y = 538421.903
X = 806387.515

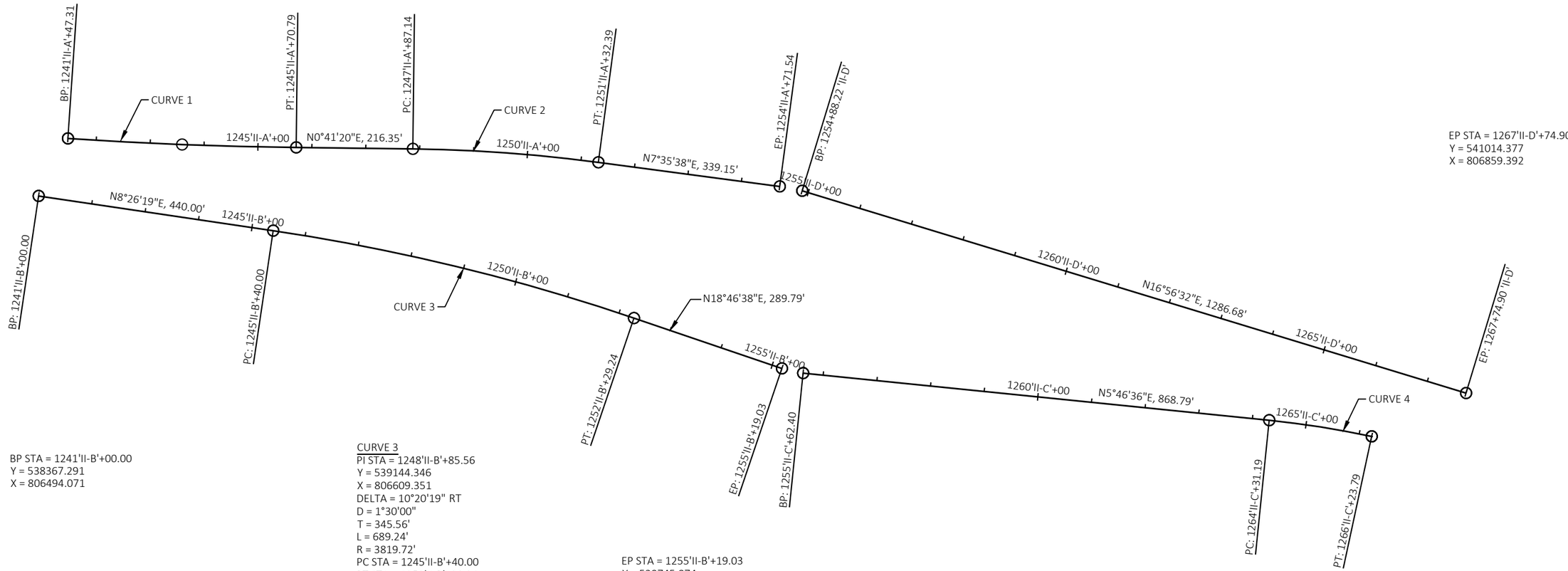
CURVE 1
PI STA = 1243'II-A'+59.11
Y = 538633.216
X = 806401.790
DELTA = 3°10'34" LT
D = 0°45'00"
T = 211.80'
L = 423.48'
R = 7639.64'
PC STA = 1241'II-A'+47.31
PT STA = 1245'II-A'+70.79
DB = N03°51'53"E
DA = N00°41'20"E

CURVE 2
PI STA = 1249'II-A'+59.97
Y = 539234.151
X = 806409.015
DELTA = 6°54'18" RT
D = 2°00'00"
T = 172.83'
L = 345.25'
R = 2864.79'
PC STA = 1247'II-A'+87.14
PT STA = 1251'II-A'+32.39
DB = N00°41'20"E
DA = N07°35'38"E

EP STA = 1254'II-A'+71.54
Y = 539741.647
X = 806476.673

BP STA = 1254'II-D'+88.22
Y = 539783.537
X = 806484.446

EP STA = 1267'II-D'+74.90
Y = 541014.377
X = 806859.392



BP STA = 1241'II-B'+00.00
Y = 538367.291
X = 806494.071

CURVE 3
PI STA = 1248'II-B'+85.56
Y = 539144.346
X = 806609.351
DELTA = 10°20'19" RT
D = 1°30'00"
T = 345.56'
L = 689.24'
R = 3819.72'
PC STA = 1245'II-B'+40.00
PT STA = 1252'II-B'+29.24
DB = N08°26'19"E
DA = N18°46'38"E

EP STA = 1255'II-B'+19.03
Y = 539745.874
X = 806813.859

BP STA = 1255'II-C'+62.40
Y = 539785.024
X = 806822.464

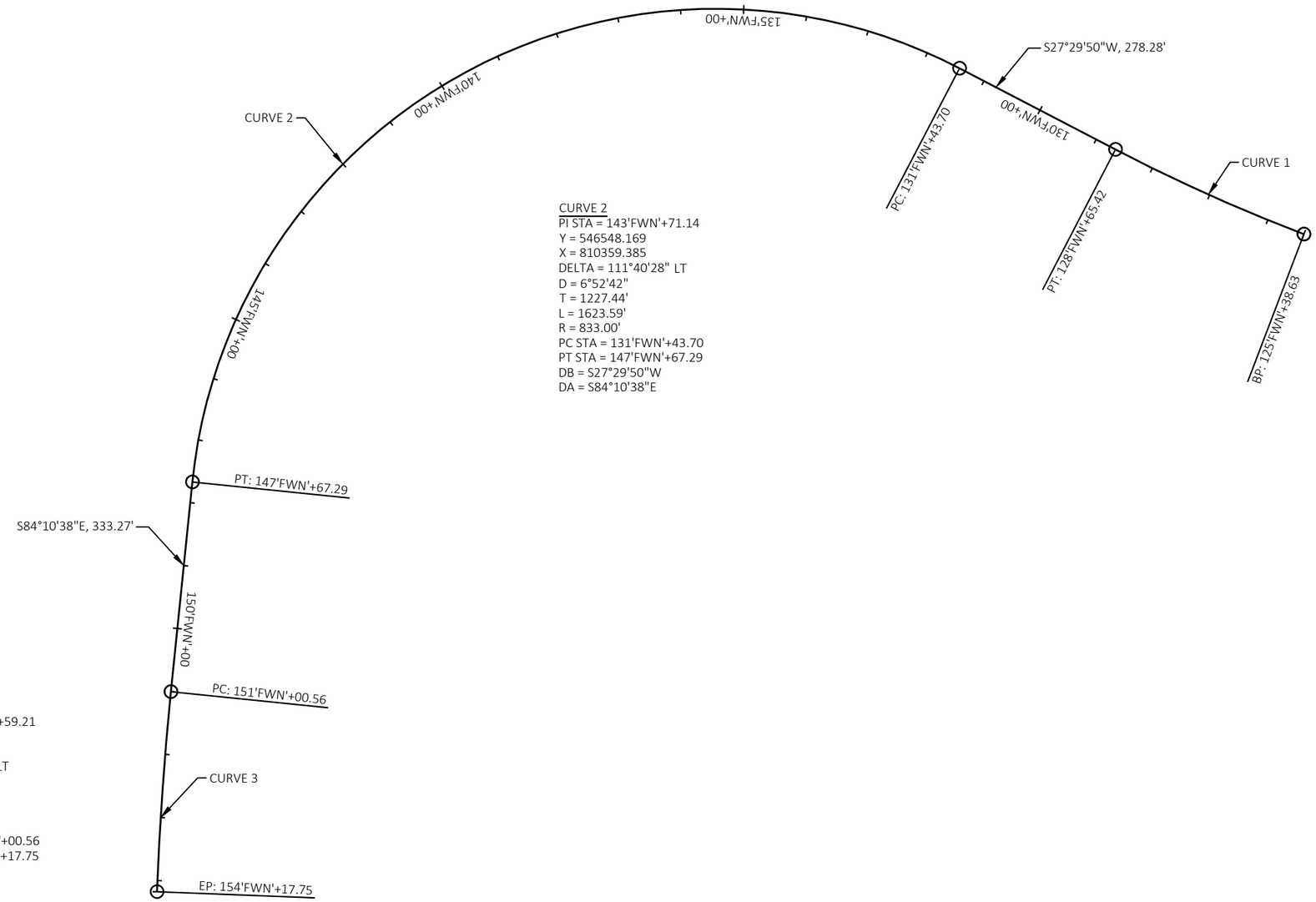
CURVE 4
PI STA = 1265'II-C'+27.59
Y = 540745.313
X = 806919.613
DELTA = 6°23'24" RT
D = 3°19'04"
T = 96.40'
L = 192.60'
R = 1726.99'
PC STA = 1264'II-C'+31.19
PT STA = 1266'II-C'+23.79
DB = N05°46'36"E
DA = N12°10'00"E

EP STA = 1266'II-C'+23.79
Y = 540839.525
X = 806940.038

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - II RAMPS	SHEET 340	E

2

N



CURVE 1
PI STA = 127'FWN'+02.21
Y = 548028.888
X = 811130.105
DELTA = 6°38'23" RT
D = 2°01'54"
T = 163.58'
L = 326.79'
R = 2820.00'
PC STA = 125'FWN'+38.63
PT STA = 128'FWN'+65.42
DB = S20°51'27"W
DA = S27°29'50"W

CURVE 2
PI STA = 143'FWN'+71.14
Y = 546548.169
X = 810359.385
DELTA = 111°40'28" LT
D = 6°52'42"
T = 1227.44'
L = 1623.59'
R = 833.00'
PC STA = 131'FWN'+43.70
PT STA = 147'FWN'+67.29
DB = S27°29'50"W
DA = S84°10'38"E

EP STA = 125'FWN'+38.63
Y = 548181.747
X = 811188.346

CURVE 3
PI STA = 152'FWN'+59.21
Y = 546373.737
X = 812069.867
DELTA = 3°37'26" LT
D = 1°08'33"
T = 158.65'
L = 317.19'
R = 5015.00'
PC STA = 151'FWN'+00.56
PT STA = 154'FWN'+17.75
DB = S84°10'38"E
DA = S87°48'04"E

BP STA = 154'FWN'+17.75
Y = 546367.650
X = 812228.400

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	ALIGNMENT DETAILS - FWN RAMP	SHEET 341	E

2

N

EP STA = 1429'BB-A'+37.91
Y = 555701.457
X = 811655.222

BP STA = 1428'BB-D'+91.73
Y = 555720.830
X = 811656.405

CURVE 1
PI STA = 1419'BB-A'+05.34
Y = 554756.122
X = 812064.879
DELTA = 19°31'30" LT
D = 5°02'15"
T = 195.70'
L = 387.60'
R = 1137.40'
PC STA = 1417'BB-A'+09.64
PT STA = 1420'BB-A'+97.24
DB = N07°12'38"W
DA = N26°44'08"W

CURVE 2
PI STA = 1427'BB-A'+38.22
Y = 555503.350
X = 811688.481
DELTA = 17°12'20" RT
D = 11°00'00"
T = 78.80'
L = 156.41'
R = 520.87'
PC STA = 1426'BB-A'+59.42
PT STA = 1428'BB-A'+15.83
DB = N26°44'08"W
DA = N09°31'48"W

CURVE 3
PI STA = 1440'BB-D'+86.39
Y = 556912.156
X = 811745.604
DELTA = 2°58'31" LT
D = 2°00'00"
T = 74.40'
L = 148.76'
R = 2864.79'
PC STA = 1440'BB-D'+11.99
PT STA = 1441'BB-D'+60.76
DB = N04°16'55"E
DA = N01°18'24"E

EP STA = 1441'BB-D'+60.76
Y = 556986.536
X = 811747.301

BP STA = 1417'BB-A'+09.64
Y = 554561.974
X = 812089.442

PC: 1426'BB-A'+59.42
PT: 1428'BB-A'+15.83
EP: 1429'BB-A'+37.91
BP: 1428'BB-D'+91.73
PT: 1420'BB-A'+97.24
N26°44'08"W, 562.18'
1425'BB-A'+00
1430'BB-D'+00
N4°16'55"E, 1120.26'
1435'BB-D'+00
1440'BB-D'+00
PC: 1440'BB-D'+11.99
EP: 1441'BB-D'+60.76
CURVE 2
N9°31'48"W, 122.08'
CURVE 3
BP: 1417'BB-A'+09.64
CURVE 1
1420'BB-A'+00

CURVE 6
N9°04'45"W, 129.26'
1440'BB-C'+00
CURVE 5
1435'BB-C'+00
N18°14'18"W, 263.67'
1430'BB-C'+00
PT: 1441'BB-C'+17.37
PT: 1435'BB-C'+26.25
PC: 1436'BB-C'+55.51
PC: 1432'BB-C'+20.94
BP: 1429'BB-C'+57.27

EP STA = 1441'BB-C'+17.37
Y = 556817.701
X = 811880.841

N5°31'58"W, 198.29'
1420'BB-B'+00
CURVE 4
1425'BB-B'+00
BP: 1416'BB-B'+34.37
PC: 1418'BB-B'+32.66
PT: 1425'BB-B'+56.22
N48°44'06"E, 292.17'

BP STA = 1429'BB-C'+57.27
Y = 555683.587
X = 812096.301

BP STA = 1416'BB-B'+34.37
Y = 554490.814
X = 812219.992

CURVE 5
PI STA = 1433'BB-C'+73.92
Y = 556079.307
X = 811965.902
DELTA = 9°09'33" RT
D = 3°00'00"
T = 152.98'
L = 305.31'
R = 1909.86'
PC STA = 1432'BB-C'+20.94
PT STA = 1435'BB-C'+26.25
DB = N18°14'18"W
DA = N09°04'45"W

CURVE 6
PI STA = 1438'BB-C'+86.82
Y = 556586.423
X = 811884.864
DELTA = 8°04'57" RT
D = 1°45'00"
T = 231.31'
L = 461.86'
R = 3274.04'
PC STA = 1436'BB-C'+55.51
PT STA = 1441'BB-C'+17.37
DB = N09°04'45"W
DA = N00°59'48"W

CURVE 4
PI STA = 1422'BB-B'+24.15
Y = 555077.851
X = 812163.127
DELTA = 54°16'04" RT
D = 7°30'00"
T = 391.50'
L = 723.57'
R = 763.94'
PC STA = 1418'BB-B'+32.66
PT STA = 1425'BB-B'+56.22
DB = N05°31'58"W
DA = N48°44'06"E

EP STA = 1428'BB-B'+48.40
Y = 555528.762
X = 812677.020

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	ALIGNMENT DETAILS - BB RAMPS	SHEET 342	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027207-ad
PLOT DATE : 4/4/2023 9:12 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

N

BP STA = 1482'CA-A'+30.00
Y = 561047.185
X = 811743.638

CURVE 1
PI STA = 1483'CA-A'+80.50
Y = 561197.660
X = 811741.010
DELTA = 11°59'50" LT
D = 4°00'02"
T = 150.50'
L = 299.90'
R = 1432.22'
PC STA = 1482'CA-A'+30.00
PT STA = 1485'CA-A'+29.90
DB = N01°00'02"W
DA = N12°59'52"W

PI STA = 1490'CA-A'+29.90
Y = 561831.499
X = 811594.703

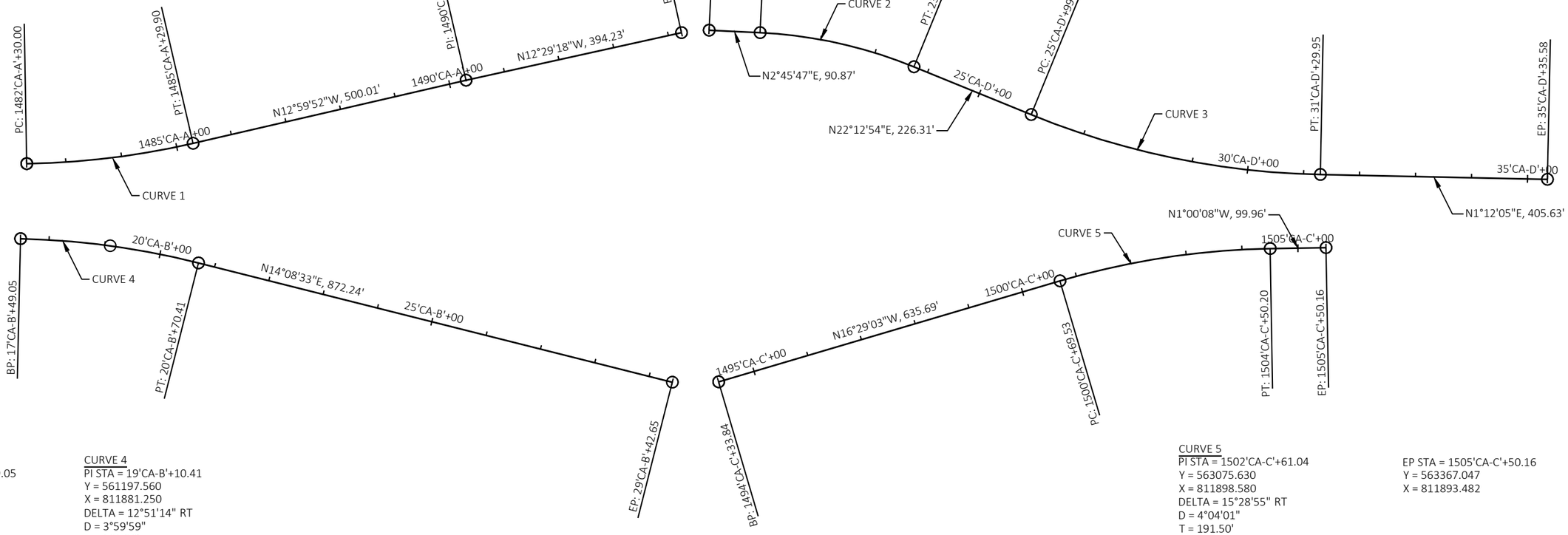
EP STA = 1494'CA-A'+24.13
Y = 562216.400
X = 811509.455

BP STA = 20'CA-D'+00.00
Y = 562265.686
X = 811505.176

CURVE 2
PI STA = 22'CA-D'+33.65
Y = 562499.060
X = 811516.440
DELTA = 19°27'07" RT
D = 6°52'42"
T = 142.78'
L = 282.80'
R = 833.00'
PC STA = 20'CA-D'+90.87
PT STA = 23'CA-D'+73.67
DB = N02°45'47"E
DA = N22°12'54"E

CURVE 3
PI STA = 28'CA-D'+67.98
Y = 563088.850
X = 811757.310
DELTA = 21°00'50" LT
D = 3°57'54"
T = 268.00'
L = 529.97'
R = 1445.00'
PC STA = 25'CA-D'+99.98
PT STA = 31'CA-D'+29.95
DB = N22°12'54"E
DA = N01°12'05"E

EP STA = 35'CA-D'+35.58
Y = 563762.330
X = 811771.432



BP STA = 17'CA-B'+49.05
Y = 561036.244
X = 811877.621

CURVE 4
PI STA = 19'CA-B'+10.41
Y = 561197.560
X = 811881.250
DELTA = 12°51'14" RT
D = 3°59'59"
T = 161.36'
L = 321.36'
R = 1432.46'
PC STA = 17'CA-B'+49.05
PT STA = 20'CA-B'+70.41
DB = N01°17'20"E
DA = N14°08'33"E

EP STA = 29'CA-B'+42.65
Y = 562199.830
X = 812133.795

BP STA = 1494'CA-C'+33.84
Y = 562282.433
X = 812133.298

CURVE 5
PI STA = 1502'CA-C'+61.04
Y = 563075.630
X = 811898.580
DELTA = 15°28'55" RT
D = 4°04'01"
T = 191.50'
L = 380.67'
R = 1408.78'
PC STA = 1500'CA-C'+69.53
PT STA = 1504'CA-C'+50.20
DB = N16°29'03"W
DA = N01°00'08"W

EP STA = 1505'CA-C'+50.16
Y = 563367.047
X = 811893.482

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	ALIGNMENT DETAILS - CA RAMPS	SHEET 343	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027208-ad
PLOT DATE : 4/4/2023 9:13 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

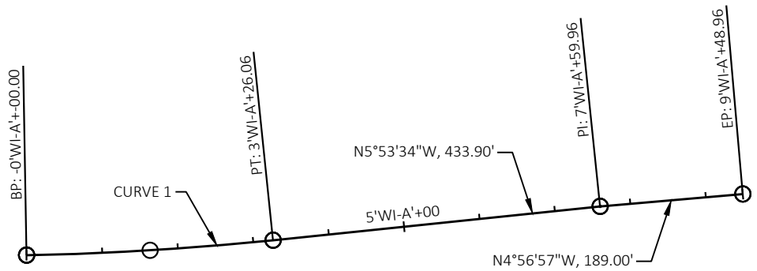
N

BP STA = 0'WI-A'+00.00
Y = 565366.595
X = 811754.518

CURVE 1
PI STA = 1'WI-A'+63.13
Y = 565529.700
X = 811751.670
DELTA = 4°53'33" LT
D = 1°30'02"
T = 163.13'
L = 326.06'
R = 3818.43'
PC STA = -0'WI-A'+-00.00
PT STA = 3'WI-A'+26.06
DB = N01°00'01"W
DA = N05°53'34"W

PI STA = 7'WI-A'+59.96
Y = 566123.572
X = 811690.374

EP STA = 9'WI-A'+48.96
Y = 566311.868
X = 811674.069

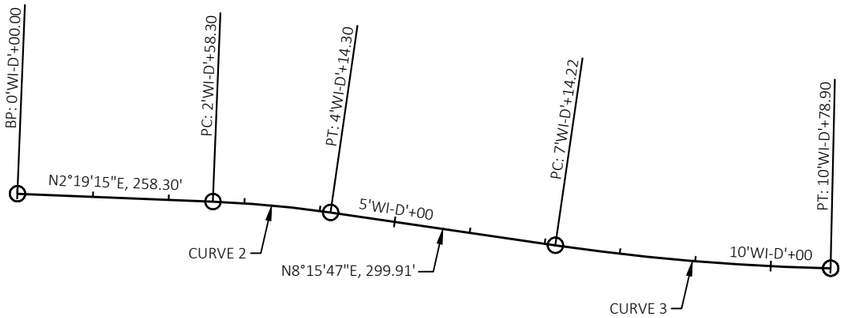


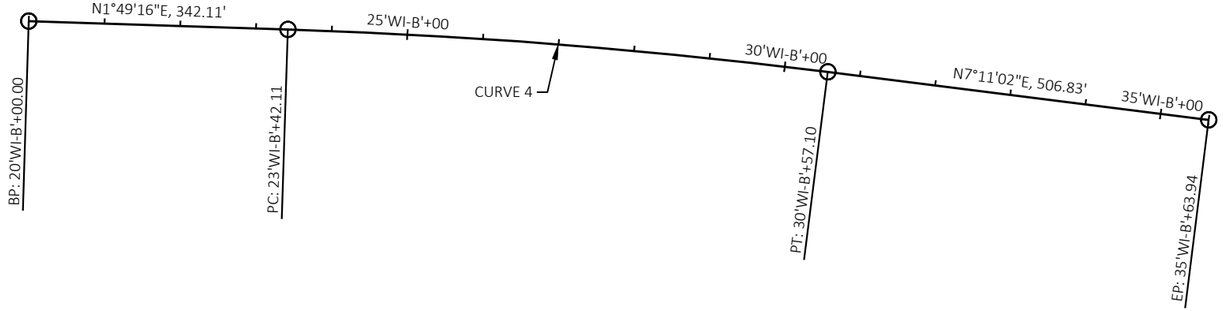
BP STA = 0'WI-D'+00.00
Y = 566395.762
X = 811673.519

CURVE 2
PI STA = 3'WI-D'+36.37
Y = 566731.860
X = 811687.140
DELTA = 5°56'32" RT
D = 3°48'33"
T = 78.07'
L = 156.00'
R = 1504.19'
PC STA = 2'WI-D'+58.30
PT STA = 4'WI-D'+14.30
DB = N02°19'15"E
DA = N08°15'47"E

CURVE 3
PI STA = 8'WI-D'+96.78
Y = 567286.590
X = 811767.700
DELTA = 6°58'19" LT
D = 1°54'42"
T = 182.57'
L = 364.68'
R = 2997.00'
PC STA = 7'WI-D'+14.22
PT STA = 10'WI-D'+78.90
DB = N08°15'47"E
DA = N01°17'28"E

EP STA = 10'WI-D'+78.90
Y = 567469.109
X = 811771.814

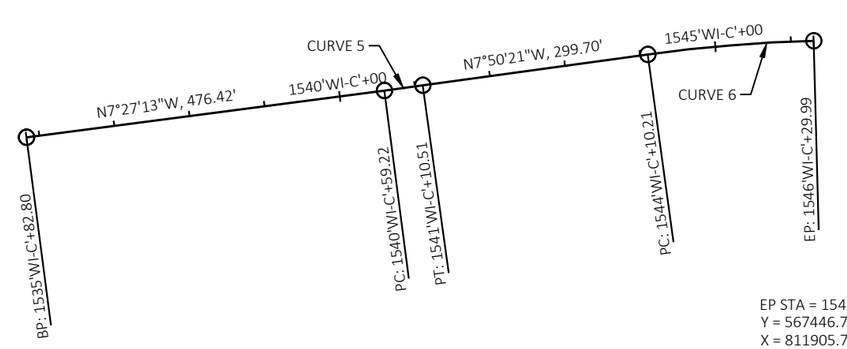




BP STA = 20'WI-B'+00.00
Y = 564577.697
X = 811878.658

CURVE 4
PI STA = 26'WI-B'+99.87
Y = 565277.210
X = 811900.900
DELTA = 5°21'45" RT
D = 0°45'00"
T = 357.76'
L = 715.00'
R = 7639.35'
PC STA = 23'WI-B'+42.11
PT STA = 30'WI-B'+57.10
DB = N01°49'16"E
DA = N07°11'02"E

EP STA = 35'WI-B'+63.94
Y = 566135.017
X = 812009.019



EP STA = 1546'WI-C'+29.99
Y = 567446.799
X = 811905.759

BP STA = 1535'WI-C'+82.80
Y = 566407.737
X = 812033.287

CURVE 5
PI STA = 1540'WI-C'+84.87
Y = 566905.564
X = 811968.158
DELTA = 0°23'08" LT
D = 0°45'07"
T = 25.65'
L = 51.29'
R = 7620.80'
PC STA = 1540'WI-C'+59.22
PT STA = 1541'WI-C'+10.51
DB = N07°27'13"W
DA = N07°50'21"W

CURVE 6
PI STA = 1545'WI-C'+20.21
Y = 567336.840
X = 811908.780
DELTA = 6°15'55" RT
D = 2°51'02"
T = 110.00'
L = 219.78'
R = 2009.93'
PC STA = 1544'WI-C'+10.21
PT STA = 1546'WI-C'+29.99
DB = N07°50'21"W
DA = N01°34'26"W

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	ALIGNMENT DETAILS -WI RAMPS	SHEET 344	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027209-ad
PLOT DATE : 4/4/2023 9:13 AM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

1120-57-60

Line	Item	Item Description	Unit	Total	Qty
0002	108.4300	RBC Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	4.000	4.000
0006	201.0205	Grubbing	STA	4.000	4.000
0008	203.0220	Removing Structure (structure) 01. B-44-0062	EACH	1.000	1.000
0010	203.0220	Removing Structure (structure) 02. B-70-0084	EACH	1.000	1.000
0012	203.0220	Removing Structure (structure) 03. B-70-132	EACH	1.000	1.000
0016	203.0330	Debris Containment (structure) 01. B-70-132	EACH	1.000	1.000
0018	203.0330	Debris Containment (structure) 03. B-70-0406	EACH	1.000	1.000
0020	204.0100	Removing Concrete Pavement	SY	592.000	592.000
0022	204.0110	Removing Asphaltic Surface	SY	3,931.000	3,931.000
0024	204.0120	Removing Asphaltic Surface Milling	SY	27,956.000	27,956.000
0026	204.0150	Removing Curb & Gutter	LF	6.000	6.000
0028	204.0157	Removing Concrete Barrier	LF	416.000	416.000
0030	204.0165	Removing Guardrail	LF	16,256.000	16,256.000
0032	204.0170	Removing Fence	LF	204.000	204.000
0034	204.0180	Removing Delineators and Markers	EACH	26.000	26.000
0036	204.0195	Removing Concrete Bases	EACH	4.000	4.000
0038	204.0220	Removing Inlets	EACH	23.000	23.000
0040	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	1,508.000	1,508.000
0042	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	200.000	200.000
0044	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	591.000	591.000
0046	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	32.000	32.000
0048	204.0260	Abandoning Inlets	EACH	1.000	1.000
0050	204.0270	Abandoning Culvert Pipes	EACH	1.000	1.000
0052	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	1.000	1.000
0054	205.0100	Excavation Common	CY	99.000	99.000
0056	206.2001	Excavation for Structures Culverts (structure) 01. B-44-0062	EACH	1.000	1.000
0058	206.2001	Excavation for Structures Culverts (structure) 02. B-70-0084	EACH	1.000	1.000
0060	206.5001	Cofferdams (structure) 01. B-44-0062	EACH	1.000	1.000
0062	206.5001	Cofferdams (structure) 02. B-70-0084	EACH	1.000	1.000
0064	209.0300.S	Backfill Coarse Aggregate (size) 01. Size No. 1	CY	1,285.000	1,285.000
0066	210.2500	Backfill Structure Type B	TON	491.000	491.000
0068	211.0201	Prepare Foundation for Concrete Pavement (project) 01. 1120-57-60	EACH	1.000	1.000
0070	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	18.000	18.000
0072	213.0100	Finishing Roadway (project) 01. 1120-57-60	EACH	1.000	1.000
0076	305.0110	Base Aggregate Dense 3/4-Inch	TON	982.000	982.000
0078	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	619.000	619.000
0080	305.0500	Shaping Shoulders	STA	105.000	105.000
0082	312.0110	Select Crushed Material	TON	194.000	194.000
0084	415.1090	Concrete Pavement HES 9-Inch	SY	440.000	440.000
0086	415.1110	Concrete Pavement HES 11-Inch	SY	3,920.000	3,920.000
0088	416.0610	Drilled Tie Bars	EACH	4,012.000	4,012.000
0090	416.0620	Drilled Dowel Bars	EACH	7,999.000	7,999.000
0092	416.1715	Concrete Pavement Repair SHES	SY	4,197.000	4,197.000
0094	416.1725	Concrete Pavement Replacement SHES	SY	5,577.000	5,577.000
0096	420.1000	Continuous Diamond Grinding Concrete Pavement	SY	484,190.000	484,190.000
0098	450.4000	HMA Cold Weather Paving	TON	1,204.000	1,204.000
0100	455.0605	Tack Coat	GAL	2,146.000	2,146.000
0102	460.2000	Incentive Density HMA Pavement	DOL	2,230.000	2,230.000

1120-57-60

Line	Item	Item Description	Unit	Total	Qty
0104	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,476.000	3,476.000
0106	465.0105	Asphaltic Surface	TON	182.000	182.000
0108	465.0110	Asphaltic Surface Patching	TON	15.000	15.000
0110	465.0510	Asphaltic Rumble Strips, Shoulder Divided Roadway	LF	38,813.000	38,813.000
0112	502.0100	Concrete Masonry Bridges	CY	786.000	786.000
0114	502.3101	Expansion Device	LF	479.000	479.000
0116	502.3200	Protective Surface Treatment	SY	92.000	92.000
0118	502.3205	Pigmented Surface Sealer Reseal	SY	8,510.000	8,510.000
0120	502.3210	Pigmented Surface Sealer	SY	301.000	301.000
0122	502.4106	Adhesive Anchors 3/4-inch	EACH	11.000	11.000
0124	502.4204	Adhesive Anchors No. 4 Bar	EACH	120.000	120.000
0126	502.4205	Adhesive Anchors No. 5 Bar	EACH	454.000	454.000
0128	504.0100	Concrete Masonry Culverts	CY	98.000	98.000
0132	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	203,830.000	203,830.000
0134	505.0904	Bar Couplers No. 4	EACH	10.000	10.000
0136	505.0905	Bar Couplers No. 5	EACH	1,038.000	1,038.000
0138	505.0906	Bar Couplers No. 6	EACH	15.000	15.000
0142	509.0301	Preparation Decks Type 1	SY	25.000	25.000
0144	509.0302	Preparation Decks Type 2	SY	10.000	10.000
0146	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	250.000	250.000
0148	509.1000	Joint Repair	SY	124.000	124.000
0150	509.1500	Concrete Surface Repair	SF	57.000	57.000
0152	509.2100.S	Concrete Masonry Deck Repair	CY	57.000	57.000
0154	509.5100.S	Polymer Overlay	SY	46.000	46.000
0156	509.9015.S	Removing Polymer Overlay (structure) 01. B-70-0130	SY	28.000	28.000
0158	509.9015.S	Removing Polymer Overlay (structure) 02. B-70-0131	SY	2,500.000	2,500.000
0160	511.1200	Temporary Shoring (structure) 01. B-44-0062	SF	440.000	440.000
0162	511.1200	Temporary Shoring (structure) 02. B-70-0084	SF	775.000	775.000
0164	516.0500	Rubberized Membrane Waterproofing	SY	27.000	27.000
0168	517.1010.S	Concrete Staining (structure) 01. B-70-0406	SF	81.000	81.000
0170	517.1050.S	Architectural Surface Treatment (structure) 01. B-70-0406	SF	36.000	36.000
0178	520.8000	Concrete Collars for Pipe	EACH	26.000	26.000
0180	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	18.000	18.000
0182	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	2.000	2.000
0184	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	5.000	5.000
0186	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	6.000	6.000
0188	601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF	530.000	530.000
0190	602.3210	Concrete Rumble Strips, Shoulder Divided Roadway	LF	17,200.000	17,200.000
0192	603.0105	Concrete Barrier Single-Faced 32-Inch	LF	330.000	330.000
0194	603.1142	Concrete Barrier Type S42	LF	40.000	40.000
0196	603.3113	Concrete Barrier Transition Type NJ32SF to S36	EACH	1.000	1.000
0198	603.3513	Concrete Barrier Transition Type S32 to S36	EACH	1.000	1.000
0200	603.3535	Concrete Barrier Transition Type S36 to S42	EACH	2.000	2.000
0202	603.8000	Concrete Barrier Temporary Precast Delivered	LF	9,737.500	9,737.500
0204	603.8125	Concrete Barrier Temporary Precast Installed	LF	15,462.500	15,462.500
0206	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	4,875.000	4,875.000
0208	603.8505	Anchoring Concrete Barrier Temporary Precast on Bridge Decks	LF	2,787.500	2,787.500
0210	606.0200	Riprap Medium	CY	190.000	190.000
0212	606.0300	Riprap Heavy	CY	101.000	101.000

1120-57-60

Line	Item	Item Description	Unit	Total	Qty
0214	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	280.000	280.000
0216	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	222.000	222.000
0218	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	582.000	582.000
0220	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	151.000	151.000
0222	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	180.000	180.000
0224	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	32.000	32.000
0226	611.0610	Inlet Covers Type BW	EACH	2.000	2.000
0228	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0230	611.0654	Inlet Covers Type V	EACH	9.000	9.000
0232	611.2005	Manholes 5-FT Diameter	EACH	6.000	6.000
0234	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0236	611.3220	Inlets 2x2-FT	EACH	9.000	9.000
0238	611.3225	Inlets 2x2.5-FT	EACH	1.000	1.000
0240	612.0106	Pipe Underdrain 6-Inch	LF	545.000	545.000
0242	612.0108	Pipe Underdrain 8-Inch	LF	61.000	61.000
0244	614.0905	Crash Cushions Temporary	EACH	36.000	36.000
0246	614.2300	MGS Guardrail 3	LF	14,525.000	14,525.000
0248	614.2500	MGS Thrie Beam Transition	LF	788.000	788.000
0250	614.2610	MGS Guardrail Terminal EAT	EACH	33.000	33.000
0252	614.2620	MGS Guardrail Terminal Type 2	EACH	23.000	23.000
0254	616.0206	Fence Chain Link 6-FT	LF	204.000	204.000
0256	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1120-57-60	EACH	1.000	1.000
0260	619.1000	Mobilization	EACH	0.980	0.980
0262	624.0100	Water	MGAL	19.300	19.300
0264	625.0100	Topsoil	SY	760.000	760.000
0266	625.0500	Salvaged Topsoil	SY	5,047.000	5,047.000
0268	628.1504	Silt Fence	LF	24,300.000	24,300.000
0270	628.1520	Silt Fence Maintenance	LF	24,300.000	24,300.000
0272	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0274	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000
0276	628.2004	Erosion Mat Class I Type B	SY	5,047.000	5,047.000
0278	628.7005	Inlet Protection Type A	EACH	2.000	2.000
0280	628.7010	Inlet Protection Type B	EACH	222.000	222.000
0282	628.7015	Inlet Protection Type C	EACH	12.000	12.000
0284	628.7555	Culvert Pipe Checks	EACH	26.000	26.000
0286	629.0210	Fertilizer Type B	CWT	5.400	5.400
0288	630.0130	Seeding Mixture No. 30	LB	90.300	90.300
0290	630.0200	Seeding Temporary	LB	10.000	10.000
0292	630.0500	Seed Water	MGAL	17.000	17.000
0294	633.5200	Markers Culvert End	EACH	25.000	25.000
0296	642.5401	Field Office Type D	EACH	0.980	0.980
0298	643.0300	Traffic Control Drums	DAY	230,116.000	230,116.000
0300	643.0420	Traffic Control Barricades Type III	DAY	16,173.000	16,173.000
0302	643.0705	Traffic Control Warning Lights Type A	DAY	32,346.000	32,346.000
0304	643.0715	Traffic Control Warning Lights Type C	DAY	55,888.000	55,888.000
0306	643.0800	Traffic Control Arrow Boards	DAY	1,950.000	1,950.000
0308	643.0900	Traffic Control Signs	DAY	63,002.000	63,002.000
0310	643.0910	Traffic Control Covering Signs Type I	EACH	49.000	49.000
0312	643.0920	Traffic Control Covering Signs Type II	EACH	998.000	998.000

1120-57-60

Line	Item	Item Description	Unit	Total	Qty
0314	643.1000	Traffic Control Signs Fixed Message	SF	451.000	451.000
0316	643.1050	Traffic Control Signs PCMS	DAY	357.000	357.000
0318	643.1070	Traffic Control Cones 42-Inch	DAY	2,816.000	2,816.000
0320	643.1200.S	Portable Automated Real-Time Traffic Queue Warning System	DAY	856.000	856.000
0322	643.3105	Temporary Marking Line Paint 4-Inch	LF	2,700.000	2,700.000
0326	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	627,029.000	627,029.000
0328	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	42,945.000	42,945.000
0330	643.3270	Temporary Marking Line Epoxy 10-Inch	LF	60,415.000	60,415.000
0332	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	1,130.000	1,130.000
0334	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	1,350.000	1,350.000
0336	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	530.000	530.000
0338	643.5000	Traffic Control	EACH	0.980	0.980
0340	645.0105	Geotextile Type C	SY	162.000	162.000
0342	645.0112	Geotextile Type DF Schedule B	SY	337.000	337.000
0344	645.0120	Geotextile Type HR	SY	1,281.000	1,281.000
0346	646.1020	Marking Line Epoxy 4-Inch	LF	2,540.000	2,540.000
0348	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	810.000	810.000
0350	646.2020	Marking Line Epoxy 6-Inch	LF	2,635.000	2,635.000
0352	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	46,566.000	46,566.000
0354	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	212,115.000	212,115.000
0356	646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	47,150.000	47,150.000
0358	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	547.000	547.000
0360	646.4020	Marking Line Epoxy 10-Inch	LF	570.000	570.000
0362	646.4025	Marking Line Grooved Black Epoxy 10-Inch	LF	4,910.000	4,910.000
0364	646.4050	Marking Line Grooved Permanent Tape 10-Inch	LF	40,524.000	40,524.000
0366	646.5020	Marking Arrow Epoxy	EACH	56.000	56.000
0368	646.5120	Marking Word Epoxy	EACH	17.000	17.000
0370	646.6120	Marking Stop Line Epoxy 18-Inch	LF	353.000	353.000
0372	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	20.000	20.000
0374	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	4,500.000	4,500.000
0376	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	4,000.000	4,000.000
0378	646.7220	Marking Chevron Epoxy 24-Inch	LF	315.000	315.000
0380	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	376.000	376.000
0382	646.9000	Marking Removal Line 4-Inch	LF	61,565.000	61,565.000
0384	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	6,740.000	6,740.000
0386	646.9055	Marking Removal Line Grooved Contrast Permanent Tape 4-Inch	LF	50,166.000	50,166.000
0388	646.9155	Marking Removal Line Grooved Contrast Permanent Tape 8-Inch	LF	42,139.000	42,139.000
0390	646.9310	Marking Removal Special Marking Water Blasting	EACH	3.000	3.000
0392	646.9400	Marking Removal Plowable Raised Pavement Markers	EACH	61.000	61.000
0394	650.4000	Construction Staking Storm Sewer	EACH	49.000	49.000
0396	650.6501	Construction Staking Structure Layout (structure) 01. B-44-0062	EACH	1.000	1.000
0398	650.6501	Construction Staking Structure Layout (structure) 02. B-70-0084	EACH	1.000	1.000
0400	650.6501	Construction Staking Structure Layout (structure) 03. B-70-0132	EACH	1.000	1.000
0404	650.7000	Construction Staking Concrete Pavement	LF	530.000	530.000
0406	650.8000	Construction Staking Resurfacing Reference	LF	115,480.000	115,480.000
0408	650.9911	Construction Staking Supplemental Control (project) 01. 1120-57-60	EACH	1.000	1.000
0410	652.0125	Conduit Rigid Metallic 2-Inch	LF	16.000	16.000
0412	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	362.000	362.000
0414	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	90.000	90.000

1120-57-60

Line	Item	Item Description	Unit	Total	Qty
0416	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	8.000	8.000
0418	653.0208	Junction Boxes 8x8x8-Inch	EACH	6.000	6.000
0420	653.0220	Junction Boxes 18x6x6-Inch	EACH	1.000	1.000
0422	653.0905	Removing Pull Boxes	EACH	6.000	6.000
0424	654.0220	Concrete Control Cabinet Bases Type 10	EACH	4.000	4.000
0426	655.0615	Electrical Wire Lighting 10 AWG	LF	8,620.000	8,620.000
0428	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. IH 41 & Cecil Street	EACH	1.000	1.000
0430	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. IH 41 & Main Street	EACH	1.000	1.000
0432	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. IH 41 & CTH O	EACH	1.000	1.000
0434	656.0201	Electrical Service Meter Breaker Pedestal (location) 04. IH 41 & Spencer Street	EACH	1.000	1.000
0436	690.0150	Sawing Asphalt	LF	9,556.000	9,556.000
0438	690.0250	Sawing Concrete	LF	25,528.000	25,528.000
0440	715.0502	Incentive Strength Concrete Structures	DOL	4,815.000	4,815.000
0442	740.0440	Incentive IRI Ride	DOL	239,130.000	239,130.000
0444	801.0117	Railroad Flagging Reimbursement	DOL	112,450.000	112,450.000
0446	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. Station 1269'SB'+00	EACH	1.000	1.000
0448	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 02. Station 1269'NB'+00	EACH	1.000	1.000
0450	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 03. Station 137'FWN'+00	EACH	1.000	1.000
0452	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000
0454	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	5,760.000	5,760.000
0456	SPV.0035	Special 01. Rapid Set Deck Repair	CY	1.000	1.000
0458	SPV.0060	Special 01. Inlets 2X3-FT Modified	EACH	7.000	7.000
0460	SPV.0060	Special 02. Inlet Covers Type 27-M Bolted	EACH	13.000	13.000
0462	SPV.0060	Special 03. Temporary Support B-70-132	EACH	1.000	1.000
0464	SPV.0060	Special 04. Reset Existing Bearings	EACH	10.000	10.000
0466	SPV.0090	Special 01. Cured in Place Pipe Liner, 12-Inch	LF	360.000	360.000
0468	SPV.0090	Special 02. Glare Screens Temporary	LF	2,687.500	2,687.500
0470	SPV.0090	Special 03. Bridge Deck Crack Sealing	LF	2,150.000	2,150.000
0472	SPV.0090	Special 04. Joint Sealing	LF	2,439.000	2,439.000
0476	SPV.0090	Special 06. Salvage and Reinstall Steel Plate Beam Guard	LF	75.000	75.000
0480	SPV.0180	Special 01. Removing Rumble Strips	SY	3,335.000	3,335.000
0482	SPV.0180	Special 02. Resin Binder High Friction Surface Treatment	SY	19,950.000	19,950.000
0484	SPV.0180	Special 03. Methacrylate Flood Seal	SY	17,469.000	17,469.000
0486	SPV.0180	Special 04. High Friction Surface Treatment Polymer Overlay	SY	5,070.000	5,070.000

3

RBC PROGRESS SCHEDULE

CATEGORY	PROJECT ID	108.4300 EACH
0010	1120-57-60	1

CLEARING AND GRUBBING

CATEGORY	STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	1423'BB-B'+25 - 1424'BB-B'+25	LT	1	1
	105'NR'+00 - 106'NR'+00	RT	1	1
	1496'CA-C'+00 - 1497'CA-C'+25	RT	2	2
		TOTALS	4	4

REMOVING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY*	204.0110 REMOVING ASPHALTIC SURFACE SY	205.0100 EXCAVATION COMMON CY	690.0150 SAWING ASPHALT LF*	690.0250 SAWING CONCRETE LF*	REMARKS
0010	1146'NB'+00 - 1146'NB'+35	LT/RT	---	160	---	210	---	
	1145'SB'+94 - 1146'SB'+33	LT/RT	---	180	---	240	---	
	1147'NB'+47 - 1147'NB'+84	LT/RT	---	160	---	230	---	
	1147'SB'+48 - 1147'SB'+86	LT/RT	---	170	---	220	---	
	1165'SB'+54 - 1165'SB'+79	LT/RT	---	97	---	170	---	
	1165'NB'+81 - 1166'NB'+06	LT/RT	---	97	---	170	---	
	1167'SB'+67 - 1167'SB'+94	LT/RT	---	100	---	180	---	
	1167'NB'+96 - 1168'NB'+23	LT/RT	---	100	---	170	---	
	1215'NB'+13 - 1215'NB'+88	LT/RT	30	110	14	240	26	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1215'SB'+51 - 1215'SB'+79	LT/RT	---	110	---	180	---	
	1217'SB'+20 - 1217'SB'+44	LT/RT	---	130	---	190	---	
	1217'NB'+28 - 1217'NB'+53	LT/RT	---	100	---	170	---	
	1226'SB'+46 - 1226'SB'+71	LT/RT	---	130	---	190	---	
	1226'NB'+57 - 1226'NB'+83	LT/RT	---	100	---	170	---	
	1228'SB'+04 - 1228'SB'+73	LT/RT	21	130	9	250	18	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1228'NB'+16 - 1228'NB'+41	LT/RT	---	99	---	170	---	
	1253'NB'+80 - 1254'NB'+52	LT/RT	31	150	11	260	24	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1254'SB'+00 - 1254'SB'+38	LT/RT	---	140	---	210	---	
	1256'SB'+37 - 1256'SB'+70	LT/RT	---	120	---	190	---	
	1256'NB'+52 - 1256'NB'+97	LT/RT	---	170	---	240	---	
	1427'NB'+06 - 1427'NB'+95	LT/RT	25	220	12	320	23	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1427'SB'+61 - 1427'SB'+93	LT/RT	---	110	---	180	---	
	1429'NB'+65 - 1430'NB'+02	LT/RT	---	130	---	200	---	
	1481'NB'+51 - 1482'NB'+21	LT/RT	23	---	11	78	20	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1493'NB'+19 - 1493'NB'+61	LT/RT	---	180	---	240	---	
	1493'SB'+26 - 1493'SB'+51	LT/RT	---	100	---	170	---	
	1495'NB'+55 - 1496'NB'+28	LT/RT	26	170	10	280	23	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1495'SB'+45 - 1496'SB'+20	LT/RT	27	95	11	220	23	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1534'NB'+00 - 1534'NB'+72	LT/RT	19	94	11	220	22	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1533'SB'+88 - 1534'SB'+60	LT/RT	17	92	10	220	20	EXCAVATION OF EXISTING ASPHALT SHOULDER REQ'D FOR CONCRETE PAVEMENT HES 9-INCH
	1536'NB'+67 - 1536'NB'+89	LT/RT	---	93	---	160	---	
	1536'SB'+54 - 1536'SB'+77	LT/RT	---	94	---	170	---	
		TOTALS	219	3,931	99	6,508	199	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0120 SY
0010	1B	1355'NB'+95 - 1370'NB'+70	LT, RUMBLE STRIP	490
		1360'SB'+25 - 1373'SB'+70	RT, RUMBLE STRIP	445
		SUBTOTAL (STAGE 1B)		935
	3A	1141'NB'+50 - 1146'NB'+00	LT, RUMBLE STRIP	150
		1147'NB'+80 - 1165'NB'+85	LT, RUMBLE STRIP	600
		1168'NB'+20 - 1173'NB'+35	LT, RUMBLE STRIP	170
		1208'NB'+25 - 1215'NB'+60	LT, RUMBLE STRIP	245
		1217'NB'+50 - 1226'NB'+50	LT, RUMBLE STRIP	300
		1228'NB'+40 - 1232'NB'+05	LT, RUMBLE STRIP	120
		1249'NB'+75 - 1254'NB'+15	LT, RUMBLE STRIP	145
		1256'NB'+95 - 1262'NB'+75	LT, RUMBLE STRIP	190
		1270'NB'+25 - 1282'NB'+20	LT, RUMBLE STRIP	395
		1422'NB'+25 - 1427'NB'+85	LT, RUMBLE STRIP	185
		1430'NB'+30 - 1432'NB'+75	LT, RUMBLE STRIP	80
		1477'NB'+80 - 1481'NB'+95	LT, RUMBLE STRIP	135
		1483'NB'+50 - 1493'NB'+20	LT, RUMBLE STRIP	320
		1495'NB'+80 - 1499'NB'+20	LT, RUMBLE STRIP	110
		1530'NB'+00 - 1534'NB'+50	LT, RUMBLE STRIP	150
		1536'NB'+85 - 1542'NB'+00	LT, RUMBLE STRIP	170
		1141'SB'+85 - 1145'SB'+95	RT, RUMBLE STRIP	135
		1147'SB'+55 - 1165'SB'+60	RT, RUMBLE STRIP	600
		1168'SB'+00 - 1173'SB'+25	RT, RUMBLE STRIP	175
		1211'SB'+25 - 1215'SB'+75	RT, RUMBLE STRIP	150
		1217'SB'+45 - 1226'SB'+50	RT, RUMBLE STRIP	300
		1228'SB'+25 - 1231'SB'+85	RT, RUMBLE STRIP	120
		1249'SB'+15 - 1251'SB'+10	RT, RUMBLE STRIP	65
		1251'SB'+50 - 1254'SB'+40	RT, RUMBLE STRIP	95
		1257'SB'+25 - 1260'SB'+00	RT, RUMBLE STRIP	90
		1260'SB'+50 - 1267'SB'+00	RT, RUMBLE STRIP	215
		1271'SB'+00 - 1274'SB'+70	RT, RUMBLE STRIP	120
		1275'SB'+90 - 1280'SB'+00	RT, RUMBLE STRIP	135
		1424'SB'+60 - 1427'SB'+65	RT, RUMBLE STRIP	100
		1430'SB'+10 - 1434'SB'+50	RT, RUMBLE STRIP	145
		1477'SB'+35 - 1481'SB'+95	RT, RUMBLE STRIP	150
		1483'SB'+45 - 1493'SB'+25	RT, RUMBLE STRIP	325
		1495'SB'+80 - 1500'SB'+25	RT, RUMBLE STRIP	145
		1530'SB'+85 - 1534'SB'+40	RT, RUMBLE STRIP	115
		1536'SB'+75 - 1545'SB'+80	RT, RUMBLE STRIP	300
		SUBTOTAL (STAGE 3A)		6,945

CON'T. ABOVE

REMOVING ASPHALTIC SURFACE MILLING (CON'T.)

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0120 SY
0010	4A	1137'NB'+00 - 1142'NB'+66	RT, ASPHALT SHOULDER	500
		1151'NB'+30 - 1154'NB'+60	RT, ASPHALT SHOULDER	565
		1154'NB'+60 - 1165'NB'+85	RT, ASPHALT SHOULDER	1,000
		1168'NB'+21 - 1173'NB'+15	RT, ASPHALT SHOULDER	435
		1206'NB'+70 - 1215'NB'+83	RT, ASPHALT SHOULDER	810
		1217'NB'+54 - 1226'NB'+58	RT, ASPHALT SHOULDER	800
		1228'NB'+47 - 1233'NB'+30	RT, ASPHALT SHOULDER	425
		1243'NB'+56 - 1247'NB'+80	RT, ASPHALT SHOULDER	610
		1247'NB'+80 - 1254'NB'+15	RT, ASPHALT SHOULDER	560
		1257'NB'+00 - 1264'NB'+25	RT, ASPHALT SHOULDER	640
		1417'NB'+90 - 1419'NB'+80	RT, ASPHALT SHOULDER	250
		1419'NB'+80 - 1427'NB'+40	RT, ASPHALT SHOULDER	675
		1430'NB'+00 - 1434'NB'+90	RT, ASPHALT SHOULDER	435
		1474'NB'+95 - 1482'NB'+20	RT, ASPHALT SHOULDER	640
		1483'NB'+30 - 1485'NB'+05	RT, ASPHALT SHOULDER	200
		1485'NB'+05 - 1493'NB'+40	RT, ASPHALT SHOULDER	740
		1495'NB'+80 - 1500'NB'+80	RT, ASPHALT SHOULDER	440
		1525'NB'+80 - 1534'NB'+50	RT, ASPHALT SHOULDER	770
		1536'NB'+88 - 1541'NB'+75	RT, ASPHALT SHOULDER	430
		1141'SB'+70 - 1146'SB'+02	LT, ASPHALT SHOULDER	280
		1147'SB'+80 - 1151'SB'+30	LT, ASPHALT SHOULDER	310
		1152'SB'+55 - 1154'SB'+80	LT, ASPHALT SHOULDER	375
		1154'SB'+80 - 1165'SB'+60	LT, ASPHALT SHOULDER	960
		1167'SB'+90 - 1176'SB'+70	LT, ASPHALT SHOULDER	780
		1210'SB'+60 - 1214'SB'+70	LT, ASPHALT SHOULDER	360
		1217'SB'+40 - 1226'SB'+47	LT, ASPHALT SHOULDER	805
		1228'SB'+29 - 1235'SB'+20	LT, ASPHALT SHOULDER	610
		1422'SB'+75 - 1427'SB'+65	LT, ASPHALT SHOULDER	435
		1429'SB'+94 - 1437'SB'+66	LT, ASPHALT SHOULDER	685
		1437'SB'+66 - 1440'SB'+90	LT, ASPHALT SHOULDER	395
		1481'SB'+20 - 1482'SB'+05	LT, ASPHALT SHOULDER	35
		1483'SB'+17 - 1484'SB'+29	LT, ASPHALT SHOULDER	190
		1484'SB'+29 - 1493'SB'+27	LT, ASPHALT SHOULDER	798
		1495'SB'+65 - 1503'SB'+00	LT, ASPHALT SHOULDER	653
		1503'SB'+00 - 1504'SB'+90	LT, ASPHALT SHOULDER	210
		1529'SB'+50 - 1534'SB'+34	LT, ASPHALT SHOULDER	430
		1536'SB'+76 - 1543'SB'+40	LT, ASPHALT SHOULDER	590
		1543'SB'+40 - 1545'SB'+70	LT, ASPHALT SHOULDER	250
		SUBTOTAL (STAGE 4A)		20,076
			TOTAL	27,956

REMOVING FENCE

CATEGORY	STATION - STATION	LOCATION	204.0170 LF
0010	1423'BB-B'+22 - 1423'BB-B'+99	LT	90
	1496'CA-C'+07 - 1497'CA-C'+06	RT	114
		TOTALS	204

ABANDONING SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	204.0260 ABANDONING INLETS EACH	204.0270 ABANDONING CULVERT PIPES EACH	REMARKS
0010	230	1270'SB'+48	23' RT	1	---	
	231	1270'NB'+30	108' RT	---	1	12" X 135'
			TOTALS	1	1	

REMOVING GUARDRAIL

CATEGORY	STATION - STATION	LOCATION	204.0165 LF*
0010	1156'NB'+50.01 - 1165'NB'+92.53	RT	952.0
	1208'NB'+06.75 - 1215'NB'+74.23	RT	764.5
	1223'NB'+32.57 - 1226'NB'+74.77	RT	327.0
	1248'NB'+10.69 - 1254'NB'+40.71	RT	627.0
	1256'NB'+72.40 - 1257'NB'+11.80	RT	489.5
	1394'NB'+17.87 - 1396'NB'+08.46	RT	177.0
	1404'NB'+13.25 - 1407'NB'+30.73	RT	325.0
	1424'NB'+37.85 - 1427'NB'+67.86	RT	325.0
	1441'NB'+46.64 - 1445'NB'+39.01	RT	400.0
	1478'NB'+94.86 - 1482'NB'+12.32	RT	102.0
	1490'NB'+18.83 - 1493'NB'+48.81	RT	314.5
	1495'NB'+67.09 - 1499'NB'+43.99	RT	377.0
	1509'NB'+86.55 - 1526'NB'+39.68	RT	1,652.0
	1527'NB'+80.63 - 1534'NB'+60.62	RT	677.0
	1167'SB'+83.60 - 1170'SB'+01.12	LT	327.0
	1217'SB'+31.34 - 1221'SB'+86.59	LT	427.0
	1228'SB'+12.24 - 1235'SB'+29.55	LT	339.5
	1394'SB'+32.32 - 1395'SB'+97.94	LT	175.0
	1429'SB'+92.02 - 1433'SB'+09.55	LT	327.0
	1470'SB'+99.34 - 1473'SB'+89.88	LT	287.5
	1495'SB'+58.61 - 1498'SB'+88.59	LT	314.5
	1504'SB'+68.66 - 1519'SB'+59.29	LT	1,475.0
	1521'SB'+82.98 - 8'WI-A'+18.17	LT	1,250.0
	1530'SB'+34.27 - 1534'SB'+48.67	LT	414.5
	1241'II-B'+99.44 - 1246'II-B'+52.54	RT	439.5
	1422'BB-A+65.85 - 1426'BB-A'+43.94	LT	377.0
	1420'BB-B'+20.29 - 1425'BB-B'+10.04	LT	239.5
	1483'CA-A'+06.98 - 1486'CA-A'+62.00	LT	352.0
	18'CA-B'+38.39 - 21'CA-B'+02.79	RT	314.5
	22'CA-B'+90.41 - 24'CA-B'+06.00	RT	125.0
	22'CA-B'+78.66 - 24'CA-B'+06.74	LT	150.0
	1495'CA-C'+23.30 - 1497'CA-C'+01.16	RT	150.0
	1495'CA-C'+73.99 - 1497'CA-C'77.04	LT	175.0
	24'CA-D'+16.47 - 25'CA-D'+32.05	RT	125.0
	24'CA-D'+33.15 - 27'CA-D'+98.78	LT	375.0
	32'WI-B'+12.08 - 33'WI-B'+52.68	LT	150.0
	32'WI-B'+24.56 - 33'WI-B'+52.68	RT	127.0
	TOTALS		15,946.0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

REMOVING STORM SEWER SUMMARY

CATEGORY	STATION	LOCATION	204.0245.01 12-INCH LF	204.0245.02 15-INCH LF	204.0245.03 18-INCH LF	204.0245.04 24-INCH LF
0010	1145'SB'+81 - 1146'SB'+09	LT	35	---	---	---
	1153'SB'+83	LT	130	---	---	---
	1160'NB'+00	LT/RT	---	125	---	---
	1165'NB'+73 - 1165'NB'+84	LT/RT	202	---	---	---
	1201'NB'+50	LT/RT	47	---	---	---
	1211'NB'+78	LT	8	---	---	---
	1215'NB'+66	RT	38	---	---	---
	1215'SB'+53 - 1215'SB'+54	LT	65	---	---	---
	1217'NB'+43 - 1217'NB'+49	LT/RT	68	---	---	---
	1226'NB'+63 - 1226'NB'+64	LT/RT	85	---	---	---
	1228'SB'+23	LT	67	---	---	---
	1251'NB'+29 - 1251'NB'+36	LT/RT	97	75	---	---
	1254'NB'+33	RT	82	---	---	---
	1256'NB'+74 - 1256'NB'+81	LT/RT	66	---	---	---
	1260'NB'+23 - 1260'NB'+28	LT/RT	107	---	---	---
	1275'NB'+47 - 1275'NB'+69	LT/RT	10	---	---	16
	1280'NB'+09	LT/RT	5	---	---	16
	1426'SB'+07 - 1426'SB'+09	LT	---	---	75	---
	1427'NB'+62	RT	68	---	---	---
	1430'SB'+08	LT/RT	---	---	139	---
	1482'NB'+00 - 1482'NB'+01	RT	64	---	---	---
	1481'SB'+94 - 1481'SB'+98	LT	46	---	---	---
	1484'NB'+06	LT/RT	---	---	137	---
	1493'NB'+36	LT/RT	---	---	121	---
	1495'NB'+77	RT	48	---	---	---
	1495'NB'+68	LT	52	---	---	---
	1524'SB'+24	LT/RT	---	---	119	---
	1534'NB'+52	RT	64	---	---	---
	1534'NB'+39	LT	54	---	---	---
	TOTALS		1,508	200	591	32

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0220 EACH	REMARKS
0010	1153'SB'+83	18' RT	1	REMOVING VANE DRAIN REQ'D
	1160'NB'+00	19' LT	1	REMOVING VANE DRAIN REQ'D
	1165'SB'+49	14' RT	1	REMOVING VANE DRAIN REQ'D
	1201'NB'+50	20' LT	1	REMOVING VANE DRAIN REQ'D
	1215'NB'+66	35' RT	1	
	1226'NB'+56	22' RT	1	REMOVING VANE DRAIN REQ'D
	1226'NB'+63	20' LT	1	REMOVING VANE DRAIN REQ'D
	1228'SB'+23	45' LT	1	
	1254'NB'+33	35' RT	1	
	1256'NB'+81	21' RT	1	REMOVING VANE DRAIN REQ'D
	1260'NB'+27	20' LT	1	REMOVING VANE DRAIN REQ'D
	1275'NB'+65	60' RT	1	
	1427'NB'+62	34' RT	1	
	1430'SB'+08	22' RT	1	REMOVING VANE DRAIN REQ'D
	1482'NB'+01	43' RT	1	
	1484'NB'+06	22' LT	1	REMOVING VANE DRAIN REQ'D
	1493'NB'+36	22' LT	1	REMOVING VANE DRAIN REQ'D
	1495'NB'+77	34' RT	1	
	1495'SB'+68	35' LT	1	
	1524'NB'+35	24' LT	1	REMOVING VANE DRAIN REQ'D
	1524'SB'+24	24' RT	1	REMOVING VANE DRAIN REQ'D
	1534'NB'+52	34' RT	1	
	1534'SB'+39	33' LT	1	
	TOTAL		23	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION	LOCATION	204.0180 EACH
0010	1145'SB'+81	LT	1
	1153'SB'+83	LT	1
	1160'NB'+00	RT	1
	1165'NB'+73	LT	1
	1201'NB'+50	RT	1
	1215'NB'+66	RT	1
	1215'SB'+54	LT	1
	1217'NB'+49	RT	1
	1226'NB'+64	RT	1
	1228'SB'+23	LT	1
	1251'NB'+29	RT	1
	1254'NB'+34	RT	1
	1260'NB'+24	RT	1
	1270'NB'+30	RT	1
	1426'SB'+09	LT	1
	1427'SB'+62	RT	1
	1430'SB'+08	LT	1
	1482'NB'+01	RT	1
	1481'SB'+94	LT	1
	1484'NB'+06	RT	1
	1493'NB'+36	RT	1
	1495'NB'+78	RT	1
	1495'SB'+71	LT	1
	1524'SB'+24	LT	1
	1534'NB'+51	RT	1
	1534'SB'+39	LT	1
	TOTALS		26

PREPARE FOUNDATION FOR CONCRETE PAVEMENT

CATEGORY	PROJECT	211.0201 EACH	REMARKS
0010	1120-57-60	1	USED FOR CONCRETE PAVEMENT HES 9-INCH AND 11-INCH

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

CATEGORY	STAGE	STATION - STATION	LOCATION	211.0400 STA
0010	4A	1207'NB'+57 - 1208'NB'+57	RT	1
		1222'NB'+82 - 1223'NB'+82	RT	1
		1247'NB'+61 - 1248'NB'+61	RT	1
		1403'NB'+63 - 1404'NB'+63	RT	1
		1423'NB'+88 - 1424'NB'+88	RT	1
		1478'NB'+45 - 1479'NB'+45	RT	1
		1489'NB'+69 - 1490'NB'+69	RT	1
		1509'NB'+37 - 1510'NB'+37	RT	1
		1509'NB'+37 - 1510'NB'+37	RT	1
		NORTHBOUND SUBTOTAL		7
	4A	1170'SB'+51 - 1171'SB'+51	LT	1
		1221'SB'+37 - 1222'SB'+37	LT	1
		1234'SB'+80 - 1235'SB'+80	LT	1
		1498'SB'+39 - 1499'SB'+39	LT	1
		1519'SB'+09 - 1520'SB'+09	LT	1
		SOUTHBOUND SUBTOTAL		4
	RAMPS	1241'II-B'+49 - 1242'II-B'+49	RT	1
		22'CA-B'+40 - 23'CA-B'+40	RT	1
		1425'BB-A'+94 - 1426'BB-A'+94	LT	1
		1419'BB-B'+69 - 1420'BB-B'+69	LT	1
		1495'CA-C'+24 - 1496'CA-C'+24	LT	1
		24'CA-D'+82 - 25'CA-D'+82	RT	1
		27'CA-D'+49 - 28'CA-D'+49	LT	1
		RAMPS SUBTOTAL		7
		TOTAL		18

SHAPING SHOULDERS

CATEGORY	STAGE	STATION - STATION	LOCATION	305.0500 STA
0010	4A	1154'NB'+60 - 1155'NB'+63	RT	1
		1168'NB'+21 - 1173'NB'+15	RT	5
		1206'NB'+70 - 1207'NB'+20	RT	1
		1217'NB'+54 - 1222'NB'+46	RT	5
		1228'NB'+47 - 1233'NB'+30	RT	5
		1261'NB'+74 - 1264'NB'+25	RT	3
		1419'NB'+80 - 1424'NB'+38	RT	5
		1430'NB'+00 - 1434'NB'+90	RT	5
		1474'NB'+95 - 1478'NB'+08	RT	3
		1485'NB'+05 - 1489'NB'+32	RT	4
		1499'NB'+44 - 1500'NB'+80	RT	1
		1525'NB'+80 - 1527'NB'+24	RT	2
		1536'NB'+88 - 1541'NB'+75	RT	5
		NORTHBOUND SUBTOTAL		44
	4A	1141'SB'+70 - 1146'SB'+02	LT	4
		1147'SB'+80 - 1151'SB'+30	LT	4
		1154'SB'+80 - 1165'SB'+60	LT	11
		1170'SB'+88 - 1176'SB'+70	LT	6
		1210'SB'+60 - 1214'SB'+70	LT	4
		1222'SB'+74 - 1226'SB'+47	LT	4
		1422'SB'+75 - 1427'SB'+65	LT	5
		1433'SB'+67 - 1437'SB'+66	LT	4
		1484'SB'+29 - 1493'SB'+27	LT	9
		1499'SB'+76 - 1503'SB'+00	LT	3
		1529'SB'+50 - 1530'SB'+34	LT	1
		1536'SB'+76 - 1543'SB'+40	LT	7
		SOUTHBOUND SUBTOTAL		61
		TOTAL		105

REMOVING APRON ENDWALLS

CATEGORY	STATION	LOCATION	204.9060.S.01 EACH	REMARKS
0010	1270'NB'+30	RT	1	12-INCH CMCP

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	1120-57-60	1

BASE AGGREGATE DENSE SUMMARY

CATEGORY	STATION		STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	624.0100 WATER** MGAL*
0010	1155'NB'+63	-	1165'NB'+93	RT	48	0.5
	1207'NB'+20	-	1215'NB'+74	RT	43	0.4
	1222'NB'+46	-	1226'NB'+75	RT	22	0.2
	1247'NB'+81	-	1254'NB'+41	RT	36	0.4
	1256'NB'+72	-	1261'NB'+74	RT	24	0.2
	1393'NB'+61	-	1396'NB'+08	RT	12	0.1
	1403'NB'+26	-	1407'NB'+31	RT	21	0.2
	1424'NB'+38	-	1427'NB'+68	RT	22	0.2
	1440'NB'+60	-	1445'NB'+39	RT	22	0.2
	1478'NB'+08	-	1482'NB'+12	RT	21	0.2
	1489'NB'+32	-	1493'NB'+49	RT	22	0.2
	1495'NB'+67	-	1499'NB'+44	RT	18	0.2
	1509'NB'+00	-	1526'NB'+40	RT	85	0.9
	1527'NB'+24	-	1534'NB'+61	RT	36	0.4
	1167'SB'+84	-	1170'SB'+88	LT	21	0.2
	1217'SB'+31	-	1222'SB'+74	LT	28	0.3
	1228'SB'+12	-	1236'SB'+17	LT	40	0.4
	1394'SB'+32	-	1396'SB'+85	LT	14	0.1
	1429'SB'+92	-	1433'SB'+67	LT	18	0.2
	1470'SB'+99	-	1474'SB'+47	LT	17	0.2
	1495'SB'+59	-	1499'SB'+76	LT	22	0.2
	1504'SB'+67	-	1520'SB'+46	LT	77	0.8
	1521'SB'+83	-	8'WI-A'+71	LT	63	0.6
	1530'SB'+34	-	1534'SB'+49	LT	20	0.2
	1242'II-B'+86	-	1246'II-B'+53	RT	28	0.3
	1422'BB-A+66	-	1427'BB-A'+31	LT	24	0.2
	1419'BB-B'+69	-	1425'BB-B'+10	LT	29	0.3
	1483'CA-A'+07	-	1487'CA-A'+19	LT	20	0.2
	18'CA-B'+38	-	21'CA-B'+03	RT	13	0.1
	22'CA-B'+03	-	24'CA-B'+06	RT	12	0.1
	21'CA-B'+92	-	24'CA-B'+07	LT	12	0.1
	1494'CA-C'+36	-	1497'CA-C'+01	RT	15	0.2
	1494'CA-C'+87	-	1497'CA-C'77	LT	16	0.2
	24'CA-D'+16	-	26'CA-D'+19	RT	12	0.1
	24'CA-D'+33	-	28'CA-D'+86	LT	24	0.2
	31'WI-B'+25	-	33'WI-B'+53	LT	13	0.1
	31'WI-B'+38	-	33'WI-B'+53	RT	12	0.1
				TOTALS	982	9.7

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** WATER FOR COMPACTION

3

CONCRETE PAVEMENT

CATEGORY	STATION	-	STATION	415.1090 CONCRETE PAVEMENT HES 9-INCH SY	415.1110 CONCRETE PAVEMENT HES 11-INCH SY	416.0610 DRILLED TIE BARS EACH*	416.0620 DRILLED DOWEL BARS EACH*
0010	1119'NB'+00	-	1330'NB'+00	120	1,250	220	260
	1330'NB'+00	-	1429'NB'+00	50	220	40	25
	1429'NB'+00	-	1536'NB'+75	140	660	140	120
	1119'SB'+00	-	1330'SB'+00	40	1,300	220	280
	1330'SB'+00	-	1429'SB'+00	---	110	20	25
	1429'SB'+00	-	1536'SB'+75	90	380	110	95
			TOTALS	440	3,920	750	805

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT REPAIR AND CONCRETE PAVEMENT REPLACEMENT SUMMARY

CATEGORY	STATION - STATION	LOCATION	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	416.1725 CONCRETE PAVEMENT REPLACEMENT SHES SY	690.0150 SAWING ASPHALT LF*	690.0250 SAWING CONCRETE LF*	416.0610 DRILLED TIE BARS EACH*	416.0620 DRILLED DOWEL BARS EACH*
0010	1119'NB'+00 - 1330'NB'+00	LANE 1	250	940	---	2,700	700	620
		LANE 2	660	1,400	---	5,300	1,050	1,450
		LANE 3	300	380	360	1,350	120	600
	1330'NB'+00 - 1429'NB'+00	LANE 1	20	35	---	160	25	50
		LANE 2	85	180	---	710	140	210
		LANE 3	40	170	25	440	55	140
	1429'NB'+00 - 1536'NB'+75	LANE 1	---	35	---	80	25	15
		LANE 2	170	180	---	1,050	140	340
		LANE 3	90	340	280	640	110	260
	1119'SB'+00 - 1330'SB'+00	LANE 1	130	110	---	690	80	220
		LANE 2	320	470	---	2,150	350	660
		LANE 3	120	---	75	330	---	180
	1330'SB'+00 - 1429'SB'+00	LANE 1	160	70	---	760	55	270
		LANE 2	180	35	---	760	25	290
		LANE 3	65	---	40	180	---	100
		AUXILIARY	---	110	80	130	40	30
	1429'SB'+00 - 1536'SB'+75	LANE 1	65	35	---	320	25	110
		LANE 2	230	35	---	960	25	370
		LANE 3	180	---	120	510	---	280
	RAMP JJ-A	RAMP	220	---	250	520	---	55
	RAMP JJ-B	RAMP	55	---	65	120	---	---
	RAMP JJ-D	RAMP	55	---	65	120	---	---
	RAMP MS-A	RAMP	20	---	15	65	---	30
	RAMP II-B	RAMP	15	90	130	60	---	20
	RAMP BB-A	RAMP	80	90	170	270	---	100
	RAMP BB-B	RAMP	15	---	8	35	---	20
	RAMP BB-C	RAMP	25	---	15	75	---	---
	RAMP BB-D	RAMP	80	45	120	210	---	20
	RAMP CA-A	RAMP	80	180	210	320	---	60
	RAMP CA-C	RAMP	25	140	170	120	---	40
	RAMP CA-D	RAMP	55	---	30	150	---	---
	RAMP WI-A	RAMP	25	---	30	60	---	---
	UNDISTRIBUTED		382	507	226	2,135	297	654
		TOTALS	4,197	5,577	2,484	23,480	3,262	7,194

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	420.1000 SY
0010	1119'NB'+00 - 1330'NB'+00	107,000
	1330'NB'+00 - 1429'NB'+00	50,000
	1429'NB'+00 - 1536'NB'+75	49,600
	1119'SB'+00 - 1330'SB'+00	107,100
	1330'SB'+00 - 1429'SB'+00	46,400
	1429'SB'+00 - 1536'SB'+75	49,600
	RAMP JJ-A	4,900
	RAMP JJ-B	4,300
	RAMP JJ-C	2,650
	RAMP JJ-D	1,300
	RAMP MS-A	2,800
	RAMP MS-B	1,100
	RAMP II-A	2,650
	RAMP II-B	2,900
	RAMP II-C	2,950
	RAMP II-D	2,650
	RAMP BB-A	2,200
	RAMP BB-B	2,350
	RAMP BB-C	3,850
	RAMP BB-D	2,550
	RAMP CA-A	1,850
	RAMP CA-B	3,550
	RAMP CA-C	3,150
	RAMP CA-D	4,850
	RAMP WI-A	690
	RAMP WI-B	3,550
	UNDISTRIBUTED	17,700
	TOTALS	484,190

HMA COLD WEATHER PAVING

CATEGORY	PROJECT	450.4000 TON
0010	1120-57-60	1,204

CONCRETE RUMBLE STRIPS, SHOULDER DIVIDED ROADWAY

CATEGORY	STAGE	STATION - STATION	LOCATION	602.3210 LF
0010	5C	1269'NB'+56 - 1314'NB'+47	NB, RT	4,500
		1314'NB'+00 - 1356'NB'+69	NB, RT	4,275
		1247'SB'+25 - 1254'SB'+25	SB, LT	700
		1256'SB'+34 - 1263'SB'+12	SB, LT	675
		1270'SB'+76 - 1286'SB'+18	SB, LT	1,550
		1306'SB'+32 - 1353'SB'+10	SB, LT	4,675
		SUBTOTAL (STAGE 5C)		16,375
		UNDISTRIBUTED		825
			TOTAL	17,200

PIPE CROSSING REMOVAL AND BACKFILL SUMMARY

CATEGORY	STATION	204.0100 REMOVING CONCRETE PAVEMENT SY*	204.0150 REMOVING CURB AND GUTTER LF	204.0157 REMOVING CONCRETE BARRIER LF*	204.0165 REMOVING GUARDRAIL LF*	209.0300.S.01 BACKFILL COARSE AGGREGATE SIZE NO. 1 CY	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER** MGAL*
0010	1153'SB'+83	41	---	10	---	110	65	1.0
	1160'NB'+00	32	---	10	25	50	35	0.6
	1165'NB'+74	25	---	20	---	220	100	1.5
	1201'NB'+50	7	---	20	---	---	---	---
	1211'NB'+78	---	---	20	---	---	---	---
	1217'NB'+43	---	---	20	---	---	---	---
	1226'NB'+63	13	---	20	25	---	---	---
	1251'NB'+33	42	6	20	25	170	70	1.1
	1256'NB'+81	13	---	10	25	140	50	0.8
	1260'NB'+27	32	---	20	25	80	45	0.7
	1270'NB'+36	7	---	10	---	---	10	0.2
	1275'NB'+50	19	---	20	---	30	20	0.3
	1280'NB'+09	13	---	20	---	30	9	0.1
	1426'SB'+09	---	---	---	---	---	---	---
	1430'SB'+08	32	---	10	25	100	45	0.7
	1484'NB'+06	42	---	20	25	120	65	1.0
	1493'NB'+36	7	---	100	110	95	45	0.7
	1524'SB'+24	48	---	20	25	140	60	0.9
	TOTALS	373	6	370	310	1,285	619	9.6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** WATER FOR COMPACTION

ASPHALTIC ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	455.0605 TACK COAT GAL*	460.5224 HMA PAVEMENT 4 LT 58-28 S TON
0010	1A	1357'NB'+20 - 1367'NB'+70	RT, RUMBLE STRIP	25	39
		1361'SB'+25 - 1371'SB'+80	LT, RUMBLE STRIP	25	39
		SUBTOTAL (STAGE 1A)		50	78
	1B	1355'NB'+95 - 1370'NB'+70	LT, RUMBLE STRIP	35	55
		1360'SB'+25 - 1373'SB'+70	RT, RUMBLE STRIP	35	50
		SUBTOTAL (STAGE 1B)		70	105
	3A	1136'NB'+90 - 1146'NB'+00	LT, RUMBLE STRIP	20	34
		1147'NB'+80 - 1165'NB'+85	LT, RUMBLE STRIP	45	67
		1168'NB'+20 - 1173'NB'+35	LT, RUMBLE STRIP	10	19
		1206'NB'+45 - 1215'NB'+60	LT, RUMBLE STRIP	20	34
		1217'NB'+50 - 1226'NB'+50	LT, RUMBLE STRIP	20	34
		1228'NB'+40 - 1233'NB'+55	LT, RUMBLE STRIP	10	19
		1245'NB'+00 - 1249'NB'+50	LT, RUMBLE STRIP	10	17
		1249'NB'+75 - 1254'NB'+15	LT, RUMBLE STRIP	10	16
		1256'NB'+95 - 1262'NB'+75	LT, RUMBLE STRIP	15	22
		1270'NB'+00 - 1282'NB'+20	LT, RUMBLE STRIP	30	46
		1418'NB'+25 - 1427'NB'+85	LT, RUMBLE STRIP	25	36
		1430'NB'+30 - 1435'NB'+15	LT, RUMBLE STRIP	10	18
		1474'NB'+40 - 1481'NB'+95	LT, RUMBLE STRIP	20	28
		1483'NB'+50 - 1493'NB'+20	LT, RUMBLE STRIP	25	36
		1495'NB'+80 - 1501'NB'+10	LT, RUMBLE STRIP	10	20
		1525'NB'+40 - 1534'NB'+50	LT, RUMBLE STRIP	20	34
		1536'NB'+85 - 1542'NB'+00	LT, RUMBLE STRIP	10	19
		1141'SB'+05 - 1145'SB'+95	RT, RUMBLE STRIP	10	18
		1147'SB'+55 - 1165'SB'+60	RT, RUMBLE STRIP	45	67
		1168'SB'+00 - 1177'SB'+05	RT, RUMBLE STRIP	20	34
		1210'SB'+35 - 1215'SB'+75	RT, RUMBLE STRIP	10	20
		1217'SB'+45 - 1226'SB'+50	RT, RUMBLE STRIP	20	34
		1228'SB'+25 - 1237'SB'+15	RT, RUMBLE STRIP	20	33
		1249'SB'+15 - 1254'SB'+40	RT, RUMBLE STRIP	10	20
		1256'SB'+45 - 1267'SB'+55	RT, RUMBLE STRIP	25	41
		1270'SB'+25 - 1286'SB'+75	RT, RUMBLE STRIP	40	62
		1422'SB'+50 - 1427'SB'+65	RT, RUMBLE STRIP	10	19
		1430'SB'+10 - 1439'SB'+10	RT, RUMBLE STRIP	20	34
		1477'SB'+35 - 1481'SB'+95	RT, RUMBLE STRIP	10	17
		1483'SB'+45 - 1493'SB'+25	RT, RUMBLE STRIP	25	37
		1495'SB'+80 - 1504'SB'+85	RT, RUMBLE STRIP	20	34
		1529'SB'+25 - 1534'SB'+40	RT, RUMBLE STRIP	10	19
		1536'SB'+75 - 1545'SB'+80	RT, RUMBLE STRIP	20	34
		SUBTOTAL (STAGE 3A)		625	1,022
	4A	1137'NB'+00 - 1142'NB'+66	RT, ASPHALT SHOULDER	35	56
		1151'NB'+30 - 1154'NB'+60	RT, ASPHALT SHOULDER	40	64
		1154'NB'+60 - 1165'NB'+85	RT, ASPHALT SHOULDER	65	112
		1168'NB'+21 - 1173'NB'+15	RT, ASPHALT SHOULDER	30	49
		1206'NB'+70 - 1215'NB'+83	RT, ASPHALT SHOULDER	55	91
		1217'NB'+54 - 1226'NB'+58	RT, ASPHALT SHOULDER	55	90
		1228'NB'+47 - 1233'NB'+30	RT, ASPHALT SHOULDER	30	48
		1243'NB'+56 - 1247'NB'+80	RT, ASPHALT SHOULDER	40	69
		1247'NB'+80 - 1254'NB'+15	RT, ASPHALT SHOULDER	40	63
		1257'NB'+00 - 1264'NB'+25	RT, ASPHALT SHOULDER	45	72
		1417'NB'+90 - 1419'NB'+80	RT, ASPHALT SHOULDER	15	28
		1419'NB'+80 - 1427'NB'+40	RT, ASPHALT SHOULDER	45	76
		1430'NB'+00 - 1434'NB'+90	RT, ASPHALT SHOULDER	30	49
		1474'NB'+95 - 1482'NB'+20	RT, ASPHALT SHOULDER	45	72
		1483'NB'+30 - 1485'NB'+05	RT, ASPHALT SHOULDER	15	23
		1485'NB'+05 - 1493'NB'+40	RT, ASPHALT SHOULDER	50	83
		1495'NB'+80 - 1500'NB'+80	RT, ASPHALT SHOULDER	30	50
		1525'NB'+80 - 1534'NB'+50	RT, ASPHALT SHOULDER	55	87
		1536'NB'+88 - 1541'NB'+75	RT, ASPHALT SHOULDER	30	48

CON'T. ABOVE

ASPHALTIC ITEMS CON'T.

CATEGORY	STAGE	STATION - STATION	LOCATION	455.0605 TACK COAT GAL*	460.5224 HMA PAVEMENT 4 LT 58-28 S TON
0010	4A	1141'SB'+70 - 1146'SB'+02	LT, ASPHALT SHOULDER	25	43
		1147'SB'+80 - 1151'SB'+30	LT, ASPHALT SHOULDER	20	35
		1152'SB'+55 - 1154'SB'+80	LT, ASPHALT SHOULDER	25	42
		1154'SB'+80 - 1165'SB'+60	LT, ASPHALT SHOULDER	60	108
		1167'SB'+90 - 1176'SB'+70	LT, ASPHALT SHOULDER	55	88
		1210'SB'+60 - 1214'SB'+70	LT, ASPHALT SHOULDER	25	41
		1217'SB'+40 - 1226'SB'+47	LT, ASPHALT SHOULDER	55	90
		1228'SB'+29 - 1235'SB'+20	LT, ASPHALT SHOULDER	40	69
		1422'SB'+75 - 1427'SB'+65	LT, ASPHALT SHOULDER	30	49
		1429'SB'+94 - 1437'SB'+66	LT, ASPHALT SHOULDER	45	77
		1437'SB'+66 - 1440'SB'+90	LT, ASPHALT SHOULDER	25	44
		1481'SB'+20 - 1482'SB'+05	LT, ASPHALT SHOULDER	3	4
		1483'SB'+17 - 1484'SB'+29	LT, ASPHALT SHOULDER	10	22
		1484'SB'+29 - 1493'SB'+27	LT, ASPHALT SHOULDER	55	89
		1495'SB'+65 - 1503'SB'+00	LT, ASPHALT SHOULDER	45	73
		1503'SB'+00 - 1504'SB'+90	LT, ASPHALT SHOULDER	15	24
		1529'SB'+50 - 1534'SB'+34	LT, ASPHALT SHOULDER	30	48
		1536'SB'+76 - 1543'SB'+40	LT, ASPHALT SHOULDER	40	66
		1543'SB'+40 - 1545'SB'+70	LT, ASPHALT SHOULDER	15	29
		SUBTOTAL (STAGE 4A)		1,368	2,271
		TOTALS		2,113	3,476

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC SURFACE PATCHING

CATEGORY	PROJECT	LOCATION	465.0110 TON	REMARKS
0010	1120-57-60	UNDISTRIBUTED	15	FOR MINOR REPAIRS (FILLING POTHOLES OR POP OUTS) THAT OCCUR UNDER TRAFFIC HANDLING

PIPE CROSSINGS SUMMARY

CATEGORY	STATION	455.0605 TACK COAT GAL*	465.0105 ASHPALTIC SURFACE TON	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	614.2300 MGS GUARDRAIL 3 LF*	603.0105 CONCRETE BARRIER SINGLE-FACED 32-INCH LF	603.1142 CONCRETE BARRIER TYPE S42 LF	690.0150 SAWING ASPHALT LF*	690.0250 SAWING CONCRETE LF*
0010	1153'SB'+83	4	24	---	---	10	---	49	150
	1160'NB'+00	3	16	---	25	10	---	20	120
	1165'NB'+74	2	11	---	---	20	---	150	135
	1201'NB'+50	3	19	---	---	20	---	16	68
	1211'NB'+78	---	---	---	---	20	---	---	36
	1217'NB'+43	---	---	---	---	20	---	---	36
	1226'NB'+63	1	6	---	25	20	---	---	100
	1251'NB'+33	4	24	6	25	20	---	48	170
	1256'NB'+81	1	6	---	25	10	---	77	70
	1260'NB'+27	3	16	---	25	20	---	20	140
	1270'NB'+36	---	---	---	---	10	---	---	50
	1275'NB'+50	---	---	---	---	---	20	---	82
	1280'NB'+09	---	---	---	---	---	20	---	62
	1426'SB'+09	1	3	---	---	---	---	20	---
	1430'SB'+08	3	16	---	25	10	---	20	120
	1484'NB'+06	4	22	---	25	20	---	29	170
	1493'NB'+36	3	16	---	25	100	---	92	62
	1524'SB'+24	1	3	---	25	20	---	23	200
	TOTALS	33	182	6	225	330	40	564	1,771

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE COLLARS FOR PIPE

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	520.8000 EACH
0010	100	1146'SB'+09	43' LT	1
	130	1165'NB'+84	35' RT	1
	140	1201'NB'+50	28' LT	1
	142	1201'NB'+50	63' RT	1
	150	1211'NB'+78	28' LT	1
	151	1211'NB'+78	36' LT	1
	160	1215'SB'+54	60' LT	1
	170	1217'NB'+43	28' LT	1
	171	1217'NB'+43	20' LT	1
	172	1217'NB'+48	44' RT	1
	182	1226'NB'+64	44' RT	1
	200	1251'NB'+33	28' LT	1
	201	1251'NB'+36	68' RT	2
	202	1251'NB'+35	76' RT	2
	211	1256'NB'+74	44' RT	1
	220	1260'NB'+28	28' LT	1
	241	1275'NB'+67	50' RT	1
	251	1280'NB'+09	56' RT	1
	252	1279'NB'+98	61' RT	1
	252	1280'NB'+19	61' RT	1
	261	1426'SB'+08	29' LT	1
	290	1481'SB'+98	47' LT	1
	300	1484'NB'+06	31' LT	1
	310	1493'NB'+36	30' LT	1
			TOTAL	26

APRON ENDWALLS SUMMARY

CATEGORY	STRUCTURE NO.	STATION	OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	633.5200 MARKERS CULVERT END EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH*
0010	101	1145'SB'+81	60' LT	1	---	---	1	1
	111	1153'SB'+83	106' LT	1	---	---	1	1
	121	1160'NB'+00	59' RT	---	1	---	1	1
	132	1165'NB'+73	132' LT	1	---	---	1	1
	143	1201'NB'+50	71' RT	1	---	---	1	1
	156	1215'NB'+29	45' RT	1	---	---	1	1
	161	1215'SB'+53	89' LT	1	---	---	1	1
	173	1217'NB'+49	52' RT	1	---	---	1	1
	183	1226'NB'+64	52' RT	1	---	---	1	1
	191	1228'SB'+58	98' LT	1	---	---	1	1
	203	1251'NB'+29	141' RT	---	1	---	1	1
	206	1253'NB'+95	44' RT	1	---	---	1	1
	222	1260'NB'+24	53' RT	1	---	---	1	1
	262	1426'SB'+09	63' LT	---	---	1	1	1
	266	1427'NB'+22	61' RT	1	---	---	1	1
	271	1430'SB'+08	58' LT	---	---	1	1	1
	281	1481'NB'+67	56' RT	1	---	---	1	1
	291	1481'SB'+94	71' LT	1	---	---	1	1
	302	1484'NB'+06	67' RT	---	---	1	1	1
	312	1493'NB'+36	64' RT	---	---	1	1	1
	321	1496'NB'+13	44' RT	1	---	---	1	1
	331	1496'SB'+04	54' LT	1	---	---	1	1
	337	1524'SB'+24	72' LT	---	---	1	1	1
	341	1534'NB'+15	45' RT	1	---	---	1	1
	351	1534'SB'+03	42' LT	1	---	---	1	1
		TOTALS		18	2	5	25	25

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

ASPHALTIC RUMBLE STRIPS, SHOULDER DIVIDED ROADWAY

CATEGORY	STAGE	STATION - STATION	LOCATION	465.0510 LF
0010	5A	1139'NB'+54 - 1142'NB'+02	NB, RT	248
		1154'NB'+32 - 1165'NB'+85	NB, RT	1,153
		1168'NB'+21 - 1171'NB'+65	NB, RT	344
		1207'NB'+75 - 1215'NB'+83	NB, RT	808
		1217'NB'+54 - 1226'NB'+58	NB, RT	904
		1228'NB'+47 - 1231'NB'+32	NB, RT	285
		1247'NB'+80 - 1254'NB'+15	NB, RT	635
		1257'NB'+00 - 1264'NB'+25	NB, RT	725
		1357'NB'+20 - 1367'NB'+70	NB, RT	1,050
		1420'NB'+10 - 1427'NB'+40	NB, RT	730
		1430'NB'+00 - 1432'NB'+40	NB, RT	240
		1485'NB'+75 - 1493'NB'+40	NB, RT	765
		1495'NB'+80 - 1498'NB'+25	NB, RT	245
		1527'NB'+25 - 1534'NB'+50	NB, RT	725
		1536'NB'+88 - 1539'NB'+25	NB, RT	237
		1143'SB'+65 - 1146'SB'+02	SB, LT	237
		1147'SB'+80 - 1151'SB'+30	SB, LT	350
		1154'SB'+65 - 1165'SB'+60	SB, LT	1,095
		1167'SB'+90 - 1175'SB'+45	SB, LT	755
		1219'SB'+78 - 1226'SB'+47	SB, LT	669
		1228'SB'+29 - 1235'SB'+50	SB, LT	721
		1361'SB'+25 - 1371'SB'+80	SB, LT	1,055
		1424'SB'+23 - 1427'SB'+65	SB, LT	342
		1429'SB'+94 - 1437'SB'+75	SB, LT	781
		1490'SB'+79 - 1493'SB'+27	SB, LT	248
		1495'SB'+65 - 1502'SB'+90	SB, LT	725
		1531'SB'+47 - 1534'SB'+34	SB, LT	287
		1536'SB'+76 - 1543'SB'+40	SB, LT	664
		SUBTOTAL (STAGE 5A)		17,023
	5B	1138'NB'+75 - 1146'NB'+00	NB, LT	725
		1147'NB'+80 - 1152'NB'+20	NB, LT	440
		1158'NB'+75 - 1165'NB'+85	NB, LT	710
		1168'NB'+20 - 1172'NB'+25	NB, LT	405
		1207'NB'+75 - 1215'NB'+60	NB, LT	785
		1217'NB'+50 - 1226'NB'+50	NB, LT	900
		1228'NB'+40 - 1231'NB'+40	NB, LT	300
		1247'NB'+75 - 1249'NB'+50	NB, LT	175
		1249'NB'+75 - 1254'NB'+15	NB, LT	440
		1256'NB'+95 - 1262'NB'+75	NB, LT	580
		1270'NB'+00 - 1280'NB'+00	NB, LT	1,000
		1355'NB'+95 - 1370'NB'+70	NB, LT	1,475
		1420'NB'+70 - 1427'NB'+85	NB, LT	715
		1430'NB'+30 - 1433'NB'+25	NB, LT	295
		1486'NB'+00 - 1493'NB'+20	NB, LT	720
		1495'NB'+80 - 1499'NB'+20	NB, LT	340
		1527'NB'+25 - 1534'NB'+50	NB, LT	725
		1536'NB'+85 - 1540'NB'+20	NB, LT	335
		1142'SB'+70 - 1145'SB'+95	SB, RT	325
		1147'SB'+55 - 1155'SB'+20	SB, RT	765
		1162'SB'+75 - 1165'SB'+60	SB, RT	285
		1168'SB'+00 - 1175'SB'+25	SB, RT	725
		1212'SB'+75 - 1215'SB'+75	SB, RT	300
		1217'SB'+45 - 1226'SB'+50	SB, RT	905
		1228'SB'+25 - 1235'SB'+50	SB, RT	725
		1249'SB'+85 - 1254'SB'+40	SB, RT	455
		1256'SB'+45 - 1267'SB'+55	SB, RT	1,110
		1270'SB'+25 - 1278'SB'+20	SB, RT	795
		1360'SB'+25 - 1373'SB'+70	SB, RT	1,345
		1424'SB'+80 - 1427'SB'+65	SB, RT	285
		1430'SB'+10 - 1437'SB'+20	SB, RT	710
		1490'SB'+75 - 1493'SB'+25	SB, RT	250
		1495'SB'+80 - 1503'SB'+20	SB, RT	740
		1531'SB'+75 - 1534'SB'+40	SB, RT	265
		1536'SB'+75 - 1544'SB'+15	SB, RT	740
		SUBTOTAL (STAGE 5B)		21,790
			TOTAL	38,813

CONCRETE BARRIER TEMPORARY PRECAST SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	603.8000 DELIVERED LF	603.8125 INSTALLED LF	603.8500 ANCHORING LF	603.8505 ANCHORING ON BRIDGE DECKS LF	SPV.0090.02 GLARE SCREENS TEMPORARY LF
0010	3B	1263'NB'+60 - 1272'NB'+02	RT	837.5	837.5	150.0	287.5	837.5
		1267'SB'+05 - 1272'SB'+39	LT	537.5	537.5	50.0	---	537.5
		SUBTOTALS (STAGE 3B)		1,375.0	1,375.0	200.0	287.5	1,375.0
	3C	1264'NB'+21 - 1272'NB'+05	RT	---	775.0	50.0	---	775.0
		1267'SB'+08 - 1272'SB'+39	LT	---	537.5	50.0	---	537.5
		SUBTOTALS (STAGE 3C)		0.0	1,312.5	100.0	0.0	1,312.5
	4A	1144'NB'+40 - 1147'NB'+96	RT	362.5	362.5	162.5	100.0	---
		1145'SB'+81 - 1149'SB'+52	LT	375.0	375.0	50.0	---	---
		1164'NB'+27 - 1168'NB'+36	RT	412.5	412.5	162.5	100.0	---
		1165'SB'+41 - 1169'SB'+49	LT	412.5	412.5	162.5	100.0	---
		1213'NB'+96 - 1217'NB'+66	RT	375.0	375.0	162.5	100.0	---
		1215'SB'+38 - 1219'SB'+08	LT	375.0	375.0	162.5	100.0	---
		1224'NB'+97 - 1228'NB'+54	RT	362.5	362.5	162.5	100.0	---
		1226'SB'+33 - 1229'SB'+90	LT	362.5	362.5	50.0	---	---
		1252'NB'+50 - 1257'NB'+09	RT	462.5	462.5	187.5	100.0	---
		1253'SB'+87 - 1258'SB'+34	LT	450.0	450.0	50.0	---	---
		1425'NB'+80 - 1430'NB'+14	RT	437.5	437.5	200.0	100.0	---
		1427'SB'+49 - 1430'SB'+42	LT	300.0	300.0	87.5	50.0	---
		1491'NB'+62 - 1496'NB'+09	RT	450.0	450.0	200.0	100.0	---
		1493'SB'+13 - 1497'SB'+34	LT	425.0	425.0	162.5	100.0	---
		1532'NB'+93 - 1537'NB'+01	RT	412.5	412.5	162.5	100.0	---
		1534'SB'+25 - 1538'SB'+33	LT	412.5	412.5	162.5	100.0	---
		SUBTOTALS (STAGE 4A)		6,387.5	6,387.5	2,287.5	1,250.0	0.0
	4B	1144'NB'+40 - 1147'NB'+96	RT	362.5	362.5	162.5	100.0	---
		1145'SB'+81 - 1149'SB'+52	LT	---	375.0	50.0	---	---
		1164'NB'+27 - 1168'NB'+36	RT	412.5	412.5	162.5	100.0	---
		1165'SB'+41 - 1169'SB'+49	LT	---	412.5	162.5	100.0	---
		1213'NB'+96 - 1217'NB'+66	RT	375.0	375.0	162.5	100.0	---
		1215'SB'+38 - 1219'SB'+08	LT	---	375.0	162.5	100.0	---
		1224'NB'+97 - 1228'NB'+54	RT	362.5	362.5	162.5	100.0	---
		1226'SB'+33 - 1229'SB'+90	LT	---	362.5	50.0	---	---
		1252'NB'+50 - 1257'NB'+09	RT	462.5	462.5	187.5	100.0	---
		1253'SB'+87 - 1258'SB'+34	LT	---	450.0	50.0	---	---
		1425'NB'+80 - 1430'NB'+14	RT	---	437.5	200.0	100.0	---
		1427'SB'+49 - 1430'SB'+42	LT	---	300.0	87.5	50.0	---
		1491'NB'+62 - 1496'NB'+09	RT	---	450.0	200.0	100.0	---
		1493'SB'+13 - 1497'SB'+34	LT	---	425.0	162.5	100.0	---
		1532'NB'+93 - 1537'NB'+01	RT	---	412.5	162.5	100.0	---
		1534'SB'+25 - 1538'SB'+33	LT	---	412.5	162.5	100.0	---
		SUBTOTALS (STAGE 4B)		1,975.0	6,387.5	2,287.5	1,250.0	0.0
			TOTALS	9,737.5	15,462.5	4,875.0	2,787.5	2,687.5

3

STORM SEWER PIPE REINFORCED CONCRETE SUMMARY

			608.0312	608.0318	608.0412	608.0415	608.0418	608.0424	SPV.0090.01
			CLASS III		CLASS IV				CURED IN PLACE PIPE LINER
CATEGORY	FROM STRUCTURE	TO STRUCTURE	12-INCH LF	18-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	12-INCH LF
0010	100	101	33	---	---	---	---	---	---
	110	111	---	---	124	---	---	---	---
	120	121	---	---	---	78	---	---	---
	130	131	---	---	72	---	---	---	---
	131	132	---	---	96	---	---	---	---
	140	141	---	---	8	---	---	---	---
	141	142	---	---	---	---	---	---	83
	142	143	8	---	---	---	---	---	---
	150	151	---	---	8	---	---	---	---
	155	156	10	---	---	---	---	---	---
	160	161	29	---	---	---	---	---	---
	170	171	---	---	8	---	---	---	---
	171	172	---	---	---	---	---	---	64
	172	173	8	---	---	---	---	---	---
	180	181	---	---	8	---	---	---	---
	181	182	---	---	---	---	---	---	56
	182	183	8	---	---	---	---	---	---
	190	191	54	---	---	---	---	---	---
	200	201	---	---	96	---	---	---	---
	201	202	---	---	---	8	---	---	---
	202	203	---	---	---	65	---	---	---
	205	206	10	---	---	---	---	---	---
	210	211	---	---	66	---	---	---	---
	220	221	---	---	8	---	---	---	---
	221	222	---	---	73	---	---	---	---
	240	241	---	---	---	---	---	---	81
	241	242	---	---	10	---	---	---	---
	242	EXISTING SS	---	---	---	---	---	16	---
	250	251	---	---	---	---	---	---	76
	251	252	---	---	5	---	---	---	---
	252	EXISTING SS	---	---	---	---	---	16	---
	261	262	---	34	---	---	---	---	---
	265	266	27	---	---	---	---	---	---
	270	271	---	---	---	---	80	---	---
	280	281	14	---	---	---	---	---	---
	290	291	25	---	---	---	---	---	---
	300	301	---	8	---	---	---	---	---
	301	302	---	90	---	---	---	---	---
	310	311	---	4	---	---	---	---	---
	311	312	---	86	---	---	---	---	---
	320	321	11	---	---	---	---	---	---
	330	331	21	---	---	---	---	---	---
	335	336	---	---	---	---	4	---	---
	336	337	---	---	---	---	96	---	---
	340	341	12	---	---	---	---	---	---
	350	351	10	---	---	---	---	---	---
	TOTALS		280	222	582	151	180	32	360

CONCRETE CURB & GUTTER SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	601.0590 4-INCH SLOPED 36-INCH TYPE TBTT LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF
0010	1215'NB'+13	-	1215'NB'+72	RT	59	59
	1253'NB'+79	-	1254'NB'+38	RT	59	59
	1427'NB'+06	-	1427'NB'+65	RT	59	59
	1481'NB'+51	-	1482'NB'+10	RT	59	59
	1495'NB'+69	-	1496'NB'+28	RT	59	59
	1534'NB'+00	-	1534'NB'+58	RT	58	58
	1228'SB'+15	-	1228'SB'+73	LT	59	59
	1495'SB'+61	-	1496'SB'+20	LT	59	59
	1533'SB'+88	-	1534'SB'+47	LT	59	59
				TOTALS	530	530

INLETS AND MANHOLES SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2005 MANHOLES 5-FT DIA. EACH	611.3004 INLETS 4-FT DIA. EACH	611.3220 INLETS 2X2-FT EACH	611.3225 INLETS 2X2.5-FT EACH	SPV.0060.01 INLETS 2X3-FT MODIFIED EACH	611.0610 INLET COVERS TYPE BW EACH	611.0612 INLET COVERS TYPE c EACH	611.0654 INLET COVERS TYPE V EACH	SPV.0060.02 INLET COVERS TYPE 27-M BOLTED EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH*
0010	110	1153'SB'+83	18' RT	---	---	---	---	1	---	---	---	1	1
	120	1160'NB'+00	19' LT	1	---	---	---	---	---	---	---	1	1
	131	1165'SB'+49	14' RT	---	---	---	---	1	---	---	---	1	1
	141	1201'NB'+50	20' LT	---	---	---	---	1	---	---	---	1	1
	155	1215'NB'+29	35' RT	---	---	1	---	---	---	---	1	---	1
	180	1226'SB'+56	22' RT	---	---	---	---	1	---	---	---	1	1
	181	1226'NB'+63	20' LT	---	---	---	---	1	---	---	---	1	1
	190	1228'SB'+58	44' LT	---	---	1	---	---	---	---	1	---	1
	205	1253'NB'+95	34' RT	---	---	1	---	---	---	---	1	---	1
	210	1256'NB'+81	21' LT	---	---	---	---	1	---	---	---	1	1
	221	1260'NB'+27	20' LT	---	---	---	---	1	---	---	---	1	1
	223	1260'NB'+23	65' RT	---	---	---	---	---	---	1	---	---	---
	242	1275'NB'+69	60' RT	---	1	---	---	---	1	---	---	---	1
	252	1280'NB'+09	61' RT	---	---	---	1	---	1	---	---	---	1
	265	1427'NB'+22	34' RT	---	---	1	---	---	---	---	1	---	1
	270	1430'SB'+08	22' RT	1	---	---	---	---	---	---	---	1	1
	280	1481'NB'+67	42' RT	---	---	1	---	---	---	---	1	---	1
	301	1484'NB'+06	22' LT	1	---	---	---	---	---	---	---	1	1
	311	1493'NB'+36	22' LT	1	---	---	---	---	---	---	---	1	1
	320	1496'NB'+13	33' RT	---	---	1	---	---	---	---	1	---	1
	330	1496'SB'+04	33' LT	---	---	1	---	---	---	---	1	---	1
	335	1524'NB'+35	24' LT	1	---	---	---	---	---	---	---	1	1
	336	1524'SB'+24	24' RT	1	---	---	---	---	---	---	---	1	1
	340	1534'NB'+15	33' RT	---	---	1	---	---	---	---	1	---	1
	350	1534'SB'+03	32' LT	---	---	1	---	---	---	---	1	---	1
		TOTALS		6	1	9	1	7	2	1	9	13	24

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

RIPRAP AND GEOTEXTILE ITEMS

CATEGORY	STATION	OFFSET	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
0010	1145'SB'+81	60' LT	4	---	20
	1153'SB'+83	106' LT	5	---	26
	1160'NB'+00	59' RT	15	---	64
	1165'SB'+48	82' LT	13	---	59
	1201'NB'+50	71' RT	8	---	41
	1215'NB'+29	45' RT	11	---	54
	1215'SB'+53	89' LT	10	---	47
	1217'NB'+49	52' RT	12	---	57
	1226'NB'+64	52' RT	12	---	57
	1228'SB'+58	98' LT	8	---	40
	1251'NB'+29	141' RT	---	5	25
	1253'NB'+95	44' RT	12	---	58
	1260'NB'+24	53' RT	4	---	20
	1426'SB'+09	63' LT	---	21	80
	1427'NB'+22	61' RT	12	---	57
	1430'SB'+08	58' LT	---	25	95
	1481'NB'+67	56' RT	11	---	53
	1481'SB'+94	71' LT	6	---	31
	1484'NB'+06	67' RT	---	14	57
	1493'NB'+36	64' RT	---	18	70
	1496'NB'+13	44' RT	12	---	57
	1496'SB'+04	54' LT	13	---	62
	1524'SB'+24	72' LT	---	9	38
	1534'NB'+15	45' RT	12	---	57
	1534'SB'+03	42' LT	10	---	50
		TOTALS	190	92	1,275

CONCRETE BARRIER TRANSITIONS SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0157 REMOVING CONCRETE BARRIER LF*	603.3113 TYPE NJ32SF TO S36 EACH	603.3513 TYPE S32 TO S36 EACH	603.3535 TYPE S36 TO S42 EACH	690.0250 SAWING CONCRETE LF*
0010	3C	1267'NB'+14 - 1267'NB'+24	LT	10.0	---	1	---	22
		1267'NB'+24 - 1267'NB'+34	LT	10.5	---	---	1	15
		1270'NB'+10 - 1270'NB'+20	LT	10.5	---	---	1	15
		1270'NB'+20 - 1270'NB'+35	LT	15.0	1	---	---	26
			TOTALS	46.0	1	1	2	78

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE UNDERDRAIN ITEMS

CATEGORY	STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0108 PIPE UNDERDRAIN 8-INCH LF	645.0112 GEOTEXTILE TYPE DF SCHEDULE B SY	REMARKS
0010	1160'NB'+03 - 1160'NB'+08	LT	---	5	3	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 120
	1201'NB'+42 - 1201'NB'+58	LT	---	10	7	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 141
	1215'NB'+13 - 1215'NB'+72	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 155
	1226'NB'+55 - 1226'NB'+60	LT	---	5	3	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 181
	1228'SB'+14 - 1228'SB'+74	LT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 190
	1256'NB'+79 - 1254'NB'+39	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 205
	1256'NB'+84 - 1256'NB'+89	LT	---	5	3	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 210
	1260'NB'+19 - 1260'NB'+35	LT	---	10	7	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 221
	1427'NB'+06 - 1427'NB'+66	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 265
	1481'NB'+51 - 1482'NB'+10	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 280
	1483'NB'+98 - 1484'NB'+15	LT	---	10	7	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 301
	1493'NB'+27 - 1493'NB'+33	LT	---	5	3	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 311
	1495'NB'+69 - 1496'NB'+29	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 320
	1495'SB'+61 - 1496'SB'+20	LT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 330
	1524'NB'+38 - 1524'NB'+43	LT	---	5	3	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 335
	1534'NB'+00 - 1534'NB'+59	RT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 340
	1533'SB'+87 - 1534'SB'+47	LT	55	---	30	CONNECT TO EXISTING UNDERDRAIN AND TIE INTO STRUCTURE NO. 350
	UNDISTRIBUTED		50	6	31	
	TOTALS		545	61	337	

3

CRASH CUSHIONS TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	614.0905 EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	3B	1263'NB'+60	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1272'SB'+39	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		SUBTOTALS (STAGE 3B)		2						
	3C	1264'NB'+21	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1272'SB'+39	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		SUBTOTALS (STAGE 3C)		2						
	4A	1144'NB'+40	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1149'SB'+52	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1164'NB'+27	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1169'SB'+49	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1213'NB'+96	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1219'SB'+08	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1224'NB'+97	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1229'SB'+90	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1252'NB'+50	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1258'SB'+34	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1425'NB'+80	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1430'SB'+42	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1491'NB'+62	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1497'SB'+34	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1532'NB'+93	RT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		1538'SB'+33	LT	1	2	OM-3R (W05-58R)	TL-3	UNIDIRECTIONAL	L	TEMPORARY BARRIER PROTECTING WORK ZONE (OUTSIDE)
		SUBTOTALS (STAGE 4A)		16						
	4B	1144'NB'+40	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1149'SB'+52	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1164'NB'+27	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1169'SB'+49	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1213'NB'+96	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1219'SB'+08	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1224'NB'+97	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1229'SB'+90	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1252'NB'+50	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1258'SB'+34	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1425'NB'+80	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1430'SB'+42	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1491'NB'+62	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1497'SB'+34	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1532'NB'+93	RT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		1538'SB'+33	LT	1	2	OM-3L (W05-58L)	TL-3	UNIDIRECTIONAL	R	TEMPORARY BARRIER PROTECTING WORK ZONE (MEDIAN)
		SUBTOTALS (STAGE 4B)		16						
			TOTALS	36						

3

MGS GUARDRAIL SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF*	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
0010	1156'NB'+50.01	-	1157'NB'+03.13	RT	---	---	1	---
	1157'NB'+03.13	-	1165'NB'+53.13	RT	850.0	---	---	---
	1165'NB'+53.13	-	1165'NB'+92.53	RT	---	39.4	---	---
	1208'NB'+06.75	-	1208'NB'+59.85	RT	---	---	1	---
	1208'NB'+59.85	-	1215'NB'+34.84	RT	675.0	---	---	---
	1215'NB'+34.84	-	1215'NB'+74.23	RT	---	39.4	---	---
	1223'NB'+32.57	-	1223'NB'+85.61	RT	---	---	1	---
	1223'NB'+85.61	-	1226'NB'+35.37	RT	250.0	---	---	---
	1226'NB'+35.37	-	1226'NB'+74.77	RT	---	39.4	---	---
	1248'NB'+10.69	-	1248'NB'+63.81	RT	---	---	1	---
	1248'NB'+63.81	-	1254'NB'+01.31	RT	537.5	---	---	---
	1254'NB'+01.31	-	1254'NB'+40.71	RT	---	39.4	---	---
	1256'NB'+72.40	-	1257'NB'+11.80	RT	---	39.4	---	---
	1257'NB'+11.80	-	1261'NB'+74.30	RT	462.5	---	---	---
	1261'NB'+74.30	-	---	RT	---	---	---	1
	1394'NB'+17.87	-	1394'NB'+70.96	RT	---	---	1	---
	1394'NB'+70.96	-	1396'NB'+08.46	RT	137.5	---	---	---
	1396'NB'+08.46	-	---	RT	---	---	---	1
	1404'NB'+13.25	-	1404'NB'+66.35	RT	---	---	1	---
	1404'NB'+66.35	-	1406'NB'+91.34	RT	225.0	---	---	---
	1406'NB'+91.34	-	1407'NB'+30.73	RT	---	39.4	---	---
	1424'NB'+37.85	-	1424'NB'+90.98	RT	---	---	1	---
	1424'NB'+90.98	-	1427'NB'+28.47	RT	237.5	---	---	---
	1427'NB'+28.47	-	1427'NB'+67.86	RT	---	39.4	---	---
	1441'NB'+46.64	-	1441'NB'+99.68	RT	---	---	1	---
	1441'NB'+99.68	-	1444'NB'+99.61	RT	300.0	---	---	---
	1444'NB'+99.61	-	1445'NB'+39.01	RT	---	39.4	---	---
	1478'NB'+94.86	-	1479'NB'+47.98	RT	---	---	1	---
	1479'NB'+47.98	-	1481'NB'+72.93	RT	225.0	---	---	---
	1481'NB'+72.93	-	1482'NB'+12.32	RT	---	39.4	---	---
	1490'NB'+18.83	-	1490'NB'+71.92	RT	---	---	1	---
	1490'NB'+71.92	-	1493'NB'+09.41	RT	237.5	---	---	---
	1493'NB'+09.41	-	1493'NB'+48.81	RT	---	39.4	---	---
	1495'NB'+67.09	-	1496'NB'+06.49	RT	---	39.4	---	---
	1496'NB'+06.49	-	1499'NB'+43.99	RT	337.5	---	---	---
	1499'NB'+43.99	-	---	RT	---	---	---	1
	1509'NB'+86.55	-	1510'NB'+39.68	RT	---	---	1	---
	1510'NB'+39.68	-	1526'NB'+39.68	RT	1,600.0	---	---	---
	1526'NB'+39.68	-	---	RT	---	---	---	1
	1527'NB'+80.63	-	1528'NB'+33.73	RT	---	---	1	---
	1528'NB'+33.73	-	1534'NB'+21.22	RT	587.5	---	---	---
	1534'NB'+21.22	-	1534'NB'+60.62	RT	---	39.4	---	---
	1167'SB'+83.60	-	1168'SB'+23.00	LT	---	39.4	---	---
	1168'SB'+23.00	-	1170'SB'+48.00	LT	225.0	---	---	---
	1170'SB'+48.00	-	1170'SB'+01.12	LT	---	---	1	---
	1217'SB'+31.34	-	1217'SB'+70.73	LT	---	39.4	---	---
	1217'SB'+70.73	-	1221'SB'+33.42	LT	362.5	---	---	---
	1221'SB'+33.42	-	1221'SB'+86.59	LT	---	---	1	---
	1228'SB'+12.24	-	1228'SB'+51.63	LT	---	39.4	---	---
	1228'SB'+51.63	-	1234'SB'+76.57	LT	625.0	---	---	---
	1234'SB'+76.57	-	1235'SB'+29.55	LT	---	---	1	---
	1394'SB'+32.32	-	---	LT	---	---	---	1
	1394'SB'+32.32	-	1395'SB'+44.82	LT	112.5	---	---	---
	1395'SB'+44.82	-	1395'SB'+97.94	LT	---	---	1	---
	1429'SB'+92.02	-	1430'SB'+31.42	LT	---	39.4	---	---
	1430'SB'+31.42	-	1432'SB'+56.43	LT	225.0	---	---	---
	1432'SB'+56.43	-	1433'SB'+09.55	LT	---	---	1	---

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CON'T. ABOVE

MGS GUARDRAIL SUMMARY CON'T.

CATEGORY	STATION	-	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF*	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
0010	1470'SB'+99.34	-	---	LT	---	---	---	1
	1470'SB'+99.34	-	1473'SB'+36.82	LT	237.5	---	---	---
	1473'SB'+36.82	-	1473'SB'+89.88	LT	---	---	1	---
	1495'SB'+58.61	-	1495'SB'+98.00	LT	---	39.4	---	---
	1495'SB'+98.00	-	1498'SB'+35.51	LT	237.5	---	---	---
	1498'SB'+35.51	-	1498'SB'+88.59	LT	---	---	1	---
	1504'SB'+68.66	-	---	LT	---	---	---	1
	1504'SB'+68.66	-	1519'SB'+06.16	LT	1,437.5	---	---	---
	1519'SB'+06.16	-	1519'SB'+59.29	LT	---	---	1	---
	1521'SB'+82.98	-	---	LT	---	---	---	1
	1521'SB'+82.98	-	8'WI-A'+18.17	LT	1,200.0	---	---	---
	1530'SB'+34.27	-	---	LT	---	---	---	1
	1530'SB'+34.27	-	1534'SB'+09.26	LT	375.0	---	---	1
	1534'SB'+09.26	-	1534'SB'+48.66	LT	---	39.4	---	1
	1241'II-B'+99.44	-	1242'II-B'+52.54	RT	---	---	1	---
	1242'II-B'+52.54	-	1246'II-B'+52.54	RT	400.0	---	---	---
	1246'II-B'+52.54	-	---	RT	---	---	---	1
	1422'BB-A+65.85	-	---	LT	---	---	---	1
	1422'BB-A'+65.85	-	1425'BB-A'+90.85	LT	325.0	---	---	---
	1425'BB-A'+90.85	-	1426'BB-A'+43.94	LT	---	---	1	---
	1420'BB-B'+20.29	-	1420'BB-B'+72.01	LT	---	---	1	---
	1420'BB-B'+72.01	-	1425'BB-B'+10.04	LT	437.5	---	---	---
	1425'BB-B'+10.04	-	---	LT	---	---	---	1
	1483'CA-A'+06.98	-	1483'CA-A'+46.38	LT	---	39.4	---	---
	1483'CA-A'+46.38	-	1486'CA-A'+08.88	LT	262.5	---	---	---
	1486'CA-A'+08.88	-	1486'CA-A'+62.00	LT	---	---	1	---
	18'CA-B'+38.39	-	18'CA-B'+77.79	RT	---	39.4	---	---
	18'CA-B'+77.79	-	21'CA-B'+02.79	RT	225.0	---	---	---
	21'CA-B'+02.79	-	---	RT	---	---	---	1
	22'CA-B'+90.41	-	23'CA-B'+43.51	RT	---	---	1	---
	23'CA-B'+43.51	-	24'CA-B'+06.00	RT	62.5	---	---	---
	24'CA-B'+06.00	-	---	RT	---	---	---	1
	22'CA-B'+78.66	-	23'CA-B'+31.75	LT	---	---	1	---
	23'CA-B'+31.75	-	24'CA-B'+06.74	LT	75.0	---	---	---
	24'CA-B'+06.74	-	---	LT	---	---	---	1
	1495'CA-C'+23.30	-	1495'CA-C'+76.22	RT	---	---	1	---
	1495'CA-C'+76.22	-	1497'CA-C'+01.16	RT	125.0	---	---	---
	1497'CA-C'+01.16	-	---	RT	---	---	---	1
	1495'CA-C'+73.99	-	1496'CA-C'+27.05	LT	---	---	1	---
	1496'CA-C'+27.05	-	1497'CA-C'77.04	LT	150.0	---	---	---
	1497'CA-C'77.04	-	---	LT	---	---	---	1
	24'CA-D'+16.47	-	---	RT	---	---	---	1
	24'CA-D'+16.47	-	24'CA-D'+78.93	RT	62.5	---	---	---
	24'CA-D'+78.93	-	25'CA-D'+32.05	RT	---	---	1	---
	24'CA-D'+33.15	-	---	LT	---	---	---	1
	24'CA-D'+33.15	-	27'CA-D'+45.65	LT	312.5	---	---	---
	27'CA-D'+45.65	-	27'CA-D'+98.78	LT	---	---	1	---
	8'WI-A'+18.17	-	8'WI-A'+71.22	LT	---	---	1	---
	32'WI-B'+12.08	-	32'WI-B'+65.21	LT	---	---	1	---
	32'WI-B'+65.21	-	33'WI-B'+52.68	LT	87.5	---	---	---
	33'WI-B'+52.68	-	---	LT	---	---	---	1
	32'WI-B'+24.56	-	32'WI-B'+77.68	RT	---	---	1	---
	32'WI-B'+77.68	-	33'WI-B'+52.68	RT	75.0	---	---	---
	33'WI-B'+52.68	-	---	RT	---	---	---	1
				TOTALS	14,300.0	788.0	33	23

FENCE CHAIN LINK 6-FT

CATEGORY	STATION	-	STATION	LOCATION	616.0206 LF
0010	1423'BB-B'+22	-	1423'BB-B'+99	LT	90
	1496'CA-C'+07	-	1497'CA-C'+06	RT	114
				TOTALS	204

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0010	1120-57-60	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	1120-57-60	0.98

TOPSOIL SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	625.0100 TOPSOIL SY
0010	UNDISTRIBUTED			LT/RT	760

SILT FENCE

CATEGORY	STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	1156'NB'+32	-	1166'NB'+03	RT	1010	1010
	1201'NB'+13	-	1201'NB'+89	RT	185	185
	1207'NB'+99	-	1215'NB'+76	RT	855	855
	1217'NB'+19	-	1217'NB'+79	RT	175	175
	1223'NB'+28	-	1226'NB'+78	RT	470	470
	1242'NB'+04	-	1246'NB'+86	RT	510	510
	1248'NB'+01	-	1254'NB'+53	RT	740	740
	1256'NB'+61	-	1261'NB'+96	RT	580	580
	1275'NB'+32	-	1276'NB'+19	RT	110	110
	1279'NB'+68	-	1280'NB'+52	RT	115	115
	1393'NB'+94	-	1396'NB'+33	RT	270	270
	1403'NB'+81	-	1407'NB'+58	RT	400	400
	1424'NB'+04	-	1427'NB'+70	RT	480	480
	1441'NB'+16	-	1445'NB'+76	RT	490	490
	1478'NB'+84	-	1482'NB'+14	RT	435	435
	1489'NB'+97	-	1493'NB'+68	RT	490	490
	1495'NB'+55	-	1499'NB'+82	RT	520	520
	1509'NB'+65	-	1526'NB'+63	RT	1700	1700
	1527'NB'+38	-	1534'NB'+72	RT	835	835
	1145'SB'+27	-	1146'SB'+22	LT	140	140
	1153'SB'+57	-	1153'SB'+57	LT	180	180
	1165'SB'+18	-	1165'SB'+70	LT	250	250
	1167'SB'+66	-	1171'SB'+12	LT	380	380
	1215'SB'+28	-	1215'SB'+61	LT	165	165
	1217'SB'+30	-	1221'SB'+99	LT	510	510
	1228'SB'+10	-	1235'SB'+38	LT	880	880
	1394'SB'+14	-	1396'SB'+31	LT	240	240
	1425'SB'+79	-	1426'SB'+39	LT	215	215
	1429'SB'+88	-	1433'SB'+33	LT	520	520
	1470'SB'+87	-	1474'SB'+11	LT	365	365
	1481'SB'+71	-	1482'SB'+03	LT	135	135
	1495'SB'+46	-	1499'SB'+15	LT	485	485
	1504'SB'+38	-	1519'SB'+79	LT	1570	1570
	1521'SB'+55	-	1525'SB'+65	LT	405	405
	1530'SB'+03	-	1534'SB'+60	LT	535	535
	31'WI-B'+83	-	33'WI-B'+74	LT	215	215
	32'WI-B'+07	-	33'WI-B'+77	RT	200	200
	1250'II-B'+78	-	1251'II-B'+25	RT	125	125
	1419'BB-B'+96	-	1425'BB-B'+40	LT	605	605
	1422'BB-A'+50	-	1426'BB-A'+56	LT	440	440
	1483'CA-A'+02	-	1487'CA-A'+00	LT	435	435
	18'CA-B'+41	-	21'CA-B'+27	RT	340	340
	22'CA-B'+44	-	24'CA-B'+27	LT	220	220
	22'CA-B'+67	-	24'CA-B'+28	RT	195	195
	1495'CA-C'+09	-	1496'CA-C'+41	RT	180	180
	1495'CA-C'+47	-	1497'CA-C'+28	LT	215	215
	23'CA-D'+95	-	25'CA-D'+56	RT	195	195
	24'CA-D'+06	-	28'CA-D'+18	LT	415	415
	0'WI-A'+00	-	8'WI-A'+91	LT	900	900
	104'NR'+84	-	106'NR'+03	RT	175	175
	UNDISTRIBUTED				2100	2100
				TOTALS	24,300	24,300

3

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	STAGE 1	0	1
	STAGE 2	1	1
	STAGE 3	2	2
	STAGE 4	1	2
	STAGE 5	1	1
	TOTALS	5	7

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7555 EACH
0010	1395'NB'-75	RT	3
	1165'JJ-B'+78	LT	3
	1427'BB-A'+00	RT	3
	18'CA-B'+35	RT	3
	29'CA-B'+00	LT	3
	9+'WI-A'+00	LT	3
	34'WI-B'+74	LT	3
	UNDISTRIBUTED		5
	TOTALS		26

FINISHING SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	1145'SB'+64	-	1146'SB'+06	LT	59	59	0.1	1.1	---	0.2
	1153'SB'+76	-	1153'SB'+91	LT	90	90	0.1	1.6	---	0.3
	1159'NB'+93	-	1160'NB'+08	RT	84	84	0.1	1.5	---	0.3
	1165'SB'+41	-	1165'SB'+56	LT	150	150	0.1	2.8	---	0.5
	1201'NB'+42	-	1201'NB'+57	RT	55	55	0.1	1.0	---	0.2
	1215'NB'+13	-	1215'NB'+73	RT	170	170	0.2	3.0	---	0.5
	1215'SB'+47	-	1215'SB'+62	LT	92	92	0.1	1.7	---	0.3
	1217'NB'+41	-	1217'NB'+56	RT	73	73	0.1	1.3	---	0.2
	1226'NB'+57	-	1226'NB'+72	RT	73	73	0.1	1.3	---	0.2
	1228'SB'+15	-	1228'SB'+73	LT	270	270	0.2	4.9	---	0.9
	1251'NB'+27	-	1251'NB'+44	RT	62	62	0.1	1.1	---	0.2
	1250'II-B'+92	-	1251'II-B'+07	RT	76	76	0.1	1.4	---	0.2
	1253'NB'+80	-	1254'NB'+40	RT	210	210	0.2	3.8	---	0.7
	1256'NB'+65	-	1256'NB'+80	RT	25	25	0.1	0.5	---	0.1
	1260'NB'+17	-	1260'NB'+32	RT	39	39	0.1	0.7	---	0.1
	1270'NB'+22	-	1270'NB'+38	RT	25	25	0.1	0.5	---	0.1
	1420'BB-B'+20	-	1423'BB-B'+67	LT	430	430	0.3	7.7	---	1.4
	104'NR'+96	-	106'NR'+01	RT	280	280	0.2	5.0	---	0.9
	1426'SB'+01	-	1426'SB'+16	LT	97	97	0.1	1.7	---	0.3
	1427'NB'+06	-	1427'NB'+69	RT	210	210	0.2	3.7	---	0.7
	1430'SB'+01	-	1430'SB'+16	LT	97	97	0.1	1.7	---	0.3
	1481'NB'+51	-	1482'NB'+10	RT	170	170	0.2	3.0	---	0.5
	1481'SB'+90	-	1482'SB'+05	LT	68	68	0.1	1.2	---	0.2
	1483'NB'+98	-	1484'NB'+13	RT	51	51	0.1	0.9	---	0.2
	1493'NB'+28	-	1493'NB'+43	RT	91	91	0.1	1.6	---	0.3
	1495'NB'+69	-	1496'NB'+28	RT	200	200	0.2	3.5	---	0.6
	1495'SB'+61	-	1496'SB'+20	LT	240	240	0.2	4.2	---	0.8
	1495'CA-C'+90	-	1496'CA-C'+50	RT	190	190	0.2	3.4	---	0.6
	1496'CA-C'+76	-	1497'CA-C'+27	LT	100	100	0.1	1.8	---	0.3
	1524'SB'+16	-	1524'SB'+31	LT	50	50	0.1	0.9	---	0.2
	1534'NB'+00	-	1534'NB'+59	RT	210	210	0.2	3.7	---	0.7
	1533'SB'+88	-	1534'SB'+47	LT	170	170	0.2	3.1	---	0.6
	UNDISTRIBUTED				840	840	0.9	15	10	3.4
	TOTALS				5,047	5,047	5.4	90.3	10	17.0

PORTABLE AUTOMATED REAL-TIME TRAFFIC QUEUE WARNING SYSTEM (QWS)

CATEGORY	LOCATION	STAGE	PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)	PORTABLE TRAFFIC SENSORS (PTS)	643.1200.S DAY
0010	IH 41 NB	ALL	16	17	214
	IH 41 SB	ALL	22	23	214
	USH 10 EB	ALL	6	7	214
	USH 10 WB	ALL	6	7	214
		TOTAL	50	54	856

* THESE ITEMS ARE PART OF THE QWS AND ARE PAID FOR ONE COMPLETE SYSTEM PER ROADWAY

TRAFFIC CONTROL SIGNS FIXED MESSAGE

CATEGORY	STAGE	LOCATION	SIGN MESSAGE	WIDTH X HEIGHT	NO. SIGNS	643.1000 SF*
0010	3C	STA. 1282'SB'+00, LT/RT	MOTORCYCLES USE LEFT OR CENTER LANE	96 X 54	2	72.0
	4A	RAMP MS-A DETOUR	MAIN ST	36 X 12	8	24.0
			MAIN ST	24 X 12	5	10.0
	4B	STA. 1272'SB'+00, LT/RT	MOTORCYCLES USE LEFT OR CENTER LANE	96 X 54	2	72.0
	5D	STA. 1291'SB'+00, LT/RT	MOTORCYCLES USE LEFT OR CENTER LANE	96 X 54	2	72.0
				TOTAL		250.0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL PROJECT

CATEGORY	PROJECT	643.5000 EACH
0010	1120-57-60	0.98

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	1120-57-60	0.98

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH
0010	1119'NB'+54	RT	---	1	---
	1119'NB'+55	LT	---	1	---
	1123'NB'+13	RT	---	1	---
	1123'NB'+14	LT	---	1	---
	1123'NB'+29	RT	---	1	---
	1123'NB'+30	LT	---	1	---
	1129'NB'+12	RT	---	1	---
	1129'NB'+12	LT	---	1	---
	1134'NB'+69	LT	---	1	---
	1140'NB'+55	LT	---	1	---
	1146'NB'+07	LT	---	1	---
	1148'NB'+05	LT	---	1	---
	1154'NB'+13	LT	---	1	---
	1160'NB'+00	LT	---	1	---
	1165'NB'+85	RT	---	1	---
	1180'NB'+78	LT	---	1	---
	1185'NB'+78	LT	---	1	---
	1190'NB'+16	LT	---	1	---
	1190'NB'+28	LT	---	1	---
	1195'NB'+27	LT	---	1	---
	1199'NB'+35	LT	---	1	---
	1201'NB'+50	LT	---	1	---
	1206'NB'+21	LT	---	1	---
	1211'NB'+78	LT	---	1	---
	1215'NB'+29	RT	---	1	---
	1215'NB'+66	RT	---	1	---
	1217'NB'+43	LT	---	1	---
	1226'NB'+63	LT	---	1	---
	1228'NB'+36	RT	---	1	---
	1232'NB'+30	LT	---	1	---
	1237'NB'+30	LT	---	1	---
	1241'NB'+15	LT	---	1	---
	1241'NB'+82	LT	---	1	---
	1253'NB'+95	RT	---	1	---
	1254'NB'+33	RT	---	1	---
	1256'NB'+81	LT	---	1	---
	1260'NB'+27	LT	---	1	---
	1266'NB'+30	RT	---	1	---
	1273'NB'+17	RT	---	1	---
	1274'NB'+36	RT	---	1	---
	1275'NB'+69	RT	---	1	---
	1278'NB'+69	RT	---	1	---
	1280'NB'+09	LT	---	1	---
	1280'NB'+09	RT	---	1	---
	1281'NB'+64	RT	---	1	---
	1284'NB'+00	RT	---	1	---
	1284'NB'+04	LT	---	1	---
	1286'NB'+41	RT	---	1	---
	1287'NB'+61	RT	---	1	---
	1289'NB'+08	LT	---	1	---
	1289'NB'+12	RT	---	1	---
	1291'NB'+09	RT	---	1	---
	1293'NB'+07	LT	---	1	---
	1293'NB'+10	RT	---	1	---
	1294'NB'+76	RT	---	1	---
	1296'NB'+06	RT	---	1	---
	1299'NB'+04	LT	---	1	---
	1299'NB'+11	RT	---	1	---
	1299'NB'+70	RT	---	1	---
	1301'NB'+68	RT	---	1	---

CON'T. ABOVE

INLET PROTECTION (CON'T.)

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH
0010	1303'NB'+98	RT	---	1	---
	1304'NB'+39	LT	---	1	---
	1310'NB'+17	LT	---	1	---
	1316'NB'+08	LT	---	1	---
	1324'NB'+28	LT	---	1	---
	1330'NB'+14	LT	---	1	---
	1333'NB'+18	RT	---	1	---
	1336'NB'+20	RT	---	1	---
	1337'NB'+57	LT	---	1	---
	1338'NB'+71	RT	---	1	---
	1344'NB'+07	RT	---	1	---
	1344'NB'+24	LT	---	1	---
	1346'NB'+85	RT	---	1	---
	1348'NB'+12	RT	---	1	---
	1351'NB'+66	LT	---	1	---
	1356'NB'+95	LT	---	1	---
	1357'NB'+09	RT	---	1	---
	1357'NB'+15	LT	---	1	---
	1359'NB'+34	RT	---	1	---
	1360'NB'+36	LT	---	1	---
	1361'NB'+38	LT	---	1	---
	1361'NB'+39	RT	---	1	---
	1362'NB'+36	LT	---	1	---
	1362'NB'+95	RT	---	1	---
	1365'NB'+95	RT	---	1	---
	1366'NB'+21	LT	---	1	---
	1367'NB'+72	RT	---	1	---
	1373'NB'+20	LT	---	1	---
	1388'NB'+37	LT	---	1	---
	1393'NB'+27	LT	---	1	---
	1395'NB'+08	LT	---	1	---
	1395'NB'+78	LT	---	1	---
	1400'NB'+30	LT	---	1	---
	1408'NB'+14	LT	---	1	---
	1409'NB'+27	LT	---	1	---
	1410'NB'+28	LT	---	1	---
	1420'NB'+39	LT	---	1	---
	1427'NB'+22	RT	---	1	---
	1427'NB'+62	RT	---	1	---
	1442'NB'+34	LT	---	1	---
	1445'NB'+41	LT	---	1	---
	1446'NB'+39	LT	---	1	---
	1453'NB'+36	LT	---	1	---
	1456'NB'+36	RT	---	1	---
	1461'NB'+37	RT	---	1	---
	1461'NB'+37	LT	---	1	---
	1466'NB'+37	RT	---	1	---
	1466'NB'+37	LT	---	1	---
	1472'NB'+52	LT	---	1	---
	1481'NB'+67	RT	---	1	---
	1482'NB'+01	RT	---	1	---
	1484'NB'+06	LT	---	1	---
	1493'NB'+36	LT	---	1	---
	1495'NB'+77	RT	---	1	---
	1496'NB'+13	RT	---	1	---
	1507'NB'+88	LT	---	1	---
	1508'NB'+94	LT	---	1	---
	1510'NB'+36	LT	---	1	---
	1524'NB'+35	LT	---	1	---
	1534'NB'+15	RT	---	1	---

CON'T. ON NEXT PAGE

INLET PROTECTION (CON'T.)

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH
0010	1534'NB'+52	RT	---	1	---
	1119'SB'+45	RT	---	1	---
	1123'SB'+20	RT	---	1	---
	1123'SB'+37	RT	---	1	---
	1129'SB'+03	RT	---	1	---
	1146'SB'+09	LT	---	1	---
	1153'SB'+83	RT	---	1	---
	1159'SB'+71	RT	---	1	---
	1165'SB'+49	RT	---	1	---
	1174'SB'+84	RT	---	1	---
	1180'SB'+72	RT	---	1	---
	1185'SB'+72	RT	---	1	---
	1190'SB'+10	RT	---	1	---
	1190'SB'+22	RT	---	1	---
	1195'SB'+22	RT	---	1	---
	1199'SB'+29	RT	---	1	---
	1206'SB'+16	RT	---	1	---
	1211'SB'+72	RT	---	1	---
	1215'SB'+54	LT	---	1	---
	1217'SB'+38	RT	---	1	---
	1226'SB'+56	RT	---	1	---
	1228'SB'+22	LT	---	1	---
	1228'SB'+58	LT	---	1	---
	1232'SB'+24	RT	---	1	---
	1236'SB'+11	LT	---	---	1
	1237'SB'+24	RT	---	1	---
	1238'SB'+50	LT	---	---	1
	1241'SB'+09	RT	---	1	---
	1241'SB'+09	LT	---	---	1
	1241'SB'+76	RT	---	1	---
	1243'SB'+35	LT	---	---	1
	1246'SB'+01	LT	---	---	1
	1246'SB'+03	RT	---	1	---
	1247'SB'+70	LT	---	1	---
	1250'SB'+72	LT	---	1	---
	1251'SB'+33	RT	---	1	---
	1253'SB'+61	LT	---	1	---
	1256'SB'+82	RT	---	1	---
	1257'SB'+25	LT	---	1	---
	1260'SB'+28	RT	---	1	---
	1266'SB'+35	RT	---	1	---
	1270'SB'+48	RT	---	1	---
	1275'SB'+73	RT	---	1	---
	1278'SB'+97	LT	---	1	---
	1280'SB'+37	RT	---	1	---
	1283'SB'+89	LT	---	1	---
	1284'SB'+32	RT	---	1	---
	1286'SB'+61	LT	---	1	---
	1288'SB'+31	LT	---	1	---
	1289'SB'+36	RT	---	1	---
	1290'SB'+22	LT	---	1	---
	1291'SB'+71	LT	---	1	---
	1293'SB'+34	RT	---	1	---
	1293'SB'+39	LT	---	1	---
	1296'SB'+30	LT	---	1	---
	1298'SB'+80	LT	---	1	---
	1310'SB'+26	RT	---	1	---
	1316'SB'+18	RT	---	1	---
	1324'SB'+37	RT	---	1	---
	1330'SB'+23	RT	---	1	---

CON'T. ABOVE

INLET PROTECTION (CON'T.)

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH
0010	1337'SB'+68	RT	---	1	---
	1344'SB'+03	RT	---	1	---
	1351'SB'+77	RT	---	1	---
	1355'SB'+25	LT	---	1	---
	1355'SB'+37	LT	---	1	---
	1356'SB'+19	LT	---	1	---
	1357'SB'+19	LT	---	1	---
	1358'SB'+20	LT	---	1	---
	1359'SB'+21	LT	---	1	---
	1360'SB'+15	LT	---	1	---
	1360'SB'+56	LT	---	1	---
	1362'SB'+22	LT	---	1	---
	1364'SB'+24	LT	---	1	---
	1366'SB'+22	RT	---	1	---
	1373'SB'+22	RT	---	1	---
	1393'SB'+14	LT	---	---	1
	1394'SB'+84	LT	---	---	1
	1394'SB'+96	RT	---	---	1
	1394'SB'+97	LT	---	1	---
	1395'SB'+66	RT	---	1	---
	1398'SB'+13	LT	---	---	1
	1398'SB'+26	LT	---	---	1
	1400'SB'+18	RT	---	1	---
	1408'SB'+02	RT	---	1	---
	1420'SB'+14	RT	---	1	---
	1426'SB'+07	RT	---	1	---
	1430'SB'+08	RT	---	1	---
	1437'SB'+23	RT	---	1	---
	1442'SB'+22	RT	---	1	---
	1445'SB'+29	RT	---	1	---
	1446'SB'+27	RT	---	1	---
	1453'SB'+24	RT	---	1	---
	1461'SB'+25	RT	---	1	---
	1466'SB'+25	RT	---	1	---
	1472'SB'+39	RT	---	1	---
	1481'SB'+98	LT	---	1	---
	1483'SB'+94	RT	---	1	---
	1493'SB'+24	RT	---	1	---
	1495'SB'+68	LT	---	1	---
	1496'SB'+04	LT	---	1	---
	1507'SB'+76	RT	---	1	---
	1508'SB'+82	RT	---	1	---
	1510'SB'+24	RT	---	1	---
	1524'SB'+24	RT	---	1	---
	1534'SB'+03	LT	---	1	---
	1534'SB'+39	LT	---	1	---
	1212'MS-A'+03	LT	---	---	1
	1251'II-A'+08	RT	---	1	---
	1250'II-B'+99	LT	1	---	---
	1250'II-B'+99	LT	---	---	1
	1258'II-C'+18	LT	1	1	---
	1258'II-C'+18	RT	---	1	---
	1260'II-C'+90	RT	---	1	---
	1262'II-C'+40	RT	---	1	---
	1257'II-D'+46	RT	---	1	---
	TOTALS		2	222	12

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	DURATION DAYS	LOCATION	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY*	643.0910 COVERING SIGNS TYPE I EACH	643.0910 COVERING SIGNS TYPE I CYCLES	643.0910 COVERING SIGNS TYPE I EACH*	643.0920 COVERING SIGNS TYPE II EACH	643.0920 COVERING SIGNS TYPE II CYCLES	643.0920 COVERING SIGNS TYPE II EACH*	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAY*	643.1070 CONES 42-INCH EACH	643.1070 CONES 42-INCH DAY
0010	PRE-WARN	7	IH 41 NB / SB	20	140	0	0	0	0	0	0	0	0	0	0	0	---	0	0	---	0	4	28	0	0
			PRE-WARN TOTAL		140		0		0		0		0		0			0			0		28		0
	1A	2	IH 41 NB / SB, MID. SEGMENT	822	1,644	50	100	100	200	392	784	6	12	111	222	0	---	0	2	2	4	0	0	0	0
	1B	2	IH 41 NB / SB, MID. SEGMENT	526	1,052	32	64	64	128	108	216	6	12	80	160	0	---	0	2	2	4	0	0	0	0
			STAGE 1 TOTAL		2,696		164		328		1,000		24		382			0			8		0		0
	ALL	214	ADV. WARNING; IH 41 RAMPS	0	0	0	0	0	0	0	0	0	0	36	7,704	0	---	0	0	---	0	0	0	0	0
	2	---	IH 41 NB, S. SEGMENT	1,362	1,362	41	41	82	82	566	566	40	40	233	233	2	1	2	0	---	0	19	19	0	0
	2	---	IH 41 NB, N. SEGMENT	367	367	13	13	26	26	134	134	11	11	72	72	2	1	2	0	---	0	4	4	0	0
	2	---	IH 41 SB, S. SEGMENT	663	663	26	26	52	52	266	266	24	24	162	162	2	1	2	0	---	0	8	8	0	0
	2	---	IH 41 SB, N. SEGMENT	246	246	7	7	14	14	106	106	9	9	54	54	0	---	0	0	---	0	3	3	0	0
			STAGE 2 TOTAL		2,638		87		174		1,072		84		8,225			6			0		34		0
	3A	2	IH 41 NB / SB	818	1,636	58	116	116	232	56	112	8	16	150	300	0	---	0	12	2	24	0	0	0	0
	3B	70	IH 41 NB, RAMP II-C DETOUR	193	13,510	25	1,750	50	3,500	33	2,310	2	140	111	7,770	3	1	3	5	1	5	1	7	0	0
	3B	14	IH 41 SB, RAMP II-D DETOUR	412	5,768	21	294	42	588	105	1,470	3	42	91	1,274	5	1	5	1	1	1	2	21	0	0
	3C	60	IH 41 NB, RAMP II-C DETOUR	177	10,620	23	1,380	46	2,760	30	1,800	2	120	108	6,480	3	1	3	5	1	5	1	60	0	0
	3C	14	IH 41 SB	333	4,662	14	196	28	392	60	840	4	56	52	728	0	---	0	0	---	0	0	0	0	0
			STAGE 3 TOTAL		36,196		3,736		7,472		6,532		374		16,552			11			35		88		0
	4A	14	IH 41 NB, S. SEGMENT	476	6,664	52	728	104	1,456	89	1,246	3	42	97	1,358	1	1	1	0	---	0	2	14	0	0
	4A	14	RAMP JJ-B DETOUR	0	0	0	0	0	0	0	0	0	0	63	882	3	1	3	1	1	1	2	21	0	0
	4A	14	IH 41 NB, N. SEGMENT	396	5,544	16	224	32	448	80	1,120	2	28	63	882	3	1	3	0	---	0	0	0	0	0
	4A	14	IH 41 SB, S. SEGMENT	504	7,056	36	504	72	1,008	156	2,184	5	70	84	1,176	0	---	0	0	---	0	0	0	0	0
	4A	14	RAMP JJ-A DETOUR	0	0	0	0	0	0	0	0	0	0	44	616	0	---	0	6	1	6	1	7	0	0
	4A	14	RAMP MS-B DETOUR	0	0	0	0	0	0	0	0	0	0	29	406	4	1	4	1	1	1	1	7	0	0
	4A	14	IH 41 SB, N. SEGMENT	368	5,152	11	154	22	308	72	1,008	2	28	56	784	2	1	2	0	---	0	0	0	0	0
	4B	14	IH 41 NB, S. SEGMENT	286	4,004	39	546	78	1,092	46	644	2	28	93	1,302	0	---	0	0	---	0	0	0	0	0
	4B	14	IH 41 NB, N. SEGMENT	236	3,304	15	210	30	420	39	546	2	28	54	756	0	---	0	0	---	0	0	0	0	0
	4B	14	IH 41 SB, S. SEGMENT	379	5,306	30	420	60	840	86	1,204	4	56	81	1,134	0	---	0	0	---	0	0	0	0	0
	4B	14	IH 41 SB, N. SEGMENT	289	4,046	15	210	30	420	55	770	2	28	56	784	0	---	0	0	---	0	0	0	0	0
	4C	20	IH 41 NB / SB	1,770	35,400	112	2,240	224	4,480	516	10,320	12	240	265	5,300	0	---	0	12	20	240	0	0	0	0
	4D	10	IH 41 NB / SB	1,314	13,140	86	860	172	1,720	268	2,680	12	120	220	2,200	0	---	0	12	10	120	0	0	0	0
			STAGE 4 TOTAL		89,616		6,096		12,192		21,722		668		17,580			13			368		49		0

CON'T. ON NEXT PAGE

TRAFFIC CONTROL SUMMARY (CON'T.)

CATEGORY	STAGE	DURATION DAYS	LOCATION	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY*	643.0910 COVERING SIGNS TYPE I EACH	643.0910 COVERING SIGNS TYPE I CYCLES	643.0910 COVERING SIGNS TYPE I EACH*	643.0920 COVERING SIGNS TYPE II EACH	643.0920 COVERING SIGNS TYPE II CYCLES	643.0920 COVERING SIGNS TYPE II EACH*	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAY*	643.1070 CONES 42-INCH EACH	643.1070 CONES 42-INCH DAY
0010	5A	15	IH 41 NB / SB, S. SEGMENT	992	14,880	64	960	128	1,920	262	3,930	6	90	145	2,175	0	---	0	6	15	90	0	0	0	0
	5A	5	IH 41 NB / SB, MID. SEGMENT	826	4,130	48	240	96	480	304	1,520	6	30	114	570	0	---	0	2	5	10	0	0	0	0
	5A	10	IH 41 NB / SB, N. SEGMENT	836	8,360	50	500	100	1,000	304	3,040	6	60	130	1,300	0	---	0	4	10	40	0	0	0	0
	5B	10	IH 41 NB / SB, S. SEGMENT	752	7,520	50	500	100	1,000	134	1,340	6	60	118	1,180	0	---	0	6	10	60	0	0	0	0
	5B	5	IH 41 NB / SB, MID. SEGMENT	586	2,930	36	180	72	360	160	800	6	30	110	550	0	---	0	2	5	10	0	0	0	0
	5B	5	IH 41 NB / SB, N. SEGMENT	596	2,980	38	190	76	380	160	800	6	30	112	560	0	---	0	4	5	20	0	0	0	0
	5C	7	IH 41 NB / SB, S. SEGMENT	600	4,200	39	273	78	546	142	994	6	42	203	1,421	7	1	7	5	1	5	3	21	191	1,337
	5D	7	IH 41 NB / SB, S. SEGMENT	507	3,549	25	175	50	350	72	504	5	35	144	1,008	3	1	3	5	1	5	1	7	192	1,344
			STAGE 5 TOTAL		48,549		3,018		6,036		12,928		377		8,764			10			240		28		2,681
	6A	5	USH 10 WB	197	985	7	35	14	70	33	165	2	10	19	95	0	---	0	1	5	5	0	0	0	0
	6B	10	USH 10 WB	225	2,250	6	60	12	120	27	270	3	30	18	180	0	---	0	1	10	10	0	0	0	0
	6C	5	USH 10 WB	101	505	3	15	6	30	14	70	2	10	13	65	0	---	0	1	5	5	0	0	0	0
	6D	5	IH 41 NB RAMP TO USH 10 EB	73	365	3	15	6	30	15	75	2	10	34	170	0	---	0	1	5	5	0	0	0	0
	6E	5	IH 41 NB RAMP TO USH 10 EB	110	550	3	15	6	30	20	100	2	10	14	70	0	---	0	1	5	5	0	0	0	0
	6F	5	USH 10 EB	87	435	2	10	4	20	14	70	2	10	15	75	0	---	0	1	5	5	0	0	0	0
	6G	5	USH 10 EB; IH 41 SB RAMP TO USH 10 EB	211	1,055	14	70	28	140	43	215	2	10	29	145	0	---	0	1	5	5	3	17	0	0
	6H	21	USH 10 WB RAMP TO IH 41 NB	131	2,751	8	168	16	336	29	609	2	42	83	1,743	3	1	3	1	1	1	1	7	0	0
	6I	5	IH 41 NB RAMP TO USH 10 WB	24	120	4	20	8	40	17	85	0	0	4	20	0	---	0	1	1	1	1	7	0	0
	6J	5	USH 10 EB RAMP TO IH 41 NB	59	295	5	25	10	50	19	95	0	0	5	25	0	---	0	1	1	1	3	17	0	0
	6K	3	JACOBSEN ROAD	0	0	10	30	20	60	0	0	0	0	4	12	0	---	0	0	---	0	2	14	0	0
	6L, PH 1	2	IH 41 NB	151	302	5	10	10	20	65	130	5	10	24	48	0	---	0	0	---	0	0	0	0	0
	6L, PH 1	4	IH 41 SB	103	412	8	32	16	64	37	148	2	8	22	88	2	1	2	1	1	1	0	0	0	0
	6L, PH 2	2	IH 41 NB	170	340	4	8	8	16	65	130	4	8	29	58	0	---	0	0	---	0	0	0	0	0
	6M	3	IH 41 NB / SB	262	786	13	39	26	78	94	282	5	15	49	147	0	---	0	1	1	1	1	10	0	0
			STAGE 6 TOTAL		11,151		552		1,104		2,444		173		2,941			5			45		72		0
		10	NORTHERN ROAD	38	380	2	20	4	40	19	190	0	0	4	40	0	---	0	0	---	0	2	14	0	0
			NORTHERN ROAD TOTAL		380		20		40		190		0		40			0			0		14		0
			PROJECT SUBTOTAL		191,366		13,673		27,346		45,888		1,700		54,484			45			696		313		2,681
UNDISTRIBUTED		25	IH 41 NB / SB	1,550	38,750	100	2,500	200	5,000	400	10,000	10	250	250	6,250			2	12	25	300		30		135
			PROJECT TOTAL		230,116		16,173		32,346		55,888		1,950		60,734			47			996		343		2,816

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL DETOUR SIGN SUMMARY (SB I-41 ENTRANCE RAMP FROM COLLEGE AVE CLOSURE)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	NO OF CYCLES	643.0910 SIGNS COVERING TYPE I EACH*	643.0920 SIGNS COVERING TYPE II EACH*	REMARKS
1	STH 125, W. OF WESTHILL BLVD, PLACE 100' W. OF WESTHILL INTERSECTION IN MEDIAN	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	W 20-53A	48"X48"	1	14	14						
2	STH 125, W. OF WESTHILL BLVD, PLACE 100' W. OF WESTHILL INTERSECTION ON RIGHT SHOULDER	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	W 20-53A	48"X48"	1	14	14						
3	STH 125, E. OF I-41, PLACE 500' E. OF I-41 NB RAMP INTERSECTION IN MEDIAN	FMS	78"X36"	1			19.5					SEE SIGN DETAIL SHEET
4	STH 125, E. OF I-41, PLACE 500' E. OF I-41 NB RAMP INTERSECTION ON RIGHT SHOULDER	FMS	78"X36"	1			19.5					SEE SIGN DETAIL SHEET
5	STH 125, W. OF I-41 NB RAMP INTERSECTION, PLACE JUST W. OF NB RAMP INTERSECTION IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
6	STH 125, W. OF I-41 NB RAMP INTERSECTION, PLACE JUST W. OF NB RAMP INTERSECTION ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
7	STH 125, AT I-41, MODIFY EXISTING J2-1 SIGN AS SHOWN IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	MO 6-1	21"X21"	1	14	14						AHEAD
8	CTH CA, AT I-41 SB RAMP INTERSECTION, COVER EXISTING TYPE I SIGNS AS SHOWN								1	1		COVER "41 - SOUTH - DIRECTIONAL ARROW"
	"								1	1		COVER "41 - SOUTH - DIRECTIONAL ARROW"
9	CTH CA TO I-41 SB, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1				7				PLACE IN ADVANCE OF CLOSURE
10	CTH CA, AT I-41 SB RAMP INTERSECTION, MODIFY EXISTING J3-1 SIGN AS SHOWN	MO 4-5	24"X12"	1	14	14						
	"	MO 6-1	21"X21"	1	14	14						AHEAD
11	CTH CA, W. OF I-41 SB RAMP INTERSECTION, COVER EXISTING D1-72 SIGN AS SHOWN								1		1	COVER "SOUTH - KEEP RIGHT"
12	CTH CA, E. OF CASALOMA DR, PLACE 100' PRIOR TO INTERSECTION IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
13	CTH CA, E. OF CASALOMA DR, PLACE 100' PRIOR TO INTERSECTION ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
14	CTH CA, E. OF McCARTHY RD, PLACE 100' PRIOR TO RAB IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
15	CTH CA, E. OF McCARTHY RD, PLACE 100' PRIOR TO RAB ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
	PAGE SUBTOTALS			37		476	39	7		2	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T. ON NEXT PAGE

TRAFFIC CONTROL DETOUR SIGN SUMMARY (SB I-41 ENTRANCE RAMP FROM COLLEGE AVE CLOSURE) (CON'T.)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	NO OF CYCLES	643.0910 SIGNS COVERING TYPE I EACH*	643.0920 SIGNS COVERING TYPE II EACH*	REMARKS
16	CTH CA, E. OF MAYFLOWER RD, PLACE 100' PRIOR TO RAB IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
17	CTH CA, E. OF MAYFLOWER RD, PLACE 100' PRIOR TO RAB ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
18	CTH CA, E. OF CTH CB, PLACE 750' E. OF CTH CB INTERSECTION IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 5-1L	21"X21"	1	14	14						
19	CTH CA, E. OF CTH CB, PLACE 750' E. OF CTH CB INTERSECTION ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 5-1L	21"X21"	1	14	14						
20	CTH CA, E. OF CTH CB, PLACE 100' E. OF CTH CB INTERSECTION IN MEDIAN	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						LEFT
21	CTH CA, E. OF CTH CB, PLACE 100' E. OF CTH CB INTERSECTION ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						LEFT
22	CTH CB, N. OF CTH BB, PLACE 150' N. OF CTH BB INTERSECTION	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
23	CTH CB, N. OF SHADY LN, PLACE 150' N. OF SHADY LN INTERSECTION	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
24	CTH CB, N. OF AMERICAN DR, PLACE 150' N. OF AMERICAN DR INTERSECTION	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						AHEAD
25	CTH CB, AT US 10, PLACE JUST SOUTH OF US 10 WB RAMP INTERSECTION	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 5-1L	21"X21"	1	14	14						
26	CTH CB, AT US 10, PLACE AT US 10 EB RAMP INTERSECTION	MO 4-5	24"X12"	1	14	14						
	"	M 3-3	24"X12"	1	14	14						
	"	M 1-1	24"X24"	1	14	14						41
	"	MO 6-1	21"X21"	1	14	14						LEFT
27	US 10, E. OF COLD SPRINGS RD, PLACE 200' PRIOR TO I-41 EXIT RAMP ON RIGHT SHOUDLER	MO 4-5	36"X18"	1	14	14						
	"	M 3-3	36"X18"	1	14	14						
	"	M 1-1	36"X36"	1	14	14						41
	"	MO 6-2	30"X30"	1	14	14						TILT RIGHT
	PAGE SUBTOTALS			48		672	0	0		0	0	
	SB I-41 ENTRANCE RAMP FROM COLLEGE AVE CLOSURE TOTALS			85		1,148	39	7		2	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL DETOUR SIGN SUMMARY (NB I-41 EXIT RAMP TO COLLEGE AVE CLOSURE)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	NO OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH*	REMARKS
1	I-41 NB, PLACE 3000' S. OF US 10 INTERCHANGE IN MEDIAN	M 1-6	36"X36"	1	14	14					125
	"	W 20-53A	48"X48"	1	14	14					
2	I-41 NB, PLACE 3000' S. OF US 10 INTERCHANGE ON RIGHT SHOULDER	M 1-6	36"X36"	1	14	14					125
	"	W 20-53A	48"X48"	1	14	14					
3	I-41 NB, PLACE 2000' S. OF US 10 INTERCHANGE IN MEDIAN	FMS	120"X54"	1			45				SEE SIGN DETAIL SHEET
4	I-41 NB, PLACE 2000' S. OF US 10 INTERCHANGE ON RIGHT SHOULDER	FMS	120"X54"	1			45				SEE SIGN DETAIL SHEET
5	I-41 NB, PLACE 1000' S. OF US 10 INTERCHANGE IN MEDIAN	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 5-2R	30"X30"	1	14	14					
6	I-41 NB, PLACE 1000' S. OF US 10 INTERCHANGE ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 5-2R	30"X30"	1	14	14					
7	I-41 NB, PLACE 100' PRIOR TO US 10 EXIT IN MEDIAN	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-2	30"X30"	1	14	14					TILT RIGHT
8	I-41 NB, PLACE 100' PRIOR TO US 10 EXIT ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-2	30"X30"	1	14	14					TILT RIGHT
9	I-41 NB TO US 10 RAMP, PLACE 100' PRIOR TO US 10 EB/WB SPLIT ON LEFT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-2	30"X30"	1	14	14					TILT LEFT
10	US 10 WB, E. OF I-41, PLACE 1000' E. OF I-41 EXIT RAMPS ON RIGHT SHOULDER	M 1-6	36"X36"	1	14	14					125
	"	W 20-53A	48"X48"	1	14	14					
11	US 10 WB, E. OF I-41, PLACE 1000' E. OF I-41 EXIT RAMPS IN MEDIAN	M 1-6	36"X36"	1	14	14					125
	"	W 20-53A	48"X48"	1	14	14					
12	US 10 WB, E. OF I-41, PLACE 500' E. OF I-41 EXIT RAMPS ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-1	30"X30"	1	14	14					AHEAD
13	US 10 WB, E. OF I-41, PLACE 500' E. OF I-41 EXIT RAMPS IN MEDIAN	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-1	30"X30"	1	14	14					AHEAD
14	US 10 WB, AT I-41 EXIT RAMPS, PLACE JUST W. OF I-41 NB EXIT RAMP ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-1	30"X30"	1	14	14					AHEAD
15	I-41 NB, PLACE ON EXISTING TYPE I GROUND MOUNT SIGN AT CTH BB INTERCHANGE	G 20-60	108"X24"	1			18				CLOSED
16	US 10 WB, PLACE 750' E. OF CTH CB INTERCHANGE IN MEDIAN	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 5-2R	30"X30"	1	14	14					
17	US 10 WB, PLACE 750' E. OF CTH CB INTERCHANGE ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 5-2R	30"X30"	1	14	14					
18	US 10 WB, PLACE 150' E. OF CTH CB EXIT ON RIGHT SHOULDER	MO 4-5	36"X18"	1	14	14					
	"	M 1-6	36"X36"	1	14	14					125
	"	MO 6-2	30"X30"	1	14	14					TILT RIGHT
	PAGE SUBTOTALS			44		574	108	0		0	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T. ON NEXT PAGE

TRAFFIC CONTROL DETOUR SIGN SUMMARY (NB I-41 EXIT RAMP TO COLLEGE AVE CLOSURE) (CON'T.)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 14 DAYS	643.0900 SIGNS DAYS*	643.1000 SIGNS FIXED MESSAGE SF*	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS*	NO OF CYCLES	643.0920 SIGNS COVERING TYPE II EACH*	REMARKS
19	US 10 WB OFF-RAMP TO CTH CB, PLACE 750' PRIOR TO RAMP INTERSECTION ON RIGHT	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 5-1R	21"X21"	1	14	14					
20	US 10 WB OFF-RAMP TO CTH CB, PLACE 100' PRIOR TO RAMP INTERSECTION ON RIGHT	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					RIGHT
21	CTH CB, S. OF AMERICAN DR, PLACE 150' S. OF AMERICAN DR INTERSECTION	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
22	CTH CB, S. OF SHADY LN, PLACE 150' S. OF SHADY LN INTERSECTION	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
23	CTH CB, S. OF CTH BB, PLACE 150' S. OF CTH BB INTERSECTION	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
24	CTH CB, S. OF CTH CA, PLACE 750' PRIOR TO ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 5-1R	21"X21"	1	14	14					
25	CTH CB, S. OF CTH CA, PLACE 150' S. OF CTH CA INTERSECTION IN TERRACE	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					RIGHT
26	CTH CA, W. OF MAYFLOWER DR, PLACE 100' PRIOR TO RAB ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
27	CTH CA, W. OF MAYFLOWER DR, PLACE 100' PRIOR TO RAB IN MEDIAN	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
28	CTH CA, W. OF McCARTHY RD, PLACE 100' PRIOR TO RAB ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
29	CTH CA, W. OF McCARTHY RD, PLACE 100' PRIOR TO RAB IN MEDIAN	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
30	CTH CA, W. OF CASALOMA DR, PLACE 100' PRIOR TO INTERSECTION ON RIGHT SHOULDER	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
31	CTH CA, W. OF CASALOMA DR, PLACE 100' PRIOR TO INTERSECTION IN MEDIAN	MO 4-5	24"X12"	1	14	14					
	"	M 1-6	24"X24"	1	14	14					125
	"	MO 6-1	21"X21"	1	14	14					AHEAD
32	I-41 NB OFF-RAMP TO COLLEGE AVE, PLACE ON RIGHT SHOULDER, FIELD DETERMINE	PCMS		1				7			PLACE IN ADVANCE OF CLOSURE
33	I-41 NB, AT OFF-RAMP TO COLLEGE AVE, COVER EXISTING E5-1 SIGN IN GORE								1	1	COVER ENTIRE SIGN
34	I-41 NB, AT OFF-RAMP TO COLLEGE AVE, PLACE ON EXISTING TYPE I OH SIGN	G 20-60	108"X24"	1			18				CLOSED
35	I-41 NB, S. OF COLLEGE AVE, PLACE ON EXISTING TYPE I MEDIAN OH SIGN	G 20-63	108"X24"	1			18				RAMP CLOSED
36	I-41 NB, S. OF COLLEGE AVE, PLACE ON EXISTING TYPE I GROUND MOUNT GUIDE SIGN	G 20-63	108"X24"	1			18				RAMP CLOSED
	PAGE SUBTOTALS			43		546	54	7		1	
	NB I-41 EXIT RAMP TO COLLEGE AVE CLOSURE TOTALS			87		1,120	162	7		1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY MARKING LINE

CATEGORY	STAGE	STATION - STATION	LOCATION	643.3105 PAINT 4-INCH (WHITE) LF	643.3105 PAINT 4-INCH (YELLOW) LF	643.3170 EPOXY 6-INCH (WHITE) LF	643.3170 EPOXY 6-INCH (YELLOW) LF	643.3180 REMOVABLE TAPE 6-INCH (WHITE) LF	643.3180 REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3270 EPOXY 10-INCH (WHITE) LF	643.3280 REMOVABLE TAPE 10-INCH (WHITE) LF	643.3960 REMOVABLE MASK OUT TAPE 6-INCH LF	643.3970 REMOVABLE MASK OUT TAPE 10-INCH LF	COMMENT
0010	3B	1219'NB'+40 - 1226'NB'+00	RT	---	---	660	---	---	---	---	---	---	---	
		1236'NB'+20 - 1244'NB'+00	RT	---	---	200	---	---	---	385	---	---	---	
		1255'NB'+96 - 1280'NB'+55	LT/RT	---	---	4,780	2,360	650	---	---	---	---	---	
		1260'SB'+65 - 1278'SB'+33	LT/RT	---	---	2,930	1,370	545	275	---	---	---	---	
		1289'SB'+65 - 1316'SB'+60	LT	---	---	2,350	---	465		200	200	---	150	
		IH 41 / USH 10/ STH 441 INTERCHANGE		---	---	---	---	400	660	---	---	265	---	
		SUBTOTALS (STAGE 3B)		0	0	10,920	3,730	2,060	935	585	200	265	150	
	3C	1219'NB'+40 - 1226'NB'+00	RT	---	---	165	---	---	---	---	---	---	---	
		1231'NB'+88 - 1244'NB'+00	LT	---	---	190	660	---	---	---	---	---	---	
		1256'NB'+24 - 1280'NB'+00	RT	---	---	3,210	1,550	580	285	---	---	---	---	
		1261'SB'+25 - 1281'SB'+30	LT	---	---	4,440	1,750	805	270	---	---	---	---	
		1289'SB'+65 - 1320'SB'+56	LT	---	---	2,150	1,060	---	---	---	---	---	---	
	3C END	1231'NB'+88 - 1238'NB'+48	LT	---	---	165	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1256'NB'+51 - 1280'NB'+27	RT	---	---	1,340	2,070	285	285	430	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1261'SB'+25 - 1281'SB'+30	LT/RT	---	---	2,670	1,420	470	280	645	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1289'SB'+65 - 1320'SB'+56	LT/RT	---	---	565	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		SUBTOTALS (STAGE 3C)		0	0	14,895	8,510	2,140	1,120	1,075	0	0	0	
	4A	1094'NB'+00 - 1125'NB'+00	RT	---	---	1,555	350	---	---	250	---	---	---	
		1136'NB'+40 - 1173'NB'+89	LT/RT	---	---	6,770	3,300	675	340	---	---	---	---	
		1140'SB'+53 - 1177'SB'+59	LT/RT	---	---	6,560	3,370	675	335	---	---	---	---	
		1179'NB'+00 - 1203'NB'+00	RT	---	---	870	200	---	---	650	---	---	---	
		1179'SB'+00 - 1187'SB'+00	LT	---	---	200	---	---	---	400	---	---	---	
		1205'NB'+93 - 1234'NB'+07	LT/RT	---	---	5,000	2,420	575	285	---	---	---	---	
		1209'SB'+85 - 1237'SB'+66	LT/RT	---	---	4,820	2,490	575	285	---	---	---	---	
		1236'NB'+00 - 1244'NB'+00	RT	---	---	200	---	---	---	430	---	---	---	
		1237'SB'+50 - 1248'SB'+50	LT	---	---	1,040	300	---	---	200	---	---	---	
		1244'NB'+47 - 1263'NB'+60	LT/RT	---	---	3,380	1,650	415	210	---	---	---	---	
		1248'SB'+61 - 1266'SB'+10	LT/RT	---	---	3,570	1,430	690	210	305	---	---	---	
		1278'SB'+85 - 1316'SB'+60	LT	---	---	2,660	---	495	---	200	200	---	200	
		IH 41 / USH 10/ STH 441 INTERCHANGE		---	---	---	---	395	1,060	---	---	265	---	
		1392'NB'+90 - 1399'NB'+50	RT	---	---	660	---	---	---	---	---	---	---	
		1409'NB'+50 - 1435'NB'+69	LT/RT	---	---	4,070	1,500	360	180	510	---	---	---	
		1421'SB'+96 - 1439'SB'+61	LT/RT	---	---	3,110	1,470	360	180	---	---	---	---	
		1440'SB'+56 - 1448'SB'+48	LT	---	---	790	---	---	---	400	---	---	---	
		1445'NB'+00 - 1457'NB'+80	RT	---	---	385	200	---	---	200	---	---	---	
		1473'NB'+75 - 1501'NB'+60	LT/RT	---	---	4,900	2,350	610	305	---	---	---	---	
		1476'SB'+81 - 1507'SB'+00	LT/RT	---	---	5,040	2,440	615	305	375	---	---	---	
		1506'NB'+85 - 1522'NB'+35	RT	---	---	600	410	---	---	725	---	---	---	
		1520'SB'+18 - 1523'SB'+70	LT	---	---	355	200	---	---	200	---	---	---	
		1524'NB'+90 - 1542'NB'+90	LT/RT	---	---	3,160	1,460	390	195	---	---	---	---	
		1528'SB'+73 - 1552'SB'+72	LT/RT	---	---	3,860	1,460	390	195	275	---	---	---	
		1564'SB'+72 - 1571'SB'+32	LT	---	---	660	---	---	---	---	---	---	---	

CON'T. ON NEXT PAGE

TEMPORARY MARKING LINE (CON'T.)

CATEGORY	STAGE	STATION - STATION	LOCATION	643.3105 PAINT 4-INCH (WHITE) LF	643.3105 PAINT 4-INCH (YELLOW) LF	643.3170 EPOXY 6-INCH (WHITE) LF	643.3170 EPOXY 6-INCH (YELLOW) LF	643.3180 REMOVABLE TAPE 6-INCH (WHITE) LF	643.3180 REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3270 EPOXY 10-INCH (WHITE) LF	643.3280 REMOVABLE TAPE 10-INCH (WHITE) LF	643.3960 REMOVABLE MASK OUT TAPE 6-INCH LF	643.3970 REMOVABLE TAPE MASK OUT TAPE 10-INCH LF	COMMENT
0010	4A END	1094'NB'+00 - 1125'NB'+00	RT	---	---	435	---	---	---	595	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1136'NB'+40 - 1173'NB'+89	LT/RT	---	---	840	3,300	85	340	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1179'NB'+00 - 1203'NB'+00	RT	---	---	85	---	---	---	200	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1205'NB'+93 - 1234'NB'+07	LT/RT	---	---	620	2,420	70	285	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1236'NB'+00 - 1244'NB'+00	RT	---	---	200	---	---	---	45	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1244'NB'+47 - 1263'NB'+60	LT/RT	---	---	950	1,650	45	210	---	---	---	---	REESTABLISH STG. 3B LANE CONFIG.
		SUBTOTALS (STAGE 4A)		0	0	67,345	34,370	7,420	4,920	5,960	200	265	200	
	4B	1094'NB'+00 - 1127'NB'+00	LT	---	---	---	660	---	---	---	---	---	---	
		1136'NB'+68 - 1173'NB'+63	RT	---	---	6,220	3,360	670	335	310	---	---	---	
		1138'SB'+00 - 1177'SB'+20	LT	---	---	6,710	3,580	675	340	100	---	---	---	
		1179'SB'+04 - 1186'SB'+80	LT	---	---	195	---	---	---	---	---	---	---	
		1205'NB'+93 - 1234'NB'+07	RT	---	---	4,780	2,470	575	290	---	---	---	---	
		1209'SB'+85 - 1237'SB'+66	LT	---	---	4,280	2,410	1,035	290	75	---	---	---	
		1237'SB'+50 - 1247'SB'+75	LT	---	---	310	180	---	---	---	---	---	---	
		1244'NB'+74 - 1264'NB'+24	RT	---	---	3,350	1,740	420	210	---	---	---	---	
		1248'SB'+62 - 1273'SB'+11	LT	---	---	3,200	1,540	415	210	---	---	---	---	
		1298'SB'+00 - 1316'SB'+60	LT	---	---	565	1,060	---	---	795	---	---	---	
		IH 41 / USH 10/ STH 441 INTERCHANGE		---	---	---	---	---	660	---	---	165	---	
		1392'NB'+90 - 1418'NB'+00	RT	---	---	545	660	---	---	---	---	---	---	
		1418'NB'+00 - 1435'NB'+40	RT	---	---	2,930	1,550	365	180	---	---	---	---	
		1422'SB'+24 - 1439'SB'+38	LT	---	---	2,920	1,540	360	180	---	---	---	---	
		1440'SB'+00 - 1449'SB'+00	LT	---	---	335	---	---	---	---	---	---	---	
		1447'NB'+00 - 1458'NB'+00	RT	---	---	270	---	---	---	---	---	---	---	
		1473'SB'+37 - 1505'SB'+09	LT	---	---	4,750	2,870	500	305	---	105	---	---	
		1474'NB'+44 - 1501'NB'+32	RT	---	---	4,270	2,380	530	305	100	---	---	---	
		1505'SB'+37 - 1523'SB'+50	LT	---	---	70	---	---	---	505	---	---	---	
		1507'NB'+00 - 1522'NB'+27	RT	---	---	90	---	---	---	765	---	---	---	
		1525'NB'+17 - 1542'NB'+26	RT	---	---	2,860	1,520	390	195	---	---	---	---	
		1529'SB'+00 - 1546'SB'+09	LT	---	---	2,860	1,520	390	195	---	---	---	---	
		1546'SB'+09 - 1571'SB'+32	LT/RT	---	---	450	660	---	---	---	---	---	---	
	4B END	1121'NB'+40 - 1127'NB'+00	LT	---	---	165	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1136'NB'+83 - 1173'NB'+75	RT	---	---	3,940	---	450	---	725	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1138'SB'+00 - 1177'SB'+20	LT/RT	---	---	4,210	3,260	510	340	630	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1206'NB'+47 - 1233'NB'+52	RT	---	---	2,970	---	360	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1210'SB'+13 - 1237'SB'+38	LT/RT	---	---	2,950	2,385	280	290	390	235	---	---	REESTABLISH NORMAL LANE CONFIG.
		1244'NB'+89 - 1263'NB'+96	RT	---	---	2,260	---	260	---	---	---	---	---	REESTABLISH STG. 3C LANE CONFIG.
		1248'SB'+90 - 1266'SB'+16	LT/RT	---	---	1,890	1,430	315	210	320	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1278'SB'+80 - 1320'SB'+60	LT	---	---	795	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1402'NB'+40 - 1409'NB'+00	RT	---	---	165	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1418'NB'+00 - 1435'NB'+40	LT/RT	---	---	2,200	1,500	270	180	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1422'SB'+25 - 1439'SB'+34	LT/RT	---	---	1,980	1,470	270	180	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1473'SB'+64 - 1505'SB'+09	LT	---	---	2,640	2,440	320	305	205	140	---	---	REESTABLISH NORMAL LANE CONFIG.
		1474'NB'+09 - 1501'NB'+32	RT	---	---	3,340	2,330	350	305	230	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1525'NB'+17 - 1542'SB'+26	LT/RT	---	---	2,150	1,460	295	195	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1529'SB'+00 - 1546'SB'+04	LT/RT	---	---	2,150	1,450	295	195	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1554'SB'+75 - 1561'SB'+35	LT	---	---	165	---	---	---	---	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		SUBTOTALS (STAGE 4B)		0	0	85,930	47,425	10,300	5,895	5,150	480	165	0	

CON'T. ON NEXT PAGE

TEMPORARY MARKING LINE (CON'T.)

CATEGORY	STAGE	STATION	-	STATION	LOCATION	643.3105 PAINT 4-INCH (WHITE) LF	643.3105 PAINT 4-INCH (YELLOW) LF	643.3170 EPOXY 6-INCH (WHITE) LF	643.3170 EPOXY 6-INCH (YELLOW) LF	643.3180 REMOVABLE TAPE 6-INCH (WHITE) LF	643.3180 REMOVABLE TAPE 6-INCH (YELLOW) LF	643.3270 EPOXY 10-INCH (WHITE) LF	643.3280 REMOVABLE TAPE 10-INCH (WHITE) LF	643.3960 REMOVABLE MASK OUT TAPE 6-INCH LF	643.3970 REMOVABLE TAPE MASK OUT TAPE 10-INCH LF	COMMENT
0010	5A/5B	1114'NB'+00	-	1330'NB'+00	LT/RT	---	---	32,647	20,600	---	---	7,770	---	---	---	
		1330'NB'+00	-	1429'NB'+00	LT/RT	---	---	15,970	10,600	---	---	3,510	---	---	---	
		1429'NB'+00	-	1542'NB'+00	LT/RT	---	---	17,120	11,300	---	---	5,575	---	---	---	
		1118'SB'+90	-	1330'SB'+00	LT/RT	---	---	32,997	20,850	---	---	7,210	---	---	---	
		1330'SB'+00	-	1429'SB'+00	LT/RT	---	---	14,830	9,910	---	---	3,210	---	---	---	
		1429'SB'+00	-	1572'SB'+00	LT/RT	---	---	18,860	12,350	---	---	5,710	---	---	---	
		1155'JJA'+49	-	1166'JJA'+61	LT/RT	---	---	1,060	11,100	---	---	---	---	---	---	
		1155'JJB'+02	-	1166'JJB'+45	LT/RT	---	---	1,080	1,130	---	---	715	---	---	---	
		1167'JJC'+49	-	1175'JJC'+99	LT/RT	---	---	735	740	---	---	215	---	---	---	
		1166'JJD'+22	-	1176'JJD'+09	LT/RT	---	---	930	955	---	---	1,130	---	---	---	
		1206'MSA'+53	-	1216'MSA'+36	LT/RT	---	---	870	945	---	---	335	---	---	---	
		1204'MSB'+83	-	1214'MSB'+00	LT/RT	---	---	810	940	---	---	345	---	---	---	
		1247'IIA'+55	-	1254'IIA'+71	LT/RT	---	---	600	690	---	---	---	---	---	---	
		1248'IIB'+00	-	1255'IIB'+19	LT/RT	---	---	610	680	---	---	275	---	---	---	
		1255'IIC'+62	-	1263'IIC'+45	LT/RT	---	---	815	725	---	---	130	---	---	---	
		1254'IID'+88	-	1262'IID'+57	LT/RT	---	---	685	695	---	---	480	---	---	---	
		1420'BBA'+79	-	1429'BBA'+37	LT/RT	---	---	765	780	---	---	---	---	---	---	
		1420'BBB'+07	-	1428'BBB'+48	LT/RT	---	---	850	860	---	---	---	---	---	---	
		1429'BBC'+57	-	1438'BBC'+17	LT/RT	---	---	785	805	---	---	---	---	---	---	
		1428'BBD'+91	-	1436'BBD'+93	LT/RT	---	---	695	780	---	---	345	---	---	---	
		1484'CAA'+60	-	1494'CAA'+24	LT/RT	---	---	865	940	---	---	170	---	---	---	
		20'CAB'+53	-	29'CAB'+42	LT/RT	---	---	976	845	---	---	1,780	---	---	---	
		1494'CAC'+34	-	1502'CAC'+33	LT/RT	---	---	700	780	---	---	120	---	---	---	
		20'CAD'+00	-	28'CAD'+28	LT/RT	---	---	786	750	---	---	1,420	---	---	---	
		3'WIA'+19	-	9'WIA'+48	LT/RT	---	---	495	495	---	---	---	---	---	---	
		28'WIB'+41	-	35'WIB'+63	LT/RT	---	---	269	215	---	---	---	---	---	---	
		SUBTOTALS (STAGES 5A/5B)				0	0	147,805	111,460	0	0	40,445	0	0	0	
	5C	1219'NB'+40	-	1226'NB'+00	RT	---	---	660	---	---	---	---	---	---	---	
		1236'NB'+20	-	1244'NB'+00	RT	---	---	200	---	---	---	385	---	---	---	
		1255'NB'+00	-	1283'NB'+00	LT/RT	---	---	4,660	2,300	845	375	---	---	---	---	
		1259'SB'+66	-	1287'SB'+30	LT/RT	---	---	4,920	2,370	550	275	---	---	---	---	
		1289'SB'+65	-	1316'SB'+60	LT	---	---	2,200	200	295	---	200	200	---	150	
		IH 41 / USH 10/ STH 441 INTERCHANGE				---	---	---	---	400	1,060	---	---	265	---	
		SUBTOTALS (STAGE 5C)				0	0	12,640	4,870	2,090	1,710	585	200	265	150	
	5D	1231'NB'+88	-	1238'NB'+48	LT	---	---	---	660	---	---	---	---	---	---	
		1255'NB'+00	-	1267'NB'+00	RT	---	---	2,030	1,010	245	155	---	---	---	---	
		1260'SB'+00	-	1287'SB'+00	LT	---	---	6,140	2,370	---	---	---	---	---	---	
		1298'SB'+00	-	1320'SB'+60	LT/RT	---	---	400	1,060	---	---	795	---	---	---	
		IH 41 / USH 10/ STH 441 INTERCHANGE				---	---	---	---	---	---	660	---	165	---	
		SUBTOTALS (STAGE 5D)				0	0	8,570	5,100	245	815	795	0	165	0	
	6H	IH 41 / USH 10/ STH 441 INTERCHANGE				---	---	---	---	660	---	---	---	165	---	
		SUBTOTALS (STAGE 6H)				0	0	0	0	660	0	0	0	165	0	
	6L, PH1	1318'NB'+60	-	1363'NB'+14	RT	---	---	2,570	500	---	---	265	---	---	---	
		1353'SB'+60	-	1391'SB'+64	LT/RT	---	---	4,870	1,300	90	45	345	---	---	---	
		SUBTOTALS (STAGE 6L, PH1)				0	0	7,440	1,800	90	45	610	0	0	0	
	6L2, PH2	1351'NB'+45	-	1370'NB'+67	LT/RT	---	---	3,855	2,465	135	45	---	---	---	---	
		SUBTOTALS (STAGE 6L, PH2)				0	0	3,855	2,465	135	45	0	0	0	0	
	6M	1318'NB'+60	-	1367'NB'+65	LT/RT	---	---	2,345	1,715	90	45	200	---	---	---	
		1353'SB'+60	-	1391'SB'+64	LT/RT	---	---	3,875	2,435	90	45	410	---	---	---	
	6M END	1318'NB'+60	-	1370'NB'+67	LT/RT	---	---	2,085	1,465	---	---	1,125	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		1353'SB'+68	-	1391'SB'+64	LT/RT	---	---	2,785	1,345	---	---	595	---	---	---	REESTABLISH NORMAL LANE CONFIG.
		SUBTOTALS (STAGE 6M)				0	0	11,090	6,960	180	90	2,330	0	0	0	
		101'NR'+00	-	108'NR'+00	NORTHERN RD	1,270	1,300	---	---	---	---	---	---	---	---	
		SUBTOTALS (NORTHERN RD)				1,270	1,300	0	0	0	0	0	0	0	0	
		SUBTOTALS (PROJECT)				1,270	1,300	370,489	226,690	25,320	15,575	57,535	1,080	1,290	500	
		UNDISTRIBUTED				60	70	18,520	11,330	1,270	780	2,880	50	60	30	
		TOTALS				2,700		627,029		42,945		60,415	1,130	1,350	530	

3

MARKING REMOVAL LINE

CATEGORY	STAGE	STATION - STATION	LOCATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF
0010	3B	1255'NB'+96 - 1280'NB'+55	LT/RT	2,360	---
		1260'SB'+65 - 1278'SB'+33	LT/RT	1,380	275
		SUBTOTALS (STAGE 3B)		3,740	275
	3C	1256'NB'+00 - 1280'NB'+00	RT	215	---
		1261'SB'+25 - 1281'SB'+30	LT	1,220	270
		SUBTOTALS (STAGE 3C)		1,435	270
	4A	1136'NB'+40 - 1173'NB'+89	LT	3,300	340
		1140'SB'+53 - 1177'SB'+59	RT	3,240	340
		1205'NB'+93 - 1234'NB'+07	LT	2,420	285
		1209'SB'+85 - 1237'SB'+66	RT	2,380	290
		1244'NB'+47 - 1263'NB'+60	LT	940	210
		1248'SB'+61 - 1266'SB'+10	RT	995	210
		1418'NB'+00 - 1435'NB'+69	LT	1,500	180
		1421'SB'+96 - 1439'SB'+61	RT	1,470	180
		1473'NB'+75 - 1501'NB'+60	LT	2,350	305
		1476'SB'+81 - 1507'SB'+00	LT	2,440	305
		1524'NB'+90 - 1542'NB'+90	LT	1,460	195
		1528'SB'+73 - 1546'SB'+00	RT	1,450	195
		SUBTOTALS (STAGE 4A)		23,945	3,035
	4B	1137'NB'+00 - 1173'NB'+10	RT	2,800	335
		1141'SB'+90 - 1176'SB'+65	LT	2,810	340
		1206'NB'+75 - 1233'NB'+25	RT	2,360	290
		1210'SB'+65 - 1235'SB'+20	LT	1,440	135
		1248'NB'+00 - 1261'NB'+50	RT	1,160	210
		1249'SB'+00 - 1262'SB'+65	LT	1,140	210
		1419'NB'+50 - 1435'NB'+00	RT	1,320	180
		1422'SB'+75 - 1437'SB'+67	LT	1,310	180
		1475'NB'+00 - 1501'NB'+00	RT	2,030	195
		1484'SB'+00 - 1502'SB'+50	LT	1,630	195
		1525'NB'+50 - 1541'NB'+75	RT	1,400	195
		1529'SB'+50 - 1543'SB'+50	LT	1,190	195
		SUBTOTALS (STAGE 4B)		20,590	2,660
	5C	1255'NB'+00 - 1283'NB'+00	LT	220	---
		1259'SB'+66 - 1287'SB'+30	RT	895	---
		SUBTOTALS (STAGE 5C)		1,115	0
	5D	1260'SB'+00 - 1287'SB'+00	LT	535	---
		SUBTOTALS (STAGE 5D)		535	0
	6L, PH1	1360'SB'+20 - 1373'SB'+65	RT	1,300	45
		SUBTOTALS (STAGE 6L, PH1)		1,300	45
	6L, PH2	1356'NB'+01 - 1370'NB'+68	LT	1,425	45
		1357'NB'+24 - 1367'NB'+65	RT	1,005	45
		SUBTOTALS (STAGE 6L, PH2)		2,430	90
	6M	1361'SB'+30 - 1371'SB'+78	LT	1,005	45
		SUBTOTALS (STAGE 6M)		1,005	45
		101'NR'+00 - 108'NR'+00	NORTHERN RD	2,540	---
		SUBTOTALS (NORTHERN RD)		2,540	0
		SUBTOTALS (PROJECT)		58,635	6,420
		UNDISTRIBUTED		2,930	320
		TOTALS		61,565	6,740

MARKING REMOVAL LINE GROOVED CONTRAST PERMANENT TAPE

CATEGORY	STATION - STATION	LOCATION	646.9055 4-INCH LF	646.9155 8-INCH LF
0010	1094'NB'+00 - 1119'NB'+00	IH 41 ML	480	1,050
	1119'NB'+00 - 1330'NB'+00	IH 41 ML	14,250	8,340
	1330'NB'+00 - 1429'NB'+00	IH 41 ML	5,320	3,510
	1429'NB'+00 - 1542'NB'+00	IH 41 ML	5,820	5,570
	1118'SB'+90 - 1330'SB'+00	IH 41 ML	12,150	7,210
	1330'SB'+00 - 1429'SB'+00	IH 41 ML	4,950	3,210
	1429'SB'+00 - 1552'SB'+72	IH 41 ML	6,510	5,710
	1552'SB'+72 - 1571'SB'+32	IH 41 ML	330	---
	1155'JJA'+49 - 1166'JJA'+61	JJ-A RAMP	---	79
	1155'JJB'+02 - 1166'JJB'+45	JJ-B RAMP	---	715
	1167'JJC'+49 - 1175'JJC'+99	JJ-C RAMP	---	215
	1166'JJD'+22 - 1176'JJD'+09	JJ-D RAMP	---	1,130
	1206'MSA'+53 - 1216'MSA'+36	MS-A RAMP	---	335
	1204'MSB'+83 - 1214'MSB'+00	MS-B RAMP	---	345
	1248'IIB'+00 - 1255'IIB'+19	II-B RAMP	---	275
	1255'IIC'+62 - 1263'IIC'+45	II-C RAMP	165	130
	1254'IID'+88 - 1262'IID'+35	II-D RAMP	---	480
	1428'BBD'+91 - 1436'BBD'+93	BB-D RAMP	---	345
	1484'CAA'+60 - 1494'CAA'+24	CA-A RAMP	---	170
	20'CAB'+53 - 29'CAB'+42	CA-B RAMP	76	1,780
	1494'CAC'+34 - 1502'CAC'+33	CA-C RAMP	---	120
	20'CAD'+00 - 28'CAD'+28	CA-D RAMP	61	1,420
	28'WIB'+41 - 35'WIB'+63	WI-B RAMP	54	---
		TOTALS	50,166	42,139

PAVEMENT MARKING LINE GROOVED CONTRAST PERMANENT TAPE

CATEGORY	STATION - STATION	LOCATION	646.1555 4-INCH (12.5'SEG, 37.5'GAP) LF	646.3555 8-INCH (WHITE) LF	646.3555 8-INCH (WHITE) (3'SEG, 9'GAP) LF
0010	1094'NB'+00 - 1119'NB'+00	IH 41 ML	480	500	47
	1552'SB'+72 - 1571'SB'+32	IH 41 ML	330	---	---
	SUBTOTALS		810	500	47
	TOTALS		810	547	

MARKING REMOVAL SPECIAL MARKING WATER BLASTING

CATEGORY	STATION	LOCATION	646.9310 EACH	REMARKS
0010	1165'JJ-B'+88	RAMP JJ-B, LT	1	"ONLY" WORD
	1166'JJ-B'+27	RAMP JJ-B, LT	1	LEFT TURN ARROW
	1430'BB-D'+00	RAMP BB-D, LT	1	RIGHT TURN ARROW
		TOTALS	3	

MARKING REMOVAL PLOWABLE RAISED PAVEMENT MARKERS

CATEGORY	STATION	LOCATION	646.9400 EACH
0010	1162'JJB'+00	RAMP JJ-B	8
	1170'JJD'+25	RAMP JJ-D	8
	1211'MSA'+00	RAMP MS-A	8
	1207'MSB'+75	RAMP MS-B	8
	1425'BBB'+75	RAMP BB-B	7
	1434'BBD'+15	RAMP BB-D	8
	27'CAB'+00	RAMP CA-B	8
	23'CAD'+70	RAMP CA-D	6
		TOTALS	61

3

PAVEMENT MARKING LINE EPOXY

CATEGORY	STATION - STATION	LOCATION	646.1020 4-INCH (WHITE) LF	646.1020 4-INCH (DOUBLE YELLOW) LF	646.2020 6-INCH (WHITE) LF	646.2020 6-INCH (YELLOW) LF	646.2020 6-INCH (WHITE) (12.5'SEG, 37.5'GAP) LF	646.2020 6-INCH (BLACK) (12.5'SEG, 37.5'GAP) LF
0010	1114'NB'+00 - 1330'NB'+00	IH 41 ML	---	---	765	760	555	555
	101'NR'+00 - 108'NR'+00	NORTHERN RD	1,250	1,290	---	---	---	---
	SUBTOTALS		1,250	1,290	765	760	555	555
	TOTALS		2,540		2,635			

PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	LOCATION	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5'SEG, 37.5'GAP) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW) LF	646.2050 MARKING LINE GROOVED PERMANENT TAPE 6-INCH (WHITE) (12.5'SEG, 37.5'GAP) LF	646.2050 MARKING LINE GROOVED PERMANENT TAPE 6-INCH (WHITE) (3'SEG, 9'GAP) LF	646.4020 MARKING LINE EPOXY 10-INCH (WHITE) LF	646.4025 MARKING LINE GROOVED BLACK EPOXY 10-INCH (WHITE) (3'SEG, 9'GAP) LF	646.4050 MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE) LF	646.4050 MARKING LINE GROOVED PERMANENT TAPE 10-INCH (WHITE) (3'SEG, 9'GAP) LF
0010	1119'NB'+00 - 1330'NB'+00	IH 41 ML	12,000	20,600	20,600	12,000	47	570	1,330	6,440	1,330
	1330'NB'+00 - 1429'NB'+00	IH 41 ML	5,320	10,650	10,600	5,320	---	---	1,010	2,500	1,010
	1429'NB'+00 - 1542'NB'+00	IH 41 ML	5,650	11,300	11,300	5,650	170	---	115	5,460	115
	1118'SB'+90 - 1330'SB'+00	IH 41 ML	12,100	20,850	20,850	12,100	47	---	1,670	5,540	1,670
	1330'SB'+00 - 1429'SB'+00	IH 41 ML	4,950	9,880	9,910	4,950	---	---	470	2,740	470
	1429'SB'+00 - 1552'SB'+72	IH 41 ML	6,190	12,350	12,350	6,190	320	---	240	5,470	240
	1155'JJA'+49 - 1166'JJA'+61	JJ-A RAMP	---	1,060	11,100	---	---	---	---	79	---
	1155'JJB'+02 - 1166'JJB'+45	JJ-B RAMP	---	1,080	1,130	---	---	---	---	715	---
	1167'JJC'+49 - 1175'JJC'+99	JJ-C RAMP	---	735	740	---	---	---	---	215	---
	1166'JJD'+22 - 1176'JJD'+09	JJ-D RAMP	---	930	955	---	---	---	---	1,130	---
	1206'MSA'+53 - 1216'MSA'+36	MS-A RAMP	---	870	945	---	---	---	---	335	---
	1204'MSB'+83 - 1214'MSB'+00	MS-B RAMP	---	810	940	---	---	---	---	345	---
	1247'IIA'+55 - 1254'IIA'+71	II-A RAMP	---	600	690	---	---	---	---	---	---
	1248'IIB'+00 - 1255'IIB'+19	II-B RAMP	---	610	680	---	---	---	---	275	---
	1255'IIC'+62 - 1263'IIC'+45	II-C RAMP	165	650	725	165	---	---	---	130	---
	1254'IID'+88 - 1262'IID'+35	II-D RAMP	---	685	695	---	---	---	75	405	75
	1420'BBA'+79 - 1429'BBA'+37	BB-A RAMP	---	765	780	---	---	---	---	---	---
	1420'BBB'+07 - 1428'BBB'+48	BB-B RAMP	---	850	860	---	---	---	---	---	---
	1429'BBC'+57 - 1438'BBC'+17	BB-C RAMP	---	785	805	---	---	---	---	---	---
	1428'BBD'+91 - 1436'BBD'+93	BB-D RAMP	---	695	780	---	---	---	---	345	---
	1484'CAA'+60 - 1494'CAA'+24	CA-A RAMP	---	865	940	---	---	---	---	170	---
	20'CAB'+53 - 29'CAB'+42	CA-B RAMP	76	900	845	76	---	---	---	1,780	---
	1494'CAC'+34 - 1502'CAC'+33	CA-C RAMP	---	700	780	---	---	---	---	120	---
	20'CAD'+00 - 28'CAD'+28	CA-D RAMP	61	725	750	61	---	---	---	1,420	---
	3'WIA'+19 - 9'WIA'+48	WI-A RAMP	---	495	495	---	---	---	---	---	---
	28'WIB'+41 - 35'WIB'+63	WI-B RAMP	54	215	215	54	---	---	---	---	---
	101'NR'+00 - 108'NR'+00	NORTHERN RD	---	---	---	---	---	---	---	---	---
	SUBTOTALS		46,566	100,655	111,460	46,566	584	570	4,910	35,614	4,910
	TOTALS		46,566	212,115		47,150		570	4,910	40,524	

3

ADDITIONAL PAVEMENT MARKING ITEMS

CATEGORY	STATION	-	STATION	LOCATION	646.5020 MARKING ARROW EPOXY TYPE 2 (WHITE) EACH	646.5020 MARKING ARROW EPOXY TYPE 3 (WHITE) EACH	646.5020 MARKING ARROW EPOXY TYPE 5 (WHITE) EACH	646.5120 MARKING WORD EPOXY (WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.7220 MARKING CHEVRON EPOXY 24-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF
0010	1330'NB'+00	-	1429'NB'+00	IH 41 ML	---	---	6	---	---	---	---	---
	1118'SB'+90	-	1330'SB'+00	IH 41 ML	---	---	2	---	---	---	---	---
	1330'SB'+00	-	1429'SB'+00	IH 41 ML	---	---	---	---	---	---	315	---
	1155'JJA'+49	-	1166'JJA'+61	JJ-A RAMP	---	---	---	---	---	---	---	115
	1155'JJB'+02	-	1166'JJB'+45	JJ-B RAMP	4	2	---	2	24	10	---	91
	1167'JJC'+49	-	1175'JJC'+99	JJ-C RAMP	---	---	---	---	---	---	---	84
	1166'JJD'+22	-	1176'JJD'+09	JJ-D RAMP	4	2	---	2	24	10	---	86
	1206'MSA'+53	-	1216'MSA'+36	MS-A RAMP	4	---	---	2	33	---	---	---
	1204'MSB'+83	-	1214'MSB'+00	MS-B RAMP	4	---	---	2	16	---	---	---
	1248'IIB'+00	-	1255'IIB'+19	II-B RAMP	2	2	---	1	35	---	---	---
	1254'IID'+88	-	1262'IID'+35	II-D RAMP	2	2	---	1	44	---	---	---
	1420'BBB'+07	-	1428'BBB'+48	BB-B RAMP	---	---	---	---	26	---	---	---
	1428'BBD'+91	-	1436'BBD'+93	BB-D RAMP	2	2	---	1	14	---	---	---
	20'CAB'+53	-	29'CAB'+42	CA-B RAMP	6	2	---	3	71	---	---	---
	20'CAD'+00	-	28'CAD'+28	CA-D RAMP	6	2	---	3	66	---	---	---
	SUBTOTALS				34	14	8	17	353	20	315	376
	TOTALS					56		17	353	20	315	376

COLD WEATHER MARKING ITEMS

CATEGORY	STATION	-	STATION	LOCATION	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	646.6470 COLD WEATHER MARKING EPOXY 10-INCH LF
0010	1114'NB'+00	-	1542'NB'+00	IH 41 ML	2,250	2,000
	1118'SB'+90	-	1572'SB'+00	IH 41 ML	2,250	2,000
	TOTALS				4,500	4,000

CONSTRUCTION STAKING STRUCTURE LAYOUT

CATEGORY	STRUCTURE	EACH	REMARKS
0010	B-44-0062	1	650.6501.01
	B-70-0084	1	650.6501.02
	B-70-0132	1	650.6501.03

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	650.9911 EACH
0010	1120-57-60	1

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION	-	STATION	LOCATION	650.8000 LF
0010	1096'NB'+00.00	-	1536'NB'+89.00	NB	44,090
	1119'SB'+00.00	-	1572'SB'+00.00	SB	45,300
	1150'JJ-A'+22.43	-	1166'JJ-A'+61.69	JJ-A	1,640
	1148'JJ-B'+58.51	-	1166'JJ-B'+45.78	JJ-B	1,790
	1167'JJ-C'+49.09	-	1180'JJ-C'+19.33	JJ-C	1,270
	1166'JJ-D'+22.00	-	1181'JJ-D'+59.32	JJ-D	1,540
	1201'MS-A'+03.06	-	1216'MS-A'+36.24	MS-A	1,530
	1204'MS-B'+83.94	-	1217'MS-B'+16.05	MS-B	1,230
	1241'II-A'+47.31	-	1254'II-A'+71.54	II-A	1,320
	1241'II-B'+00.00	-	1255'II-B'+19.03	II-B	1,420
	1255'II-C'+62.40	-	1266'II-C'+23.79	II-C	1,060
	1254'II-D'+88.22	-	1267'II-D'+74.90	II-D	1,290
	1417'BB-A'+09.64	-	1429'BB-A'+37.91	BB-A	1,230
	1416'BB-B'+34.37	-	1425'BB-B'+56.97	BB-B	920
	1429'BB-C'+57.27	-	1439'BB-C'+92.24	BB-C	1,030
	1428'BB-D'+91.73	-	1441'BB-D'+60.76	BB-D	1,270
	1482'CA-A'+30.00	-	1494'CA-A'+24.13	CA-A	1,190
	17'CA-B'+49.05	-	29'CA-B'+42.65	CA-B	1,190
	1494'CA-C'+33.84	-	1505'CA-C'+50.16	CA-C	1,120
	20'CA-D'+00.00	-	35'CA-D'+35.58	CA-D	1,540
	0'WI-A'+.00	-	9'WI-A'+48.96	WI-A	950
	20'WI-B'+00.00	-	35'WI-B'+63.94	WI-B	1,560
			TOTAL	TOTAL	115,480

CONDUIT RIGID NONMETALLIC

CATEGORY	LOCATION	FROM	-	TO	652.0225 SCHEDULE 40 LF	652.0325 SCHEDULE 80 LF
0010	STH 21 & SAND PIT	IH 41 & CECIL ST CB1	-	SPLICE	20	---
		PB 1	-	UP COMUMN	---	15
		PB 2	-	UP COMUMN	---	15
		IH 41 & MAIN ST CB1	-	SPLICE	20	---
		PB 1	-	UP COMUMN	---	15
		PB 2	-	UP COMUMN	---	15
		IH 41 & CTH o CB1	-	SPLICE	20	---
		PB 1	-	UP COMUMN	---	15
		PB 2	-	UP COMUMN	---	15
		IH 41 & SPENCER ST CB1	-	SPLICE	20	---
				TOTALS	80	90

PULL BOXES SUMMARY

CATEGORY	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH	653.0208 JUNCTION BOXES 8X8X8-INCH EACH	653.0905 REMOVING PULL BOXES EACH
0010	IH 41 & CECIL STREET	2	2	2
	IH 41 & MAIN STREET	2	2	2
	IH 41 & CTH O (NORTH)	2	2	2
	IH 41 & SPENCER STREET	2	---	---
	TOTALS	8	6	6

CONCRETE CONTROL CABINET BASES SUMMARY

CATEGORY	LOCATION	204.0195 REMOVING CONCRETE BASES EACH	654.0220 CONCRETE CONTROL CABINET BASES TYPE 10 EACH
0010	IH 41 & CECIL STREET	1	1
	IH 41 & MAIN STREET	1	1
	IH 41 & CTH O (NORTH)	1	1
	IH 41 & SPENCER STREET	1	1
	TOTALS	4	4

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	LOCATION	EACH	REMARKS
0010	IH 41 & CECIL STREET	1	656.0201.01
	IH 41 & MAIN STREET	1	656.0201.02
	IH 41 & CTH O (NORTH)	1	656.0201.03
	IH 41 & SPENCER STREET	1	656.0201.04
	TOTALS	4	

ELECTRICAL WIRE LIGTHING 10 AWG

CATEGORY	LOCATION	CIRCUIT	FROM	TO	655.0615 UNDERGROUND CONDUCTOR (SEE CIRCUIT COLOR) LF*
0010	IH 41 & NORTH STREET (240 VOLT SYSTEM)	A (BLACK)	CB1	LB1	190
			LB1	LUMINAIRES	
			LB1	LB2	160
			LB2	LUMINAIRES	
		B (RED)	CB1	LB7	470
			LB7	LUMINAIRES	
			LB7	LB8	160
			LB8	LUMINAIRES	
		C (BLUE)	CB1	LB5	330
			LB5	LUMINAIRES	
			LB5	LB6	160
			LB6	LUMINAIRES	
		D (BROWN)	CB1	LB3	360
			LB3	LUMINAIRES	
			LB3	LB4	160
			LB4	LUMINAIRES	
				SUBTOTAL	1,990
	IH 41 & MAIN STREET (240 VOLT SYSTEM)	A (BLACK)	CB1	LB1	180
			LB1	LUMINAIRES	
			LB1	LB2	160
			LB2	LUMINAIRES	
		B (RED)	CB1	LB7	480
			LB7	LUMINAIRES	
			LB7	LB8	160
			LB8	LUMINAIRES	
		C (BLUE)	CB1	LB5	320
			LB5	LUMINAIRES	
			LB5	LB6	160
			LB6	LUMINAIRES	
		D (BROWN)	CB1	LB3	340
			LB3	LUMINAIRES	
			LB3	LB4	160
			LB4	LUMINAIRES	
				SUBTOTAL	1,960
	IH 41 & CECIL STREET (240 VOLT SYSTEM)	A (BLACK)	CB1	LB1	260
			LB1	LUMINAIRES	
			LB1	LB2	180
			LB2	LUMINAIRES	
		B (RED)	CB1	LB8	540
			LB8	LUMINAIRES	
			LB8	LB9	100
			LB9	LUMINAIRES	
			LB9	LB10	100
			LB10	LUMINAIRES	
		C (BLUE)	CB1	LB6	420
			LB6	LUMINAIRES	
			LB6	LB7	160
			LB7	LUMINAIRES	
		D (BROWN)	CB1	LB3	380
			LB3	LUMINAIRES	
			LB3	LB4	100
			LB4	LUMINAIRES	
			LB4	LB5	100
			LB5	LUMINAIRES	
				SUBTOTAL	2,340
				TOTAL	6,290

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

ELECTRICAL WIRE LIGTHING 10 AWG

CATEGORY	LOCATION	FROM	TO	655.0615 EQUIPMENT GROUNDING CONDUCTOR (GREEN) LF*
0010	IH 41 & NORTH STREET	CB1	LB1	80
	(240 VOLT SYSTEM)	LB1	LB2	80
		LB1	LB5	80
		LB5	LB6	80
		CB1	LB3	180
		LB3	LB4	80
		LB3	LB7	80
		LB7	LB8	80
			SUBTOTAL	740
	IH 41 & MAIN STREET	CB1	LB1	90
	(240 VOLT SYSTEM)	LB1	LB2	80
		LB1	LB6	80
		LB6	LB5	80
		CB1	LB3	170
		LB3	LB4	80
		LB3	LB7	80
		LB7	LB8	80
			SUBTOTAL	740
	IH 41 & CECIL STREET	CB1	LB1	110
	(240 VOLT SYSTEM)	LB1	LB2	90
		LB1	LB6	90
		LB6	LB7	80
		CB1	LB3	190
		LB3	LB4	50
		LB4	LB5	50
		LB3	LB8	90
		LB8	LB9	50
		LB9	LB10	50
			SUBTOTAL	850
			TOTAL	2,330

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

SALVAGE AND REINSTALL STEEL PLATE BEAM GUARD

CATEGORY	LOCATION	LT/RT	SPV.0090.06 LF
0010	NORTHERN ROAD	RT	75

INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM

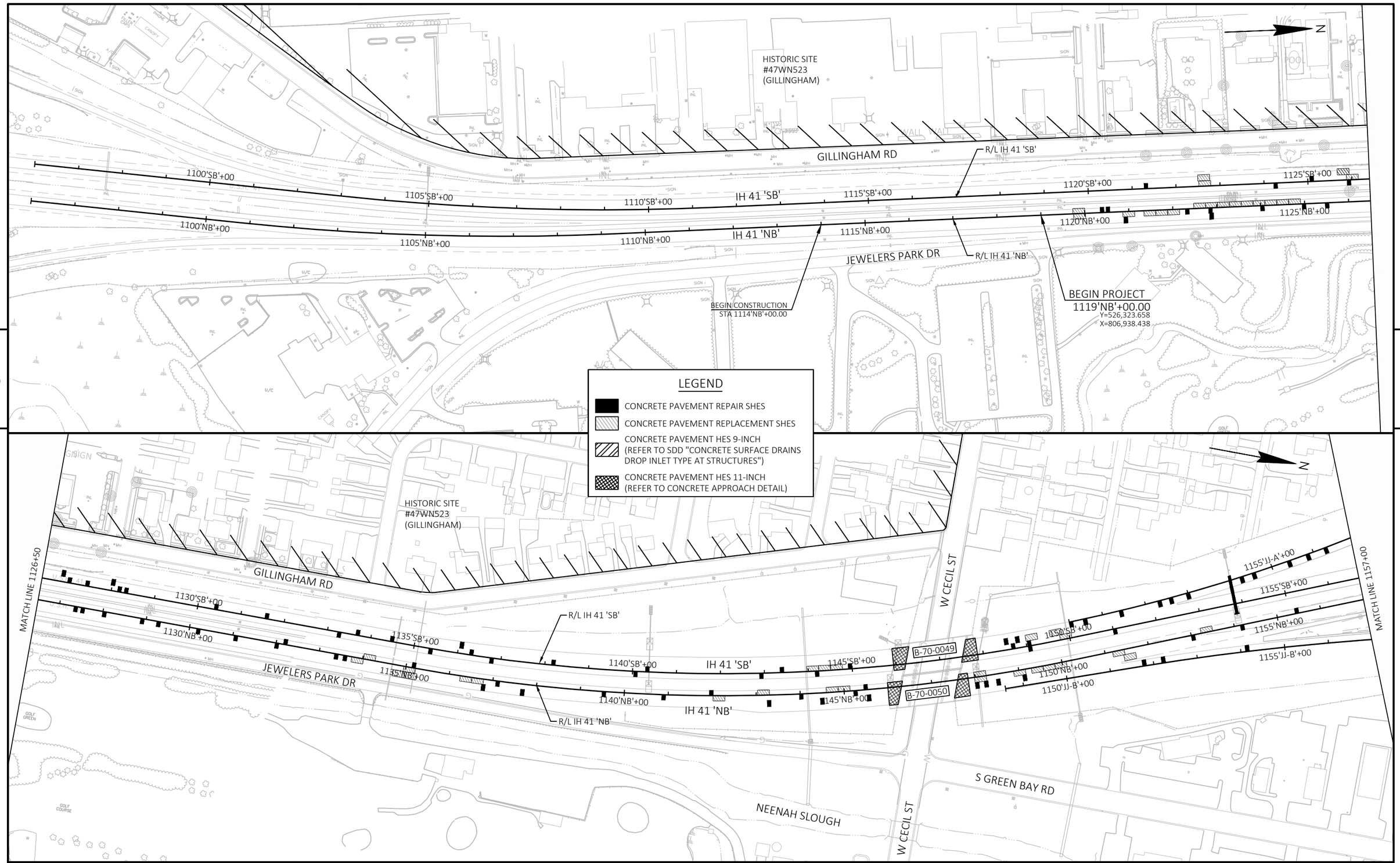
CATEGORY	LOCATION	EACH	REMARKS
0010	STATION 1269'SB'+00	1	999.2000.S.01
	STATION 1269'NB'+00	1	999.2000.S.02
	STATION 137'FWN'+00	1	999.2000.S.03

RESIN BINDER HIGH FRICTION SURFACE TREATMENT

CATEGORY	STATION - STATION	SPV.0180.02 SY
0010	1262'NB'+75 - 1280'NB'+00	9,450
	1262'SB'+75 - 1280'SB'+00	10,300
	UNDISTRIBUTED	200
	TOTAL	19,950

REMOVING RUMBLE STRIPS

CATEGORY	STAGE	STATION - STATION	LOCATION	SPV.0180.01 SY
0010	1A	1357'NB'+20 - 1367'NB'+70	RT	350
		1361'SB'+25 - 1371'SB'+80	LT	352
		SUBTOTAL (STAGE 1A)		702
	3A	1136'NB'+90 - 1141'NB'+50	LT	204
		1206'NB'+45 - 1208'NB'+25	LT	80
		1232'NB'+05 - 1233'NB'+55	LT	67
		1245'NB'+00 - 1249'NB'+50	LT	200
		1270'NB'+00 - 1270'NB'+25	LT	8
		1418'NB'+25 - 1422'NB'+25	LT	178
		1432'NB'+75 - 1435'NB'+15	LT	107
		1474'NB'+40 - 1477'NB'+80	LT	151
		1499'NB'+20 - 1501'NB'+10	LT	84
		1525'NB'+40 - 1530'NB'+00	LT	204
		1141'SB'+05 - 1141'SB'+85	RT	36
		1173'SB'+25 - 1177'SB'+05	RT	169
		1210'SB'+35 - 1211'SB'+25	RT	30
		1231'SB'+85 - 1237'SB'+15	RT	177
		1251'SB'+10 - 1251'SB'+50	RT	13
		1256'SB'+45 - 1257'SB'+25	RT	27
		1260'SB'+00 - 1260'SB'+50	RT	17
		1267'SB'+00 - 1267'SB'+55	RT	18
		1270'SB'+25 - 1271'SB'+00	RT	25
		1274'SB'+70 - 1275'SB'+90	RT	40
		1280'SB'+00 - 1286'SB'+75	RT	225
		1422'SB'+50 - 1424'SB'+60	RT	93
		1434'SB'+50 - 1439'SB'+10	RT	204
		1500'SB'+25 - 1504'SB'+85	RT	204
		1529'SB'+25 - 1530'SB'+85	RT	72
		SUBTOTAL (STAGE 3A)		2,633
			TOTAL	3,335

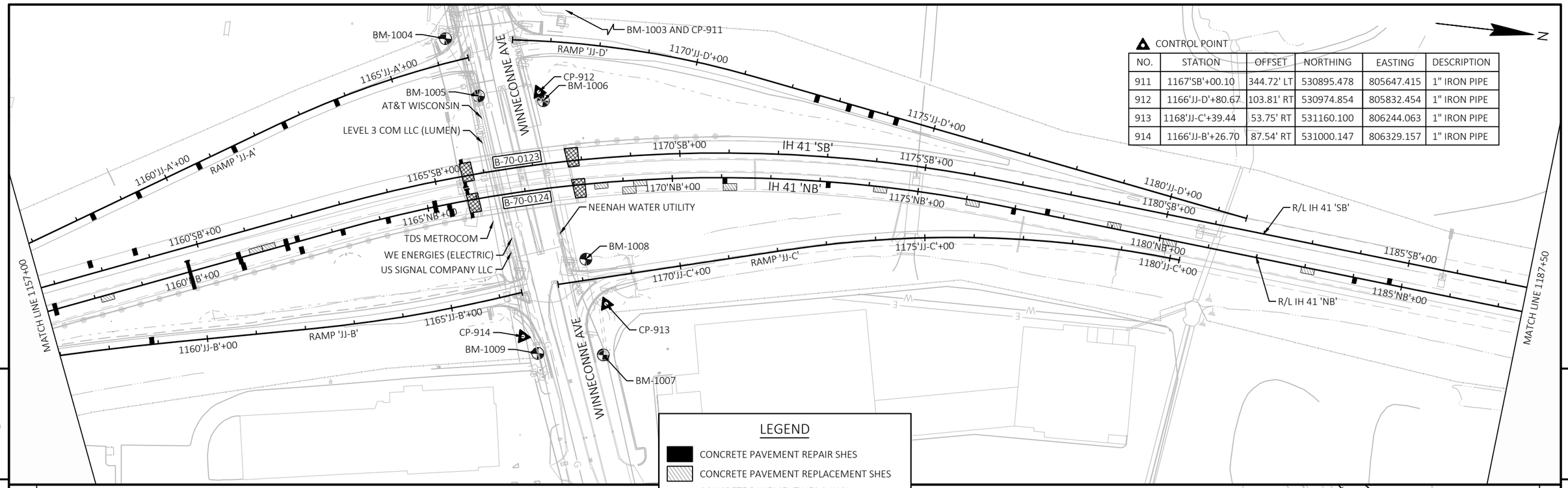


PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN SHEETS	SHEET 382 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-pn

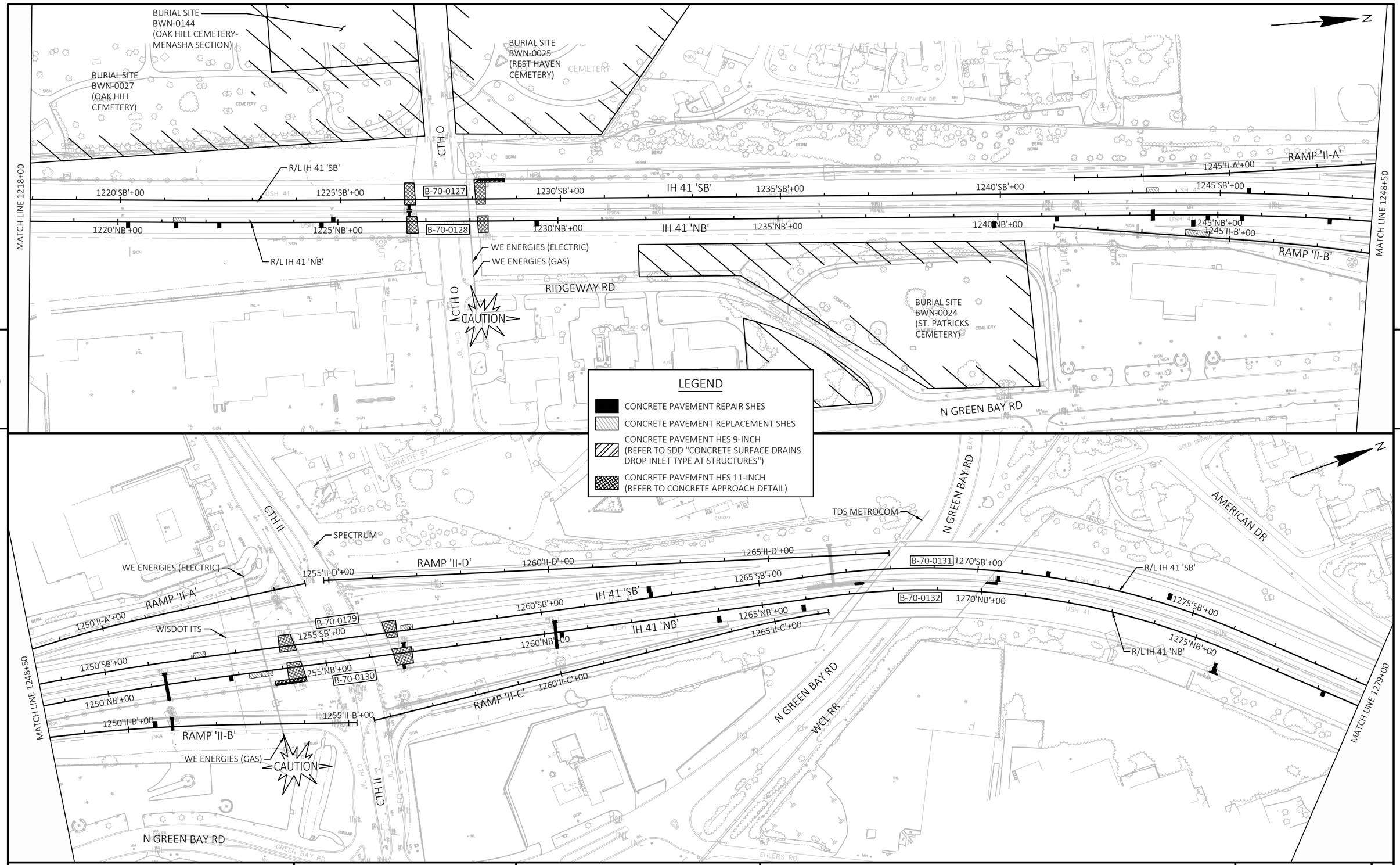
PLOT DATE : 5/23/2023 4:40 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN SHEETS	SHEET 383	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050202-pn
PLOT DATE : 5/23/2023 4:42 PM
PLOT BY : GRIMME, SARA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



LEGEND

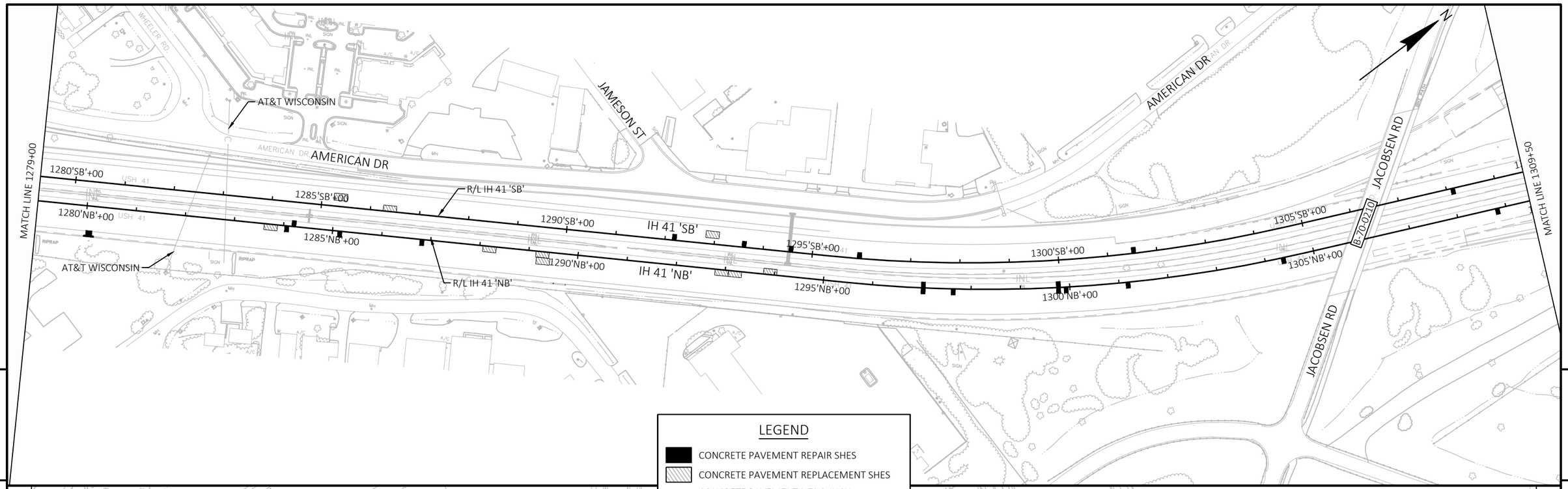
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN SHEETS	SHEET 384 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050203-pn

PLOT DATE : 5/23/2023 4:44 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



5

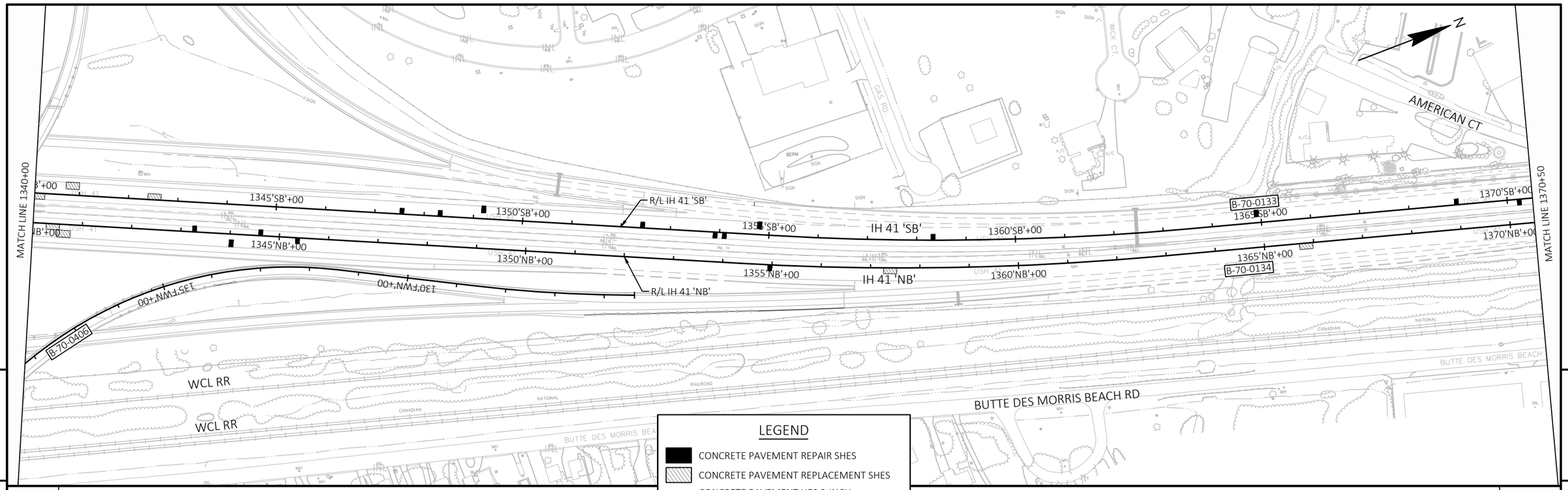
5

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN SHEETS	SHEET 385	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050204-pn

PLOT DATE : 5/23/2023 4:45 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	PLAN SHEETS	SHEET 386 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050205-pn

PLOT DATE : 5/23/2023 4:38 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

BENCHMARK

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
1000	1425'BB-A'+40.89	14.61' LT	CHISELED X ON WALL	754.89
1001	1424'BB-B'+30.41	33.18' RT	BOLT ON HYDRANT	754.14

MATCH LINE 1401+00

MATCH LINE 1431+50

5

5

SPECTRUM

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

HOLLY RD

NORTHERN RD

CAUTION

1405'SB'+00

1405'NB'+00

1410'SB'+00

1410'NB'+00

R/L IH 41 'SB'

R/L IH 41 'NB'

IH 41 'SB'

IH 41 'NB'

1415'SB'+00

1415'NB'+00

1420'BB-A'+00

1420'SB'+00

1420'NB'+00

1420'BB-B'+00

RAMP 'BB-A'

RAMP 'BB-B'

BM-1001

1425'BB-A'+00

1425'SB'+00

1425'NB'+00

B-70-0021

B-70-0135

B-70-0136

B-70-0084

1425'BB-B'+00

BM-1000

AT&T LOCAL NETWORK

RAMP 'BB-D'

1430'BB-D'+00

AT&T WISCONSIN

TDS METROCOM

NET LEC LLC

1430'SB'+00

1430'NB'+00

SPECTRUM

WINDSTREAM KDL

1430'BB-C'+00

RAMP 'BB-C'

WETLAND BOUNDARY

MUD CREEK

CTH BB/W. PROSPECT AVE

WINNEBAGO COUNTY

OUTAGAMIE COUNTY

N

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

HISTORIC SITE
#47OU120
(LANDERS)

N

MATCH LINE 1431+50

MATCH LINE 1462+00

RAMP 'BB-D'

1435'BB-D'+00

1440'BB-D'+00

1435'SB'+00

1440'SB'+00

1435'NB'+00

1440'NB'+00

1440'BB-C'+00

1435'BB-C'+00

RAMP 'BB-C'

1445'SB'+00

1445'NB'+00

IH 41 'SB'

IH 41 'NB'

1450'SB'+00

1450'NB'+00

R/L IH 41 'SB'

R/L IH 41 'NB'

1455'SB'+00

1455'NB'+00

1460'SB'+00

1460'NB'+00

S. WESTLAND DR.

W. PINE ST.

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO/OUTAGAMIE	PLAN SHEETS	SHEET 387	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050206-pn

PLOT DATE : 5/23/2023 4:47 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

MATCH LINE 1462+00

MATCH LINE 1492+50

5

5

HISTORIC SITE
#47OU120
(LANDERS)

N

CAUTION

ANR PIPELINE COMPANY

ANR PIPELINE COMPANY

WE ENERGIES (GAS)

WE ENERGIES (GAS)

WE ENERGIES (GAS)

WINDSTREAM KDL

RAMP 'CA-A'

1490'CA-A'+00

1485'CA-A'+00

R/L IH 41 'SB'

1465'SB'+00

1470'SB'+00

1475'SB'+00

IH 41 'SB'

1480'SB'+00

B-44-0163

1485'SB'+00

1490'SB'+00

SPECTRUM

1465'NB'+00

1470'NB'+00

1475'NB'+00

IH 41 'NB'

1480'NB'+00

B-44-0164

1485'NB'+00

1490'NB'+00

20'CA-B'+00

R/L IH 41 'NB'

TDS METROCOM

WESTLAND DR

CAUTION

CAUTION

CAUTION

WETLAND BOUNDARY

25'CA-B'+00

RAMP 'CA-B'

W. SPENCER ST

LEVEL 3 COM LLC (LUMEN)

LEGEND

- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE PAVEMENT REPLACEMENT SHES
- CONCRETE PAVEMENT HES 9-INCH (REFER TO SDD "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES")
- CONCRETE PAVEMENT HES 11-INCH (REFER TO CONCRETE APPROACH DETAIL)

AT&T
WISCONSIN

AT&T LOCAL NETWORK

RAMP 'CA-A'

RAMP 'CA-D'

25'CA-D'+00

TDS
METROCOM

CTH CA

LEVLE 3 COM LLC (LUMEN)

WISCONSIN INDEPENDENT NETWORK

30'CA-D'+00

R/L IH 41 'SB'

35'CA-D'+00

B-44-0155

1495'SB'+00

1500'SB'+00

1505'SB'+00

1510'SB'+00

IH 41 'SB'

1515'SB'+00

1520'SB'+00

B-44-0022

1495'NB'+00

1500'NB'+00

1505'NB'+00

1510'NB'+00

IH 41 'NB'

1515'NB'+00

1520'NB'+00

B-44-0156

1505'CA-C'+00

R/L IH 41 'NB'

RAMP 'WI-B'

25'WI-B'

CP-909

MUD CREEK

1500'CA-C'+00

B-44-0062

RAMP 'CA-C'

RAMP 'CA-B'

STH 125

1495'CA-C'+00

CP-910

BM-1002

N

HISTORIC SITE
#47OU199
(GRAND CHUTE VILLAGE)

WETLAND BOUNDARY

HISTORIC SITE
#47OU199
(GRAND CHUTE VILLAGE)

MATCH LINE 1492+50

MATCH LINE 1523+00

CONTROL POINT

NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
909	1499'CA-C'+72.04	57.99' LT	562782.061	811924.974	1" IRON PIPE
910	1496'CA-C'+65.18	14.19' RT	562508.288	812081.268	1" IRON PIPE

BENCHMARK

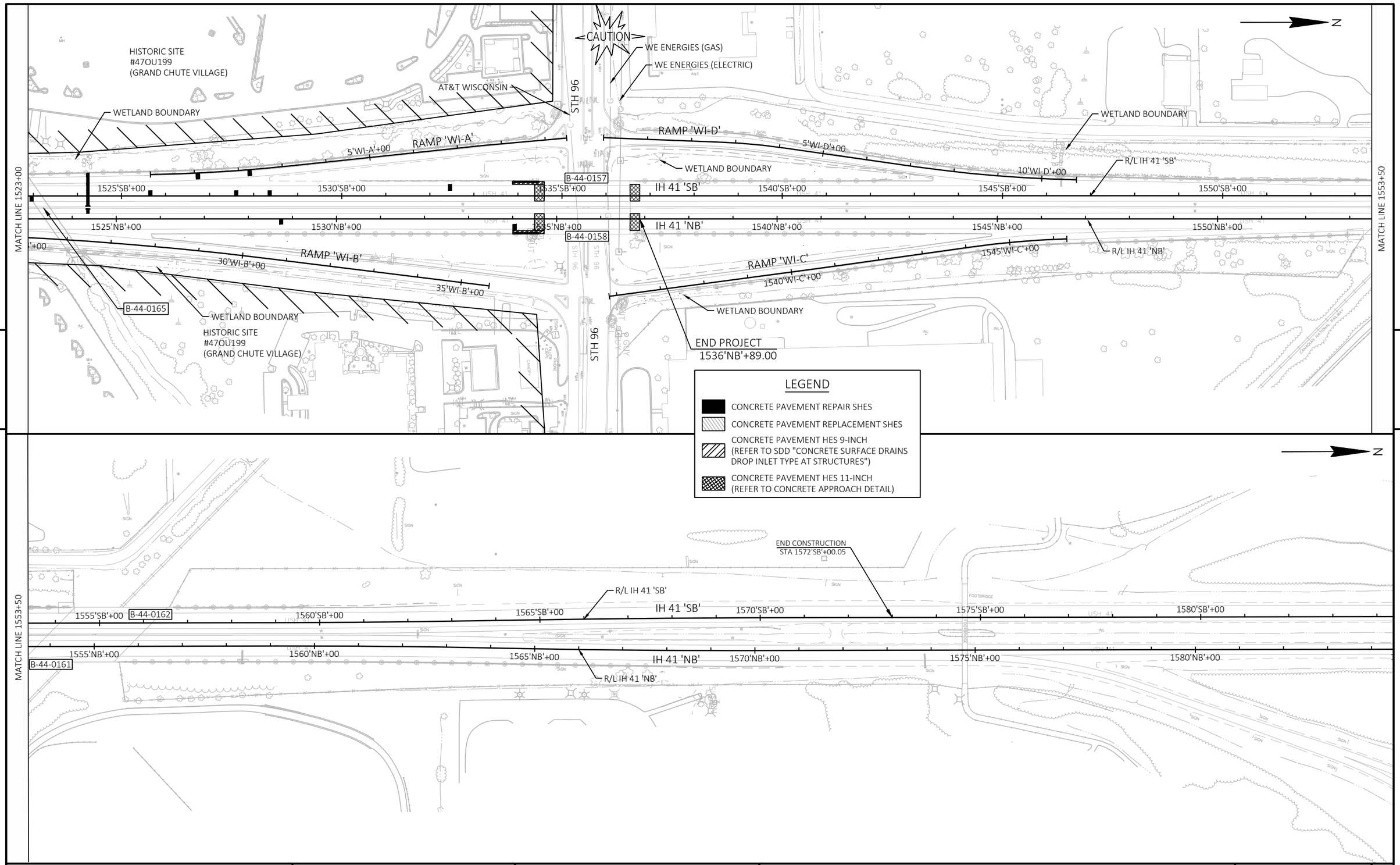
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
1002	1494'CA-C'+44.71	11.61' RT	MARKED X ON THE EAST BOLT OF POST	768.42

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN SHEETS	SHEET 388	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050207-pn

PLOT DATE : 5/23/2023 4:50 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: OUTAGAMIE	PLAN SHEETS	SHEET 389 E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 5/23/2023 4:51 PM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

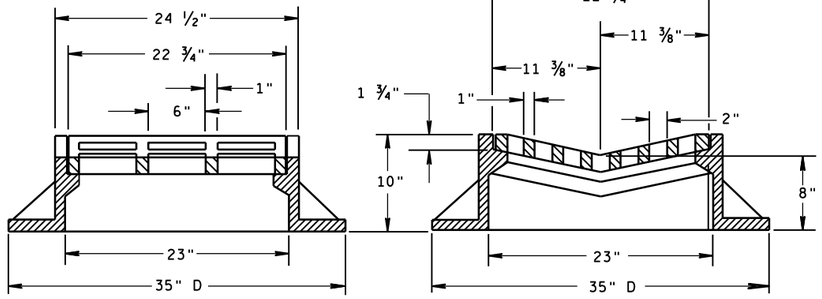
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D03-09A	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D03-09B	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
12A03-10	NAME PLATE (STRUCTURES)
13A03-07	CONCRETE PAVEMENT SHOULDERS
13A05-06A	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A05-06B	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B22-07A	CONCRETE BARRIER, SINGLE-FACED (WITH ANCHORAGE)
14B32-10A	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B32-10D	CONCRETE BARRIER SINGLE SLOPE (CBSS)
14B35-02C	32-INCH SINGLE-FACED NJ SHAPE CONCRETE BARRIER TO 36-INCH SSCB TRANSITION
14B39-02A	32-INCH SSCB TO 36-INCH SSCB HEIGHT TRANSITION
14B39-02B	36-INCH SSCB TO 42-INCH SSCB HEIGHT TRANSITION
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

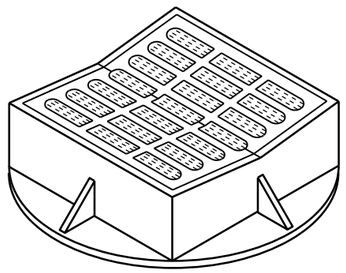
6

Standard Detail Drawing List

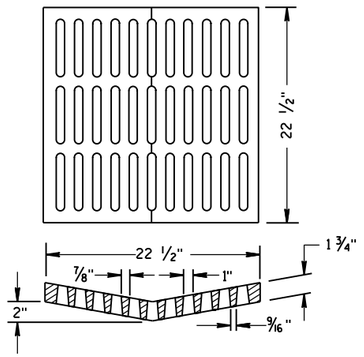
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09D	ON RAMP LANE CLOSURE
15C02-09E	OFF RAMP LANE CLOSURE
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C20-02	YIELD MARKING
15C31-05A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-05B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-05C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-05D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-11B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D12-11E	TRAFFIC CONTROL, LANE CLOSURE, TRAFFIC QUEUE WARNING SYSTEM
15D14-06	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
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
15D20-07B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND OVER
15D40-05D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D50-03A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT

6



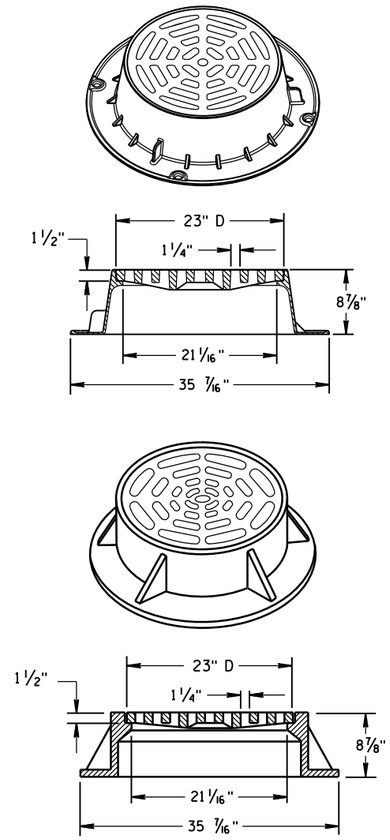


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

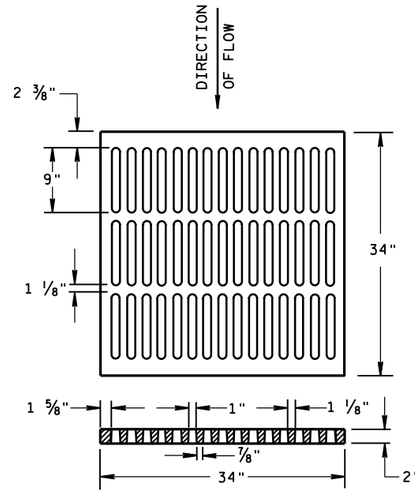
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

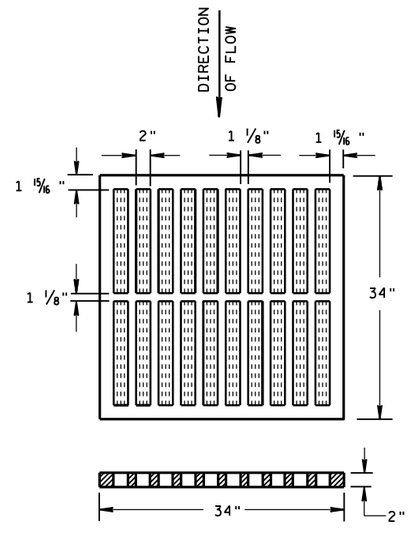
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



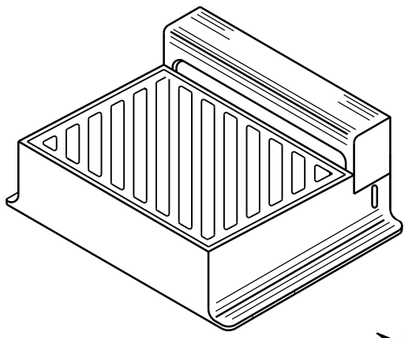
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

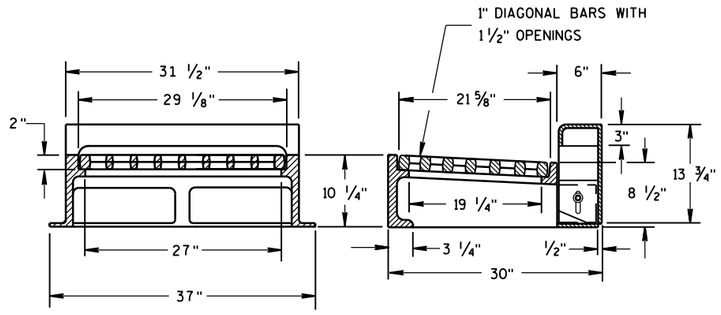


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

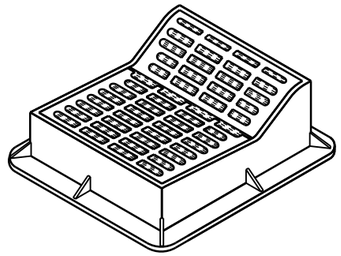
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

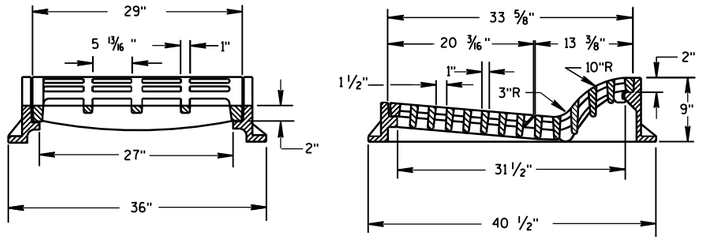
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

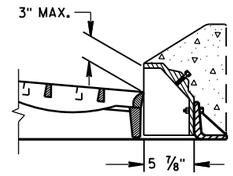
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

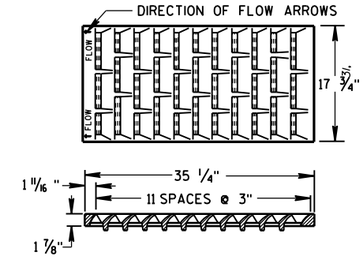
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

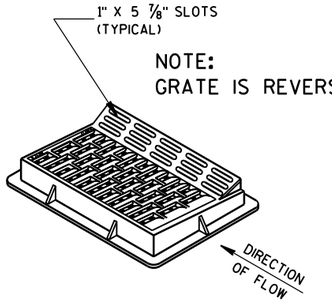
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

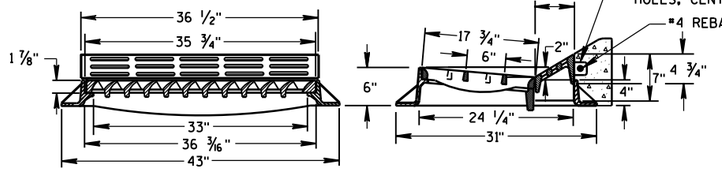
GENERAL NOTES

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

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



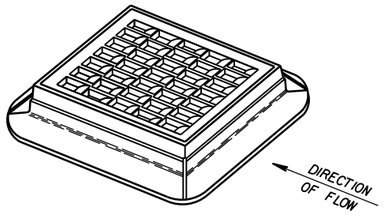


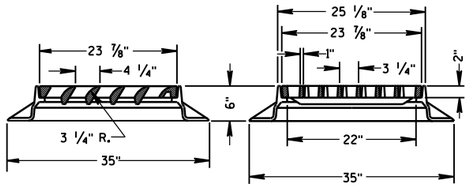


TYPE "HM"

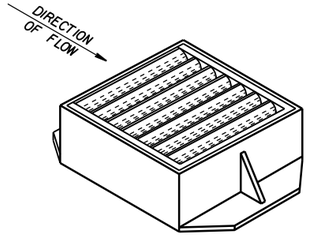
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

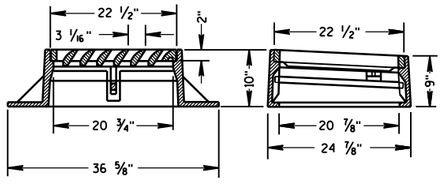
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



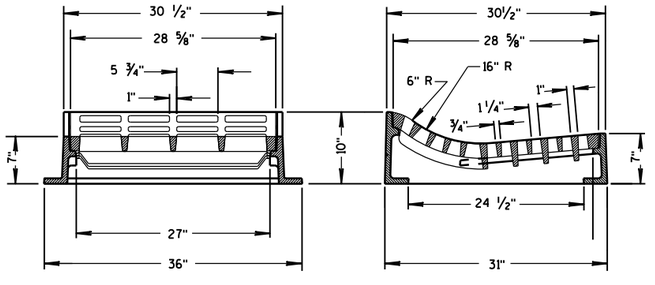


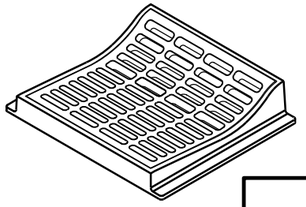
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

393

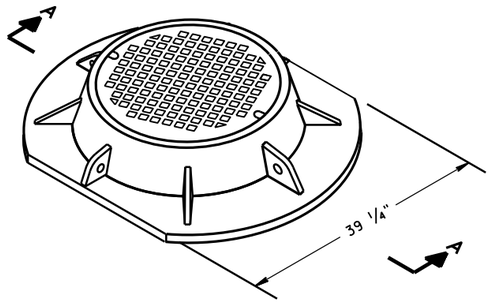
FHWA

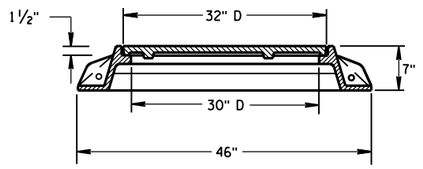
6

S.D.D. 8 A 5-19c

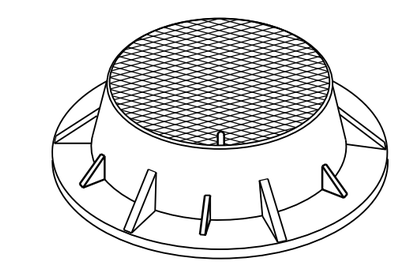
6

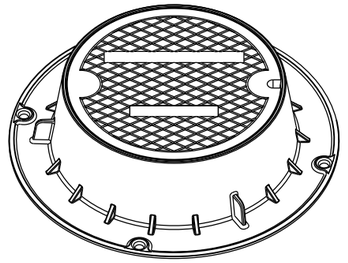
S.D.D. 8 A 5-19c

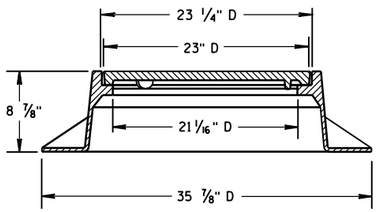


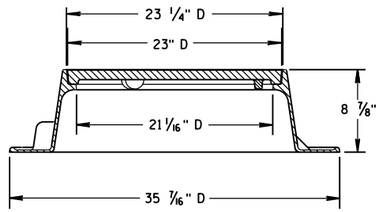


SECTION A-A
TYPE "K"









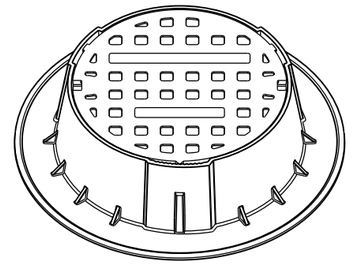
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

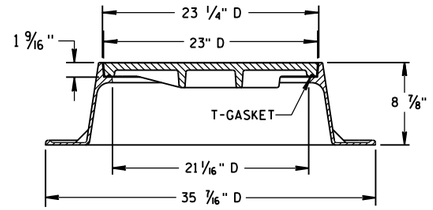
GENERAL NOTES

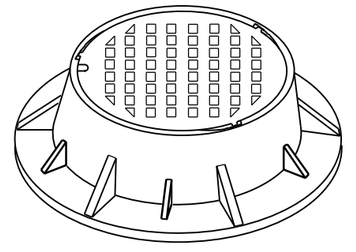
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

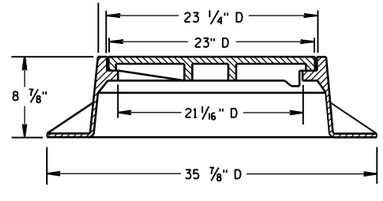
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

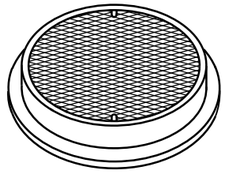


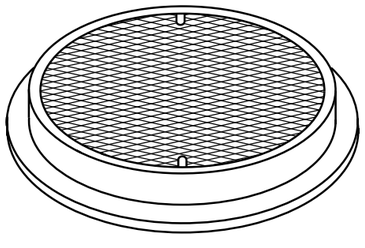


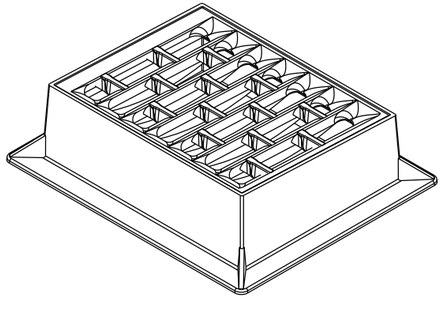


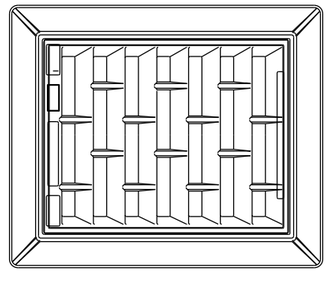


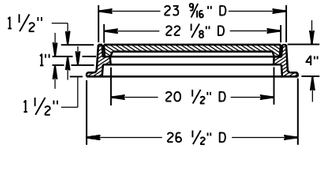
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



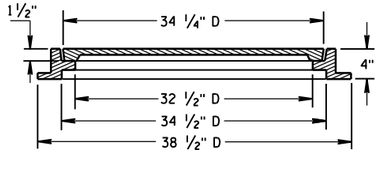




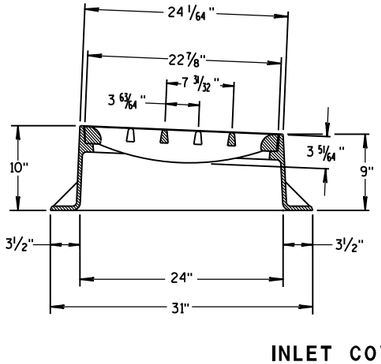


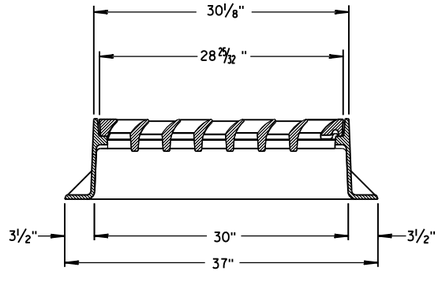


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

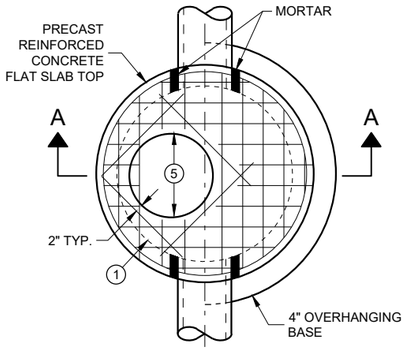
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
394
FHWA

6

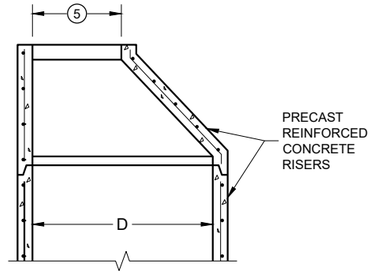
S.D.D. 8 A 5-19d

6

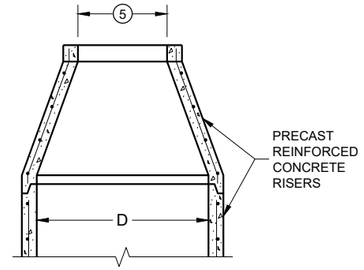
S.D.D. 8 A 5-19d



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

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

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

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

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

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

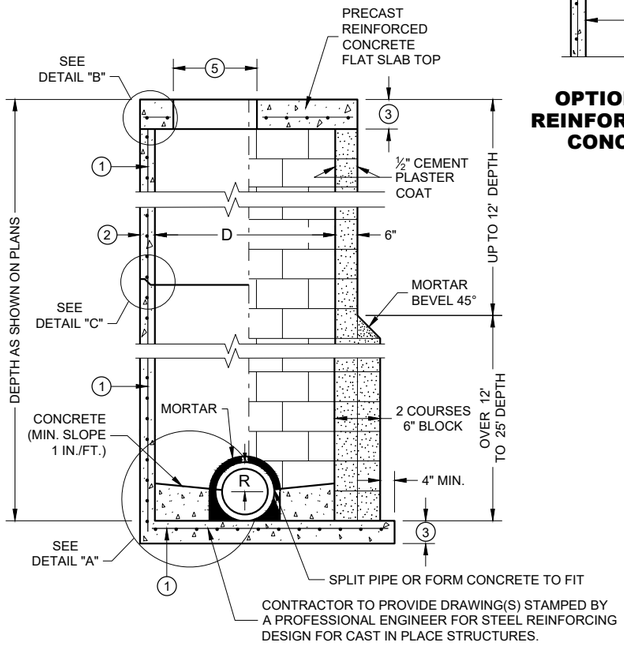
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

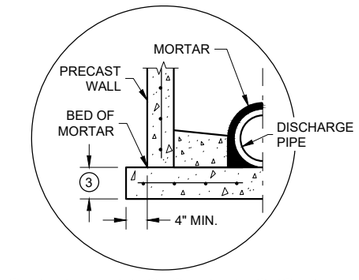
(5) SEE MANHOLE COVER OPENING MATRIX.



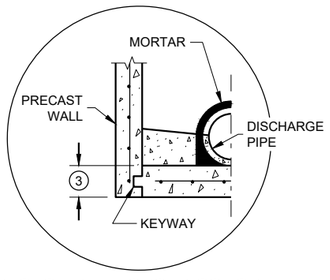
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

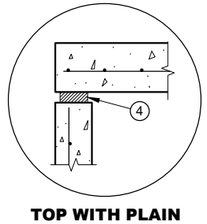


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

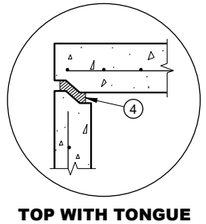


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

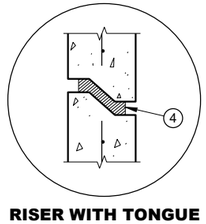


TOP WITH PLAIN END JOINT



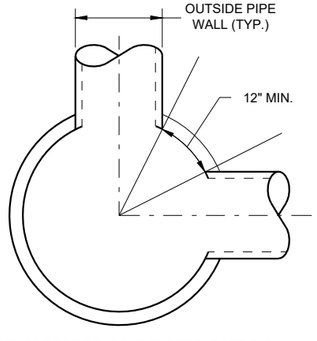
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"



MINIMUM HORIZONTAL PIPE SEPARATION

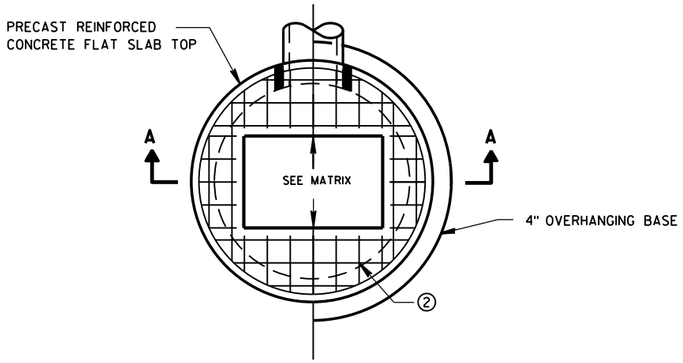
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

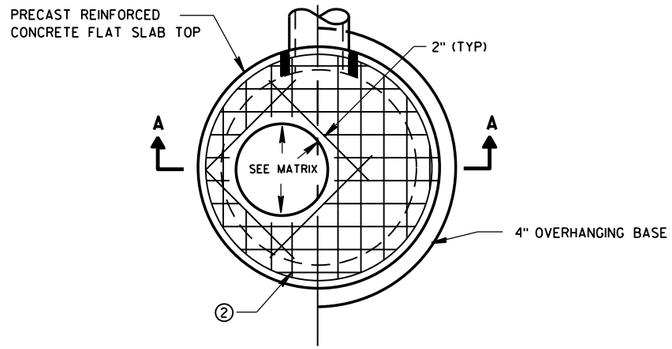
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
395
FHWA

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

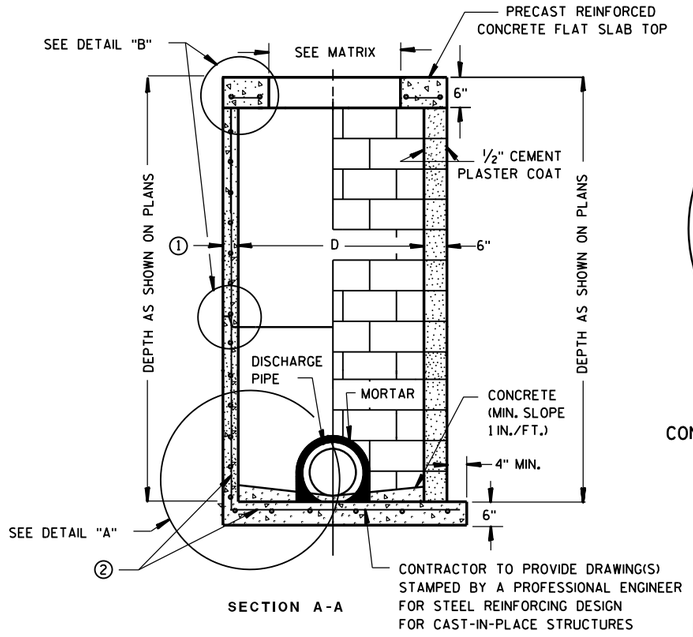
6
SDD 08B09 - 03



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

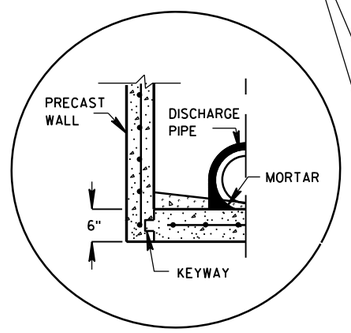


SECTION A-A

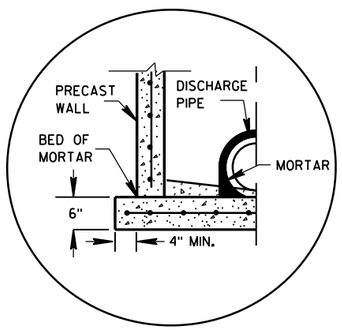
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

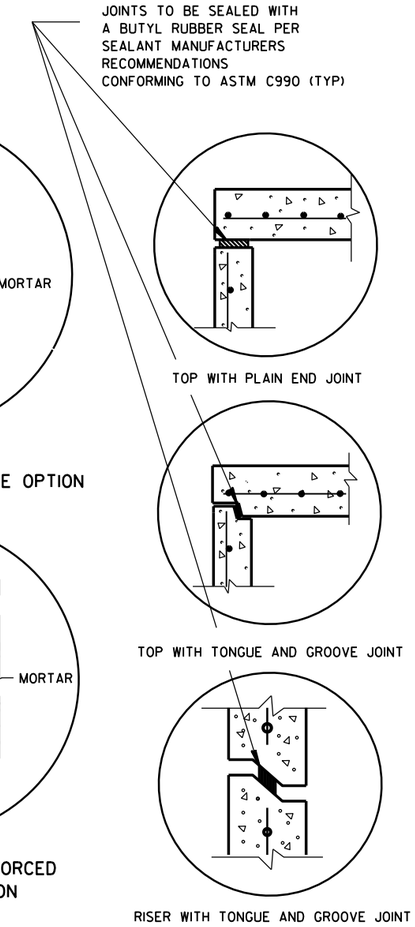


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "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.

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

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

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

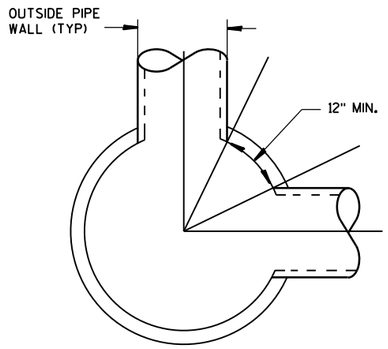
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

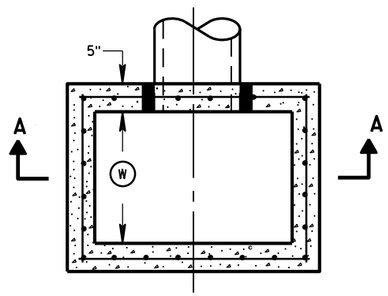
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

6

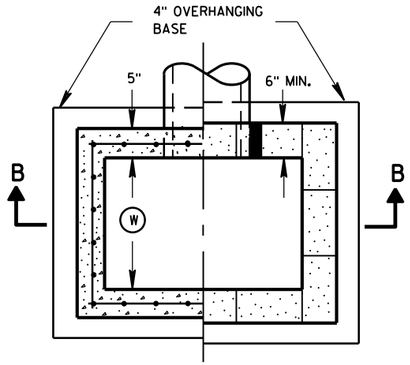
S.D.D. 8 C 6-2

6

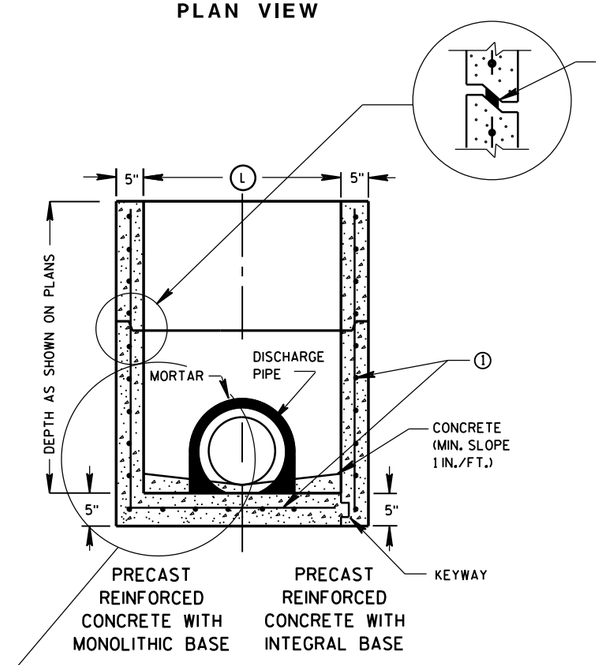
S.D.D. 8 C 6-2



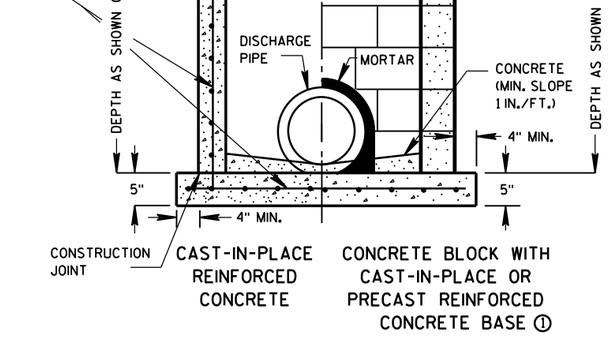
PLAN VIEW



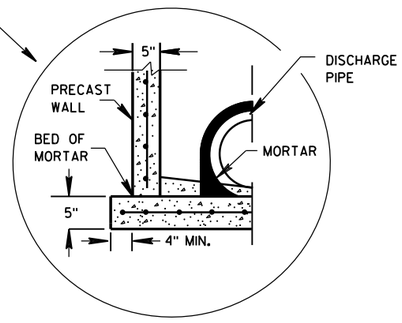
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

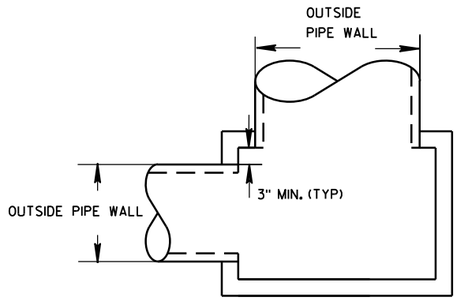
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

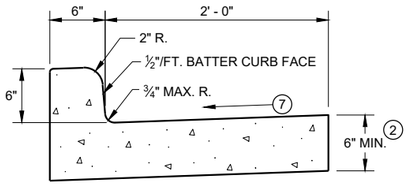
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

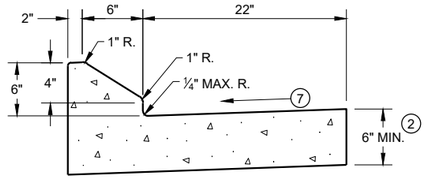
S.D.D. 8 C 7-2

6

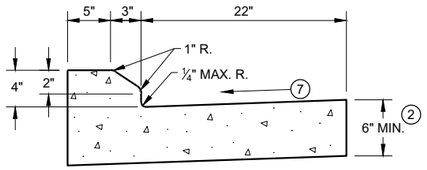
S.D.D. 8 C 7-2



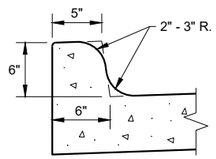
TYPES A (1) & D



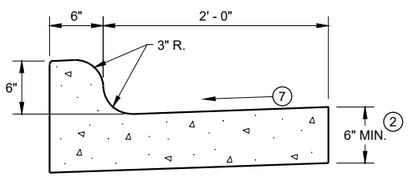
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

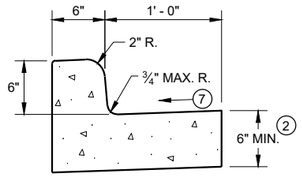


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



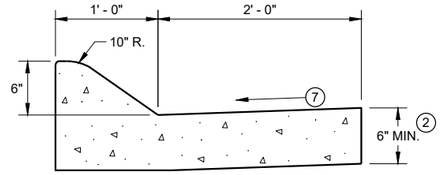
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

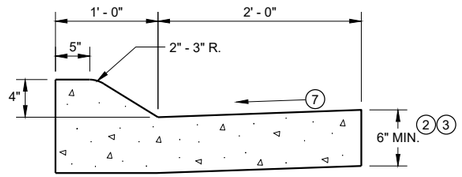


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

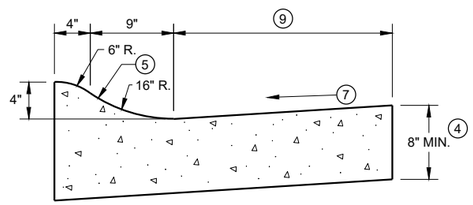


6" SLOPED CURB TYPES A (1) & D



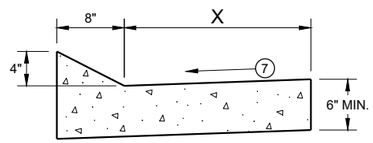
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

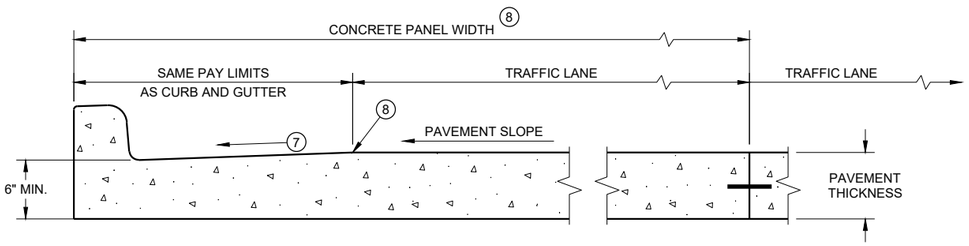


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

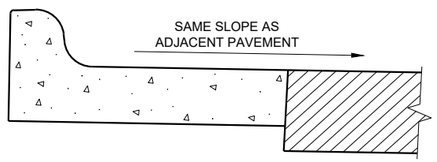
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

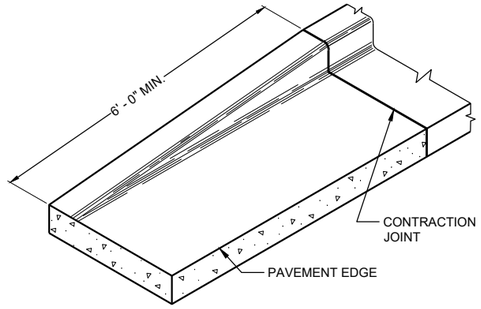
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

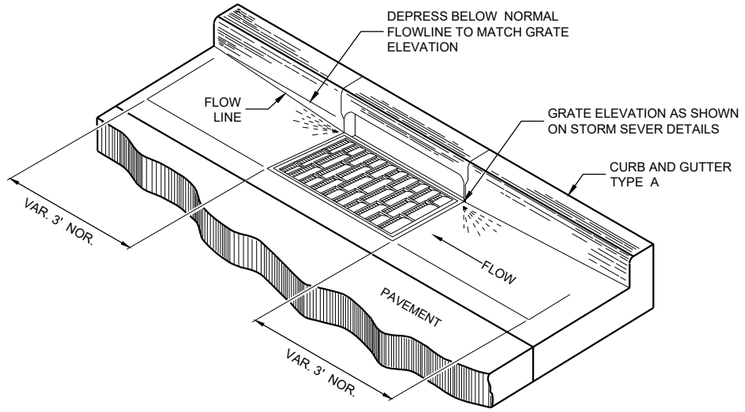
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01 - 23a



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.

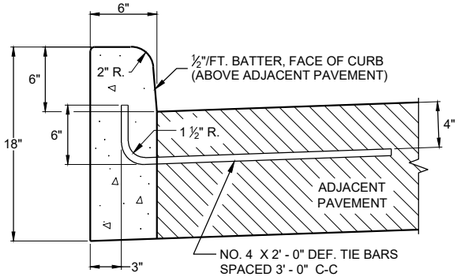
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

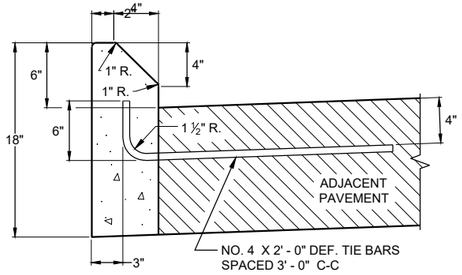
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

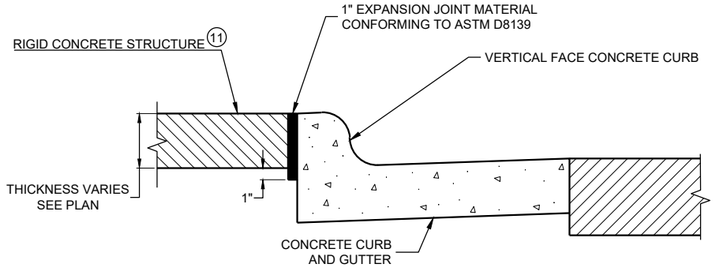


TYPES A (1) & D

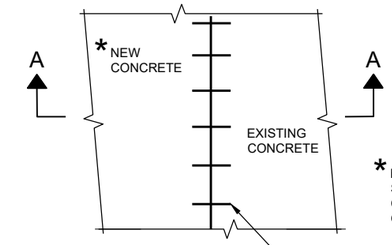


TYPES G (1) & J

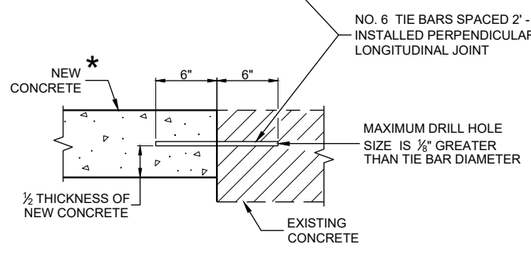
CONCRETE CURB



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

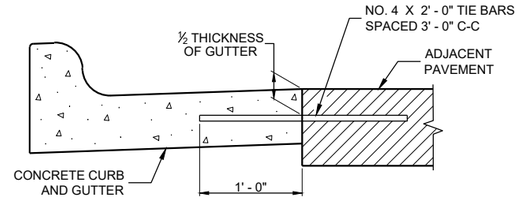


PLAN VIEW

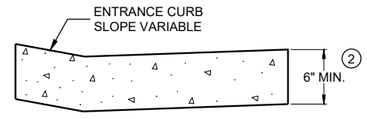


SECTION A - A

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

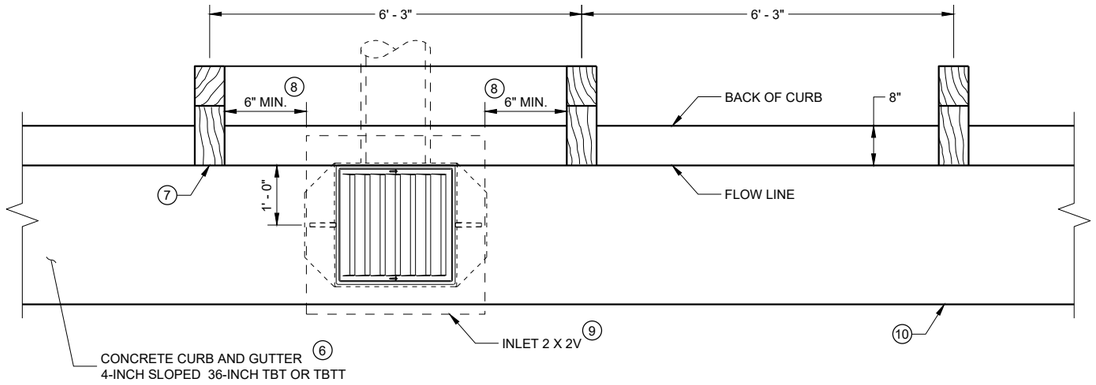
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

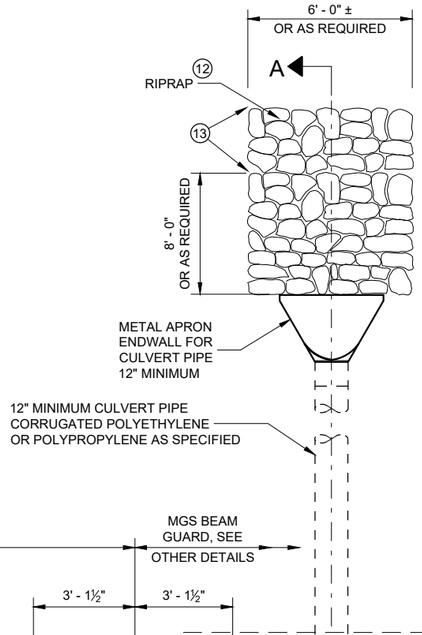
6

SDD08D01 - 23b



INLET PLAN VIEW

(NOTE: RAIL NOT SHOWN FOR CLARITY)



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.

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

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

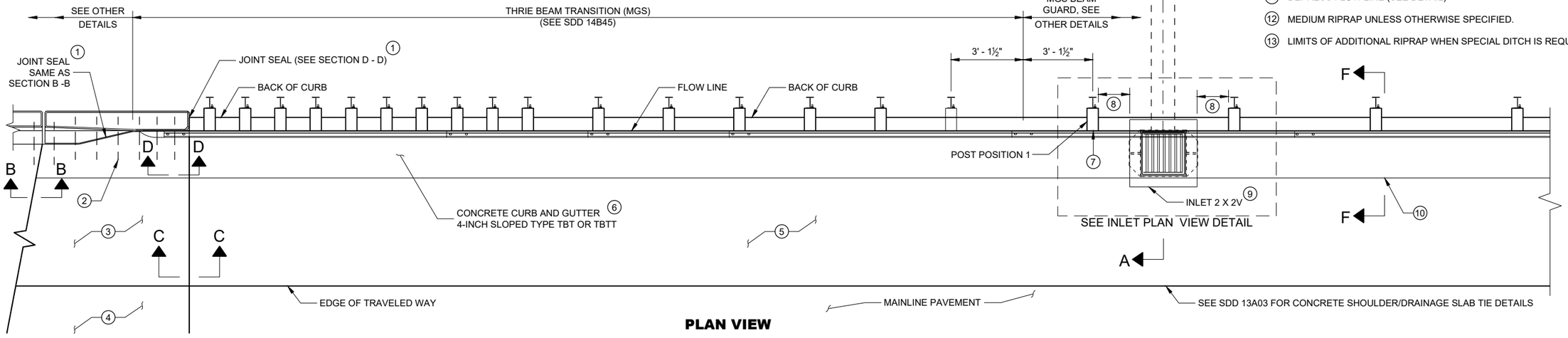
(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

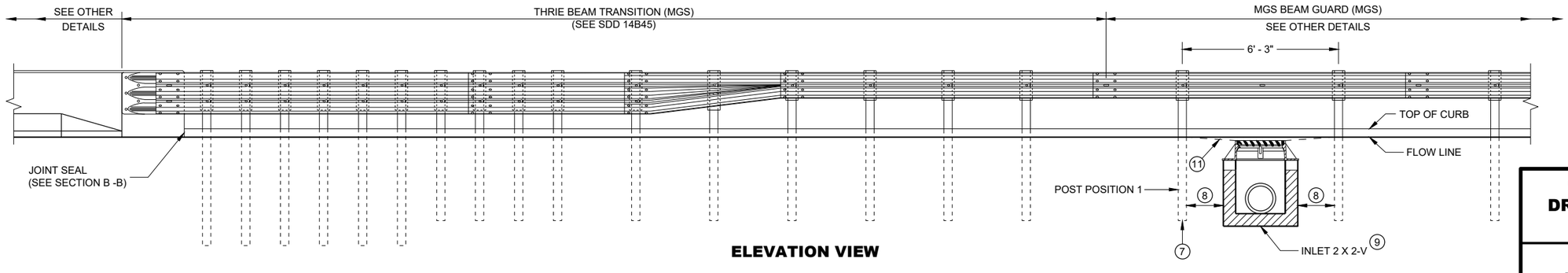
(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.



PLAN VIEW



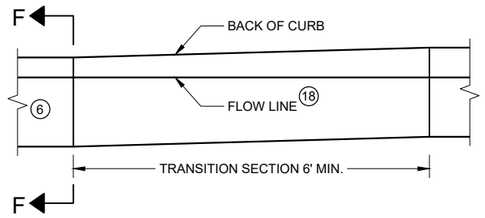
ELEVATION VIEW

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

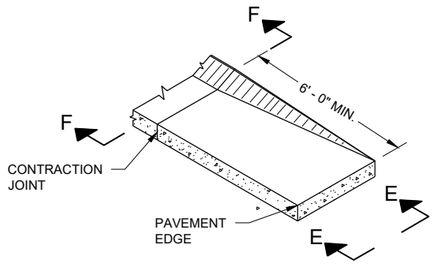
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

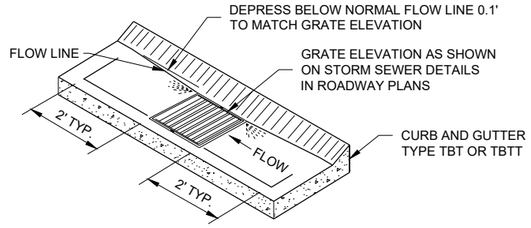
SDD 08D03 - 09a



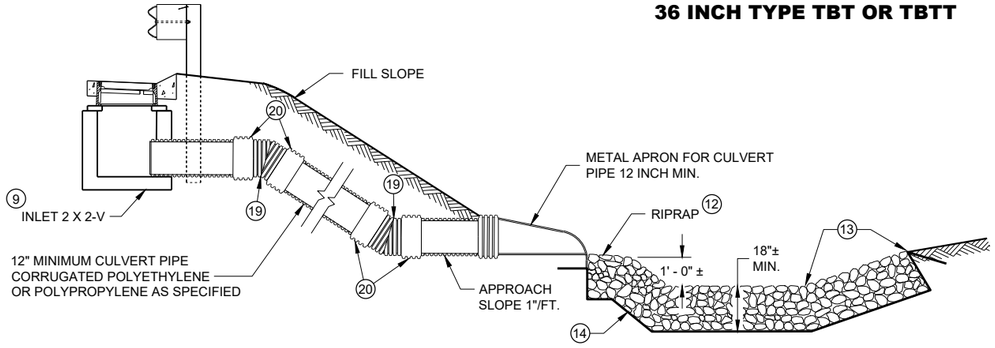
CURB AND GUTTER TRANSITION SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



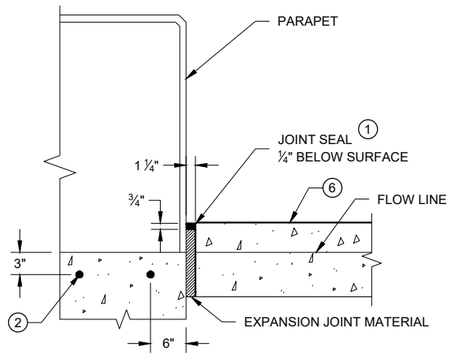
CURB AND GUTTER END SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



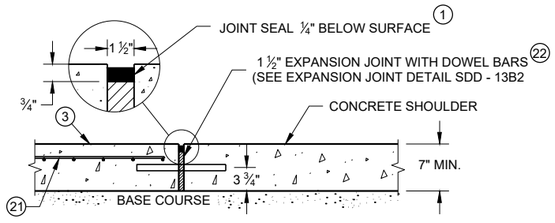
CURB AND GUTTER FLOW LINE DEPRESSION AT INLETS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



SECTION A - A

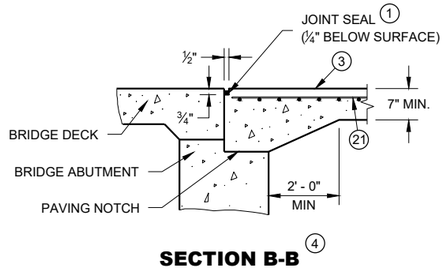


SECTION D - D

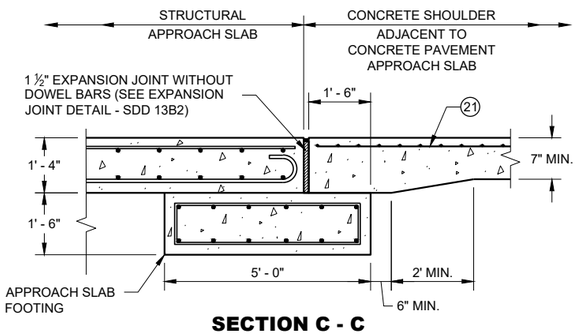


SECTION C - C

JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS

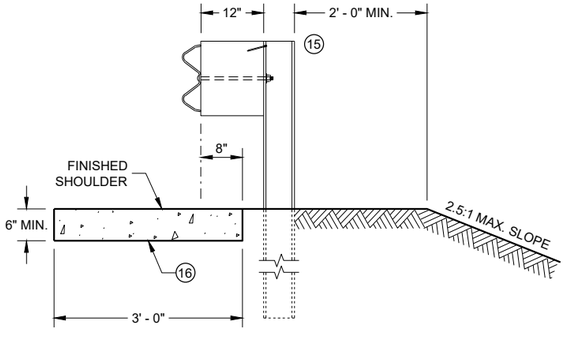


SECTION B-B 4

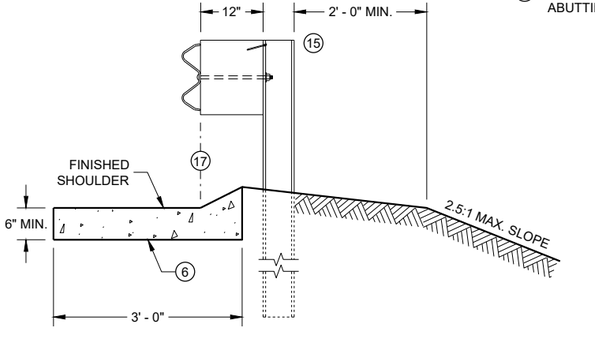


SECTION C - C

JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



SECTION E - E



SECTION F - F

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.

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

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(14) GEOTEXTILE TYPE HR.

(15) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(16) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

(17) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(18) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

(19) MANUFACTURER SUPPLIED BEND.

(20) MANUFACTURER SUPPLIED EXTERNAL MECHANICAL COUPLING OR A MANUFACTURER RECOMMENDED COUPLING WITH A MASTIC IMPREGNATED GEOTEXTILE WRAP AND MECHANICAL FASTENING BANDS.

(21) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

(22) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

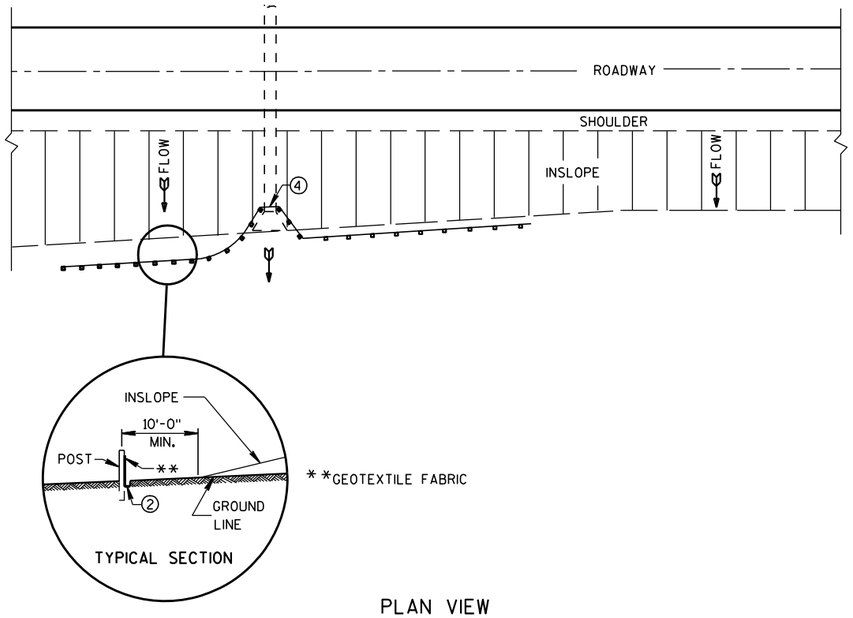
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

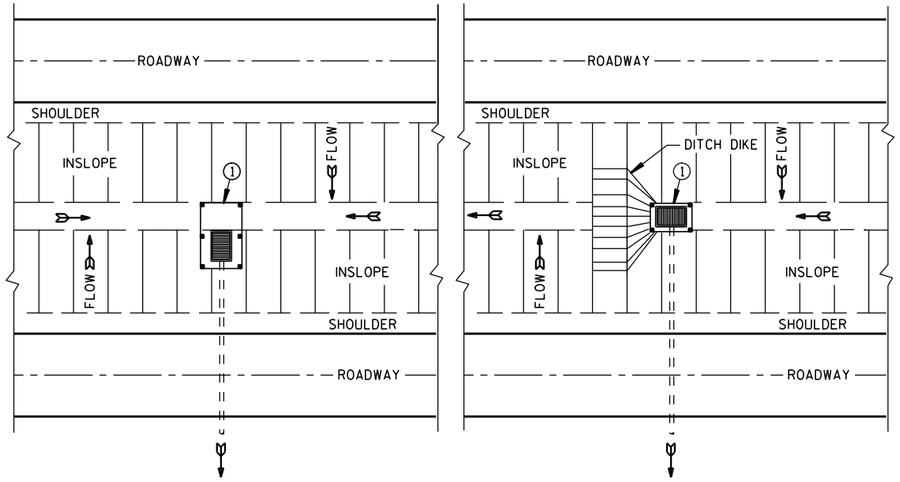
6

SDD 08D03 - 09b
SDD 08D03 - 09b



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



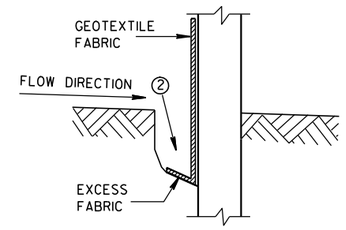
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

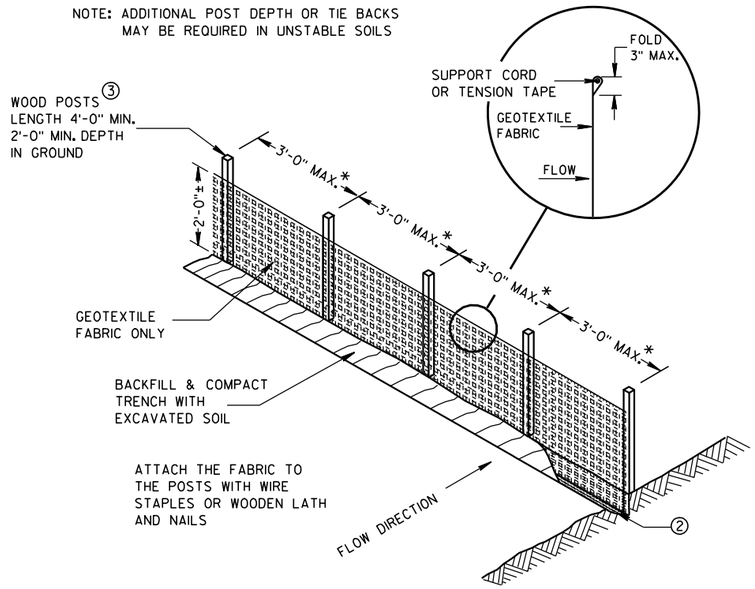
GENERAL NOTES

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

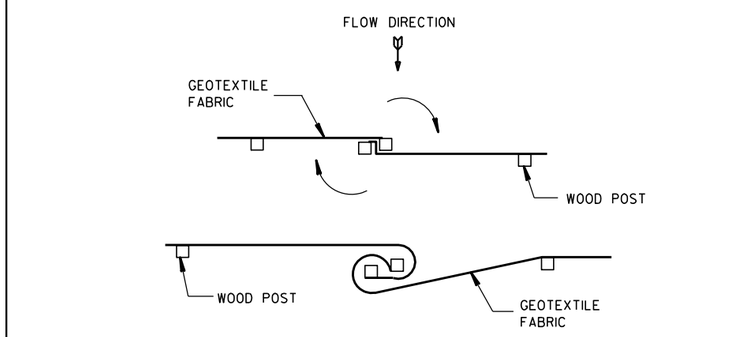
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



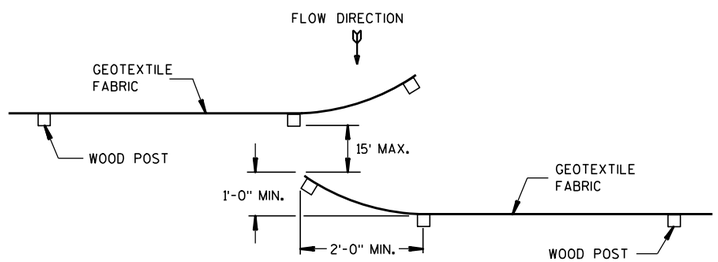
TRENCH DETAIL



SILT FENCE

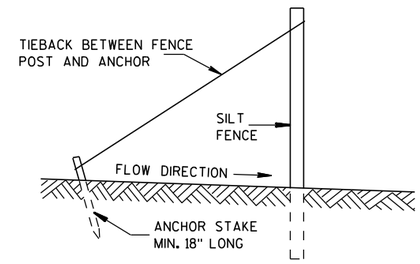


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

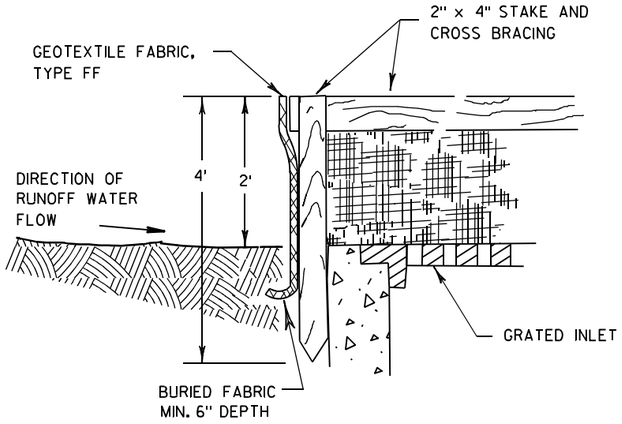
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

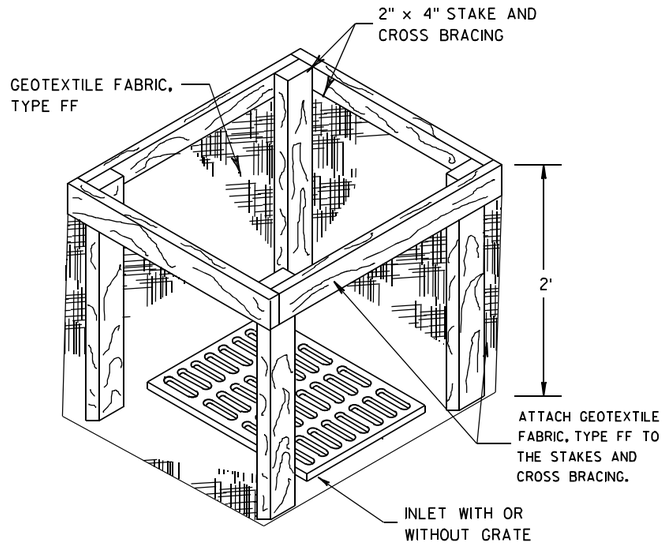
6

S.D.D. 8 E 9-6

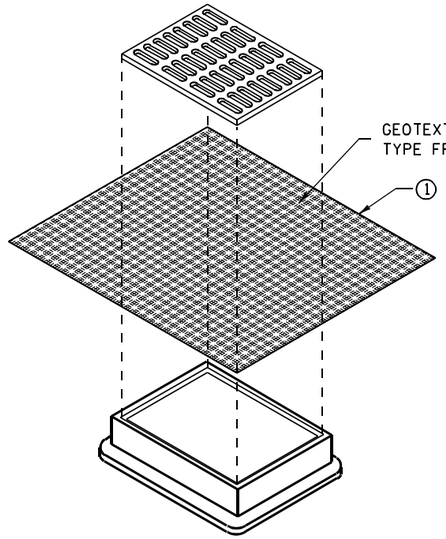
6

S.D.D. 8 E 9-6



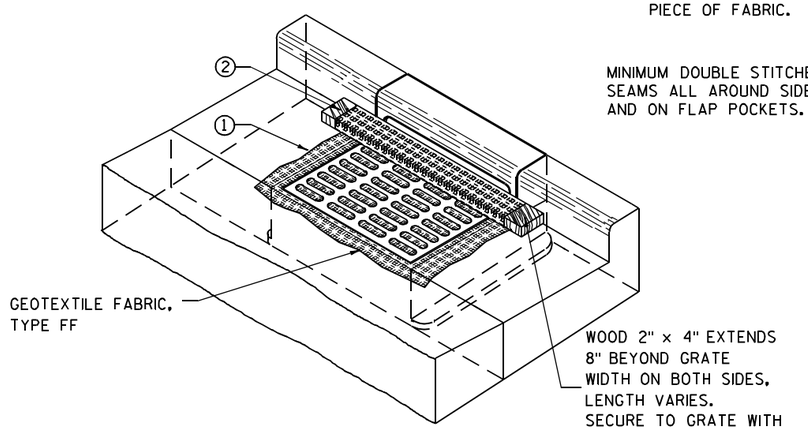


INLET PROTECTION, TYPE A

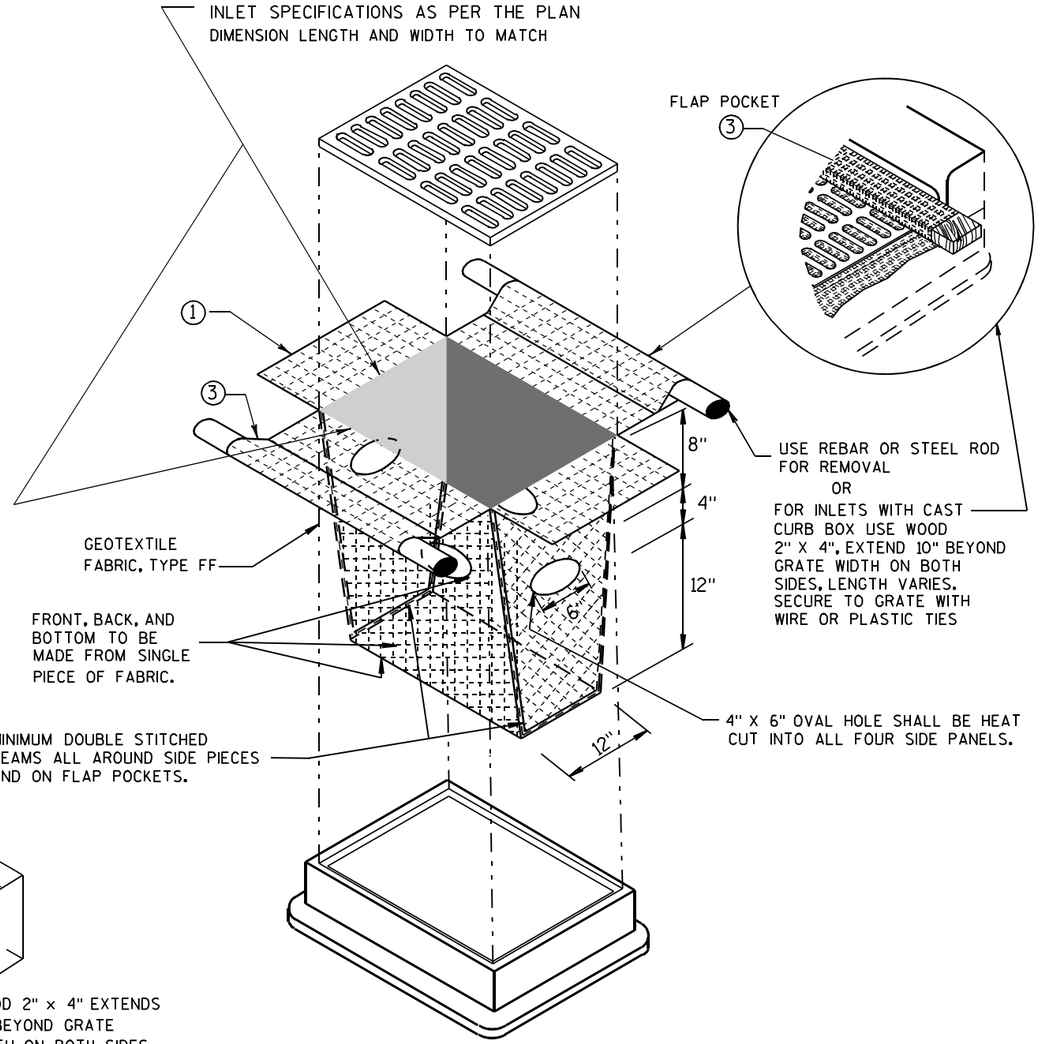


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

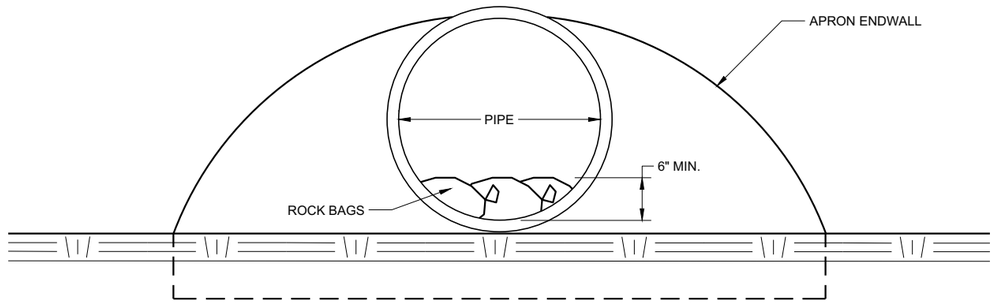
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

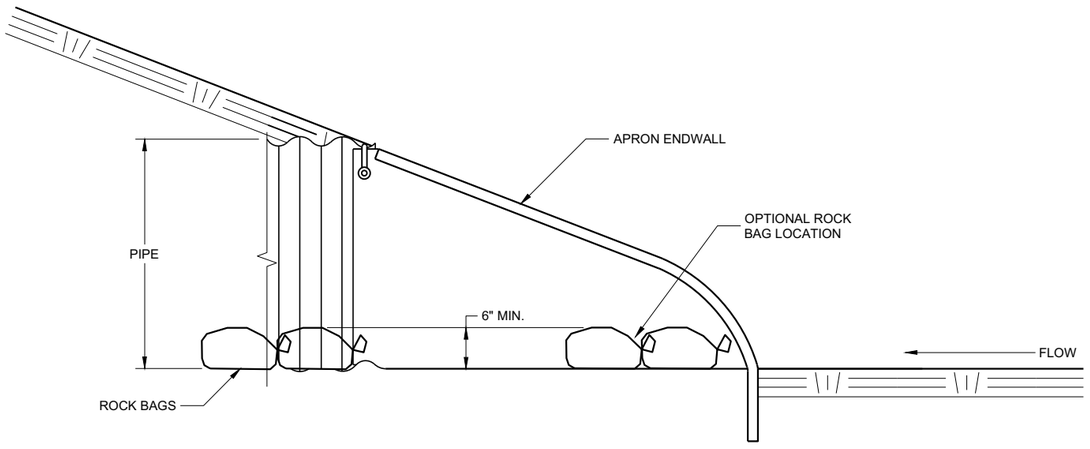
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

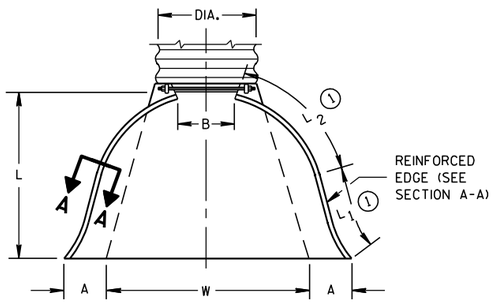
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

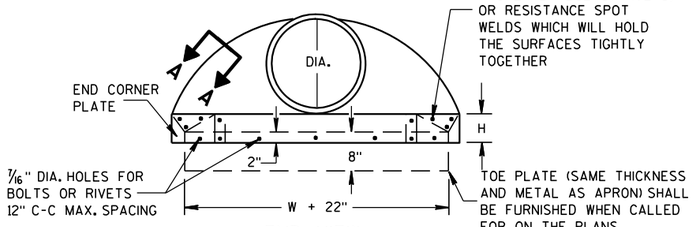
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

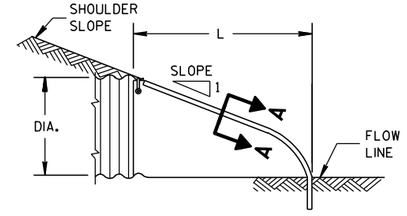
*MINIMUM
**MAXIMUM



PLAN VIEW

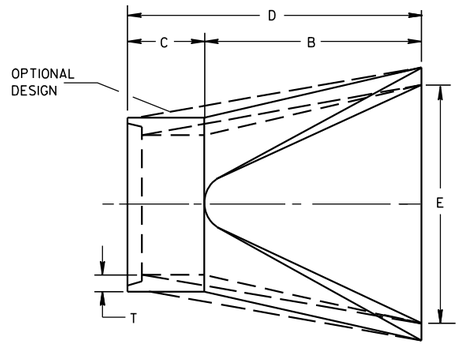


END VIEW

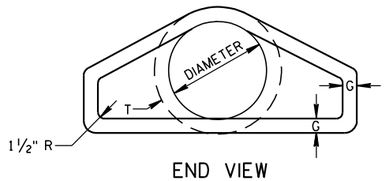


SIDE ELEVATION

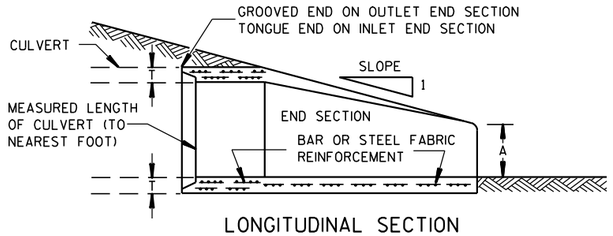
METAL ENDWALLS



PLAN

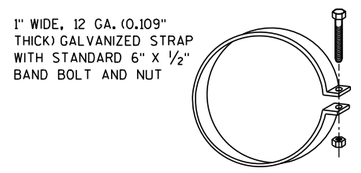


END VIEW



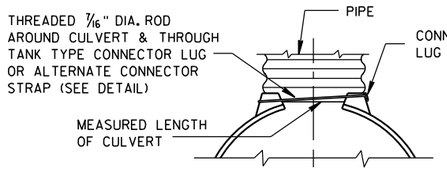
LONGITUDINAL SECTION

CONCRETE ENDWALLS

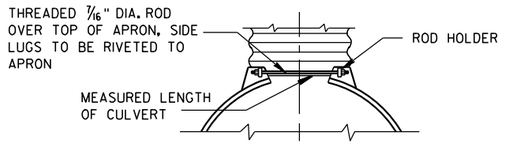


ALTERNATE FOR TYPE 1 CONNECTION

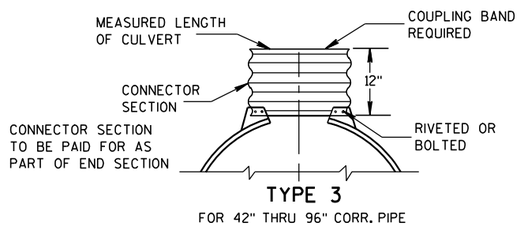
END SECTION CONNECTOR STRAP



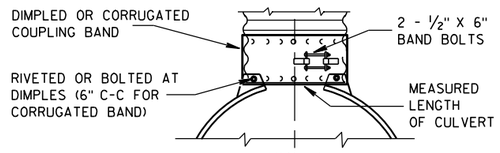
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

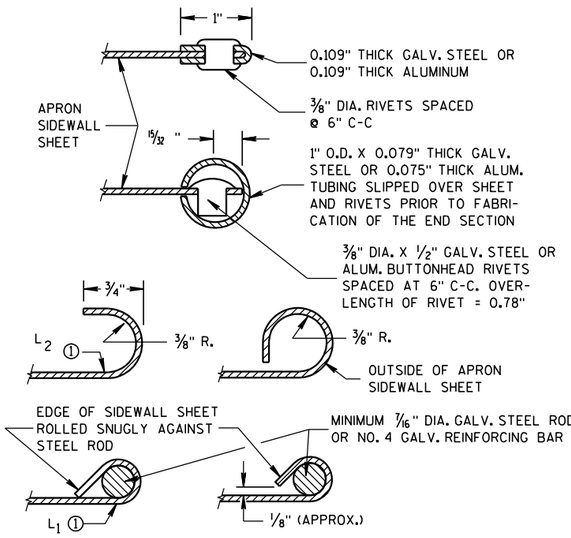
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

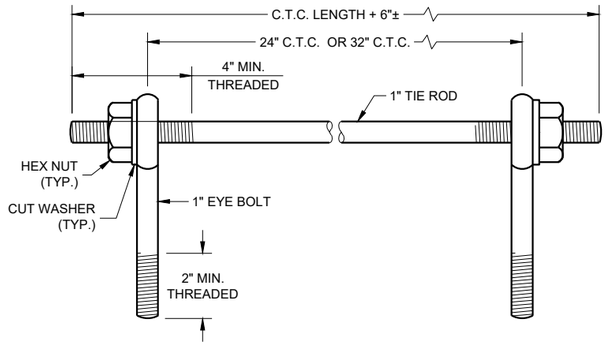
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

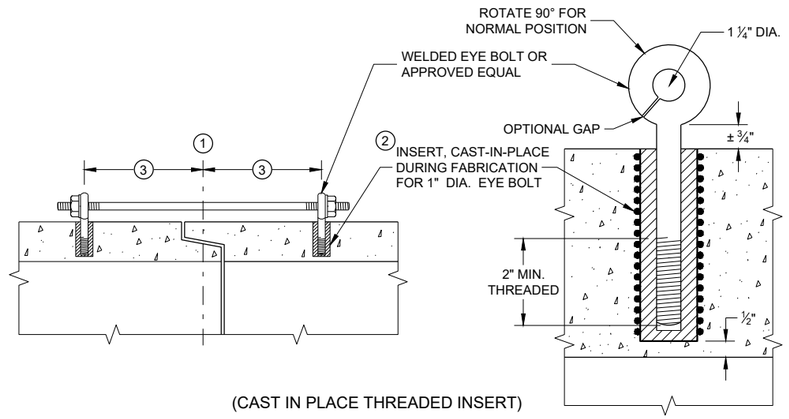
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith 405 NEER
CHIEF ROADWAY DEVELOP
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

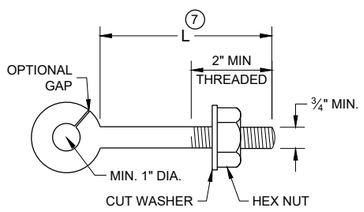
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

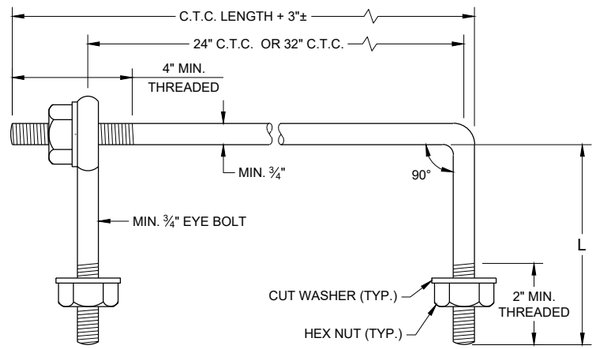
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

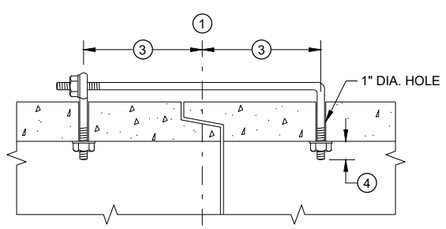


EYE BOLT (7)

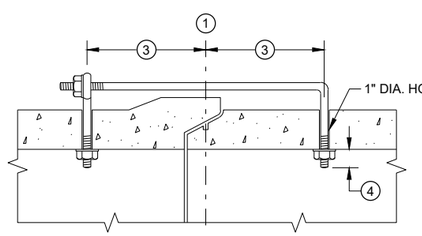
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

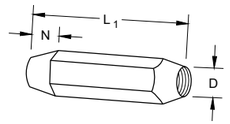
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

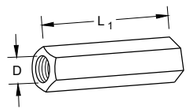
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



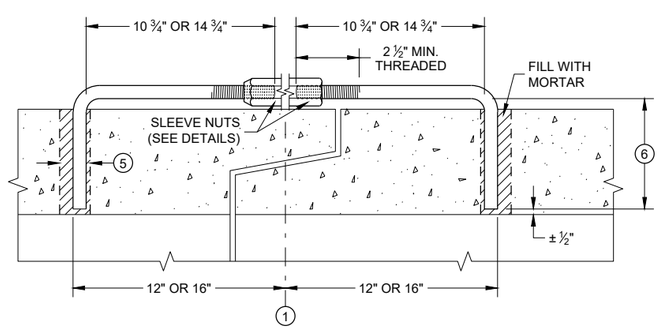
TAPERED



PLAIN

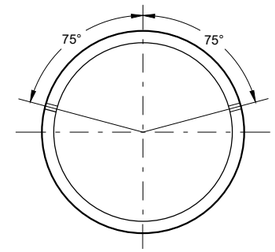
RIGHT AND LEFT THREADS

SLEEVE NUTS



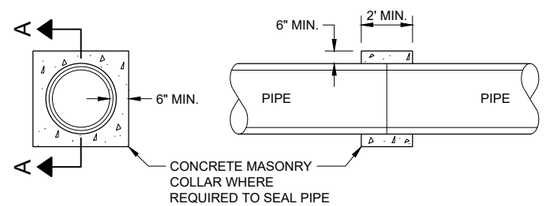
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

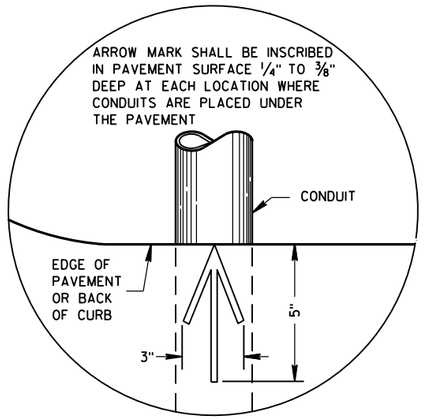
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

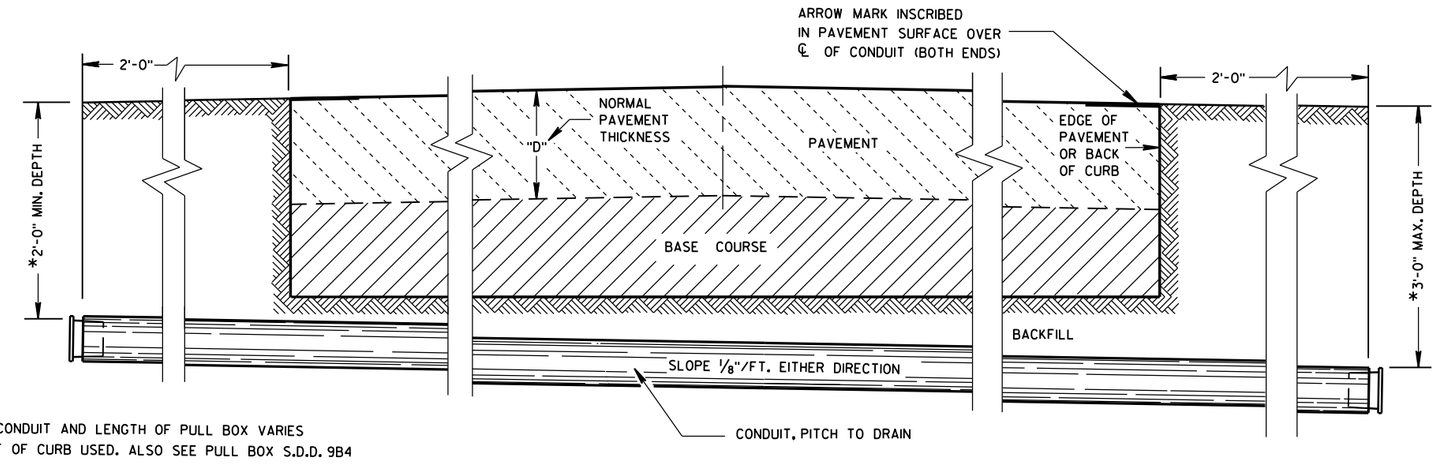
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



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

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

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

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

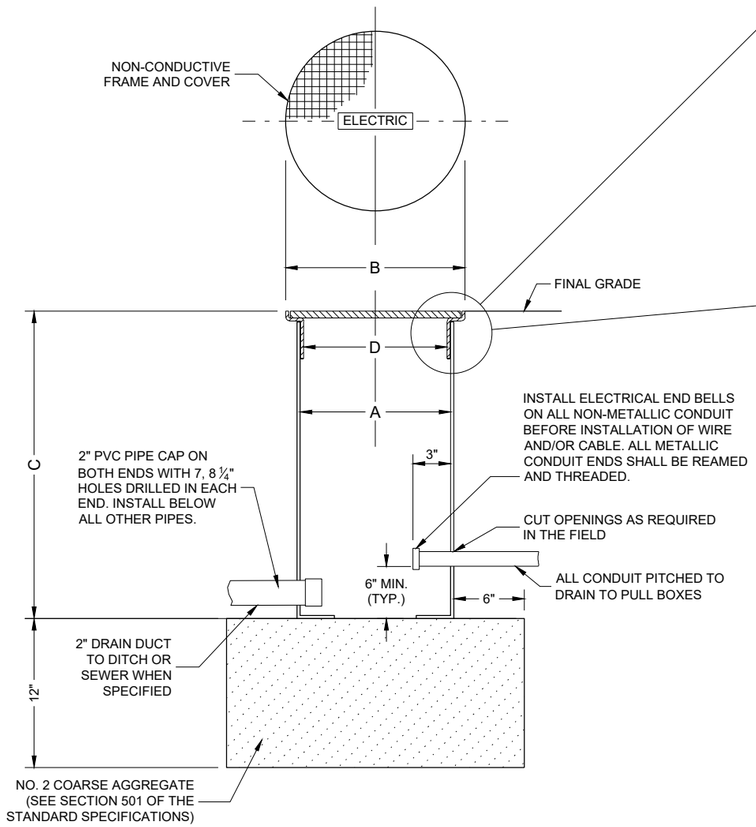
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

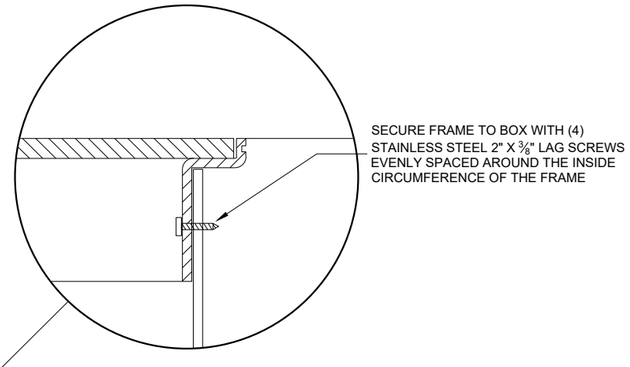
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

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

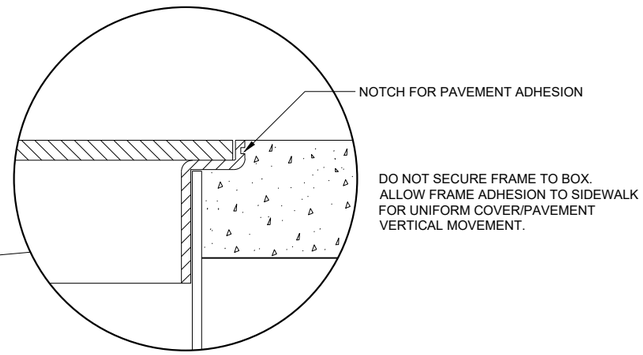
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



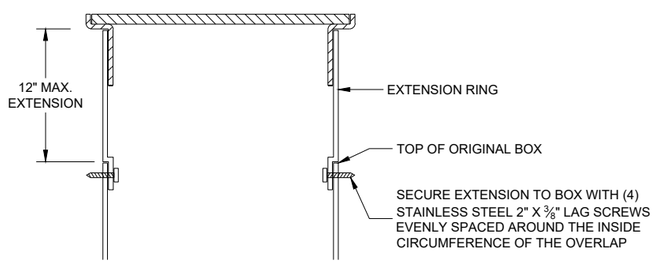
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

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

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

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

COVER SHALL BE MAGNETICALLY LOCATABLE.

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

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

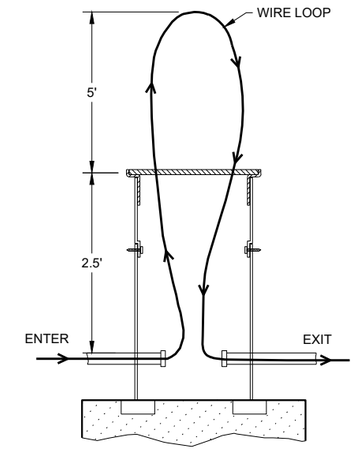
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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

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

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

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



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

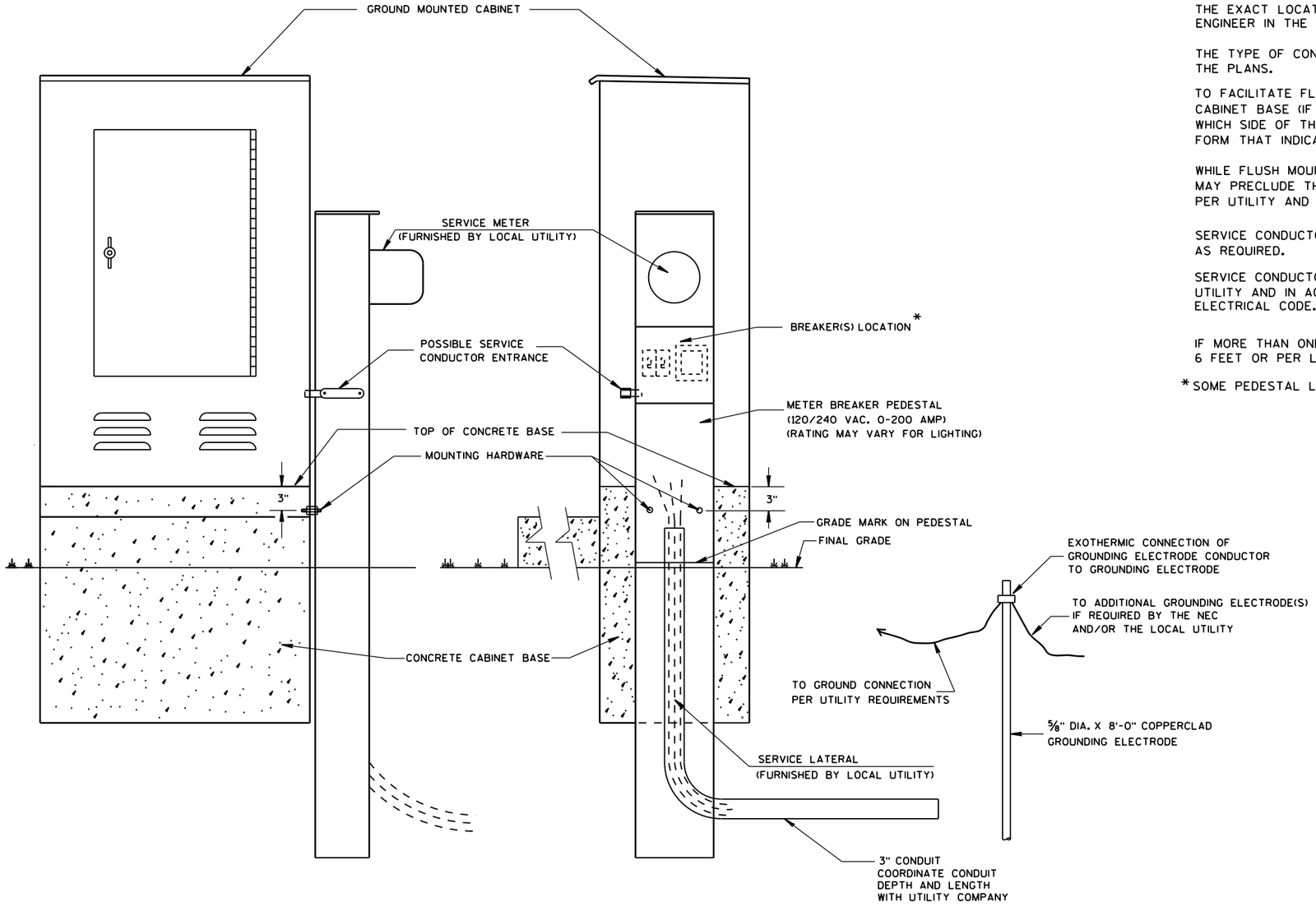
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 408

FHWA

6
SDD 09B16 - 02



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

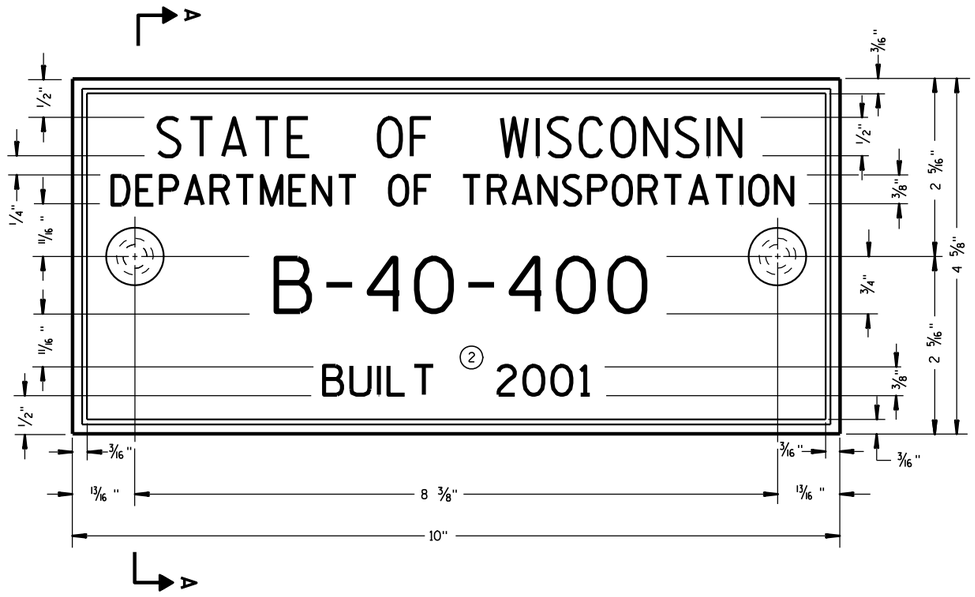
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

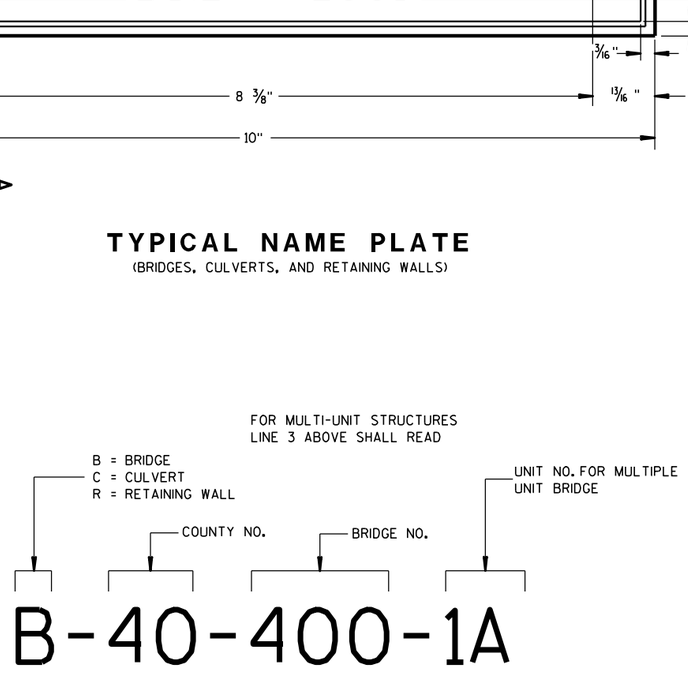
APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

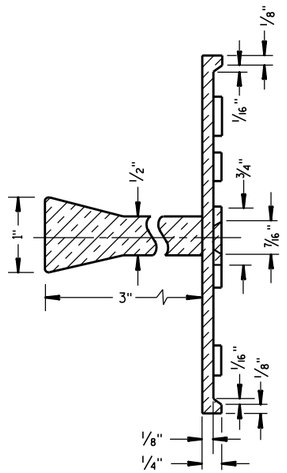
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

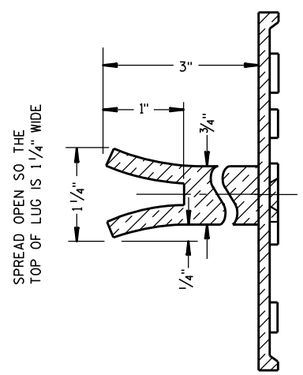
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

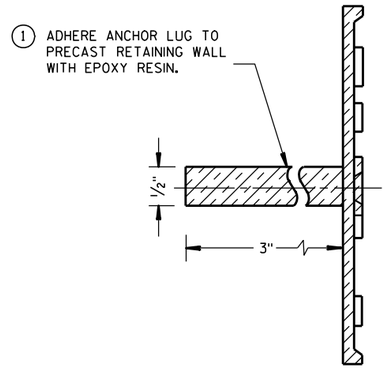
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOP 410 ENGINEER

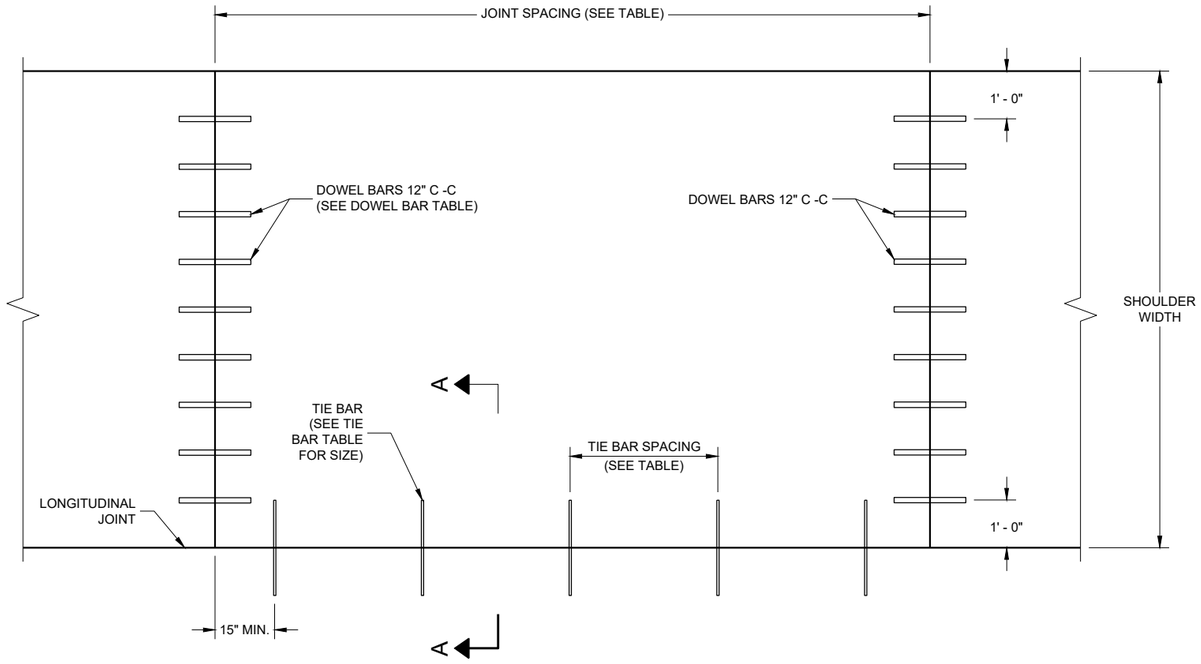
FHWA

6

S.D.D. 12 A 3-10

6

S.D.D. 12 A 3-10



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

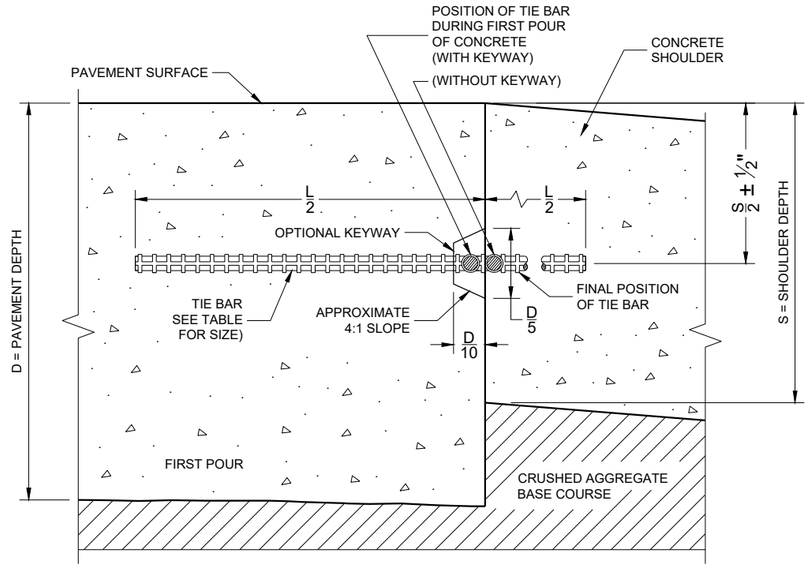
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A - A

LONGITUDINAL CONSTRUCTION JOINT

TIE BAR TABLE

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

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

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

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER ***	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12"
7", 7 ½"	1"	14"
8" & ABOVE	1 ¼"	15"

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FRO THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

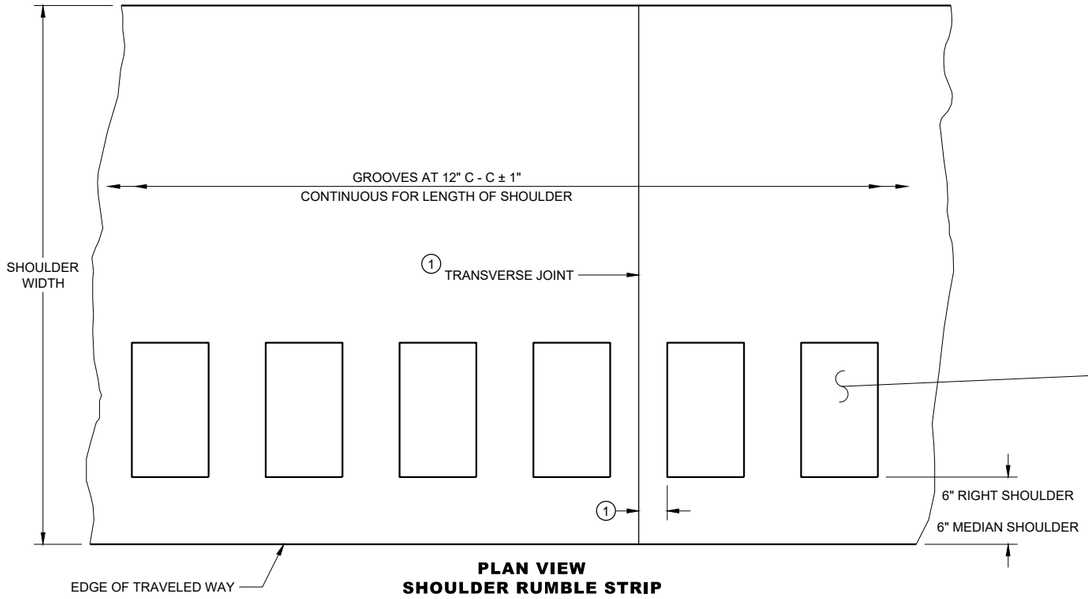
APPROVED
November 2022
DATE

/S/ Peter Kemp
PAVEMENT SUPERVISOR

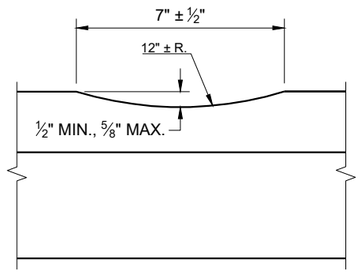
FHWA

6

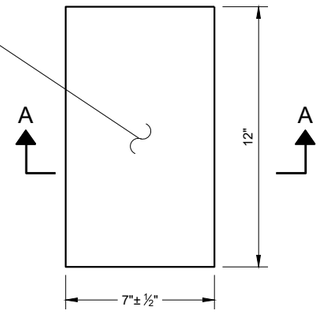
SDD 13A03 - 07



PLAN VIEW
SHOULDER RUMBLE STRIP



SECTION A - A



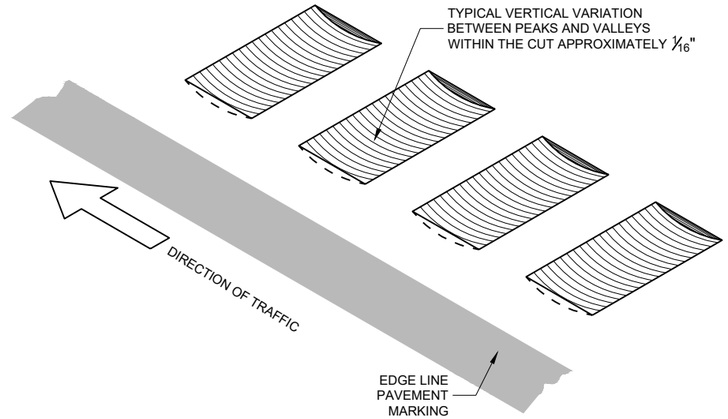
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

SDD 13A5, SHEET "b" SHOWS THE LOCATION OF THE RUMBLE STRIPS AT RAMP AND GORE LOCATIONS.

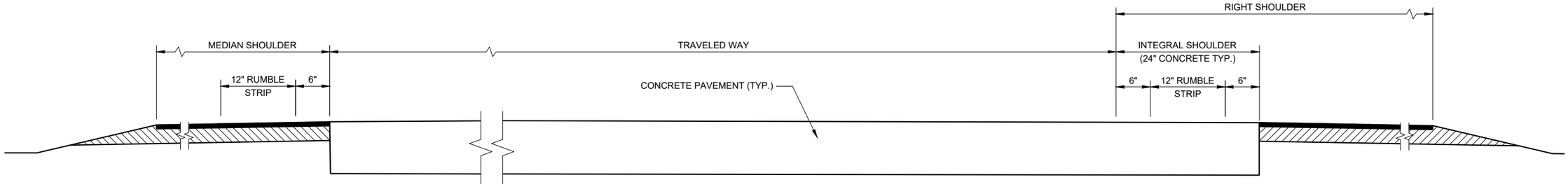
RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL AND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC

PLACEMENT DETAIL FOR RUMBLE STRIP



SECTION VIEW

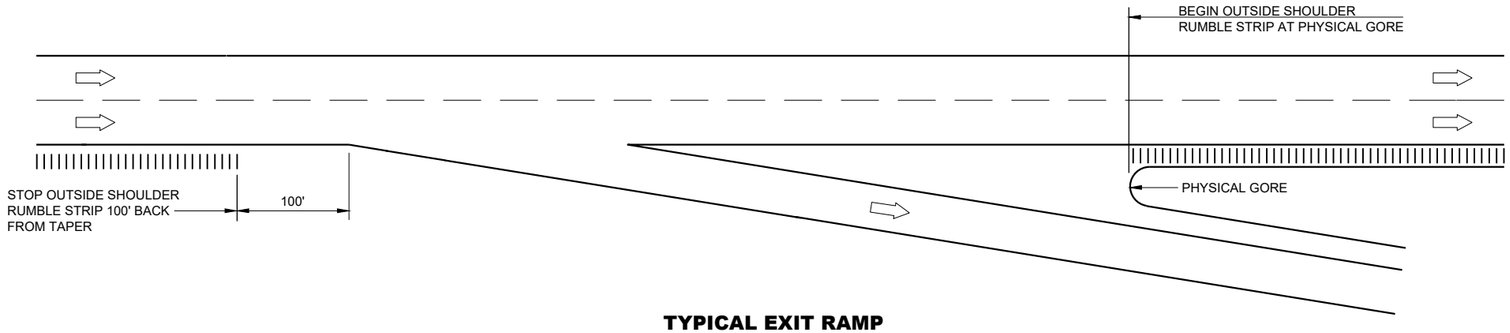
TYPICAL SHOULDER RUMBLE STRIPS
(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13A05-06a



TYPICAL EXIT RAMP

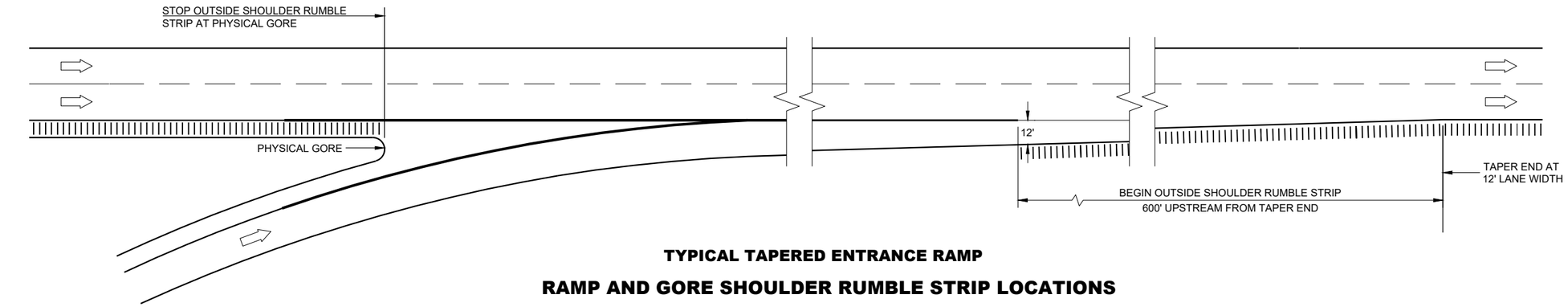
GENERAL NOTES

NO RUMBLE STRIP ON EXIT, DIRECTIONAL OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIALAND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

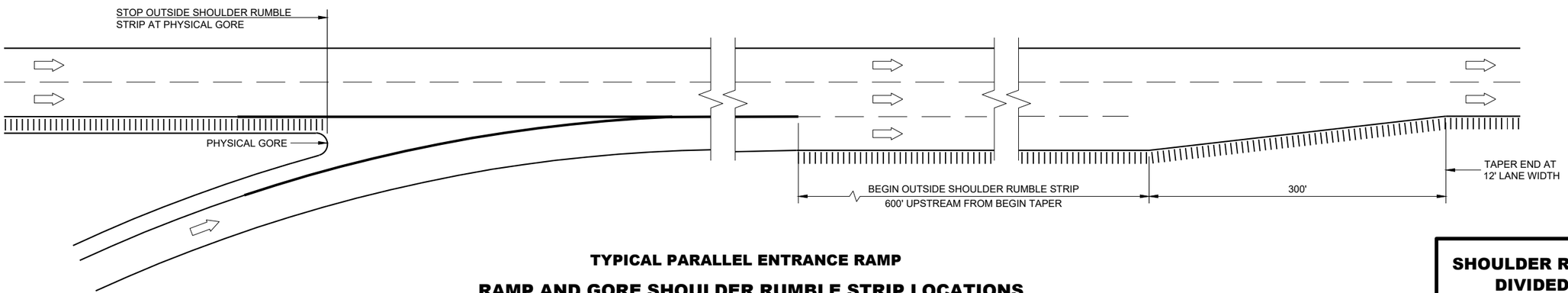
LEGEND

DIRECTION OF TRAFFIC



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

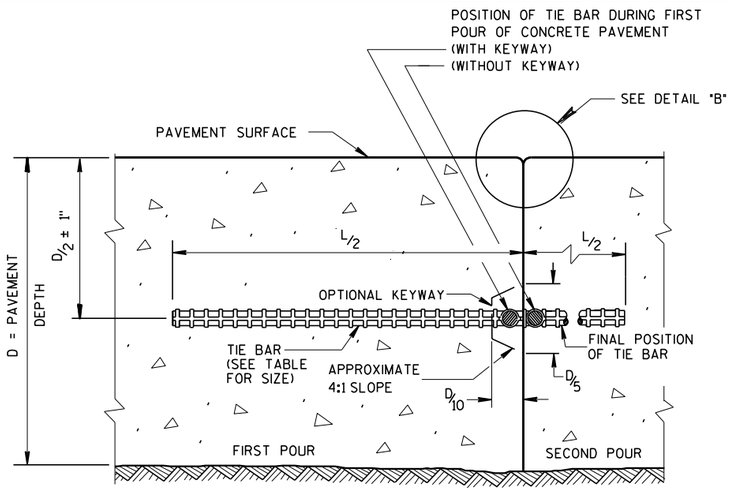
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

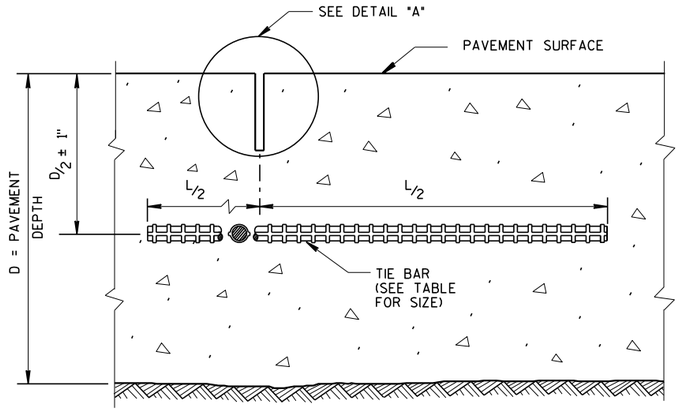
/S/ Rodney Taylor
ROADWAY DESIGN STANDARDS
UNIT SUPERVISOR

FHWA

6
SDD 13A05-06b



CONSTRUCTION JOINT



SAWED JOINT

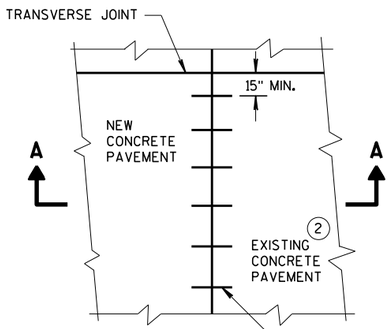
GENERAL NOTES

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

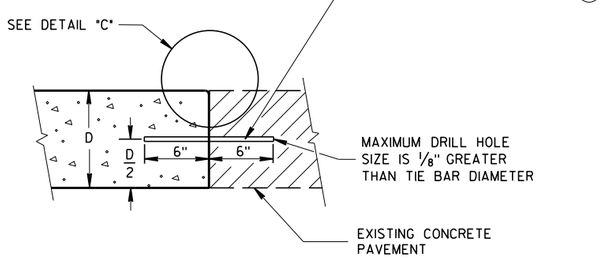
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

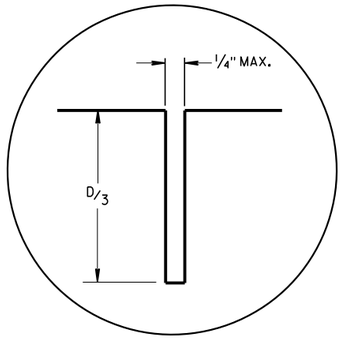


PLAN VIEW

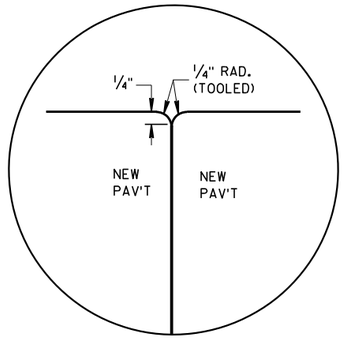


SECTION A-A

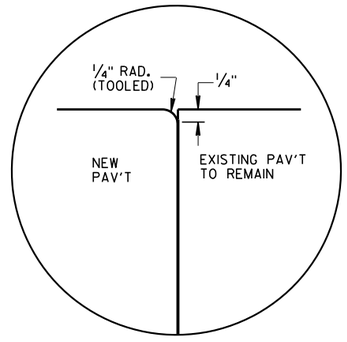
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



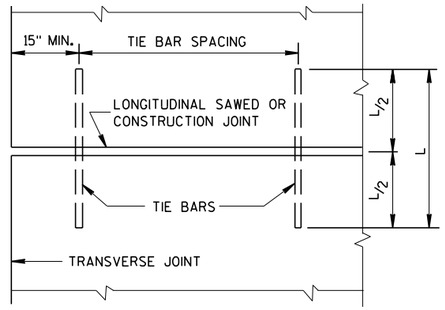
DETAIL "C"

TIE BAR TABLE

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

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

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



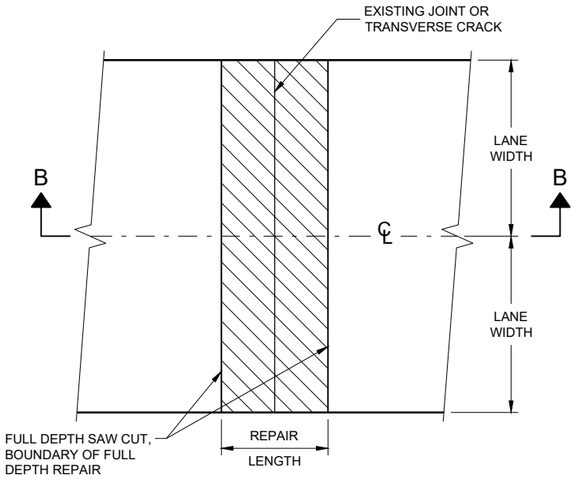
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

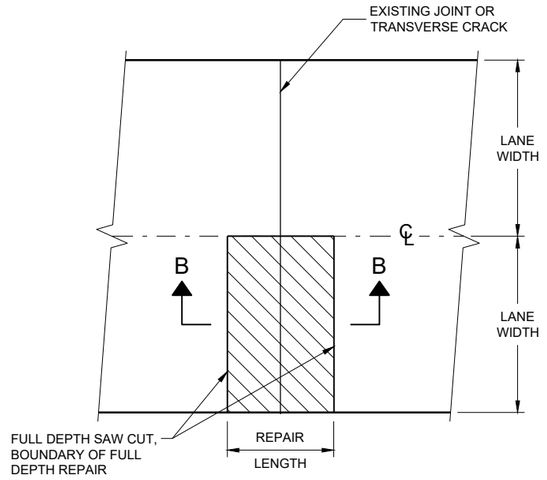
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE
FHWA

6
S.D.D. 13 C 1-19



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

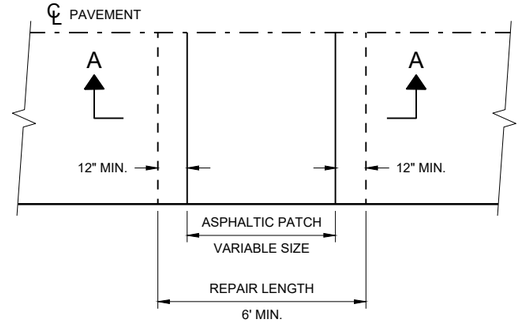
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

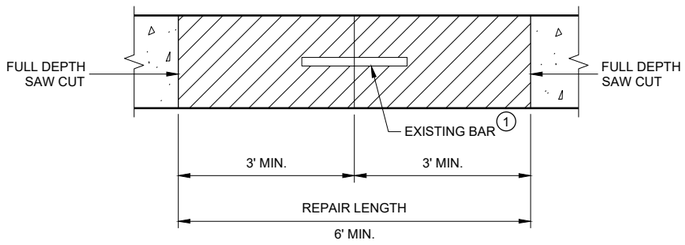
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.



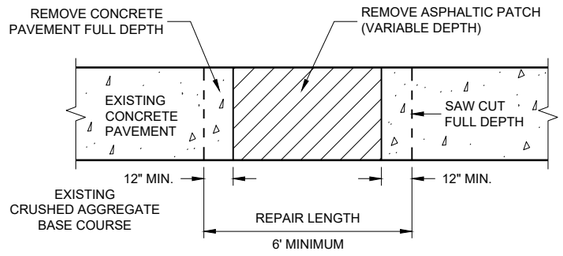
PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B

CONCRETE REMOVAL



SECTION A - A

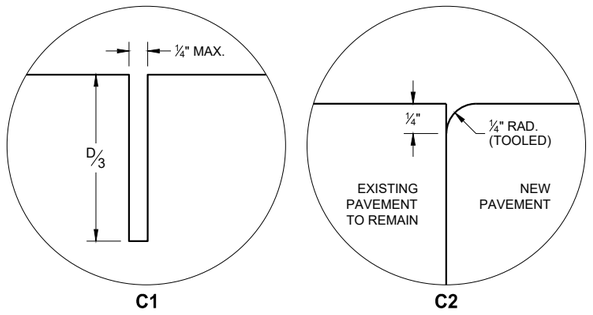
HMA PATCH REMOVAL

CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

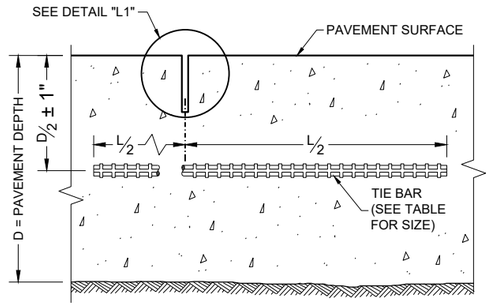
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD13C09 - 17a

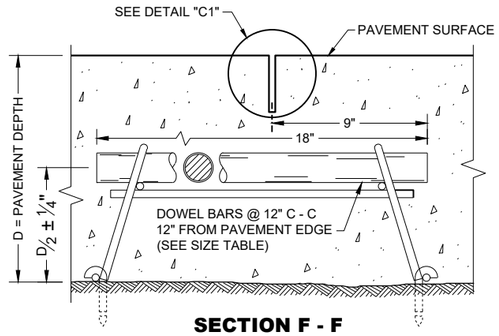


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

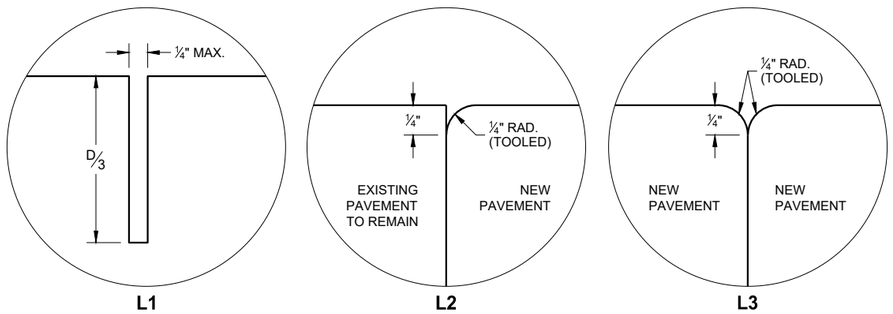
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

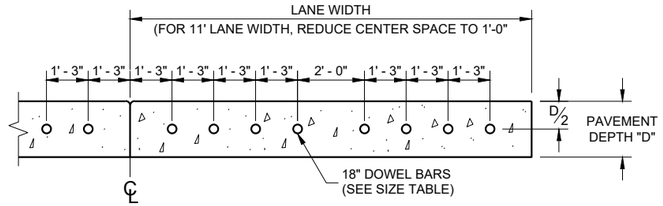
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

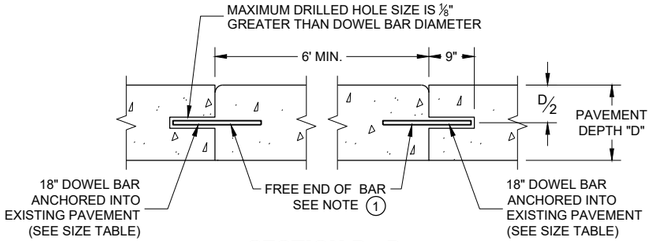


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

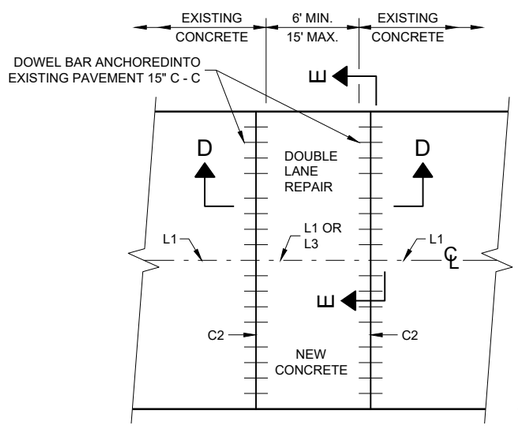
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

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

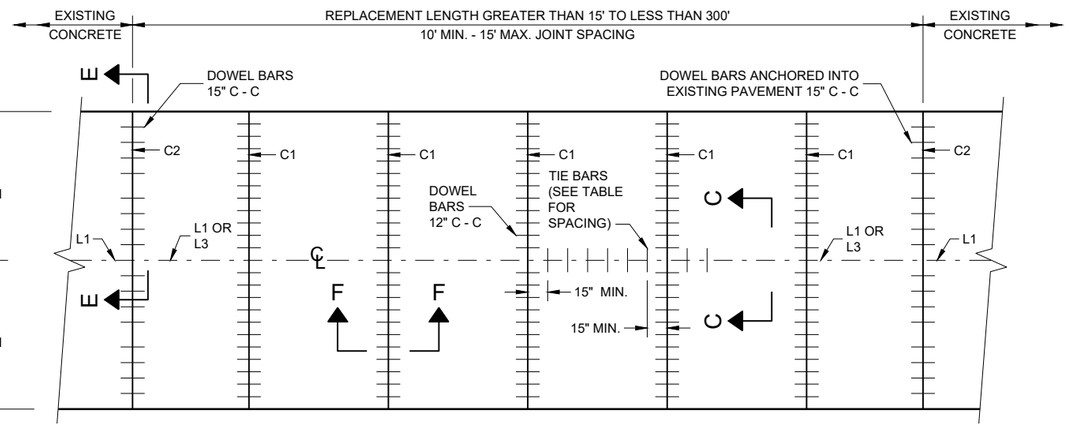
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	NONE	12'
7", 7 ½"	1"	1"	14'
8" & ABOVE	1 ¼"	1 ¼"	15'



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

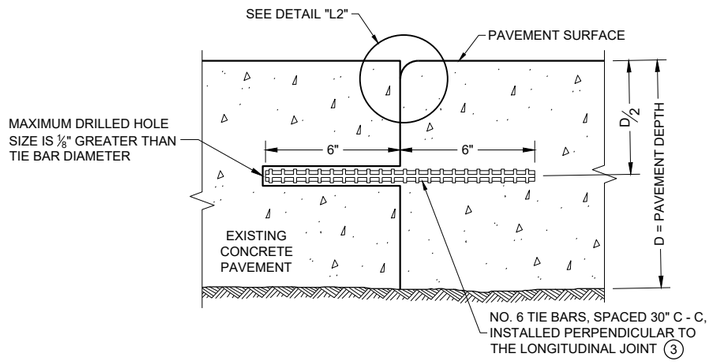
MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C09 - 17b
SDD 13C09 - 17b

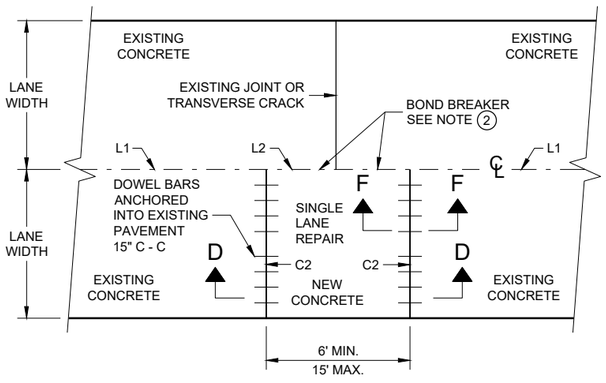


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

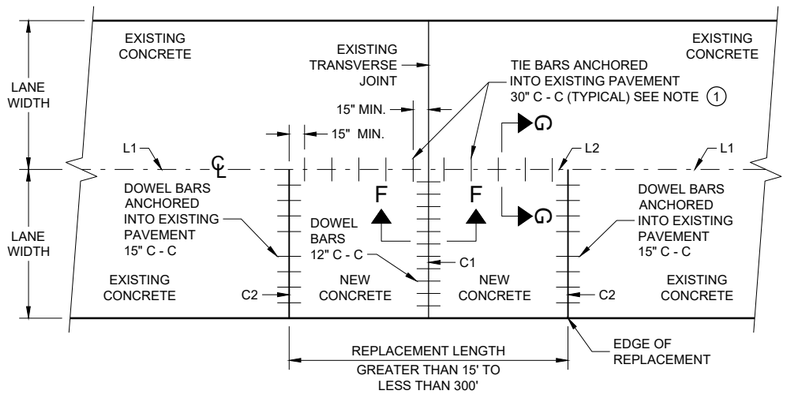
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

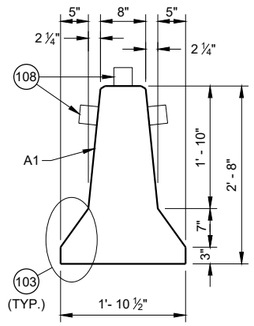
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

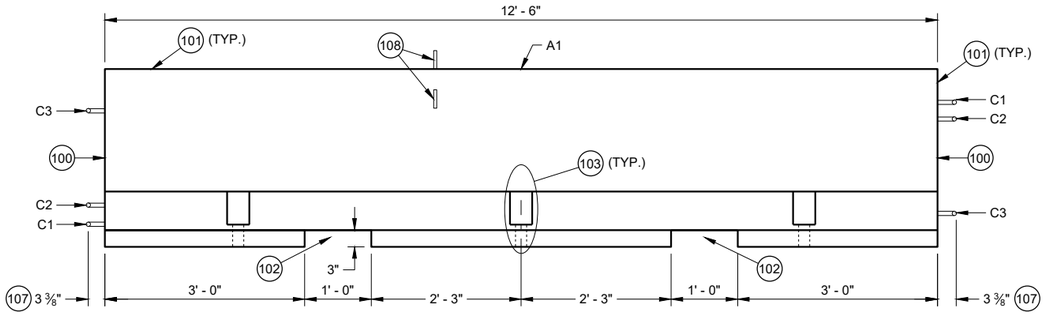
FHWA

6

SDD 13C09 - 17c



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

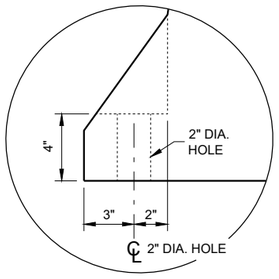
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

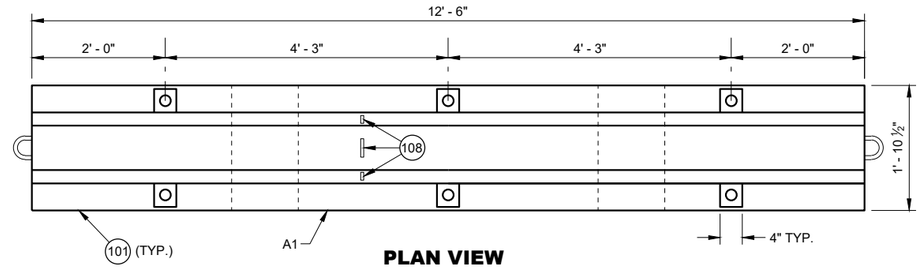
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

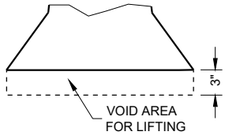


ANCHOR BLOCK DETAIL

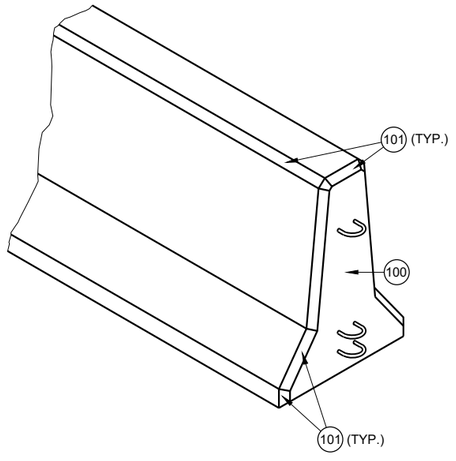


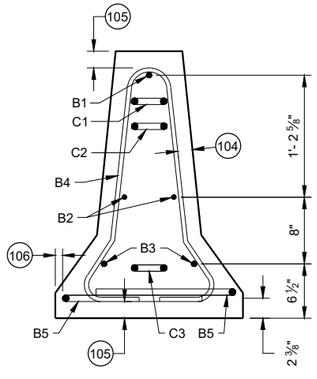
PLAN VIEW

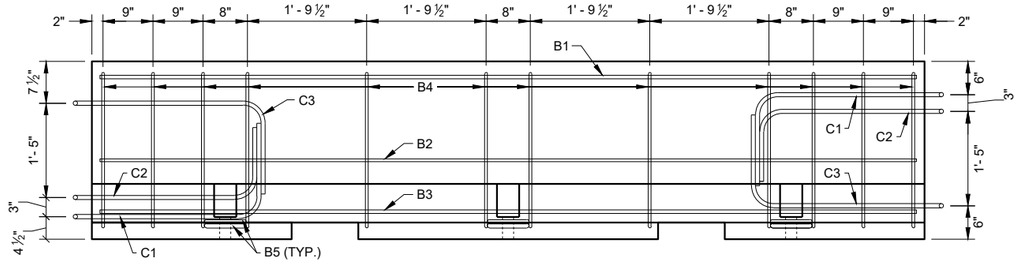
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







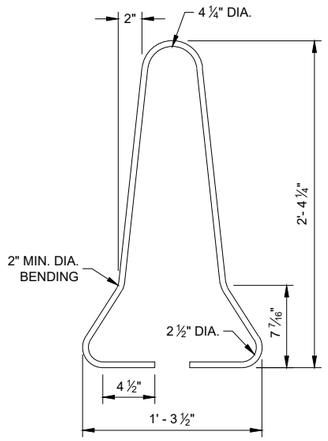
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

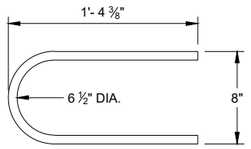
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

6

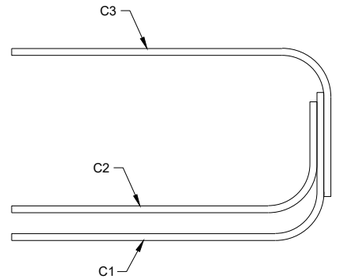
SDD 14B07-16a



B4 BAR DETAIL

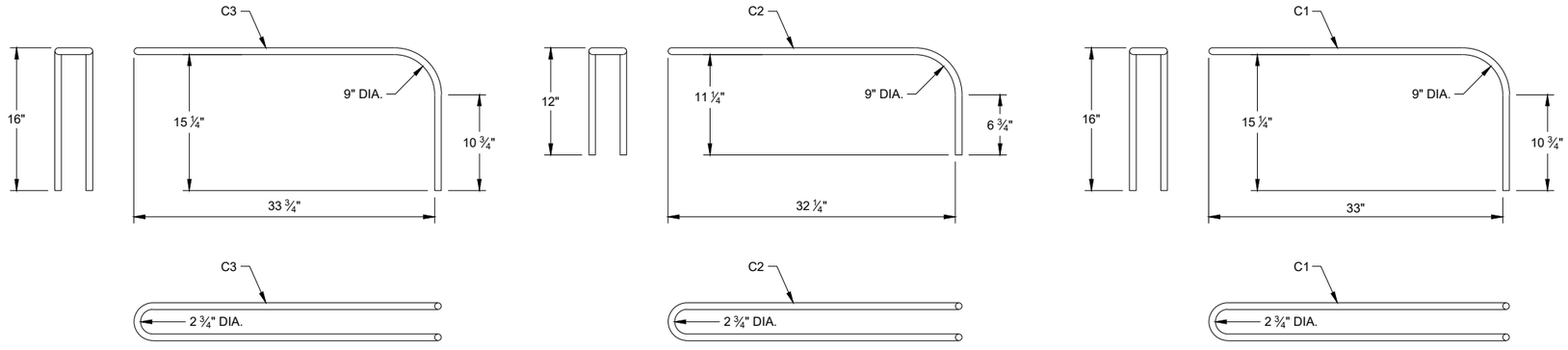


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY

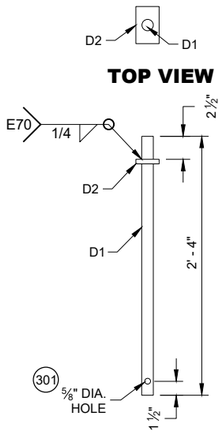


C BAR DETAILS

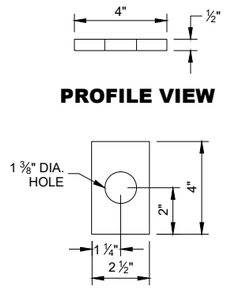
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16b

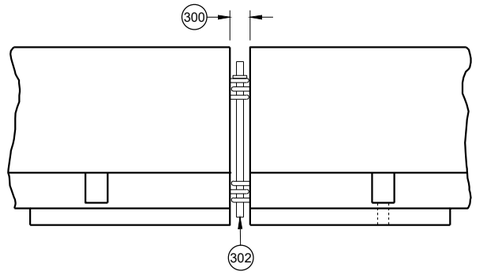


PROFILE VIEW



TOP VIEW
D2

CONNECTOR PIN ASSEMBLY



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

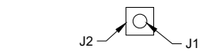
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

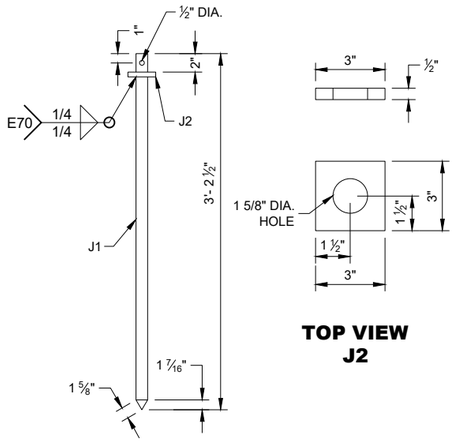
306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

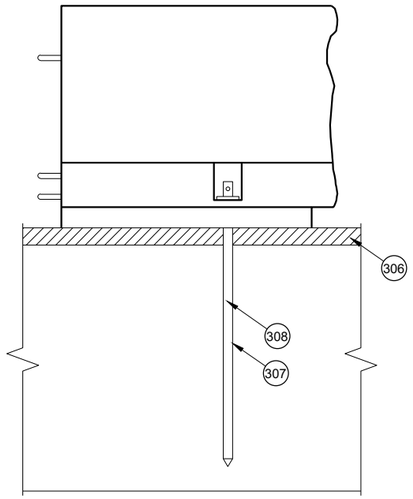
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.





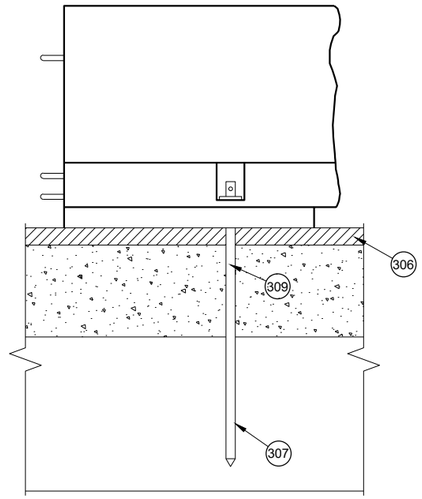
PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY



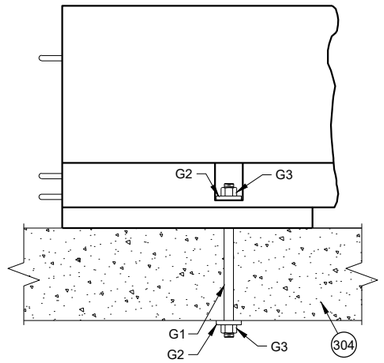
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



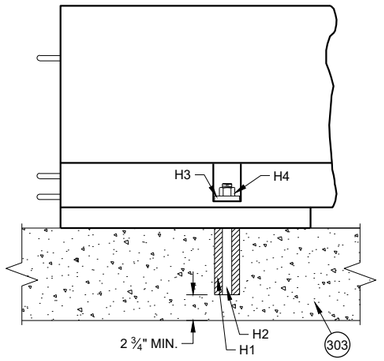
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



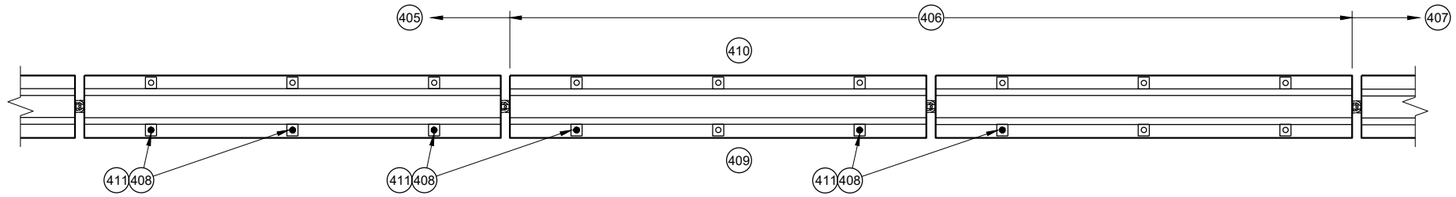
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

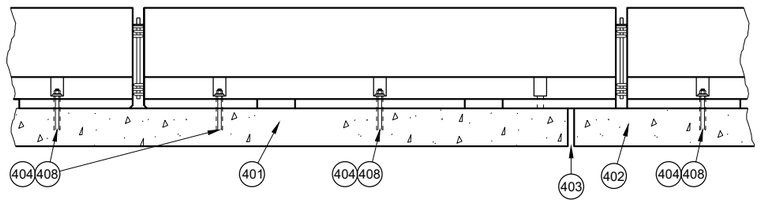
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16c



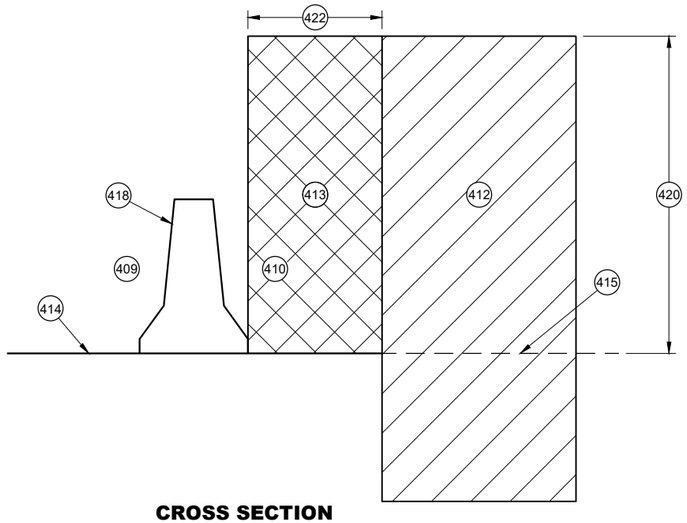
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



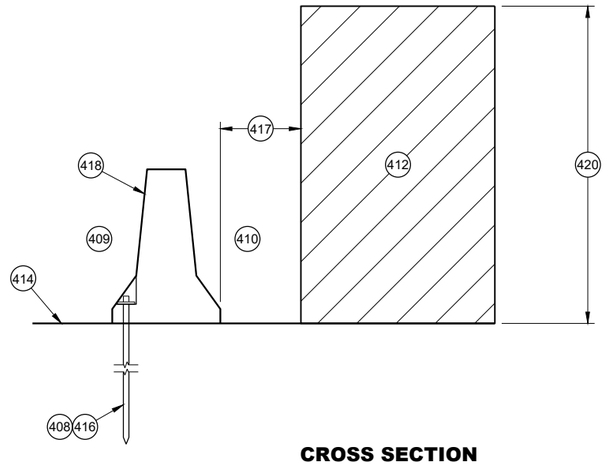
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



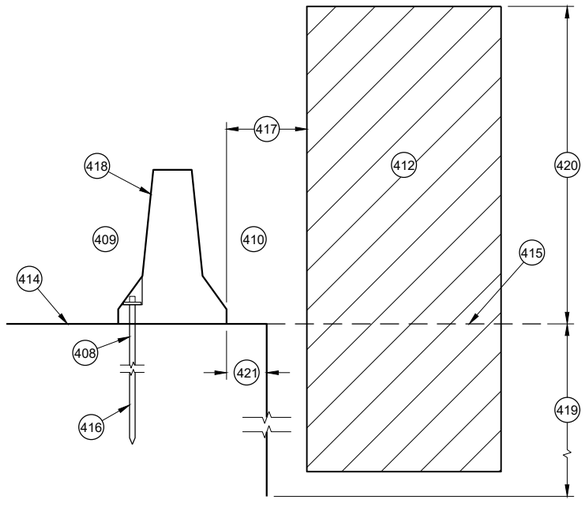
CROSS SECTION

FREE STANDING BARRIER



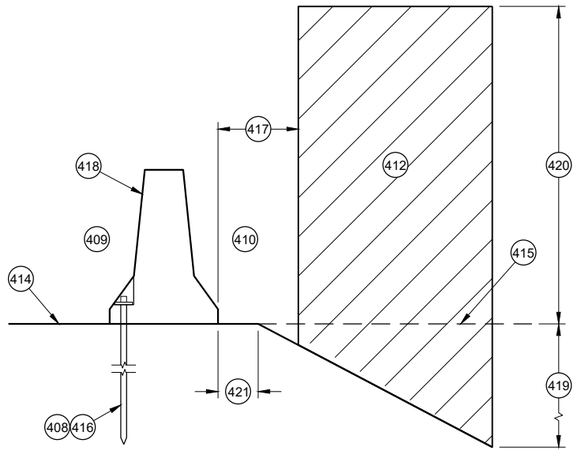
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16d

GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

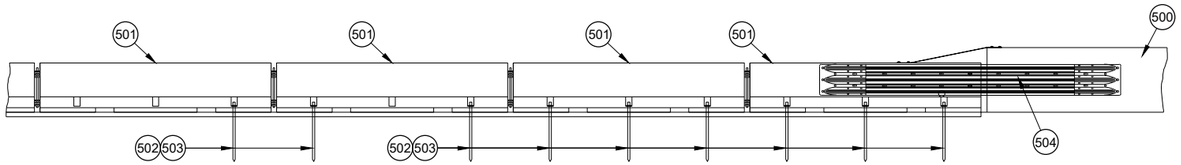
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

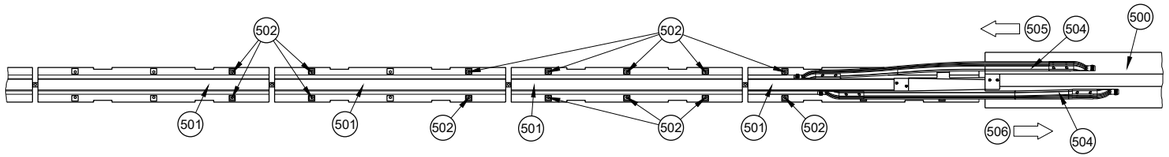
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

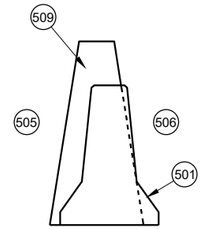
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



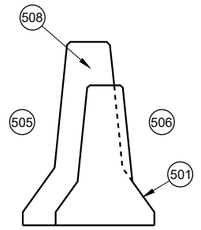
PROFILE VIEW



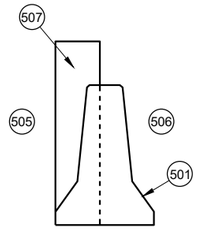
PLAN VIEW



CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE

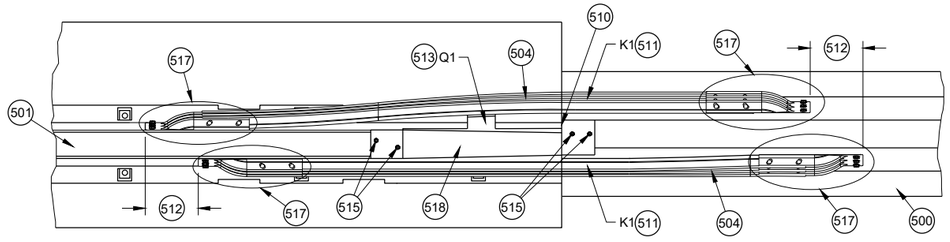


CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE

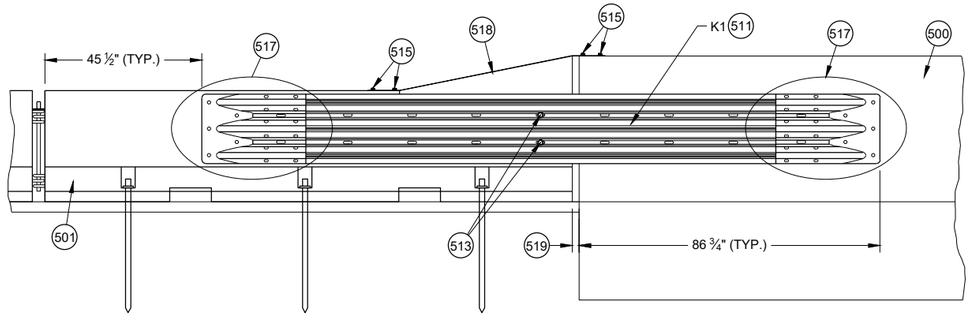


CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL

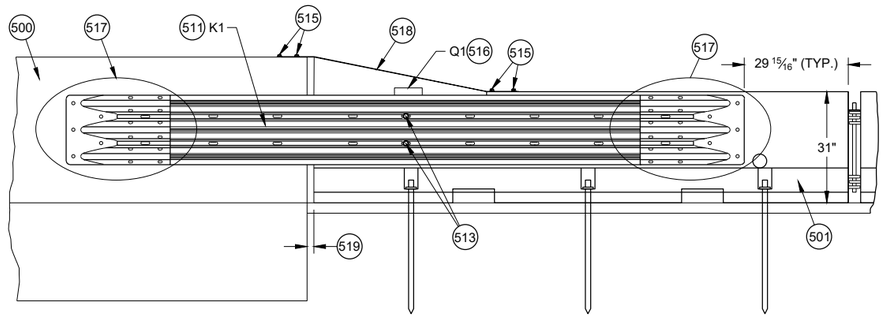
PLAN VIEW
TRANSITION TO RIGID BARRIER



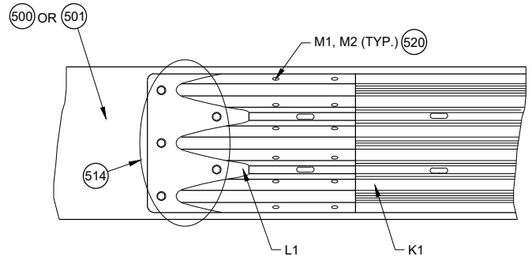
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER

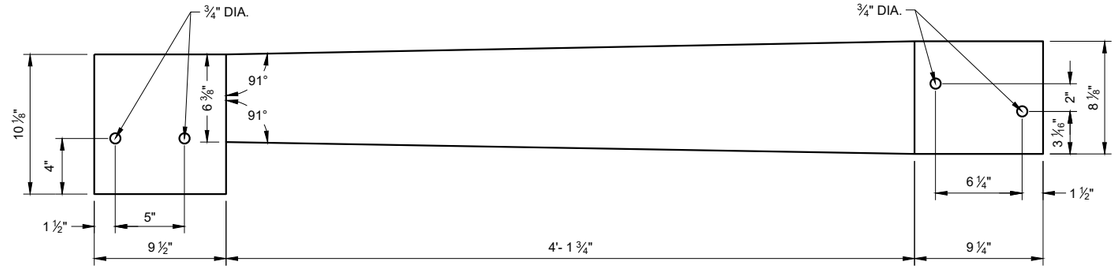


(517) DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

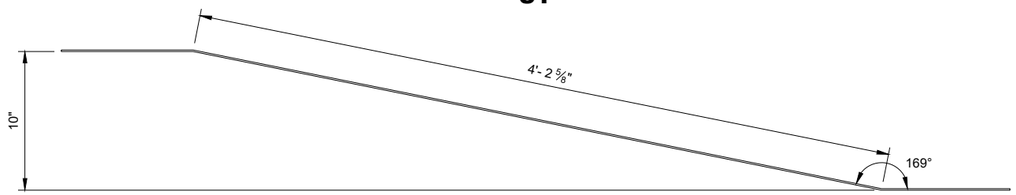
6

SDD 14B07-16e



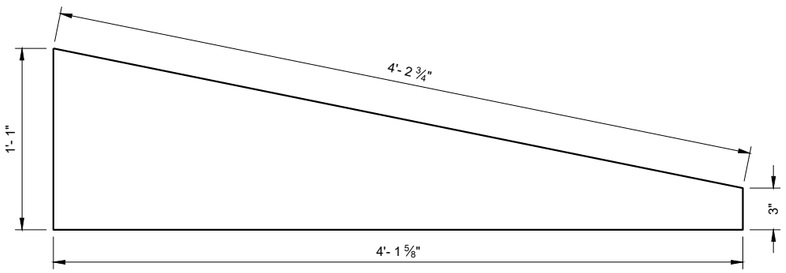
TOP VIEW

S1



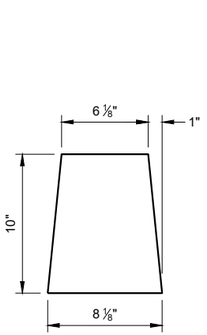
ELEVATION VIEW

S1

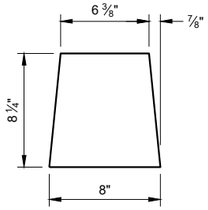


SIDE VIEW

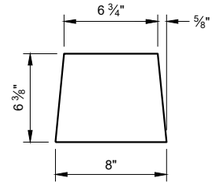
S3



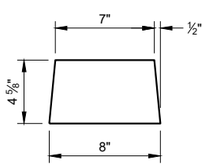
S2



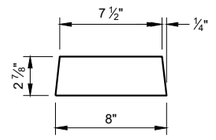
S4



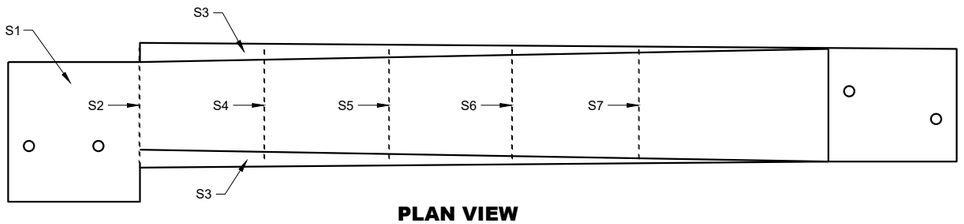
S5



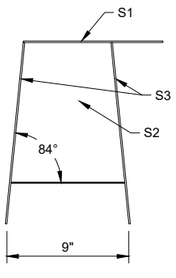
S6



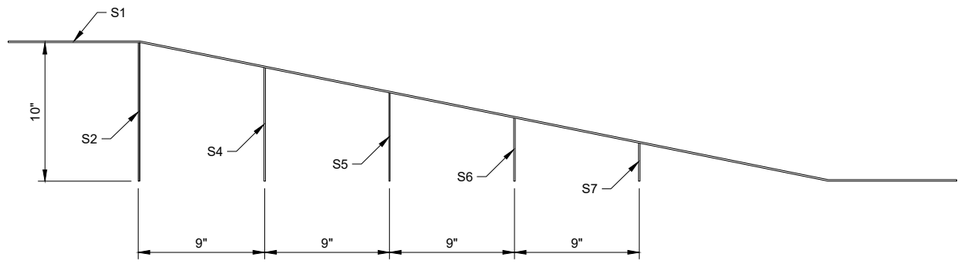
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

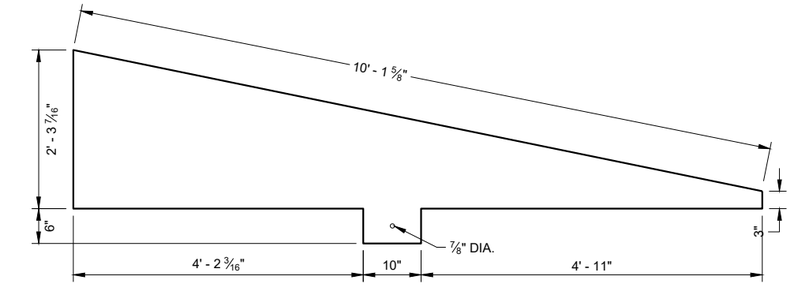
(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

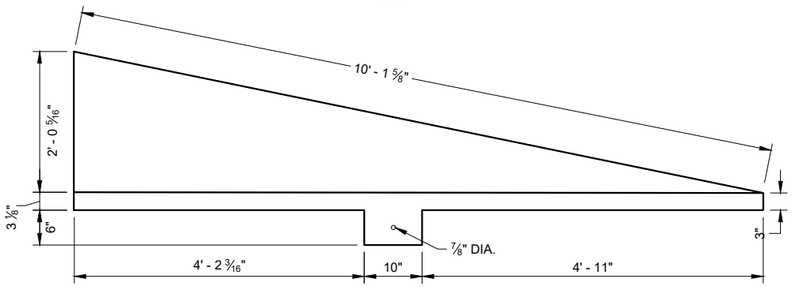
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16f

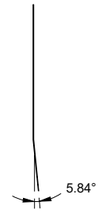


SIDE VIEW
T4



SIDE VIEW
T3

END VIEW



END VIEW

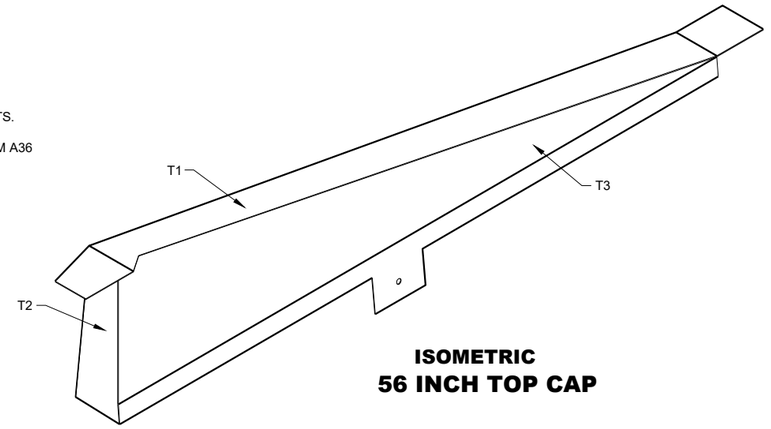
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

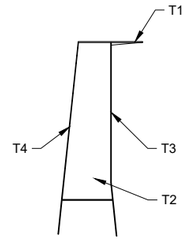
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

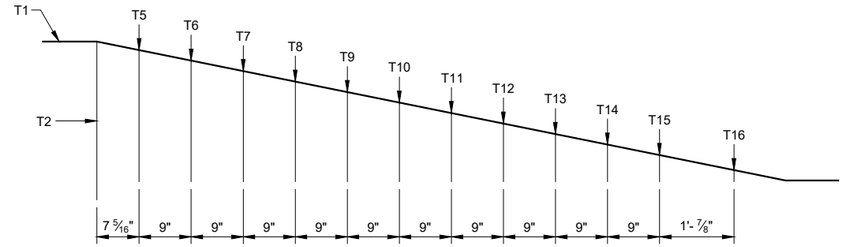
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



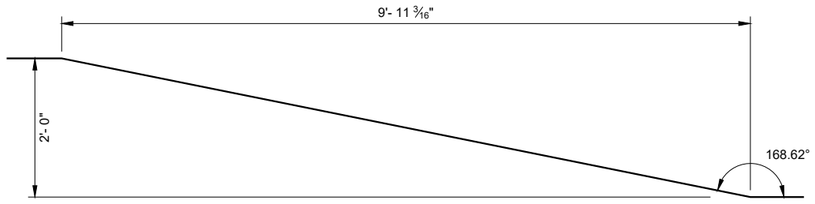
ISOMETRIC
56 INCH TOP CAP



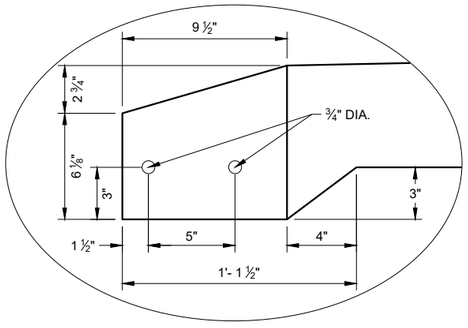
END VIEW
56 INCH TOP CAP



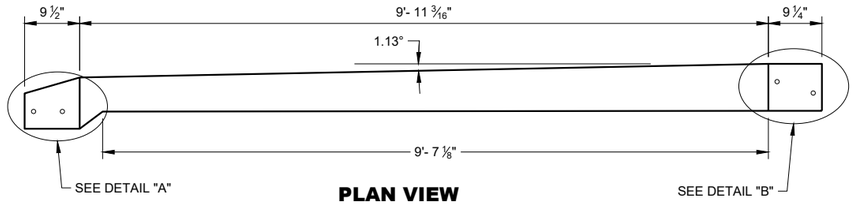
SIDE VIEW (700)
56 INCH TOP CAP



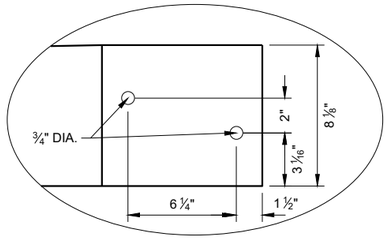
SIDE VIEW
TOP PLATE T1



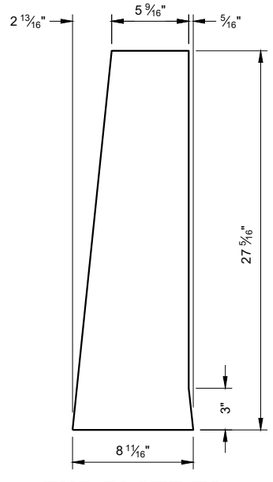
DETAIL "A"



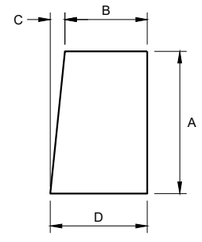
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

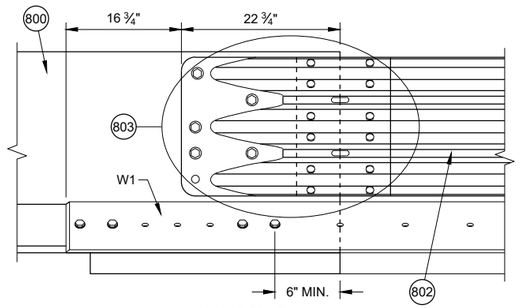
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 1/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

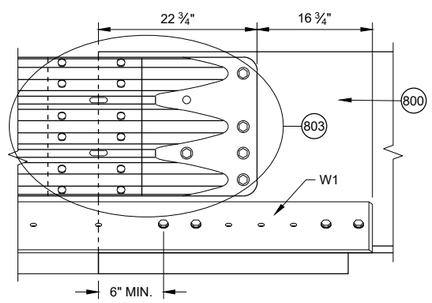
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

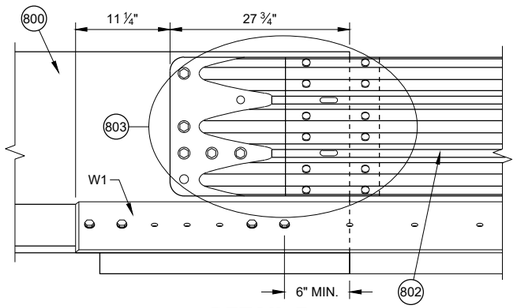
SDD 14B07-16g



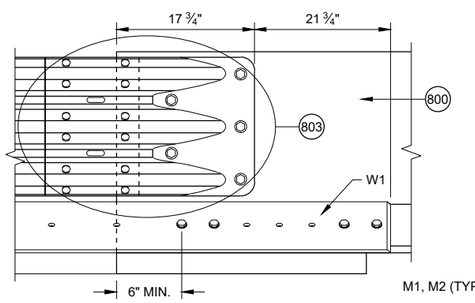
DETAIL D



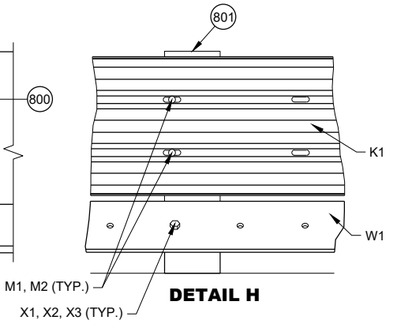
DETAIL E



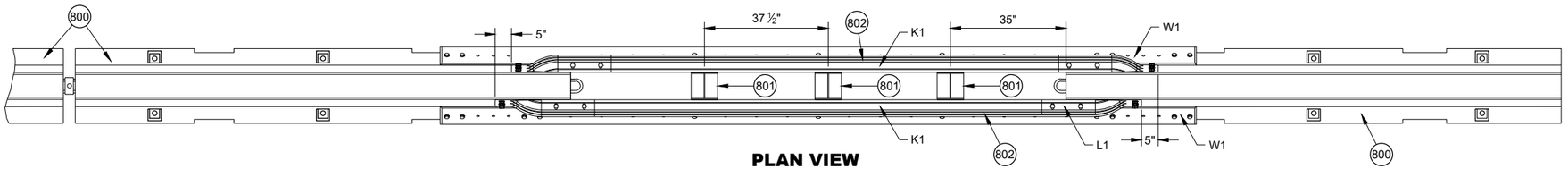
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

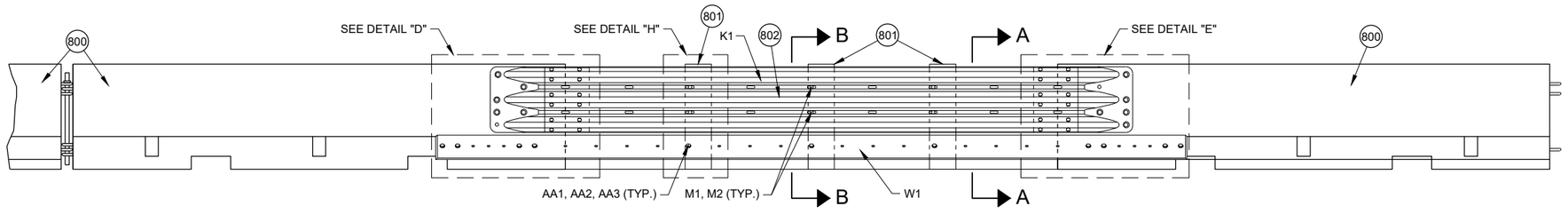
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

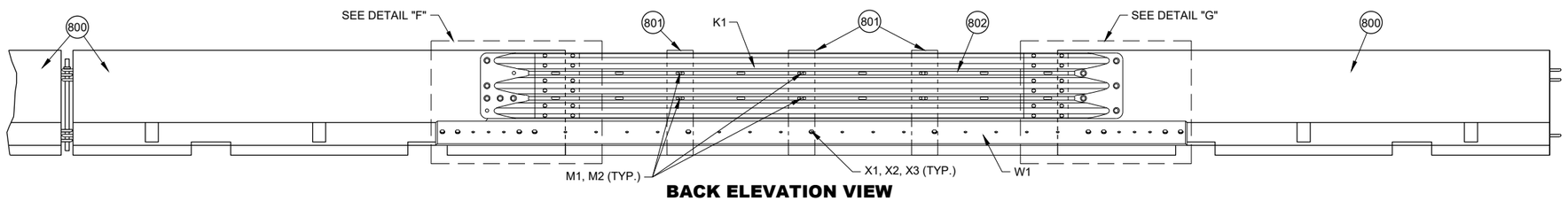
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



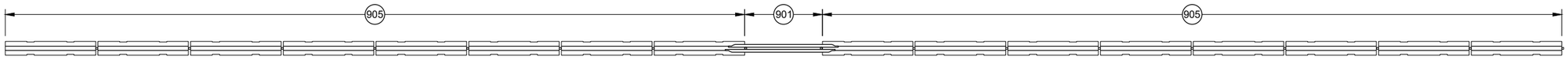
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

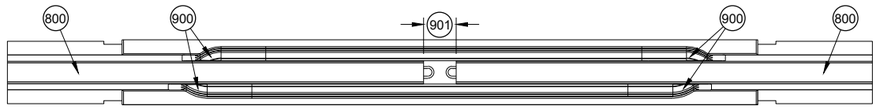
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16h



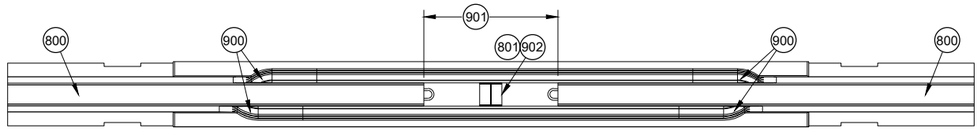
PLAN VIEW
GAP WITHIN SPACING



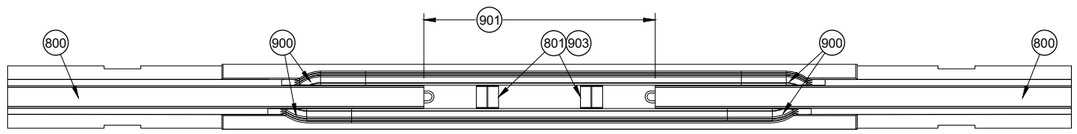
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

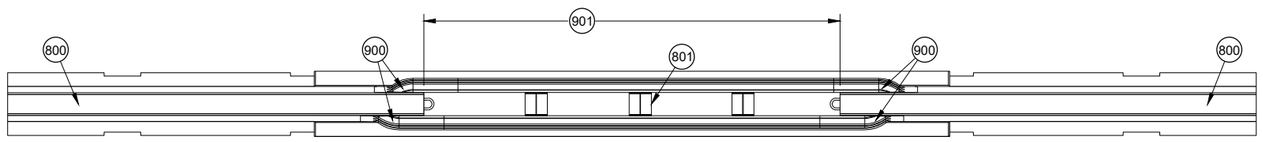
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)

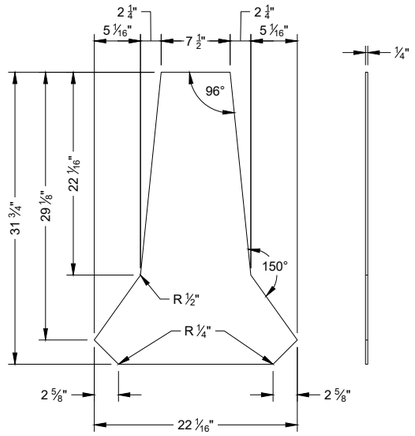


PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

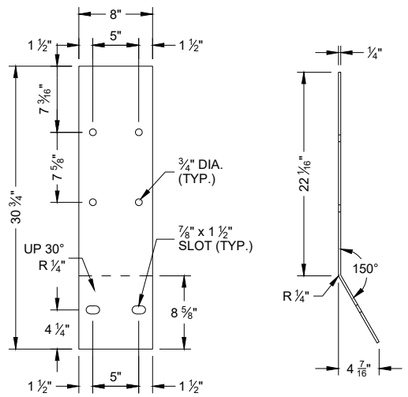
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16i



PROFILE VIEW SIDE VIEW

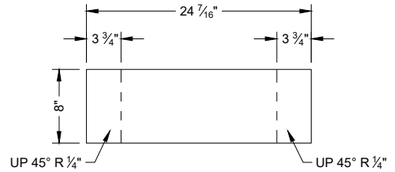
STIFFENER ASSEMBLY CENTER PANEL U1



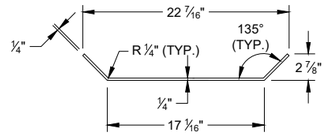
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

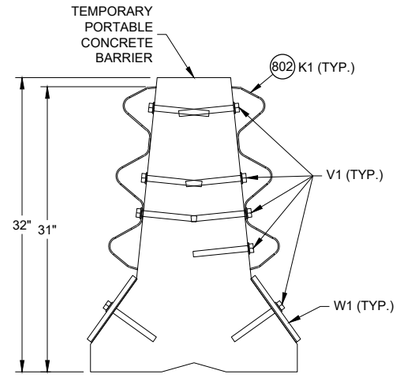


FLAT PATTERN

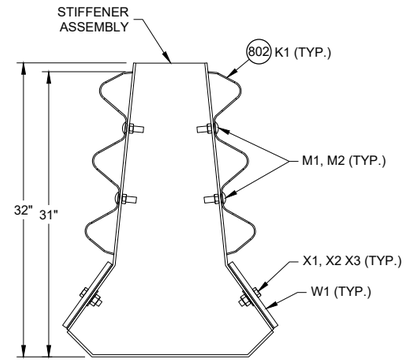


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

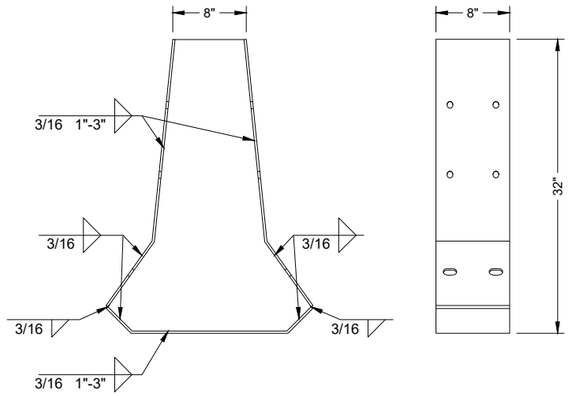


SECTION A - A



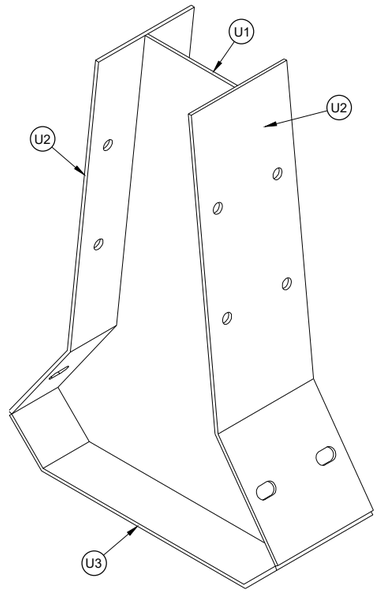
SECTION B - B

PLAN VIEW



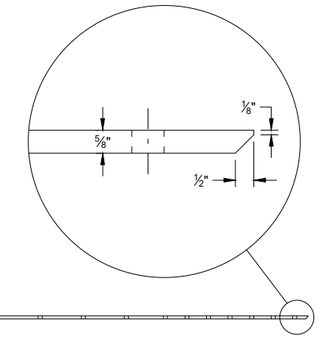
PROFILE VIEW

SIDE VIEW

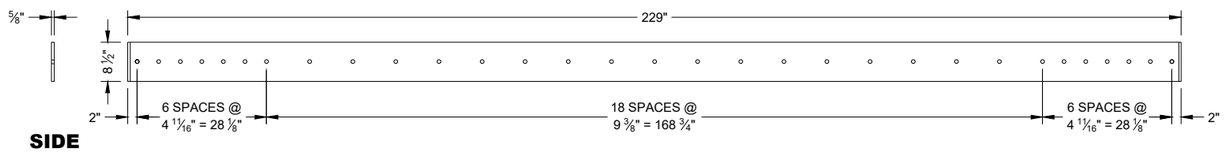


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW



SIDE VIEW

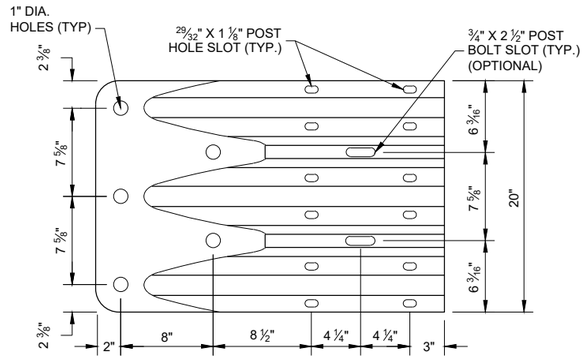
ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

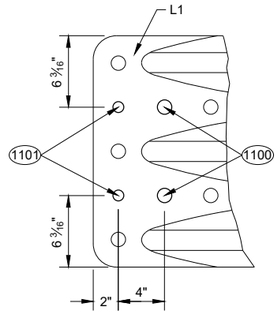
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16j



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

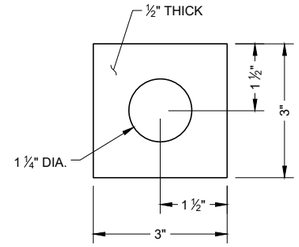


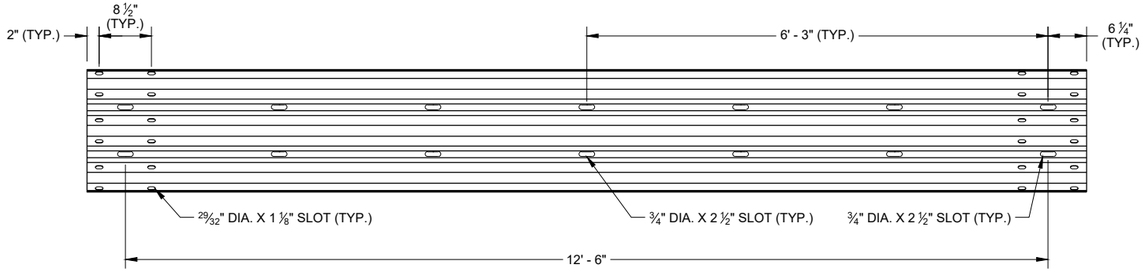
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

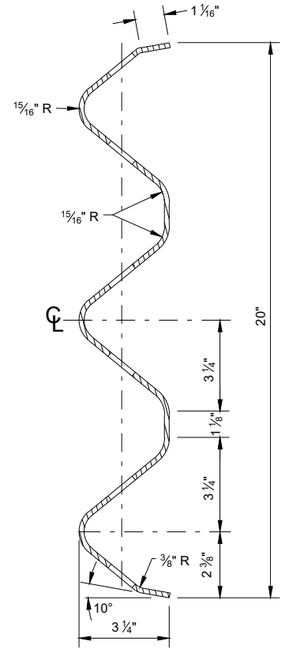
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



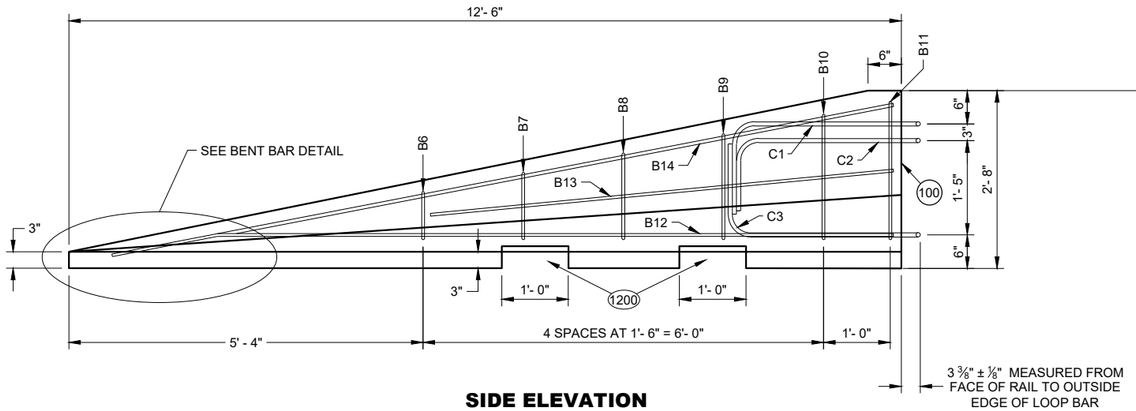
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

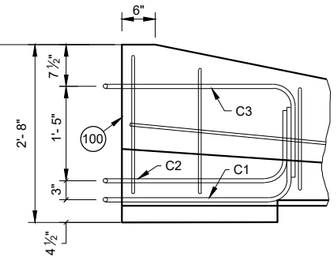
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16k



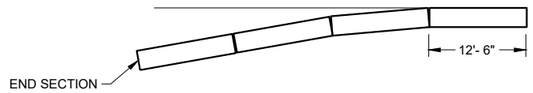
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

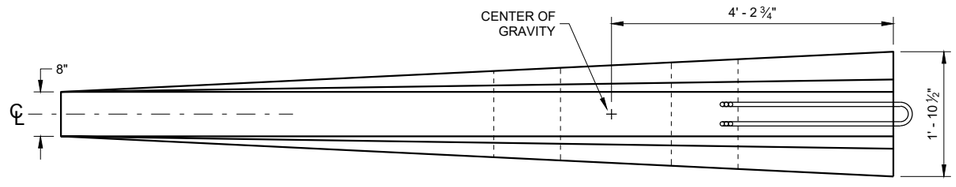
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

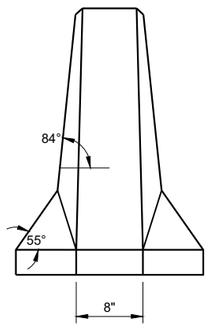


FLARE AT BARRIER END

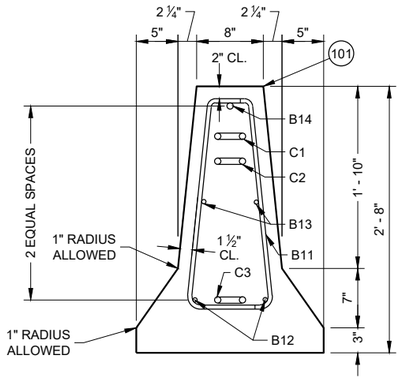
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



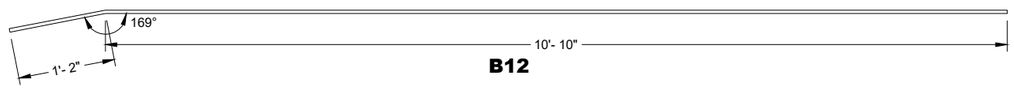
PLAN VIEW



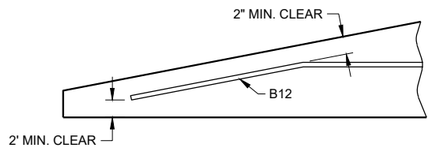
FRONT ELEVATION



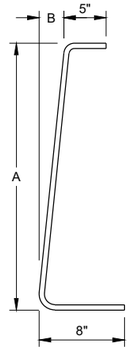
END SECTION



B12



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16I

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 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	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP 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	12 GAUGE
S2	CAP 42-INCH 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	12 GAUGE
S3	CAP 42-INCH SIDE 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	12 GAUGE
S4	CAP 42-INCH GUSSET 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	12 GAUGE
S5	CAP 42-INCH GUSSET 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	12 GAUGE
S6	CAP 42-INCH GUSSET 3	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	12 GAUGE
S7	CAP 42-INCH GUSSET 4	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	12 GAUGE

6

SDD 14B07-16m

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP 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	12 GAUGE
T2	CAP 56-INCH 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	12 GAUGE
T3	CAP 56-INCH SIDE 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	12 GAUGE
T4	CAP 56-INCH SIDE 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	12 GAUGE
T5	CAP 56-INCH GUSSET 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	12 GAUGE
T6	CAP 56-INCH GUSSET 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	12 GAUGE
T7	CAP 56-INCH GUSSET 3	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	12 GAUGE
T8	CAP 42-INCH GUSSET 4	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	12 GAUGE
T9	CAP 42-INCH GUSSET 5	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	12 GAUGE
T10	CAP 42-INCH GUSSET 6	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	12 GAUGE
T11	CAP 42-INCH GUSSET 7	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	12 GAUGE
T12	CAP 42-INCH GUSSET 8	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	12 GAUGE
T13	CAP 42-INCH GUSSET 9	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	12 GAUGE
T14	CAP 42-INCH GUSSET 10	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	12 GAUGE
T15	CAP 42-INCH GUSSET 11	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	12 GAUGE
T16	CAP 42-INCH GUSSET 12	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	12 GAUGE
U1	GAP STIFFENER	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	
U2	GAP STIFFENER - CONNECTOR 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	
U3	GAP STIFFENER - CONNECTOR 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	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE 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	
W1	TOE 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	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 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.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

6

SDD 14B07-16n

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

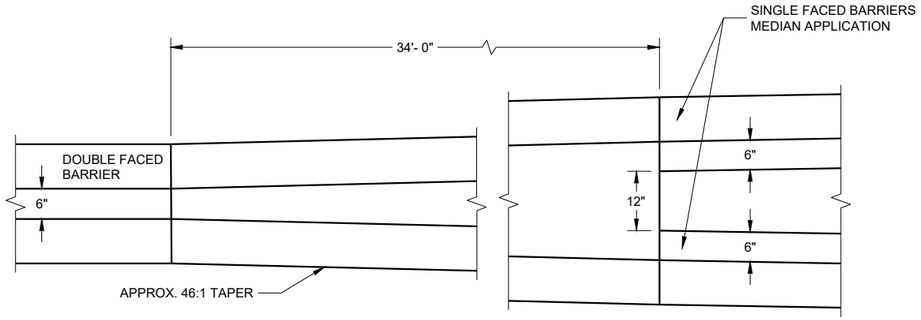
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B07-16n



PLAN VIEW

TRANSITION DETAILS OF DOUBLE FACED TO SINGLE FACED CONCRETE MEDIAN BARRIER

(FOOTINGS ARE NOT SHOWN)

GENERAL NOTES

SPLICES OF LONGITUDINAL BARS SHALL BE MADE WITH BARS LAPPED AT LEAST 18-INCHES AND FIRMLY TIED OR FASTENED TOGETHER.

ALL BAR STEEL REINFORCEMENT SHALL CONFORM TO REQUIREMENTS OF AASHTO M31, GRADE 60.

4000 PSI AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.

(1) BARRIER SHALL BE INSTALLED ON A CONCRETE SHOULDER INSTEAD OF THE CONCRETE FOOTING WHEN SPECIFIED OR SHOWN ELSEWHERE IN THE CONTRACT.

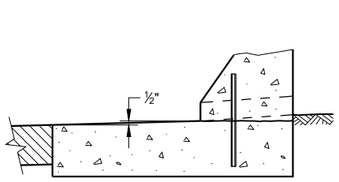
(2) OPENINGS FOR DRAINAGE SHALL BE PLACED AT LOW POINTS OF VERTICAL CURVES OR WHERE DIRECTED BY THE ENGINEER.

(3) 3/4 -INCH BEVEL OR 1-INCH RADIUS (TYPICAL).

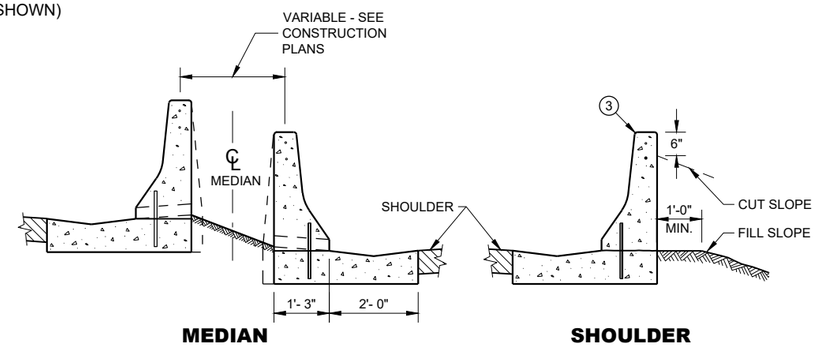
(4) NO. 4 BARS SHALL BE CONTINUED THROUGH CONSTRUCTION JOINTS.

(5) EXPANSION JOINTS SHALL BE PLACED AT EXISTING EXPANSION JOINTS IN THE PAVEMENT AND AT STRUCTURES. SEE REINFORCEMENT AT BARRIER END DETAIL.

(6) SAWED CONTRACTION JOINTS SHALL BE PROVIDED ACROSS THE FULL WIDTH OF THE BARRIER FOOTING, AND IN FRONT, TOP AND BACK FACE OF THE BARRIER AT EXISTING PAVEMENT JOINTS AND AT UNIFORM INTERVALS BETWEEN WITH A MAXIMUM SPACING OF 25 FEET.

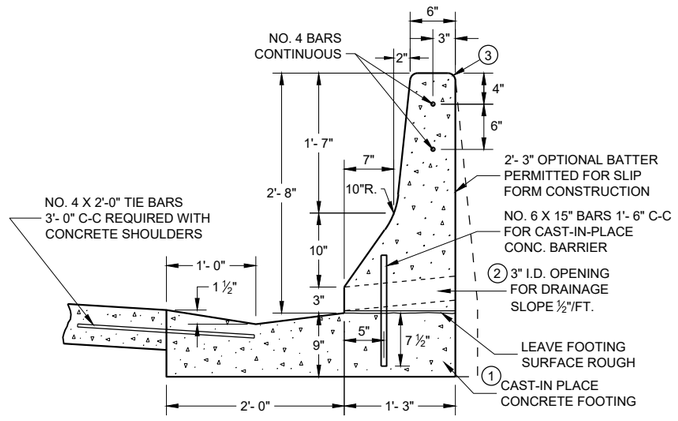


HIGH SIDE
CONCRETE BARRIER DETAIL

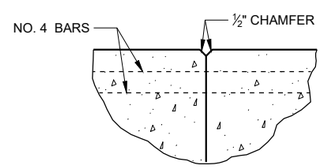


MEDIAN **SHOULDER**

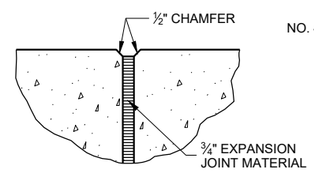
TYPICAL APPLICATIONS



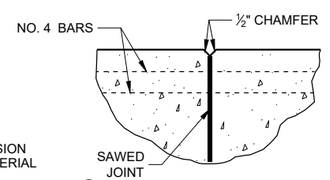
SECTION VIEW



4 **CONSTRUCTION JOINT**



5 **EXPANSION JOINT**



6 **CONTRACTION JOINT**

JOINT DETAILS

CONCRETE BARRIER (DOUBLE FACED)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/16/2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

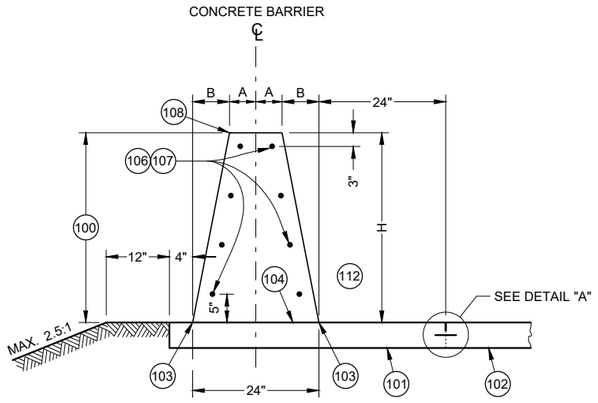
FHWA

6

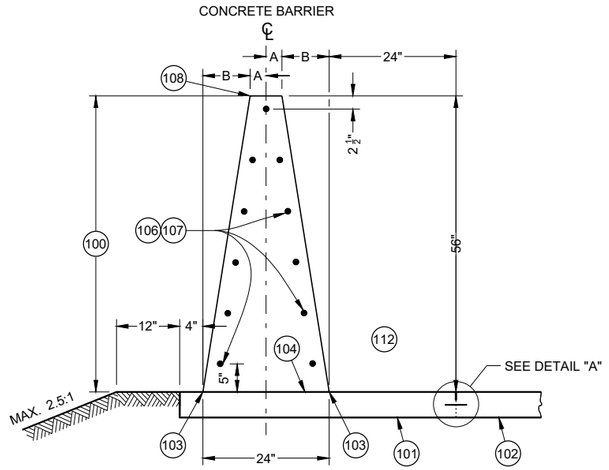
SDD 14B22 - 07a

6

SDD 14B22 - 07a



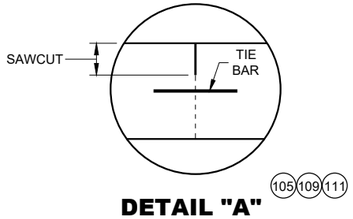
32 - INCH, 36 - INCH OR 42 - INCH SINGLE SLOPE CONCRETE BARRIER
(TYPE S32, TYPE S36, TYPE S42)



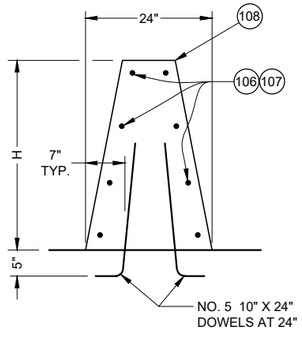
56 - INCH SINGLE SLOPE CONCRETE BARRIER
(TYPE S56)

TABLE "A"

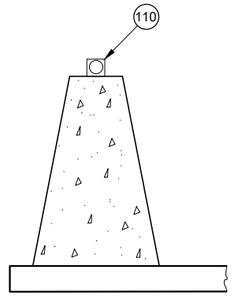
BARRIER HEIGHT H INCHES	A INCHES	B INCHES	NUMBER OF NO. 5 BARS EACH
32	7	5	8
36	6 ¼	5 ¾	8
42	5 ¼	6 ¾	10
56	3	9	11



DETAIL "A"



SINGLE SLOPE CONCRETE BARRIER ON BRIDGE
(NON OUTER PARAPET APPLICATION)



DELINEATION

GENERAL NOTES

WHERE THE CONCRETE BARRIER IS ADDED TO THE FACE OF EXISTING CONCRETE STRUCTURE, MATCH EXISTING WEEP HOLES.

LOCATE EXPANSION JOINTS IN CONCRETE BARRIER SHALL AT ALL DECK AND PRINCIPAL WALL JOINTS. FILL EXPANSION JOINT WITH EXPANSION JOINT MATERIAL. SEAL THE EXPANSION JOINT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

PLACE BARRIER PERPENDICULAR TO SHOULDER GRADE, UNLESS INDICATED IN PLAN.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATION 501.

2" CLEAR COVER TYPICAL

ANCHORS ARE REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER. ANCHOR MAY BE AS SHOWN IN THIS SDD OR DETAIL SHOWN ON SDD 14B33. ANCHORS INCIDENTAL TO CBSS.

PROVIDE A 1" DEEP CONTRACTION JOINT IN BARRIER PAD AND BARRIER. JOINT IS TO MATCH ADJACENT CONCRETE JOINTS. NO DOWEL BARS ARE REQUIRED FOR BARRIER PAD. IF ADJACENT TO ASPHALT, CONTRACTION JOINT IS REQUIRED EVERY 15'.

ALL REBAR SHALL BE EPOXY COATED M31 TYPE S. SEE STANDARD SPECIFICATION 505.

CONCRETE BARRIER, UPPER CONCRETE BARRIER, LOWER CONCRETE BARRIER, CONCRETE BARRIER PAD, AND FOOTINGS ARE TERMS USED TO DESCRIBE PARTS OF SINGLE SLOPE CONCRETE BARRIER BID ITEMS. THESE PARTS ARE INCIDENTAL TO THE SINGLE SLOPE CONCRETE BARRIER BID ITEMS.

(100) CONCRETE BARRIER

(101) CONCRETE BARRIER PAD

(102) PAVEMENT

(103) WHERE VERTICAL ROADWAY OFFSET IS GREATER THAN 1 ½", USE TYPE A SINGLE SLOPE BARRIER.

(104) OPTIONAL CONSTRUCTION JOINT.

(105) CONSTRUCTION JOINTS MAY BE ELIMINATED WHEN CONCRETE SHOULDER IS LESS THAT 10'.

(106) STAGGER LAPPING OF LONGITUDINAL STEEL. MINIMUM OVERLAP OF STEEL IS 2' BARS AT LAPS TO BE FIRMLY TIED OR CONNECTED.

(107) NO. 5 CONTINUOUS BARS EVENLY SPACED (SEE TABLE "A").

(108) USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

(109) CONCRETE BARRIER PAD UNDER CBSS MAY BE PLACED SEPARATELY OR PLACED WITH CONCRETE SHOULDER AND SAWED ⅓ DEPTH. CONCRETE BARRIER PAD AND SAWING OF CONCRETE SHOULDER IS INCIDENTAL TO CONCRETE BARRIER BID ITEM. CONCRETE BARRIER PAD MINIMUM DEPTH IS 6", OR EQUAL TO THE DEPTH OF THE CONCRETE SHOULDER.

(110) SEE SDD 15A04 FOR DELINEATOR DETAILS AND SPACING.

(111) SEE SDD 13C01 FOR DETAILS TYPING CONCRETE BARRIER TO ADJACENT CONCRETE

(112) TRAFFIC SIDE

CONCRETE BARRIER SINGLE SLOPE (CBSS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B32 - 10a

GENERAL NOTES

400 END ANCHOR SINGLE SLOPE CONCRETE BARRIER.

401 PARAPET, SIGN BRIDGE BASE, LIGHT POLE BASE OR OTHER OBJECT SINGLE SLOPE CONCRETE BARRIER CANNOT TIE INTO.

402 JOINT SEAL CONFORMING TO STANDARD SPECIFICATION 415.2.6

403 EXPANSION JOINT MATERIAL.

404 INLET (SEE PLAN)

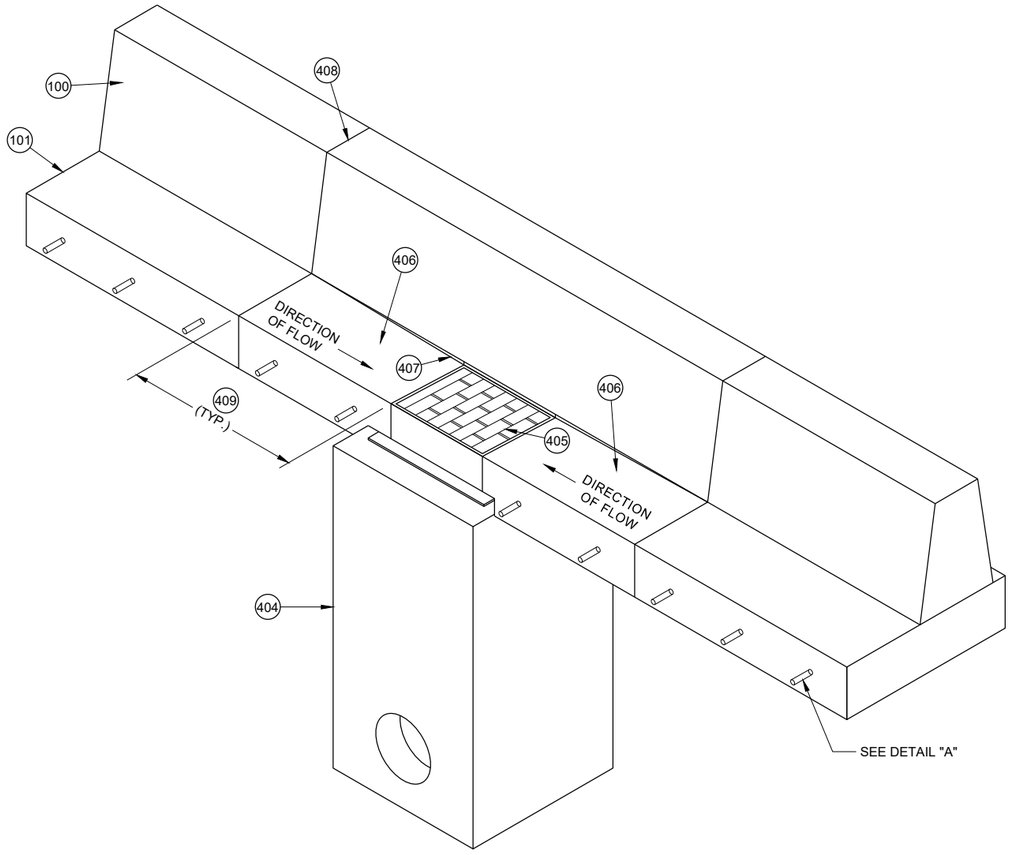
405 INLET COVER BW (SEE PLAN)

406 WARP PAN TO MATCH INLET COVER.

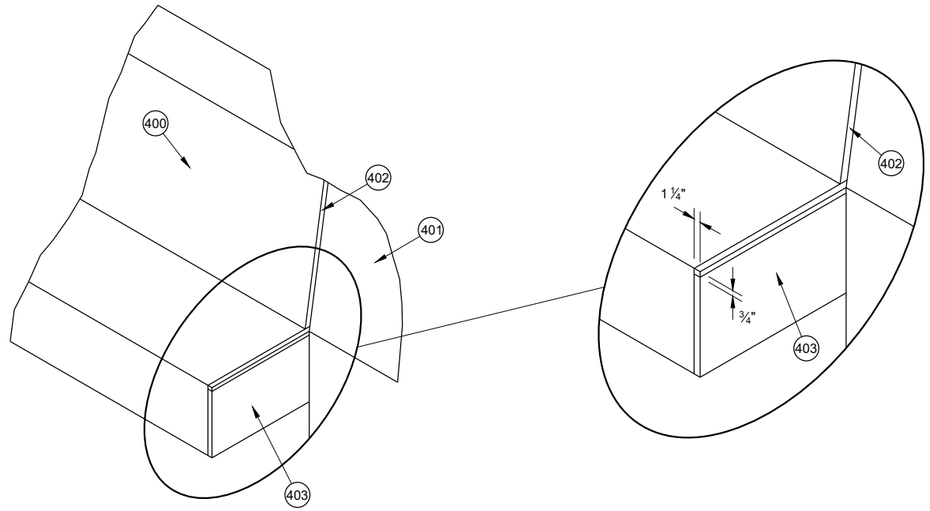
407 EXTEND BARRIER SLOPE TO INLET. SEE PLAN FOR THE LENGTH OF EXTENSION.

408 CONTRACTION JOINT.

409 3' (TYP.)



DRAINAGE DETAIL

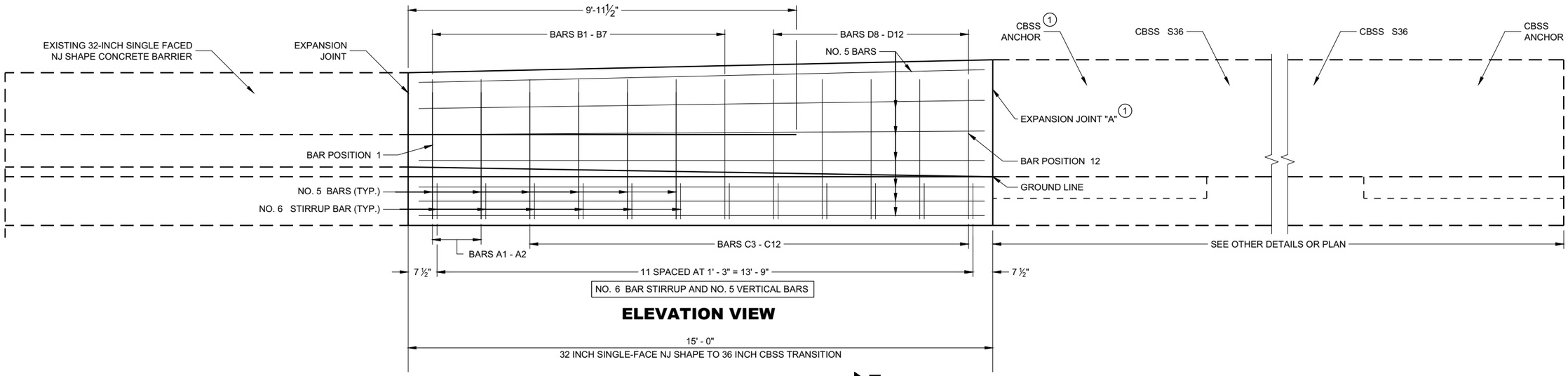


EXPANSION JOINT DETAIL

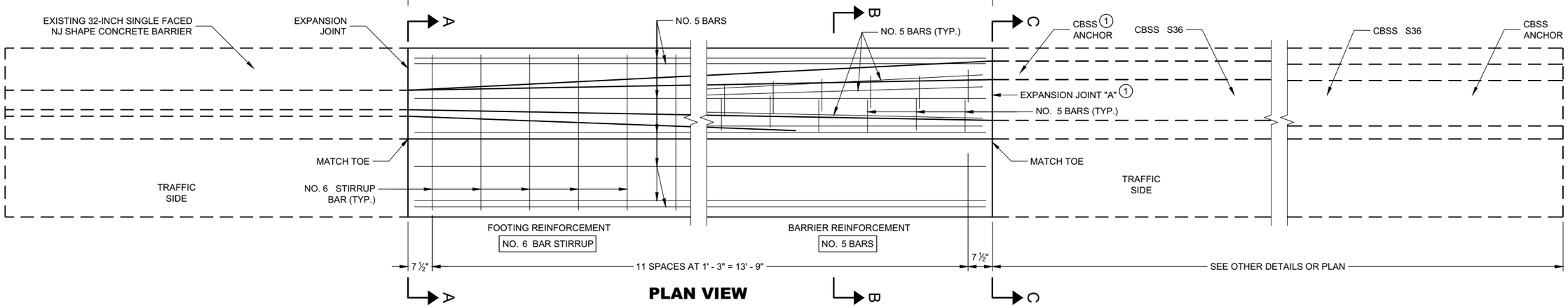
6

CONCRETE BARRIER SINGLE SLOPE (CBSS)

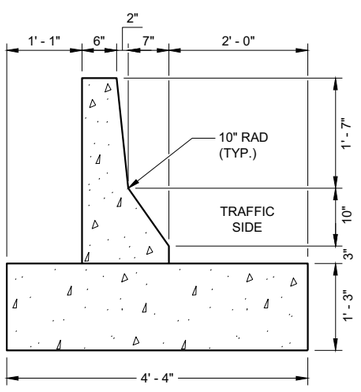
SDD 14B32 - 10d



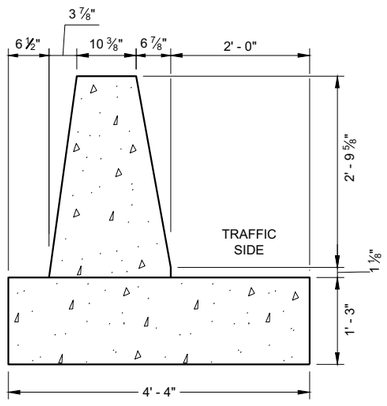
ELEVATION VIEW



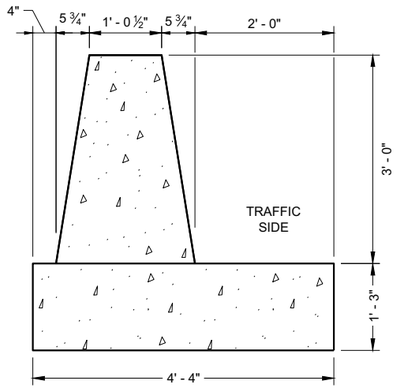
PLAN VIEW



SECTION A - A



SECTION B - B



SECTION C - C

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS OTHERWISE NOTED.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

(1) EXPANSION JOINT "A" MAY BE REPLACED WITH A COLD JOINT PROVIDED THAT 3 FEET OF LAP OF LONGITUDINAL STEEL IS PROVIDED. IF COLD JOINT IS USED, ANCHOR IS NOT REQUIRED.

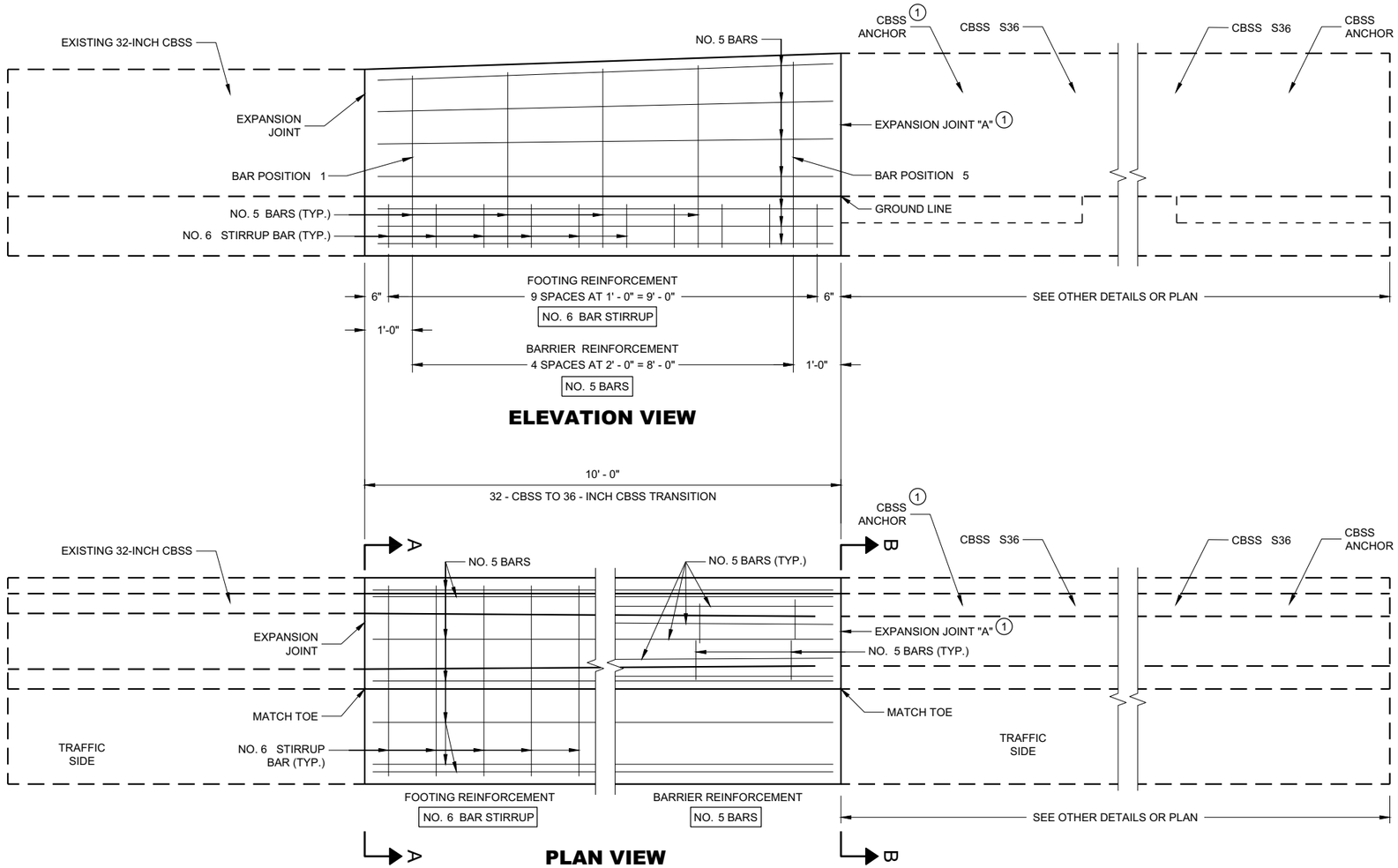
32 - INCH SINGLE FACED NJ SHAPE CONCRETE BARRER TO 36 - INCH SINGLE SLOPE CONCRETE BARRIER TRANSITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B35 - 02c

6

SDD 14B35 - 02c



ELEVATION VIEW

PLAN VIEW

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS OTHERWISE NOTED.

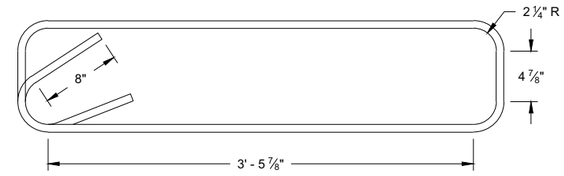
4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

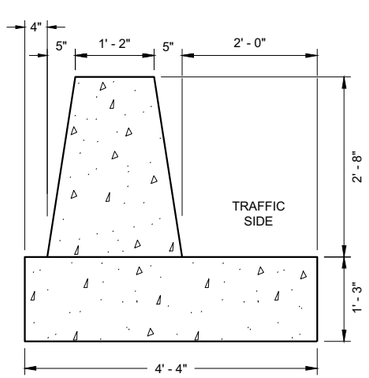
THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

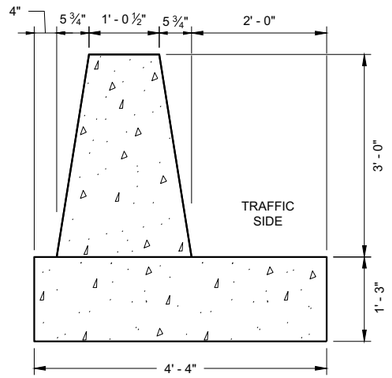
(1) EXPANSION JOINT "A" MAY BE REPLACED WITH A COLD JOINT PROVIDED THAT 3 FEET OF LAP OF LONGITUDINAL STEEL IS PROVIDED. IF COLD JOINT IS USED, ANCHOR IS NOT REQUIRED.



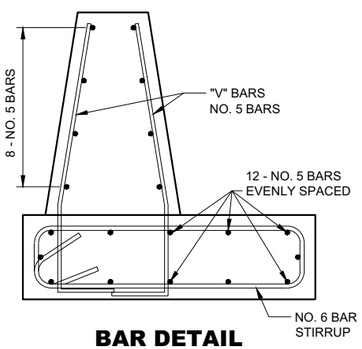
STIRRUP BAR BENDING DETAIL



SECTION A - A



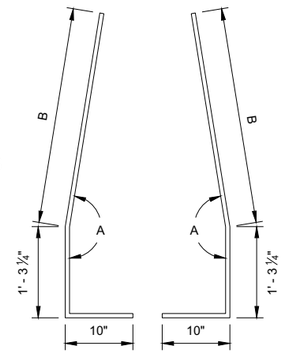
SECTION B - B



BAR DETAIL BAR POSITIONS V1 - V5

BAR CHART BAR POSITIONS V1 - V5

BAR	A	B
V1	170°	2' - 4"
V2	170°	2' - 5 ¼"
V3	170°	2' - 6 ¼"
V4	170°	2' - 7"
V5	170°	2' - 7 ¾"



BENDING DETAIL FOR BARS V1 - V5

32" SINGLE SLOPE CONCRETE BARRIER TO 36" SINGLE SLOPE CONCRETE BARRIER HEIGHT TRANSITION

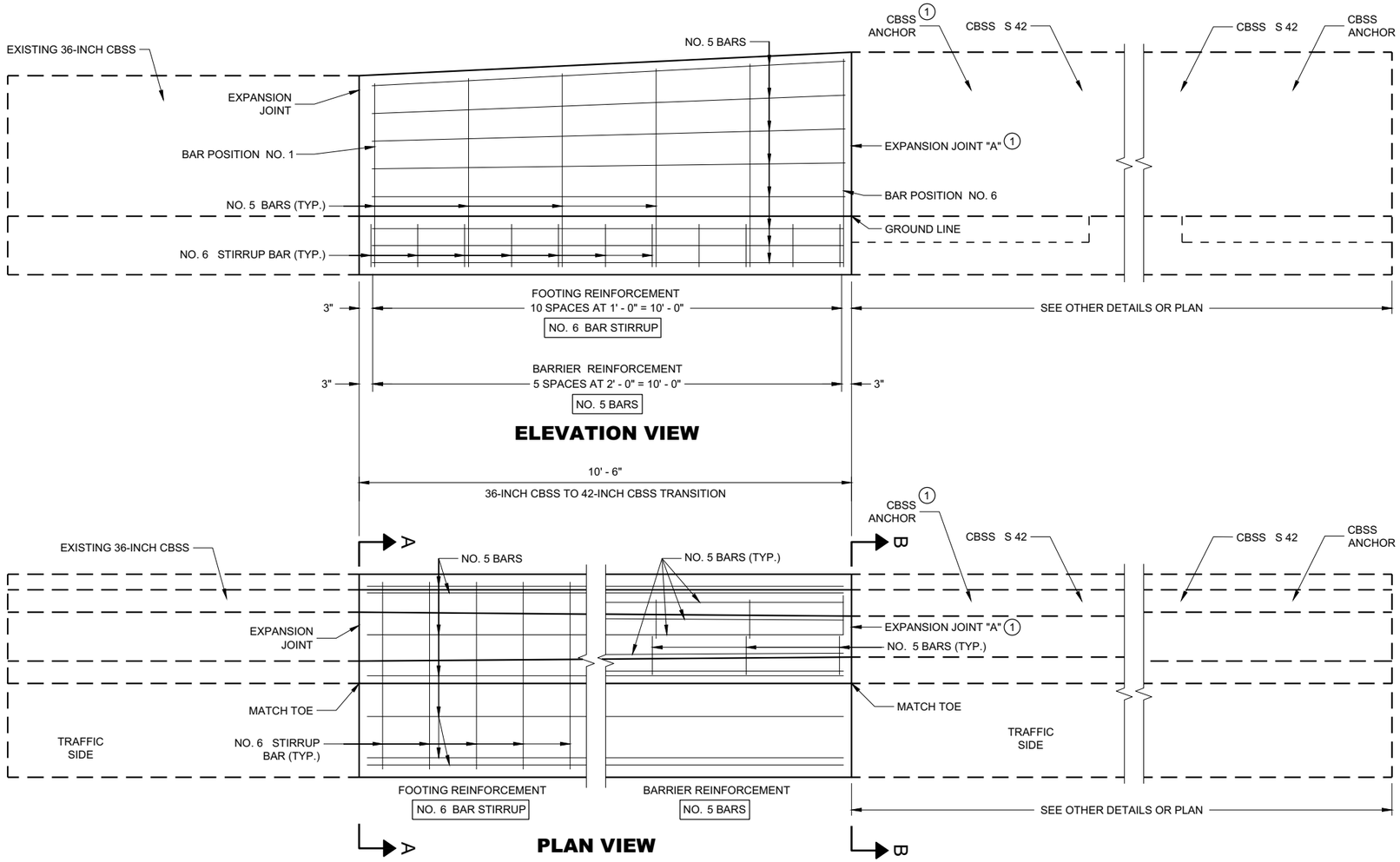
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 14B39 - 02a

SDD 14B39 - 02a



ELEVATION VIEW

PLAN VIEW

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS OTHERWISE NOTED.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

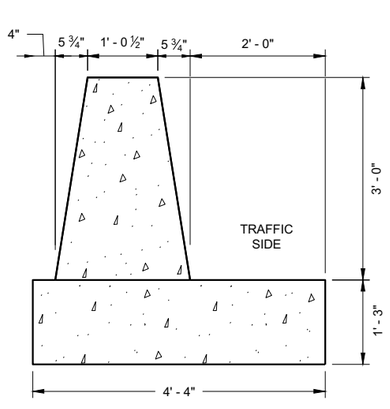
USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

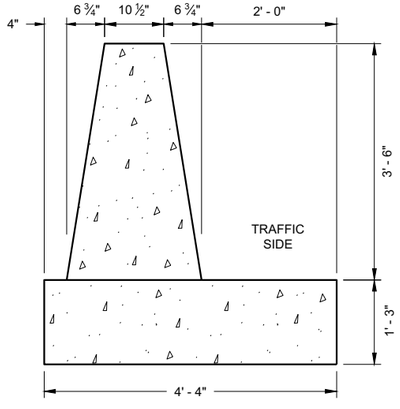
2" CLEAR COVER TYPICAL.

(1) EXPANSION JOINT "A" MAY BE REPLACED WITH A COLD JOINT PROVIDED THAT 3 FEET OF LAP OF LONGITUDINAL STEEL IS PROVIDED. IF COLD JOINT IS USED, ANCHOR IS NOT REQUIRED.

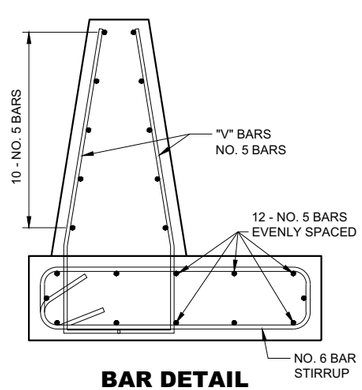
STIRRUP BAR BENDING DETAIL



SECTION A - A



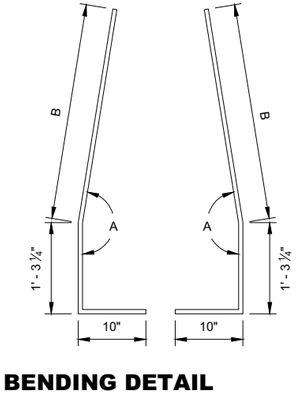
SECTION B - B



BAR DETAIL
BAR POSITIONS V1 - V6

BAR CHART
BAR POSITIONS
V1 - V6

BAR	A	B
V1	170°	2' - 7 ½"
V2	170°	2' - 9"
V3	170°	2' - 9 ¾"
V4	170°	2' - 11 ¼"
V5	170°	3' - 0 ½"
V6	170°	3' - 2"



BENDING DETAIL
FOR BARS V1 - V6

36" SINGLE SLOPE CONCRETE BARRIER TO 42" SINGLE SLOPE CONCRETE BARRIER HEIGHT TRANSITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B39 - 02b

6

SDD 14B39 - 02b

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

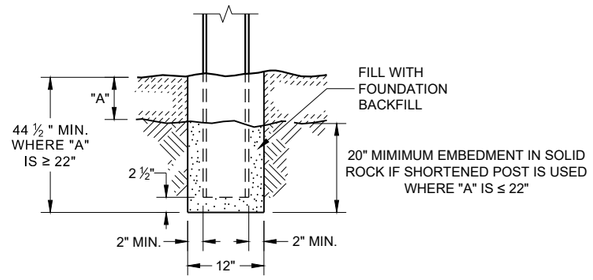
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

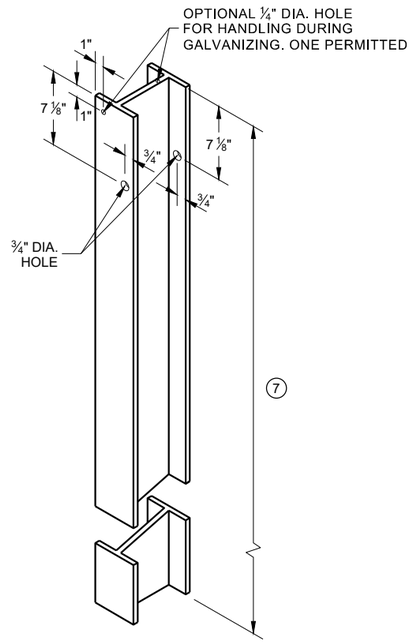
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

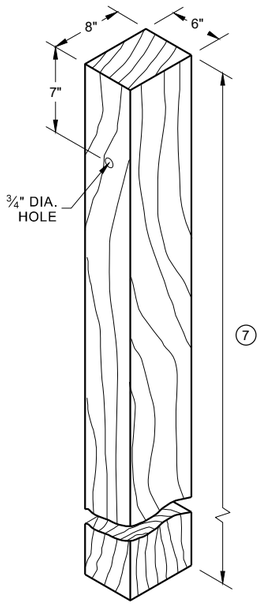
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



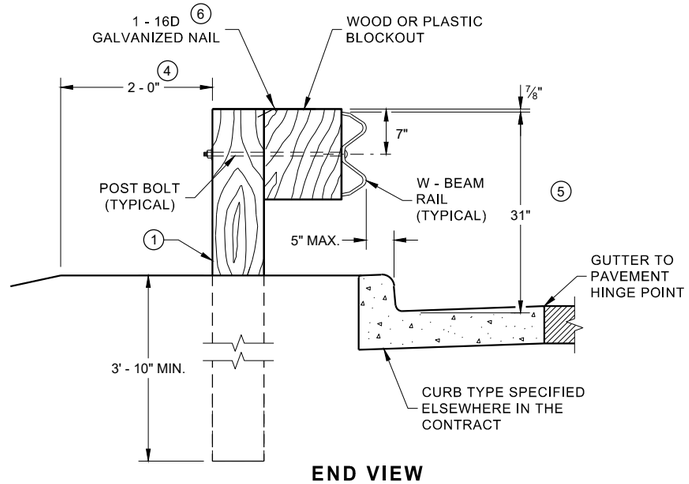
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



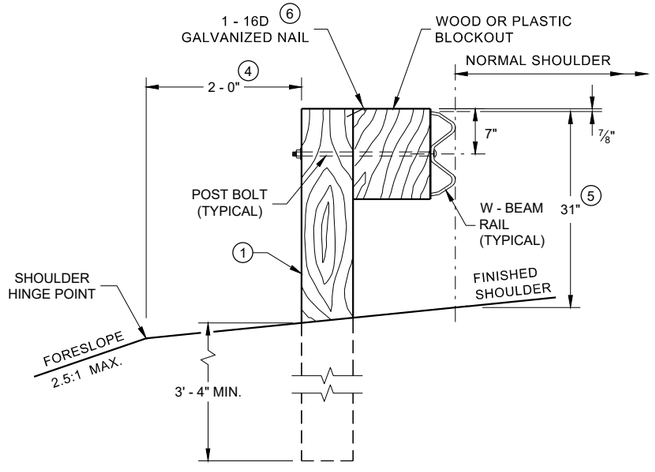
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



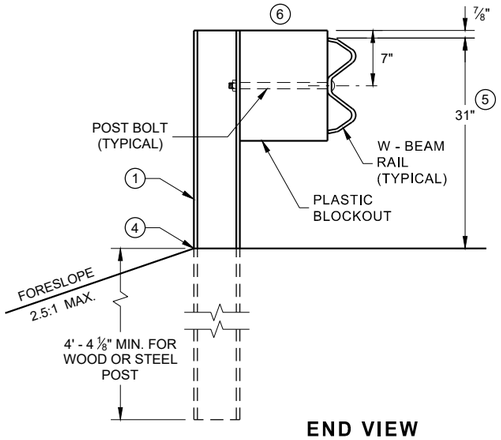
WOOD POST (6" X 8") NOMINAL (1)



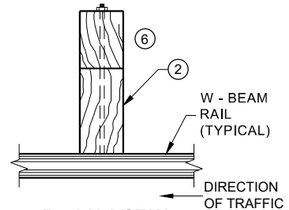
END VIEW
LOCATED ALONG A CURBED ROADWAY



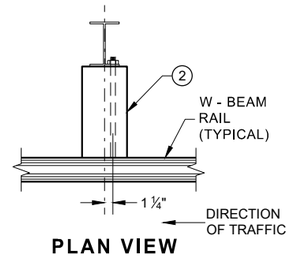
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



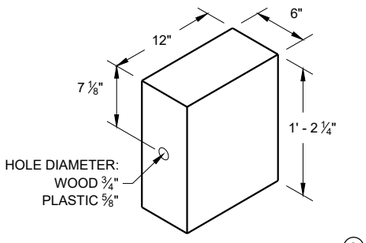
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



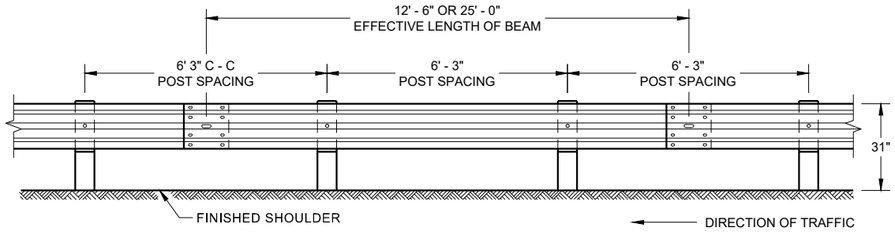
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

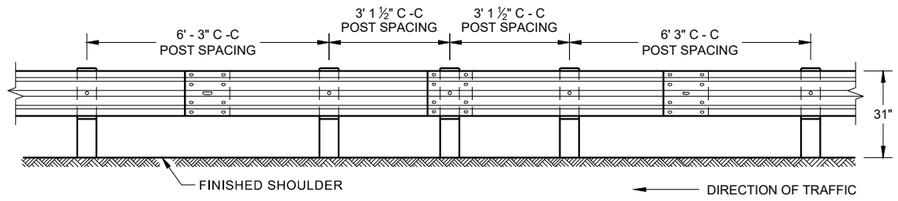
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

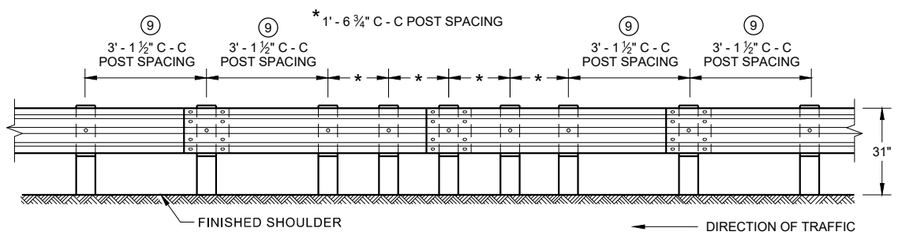
SDD 14B42 - 07a



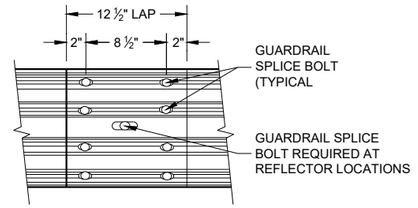
FRONT VIEW
POST SPACING STANDARD INSTALLATION



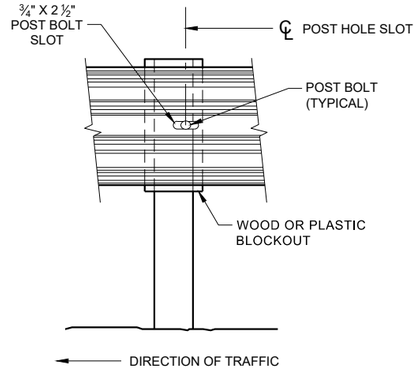
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



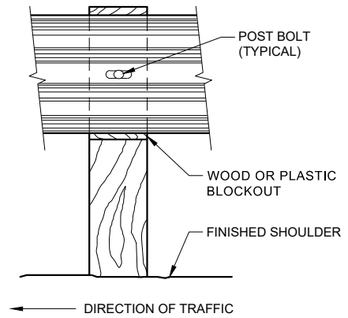
FRONT VIEW
QUARTER POST SPACING (QS)



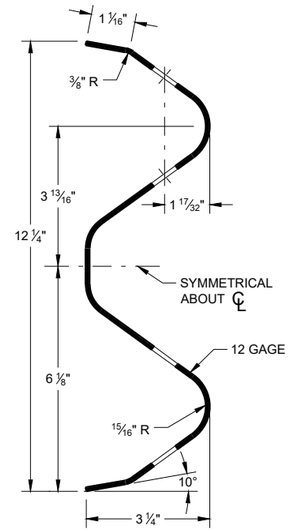
FRONT VIEW
MID-SPAN BEAM SPLICE



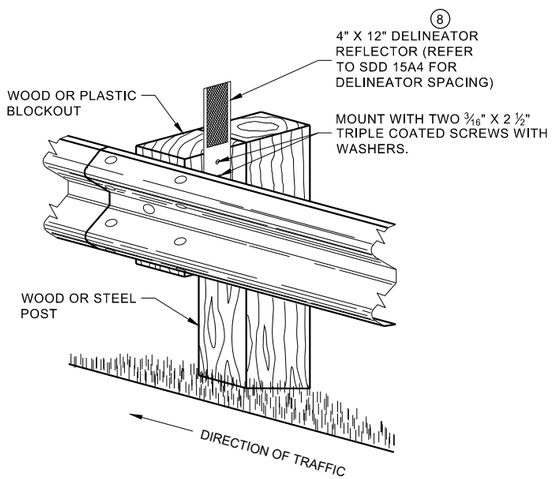
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

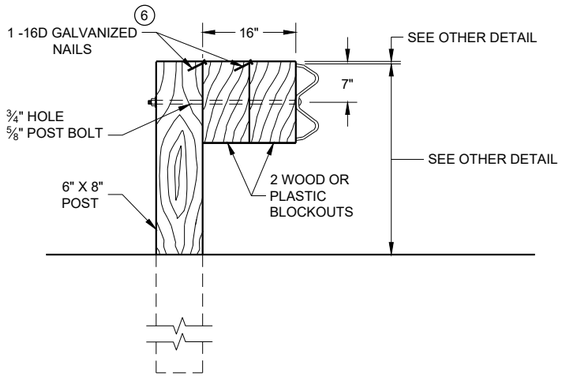
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

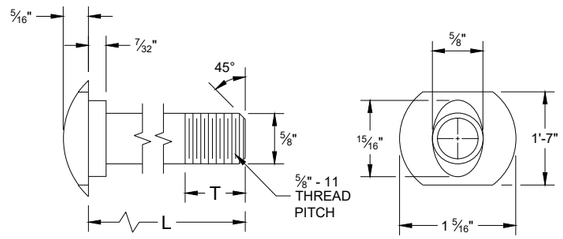


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

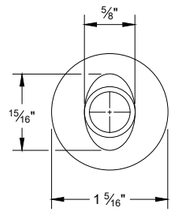
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

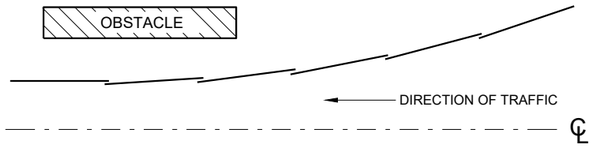


POST BOLT TABLE

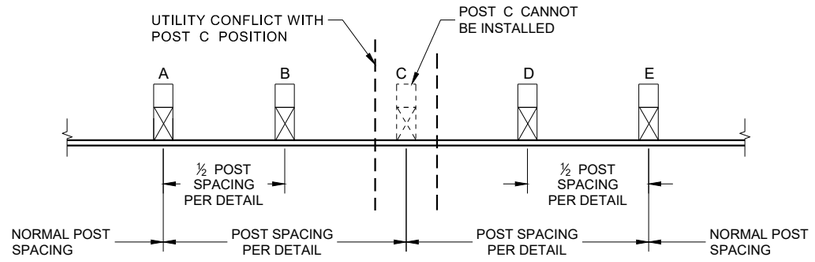
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



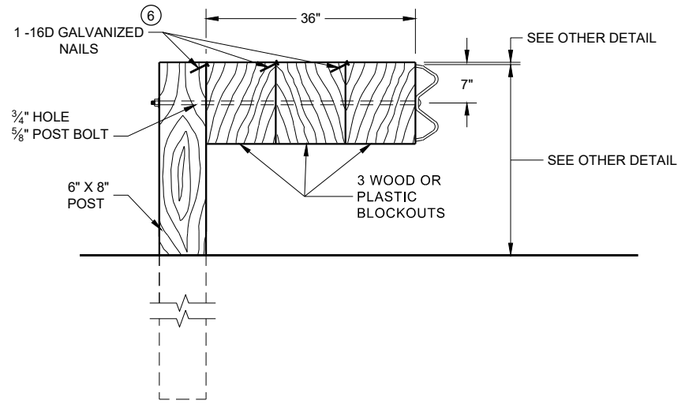
ALTERNATE BOLT HEAD



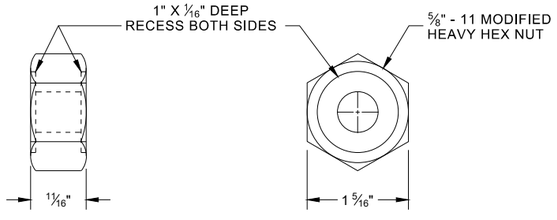
PLAN VIEW
BEAM LAPPING DETAIL



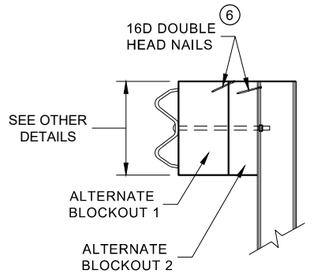
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



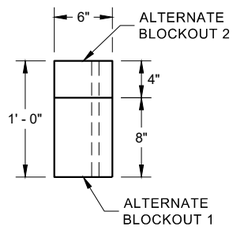
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

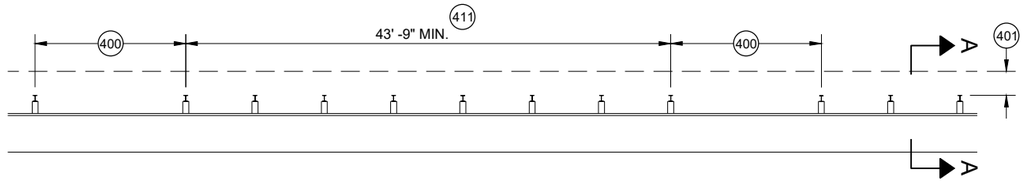
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

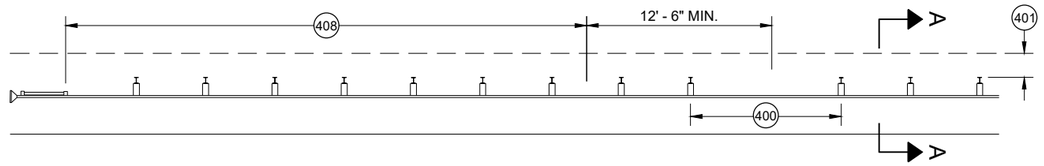
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

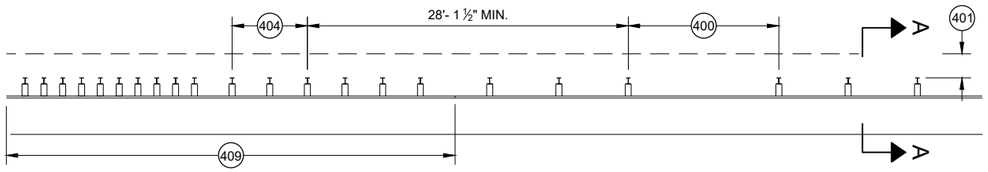
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



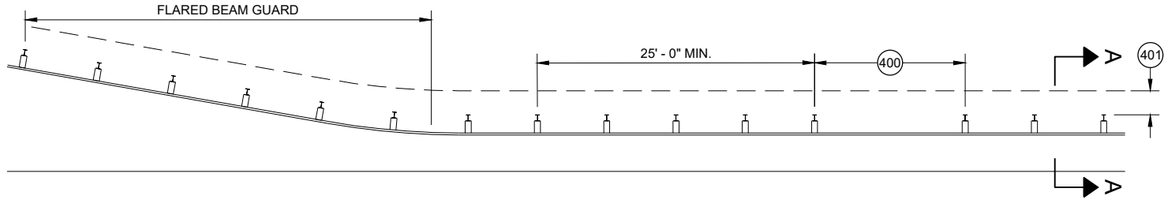
MISSING POST IN MGS GUARDRAIL



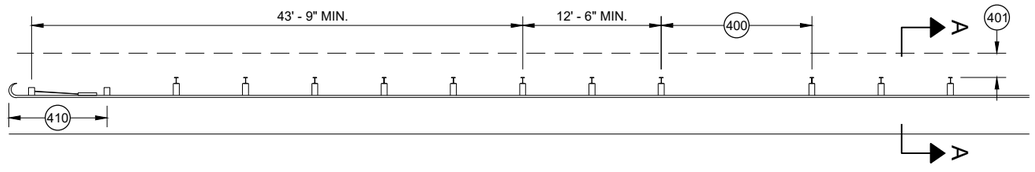
MISSING POST IN MGS GUARDRAIL NEAR EAT



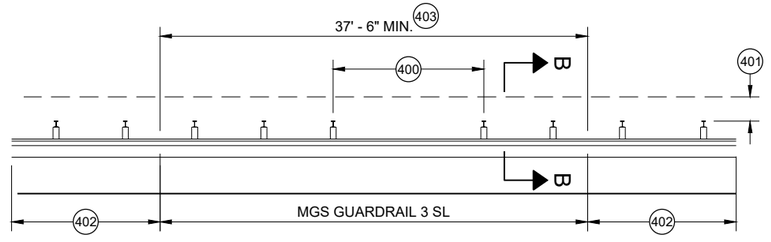
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

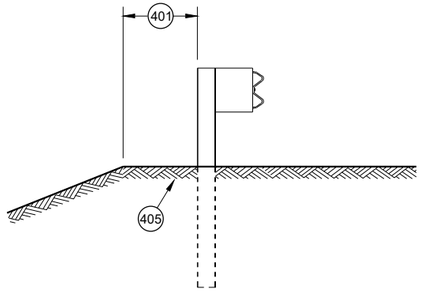


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

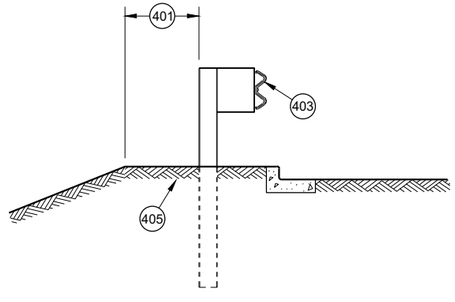


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

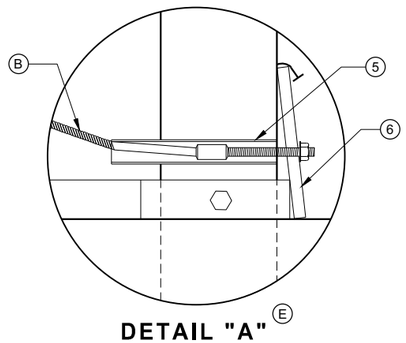
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

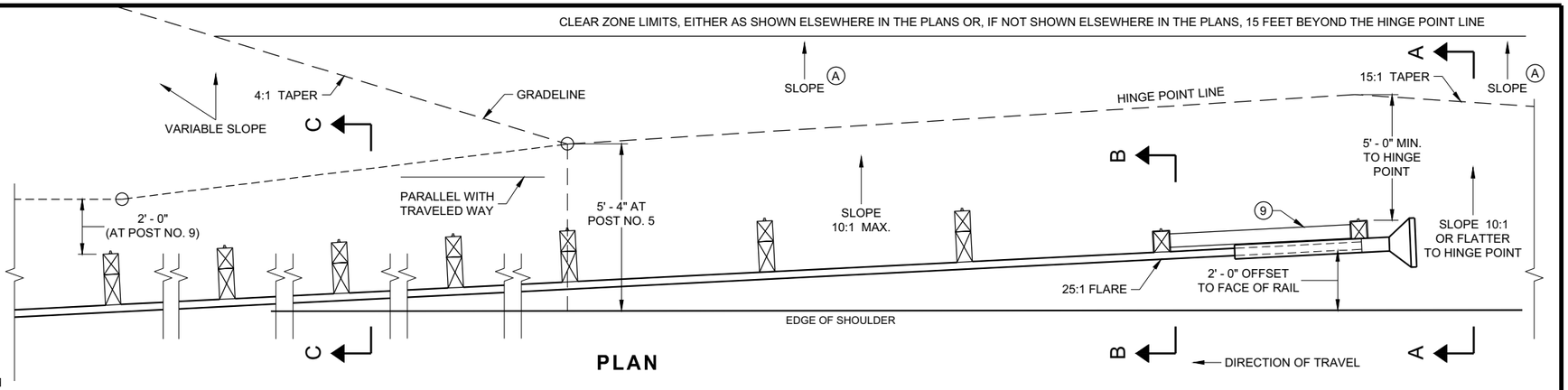
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

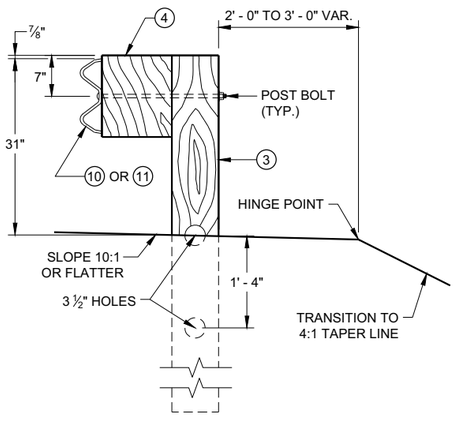
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

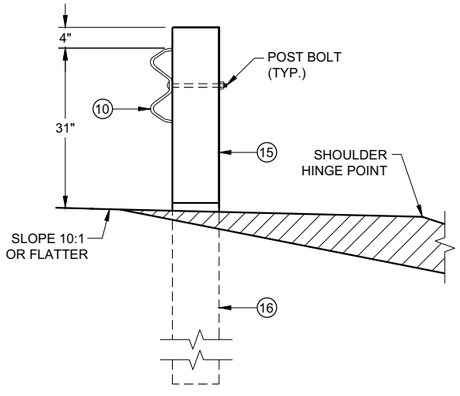


DETAIL "A" (E)

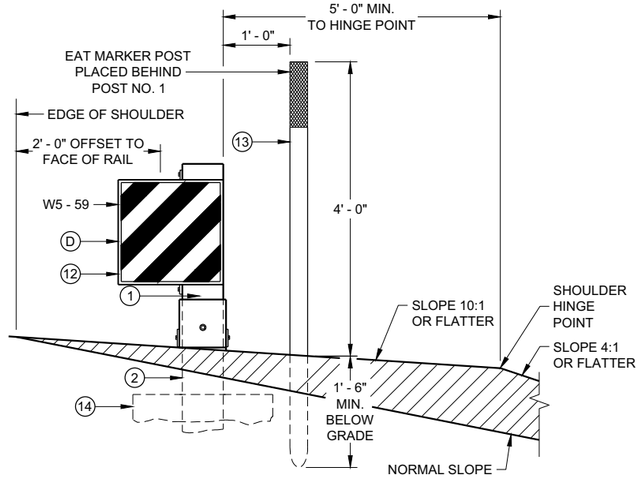




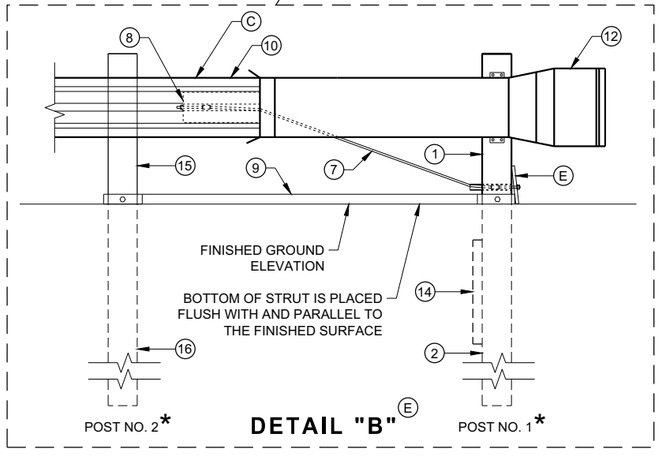
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

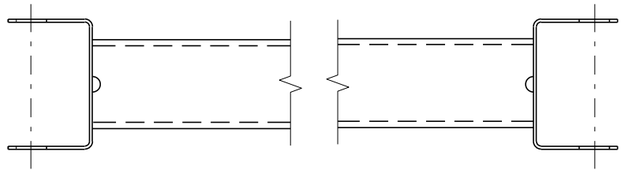
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

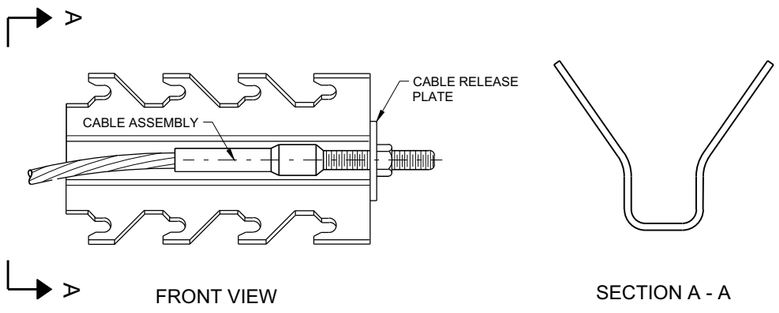
6



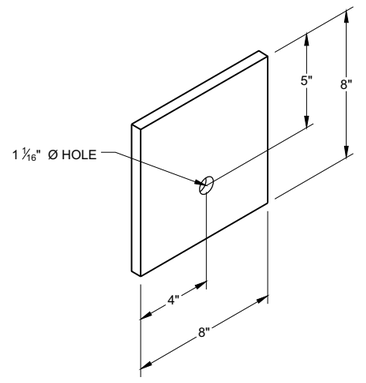
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

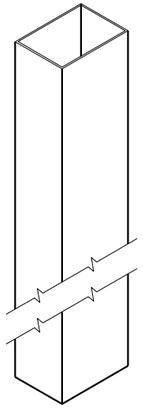
6

SDD 14B44 - 04b

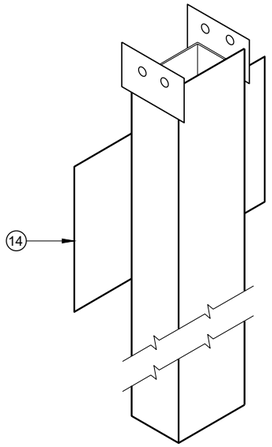
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

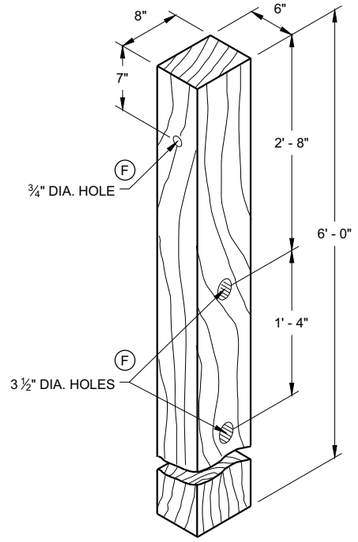
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



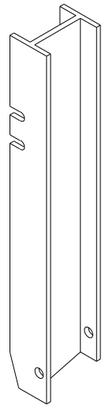
UPPER POST NO. 1 (1) (E)



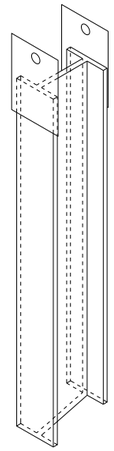
LOWER POST NO. 1 (2) (E)



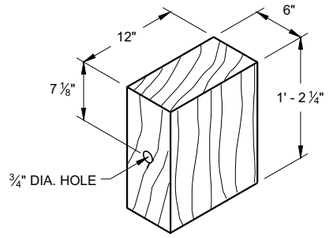
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



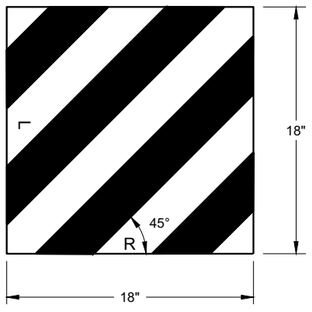
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

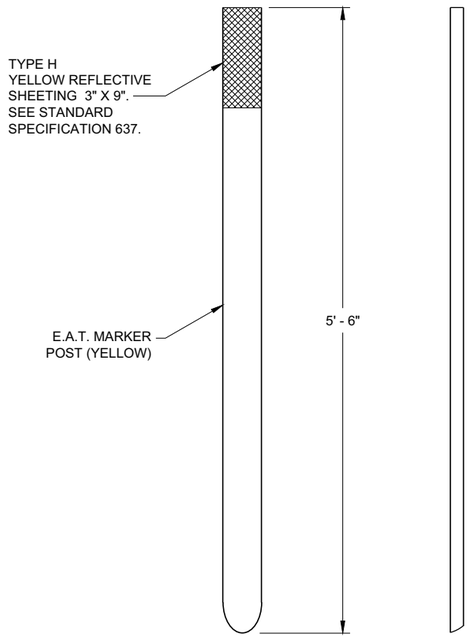


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



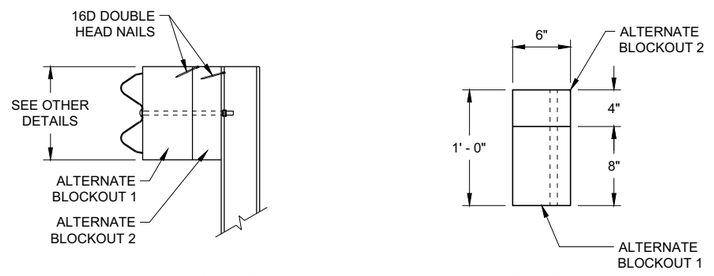
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

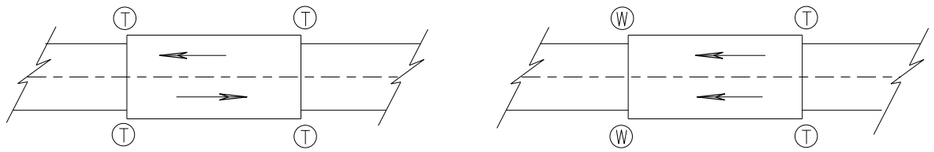
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

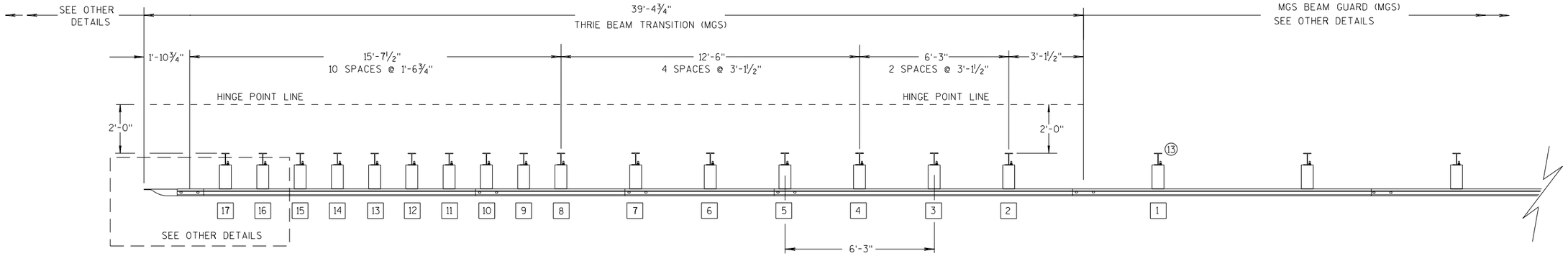
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

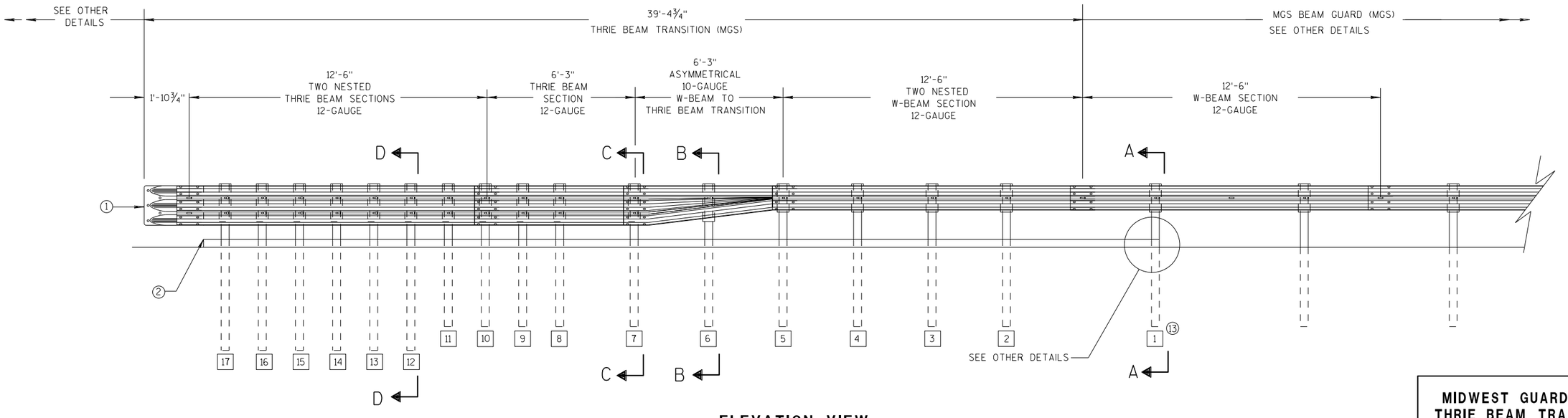
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 445

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

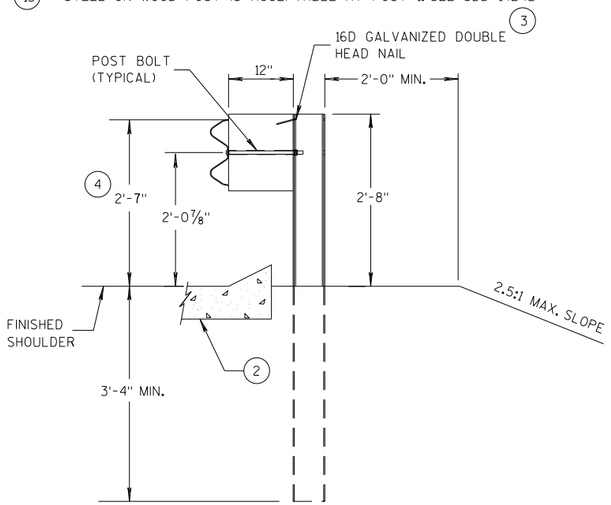
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

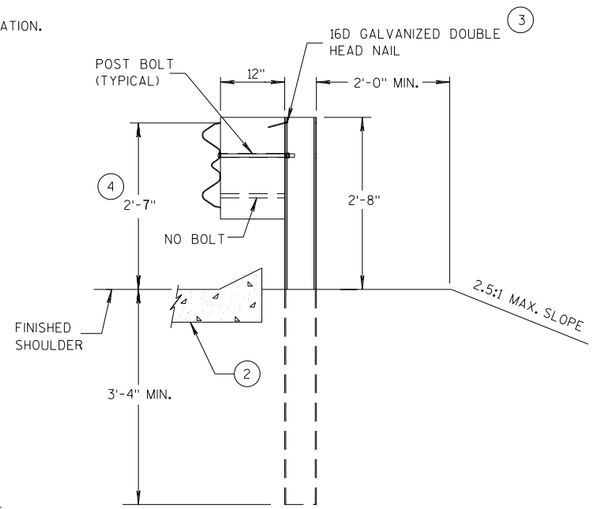
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



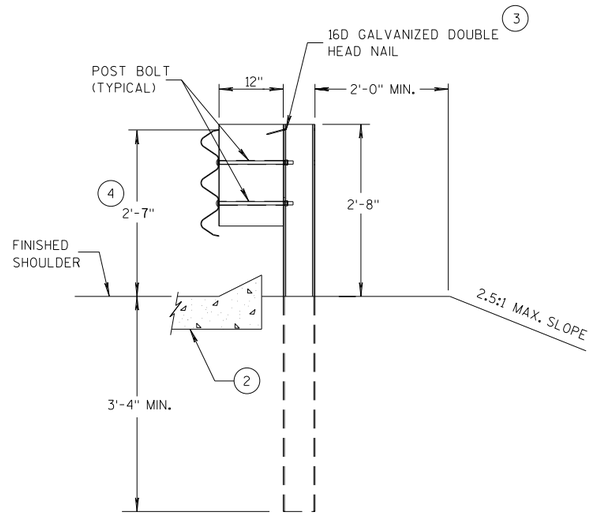
SECTION A-A (13)

POSTS 1-5



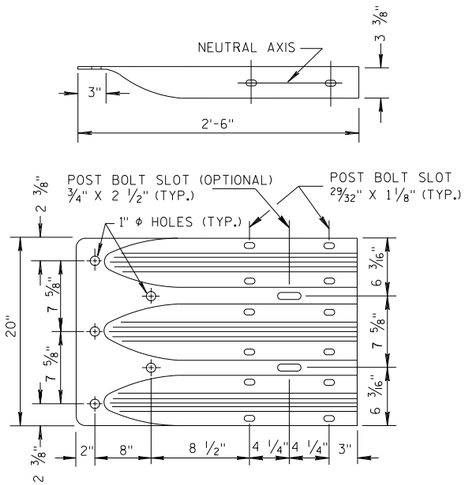
SECTION B-B

POST 6

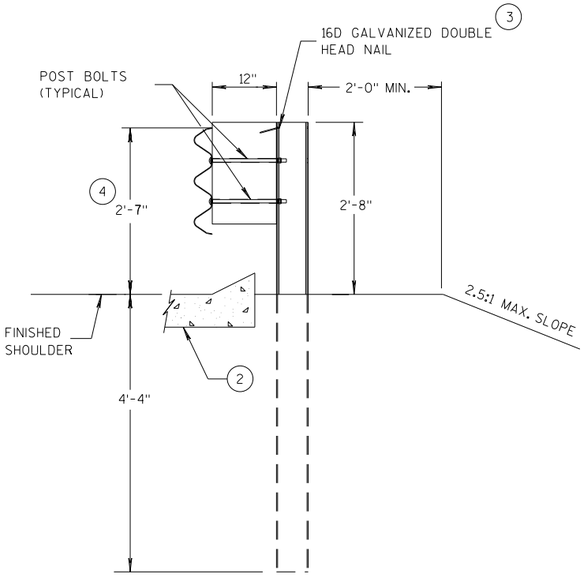


SECTION C-C

POSTS 7-11

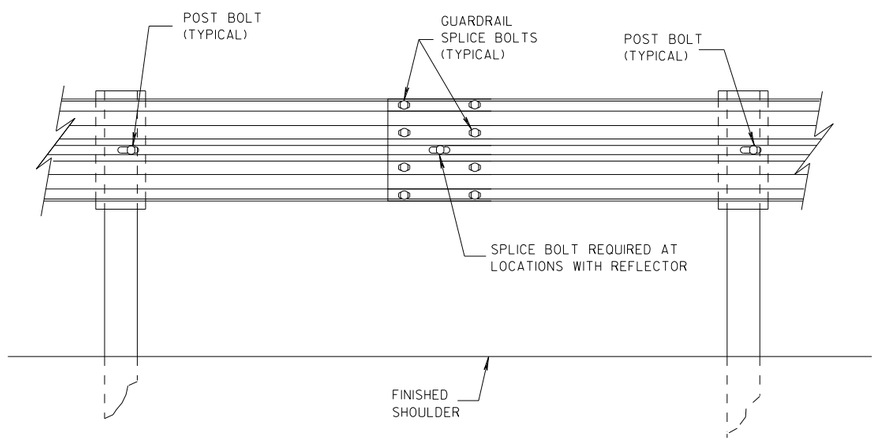


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

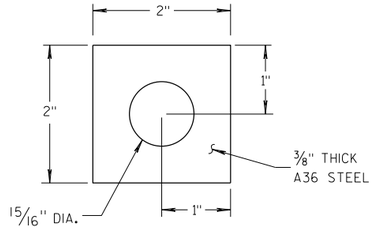
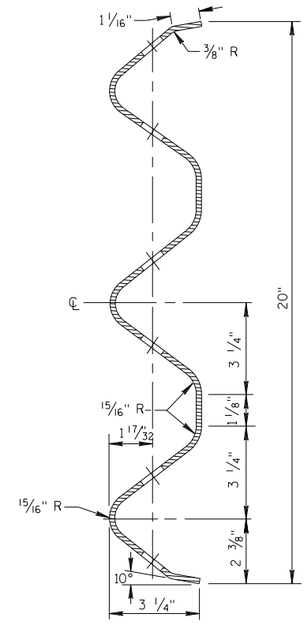


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

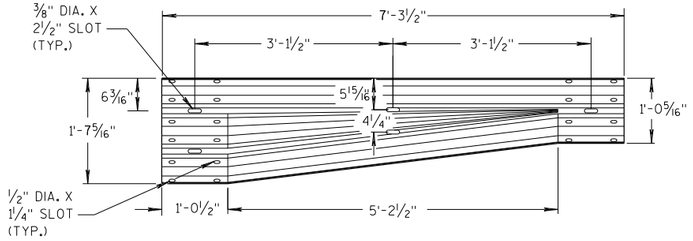
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 446

6

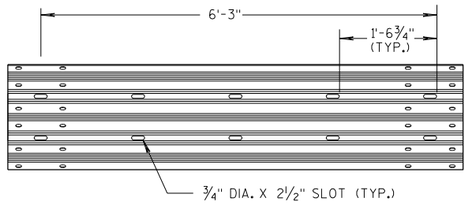
S.D.D. 14 B 45-5b

6

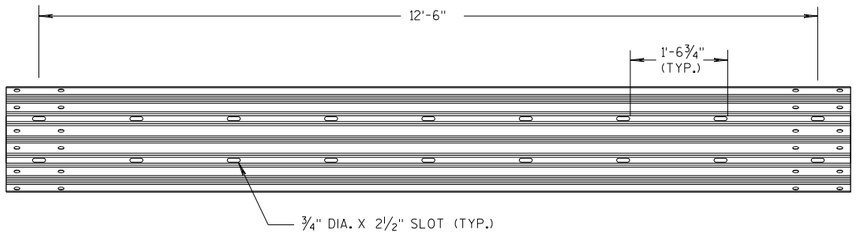
S.D.D. 14 B 45-5b



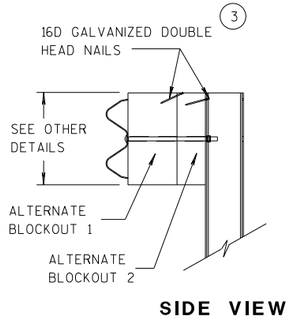
W-BEAM TO THRIE BEAM TRANSITION SECTION



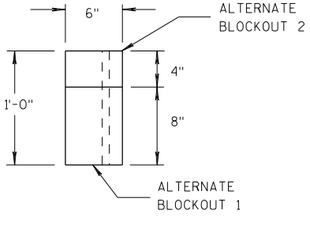
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

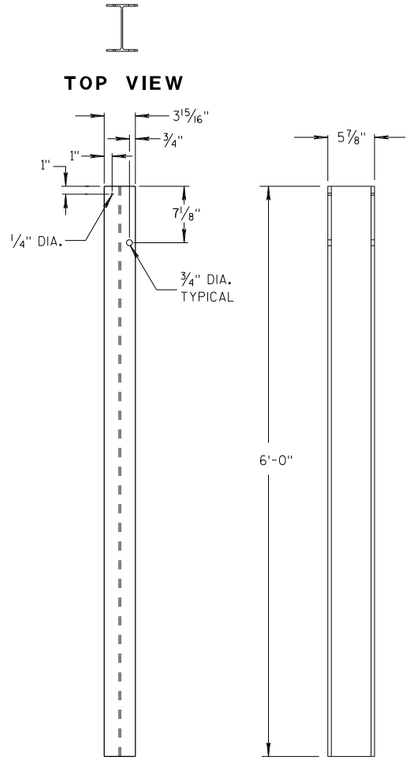


SIDE VIEW



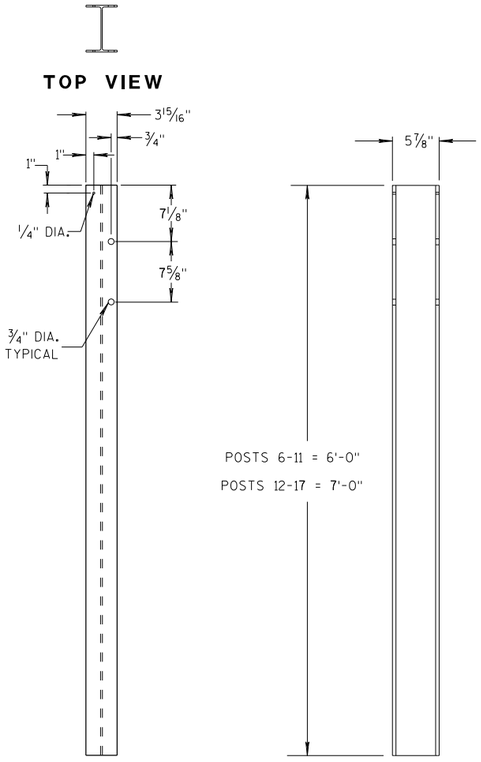
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



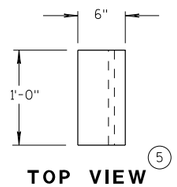
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

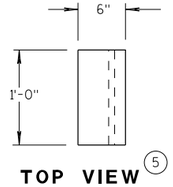


FRONT VIEW SIDE VIEW

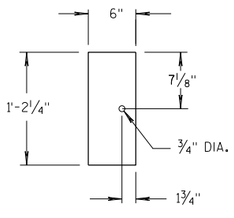
STEEL POSTS 6-17



TOP VIEW (5)

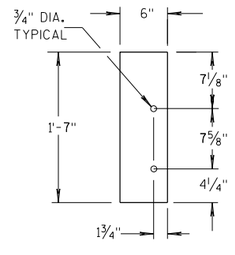


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

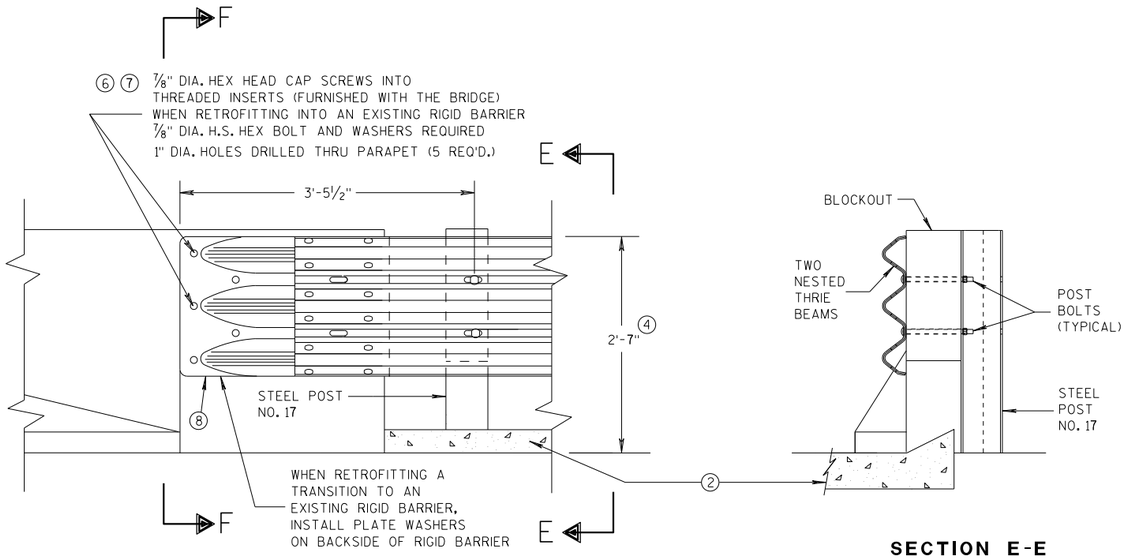
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 447

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.

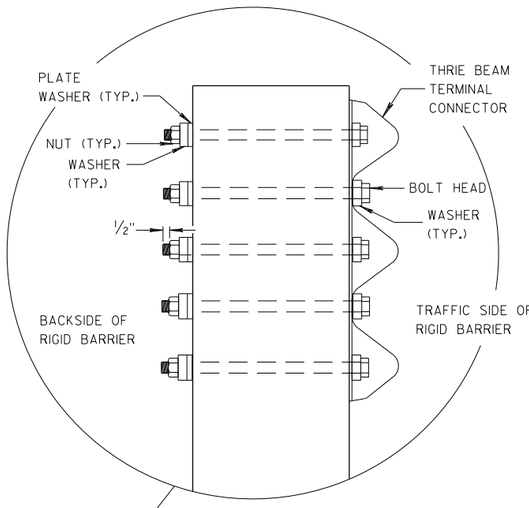
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

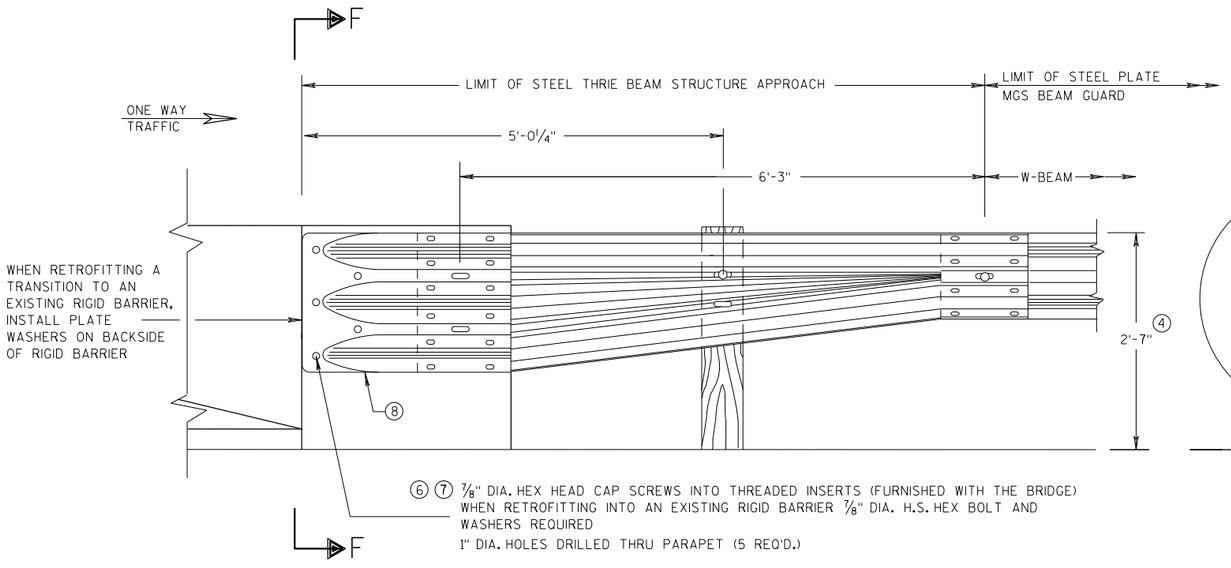
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

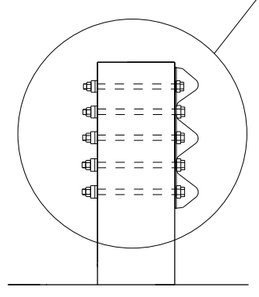
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. 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".

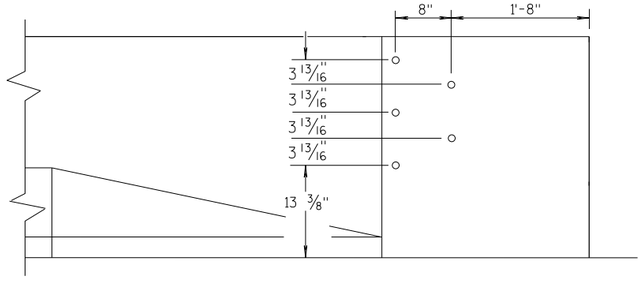




FRONT VIEW



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 UNIT SUPERVIS ...NT
FHWA

6

S.D.D. 14 B 45-5d

6

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.

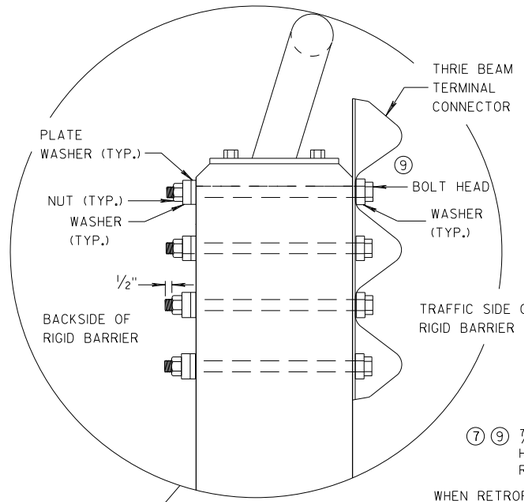
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

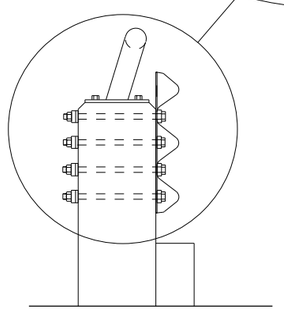
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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.

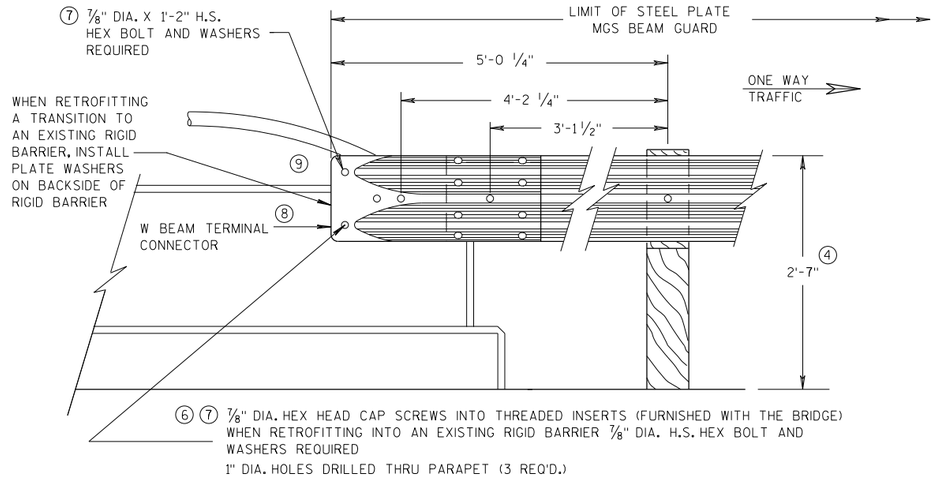
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(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.





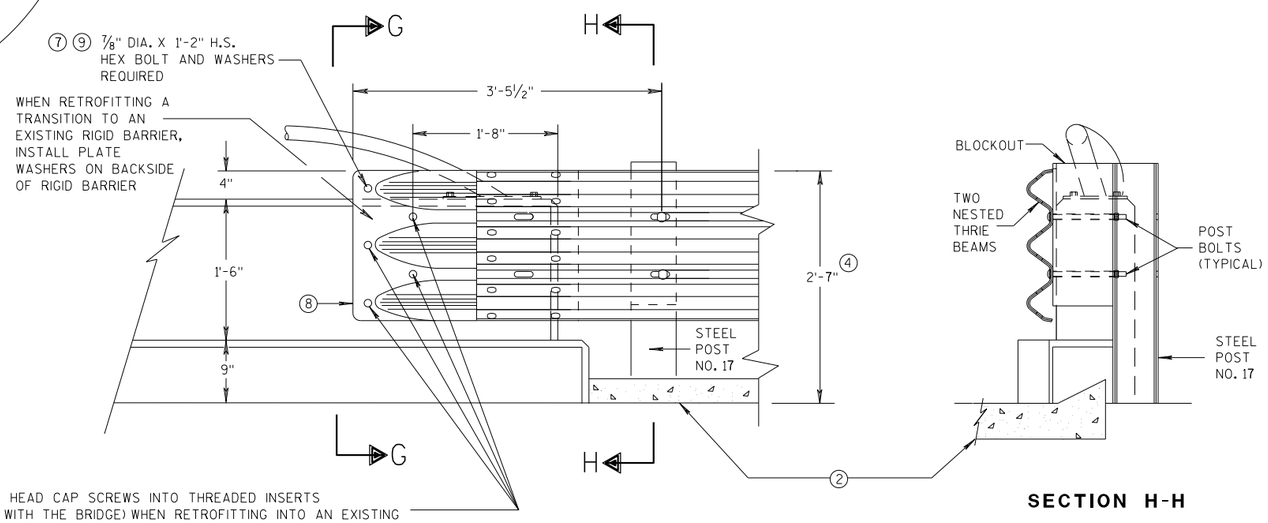
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVIS

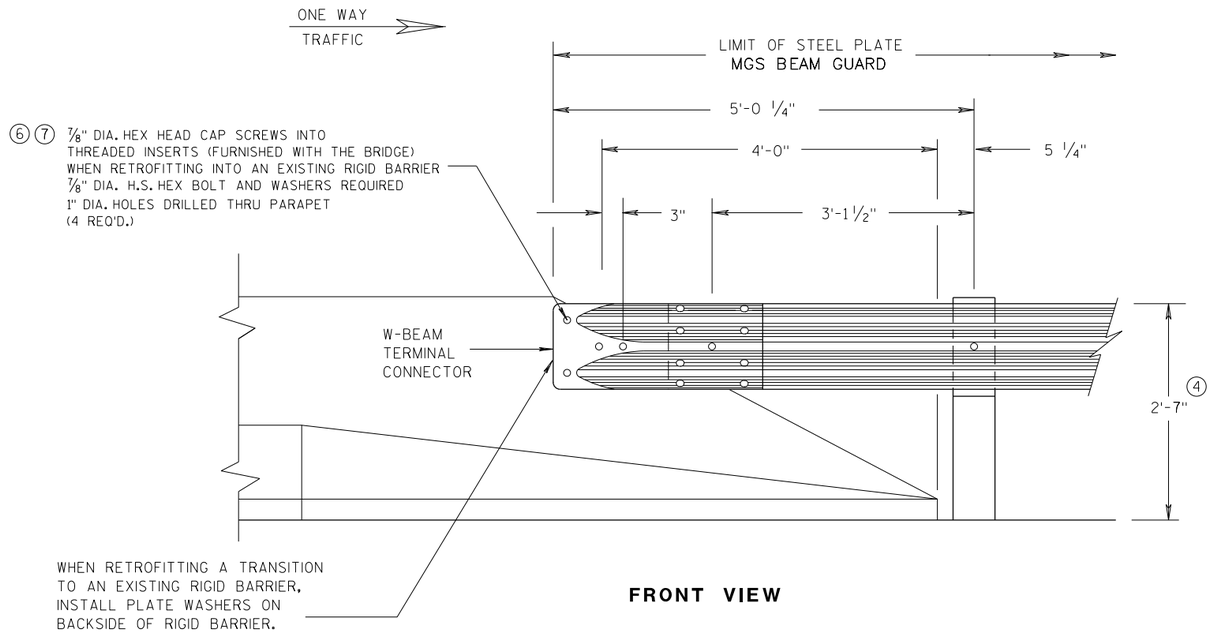
NT

6

S.D.D. 14 B 45-5e

6

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)

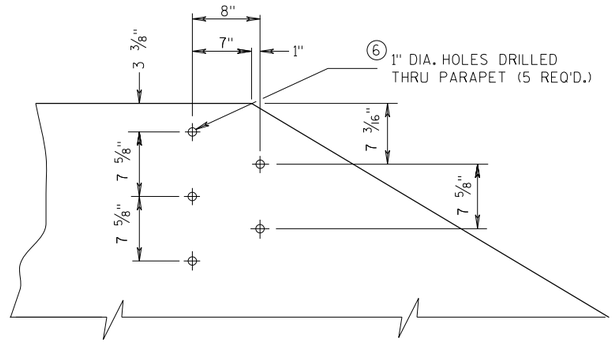
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

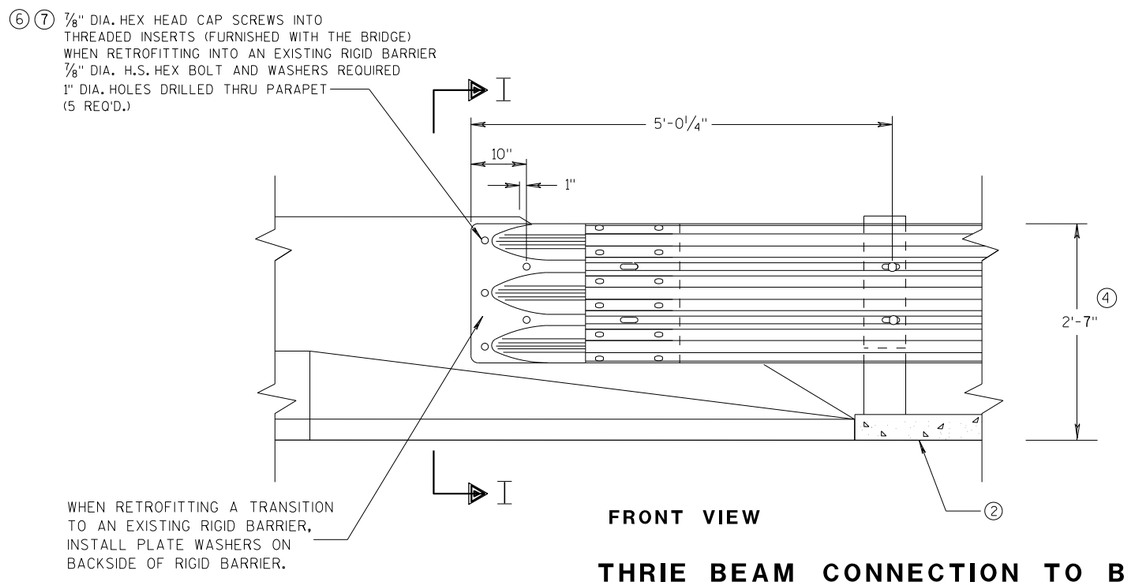
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

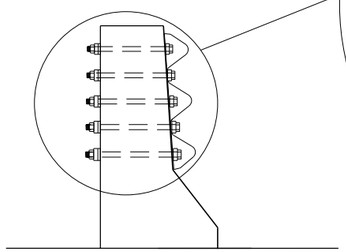
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



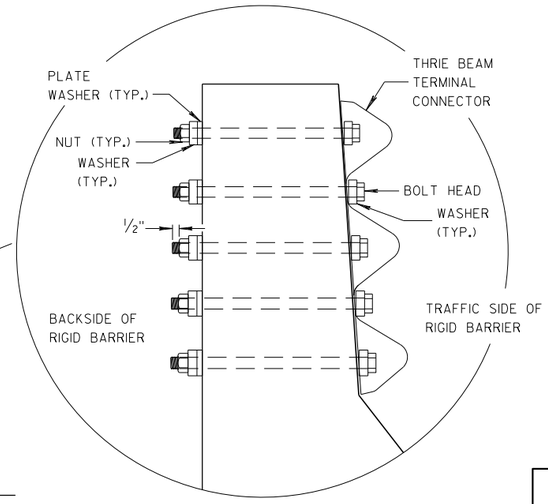
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

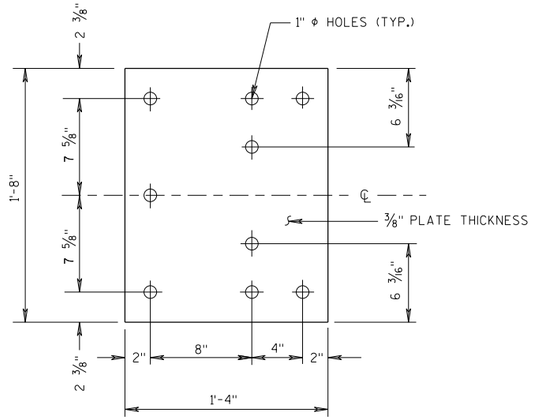
APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS [illegible] ENT
UNIT SUPERVI
FHWA

6

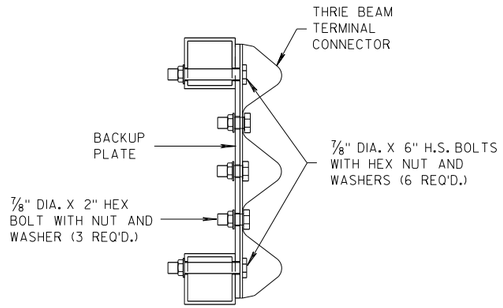
S.D.D. 14 B 45-5f

6

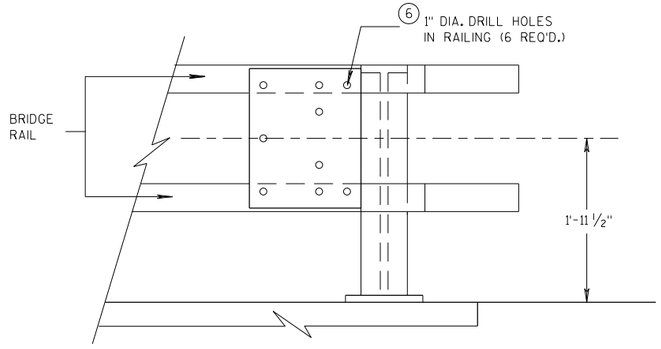
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

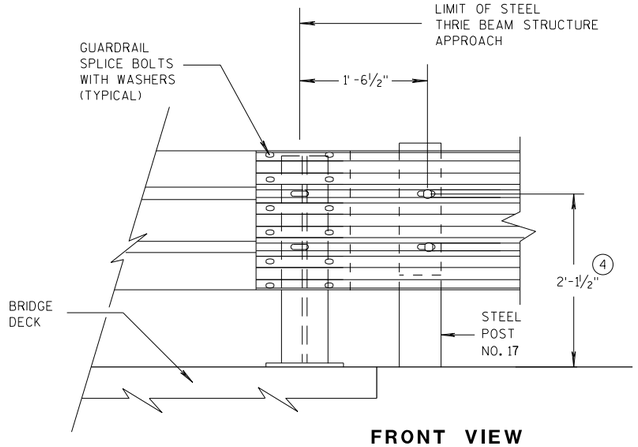


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

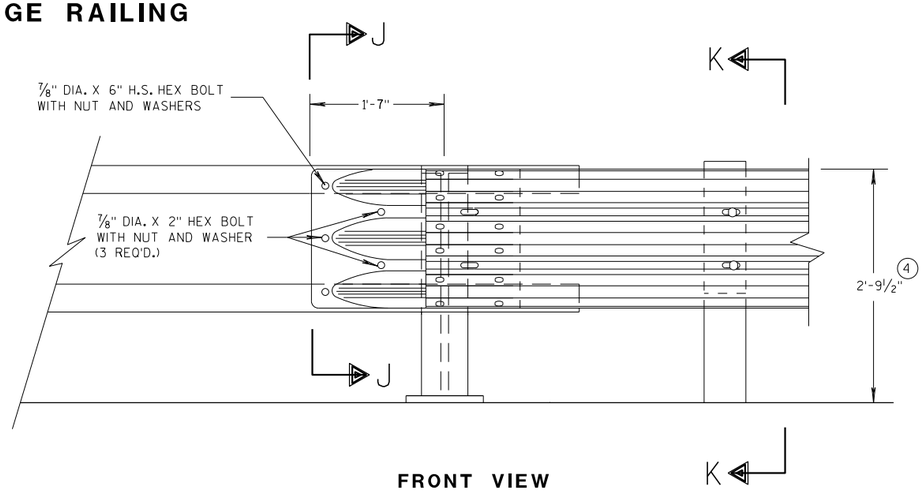
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

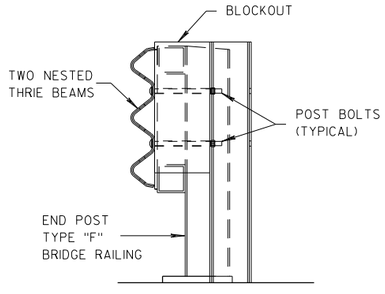


FRONT VIEW

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

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 451
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

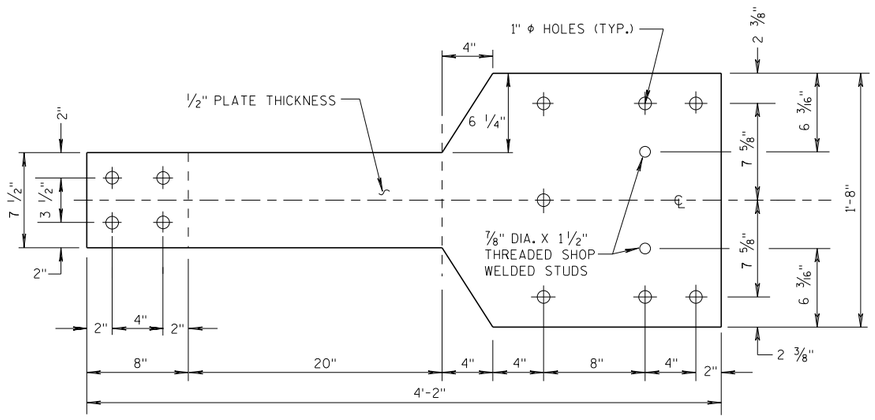
S.D.D. 14 B 45-5g

6

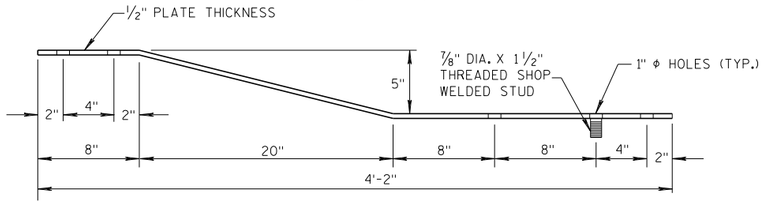
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

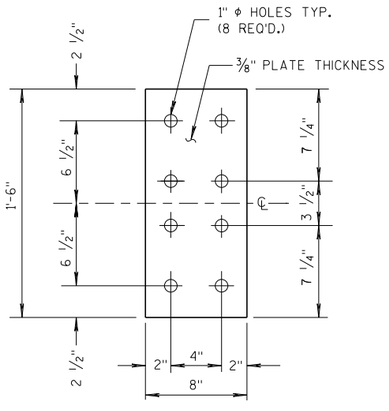


FRONT VIEW



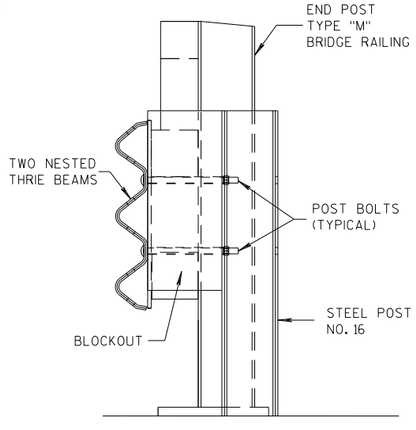
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

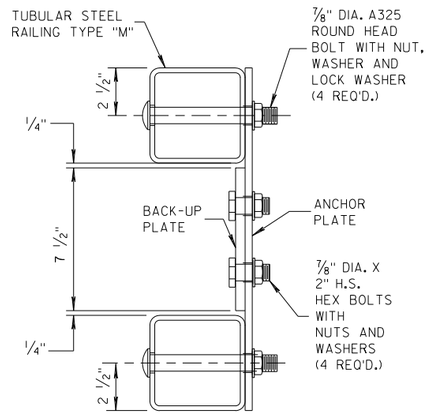


FRONT VIEW

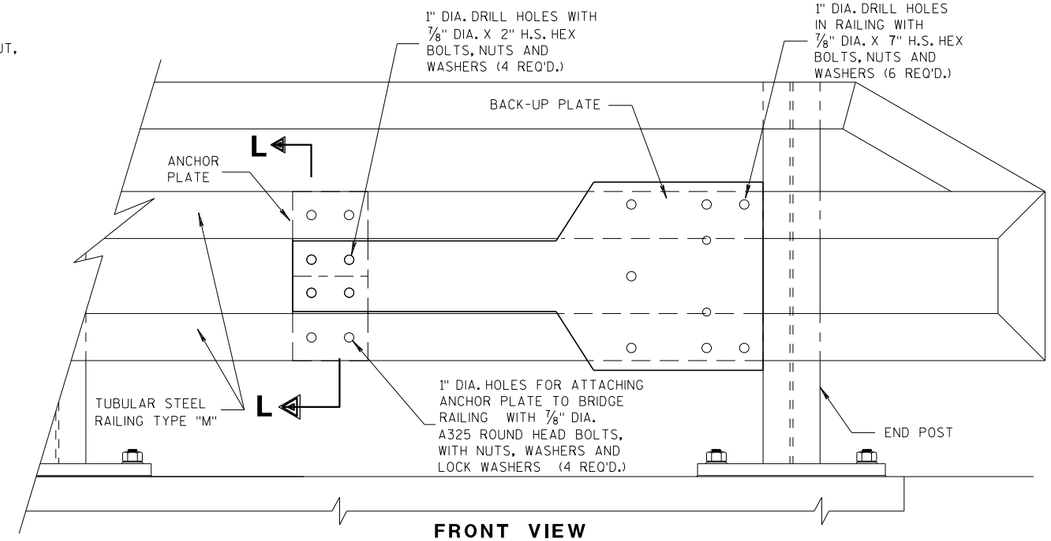
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

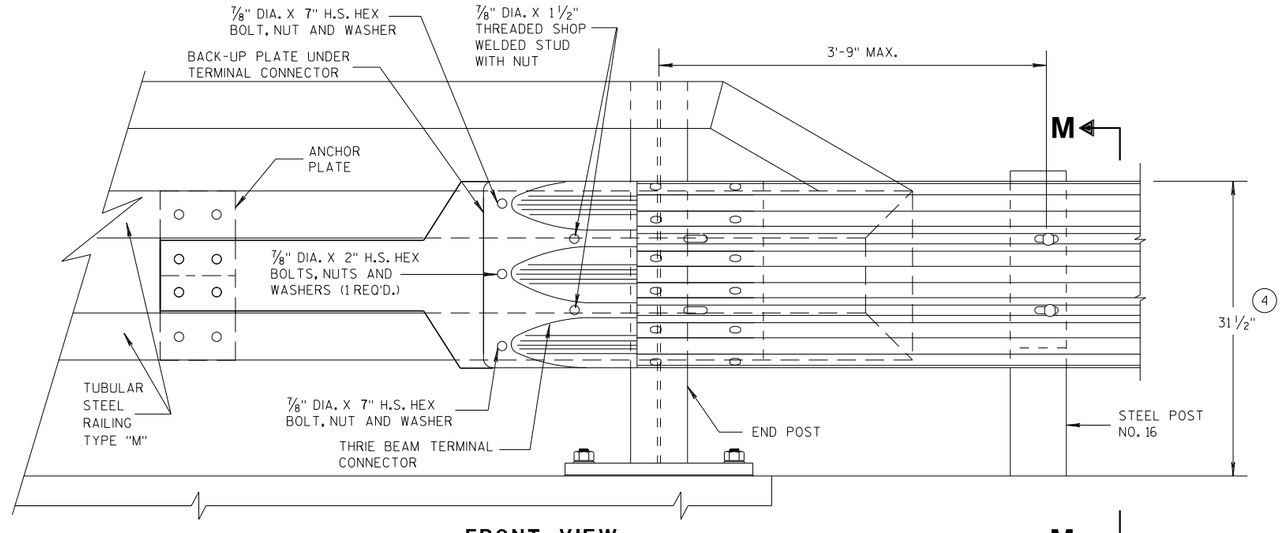


SECTION L-L

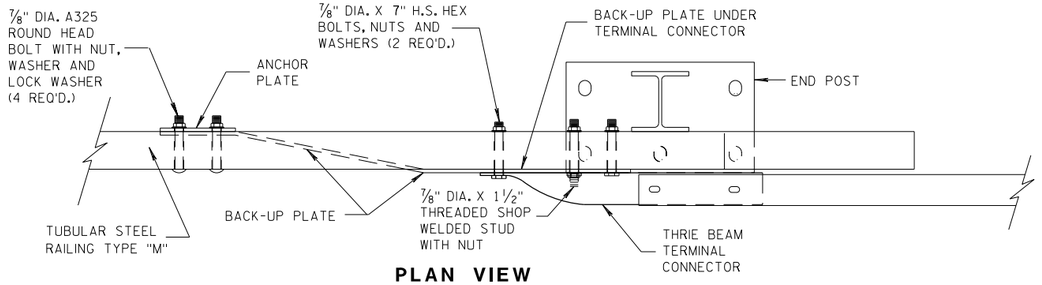


FRONT VIEW

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

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 14 B 45-5h

6

S.D.D. 14 B 45-5h

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.

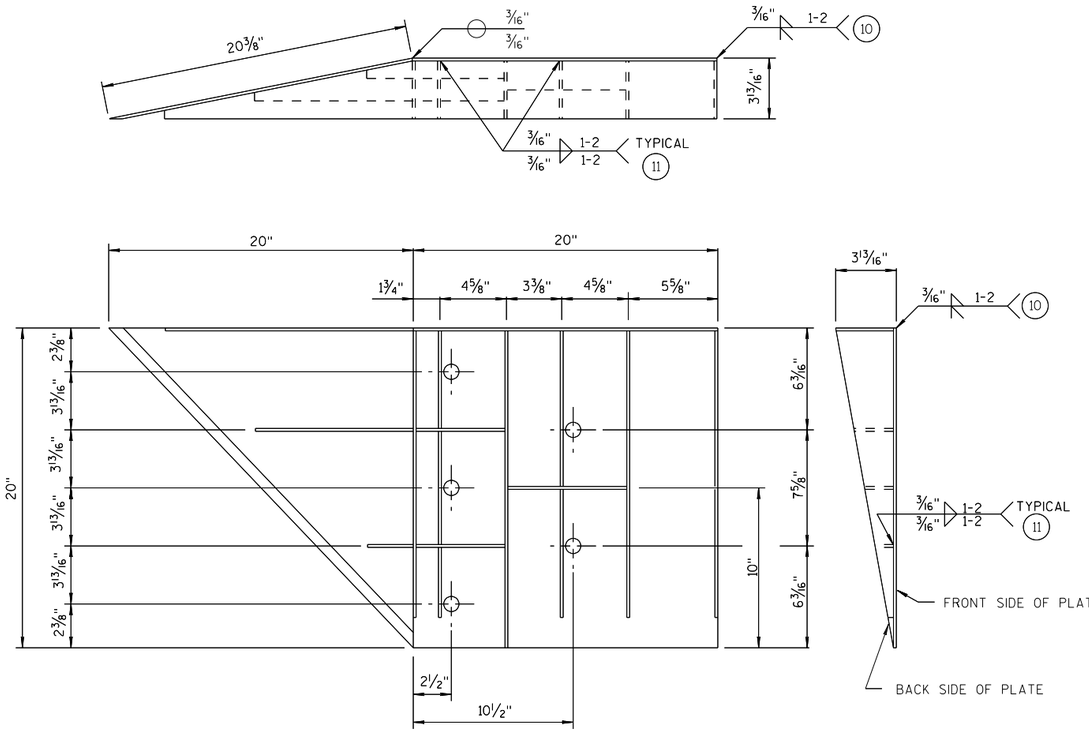
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

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)

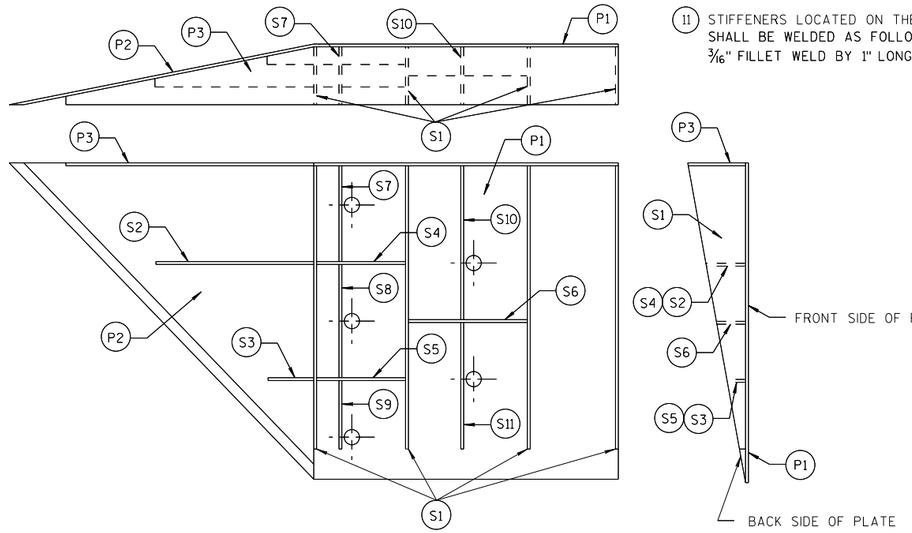


PLATE AND STIFFENER IDENTIFICATION

(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)

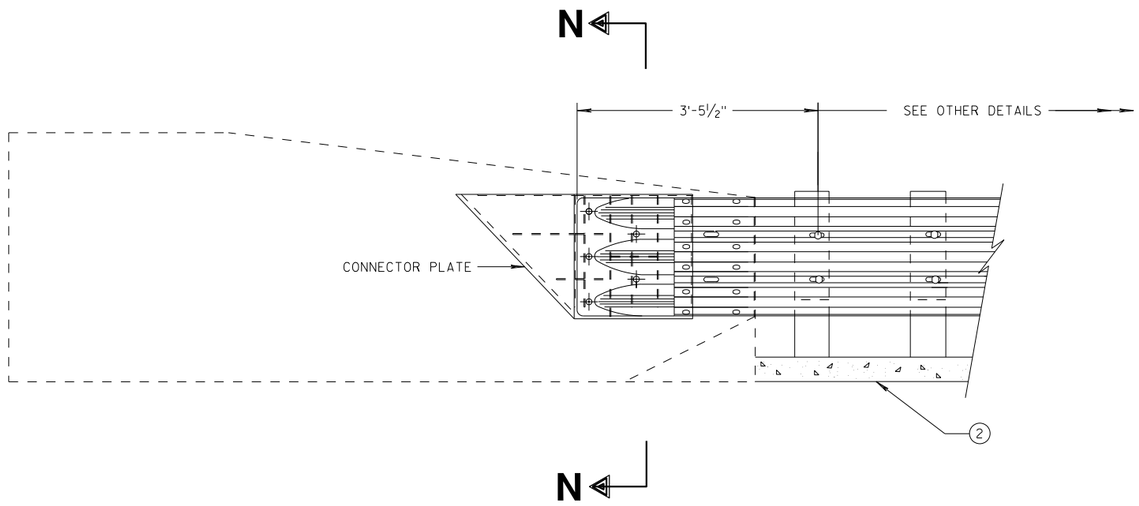
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

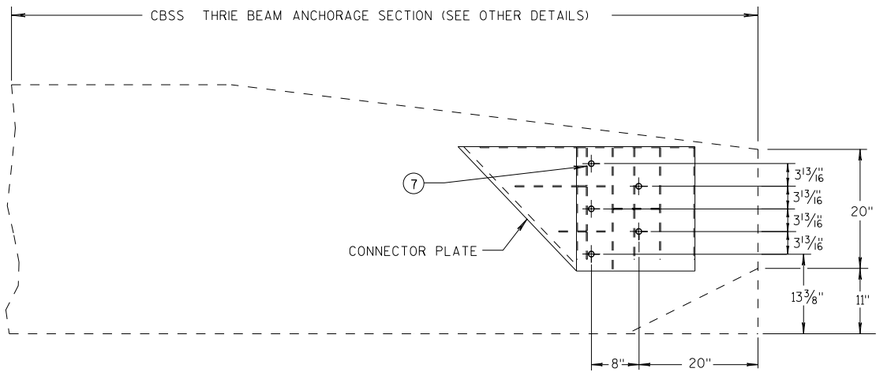
/S/ Rodney Taylor
ROADWAY STANDARDS I
UNIT SUPERVI

6

S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



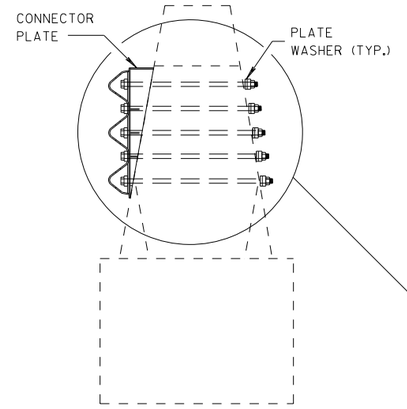
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

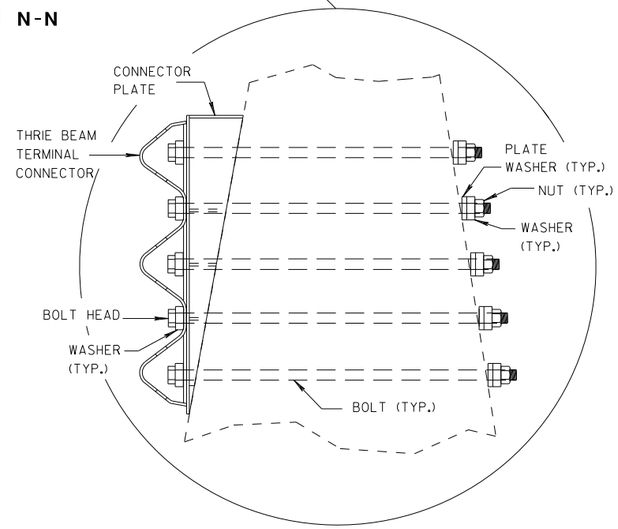
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(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)

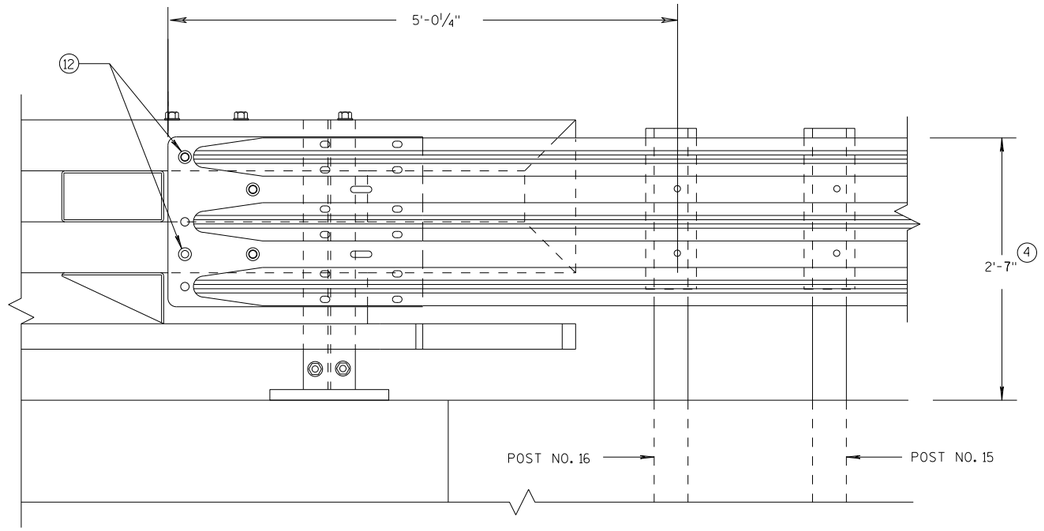
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DI
UNIT SUPERVIS

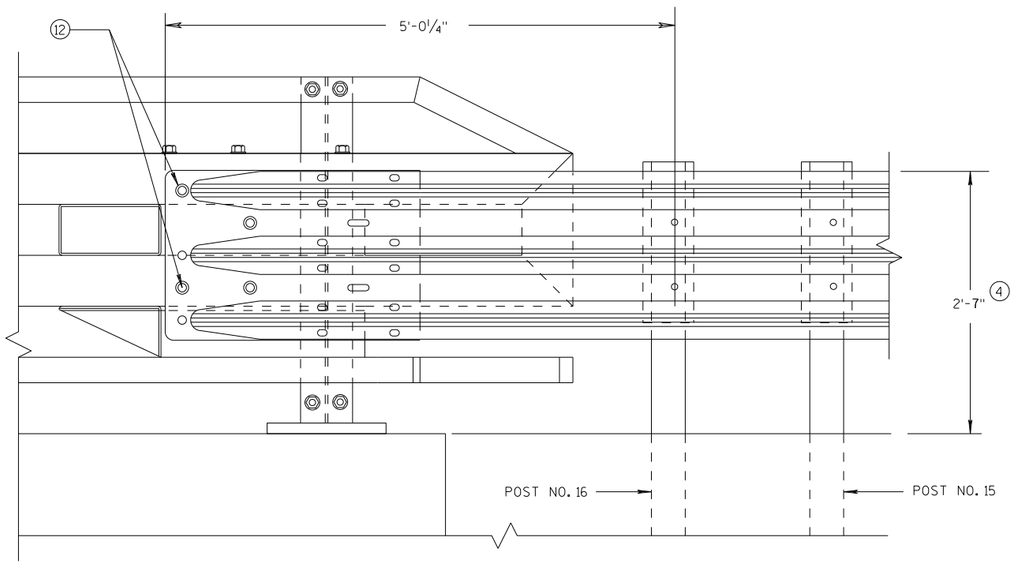
6

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

/S/ Rodney Taylor
ROADWAY STANDARDS D 455 NT
UNIT SUPERVIS

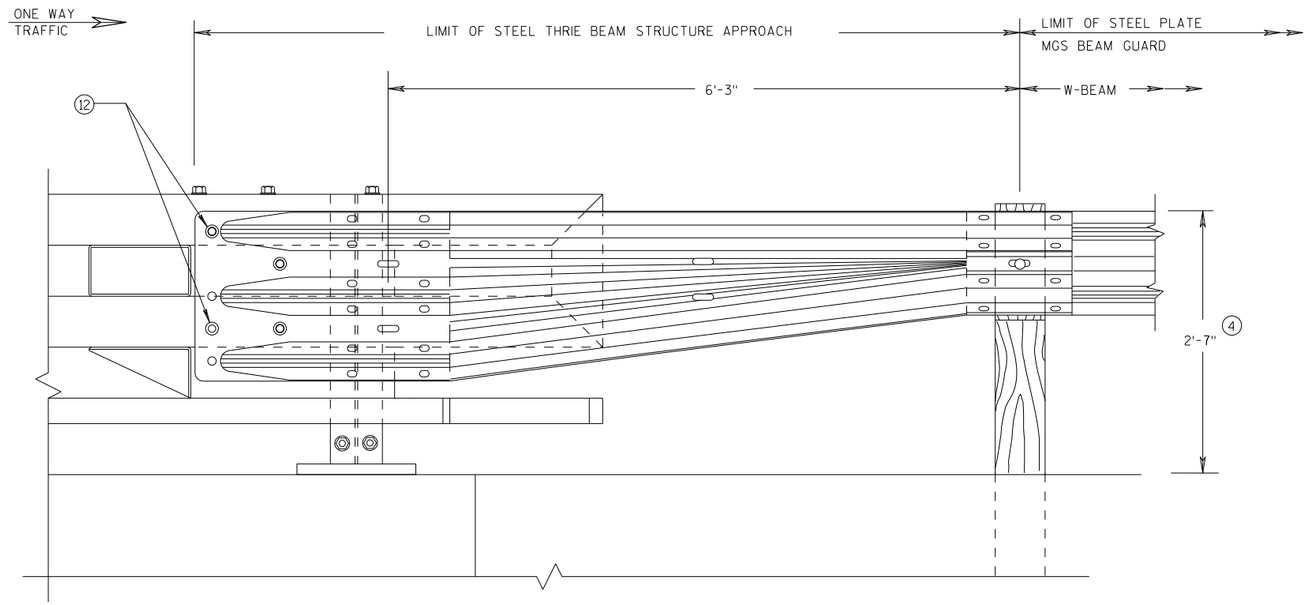
FHWA

6

S.D.D. 14 B 45-5k

6

S.D.D. 14 B 45-5k



FRONT VIEW

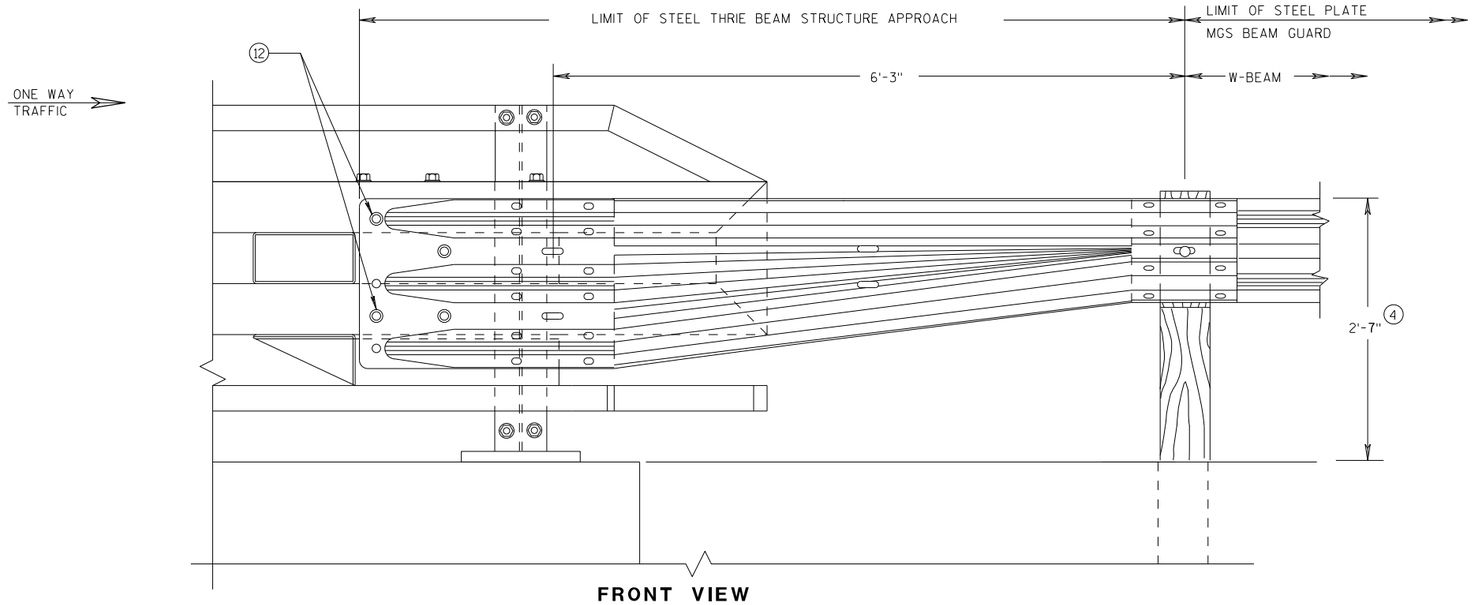
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(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

456

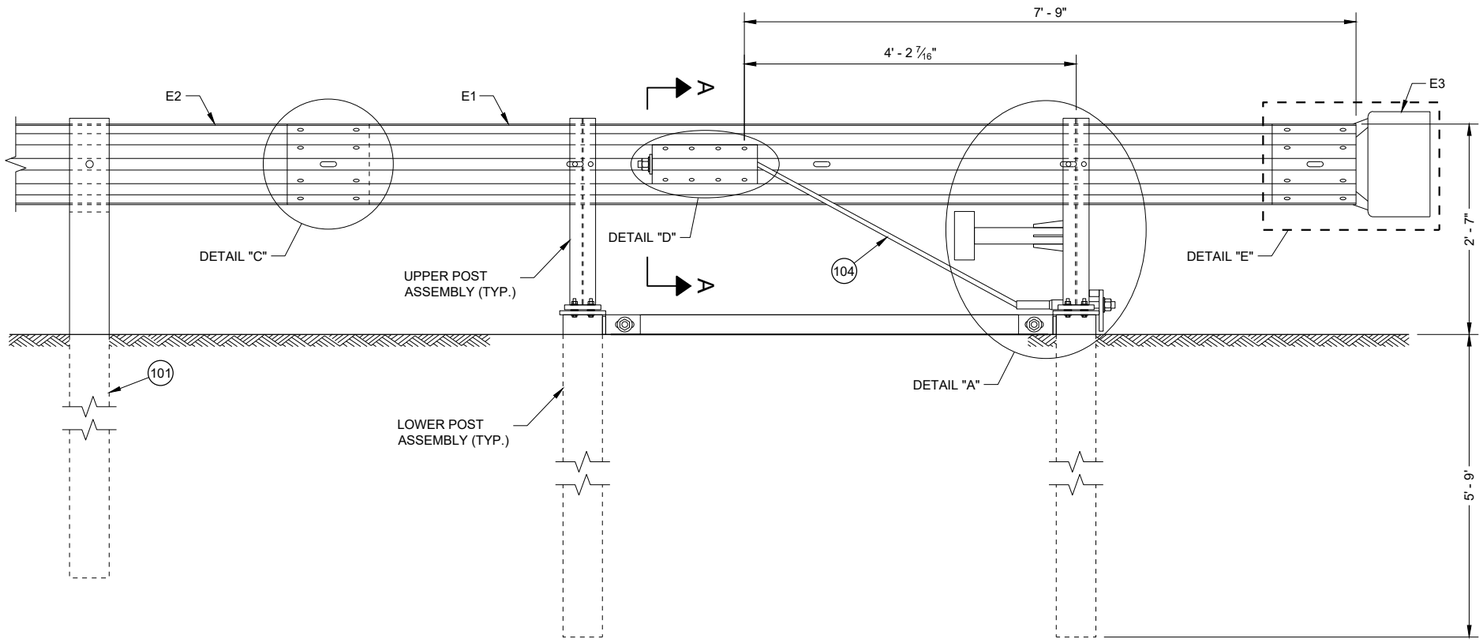
NT

6

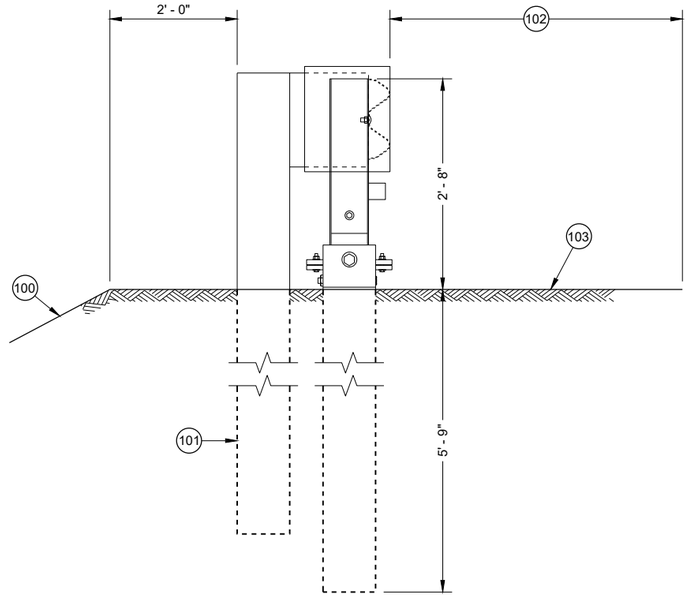
S.D.D. 14 B 45-5L

6

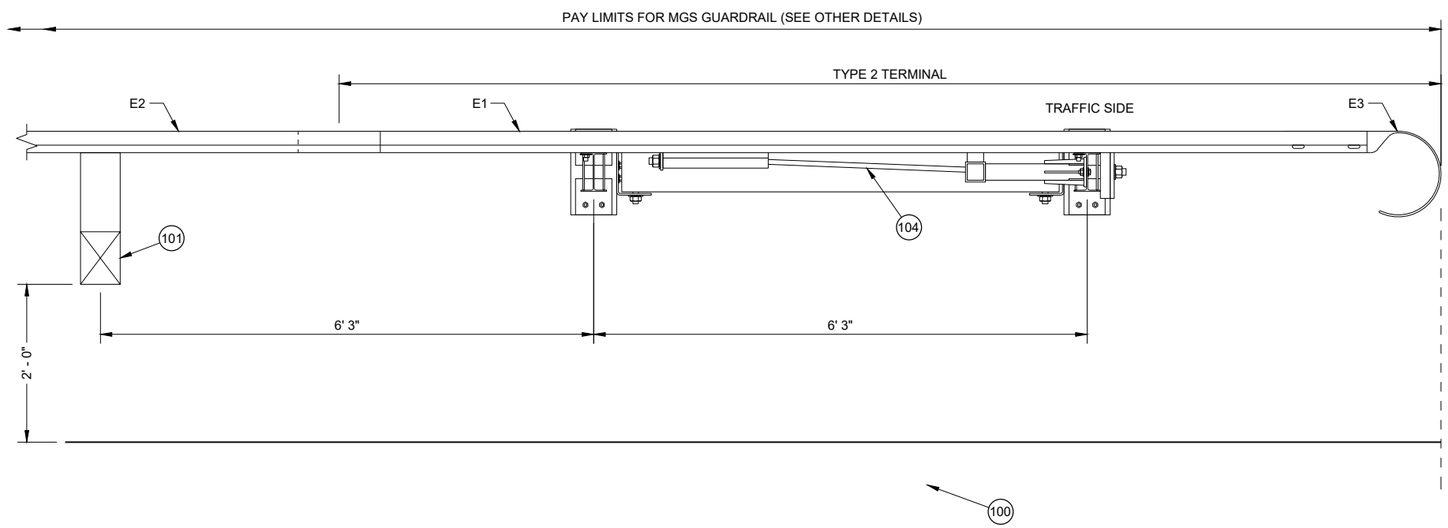
S.D.D. 14 B 45-5L



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.

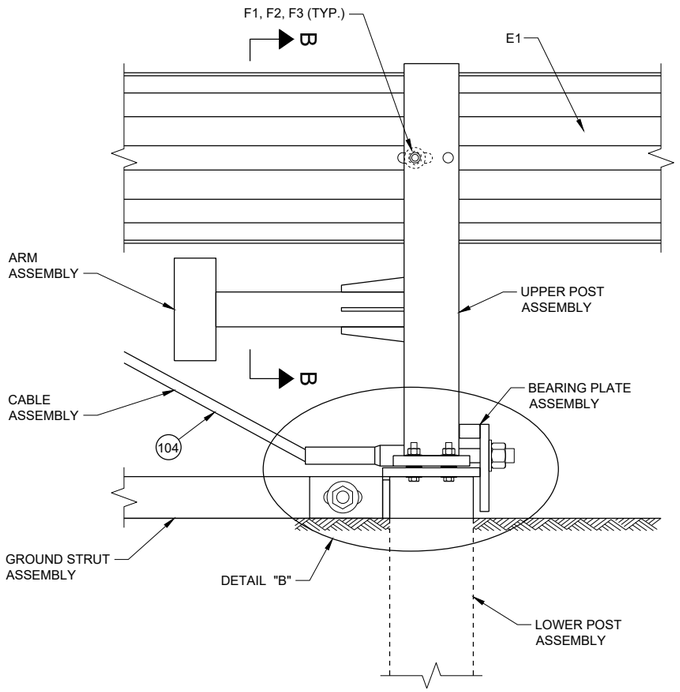
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

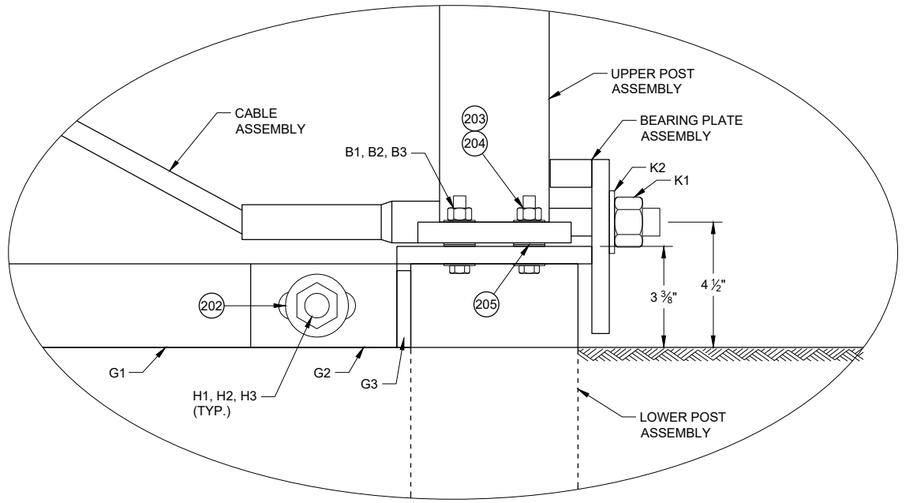
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

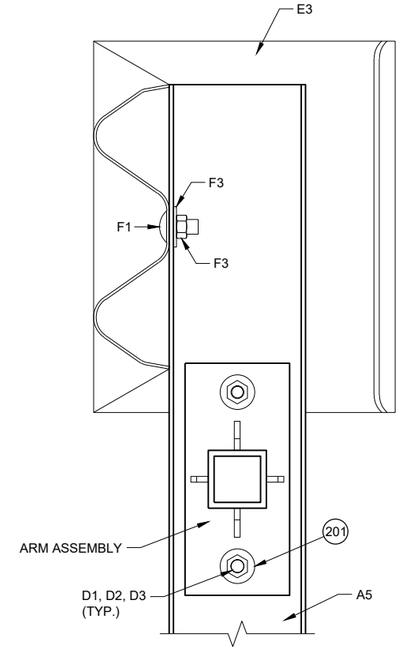
SDD 14B47 - 05a



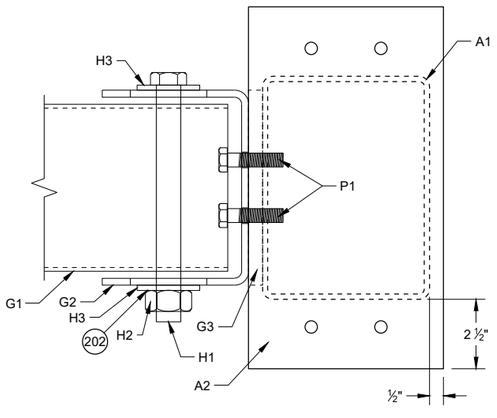
DETAIL "A"



DETAIL "B"

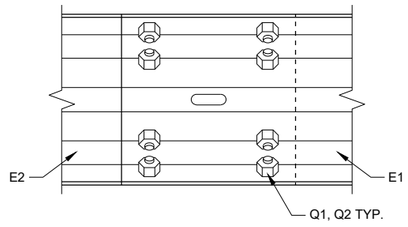


SECTION B - B



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.

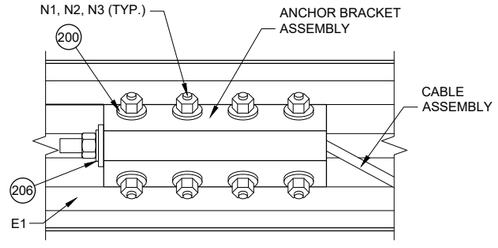
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

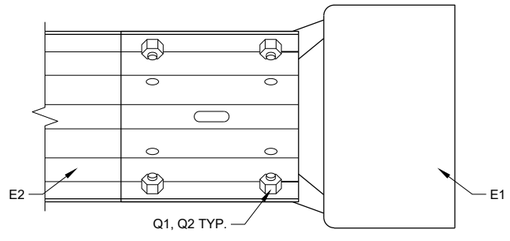
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

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

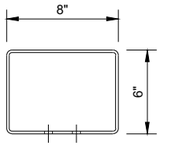
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

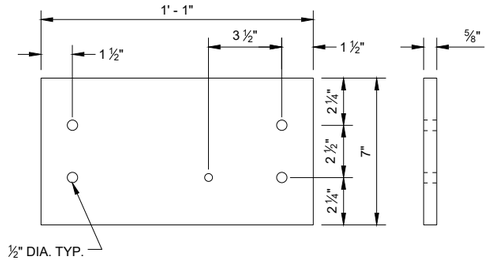
SDD 14B47 - 05b

GENERAL NOTES

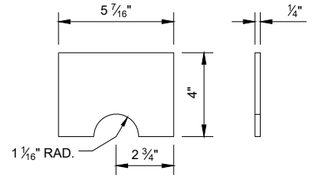
(300) TAP FOR 1/2" AFTER GALVANIZATION



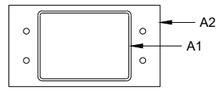
TOP VIEW



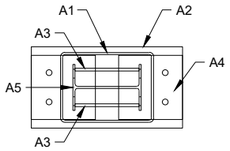
LOWER PLATE (A2)

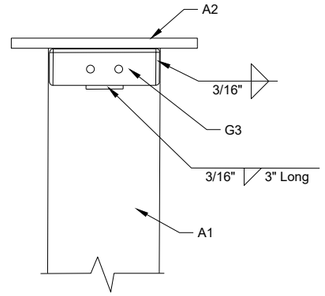


POST GUSSET (A3)

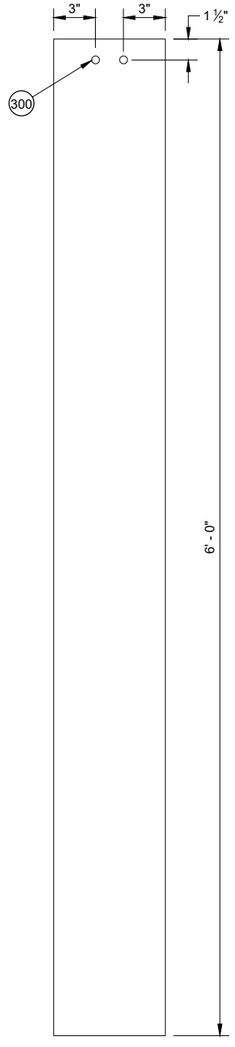


PLAN VIEW



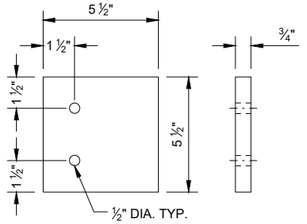


WELDING DETAIL
G3 AND A1

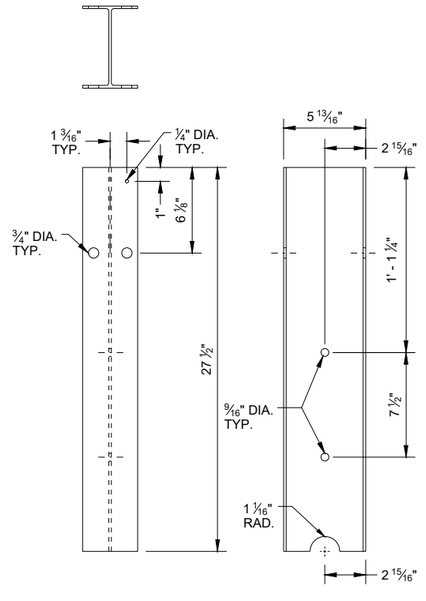


SIDE VIEW

FOUNDATION TUBE (A1)

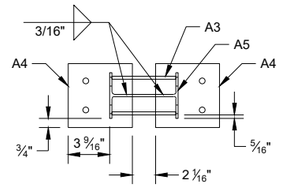


UPPER PLATE (A4)

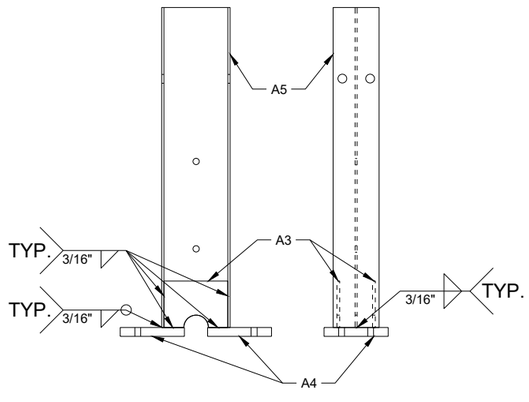


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

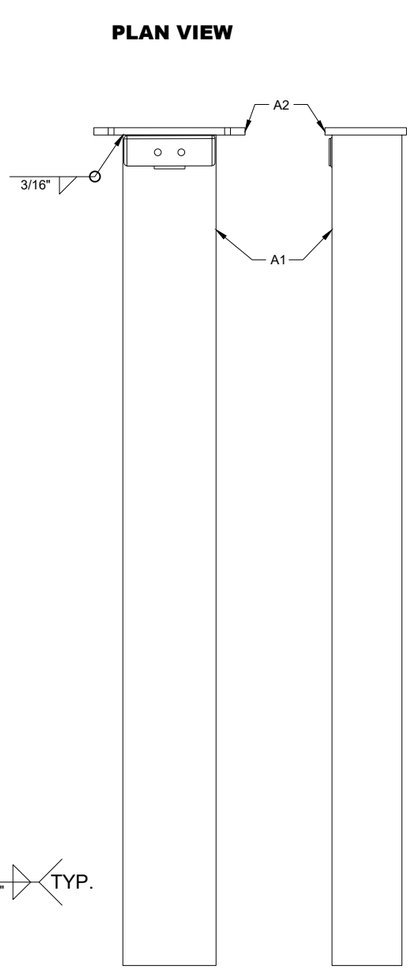


PLAN VIEW



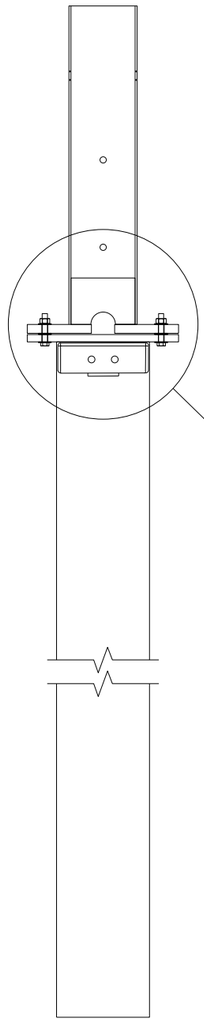
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

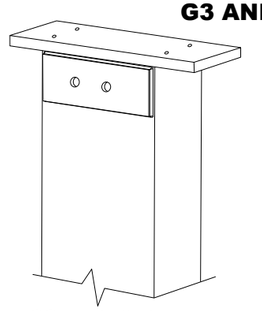


FRONT VIEW SIDE VIEW

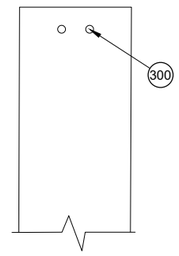
LOWER POST ASSEMBLY



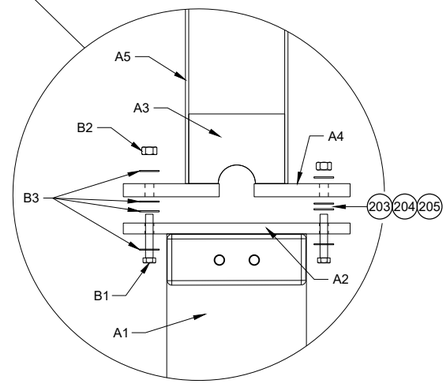
ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC



A1



POST CONNECTION DETAIL

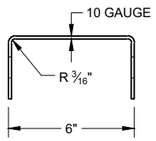
MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

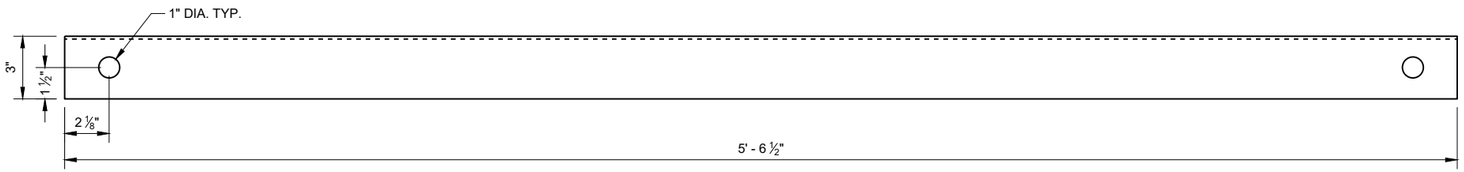
6

SDD14B47 - 05c

SDD14B47 - 05c

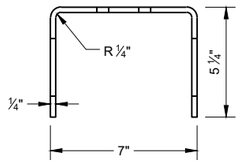


SIDE VIEW

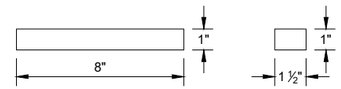


FRONT VIEW

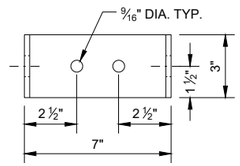
GROUND STRUT CHANNEL (G1)



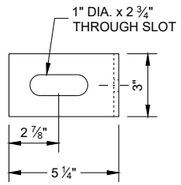
TOP VIEW



BEARING PLATE FLANGE (L2)

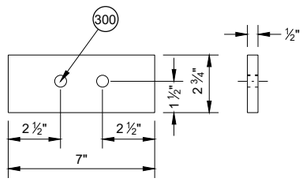


FRONT VIEW

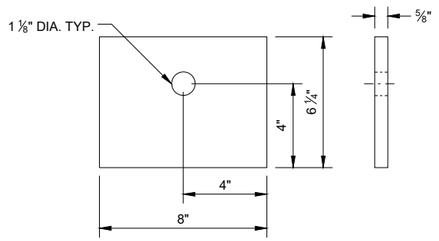


SIDE VIEW

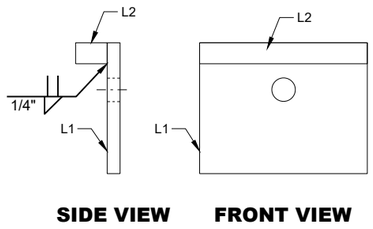
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

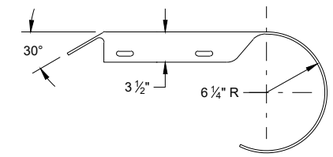


BEARING PLATE (L1)

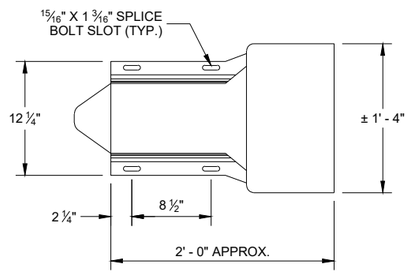


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

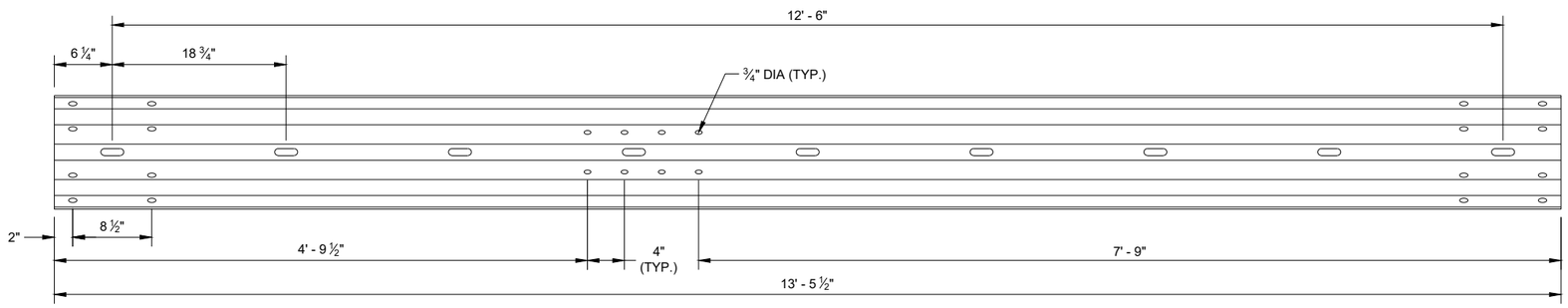


PLAN VIEW

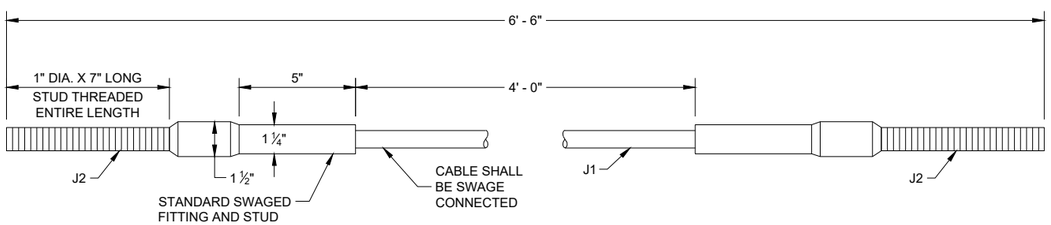


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



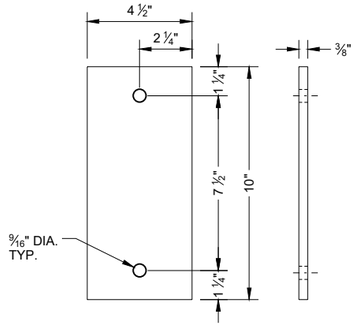
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

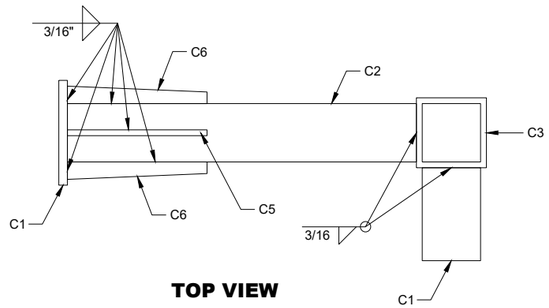
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

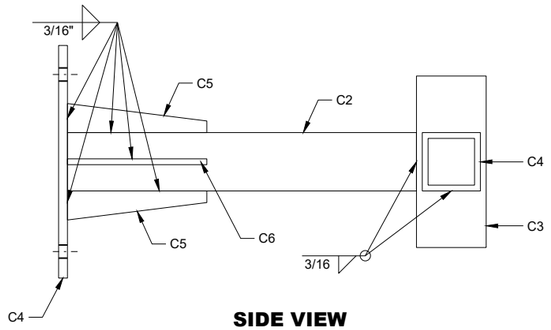
SDD 14B47 - 05d
SDD 14B47 - 05d



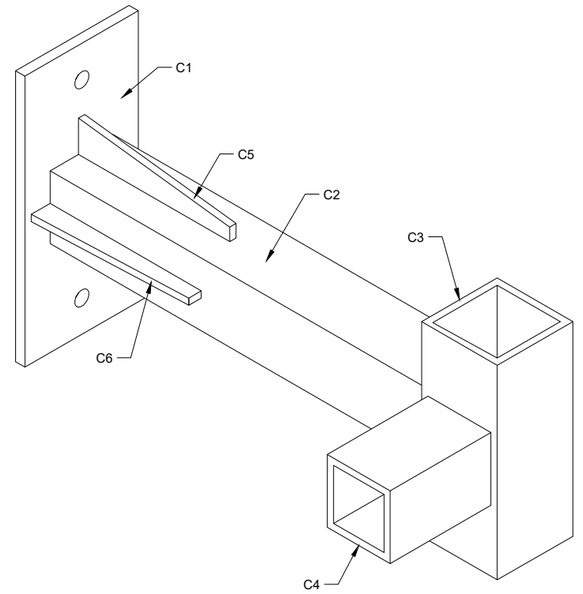
ARM PLATE (C1)



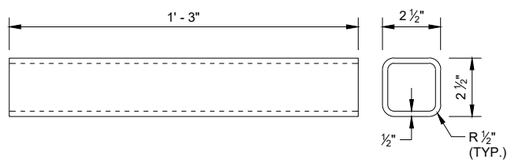
TOP VIEW
ARM ASSEMBLY



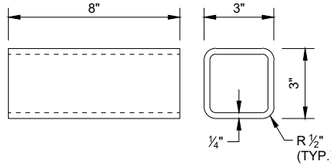
SIDE VIEW
ARM ASSEMBLY



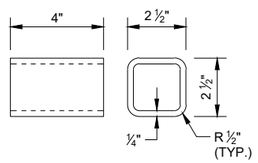
ISOMETRIC VIEW
ARM ASSEMBLY



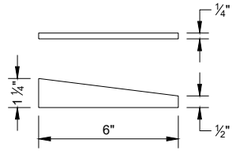
ARM TUBE 1 (C2)



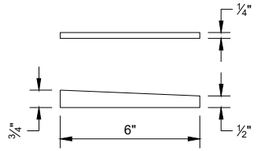
ARM TUBE 2 (C3)



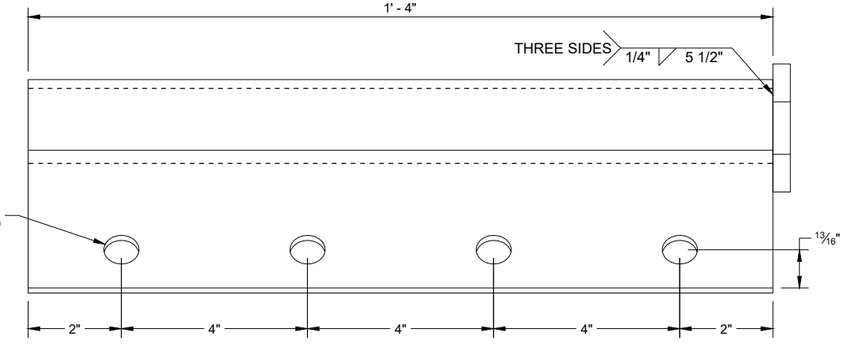
ARM TUBE 3 (C4)

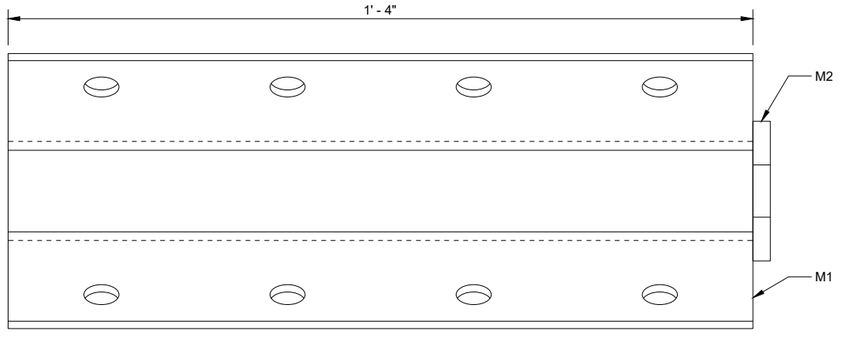


ARM GUSSET PLATE 1 (C5)

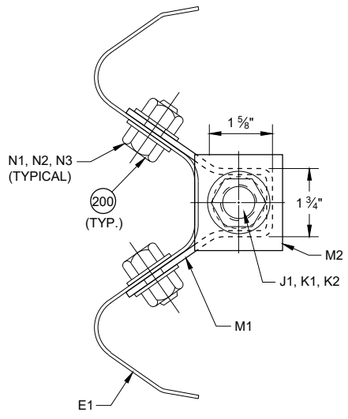


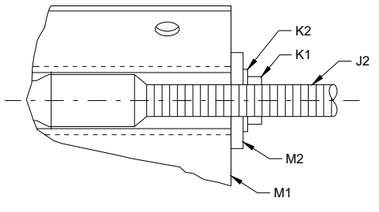
ARM GUSSET PLATE 2 (C6)



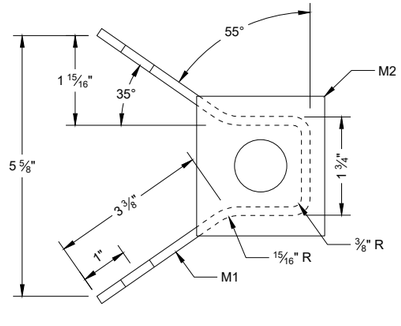


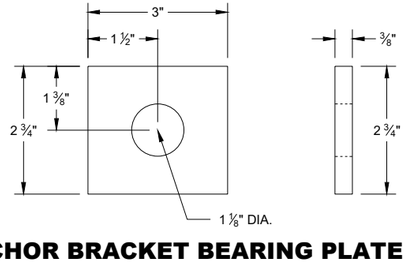
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD14B47 - 05e

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

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

6

SDD 14B47 - 05g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

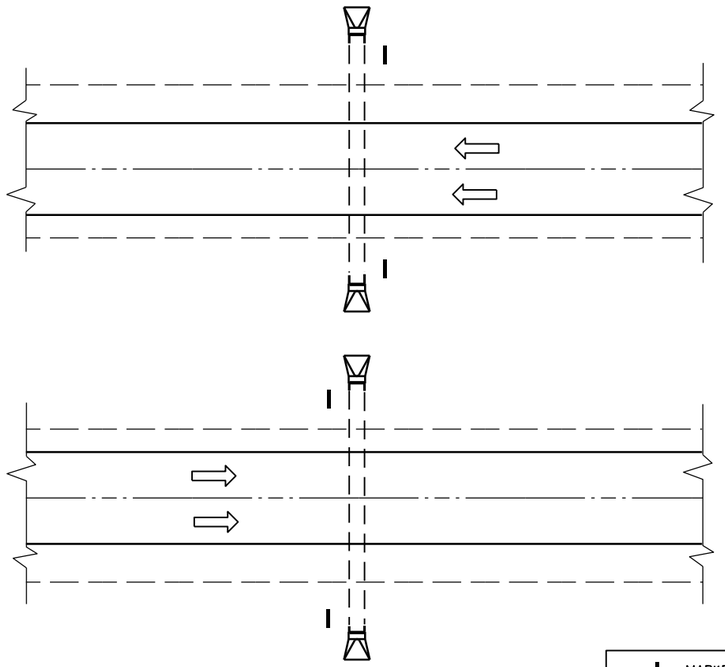
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

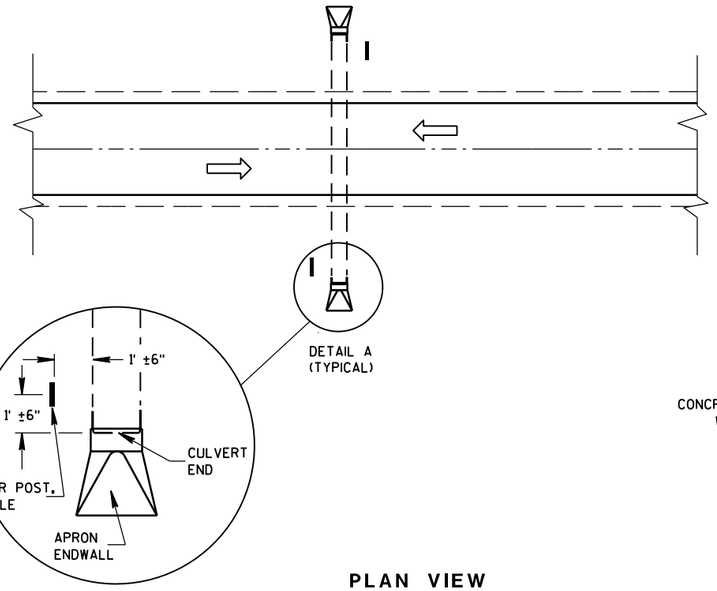
6

SDD 14B47 - 05g



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

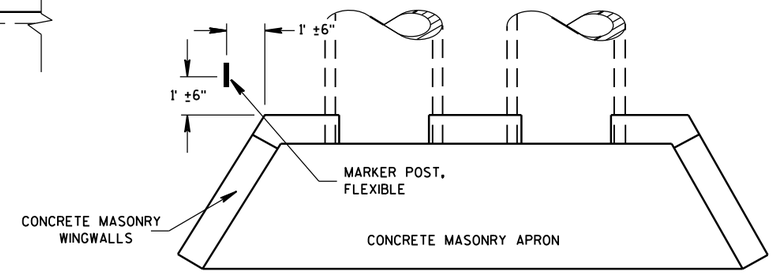
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

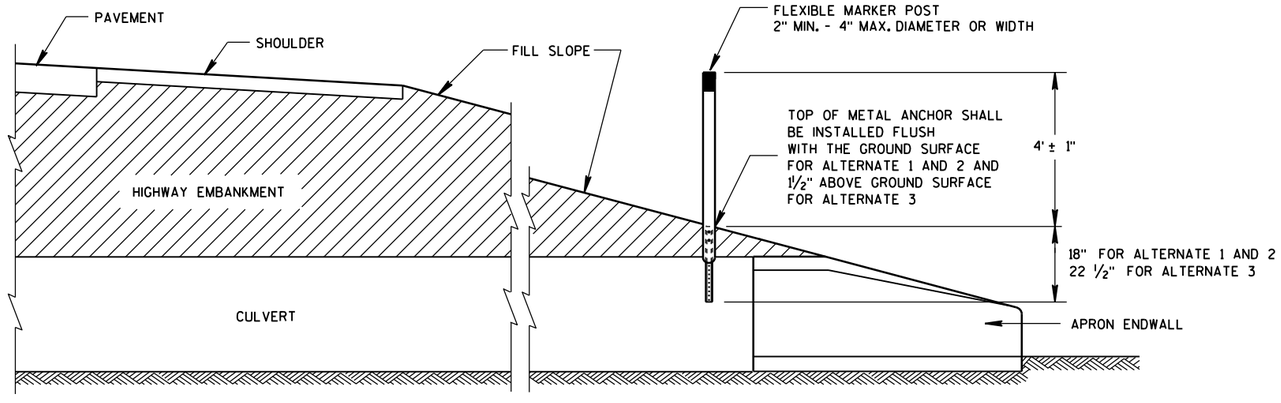
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

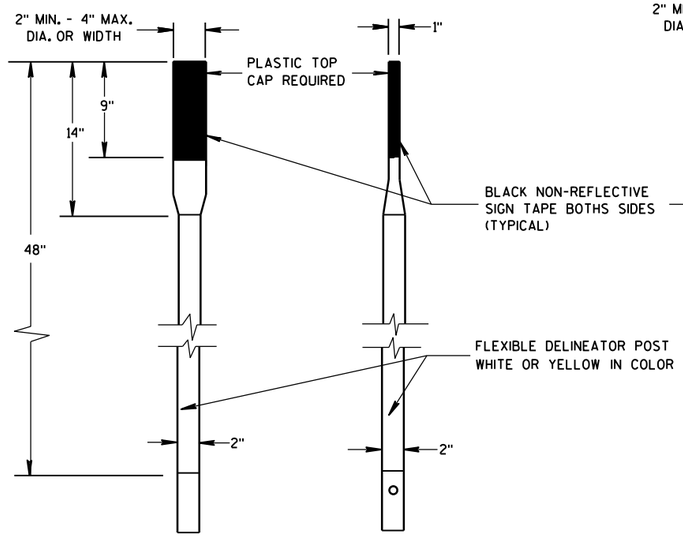
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

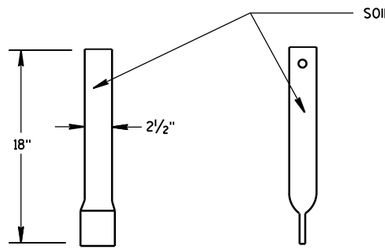
6

S.D.D. 15 A 3-2a

6

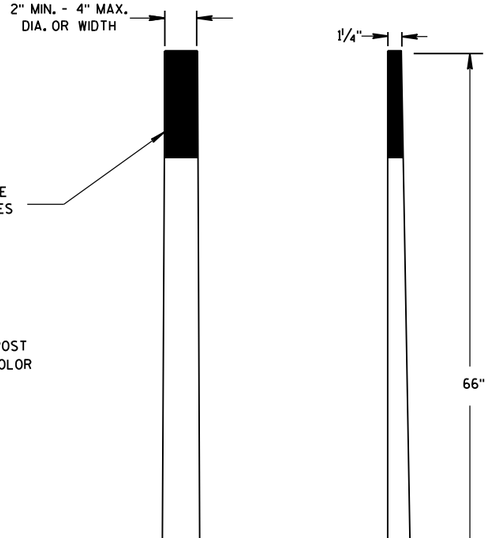
S.D.D. 15 A 3-2a





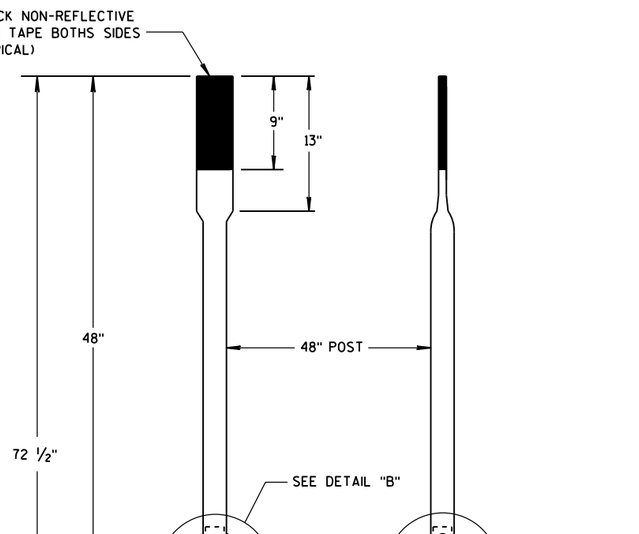
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

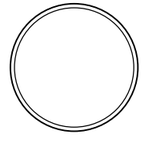
ALTERNATE 2



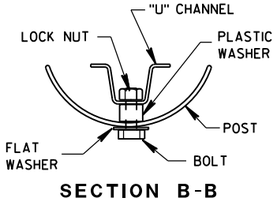
FRONT VIEW SIDE VIEW

ALTERNATE 3

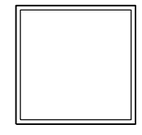
FLEXIBLE MARKER POSTS



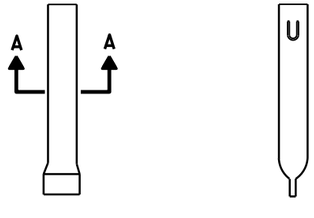
SECTION A-A



SECTION B-B

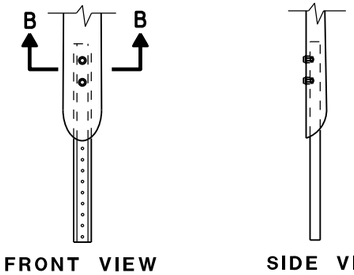


SECTION C-C



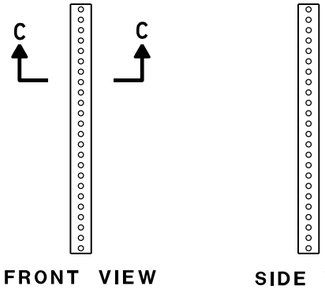
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

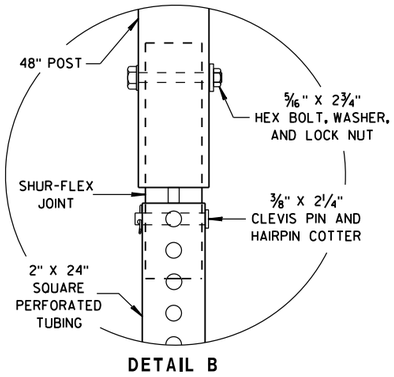
ALTERNATE 2



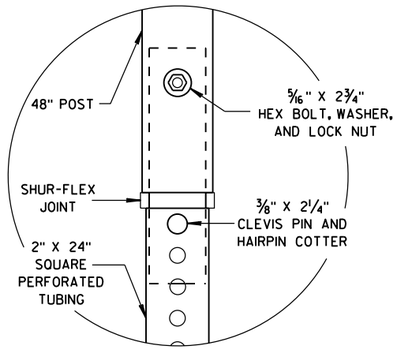
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

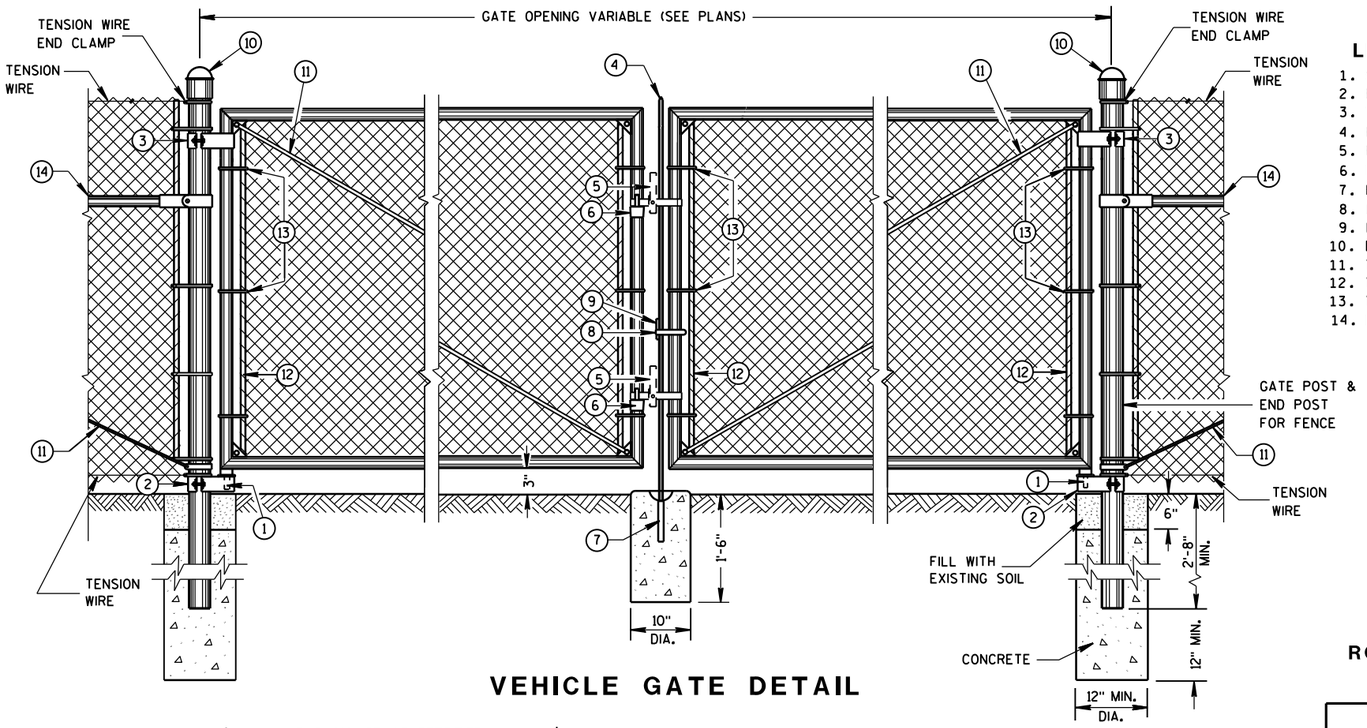
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

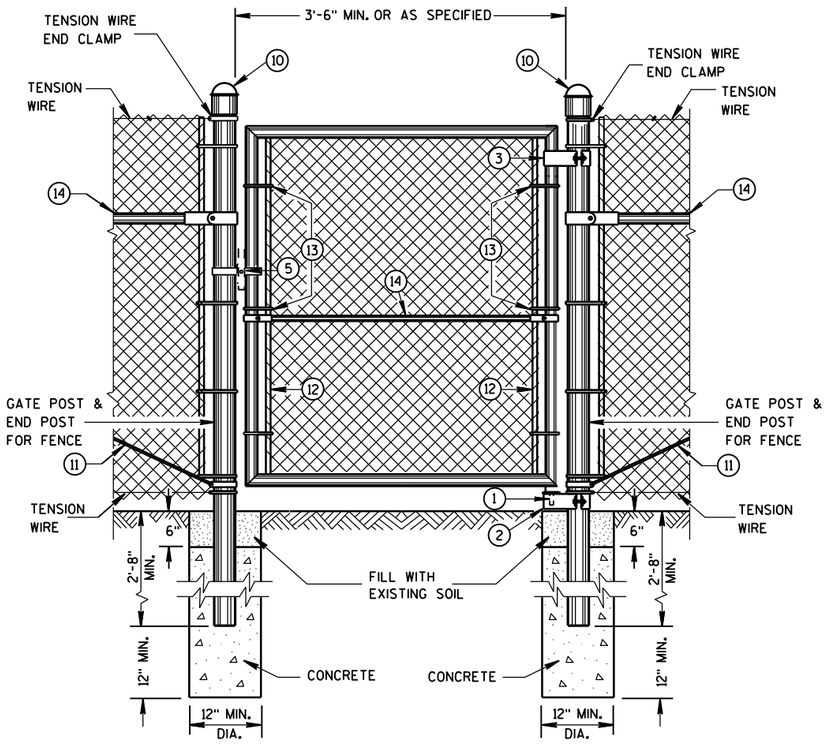
S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

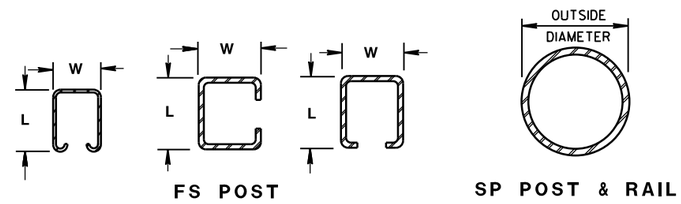
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



CROSS SECTIONS OF POSTS AND RAILS

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

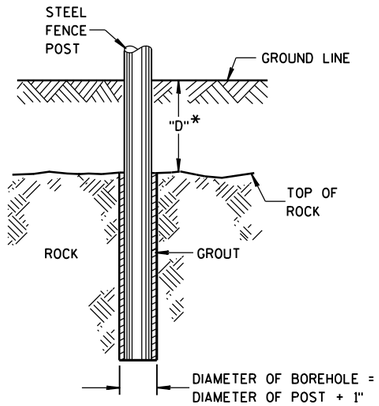
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

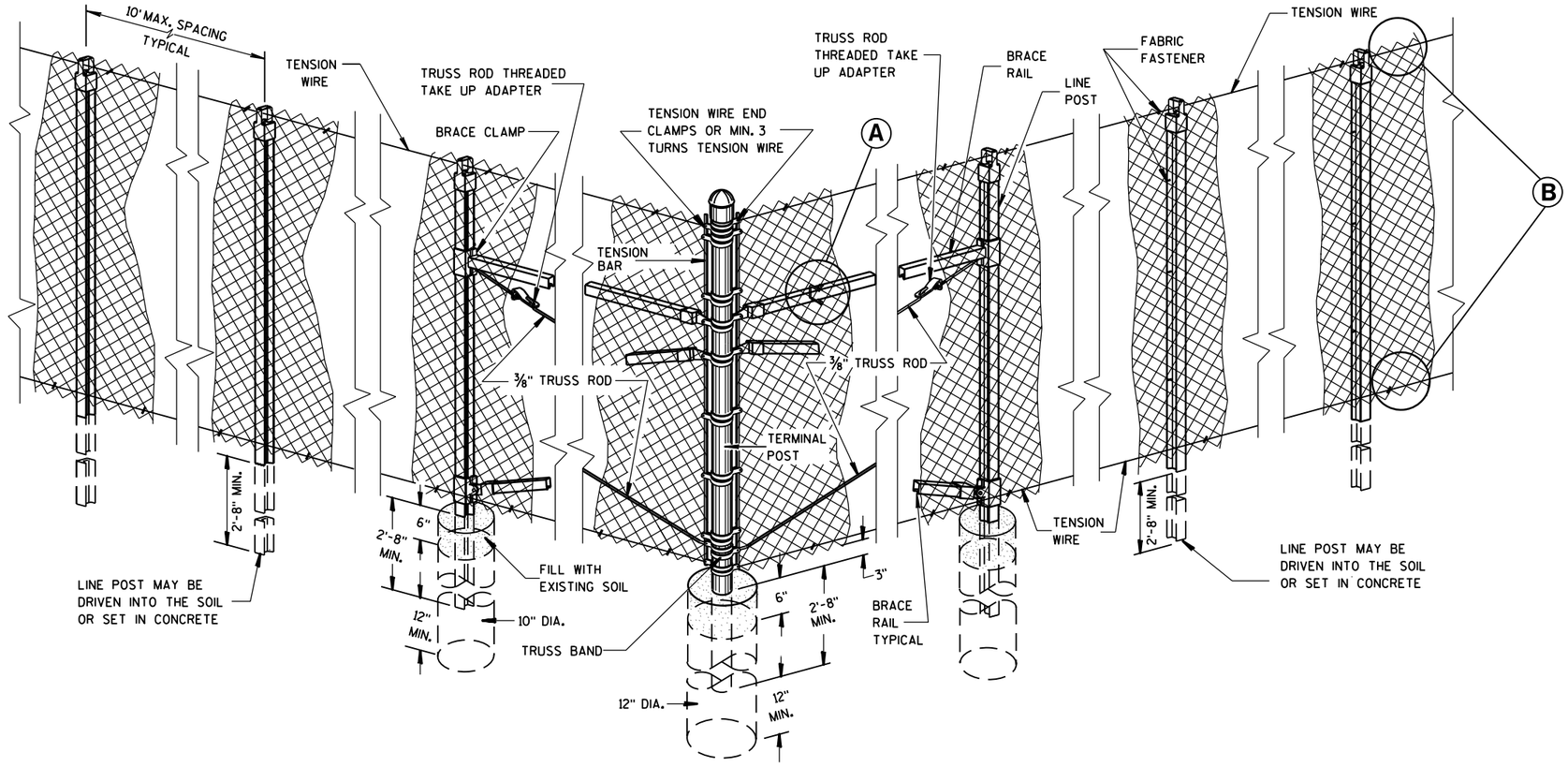
6

S.D.D. 15 B 3-15a

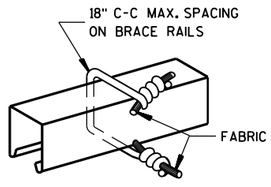


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



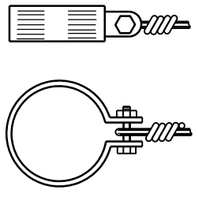
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



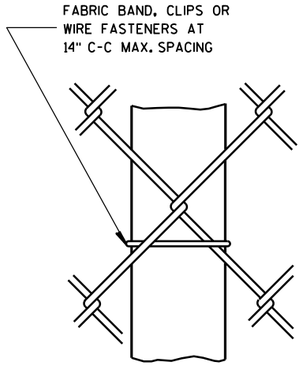
BRACE RAIL

FABRIC FASTENER

Ⓐ



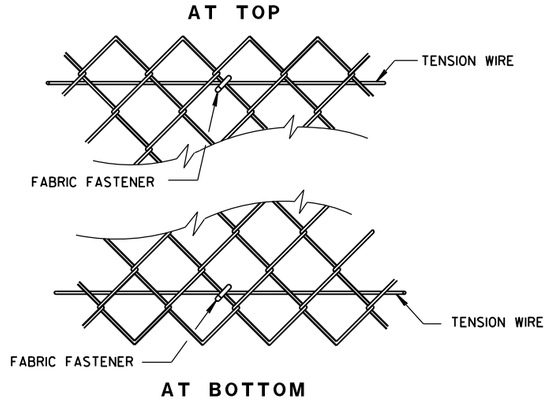
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

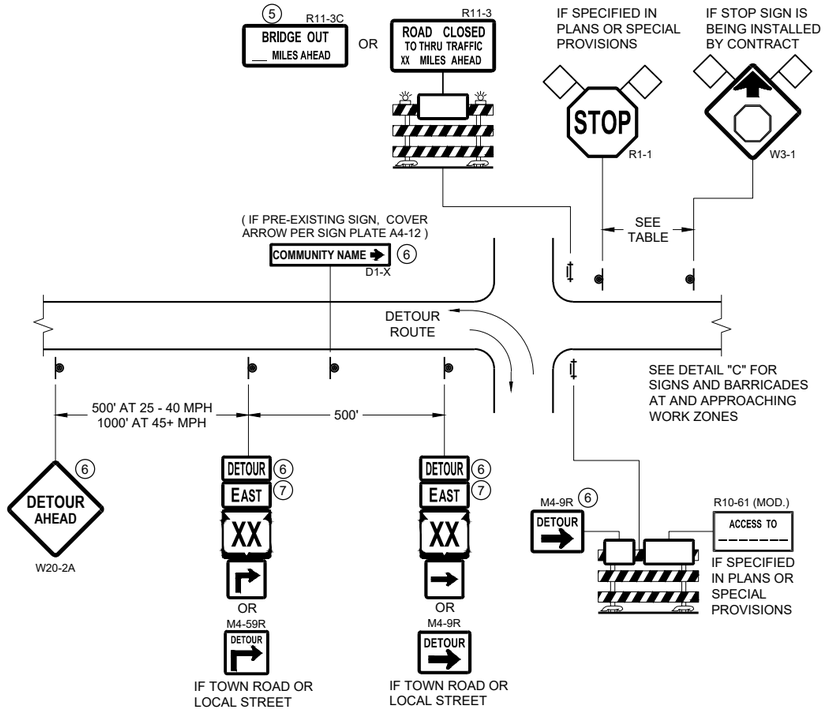
APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 15 B 3-15b

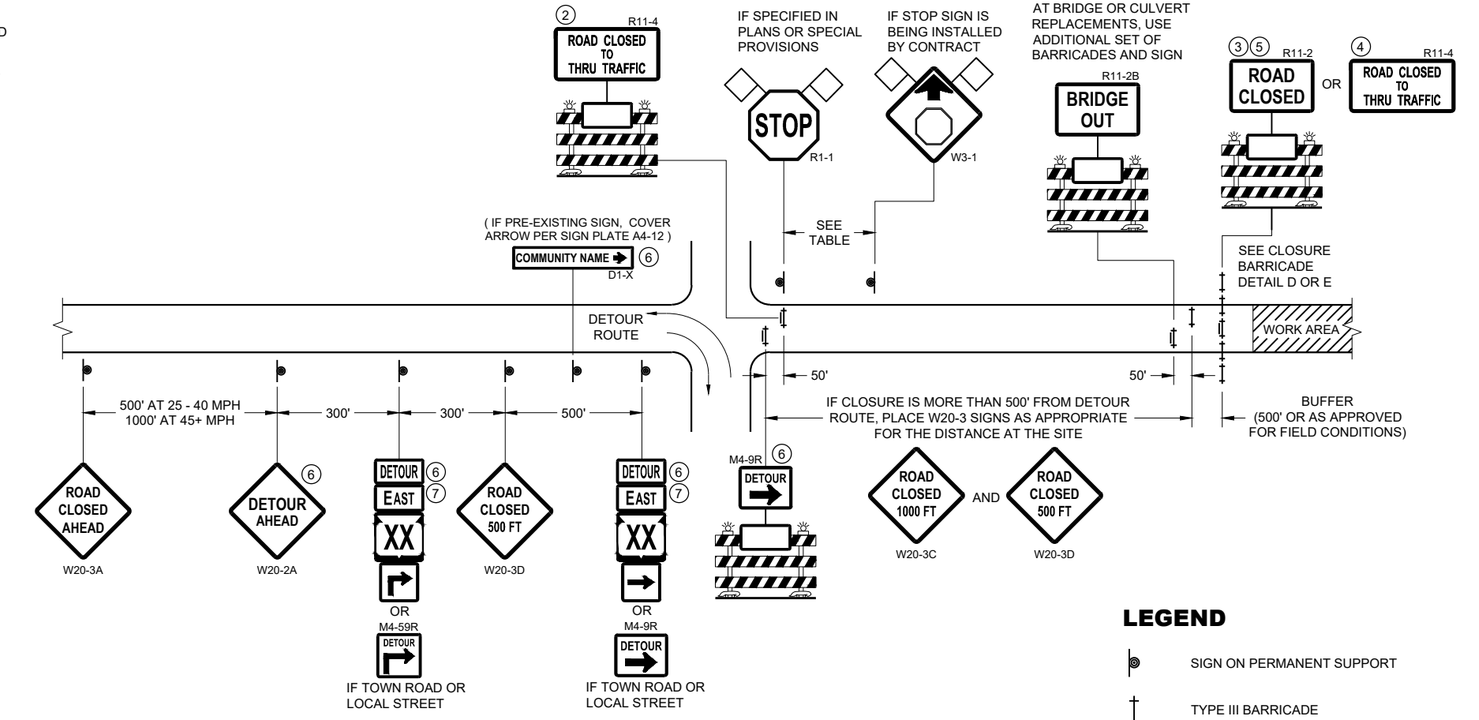
6

S.D.D. 15 B 3-15b



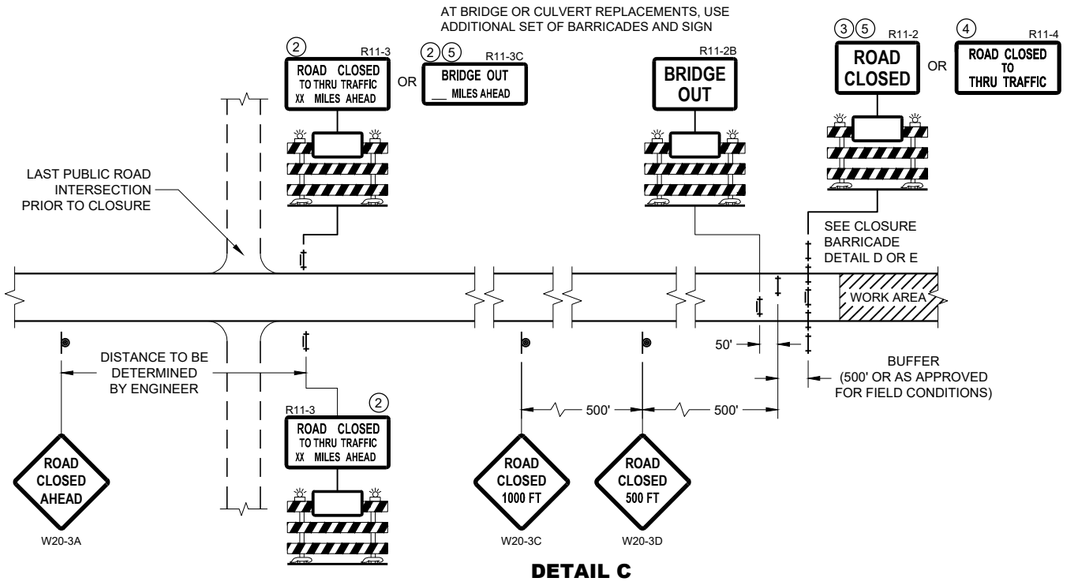
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

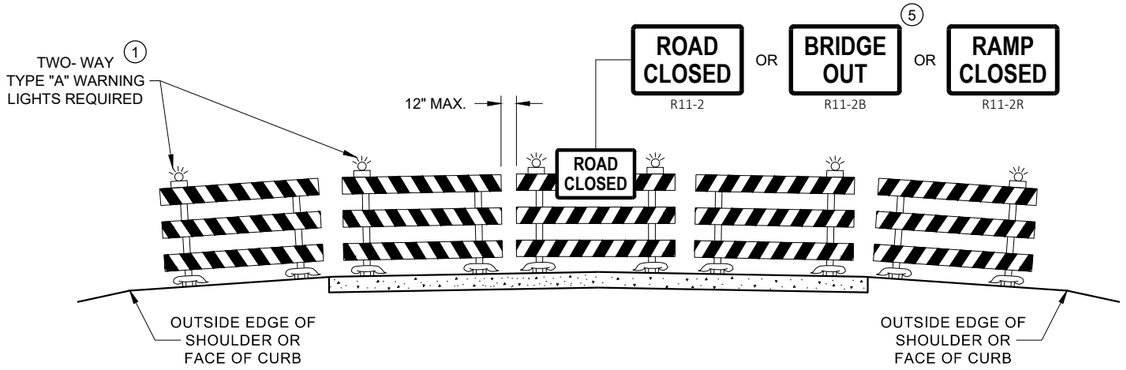
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

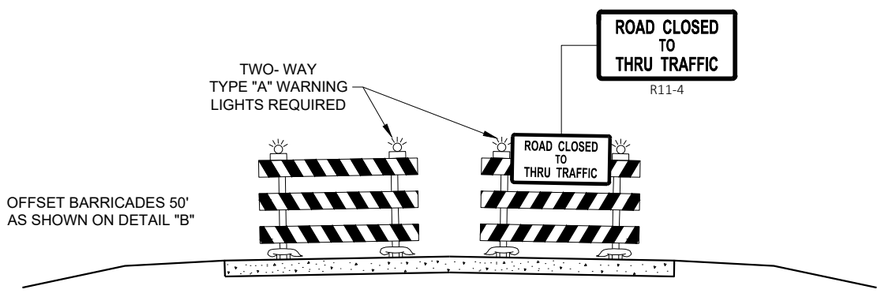
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

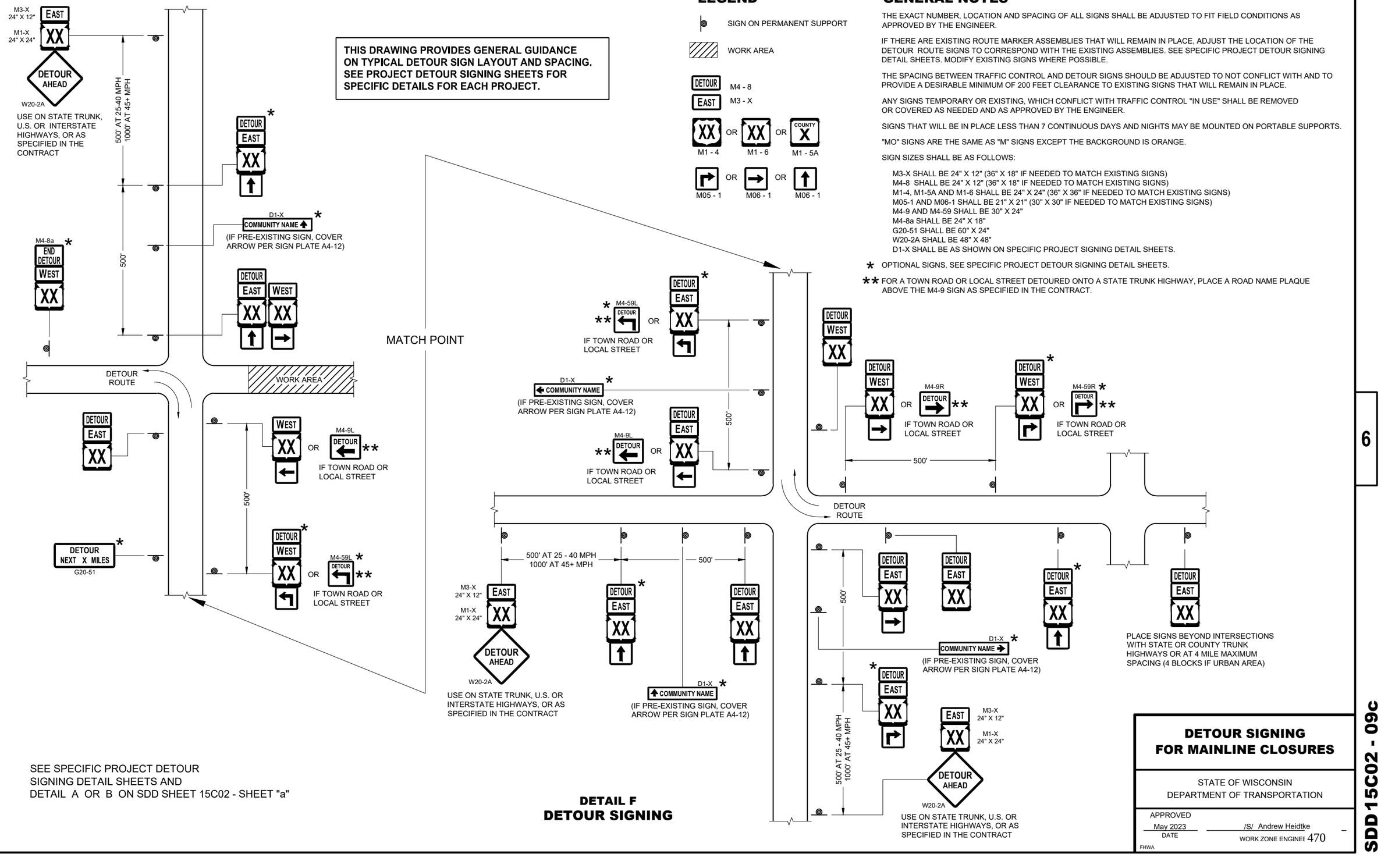
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

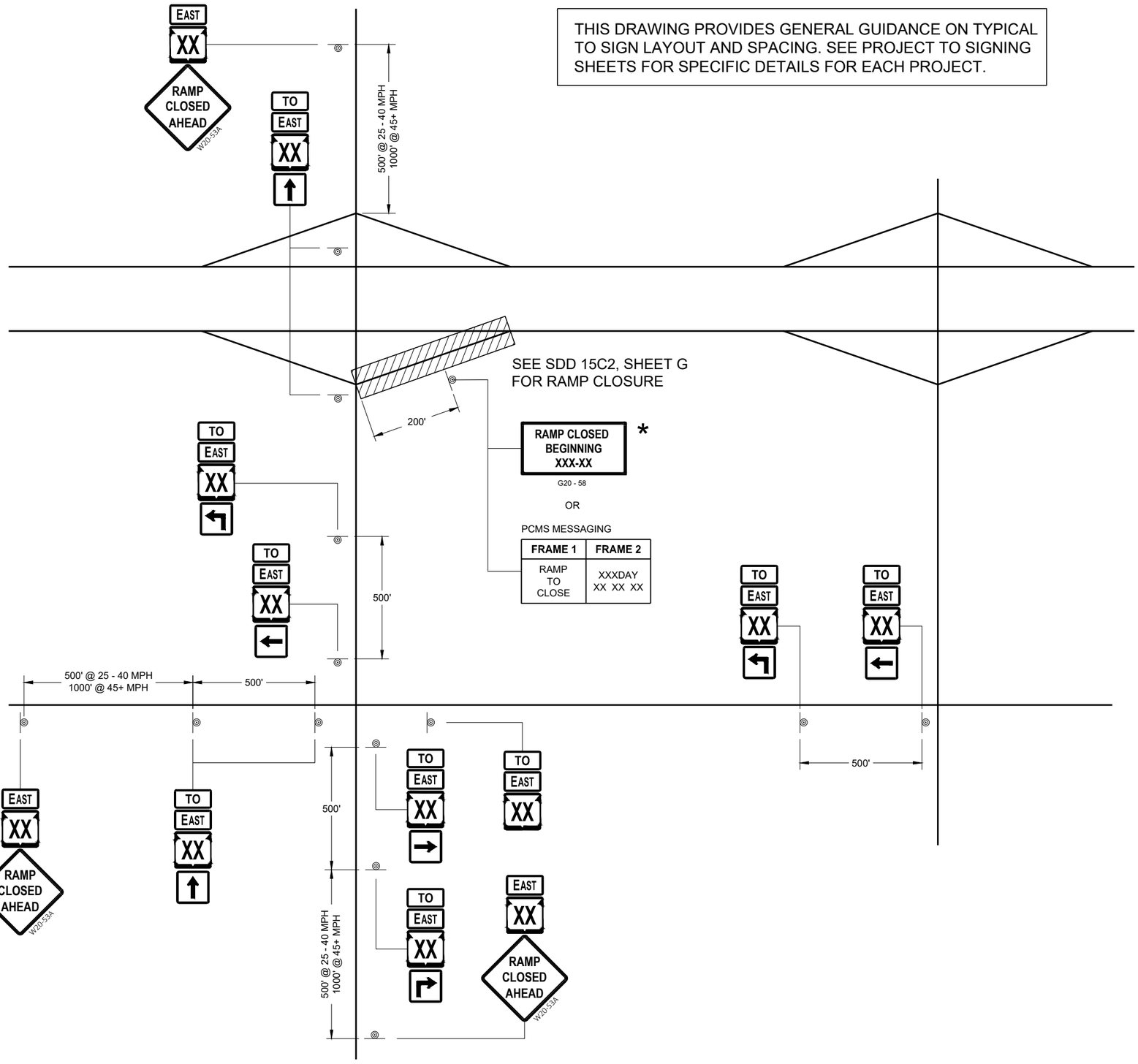
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C02 - 09c



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.

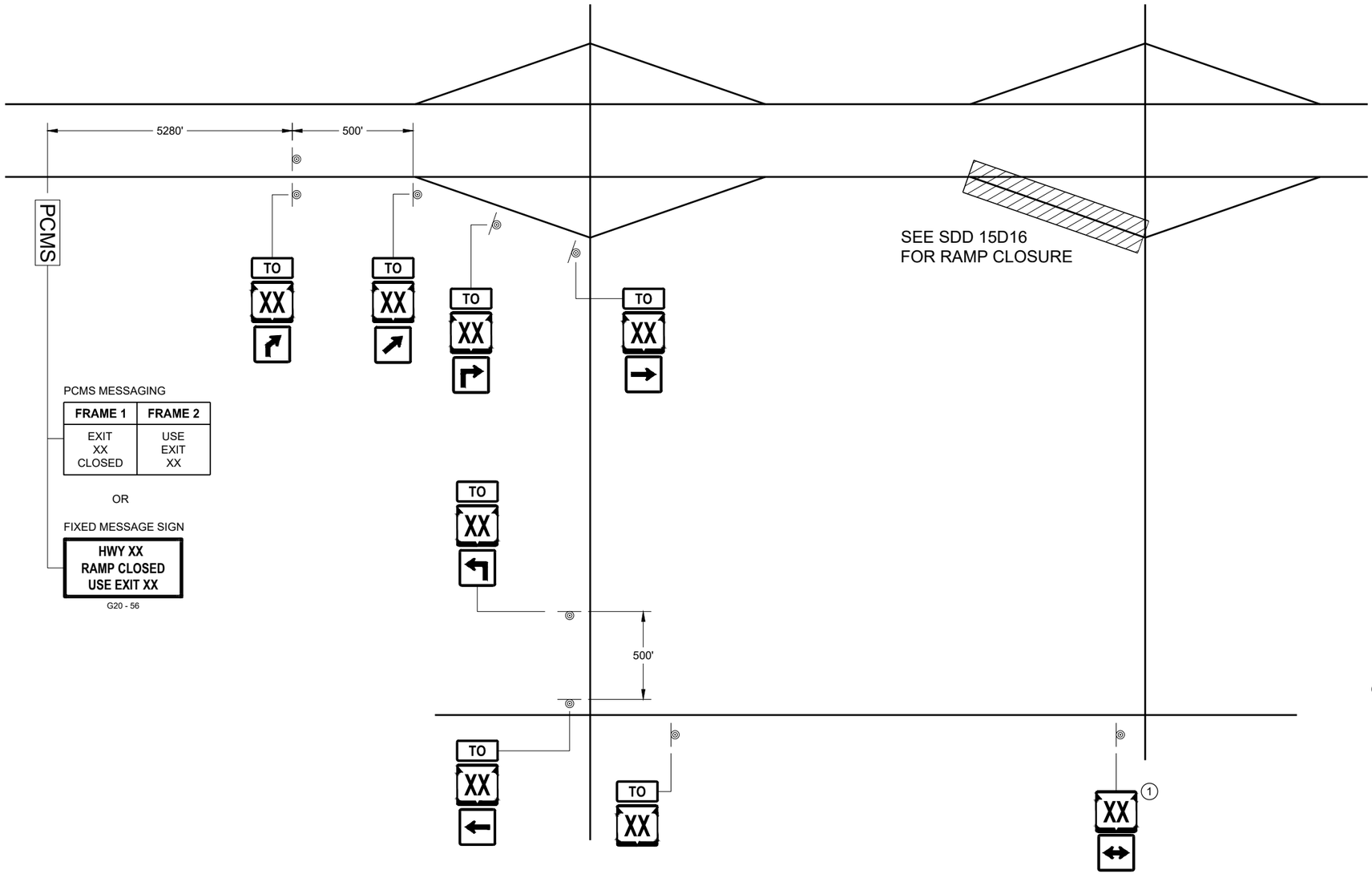
ON RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA

6
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

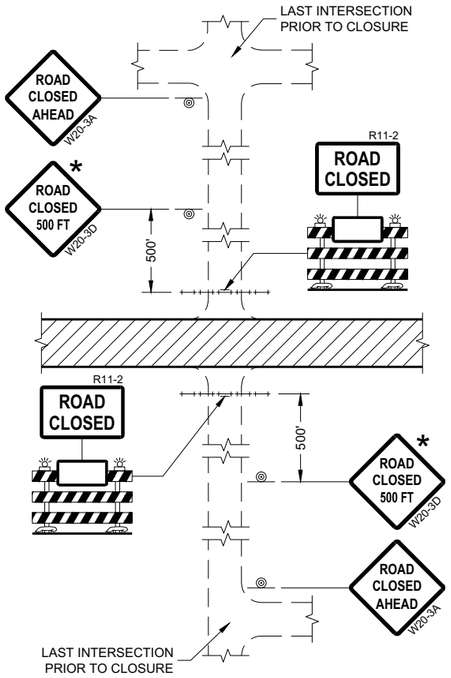
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

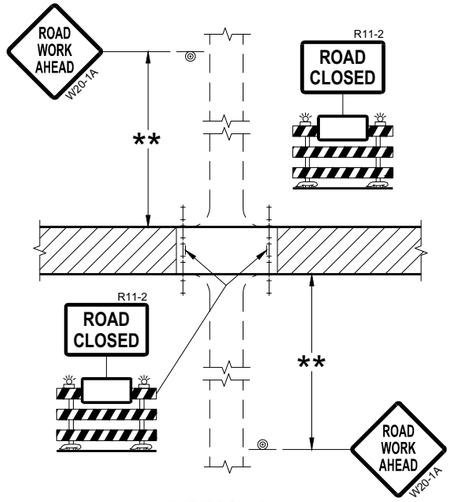
SDD 15C02 - 09e

6

SDD 15C02 - 09e



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

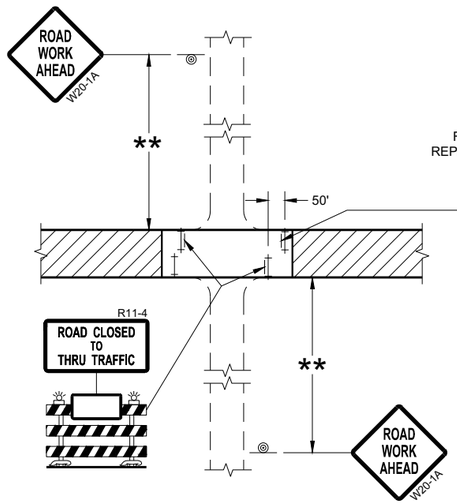
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

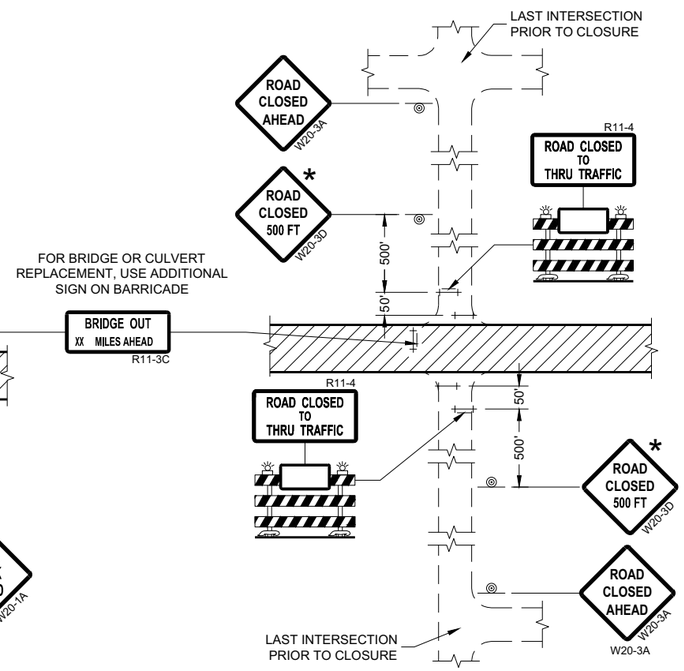
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

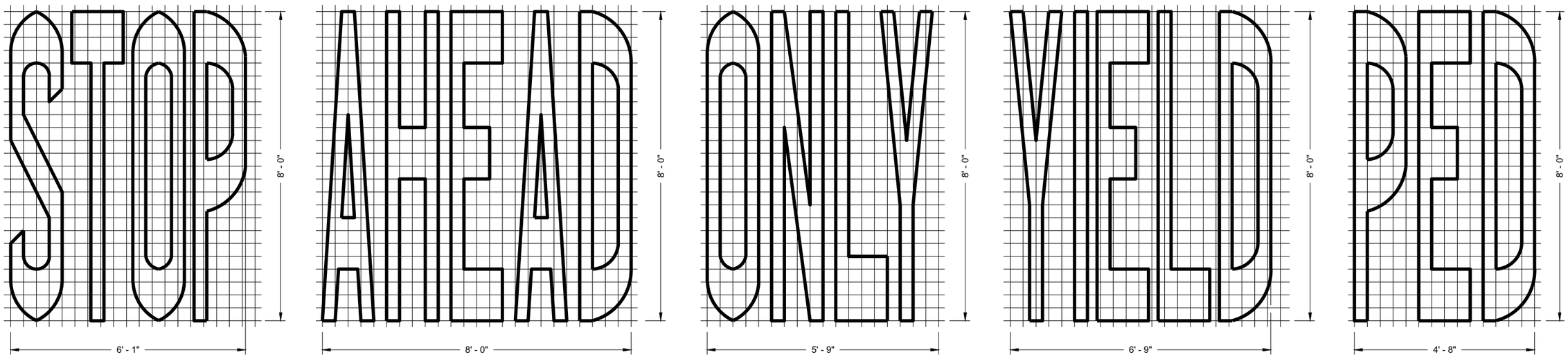
/S/ Andrew Heidtke
WORK ZONE ENGINEE

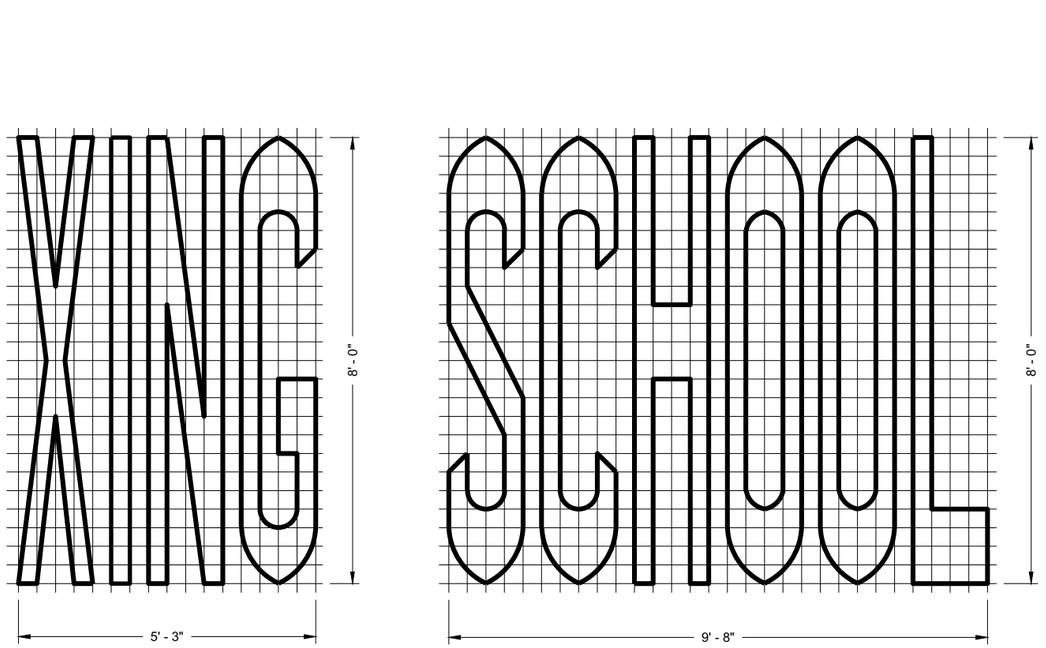
FHWA

6

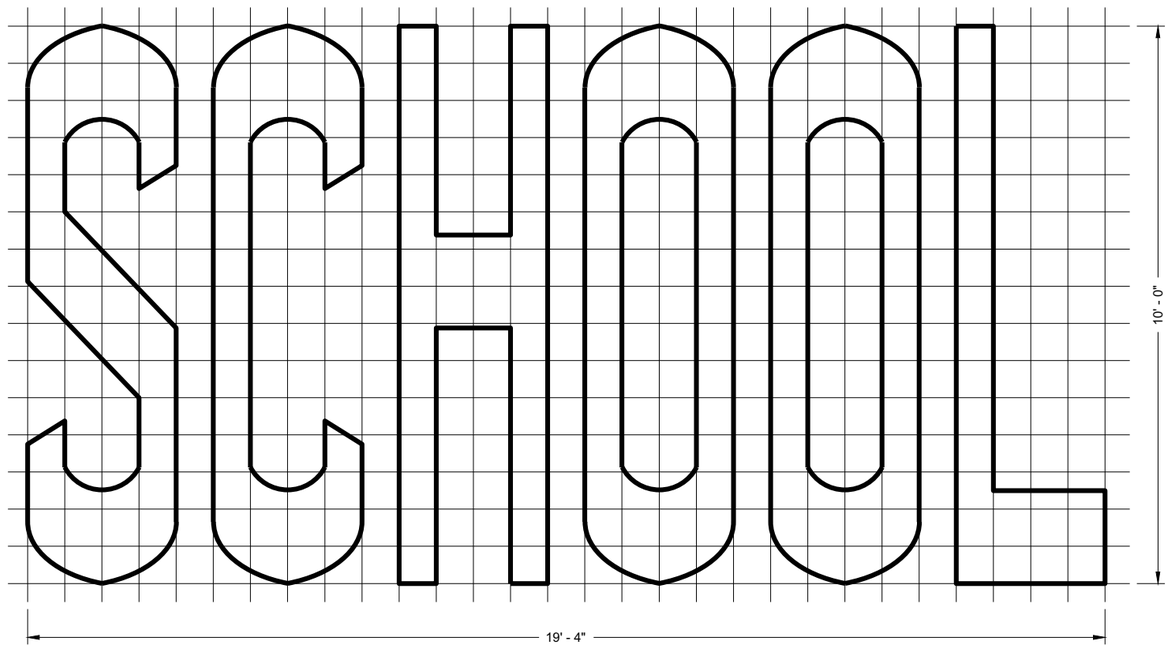
SDD 15C03 - 05

SDD 15C03 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

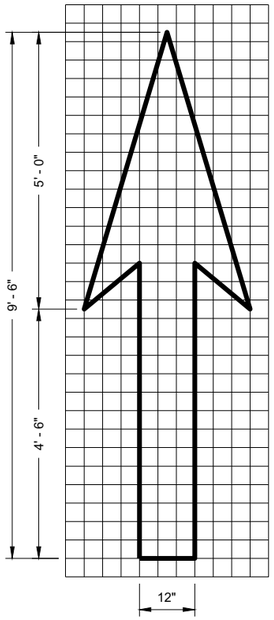
6

SDD 15C07 - 15b

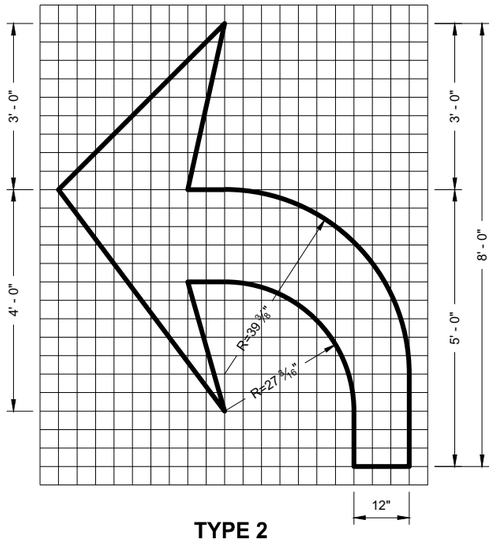
SDD 15C07 - 15b

GENERAL NOTES

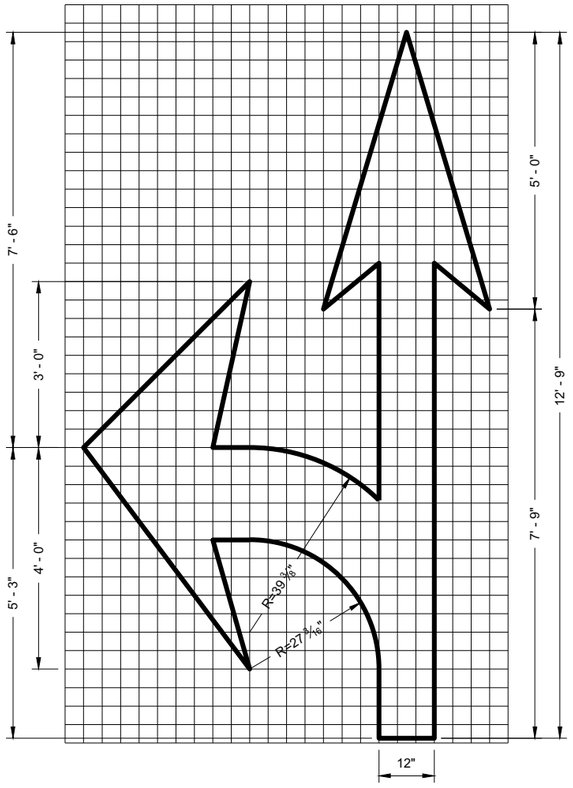
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



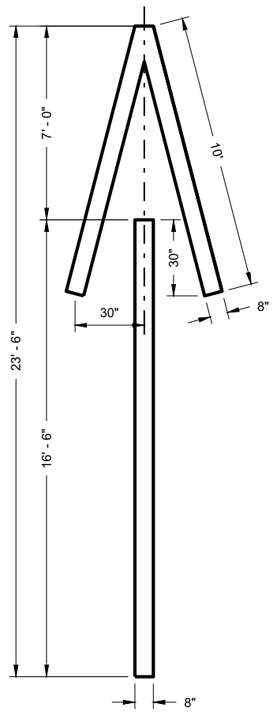
TYPE 1



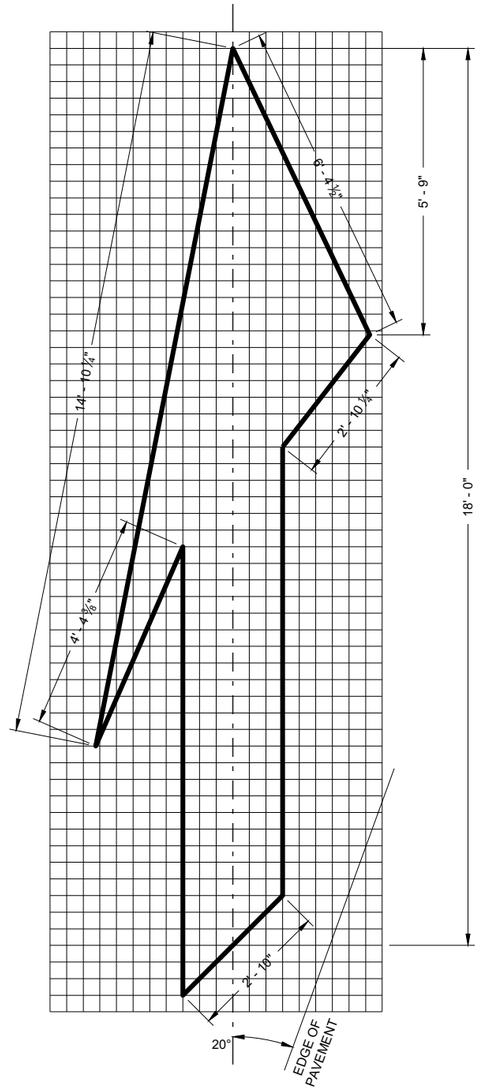
TYPE 2



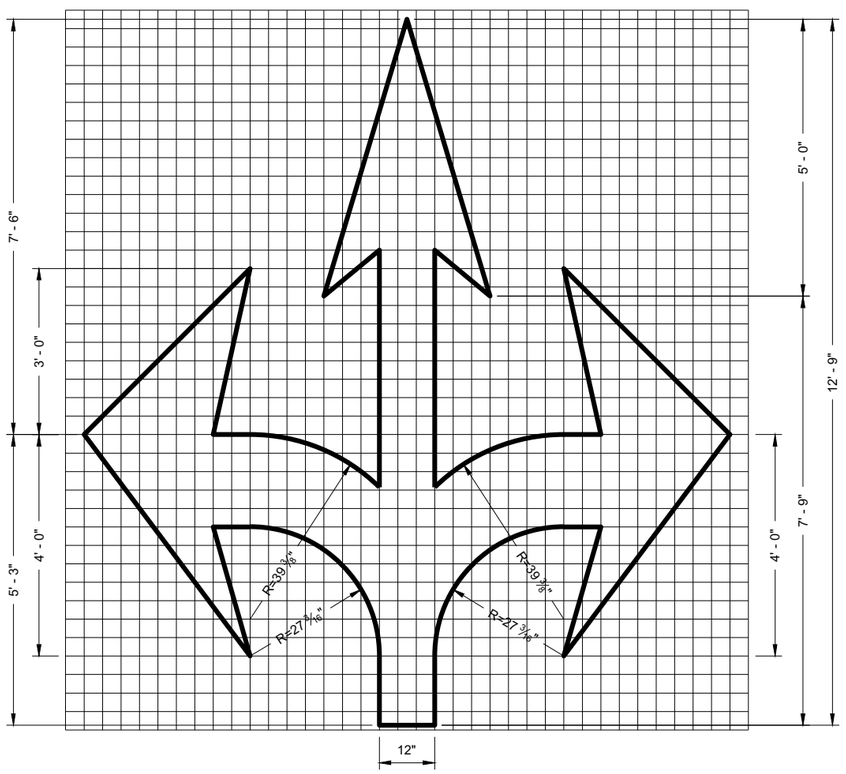
TYPE 3



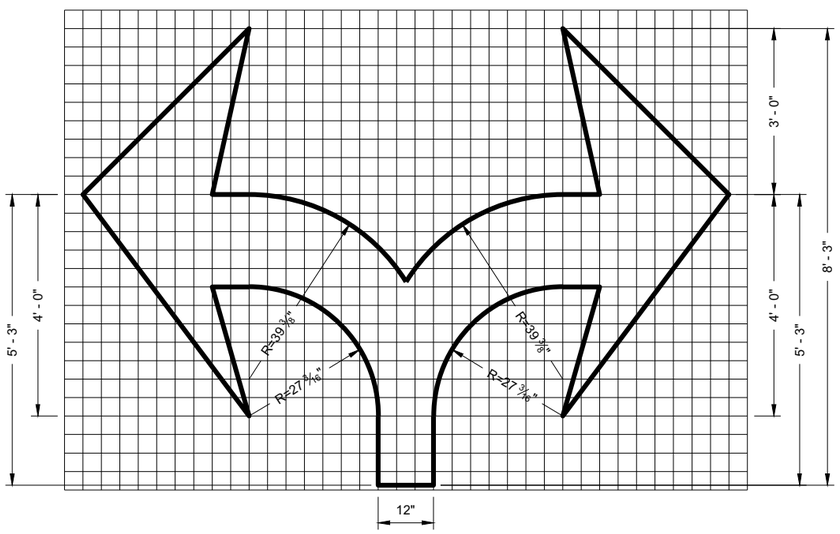
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

475

6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

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

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

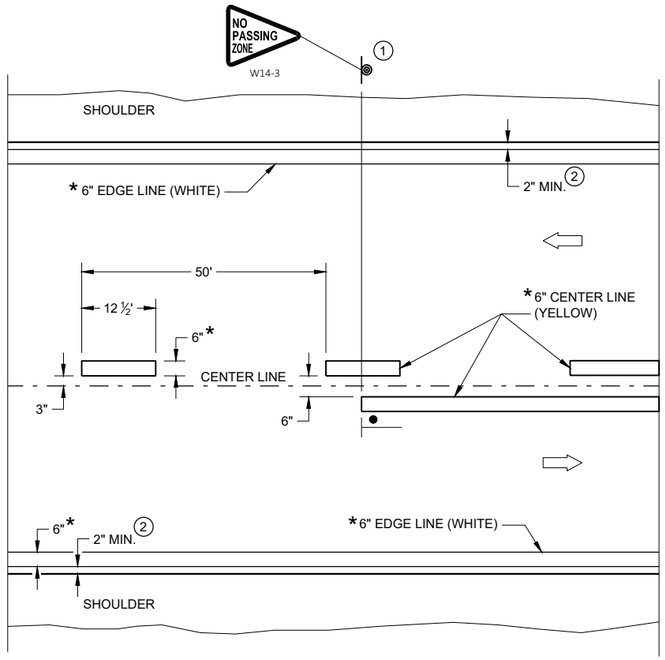
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

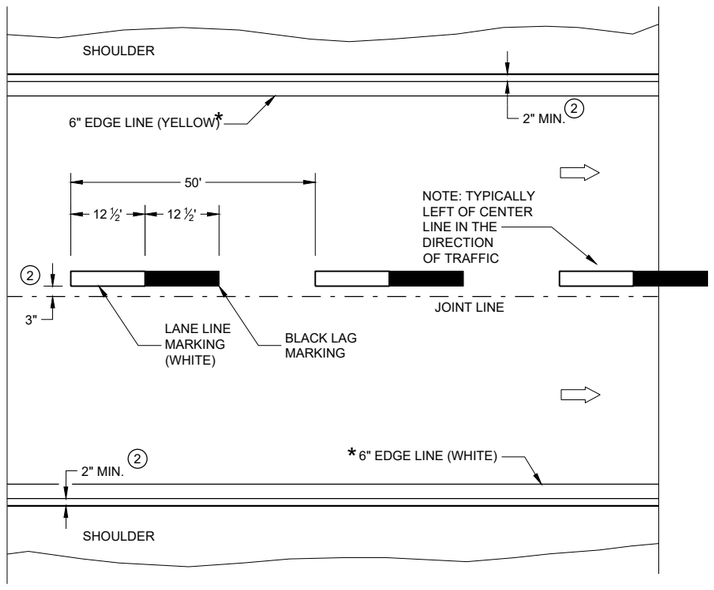
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

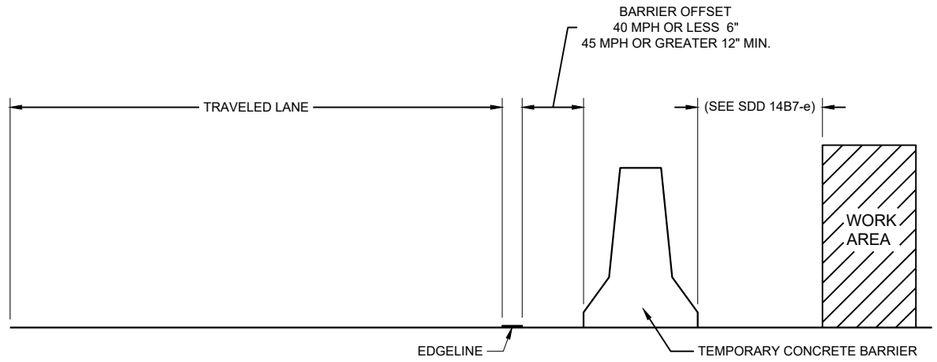
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

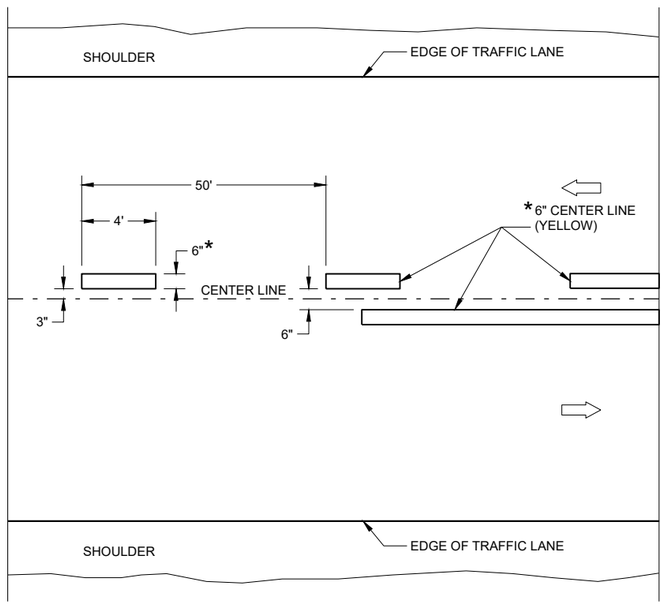
GENERAL NOTES

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

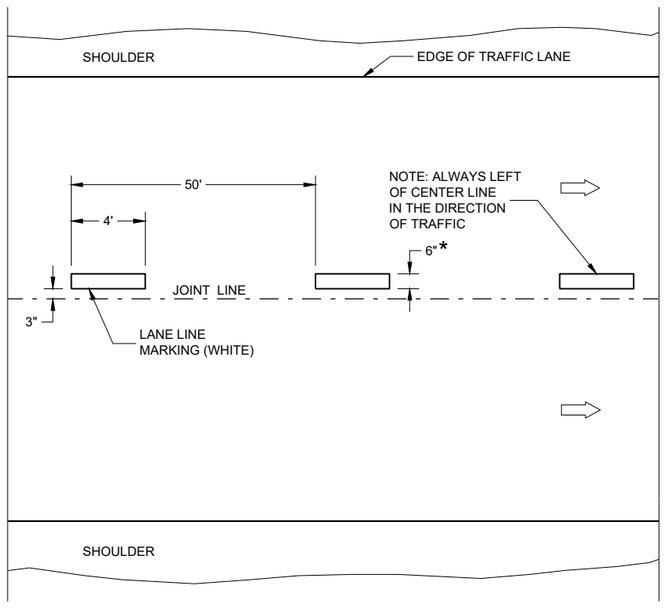
LEGEND

⇨ DIRECTION OF TRAFFIC

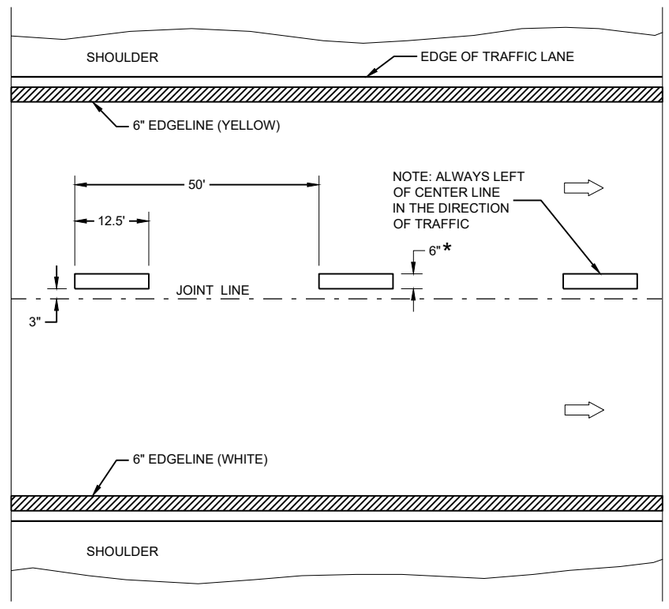
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

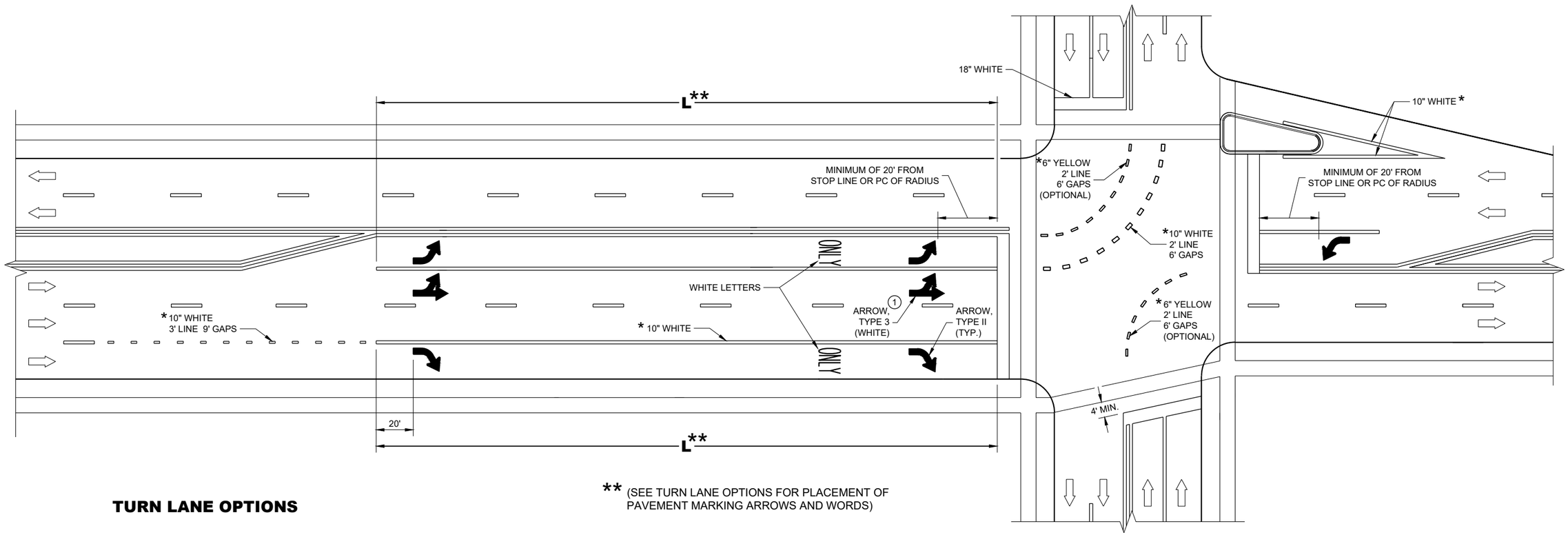
FHWA

6

SDD 15C08-23b

6

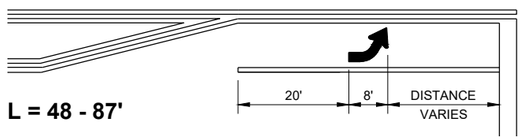
SDD 15C08-23b



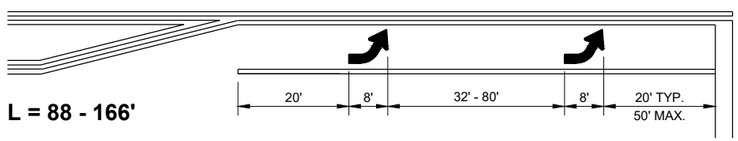
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

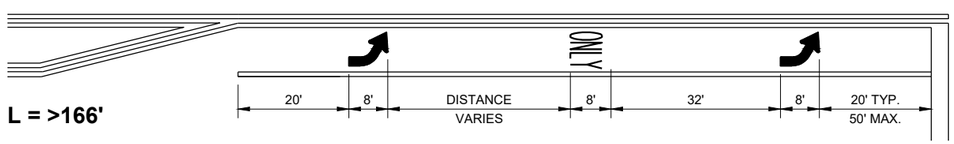
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

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

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

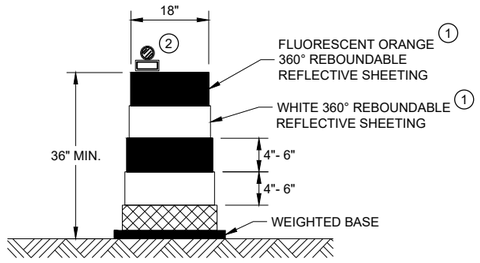
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

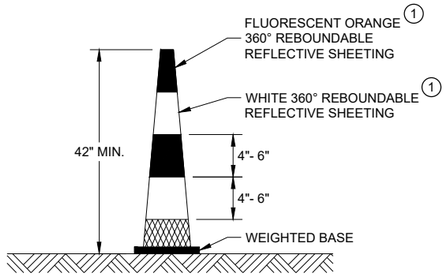
GENERAL NOTES

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



DRUM

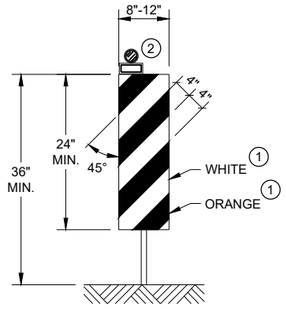
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

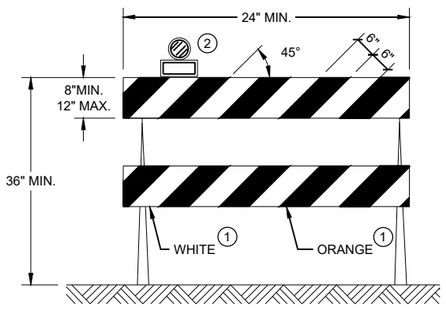
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



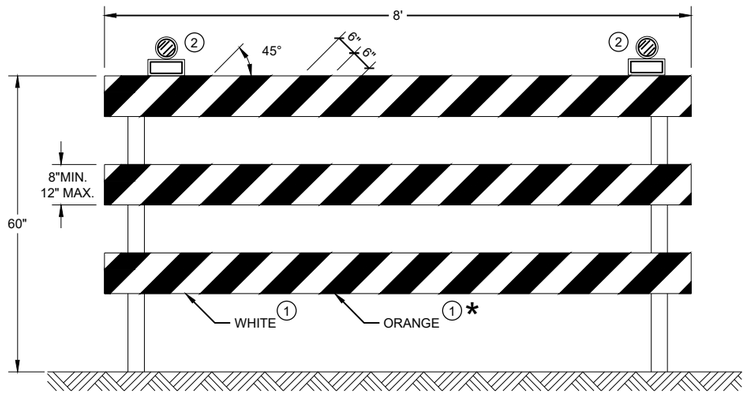
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

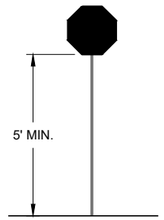
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

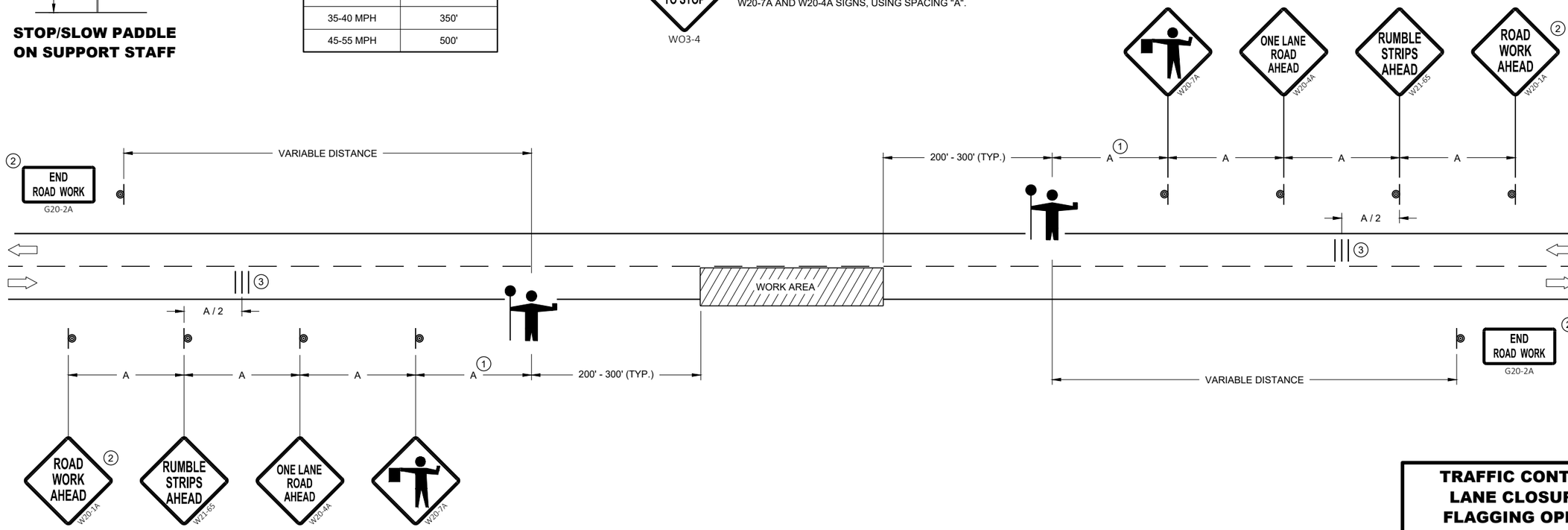
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

480

FHWA

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL CONE 42-INCH
- TRAFFIC CONTROL DRUM
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

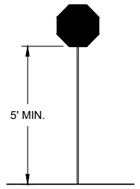
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

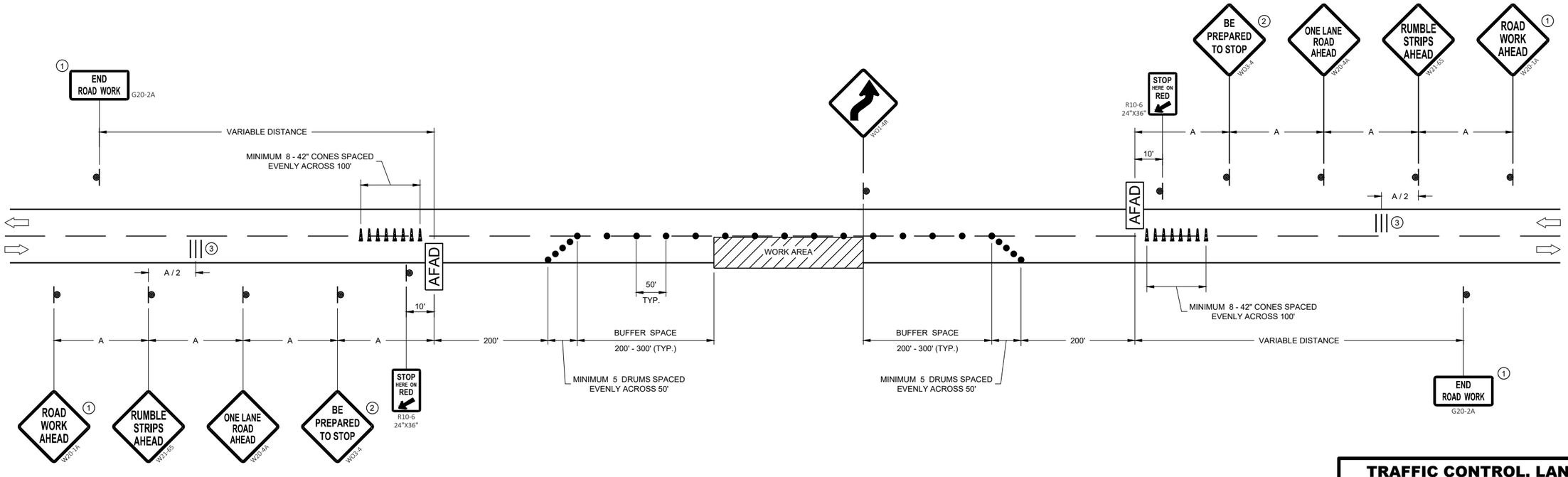
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



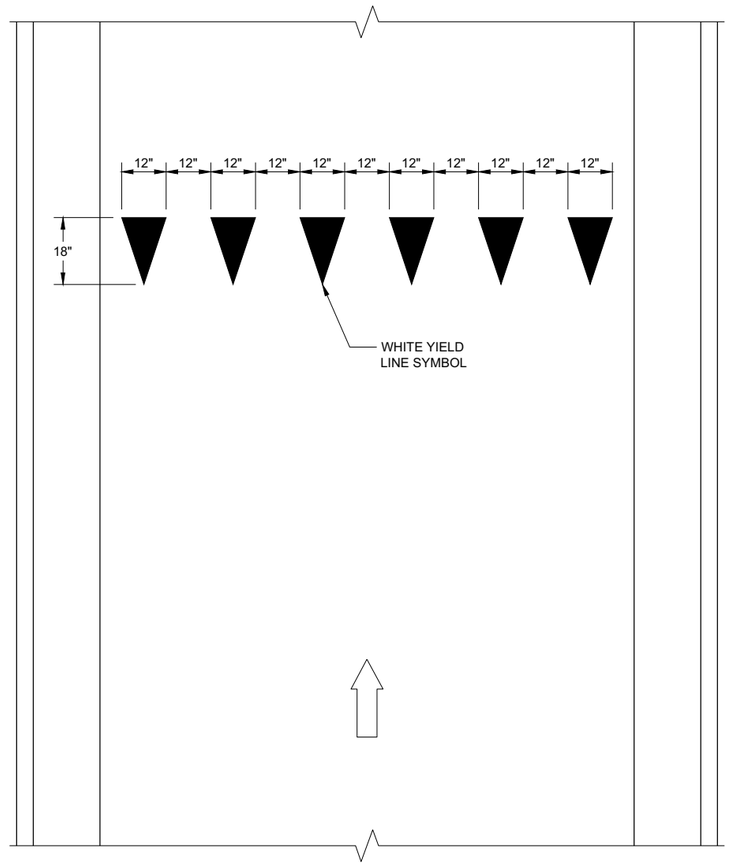
TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15C12 - 09b

6
SDD 15C12 - 09b

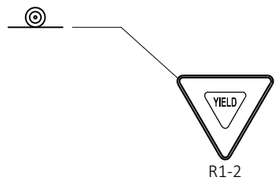


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C20 - 02

SDD 15C20 - 02

GENERAL NOTES

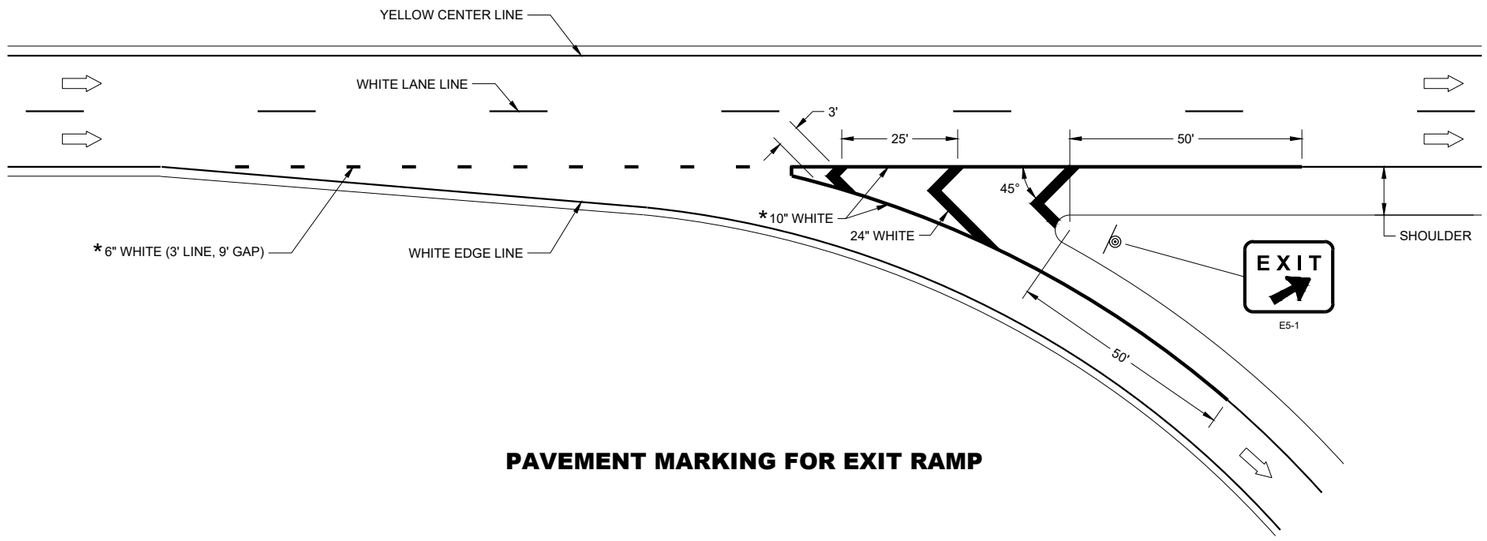
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

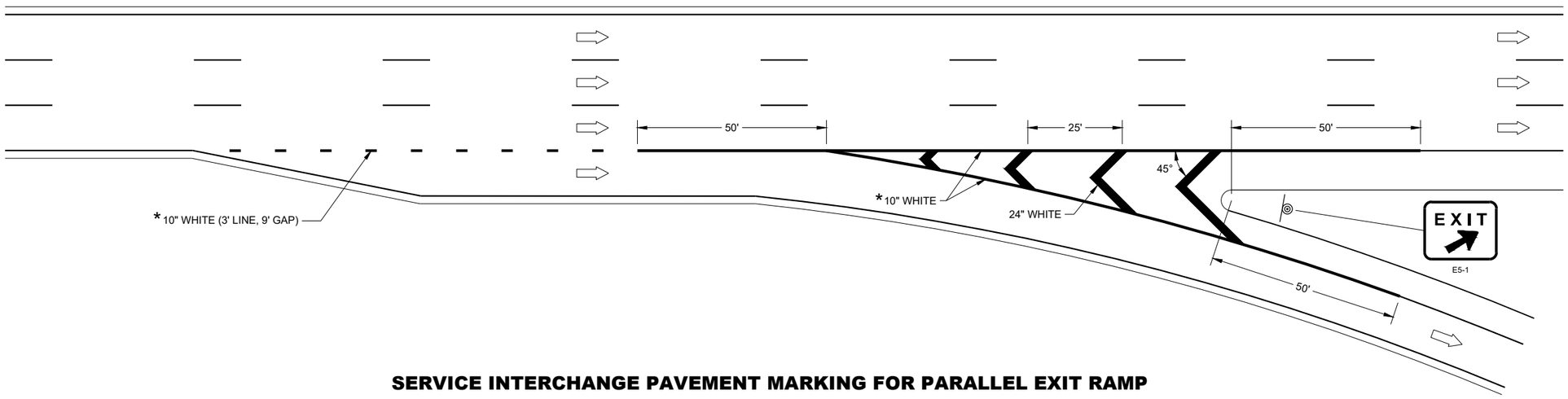
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

PAVEMENT MARKING, EXIT RAMP AND PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15C31-05a

GENERAL NOTES

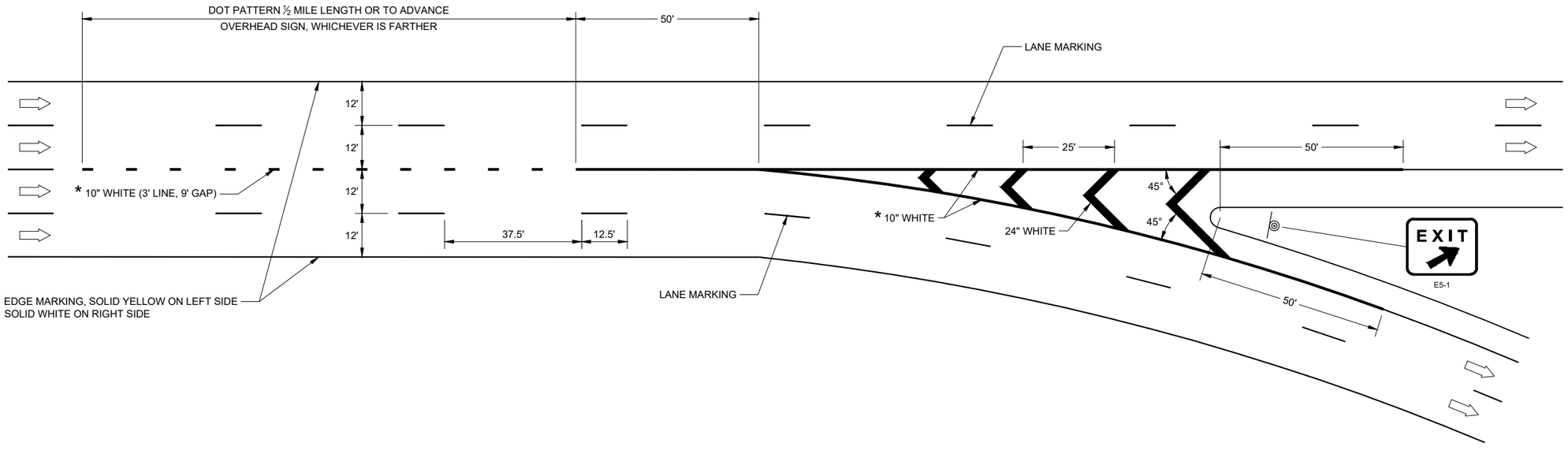
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



6

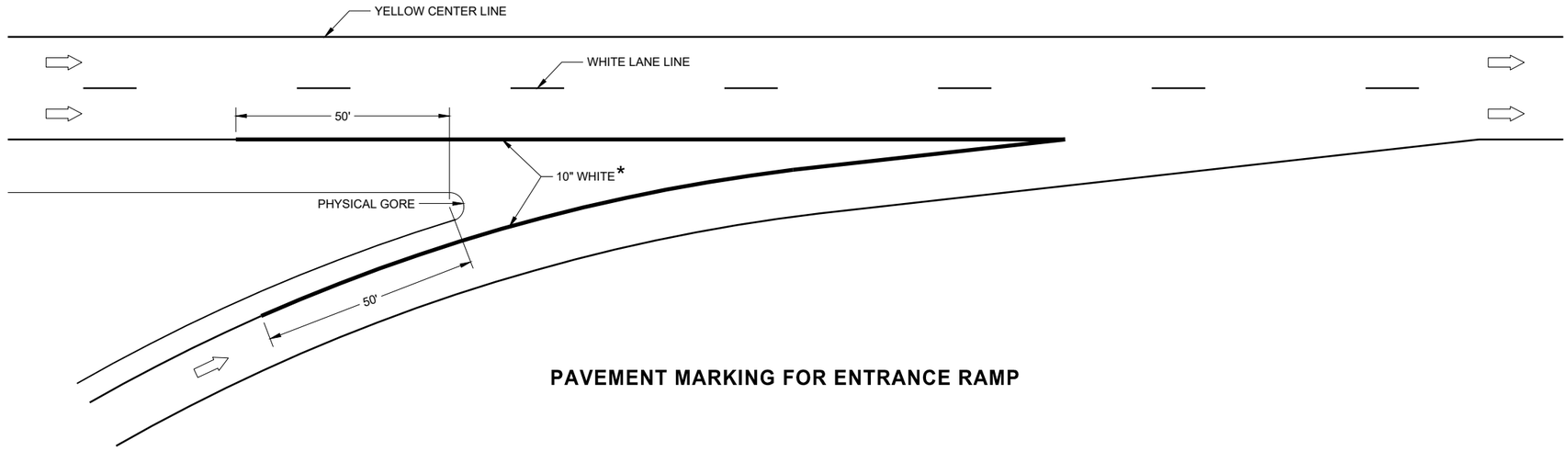
SDD 15C31-05b

PAVEMENT MARKING, MAJOR SPLIT FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C31-05b



PAVEMENT MARKING FOR ENTRANCE RAMP

GENERAL NOTES

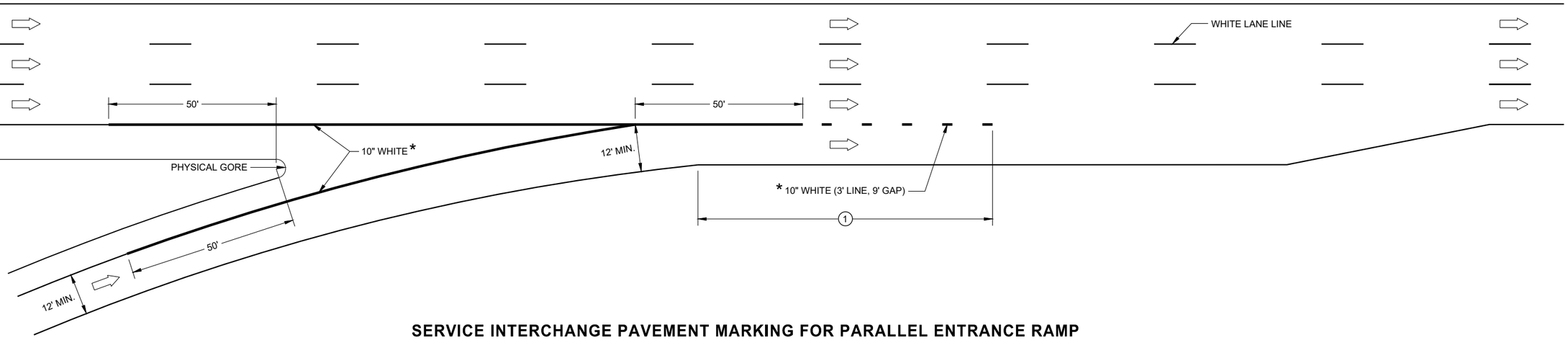
PLACE GROOVE 3 INCHES LEFT OF JOINT.

(1) ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

LEGEND

DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C31-05c

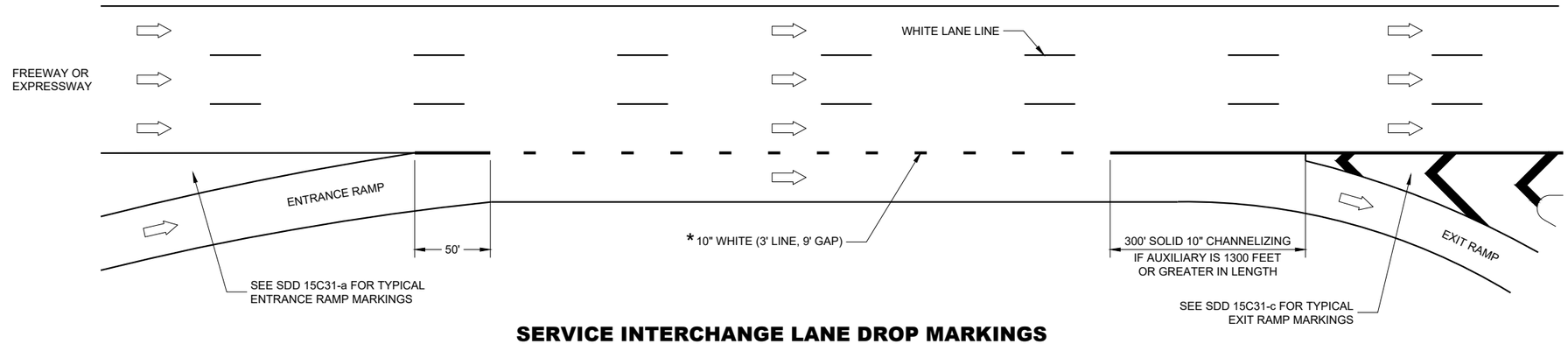
LEGEND

DIRECTION OF TRAVEL

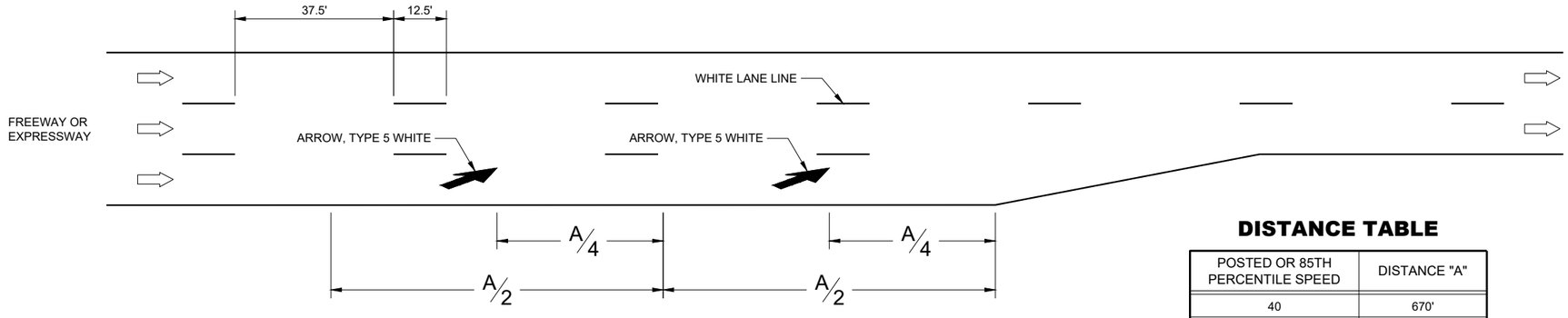
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.



SERVICE INTERCHANGE LANE DROP MARKINGS



LANE REDUCTION MARKINGS

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670'
45	775'
50	885'
55	990'
60	1100'
65	1200'
70	1250'

PAVEMENT MARKING, LANE DROP AND LANE REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE MARKING AND SIG ENGINEER

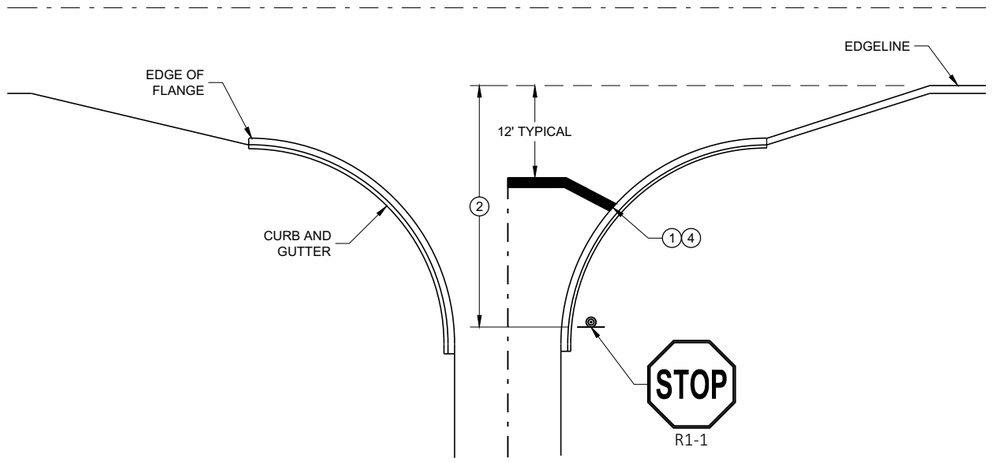
FHWA

6
SDD 15C31-05d

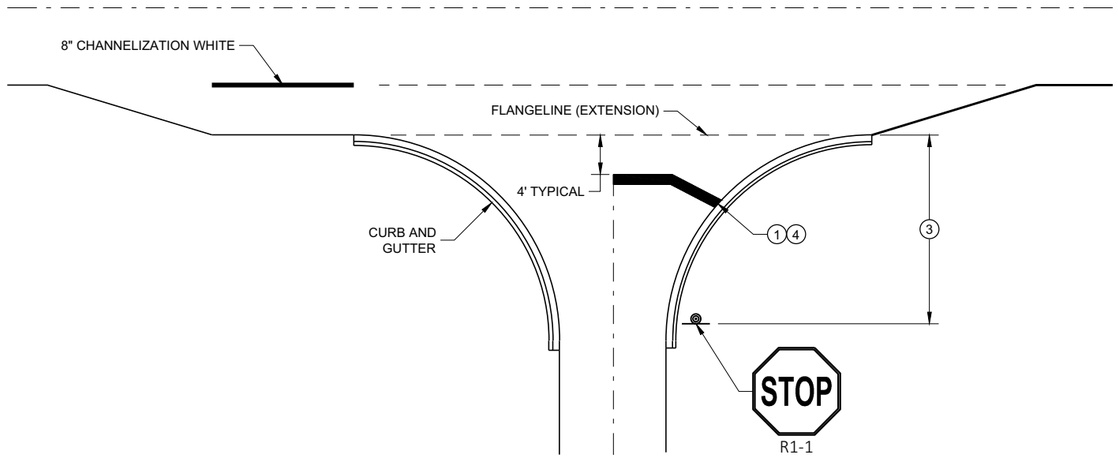
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

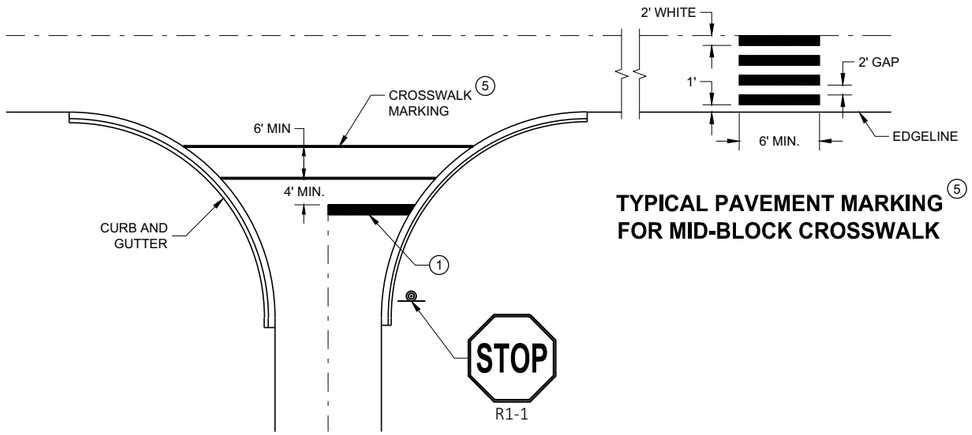
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

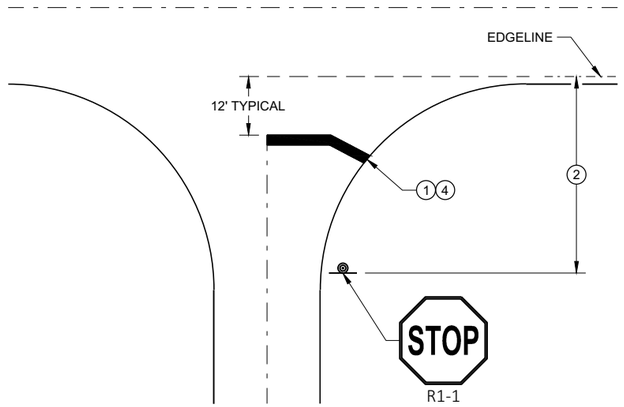


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04

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" SIGNS ARE THE SAME AS "W" SIGNS 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

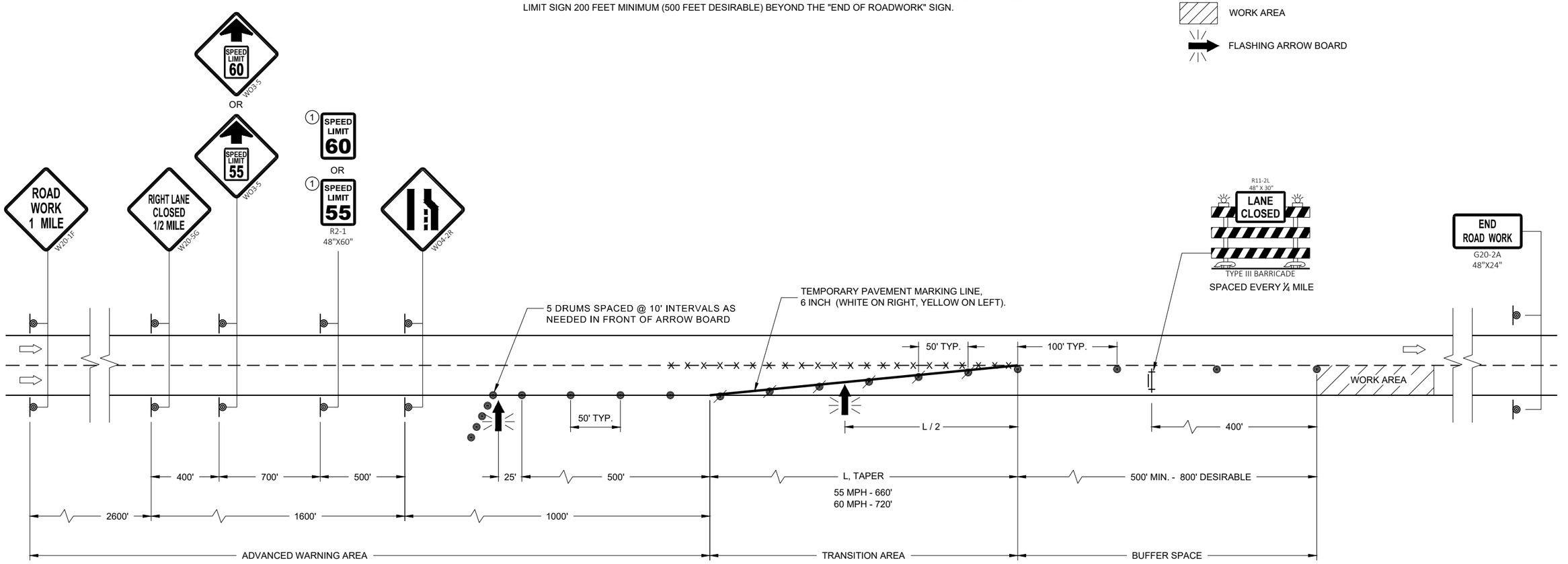
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE 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.

(1) A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

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, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 11b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- (S) — PORTABLE TRAFFIC SENSOR (PTS)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, INCLUDING FBS 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" SIGNS ARE THE SAME AS "W" SIGNS 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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED SIGNS.

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.

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

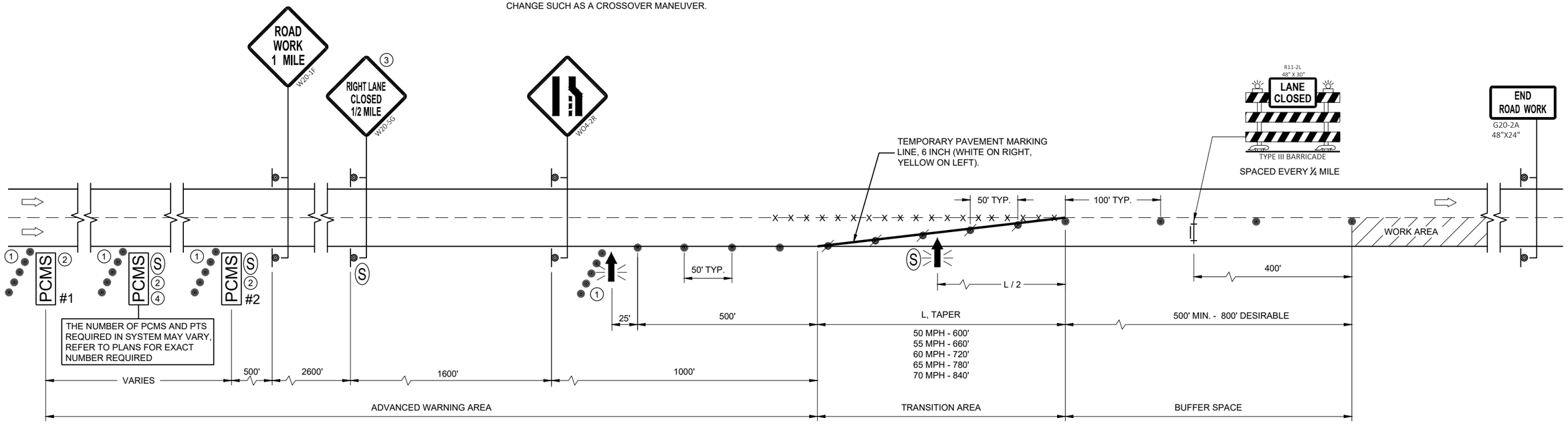
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE 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.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON PCMS, ARROW BOARD OR OTHER TRAILER DEVICES.

1. 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.
2. IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE PCMS ON BOTH SIDES OF THE ROADWAY.
3. IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.
4. PLACE PCMS EVERY ONE MILE BETWEEN PCMS #1 AND PCMS #2, OR AS THE ENGINEER DIRECTS. THE NUMBER OF PCMS MAY BE MORE THAN SHOWN ON THIS DETAIL.
5. PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE OR FLASHING ARROW MERGE MODE.



5 PCMS MESSAGING

SPEEDS 0 MPH TO 19 MPH		SPEEDS 20 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER
FRAME 1	FRAME 2	FRAME 1	FRAME 2	
STOPPED TRAFFIC AHEAD	EXPECT DELAYS	SLOW TRAFFIC AHEAD	PREPARE TO STOP	(FLASHING CAUTION MODE)

TRAFFIC CONTROL, LANE CLOSURE, TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Erin Schwark — WORK ZONE ENGINEER
FHWA

6

SDD 15D12 - 11e

6

SDD15D12 - 11e

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

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

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

THE SPACING BETWEEN 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

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS.

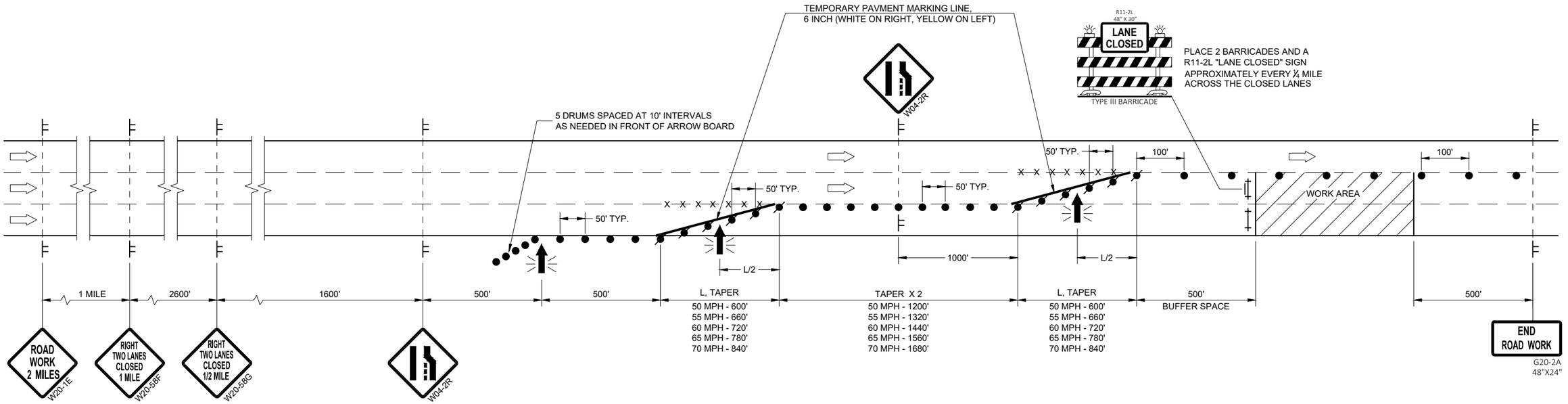
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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.

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



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D14-06

6

SDD 15D14-06

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. 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.

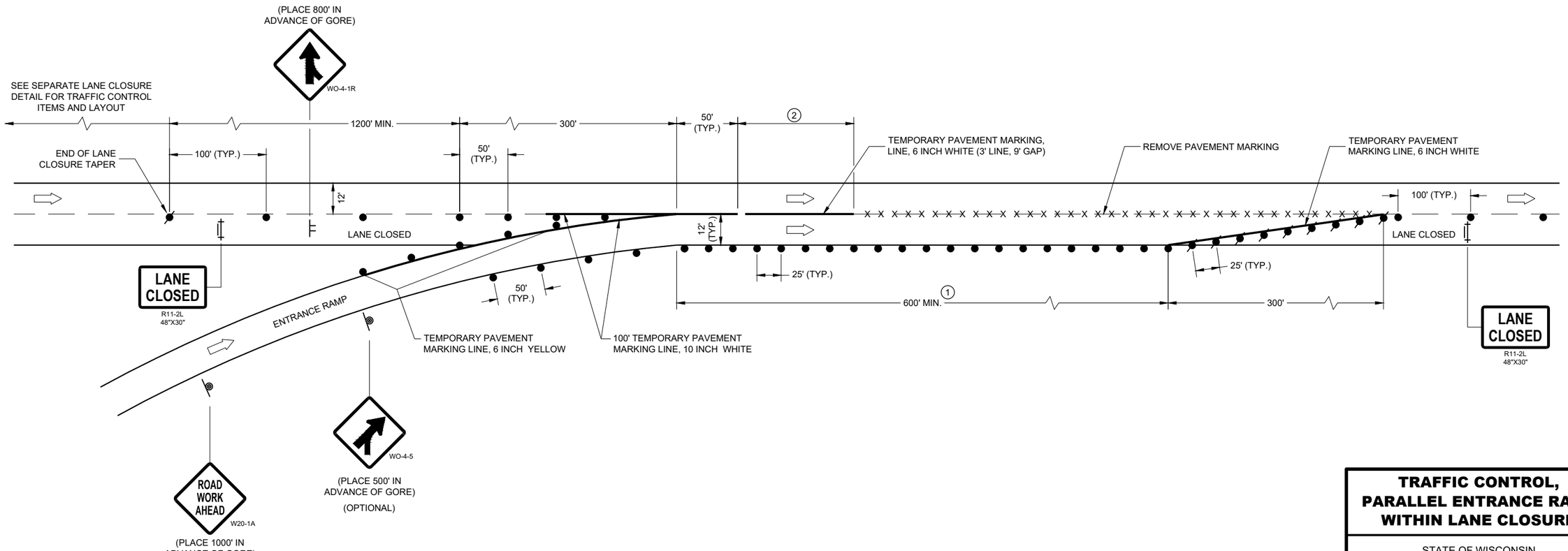
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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) EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D15-07a

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.

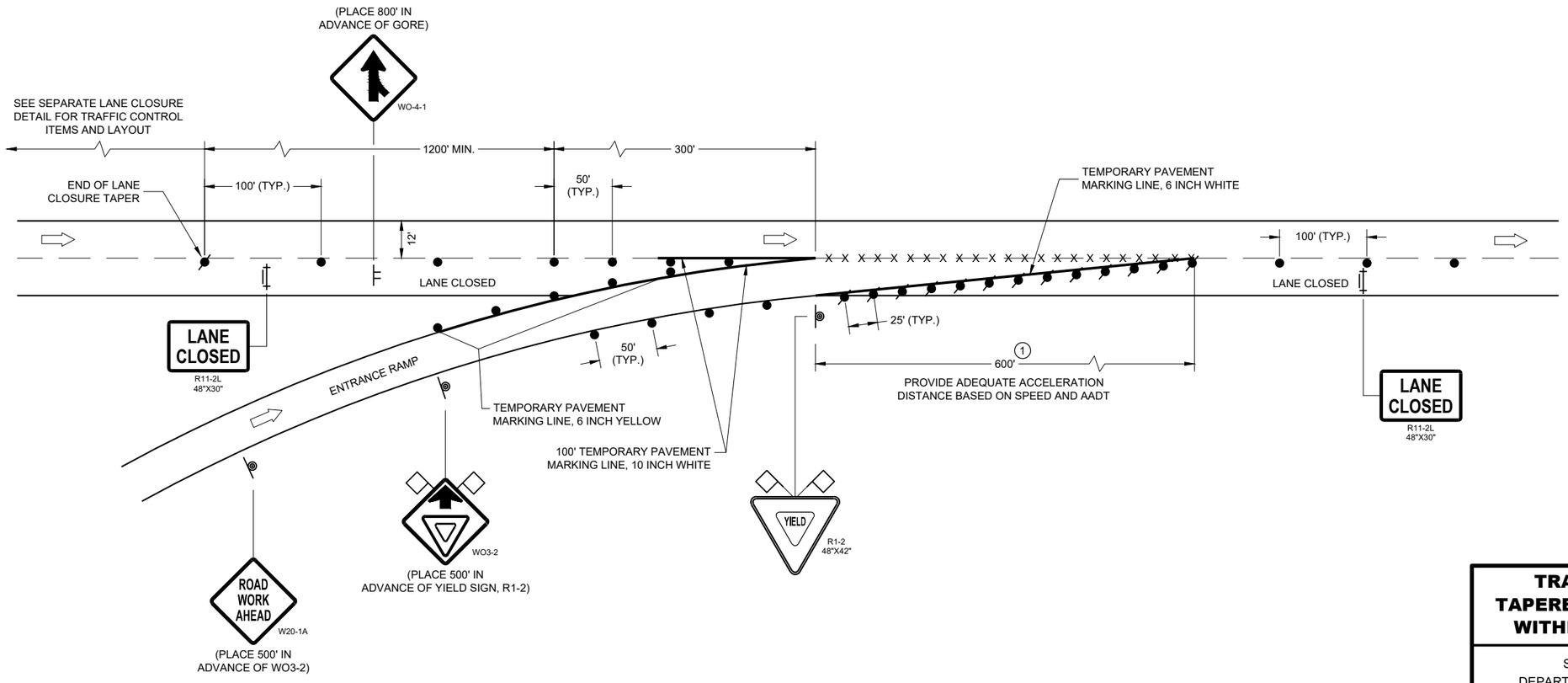
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

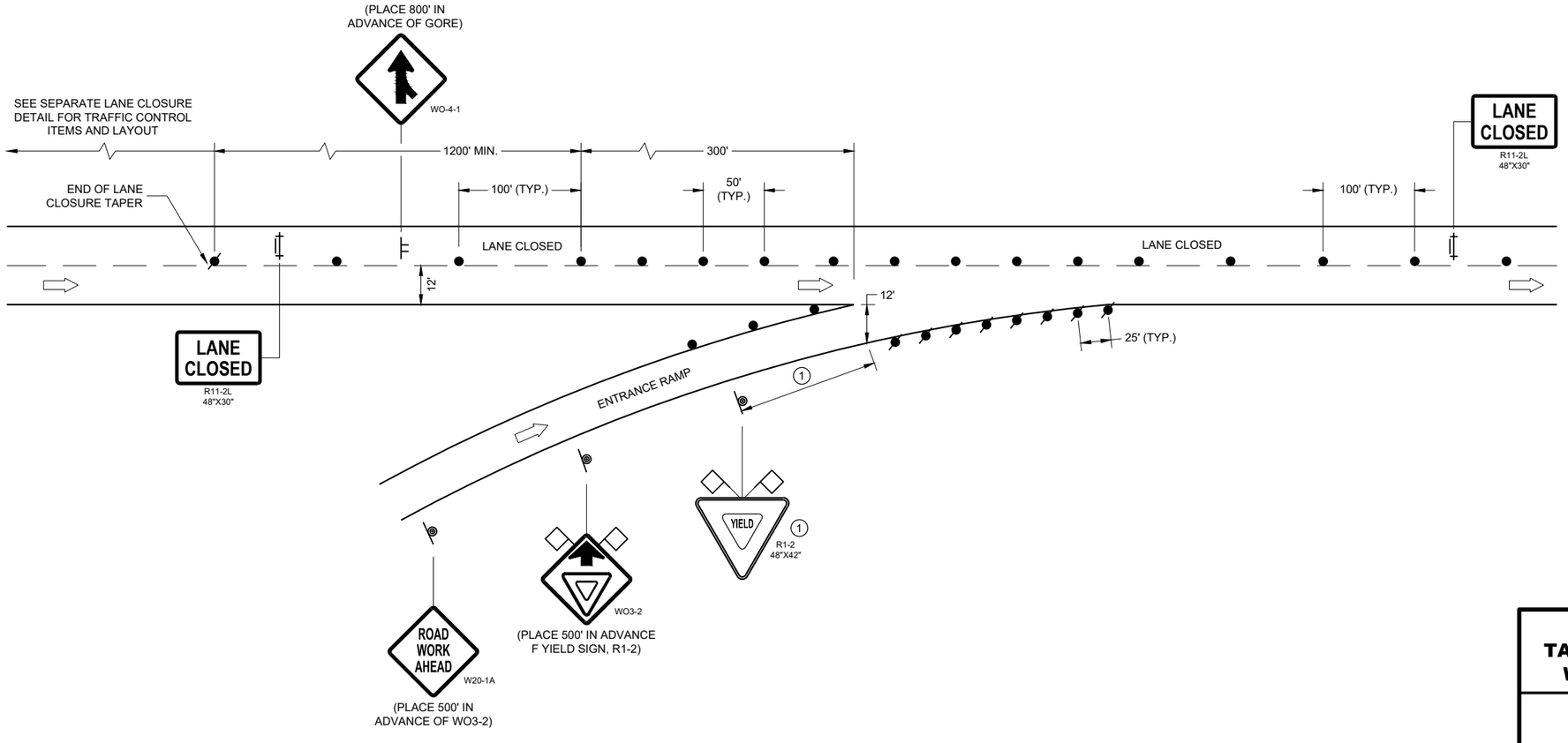
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

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.

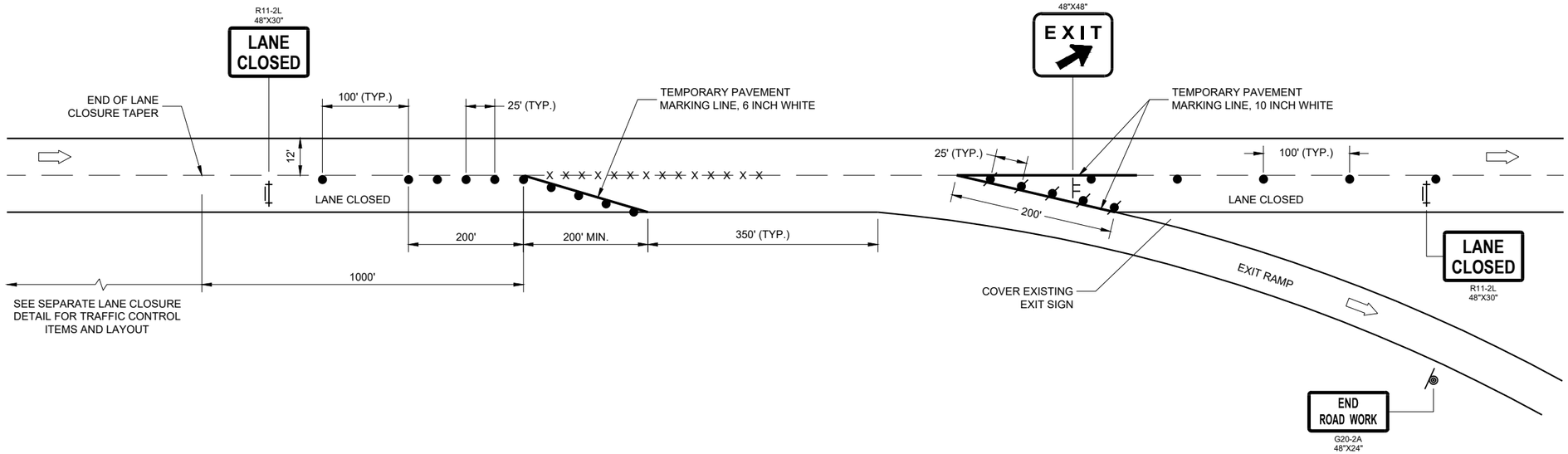
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.



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.

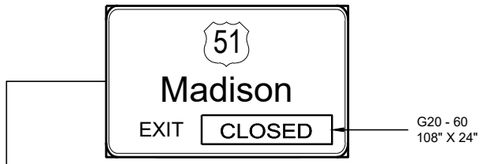
PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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.

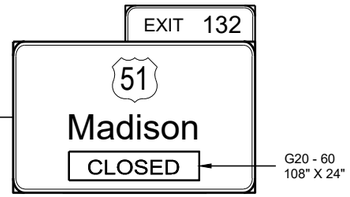
WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

(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

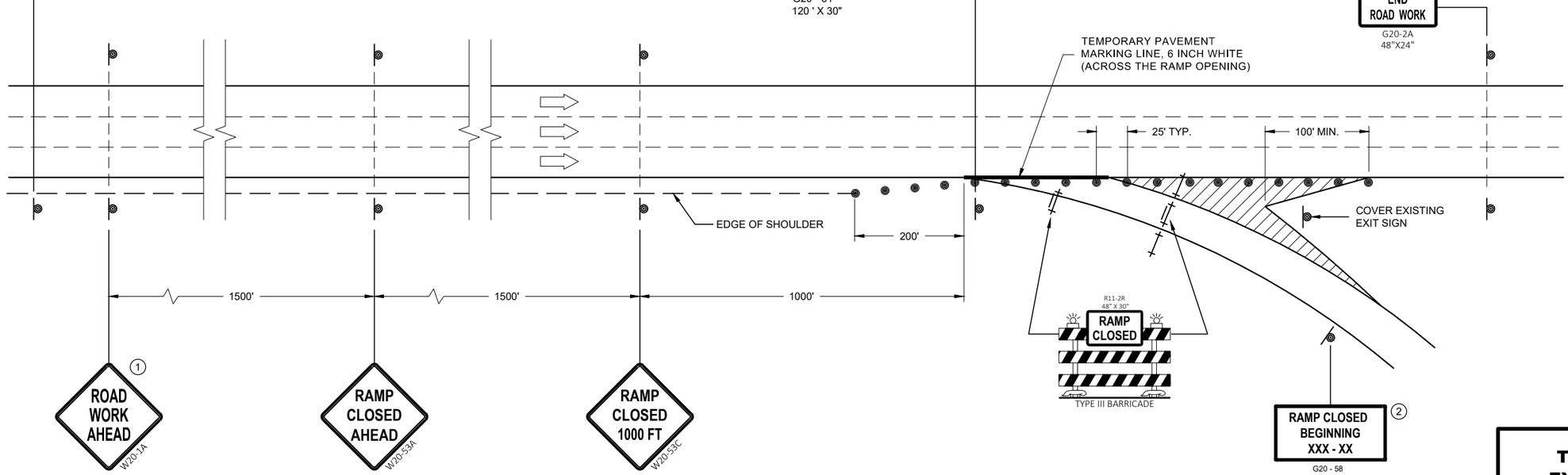


PLACE SIGN G20 - 60 OVER MILEAGE ON EXISTING E1 - 1A SIGN



G20 - 61
120 ' X 30"

COVER ARROW ON EXISTING E4 - 1 SIGN (COVERING SIGNS TYPE I)



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.

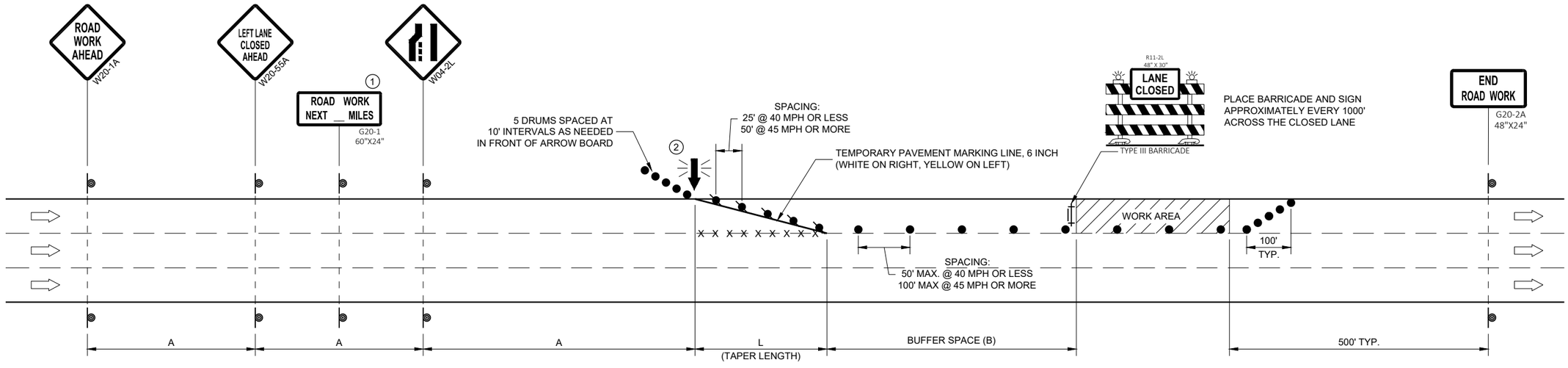
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

6

SDD 15D20-07a

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

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.

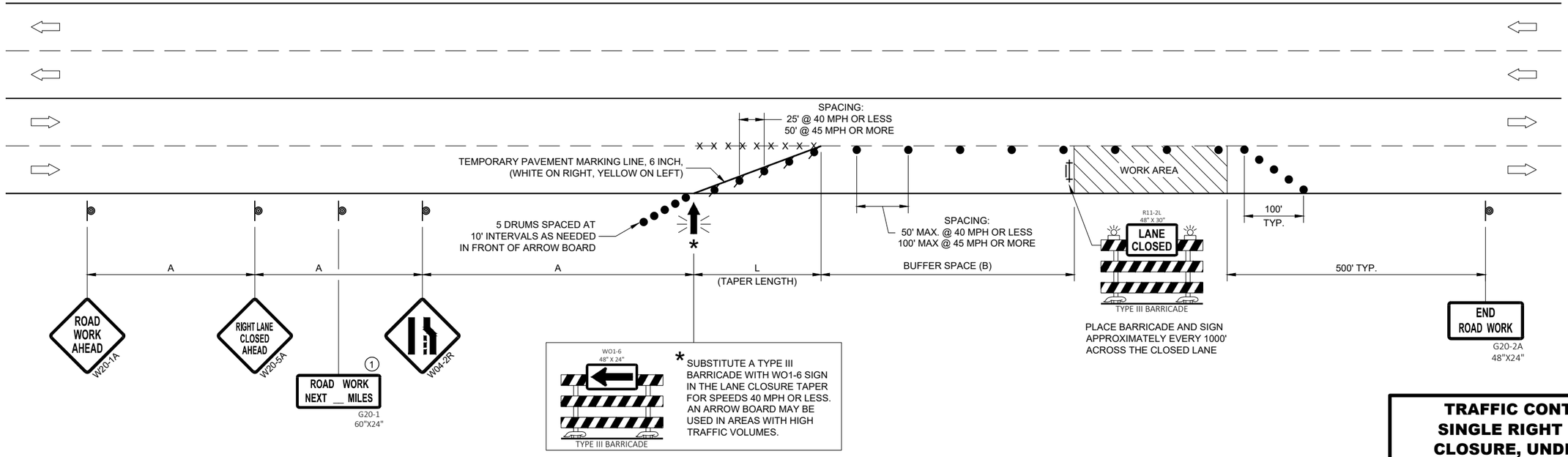
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

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'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D20-07b
SDD 15D20-07b

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

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

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

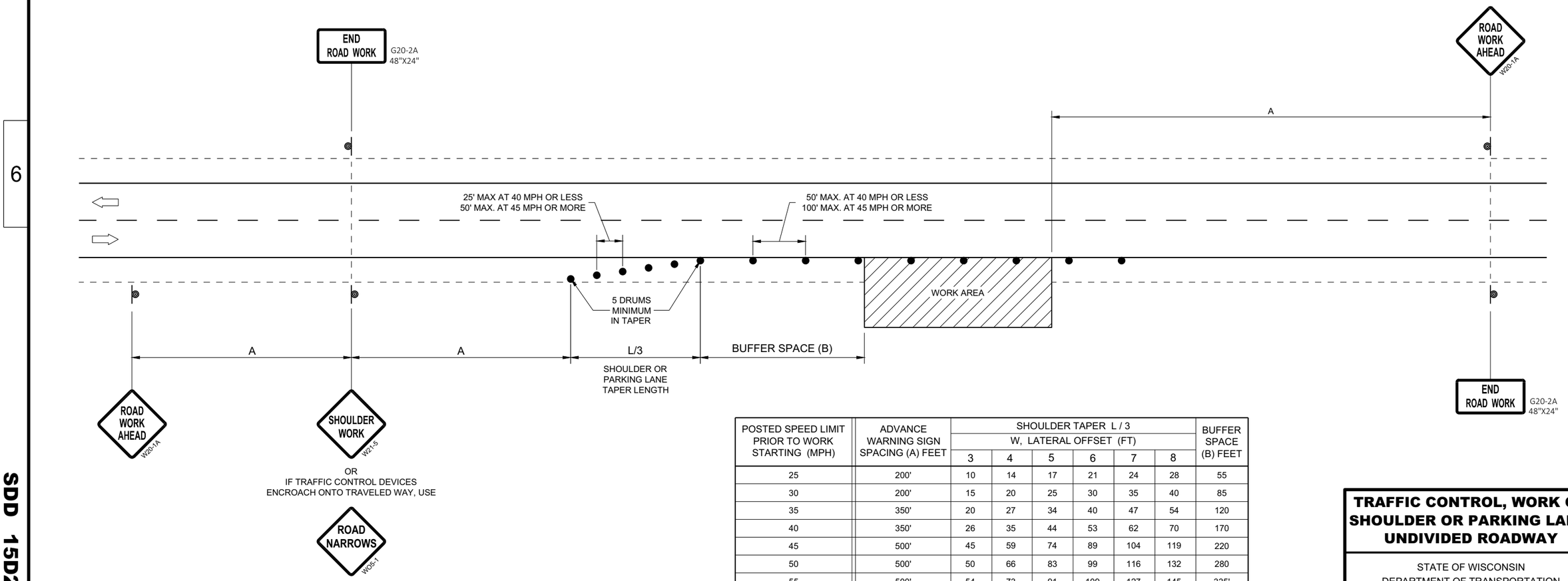
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

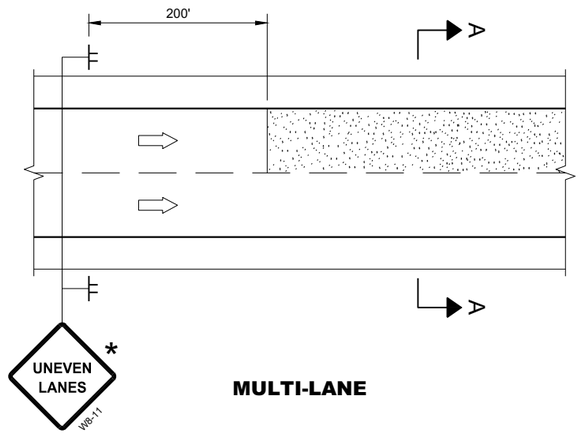
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

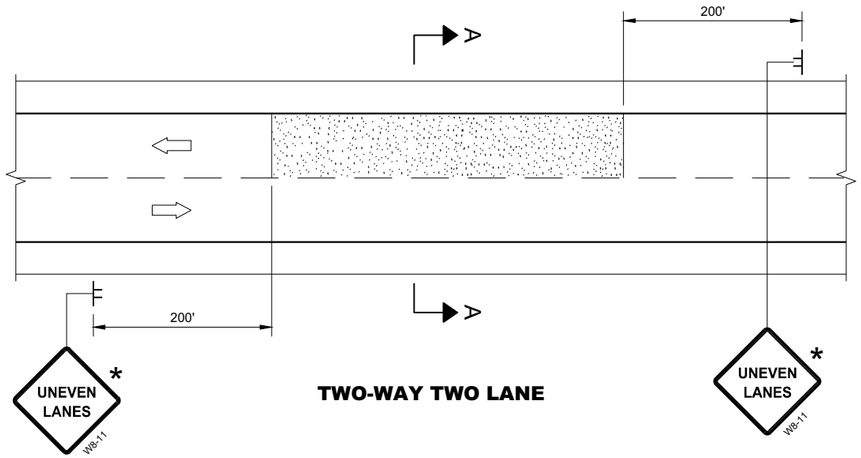
FHWA

6

SDD 15D28 - 04



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.

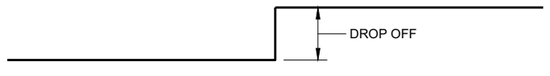
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

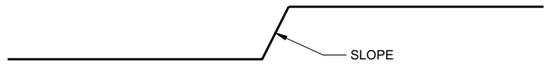
LEGEND

- 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

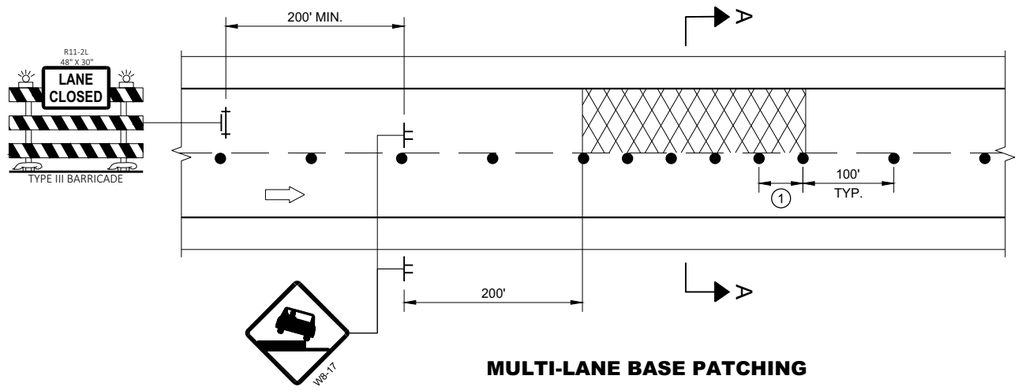


SECTION A - A

OR

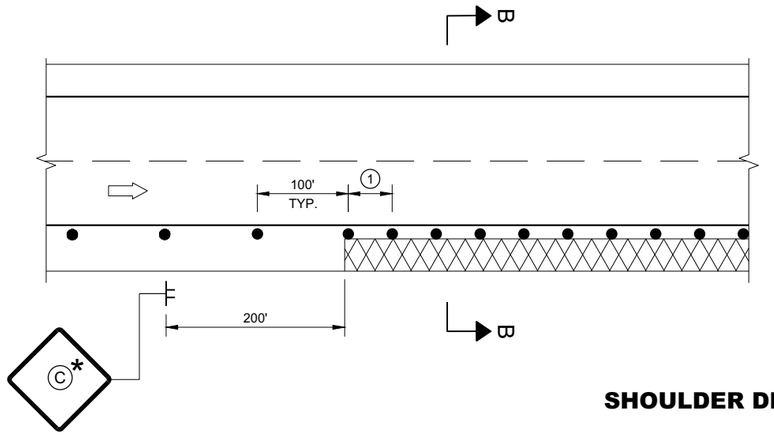


SECTION A - A

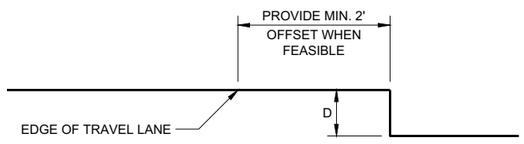


MULTI-LANE BASE PATCHING

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

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)				
	10	11	12	13	14
50	250	275	300	325	350
55	275	303	330	358	385
60	300	330	360	390	420
65	325	358	390	423	455
70	350	385	420	455	490

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

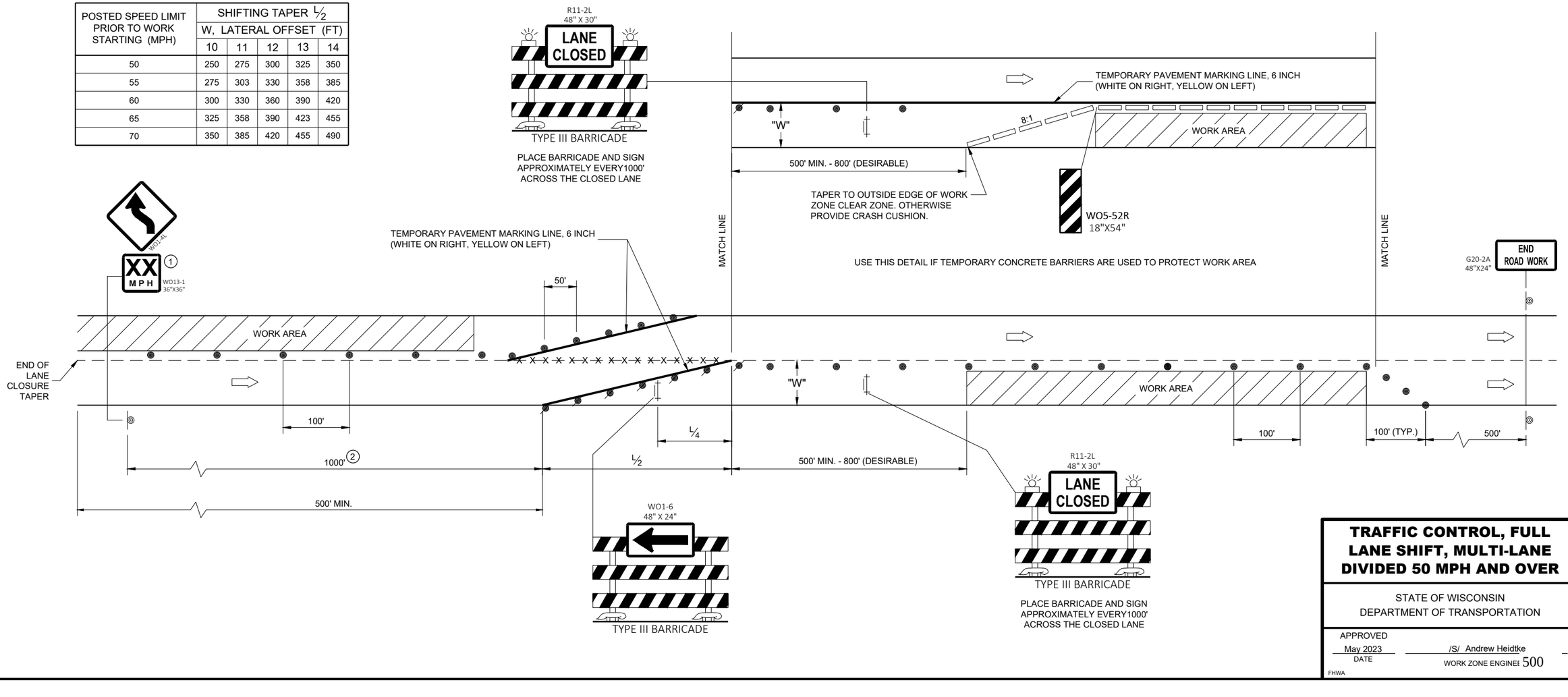
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ½ THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) IF BEGINNING OF LANE SHIFT IS 1200' OF LESS FROM THE END OF THE LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.



TRAFFIC CONTROL, FULL LANE SHIFT, MULTI-LANE DIVIDED 50 MPH AND OVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40-05b

6

SDD 15D40-05b

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

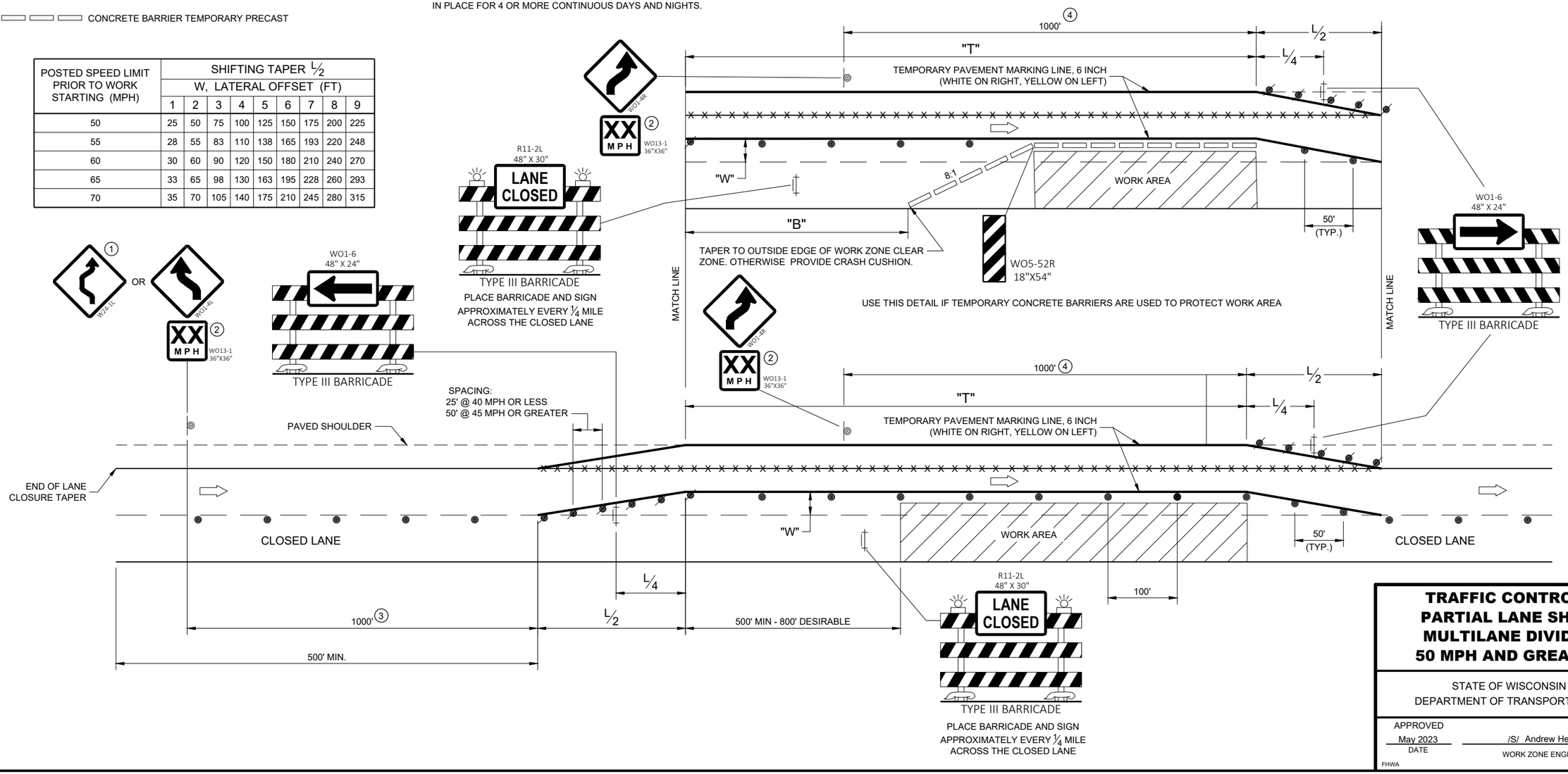
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

1. USE ONLY WHEN T<600', OMIT WO1-4R.
2. IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
3. IF THE BEGINNING OF LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.
4. IF THE BEGINNING OF THE SECOND LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF THE FIRST LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE FIRST LANE CLOSURE TAPER.



TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

501

FHWA

6

SDD 15D40-05d

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

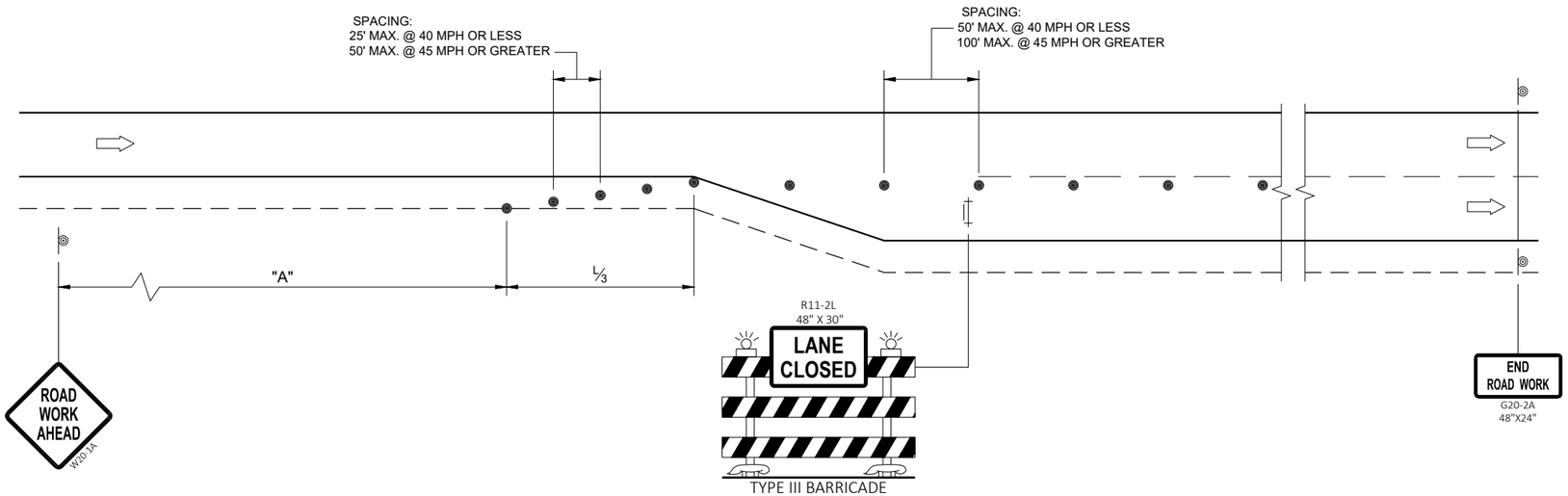
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

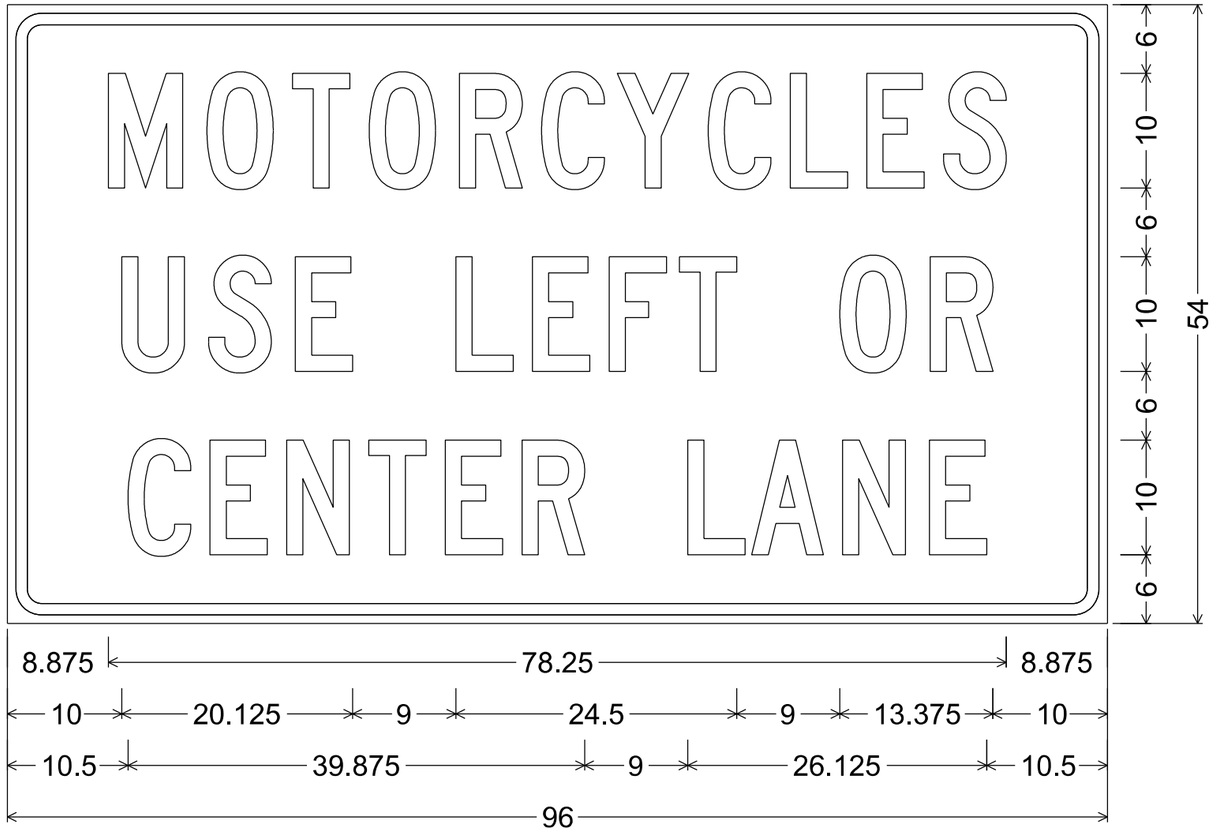
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

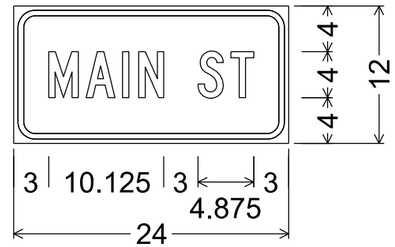
6
SDD 15D50-03a

NOTES

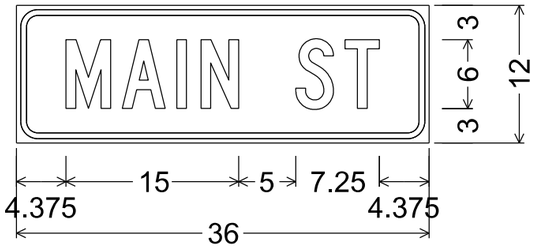
1. Fixed Message signs are Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



3.000" Radius, 1.000" Border, 0.750" Indent



1.875" Radius, 0.500" Border, 0.375" Indent



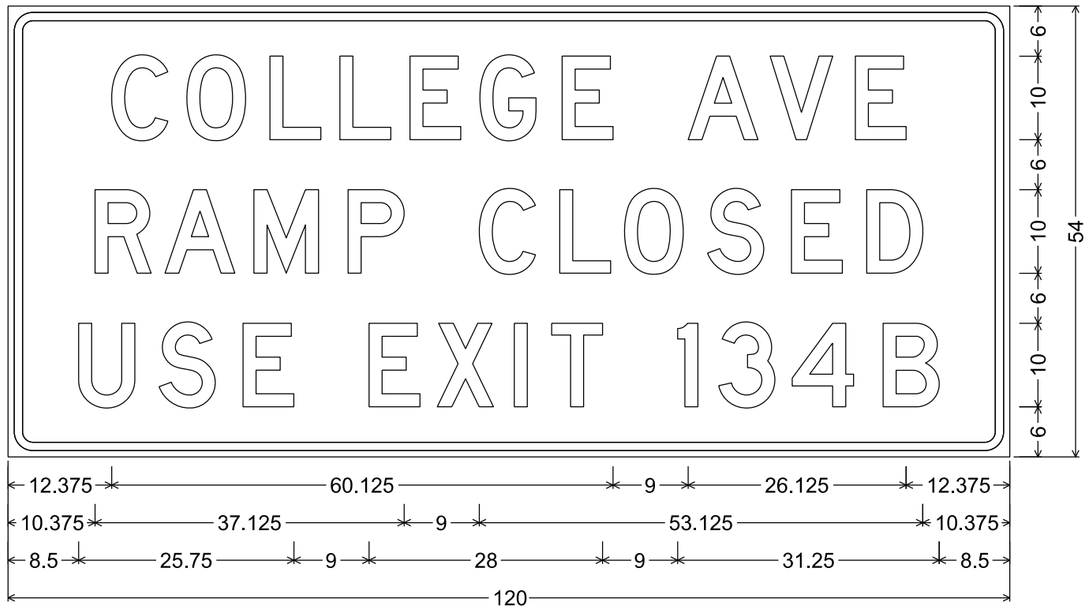
1.875" Radius, 0.500" Border, 0.375" Indent

7

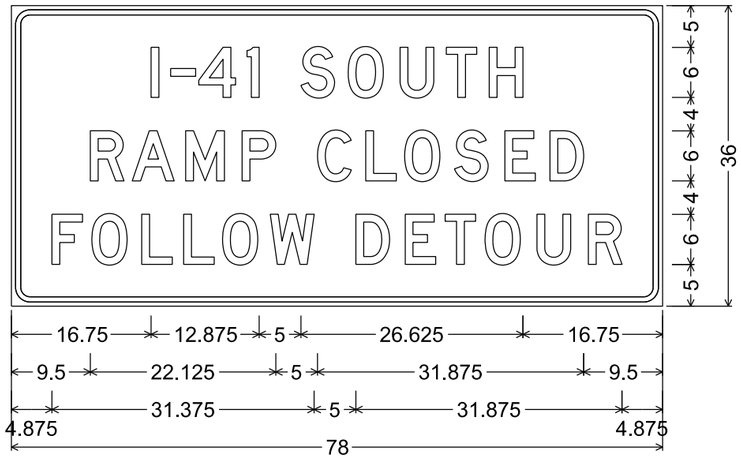
7

NOTES

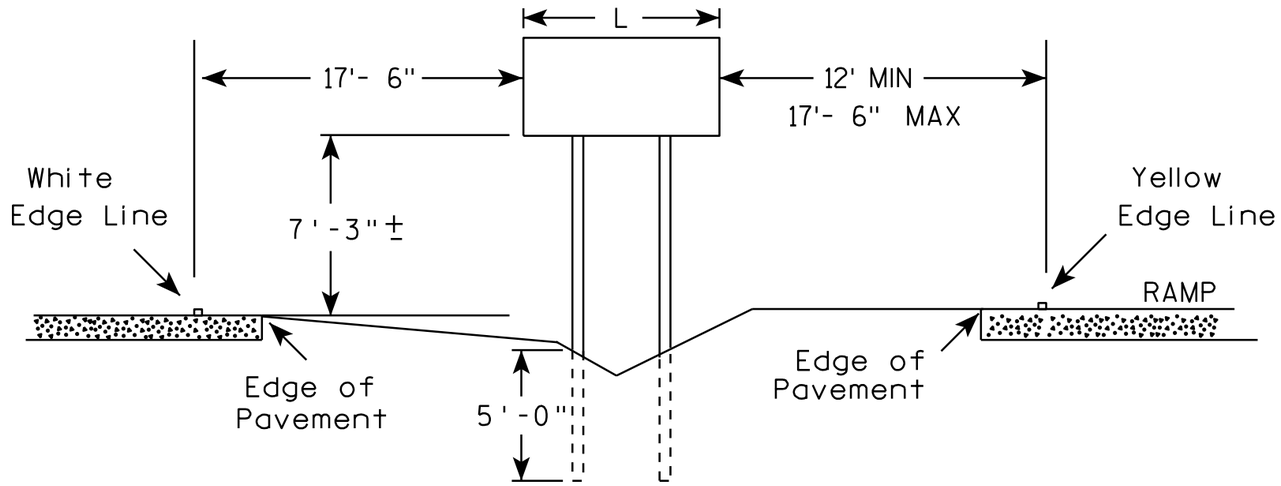
1. Fixed Message Signs are Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

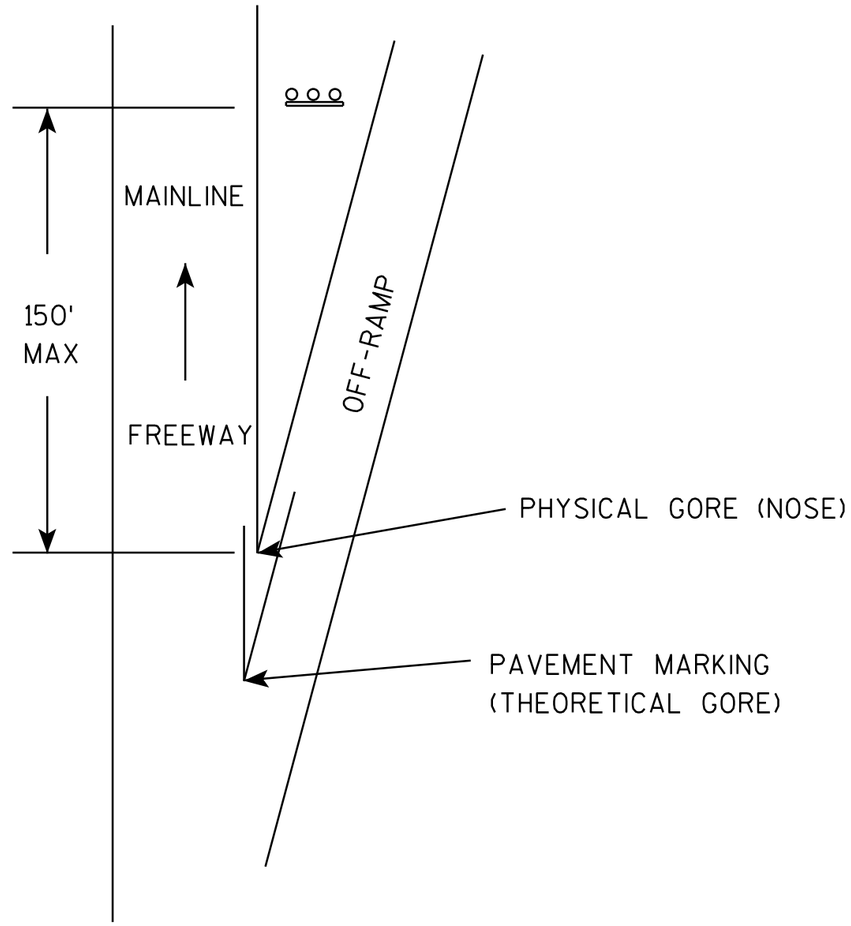


3.000" Radius, 1.000" Border, 0.750" Indent



2.250" Radius, 0.625" Border, 0.500" Indent





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

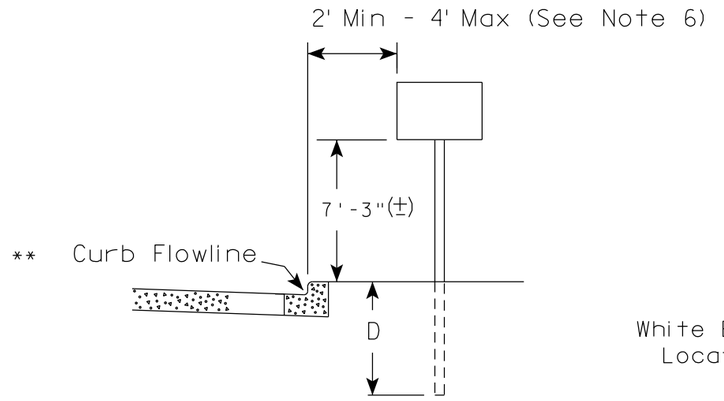
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

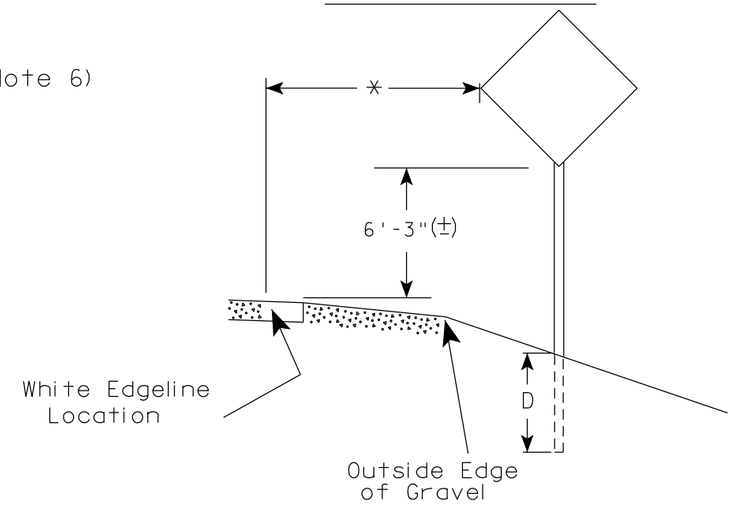
DATE 2/06/14 PLATE 505 A4-2.3

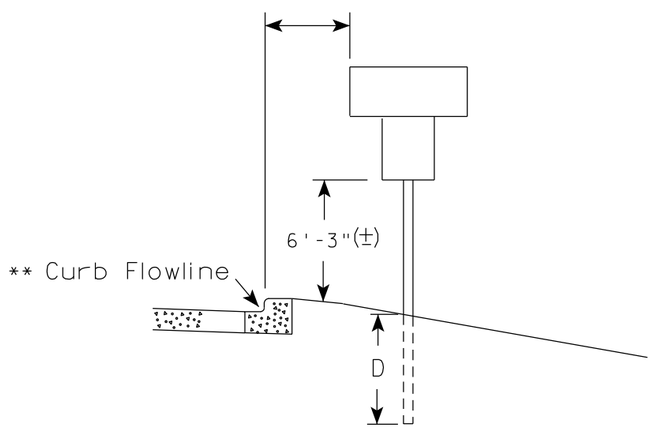
PROJECT NO: | SHEET NO: E

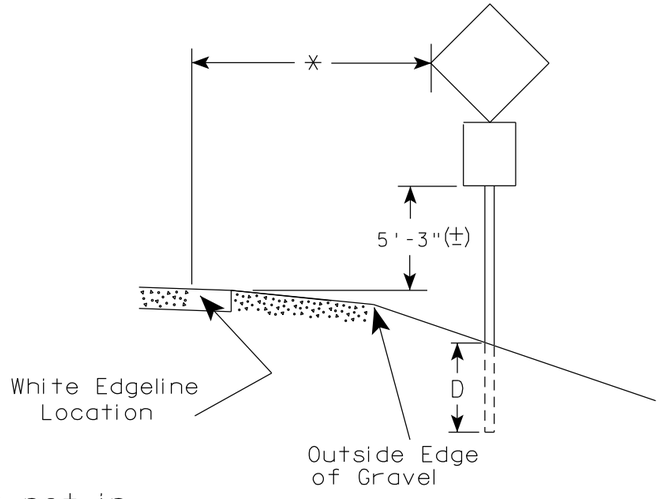
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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.

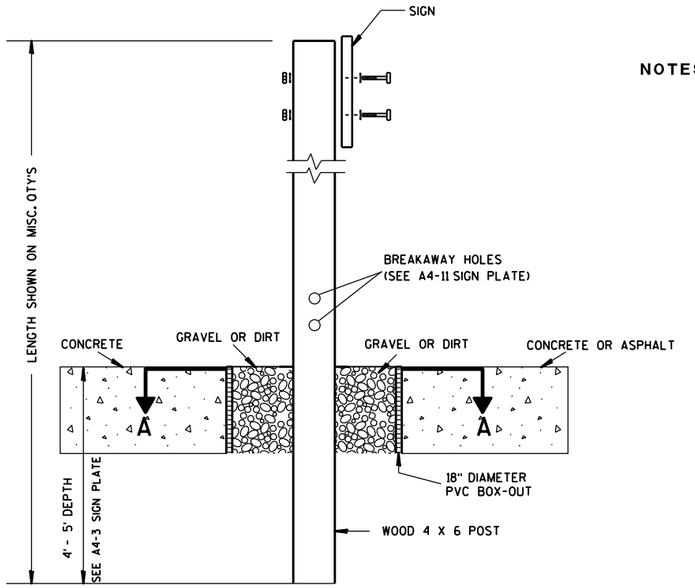
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

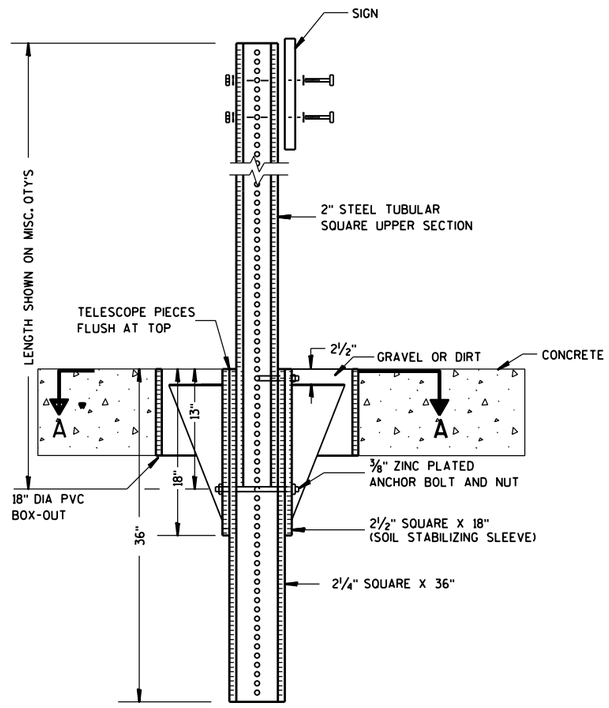
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 506	E



ELEVATION VIEW

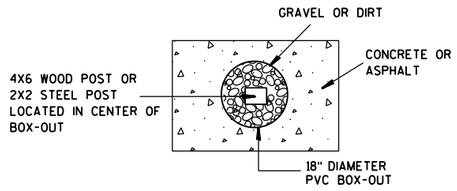
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

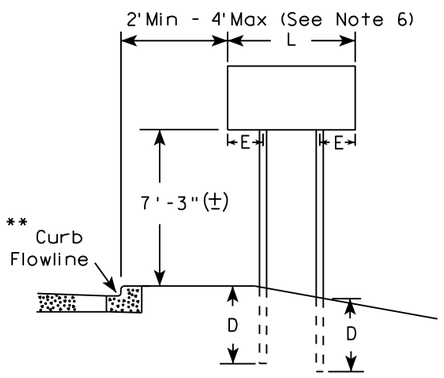
APPROVED Matthew R Rauch
for State Traffic Engineer

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

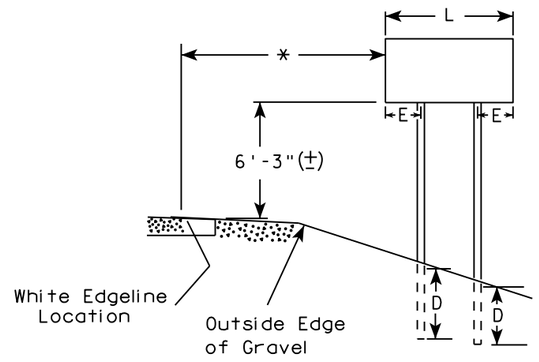
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

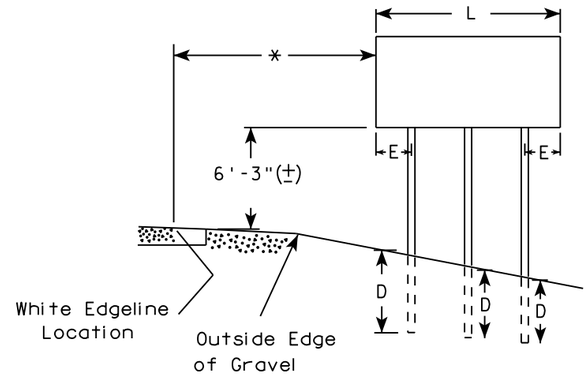
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

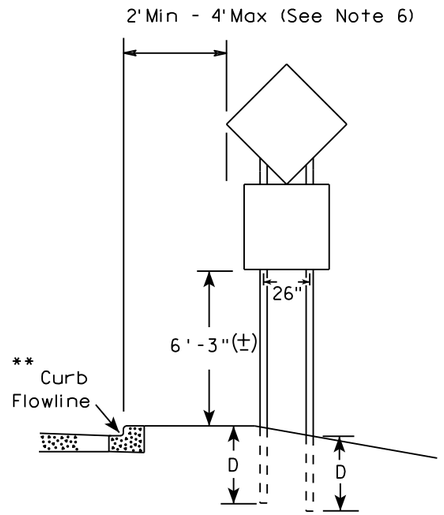
URBAN AREA



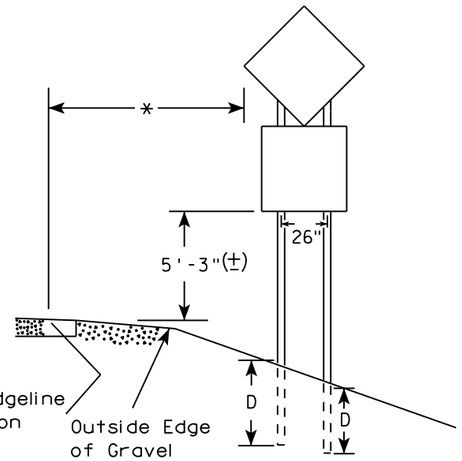
RURAL AREA (See Note 3)







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'

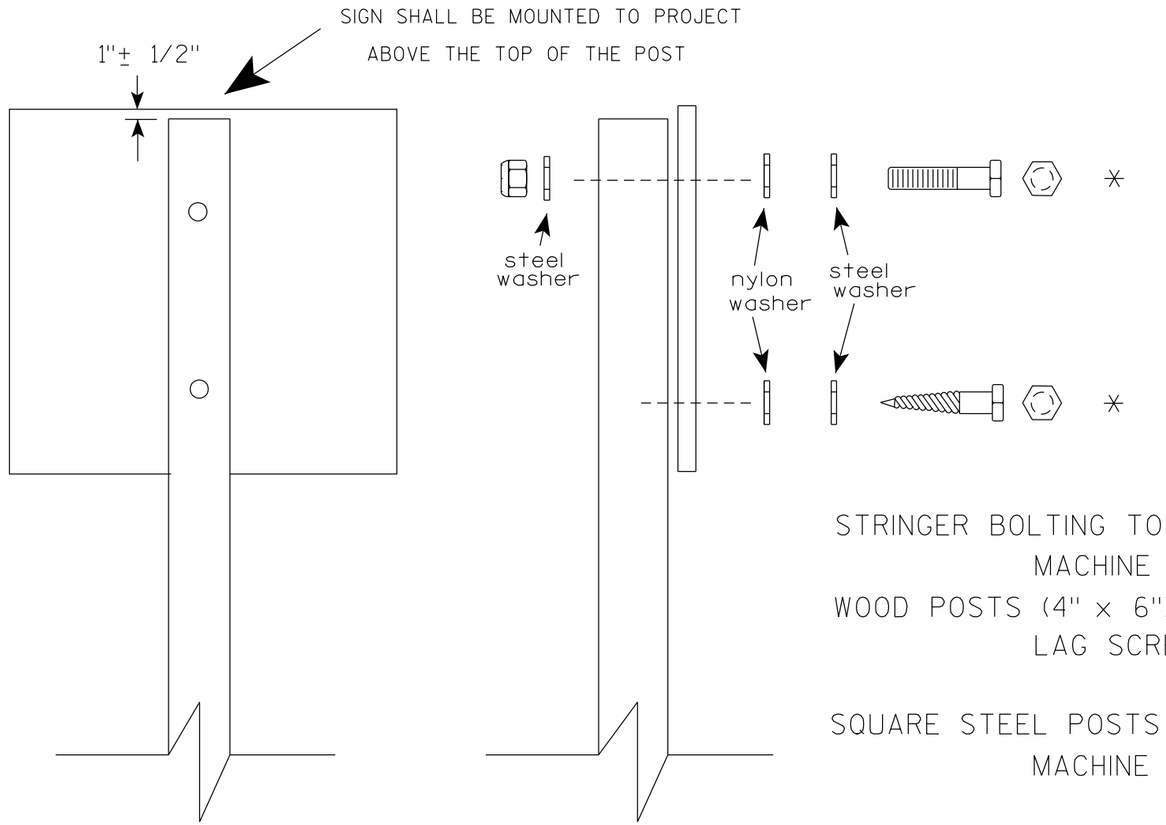
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 508	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: 509 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

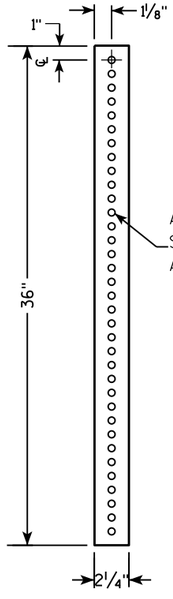
WISDOT/CADDS SHEET 42

7

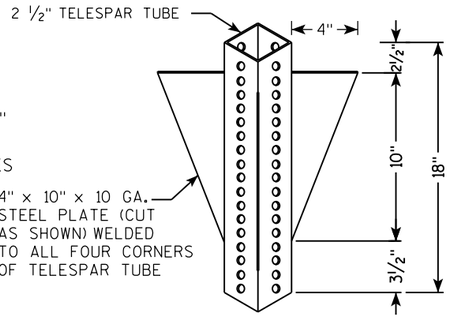
7

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

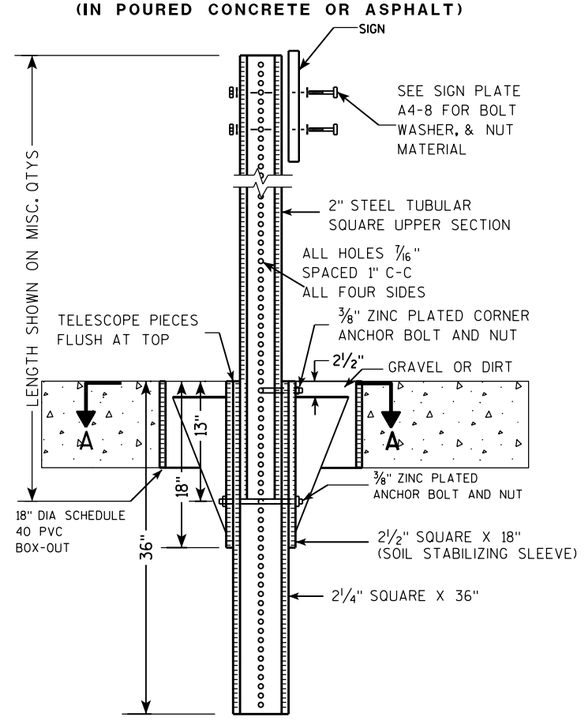
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



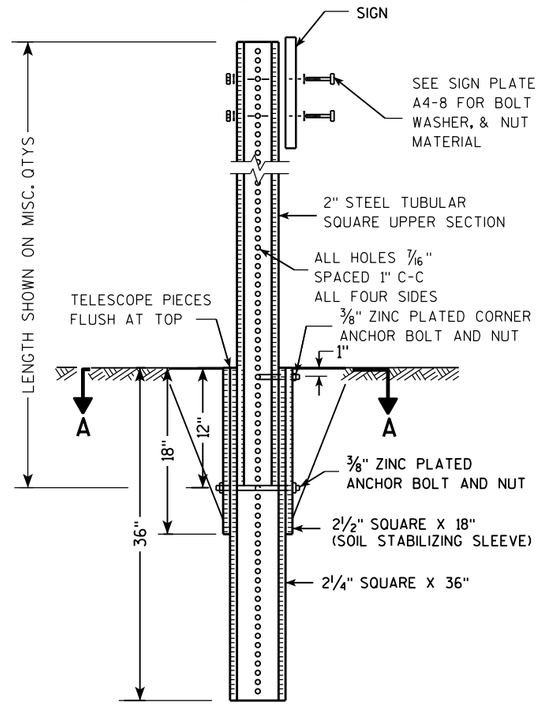
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

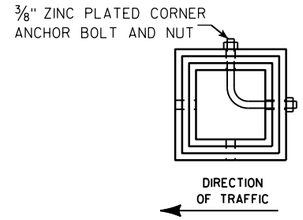


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

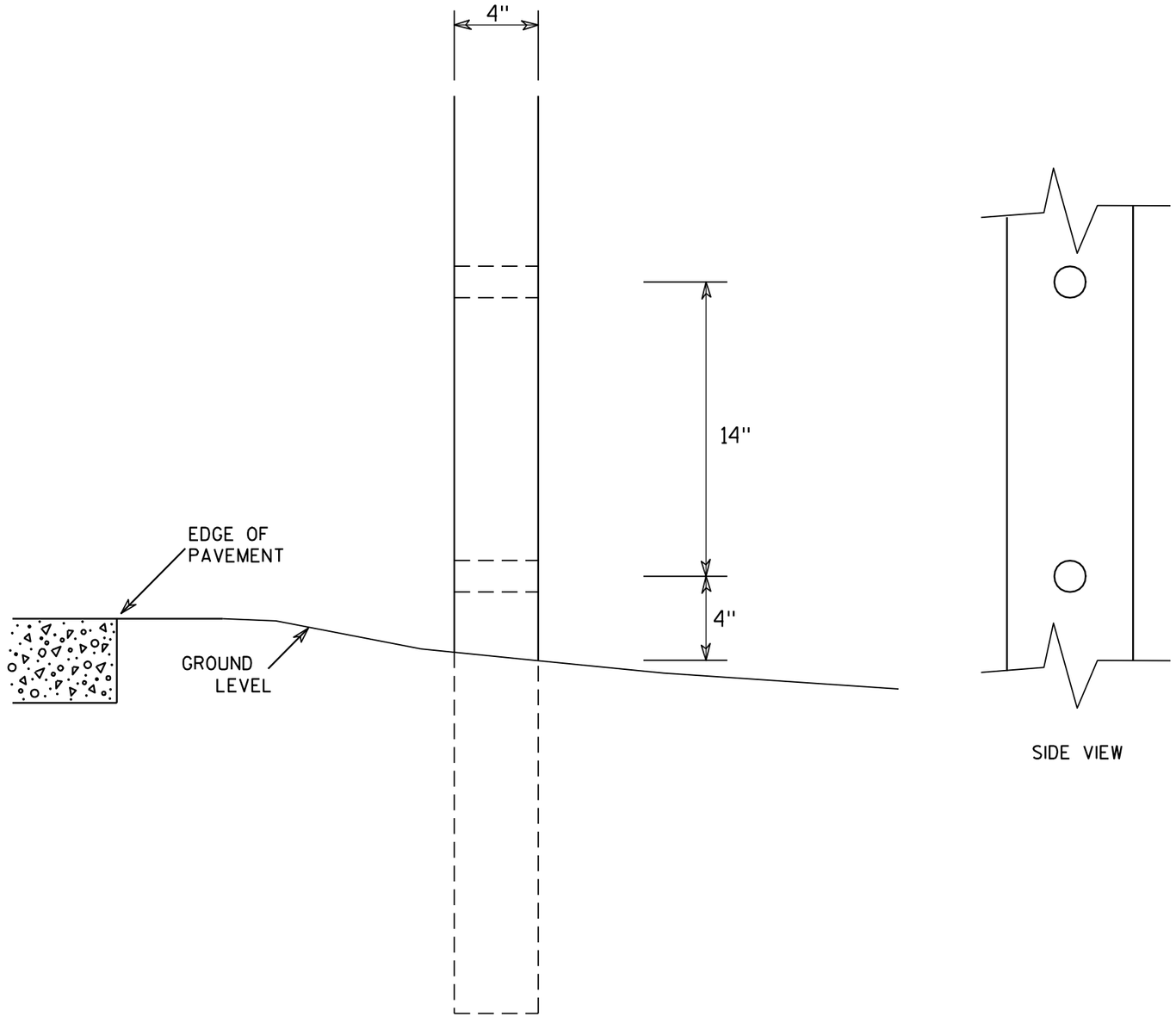
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 510 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

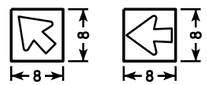
APPROVED Chester J Spang
for State Traffic Engineer

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

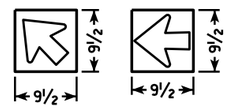
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 511	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES

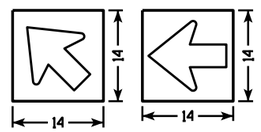




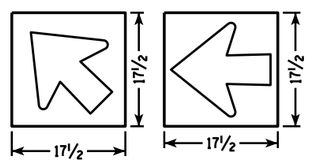










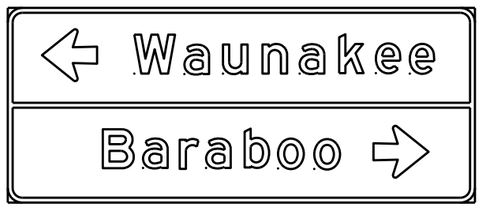


GENERAL NOTES

1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

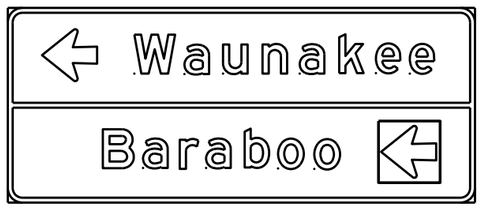
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

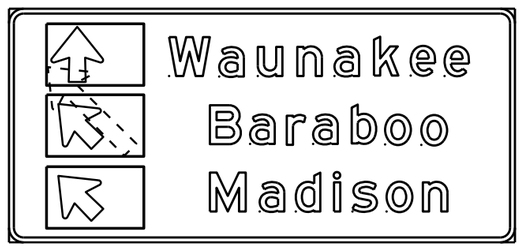
BEFORE





AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

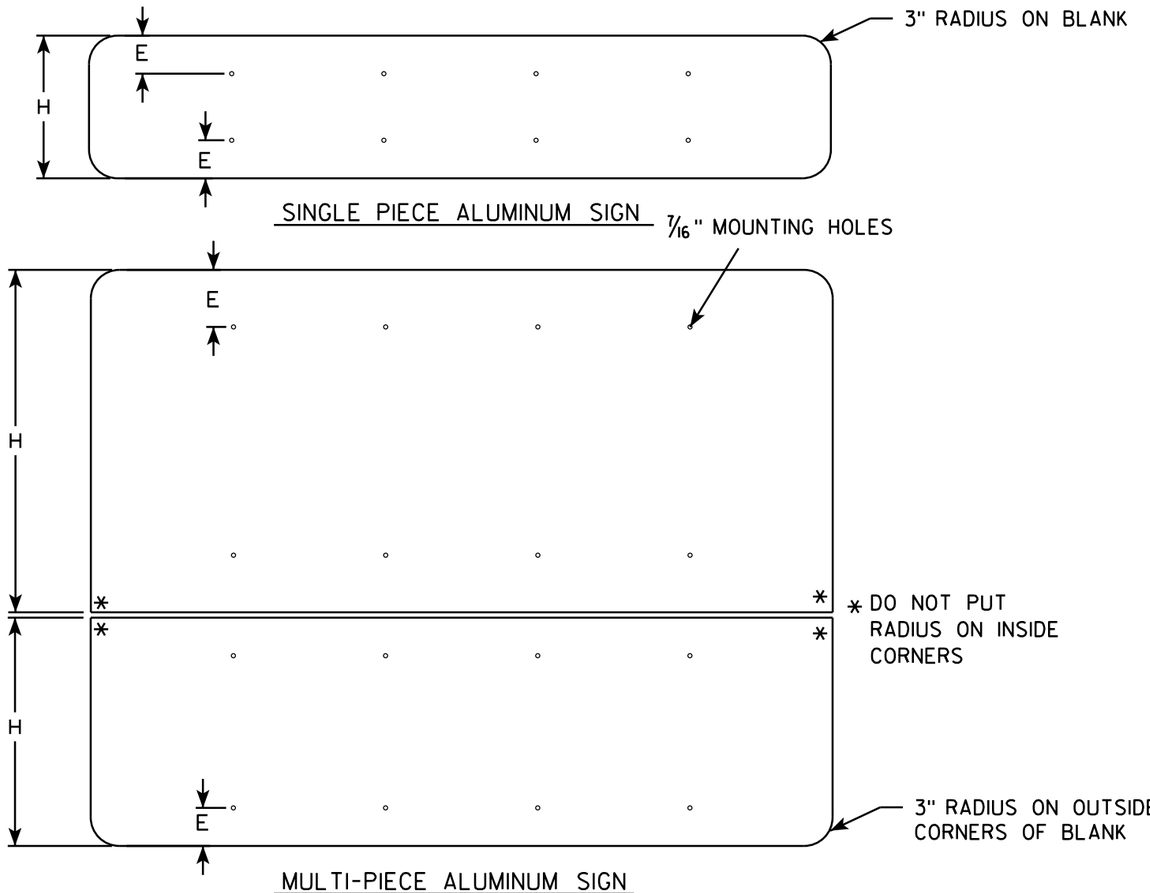
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

A4-12.2

PROJECT NO:

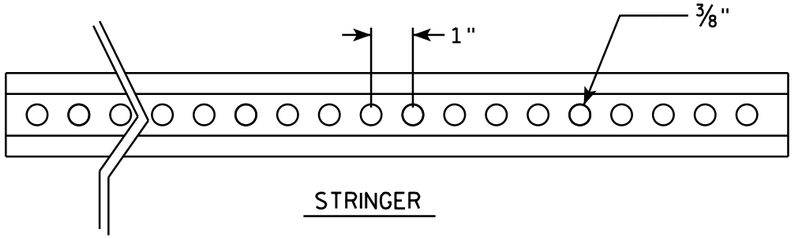
SHEET NO: E



GENERAL NOTES

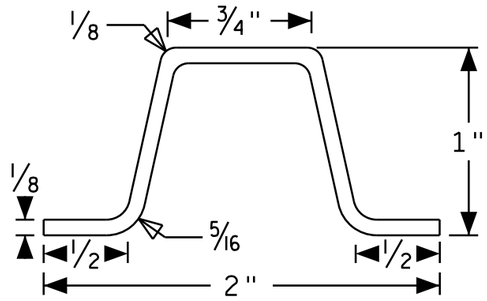
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

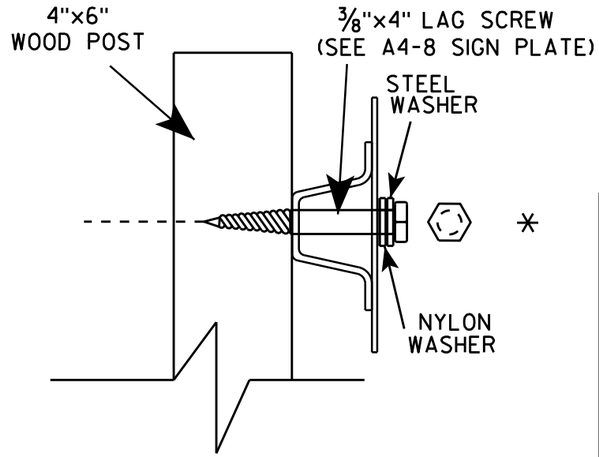


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

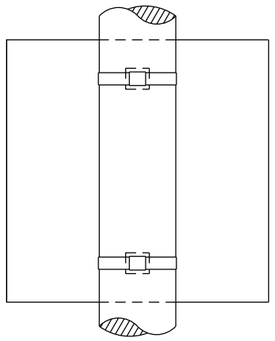
DATE 4/26/16 PLATE NO A4-18.1

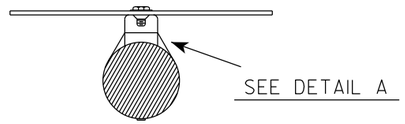
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

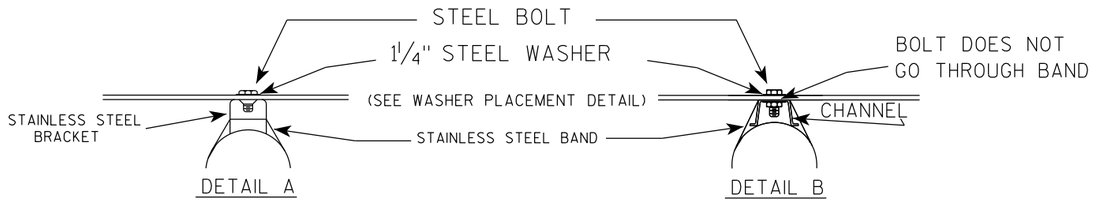
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

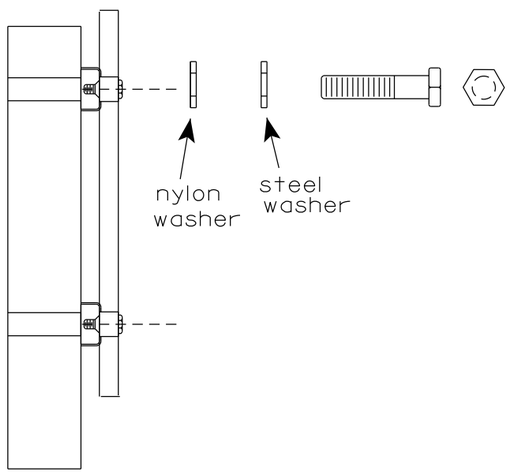
SINGLE SIGN







WASHER PLACEMENT

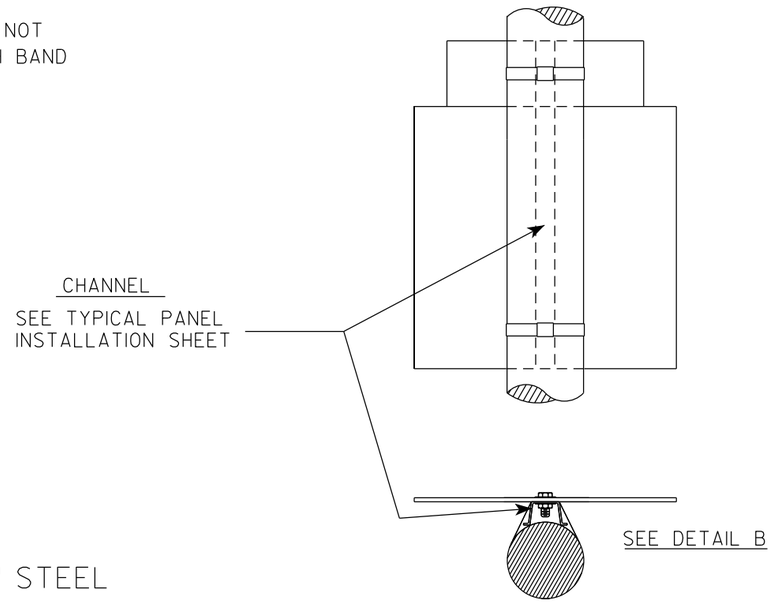


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

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

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

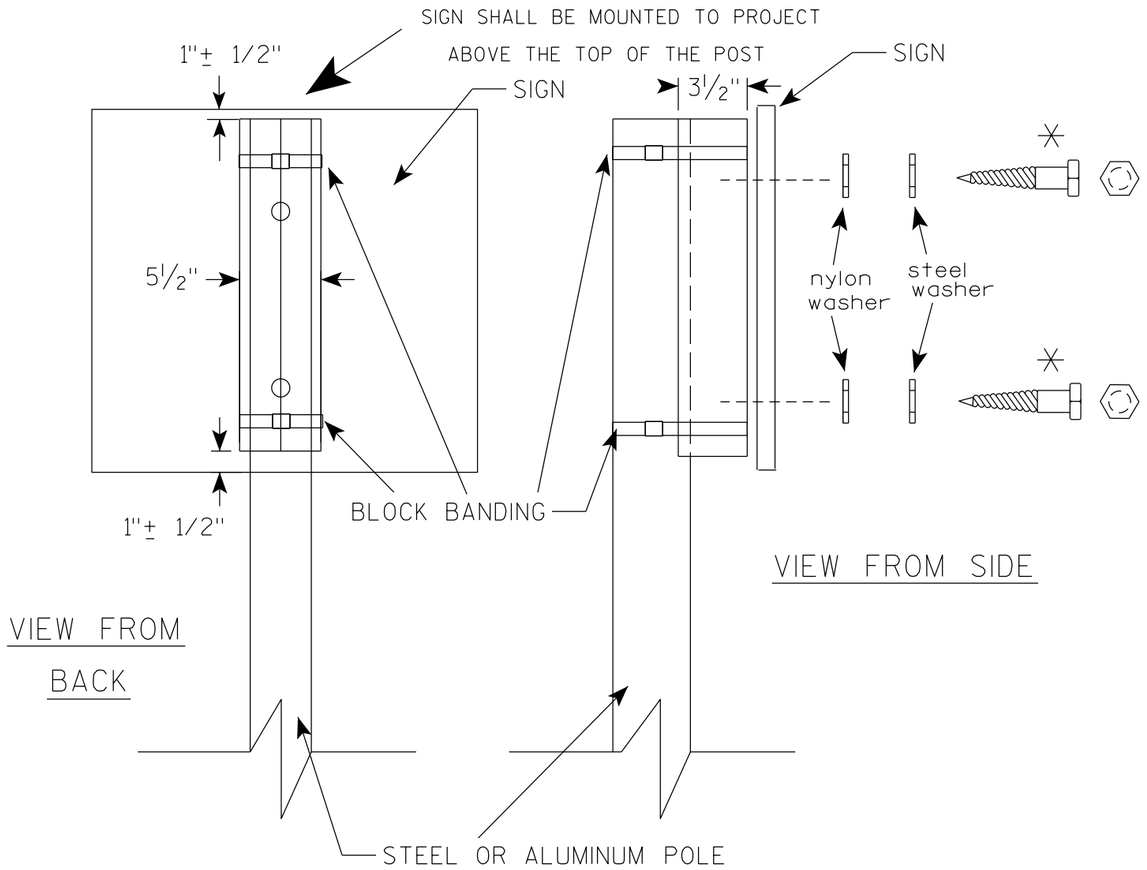
DATE 6/10/19 PLATE NO. A5-9.4

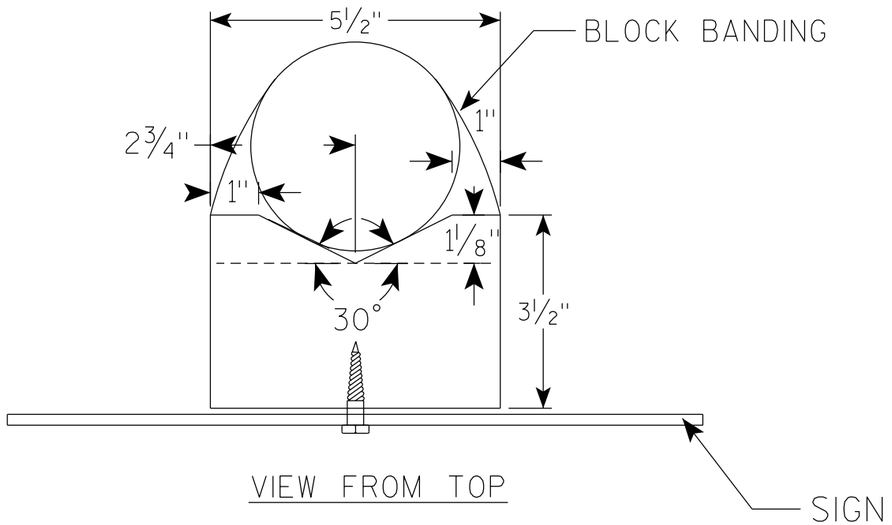
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 514	E

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)

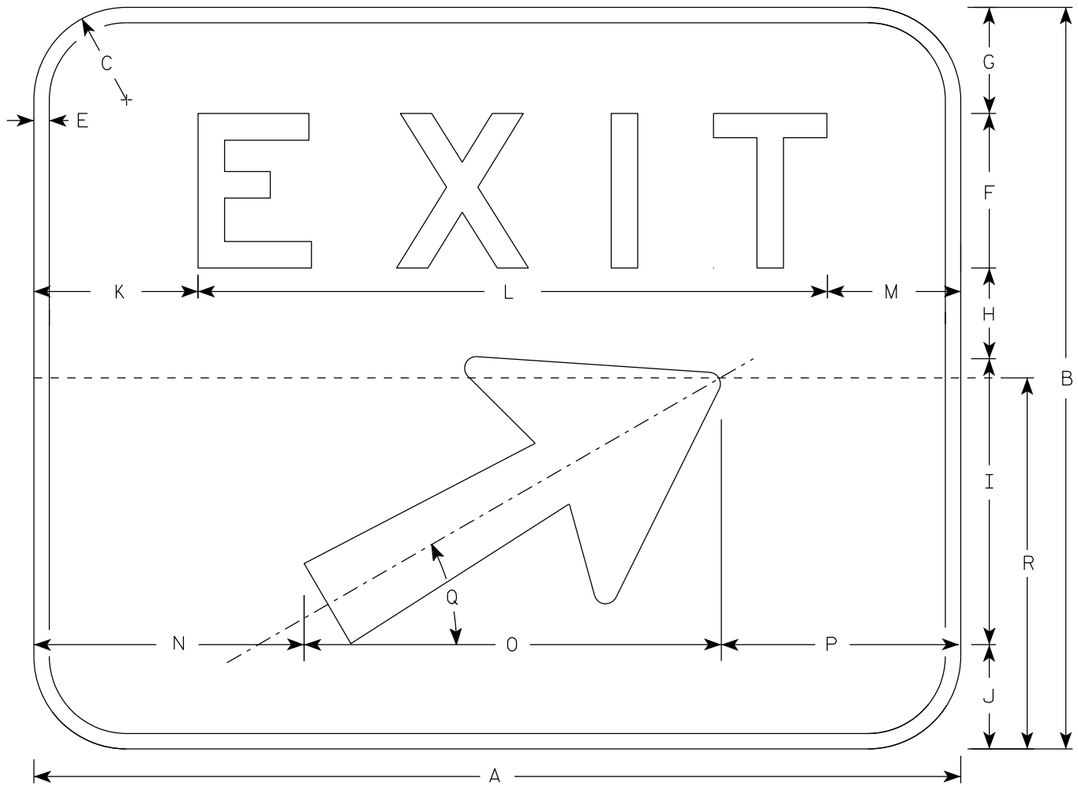
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 515 E



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Sign shall be split into two seperate pieces as shown on the detail by the dashed line (----------) for sizes 4 & 5.
5. Arrow is Type "A" from sign plate A1-1.
6. As per the Standard Spec's, this sign shall not have a vertical joint.
7. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

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	48	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	6		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	6		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

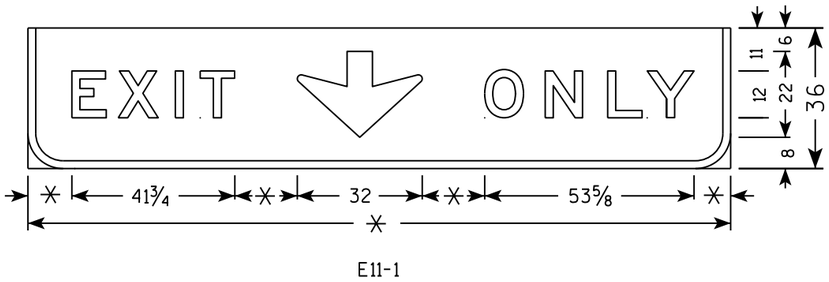
STANDARD SIGN
E5-1

WISCONSIN DEPT OF TRANSPORTATION

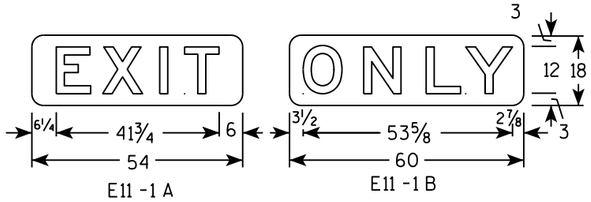
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2022 PLATE NO. E5-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 516 | E

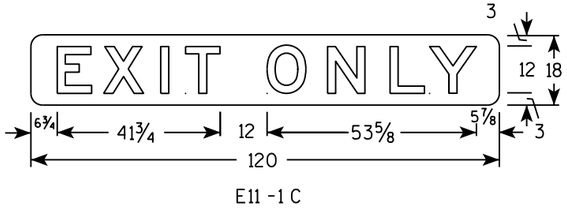


E11-1

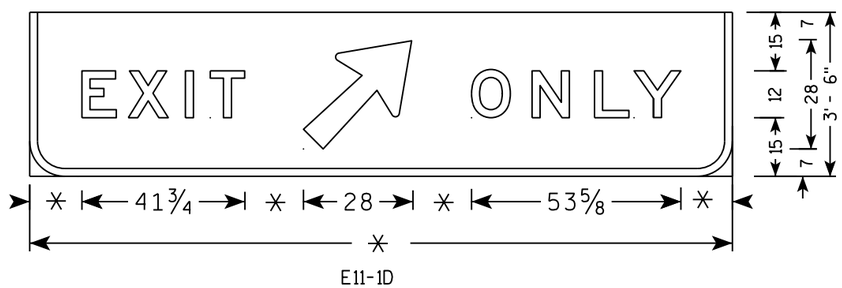


E11 -1 A

E11 -1 B



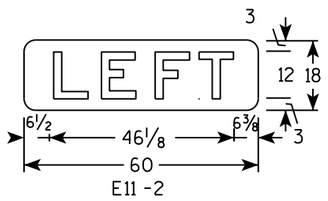
E11 -1 C



E11-1D

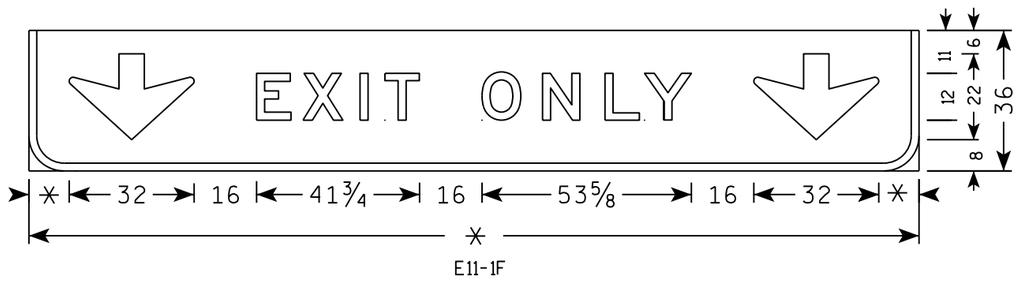


E11-1E



E11 -2

* Variable Dimensions



E11-1F

NOTES

1. Panels are - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E
4. The E11-1, E11-D, E11-1E, and E11-1F base material shall match that of the sign it is used with.
5. The E11-1A. E11-1B, E11-1C, and E11-2 base material shall consist of aluminum plates or sheets, .040 minimum thickness.
6. Payment for these panels are included in the Type I sign of which they are a part.
7. Radius and Border thickness shall match the main Guide Sign Border per standard plate A11-1.

STANDARD PANELS E11-1
FOR LARGE GUIDE SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/17 PLATE NO. E11-1.10

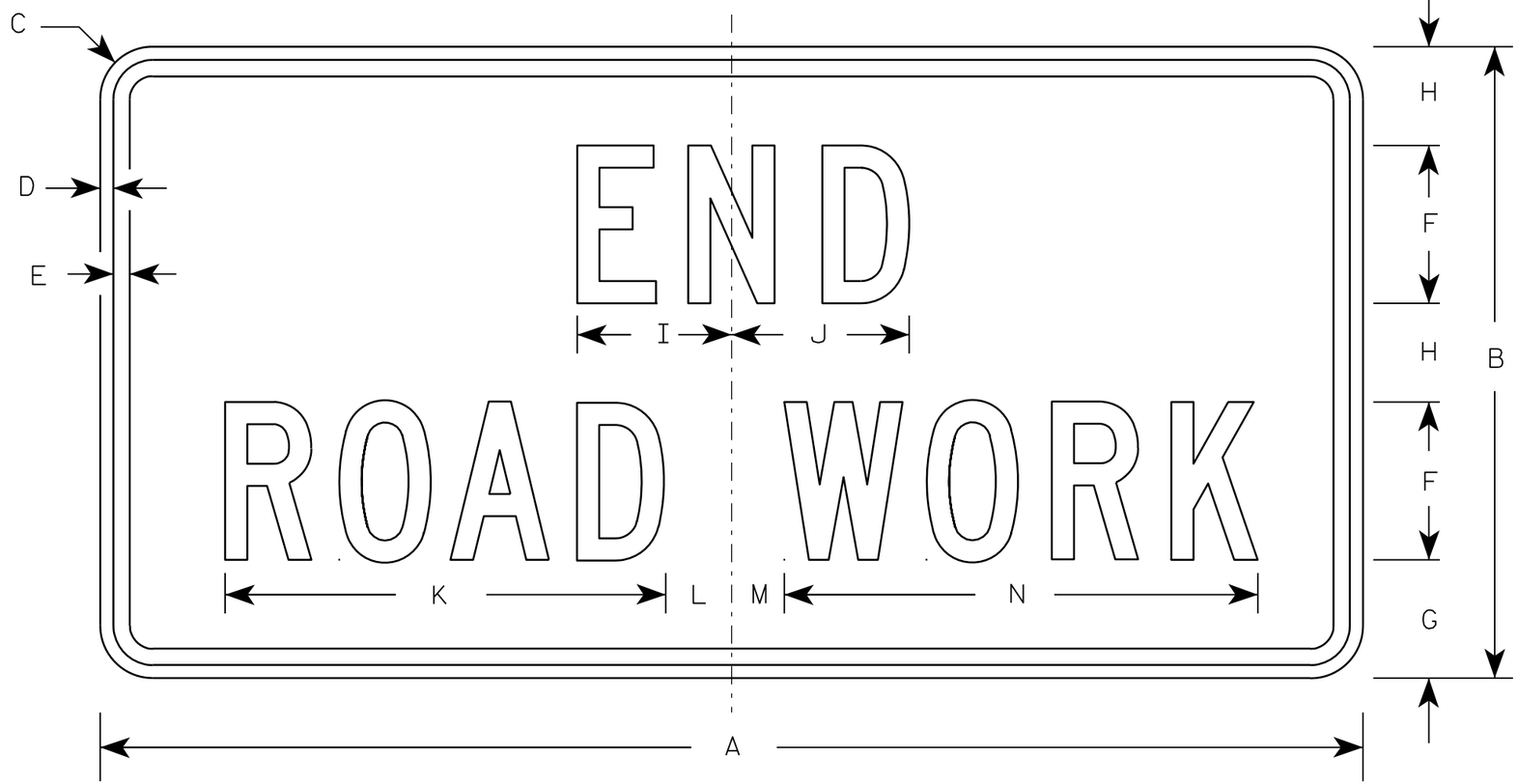
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 517	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\E111.DGN PLOT DATE : 23-FEB-2017 14:27 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 38.802864:1.000000

WISDOT/CADDS SHEET 42

7

7



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: 518	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

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Material shall be .040 aluminmum



G20-62

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	48	24				10	7	3 1/2	40 7/8																		8.0
5																											

STANDARD SIGN
G20-62

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

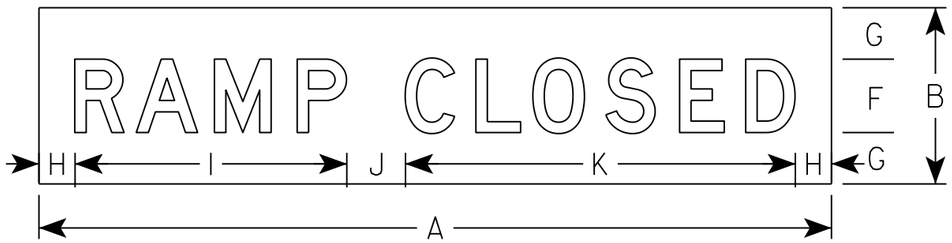
DATE 9/24/15 PLATE NO G20-62.1
520

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G2062.DGN PLOT DATE : 01-DEC-2015 17:53 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 20.431338:1.000000

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Material shall be .040 aluminmum



G20-63

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	72	12				6	3	6	22 1/8	6	31 7/8																6.0
4	108	24				10	7	4 7/8	37	8	53 1/8																18.0
5																											

STANDARD SIGN
G20-63

WISCONSIN DEPT OF TRANSPORTATION

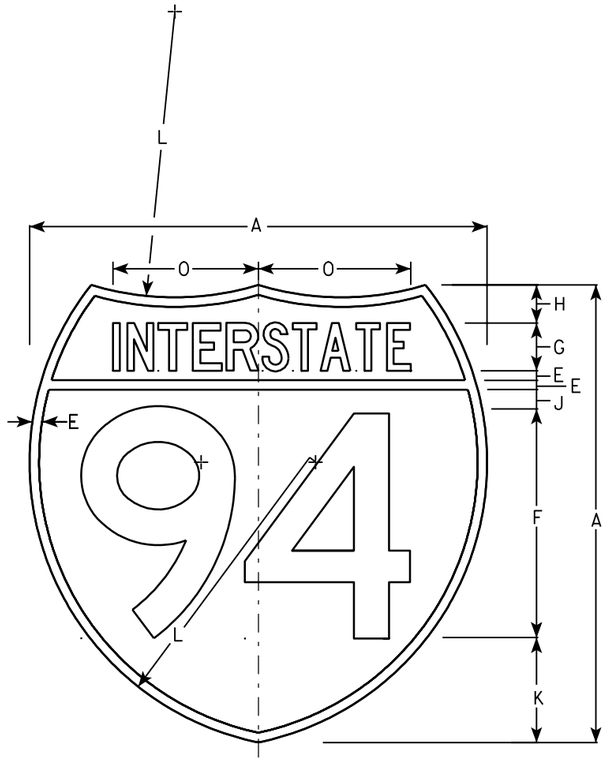
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/8/17 PLATE NO. G20-63.1

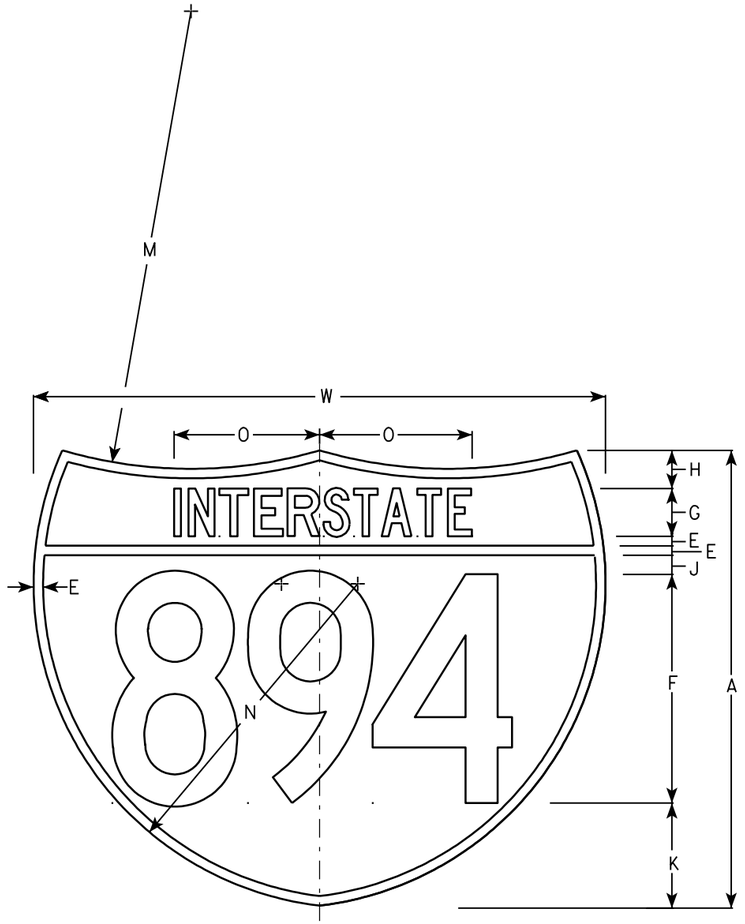
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 521 E

7

7



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

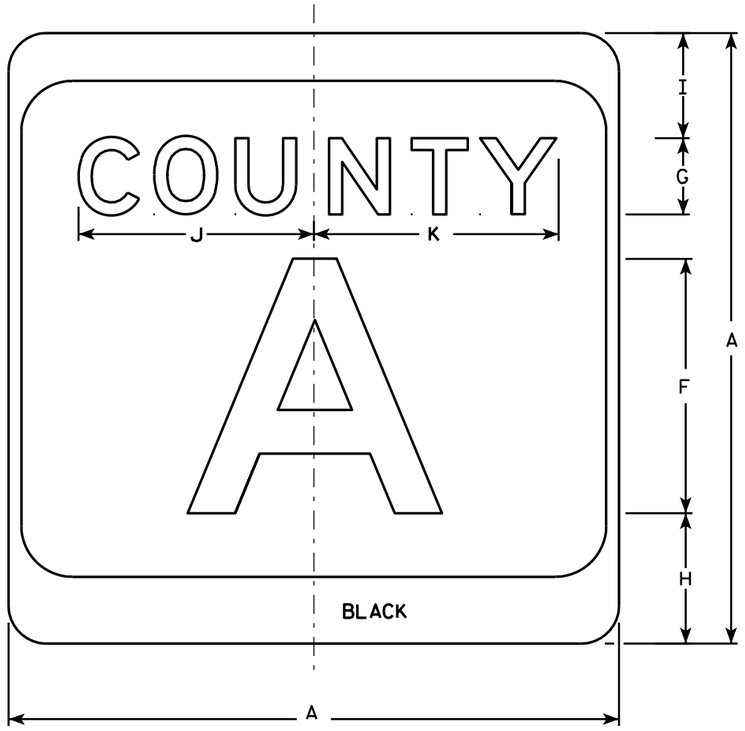
INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

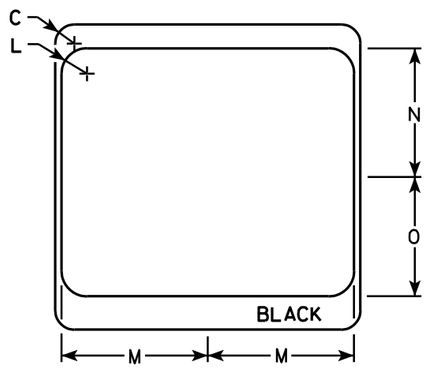
APPROVED Matthew R Rauch
for State Traffic Engineer

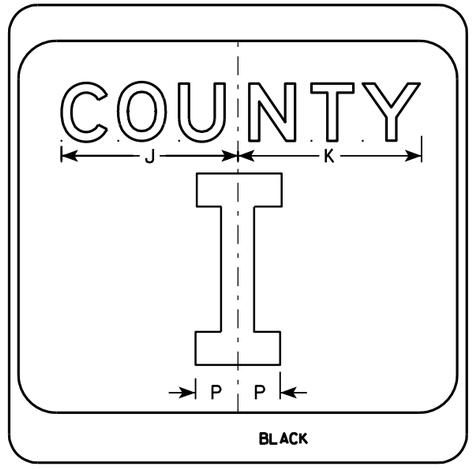
DATE 08/23/05 PLATE NO. M1-1.8

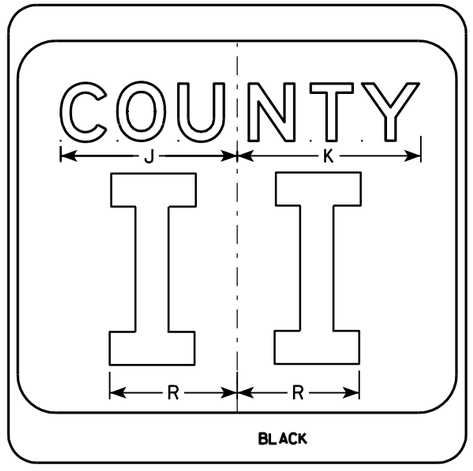
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

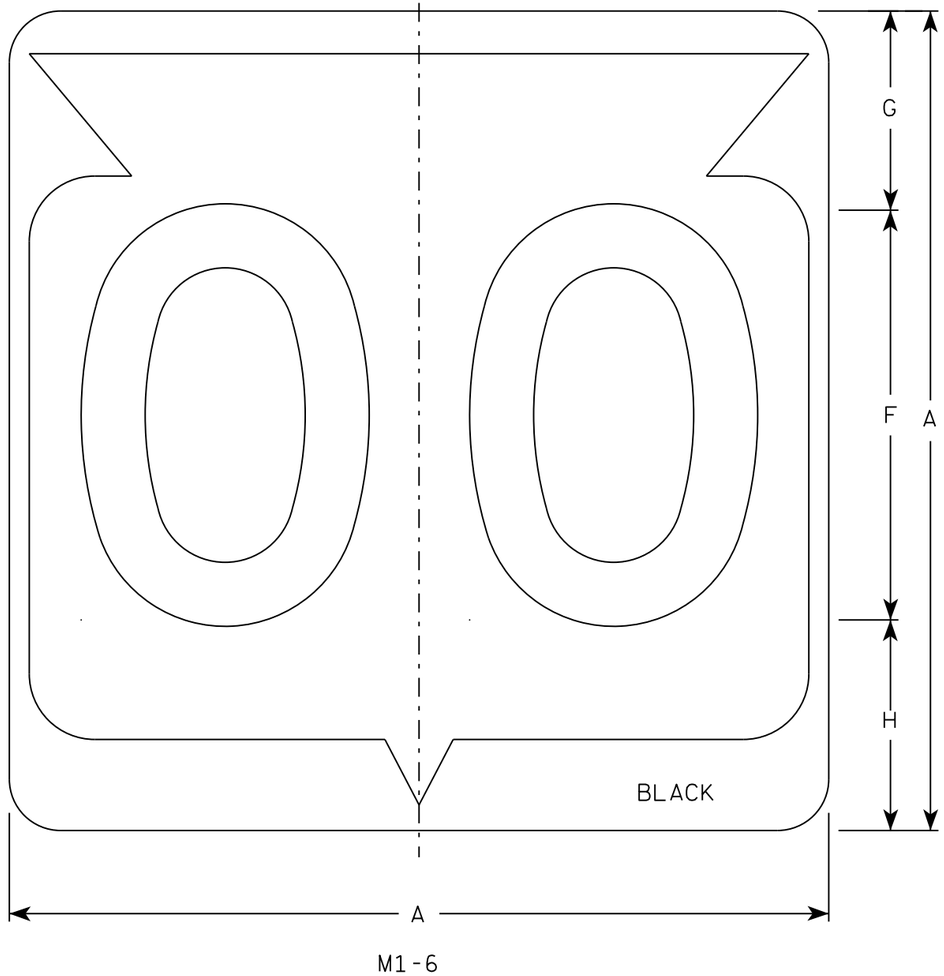
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

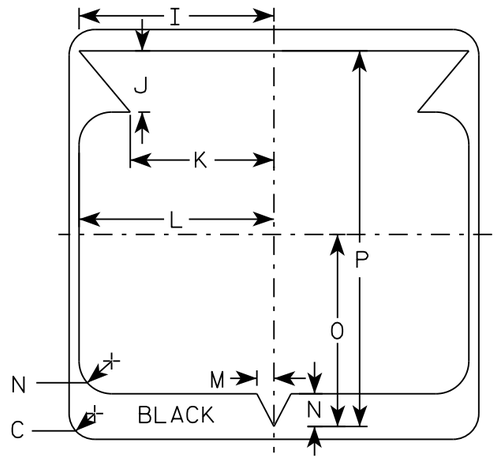
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 523	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
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

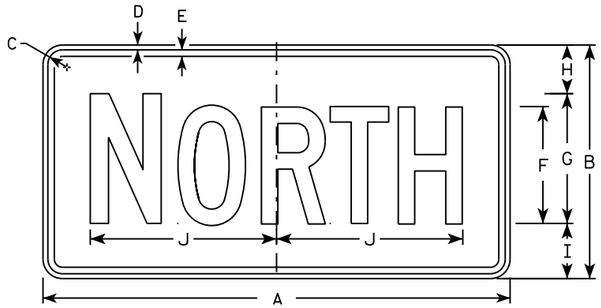
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

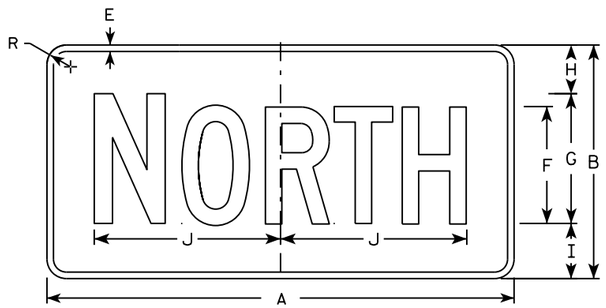
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E



M3-1
MM3-1
MP3-1



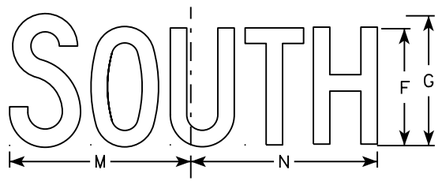
MB3-1
MK3-1
MN3-1



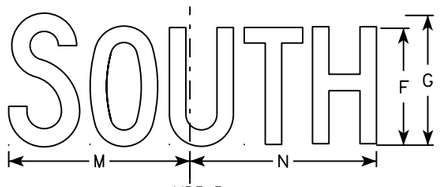
M3-2
MM3-2
MP3-2



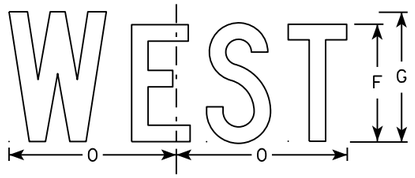
MB3-2
MK3-2
MN3-2



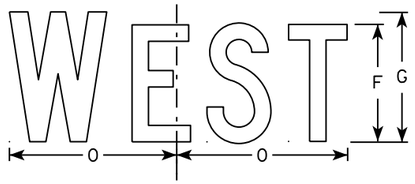
M3-3
MM3-3
MP3-3



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

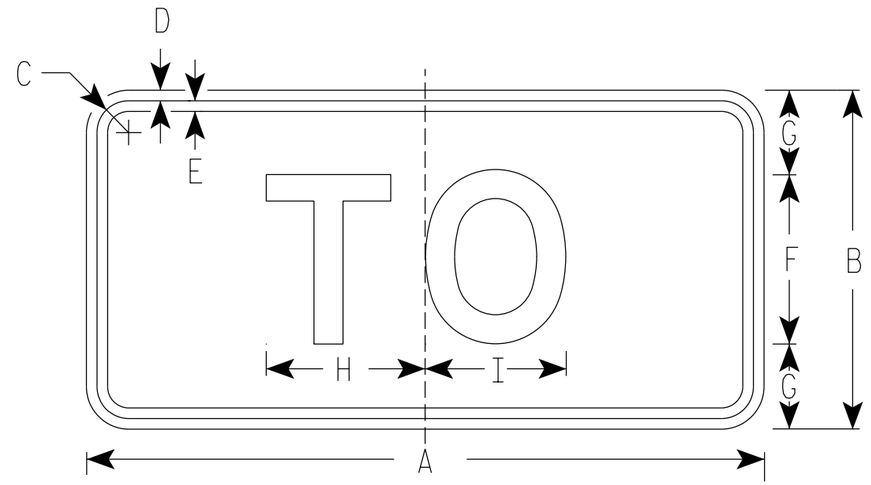
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

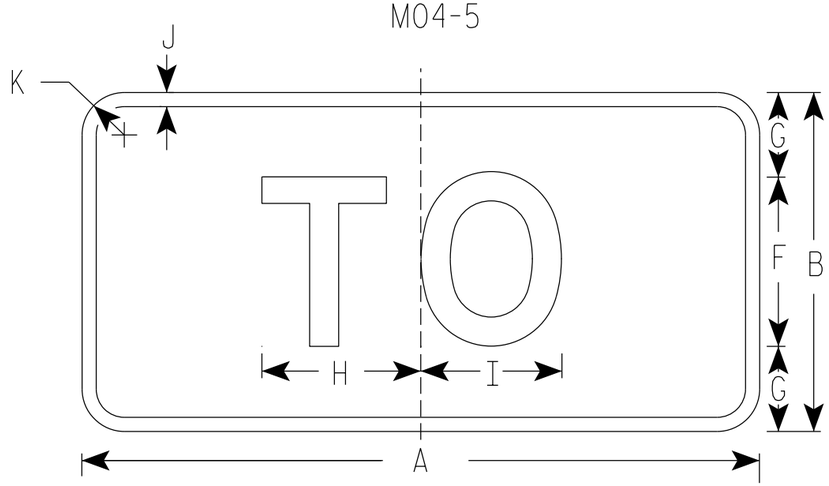
DATE 10/15/15 PLATE NO M3-1.14

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



M4-5
MM4-5
MP4-5
MO4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   MO4-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

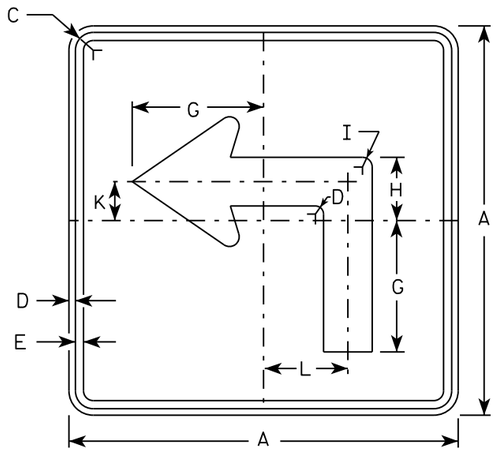
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

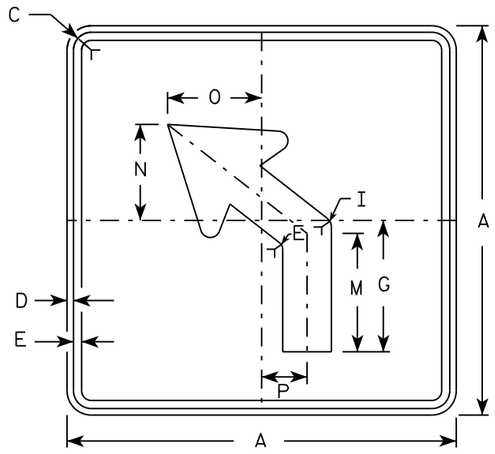
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

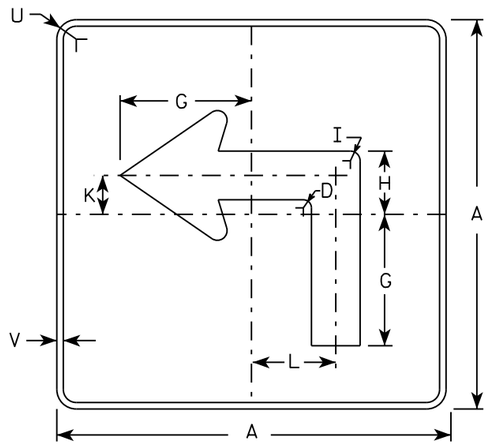
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 526 | E



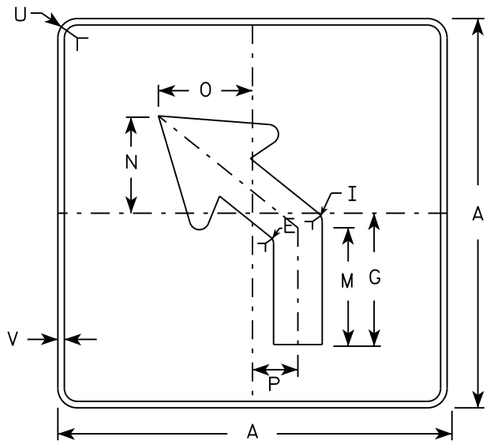
M5-1L
MM5-1L
MO5-1L
MP5-1L



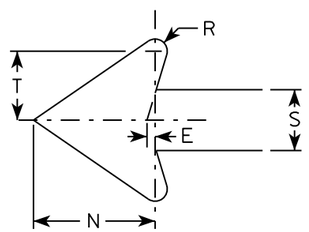
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

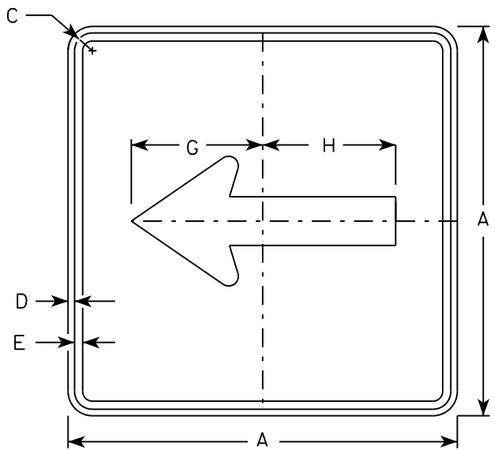
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

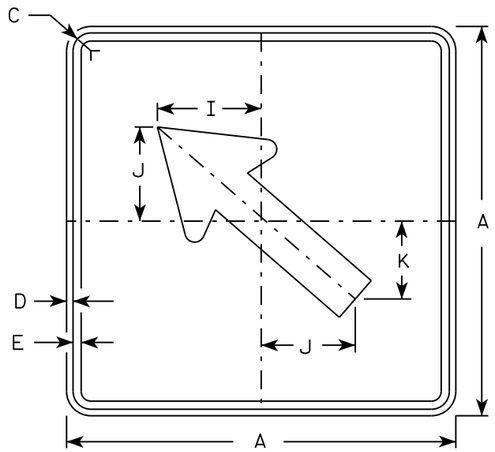
DATE 10/15/15 PLATE NO. M5-1.13

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



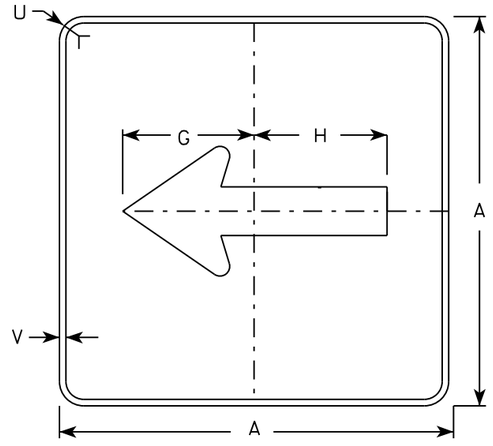
M6-1
MM6-1
MO6-1
MP6-1



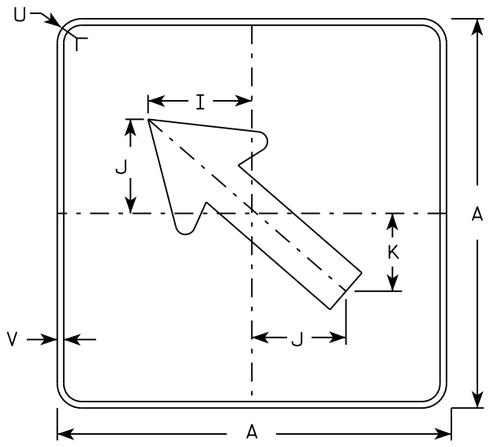
M6-2
MM6-2
MO6-2
MP6-2

NOTES

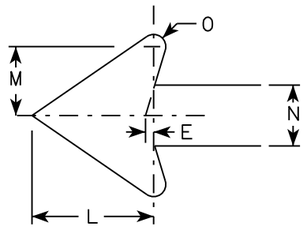
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

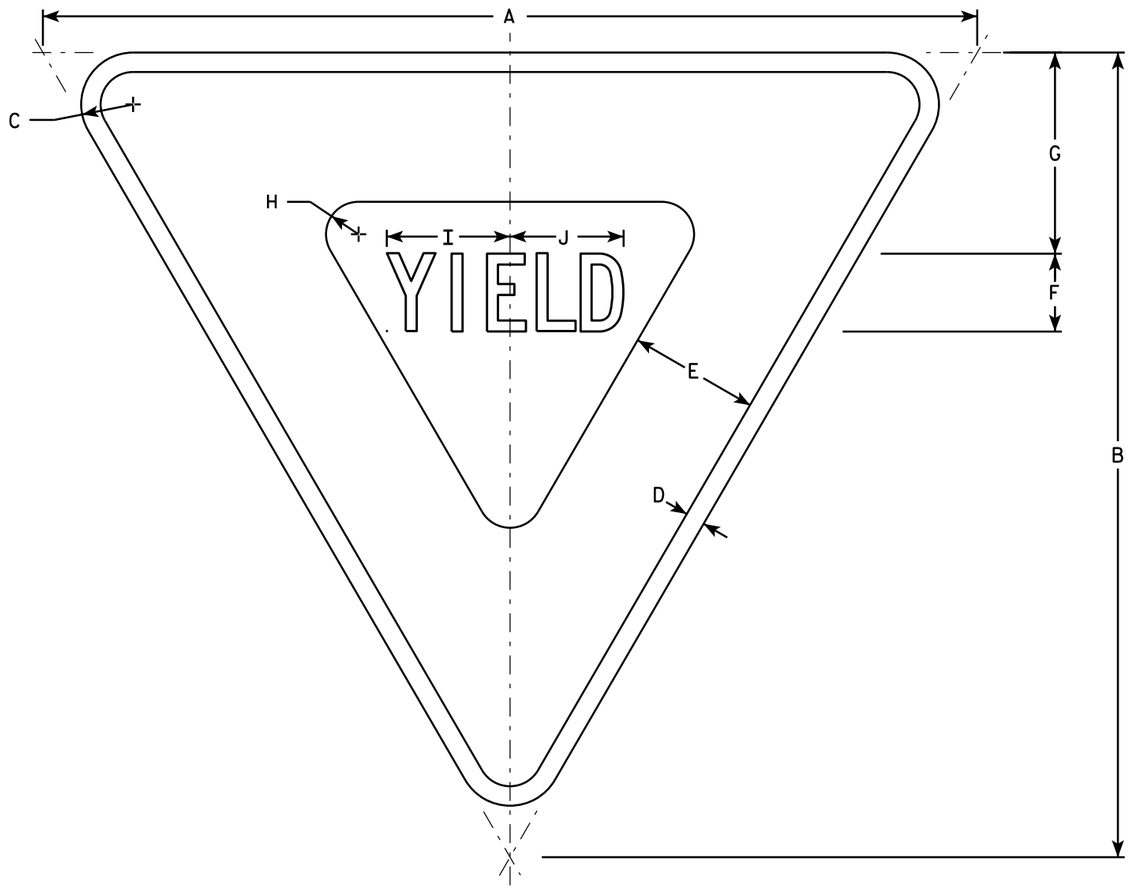
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 528 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



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

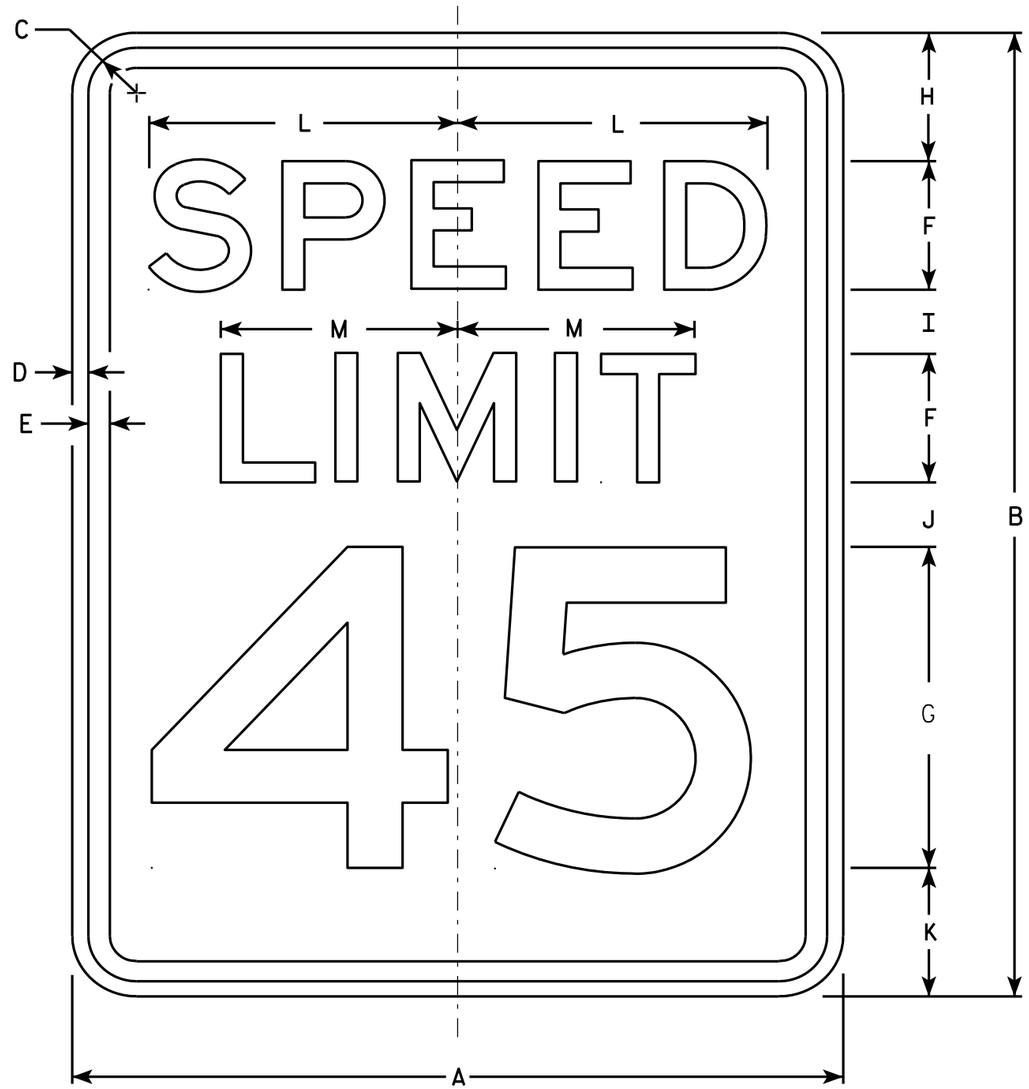
WISCONSIN DEPT OF TRANSPORTATION

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

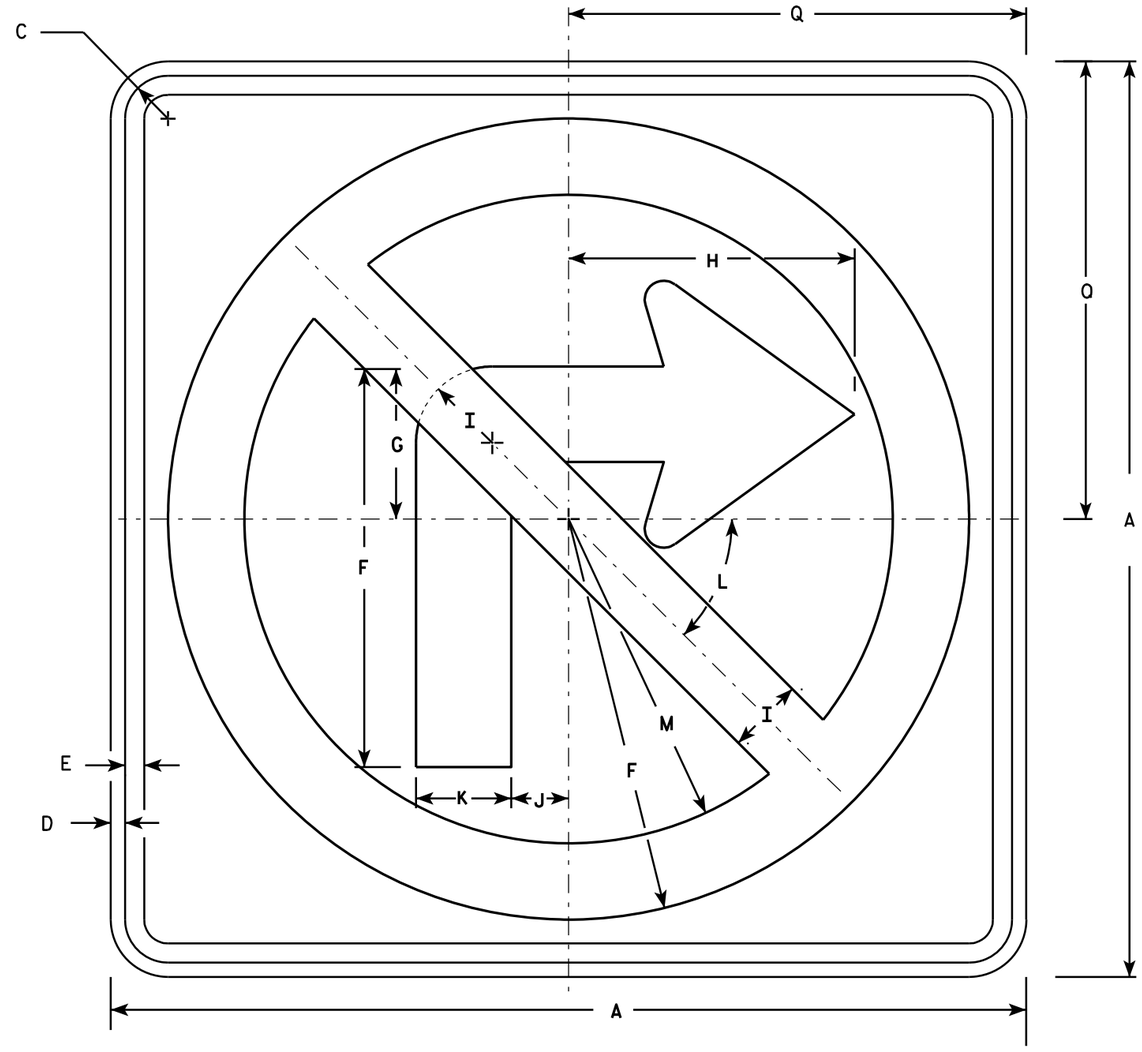
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

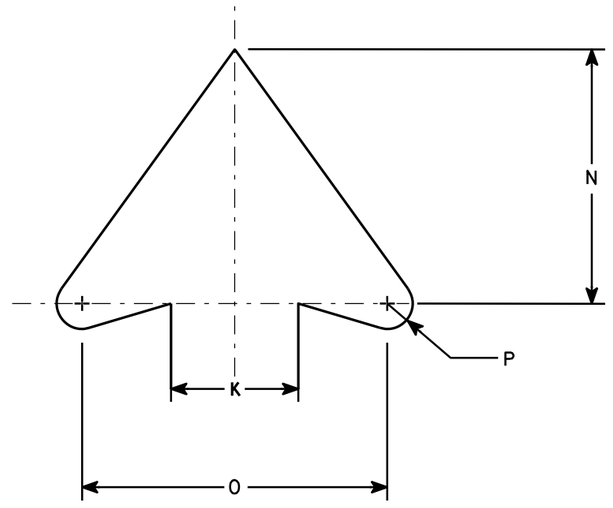
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 530	E



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

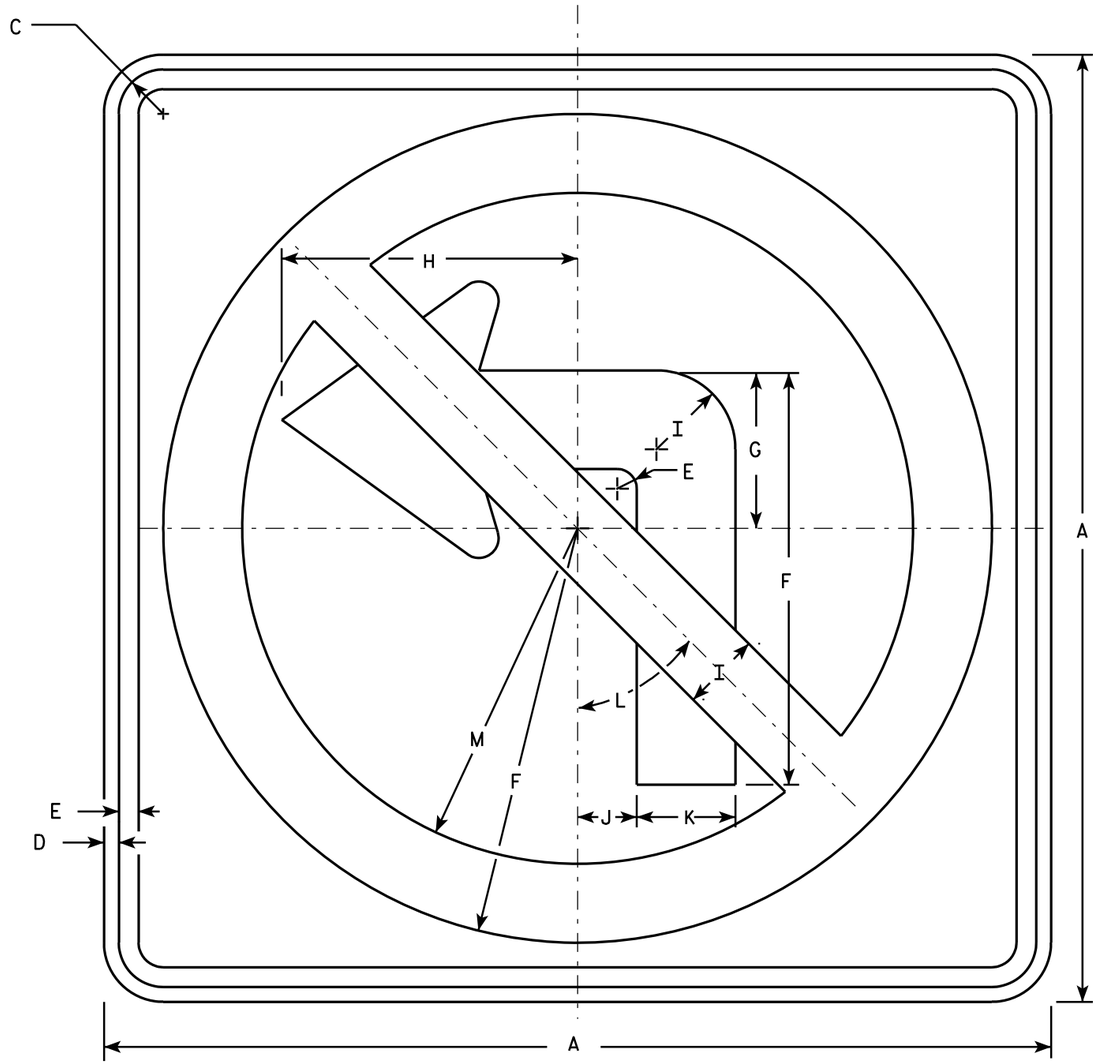
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

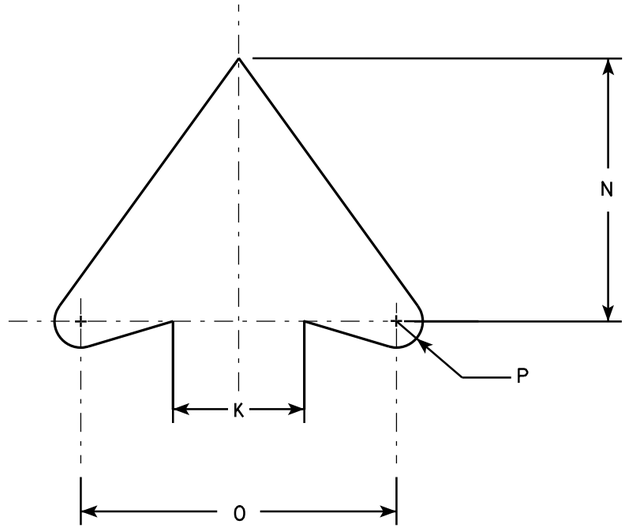
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 531	E



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

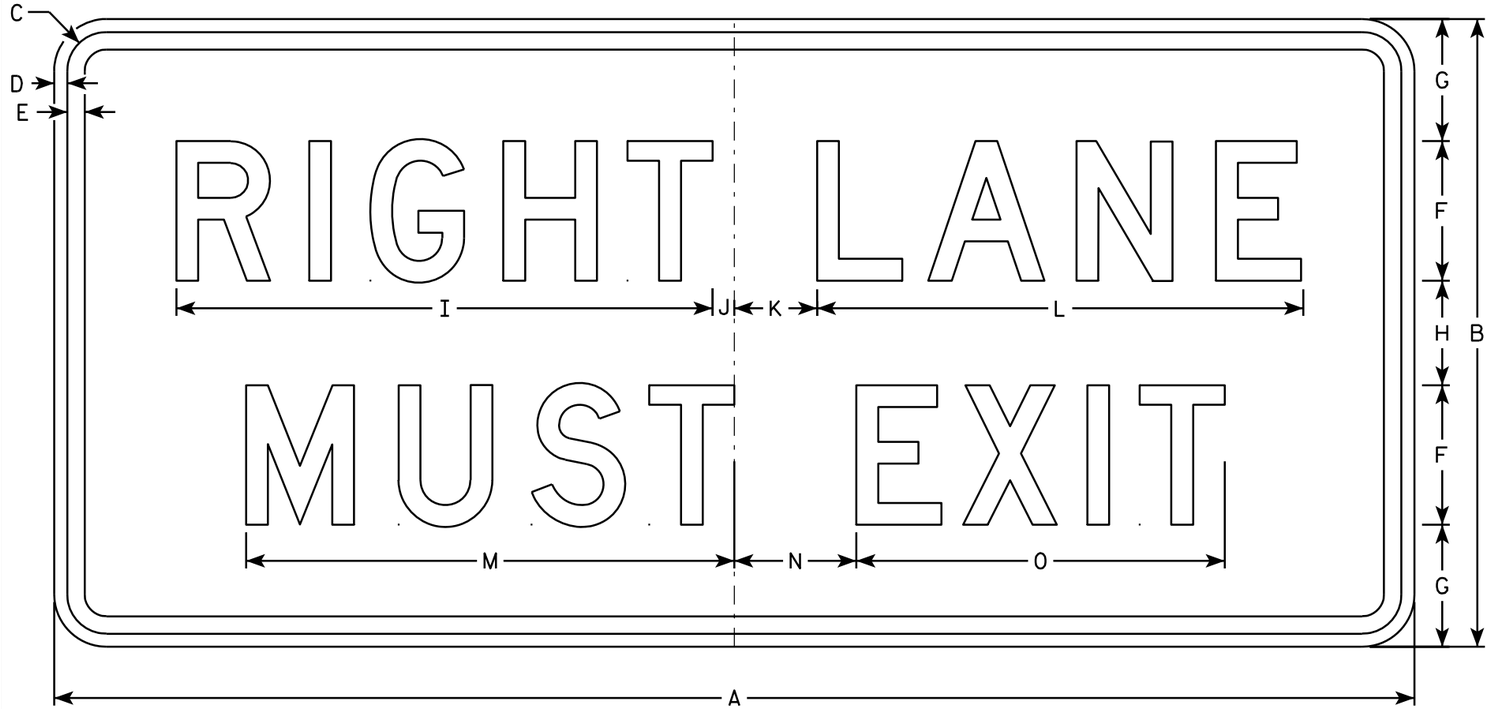
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

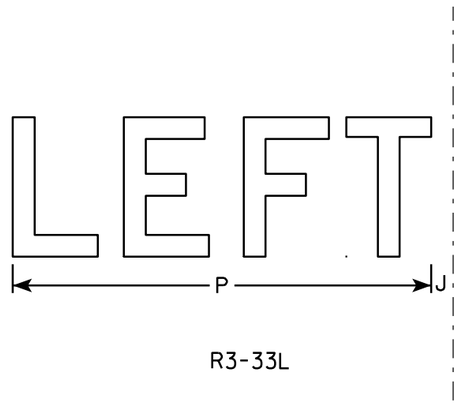
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 532	E



R3-33R



R3-33L

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.

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																											
2M																											
3																											
4	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5
5	78	36	2 1/4	3/4	1	8	7	6	30 3/4	1 1/4	4 3/4	27 7/8	28	7	21 1/8	24											19.5

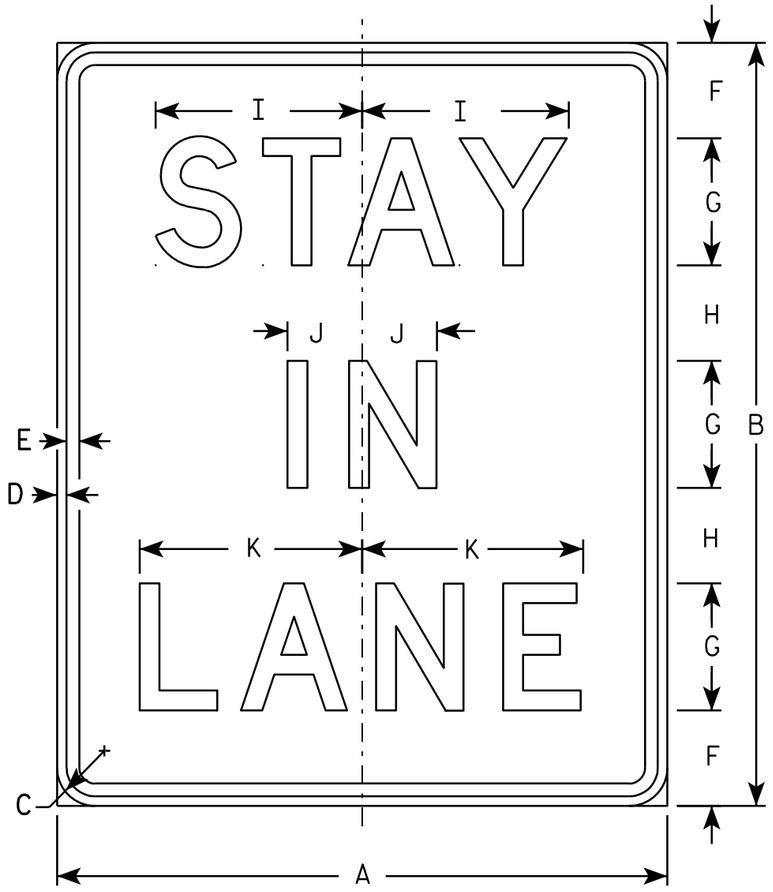
STANDARD SIGN
R3-33

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/7/10 PLATE NO. R3-33.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 533 | E



R4-9

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 - 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	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

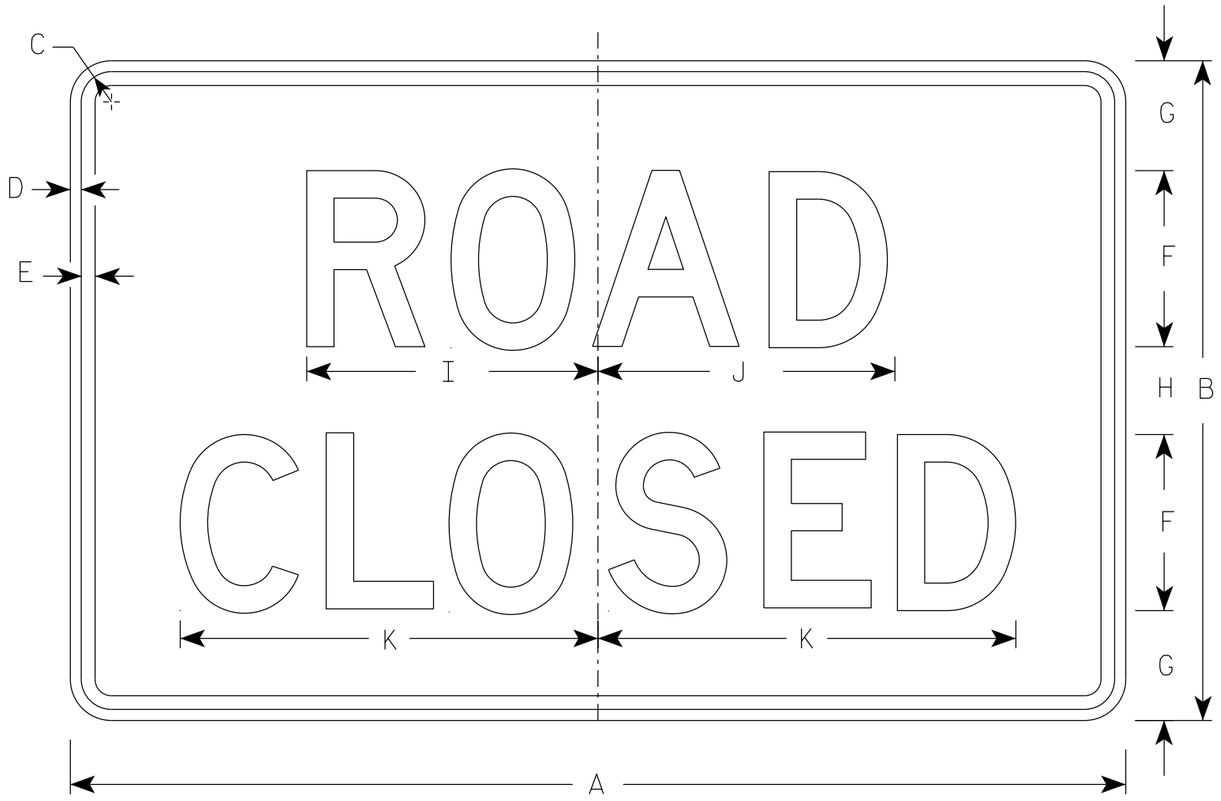
SHEET NO: 534 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R49.DGN PLOT DATE : 25-MAR-2011 14:17 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

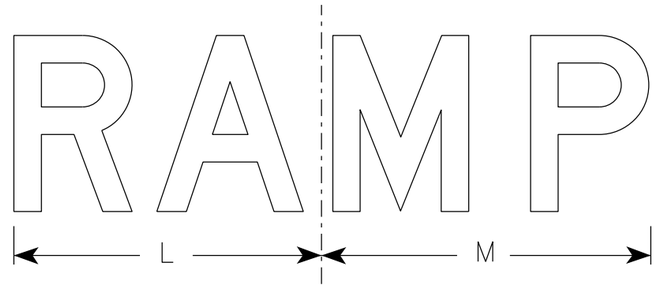
7



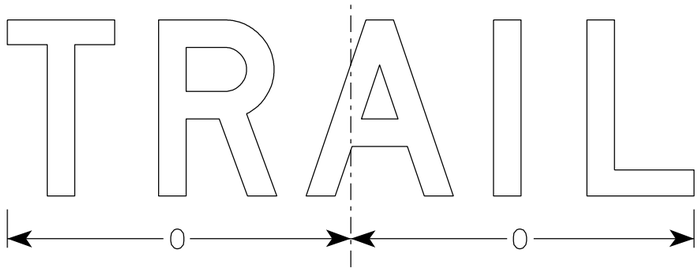
R11-2

NOTES

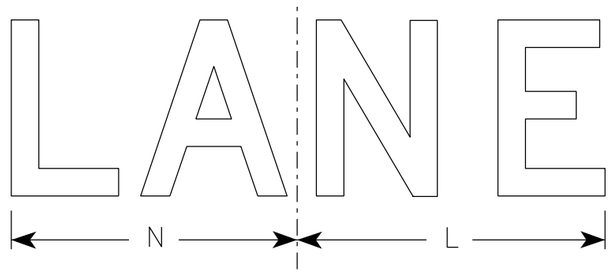
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

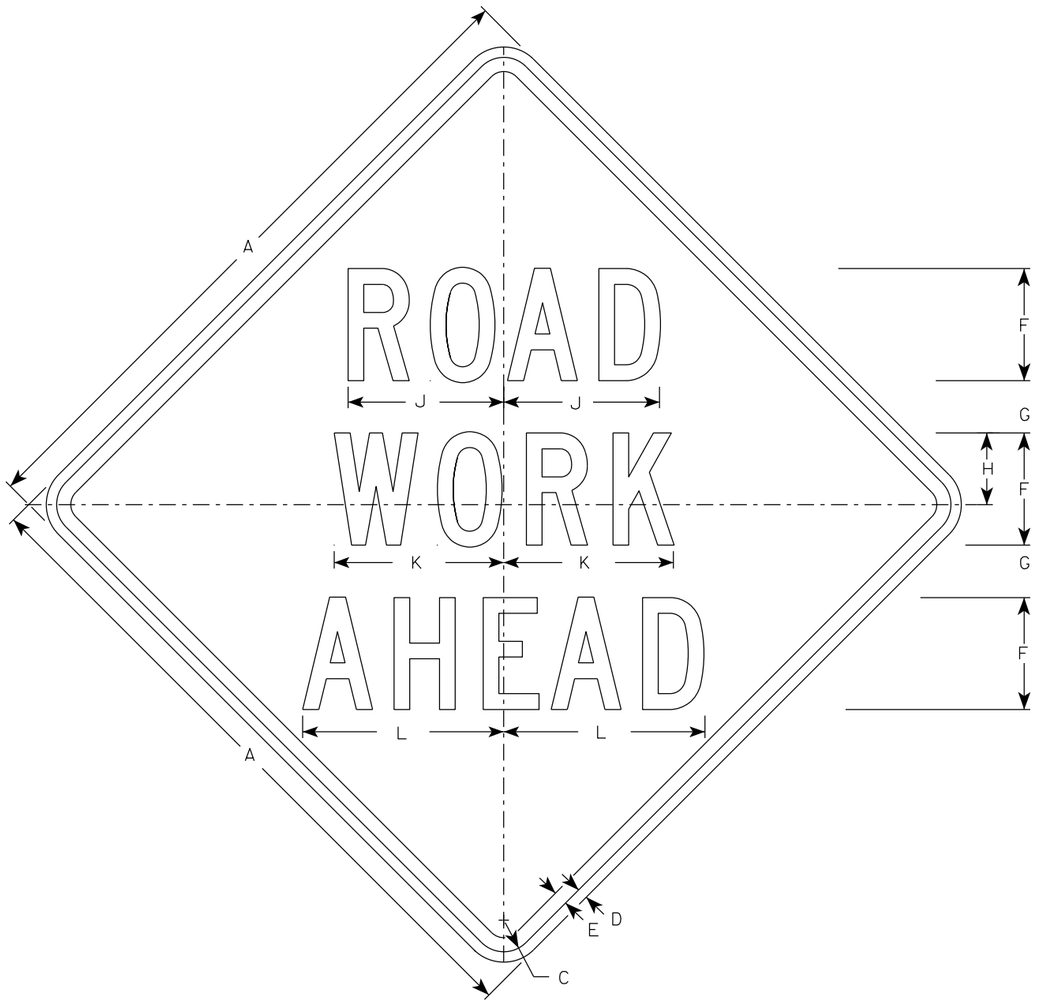
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

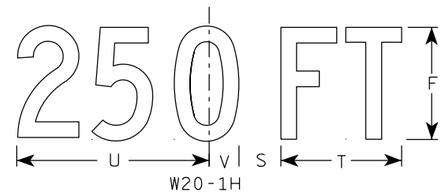
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 535	E

NOTES

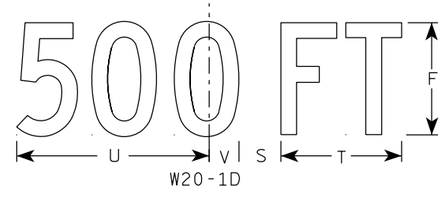
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



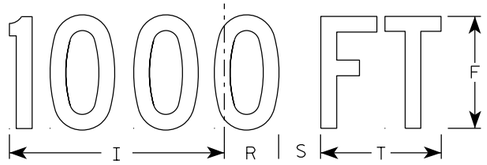
W20-1A



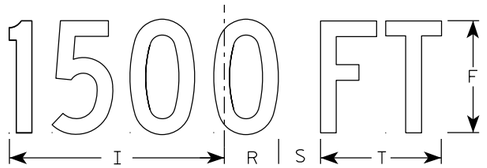
W20-1H



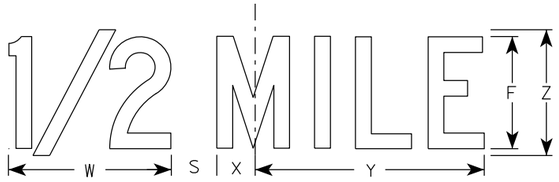
W20-1D



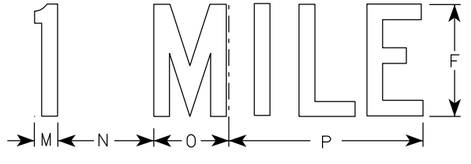
W20-1C



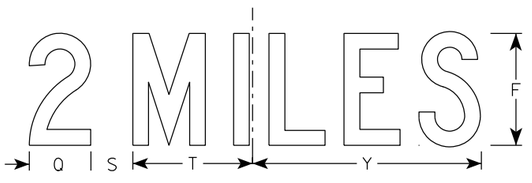
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		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:

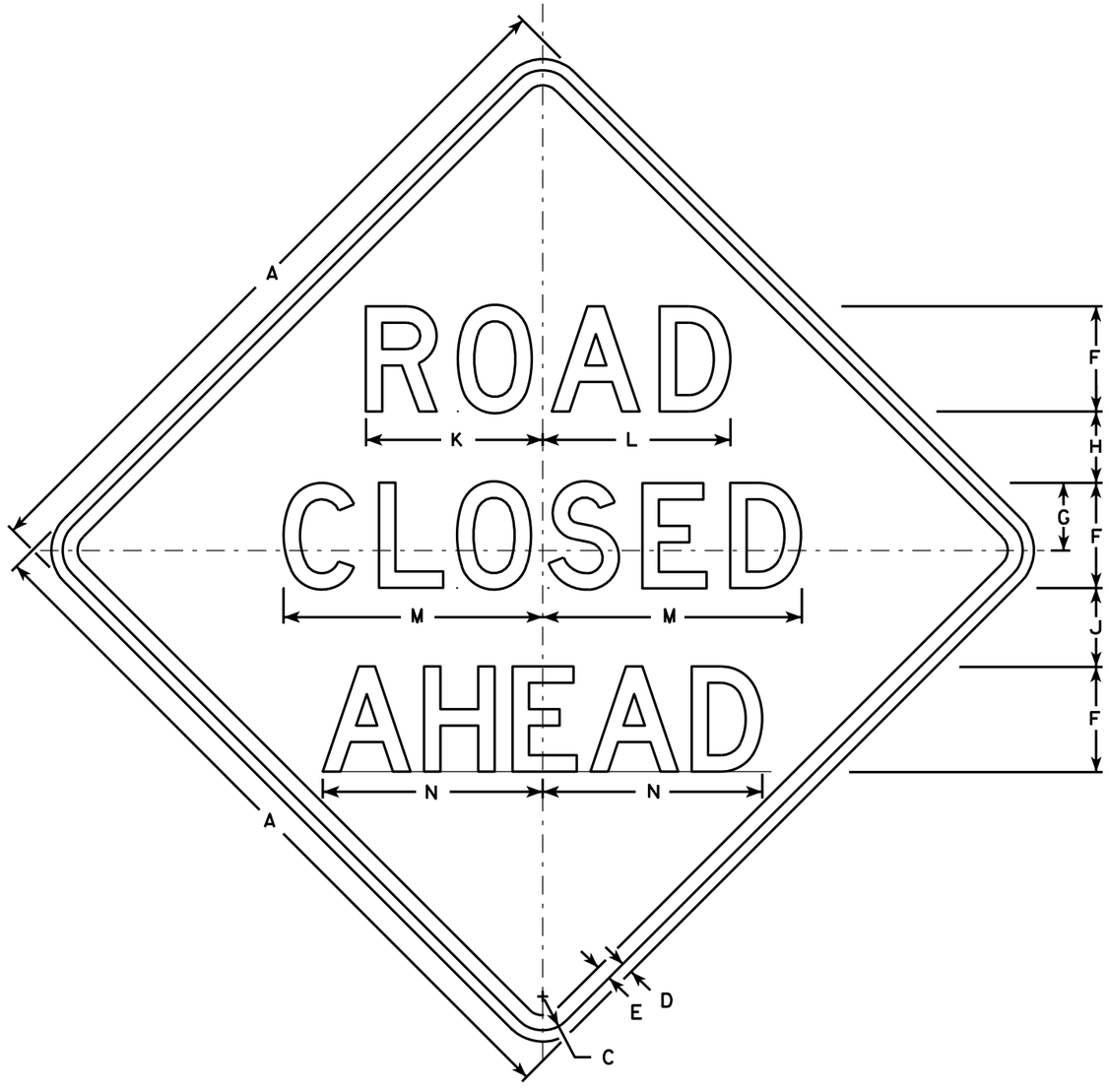
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

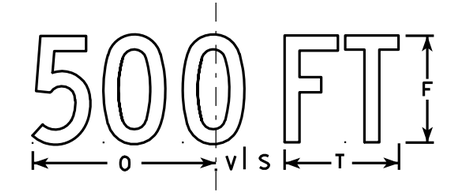
WISDOT/CADDS SHEET 42

7

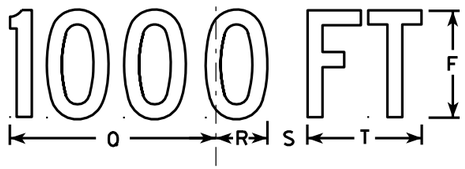
7



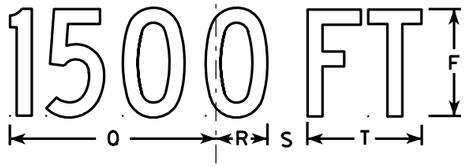
W20-3A



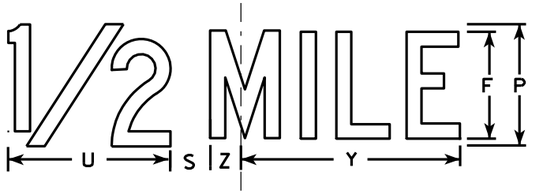
W20-3D



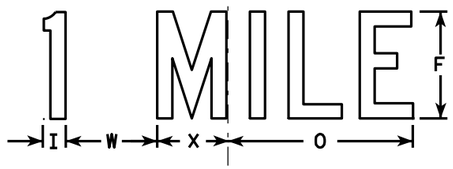
W20-3C



W20-3B



W20-3G



W20-3F

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	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

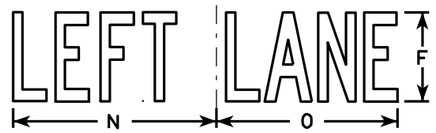
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

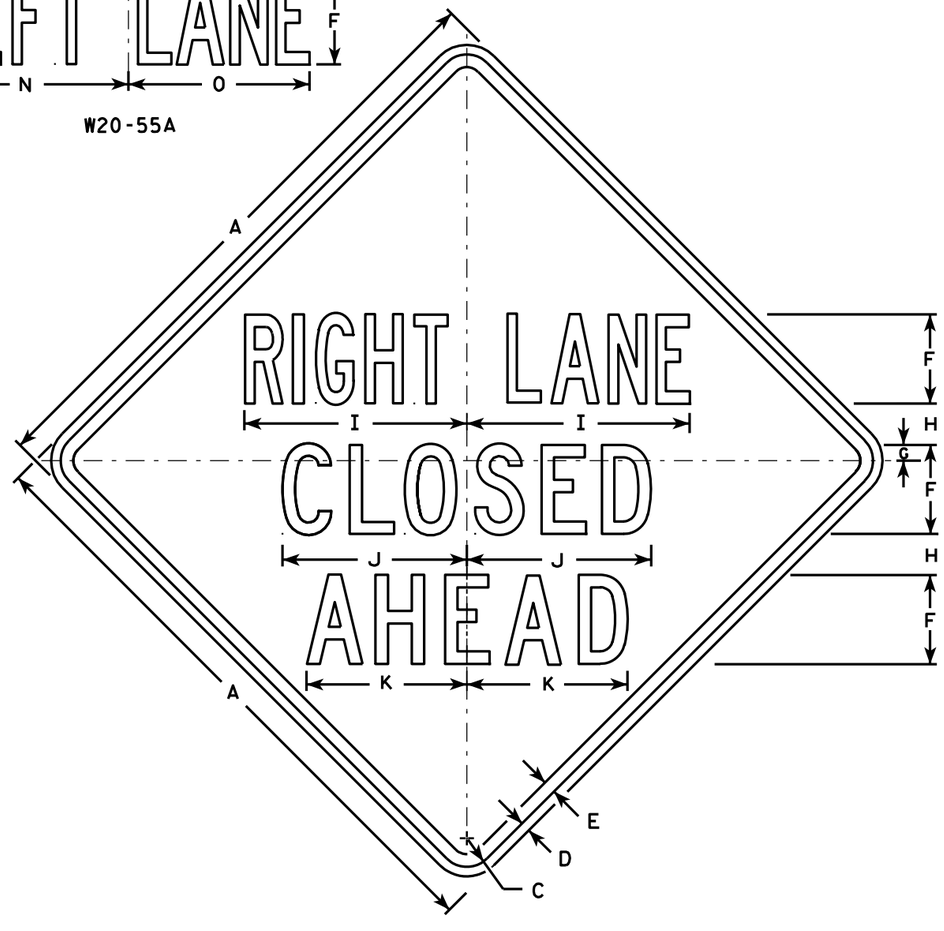
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 537 | E



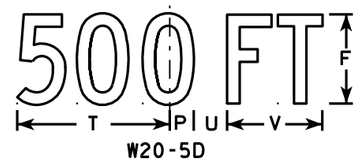
W20-56A



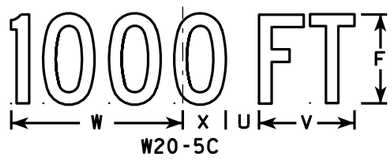
W20-55A



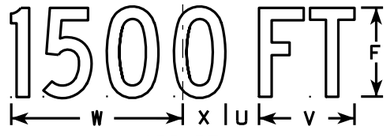
W20-5A



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

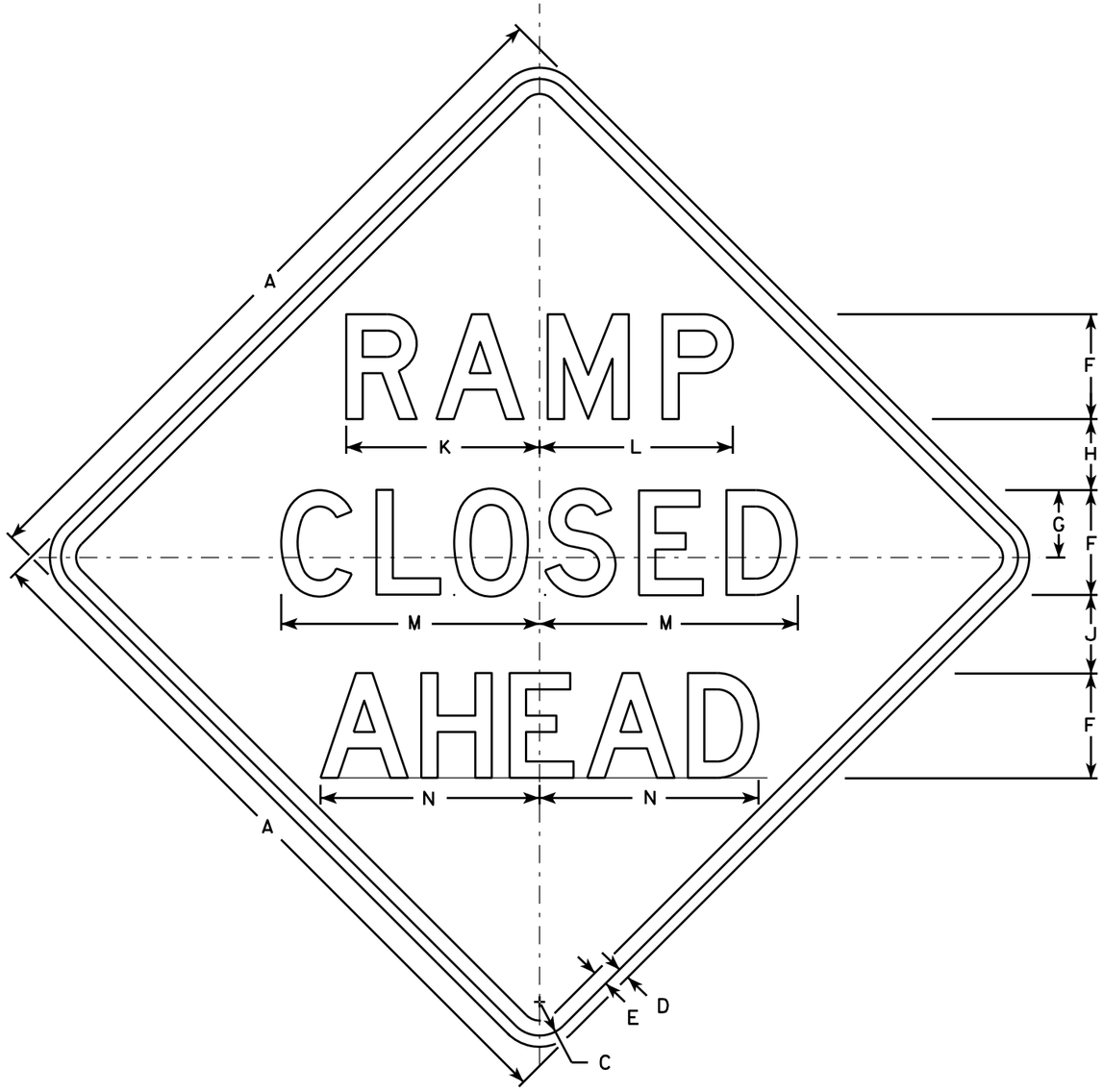
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

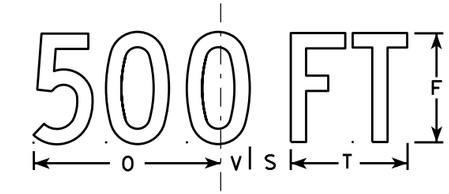
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 538 | E

7

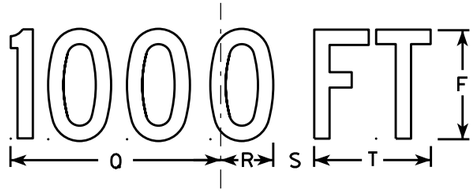
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



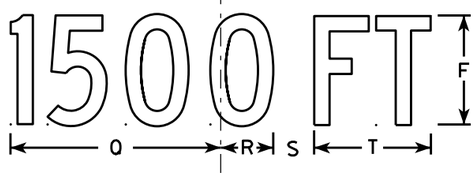
W20-53A



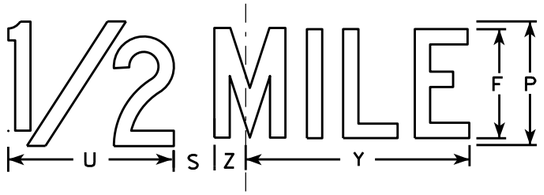
W20-53D



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

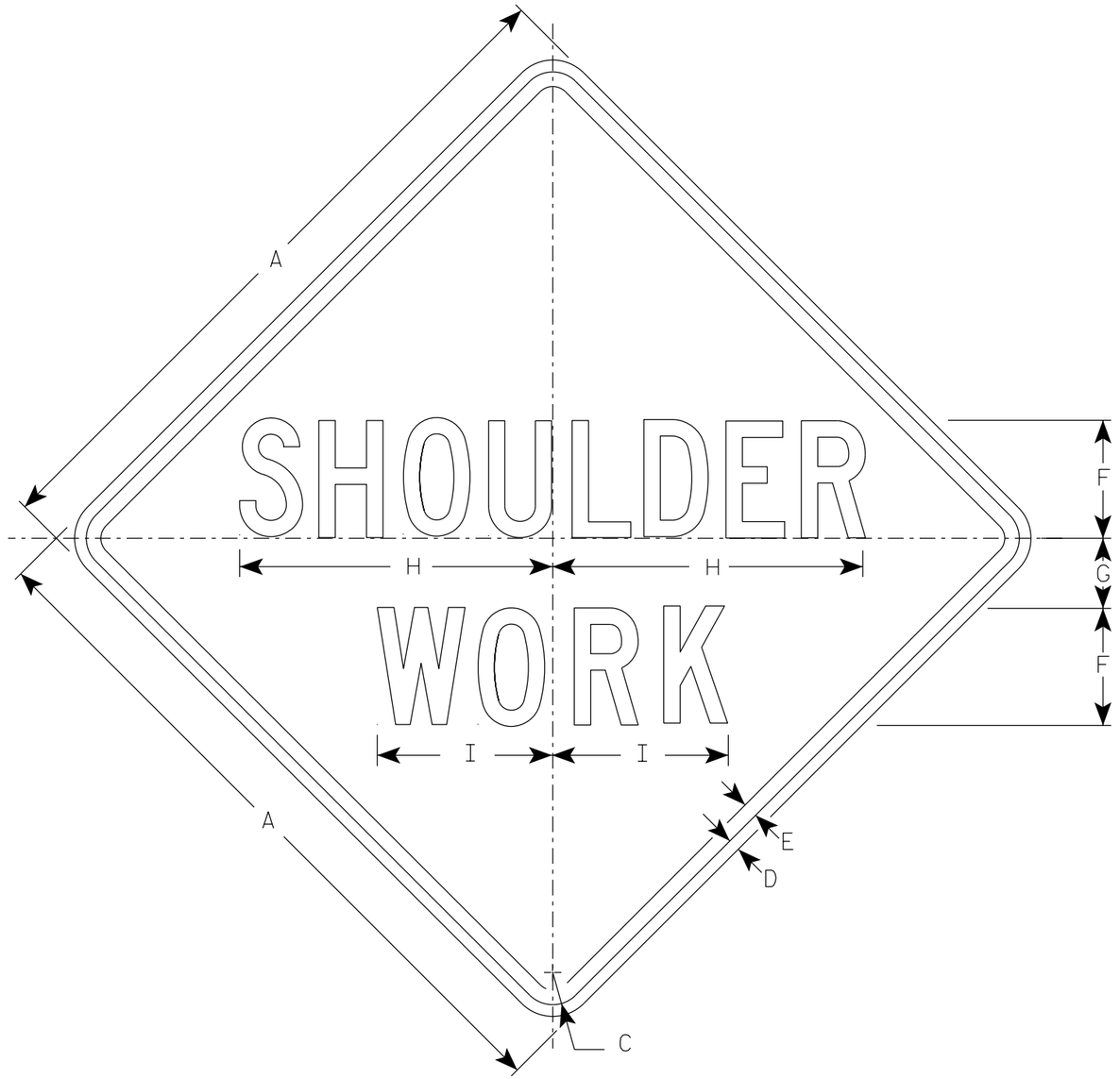
WISCONSIN DEPT OF TRANSPORTATION

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

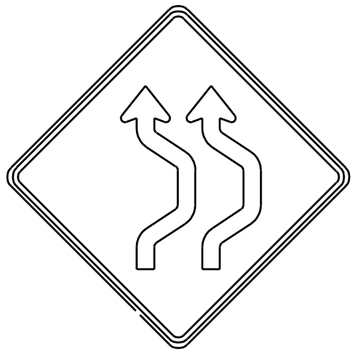
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

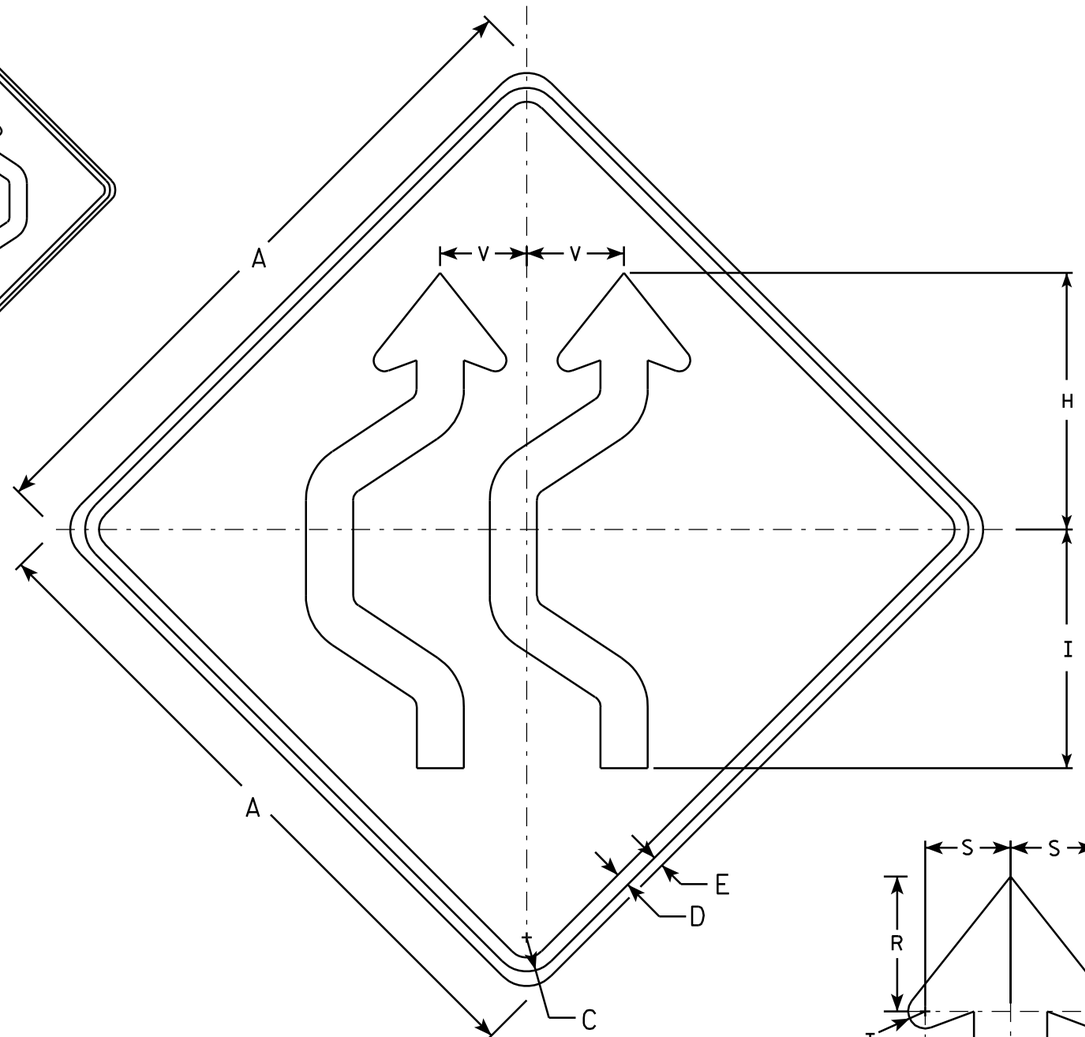
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

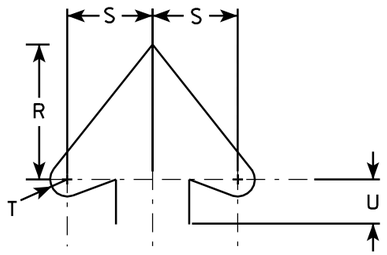
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 540	E



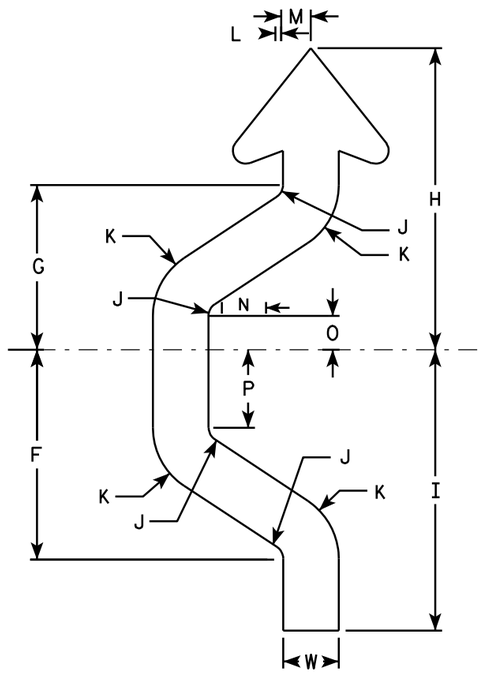
W24-1AR



W24-1AL



Arrowhead Detail



Arrow Detail

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. W24-1R is the same as W24-1L except 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 3/8	5/8	1/2	9 1/2	7 1/2	13 3/4	12 3/4	5/8	3 1/8	3/8	1 5/8	2 3/8	1 1/2	3 1/2		4 5/8	3	5/8	1 1/2	4 3/4	2 1/2				9
2S	48		2 1/4	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16
2M	48		2 1/4	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16
3	48		2 1/4	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16
4	48		2 1/4	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16
5	48		2 1/4	1	3/4	12 7/8	10 1/8	18 1/2	17 1/4	7/8	4 1/4	3/8	2 1/8	3 1/4	2	4 3/4		6 1/4	4	3/4	2 1/8	6 1/4	3 3/8				16

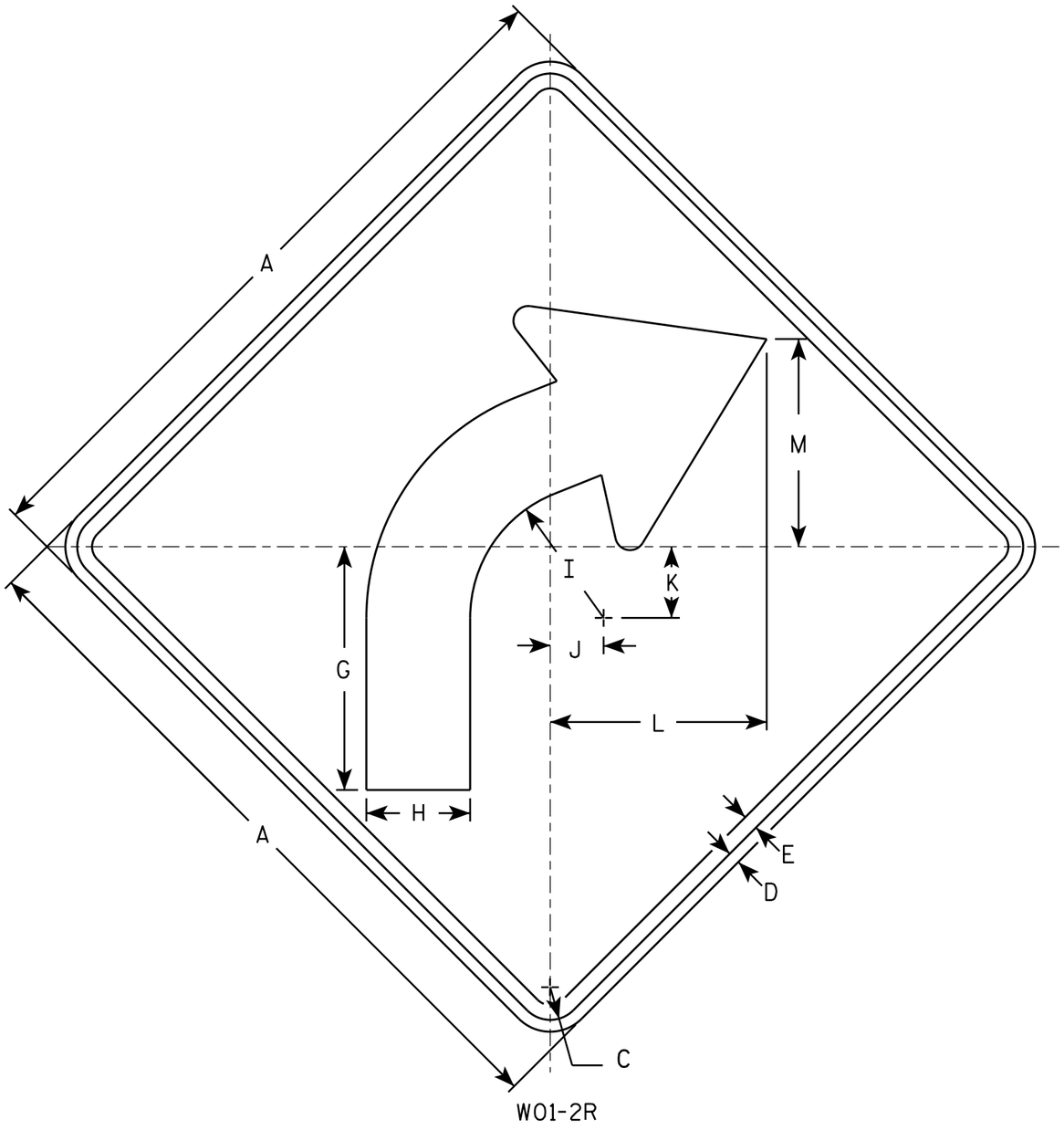
STANDARD SIGN
W24-1AL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W24-1AL.2

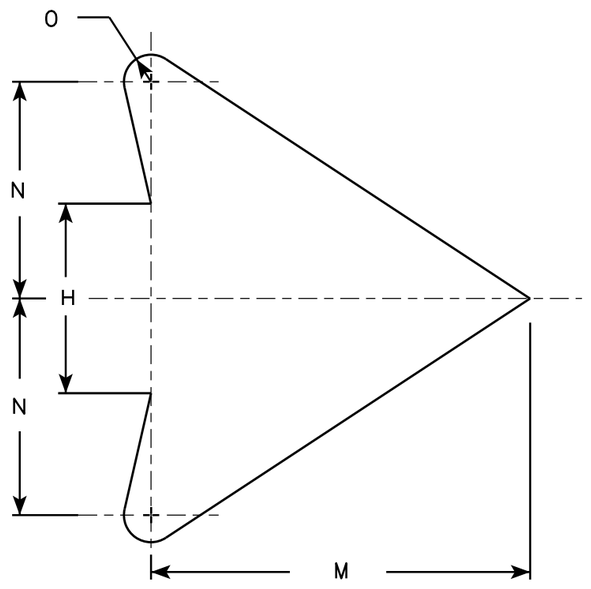
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 541 | E



W01-2R

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. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

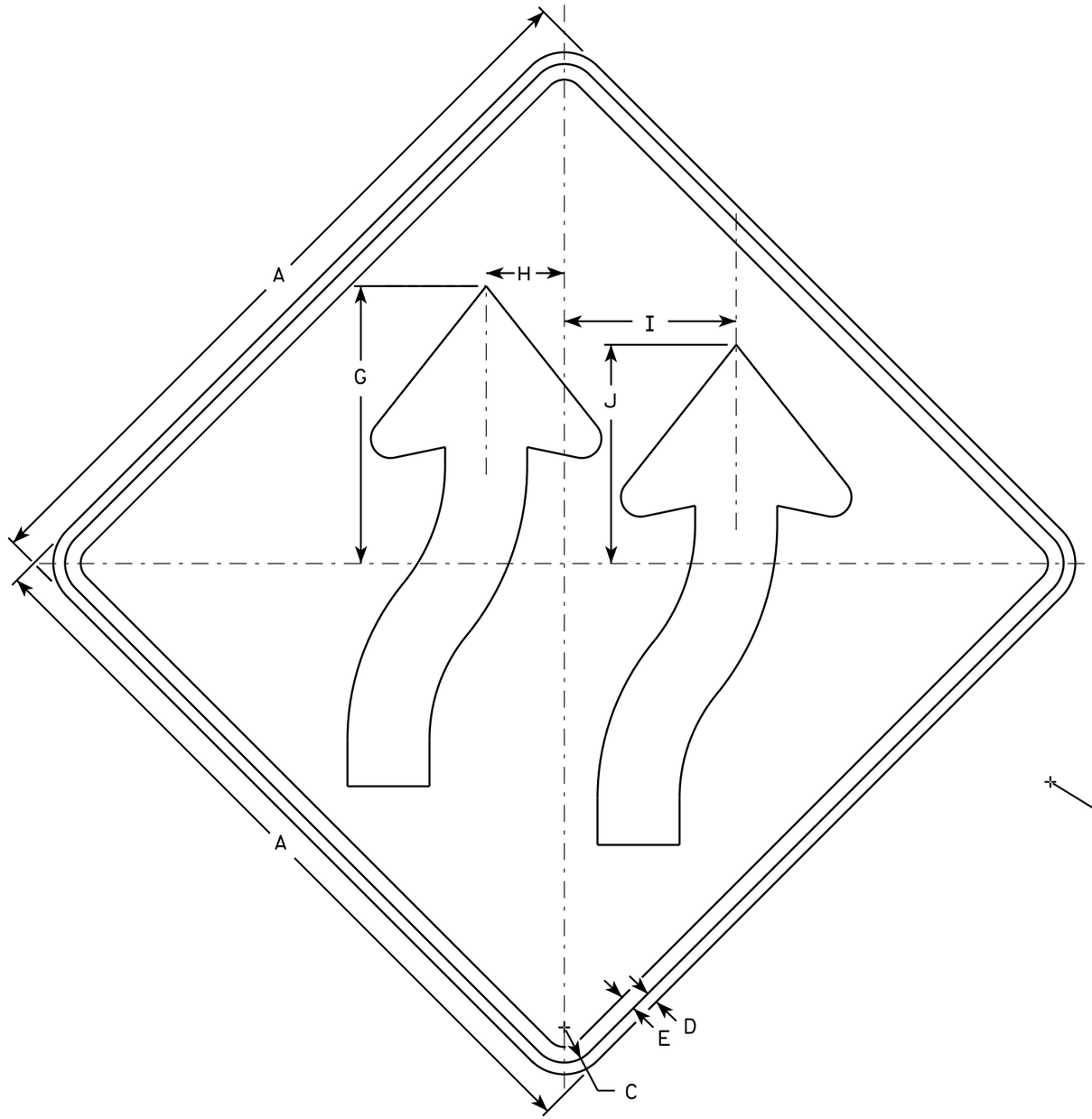
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

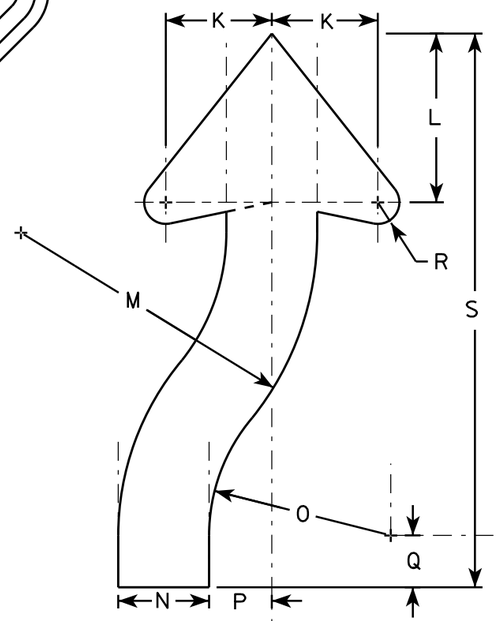
DATE 11/18/13 PLATE NO W01-1.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000 WISDOT/CADDS SHEET 42



W01-4bR



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. W01-4bL is the same as W014-bR exept arrows are 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		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

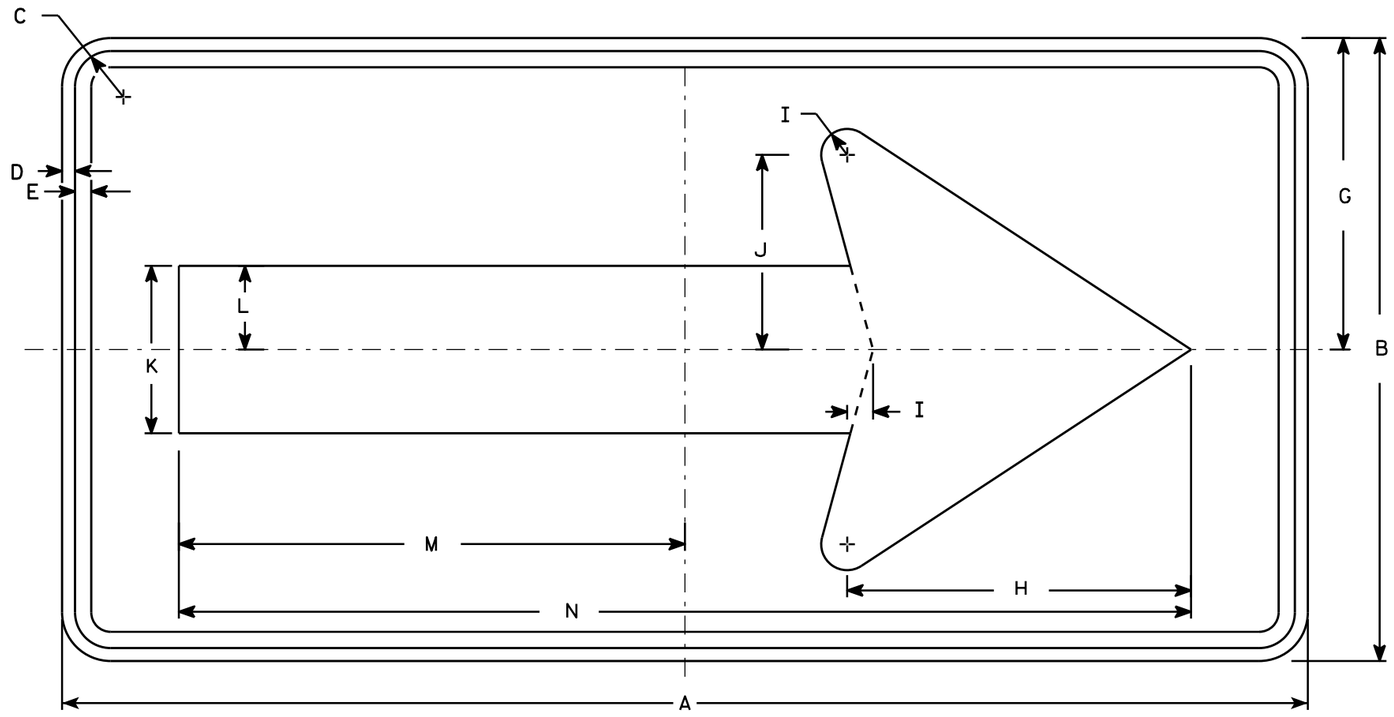
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

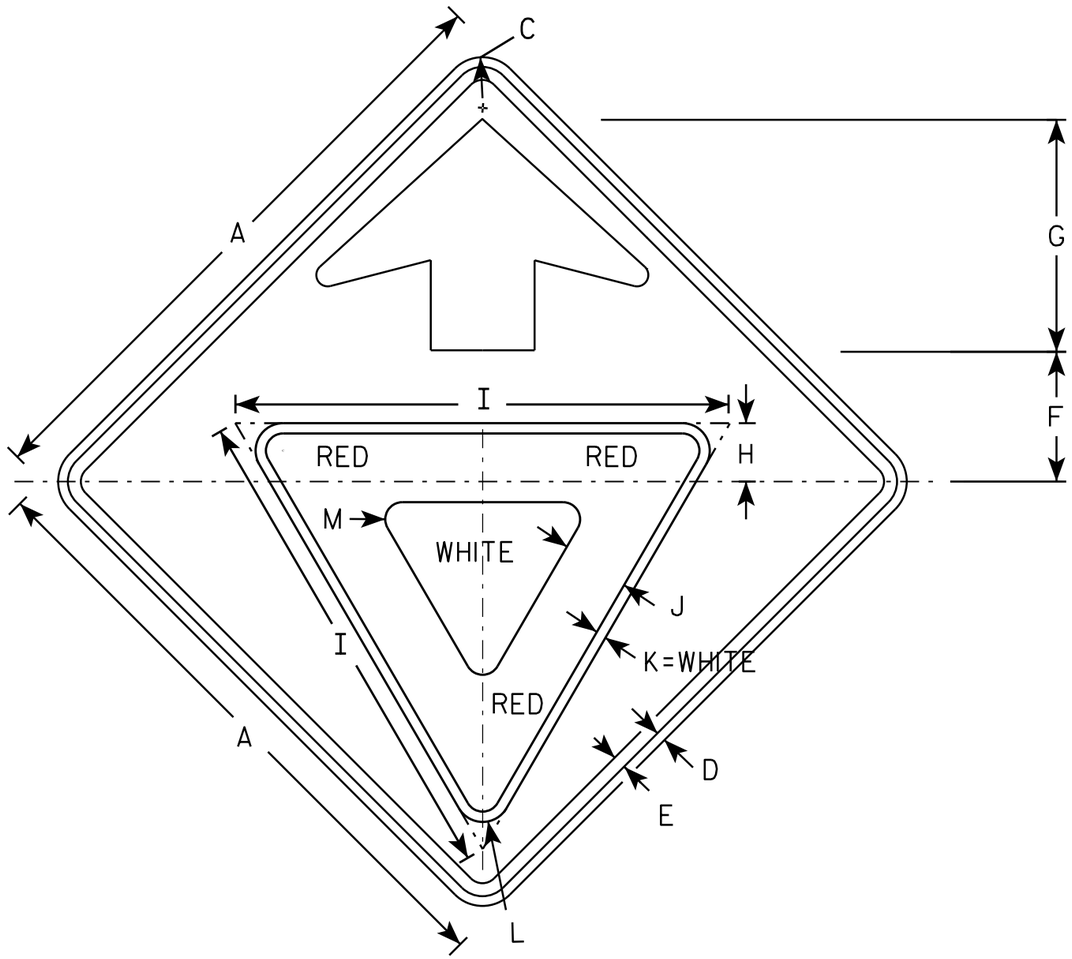
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-6.1

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

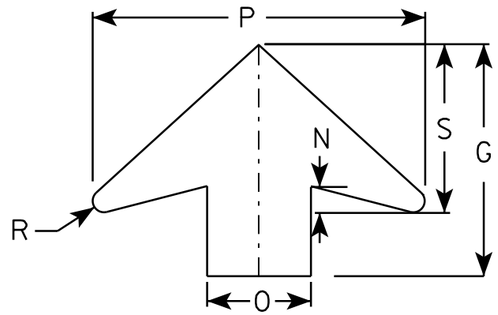
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



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

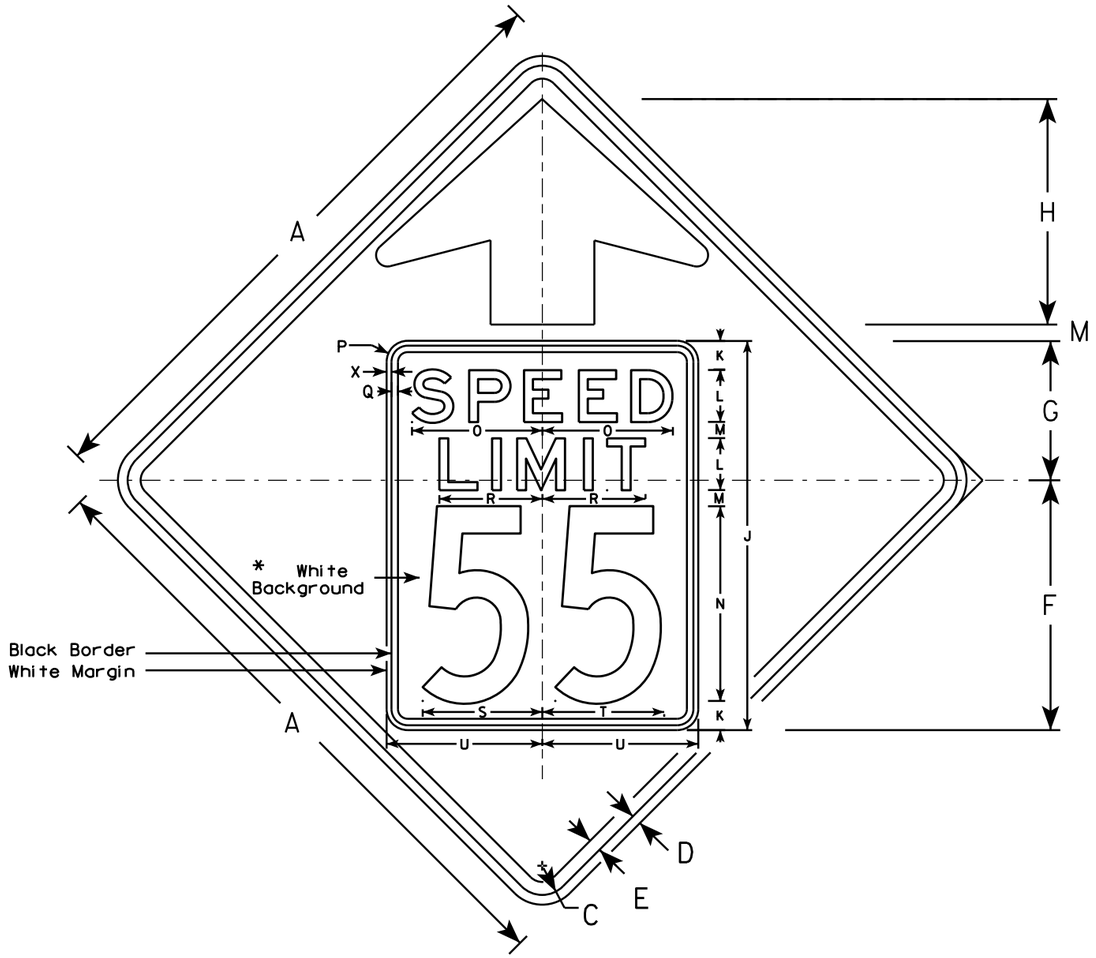
STANDARD SIGN
W03-2

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

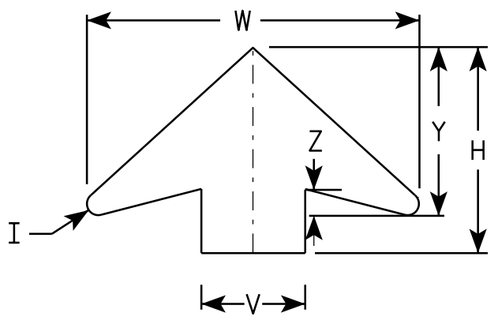


W03-5

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 for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

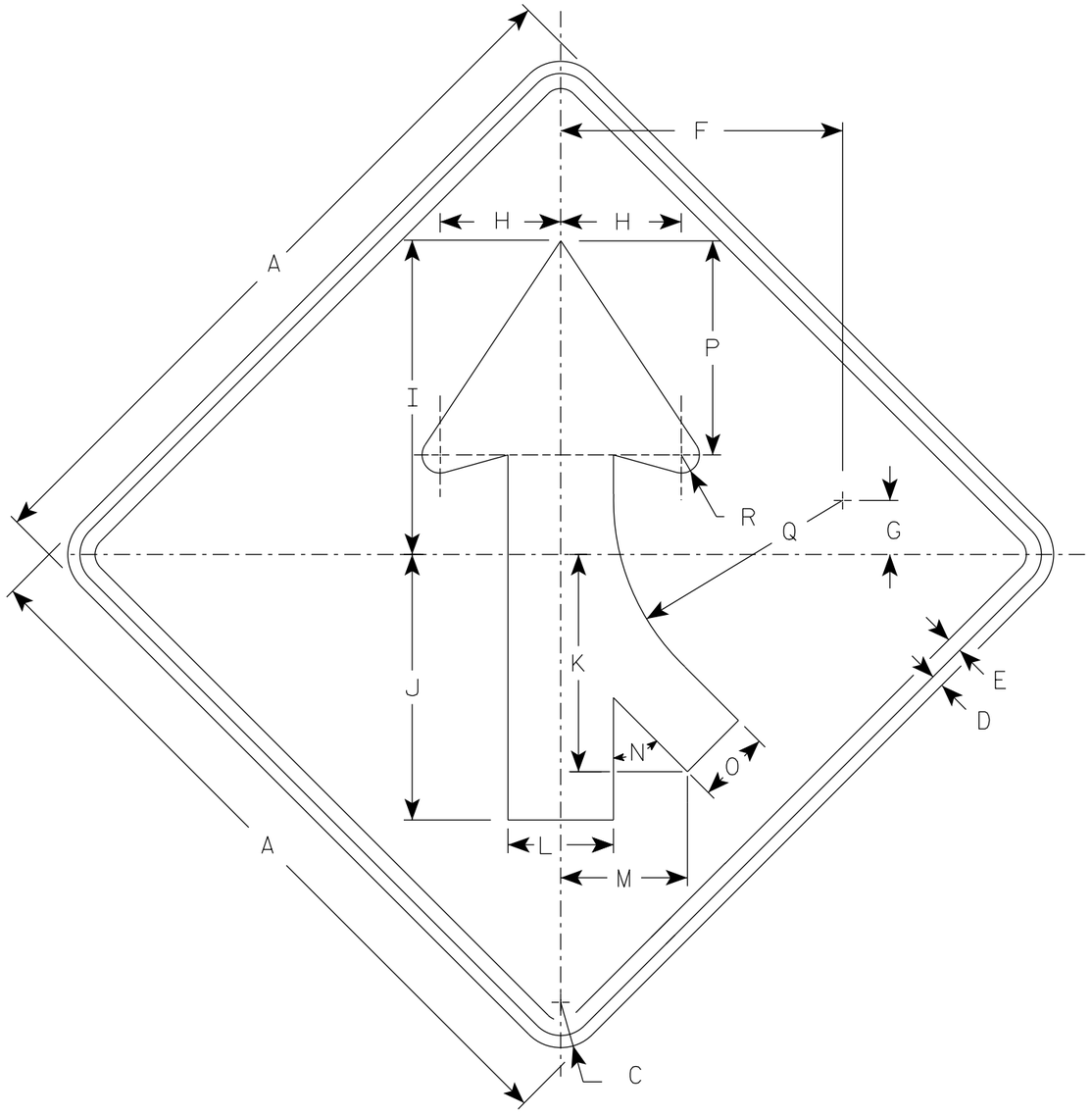
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-1R

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

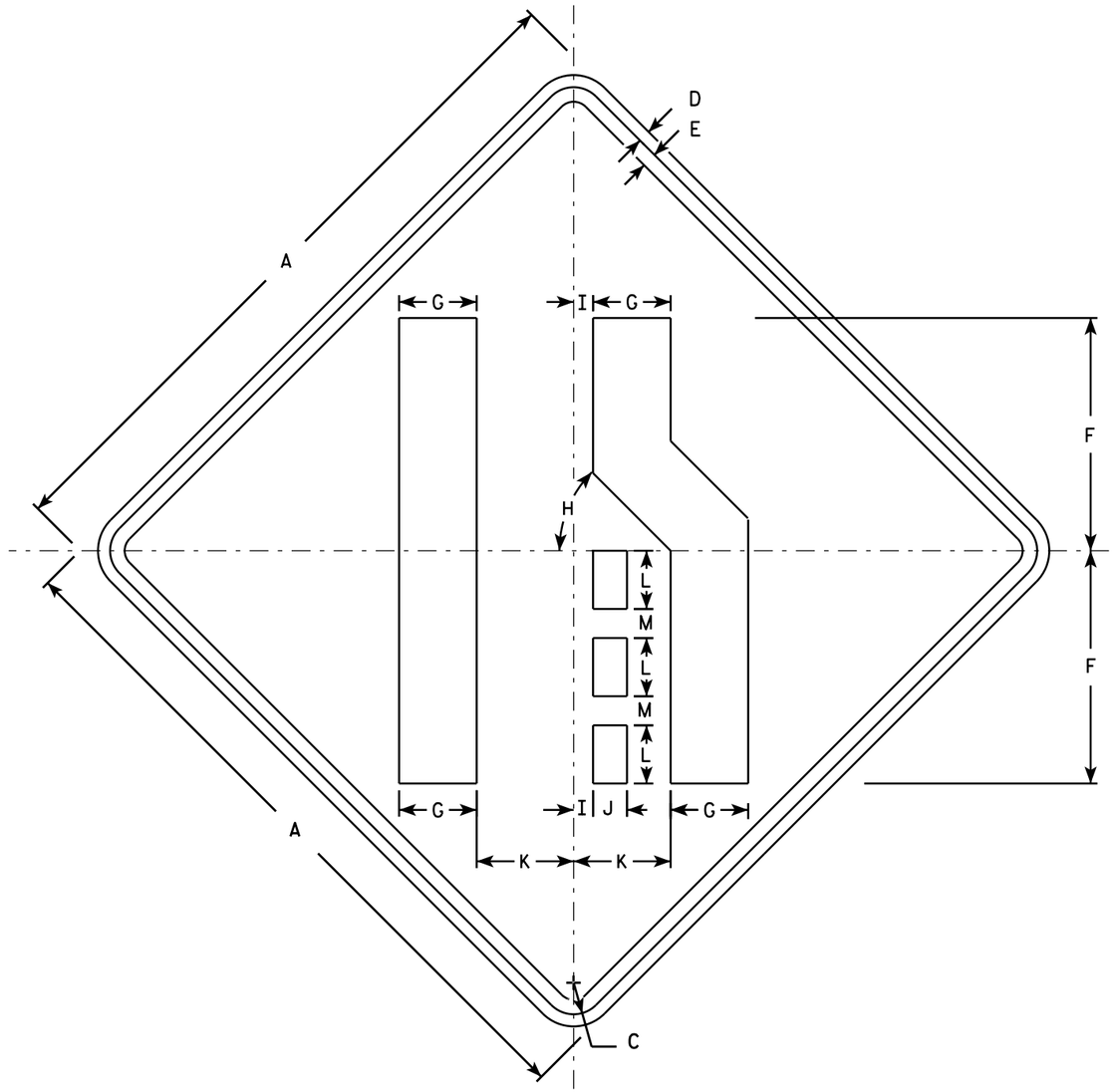
STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 547 | 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

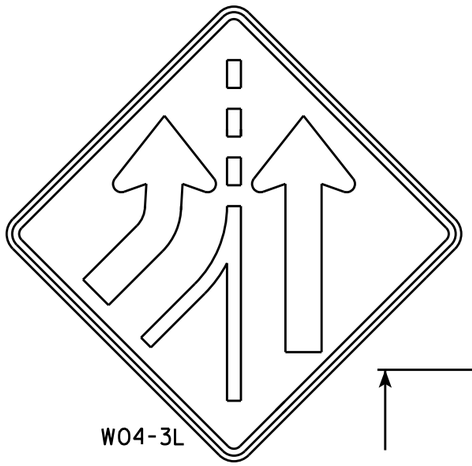
STANDARD SIGN
W04-2

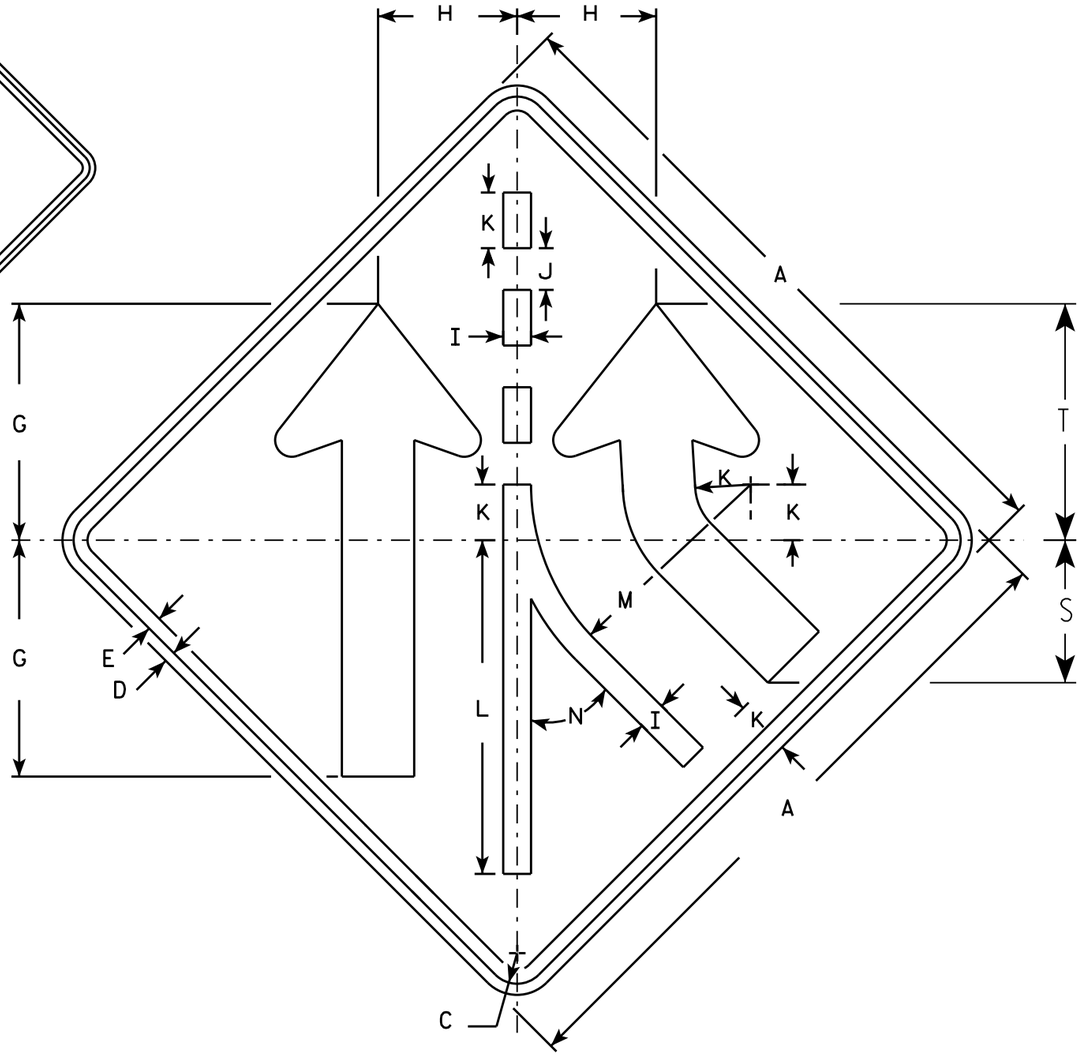
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 548 W04-2.1

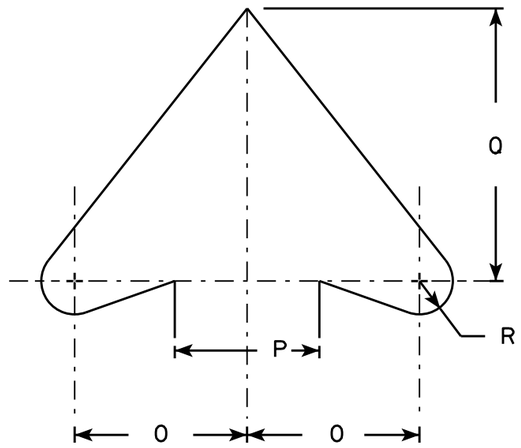
PROJECT NO: | SHEET NO: E





NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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. W04-3 L is the same as W04-3 R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

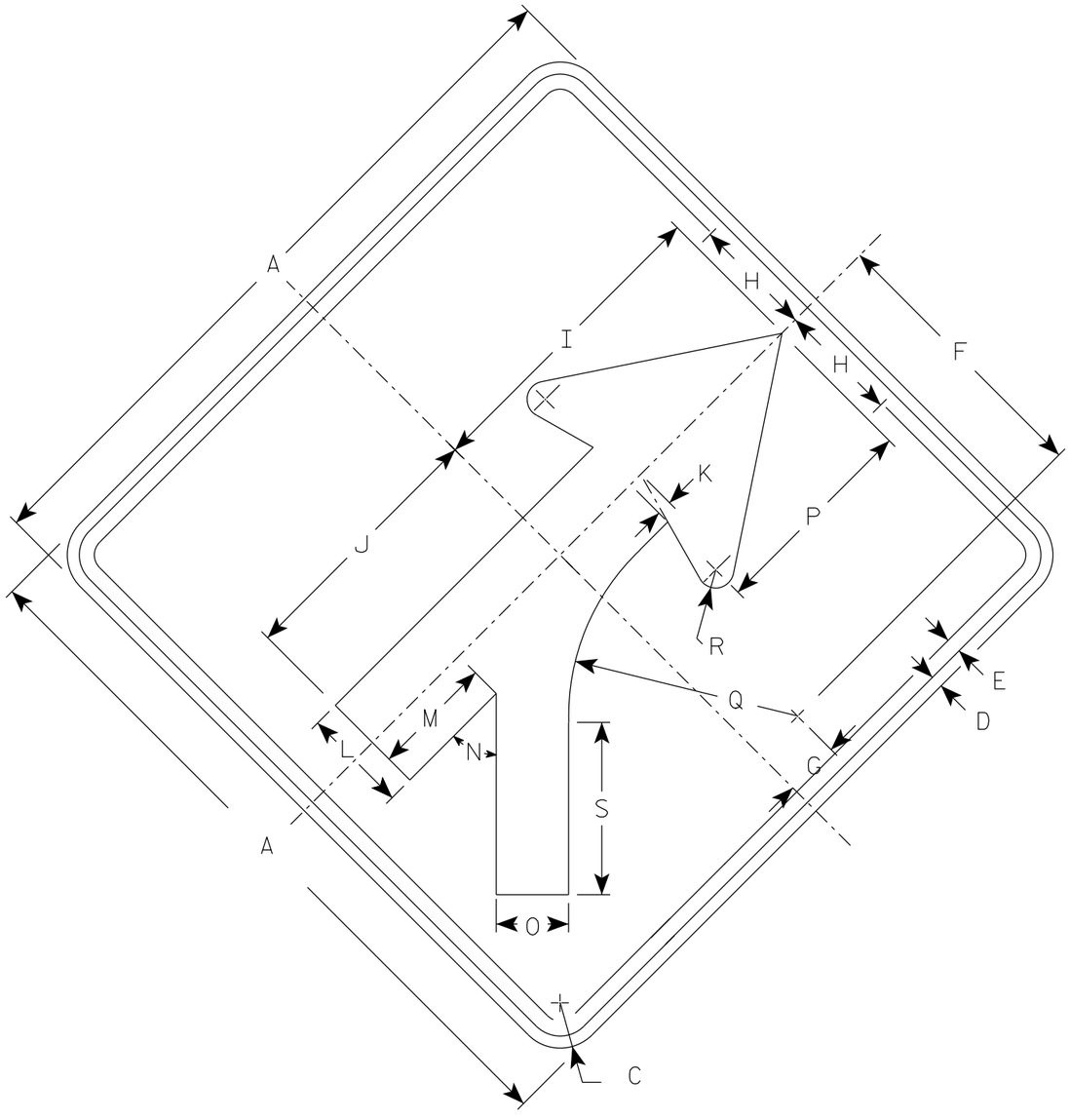
DATE 11/20/13 PLATE W04-3.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W043.DGN PLOT DATE : 20-NOV-2013 11:49 PLOT BY : mscsja 6.810449:1.000000

WISDOT/CADDS SHEET 42

7 7



W04-5R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-5L is the same as W04-5R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	3/4	5 1/4	6 1/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN

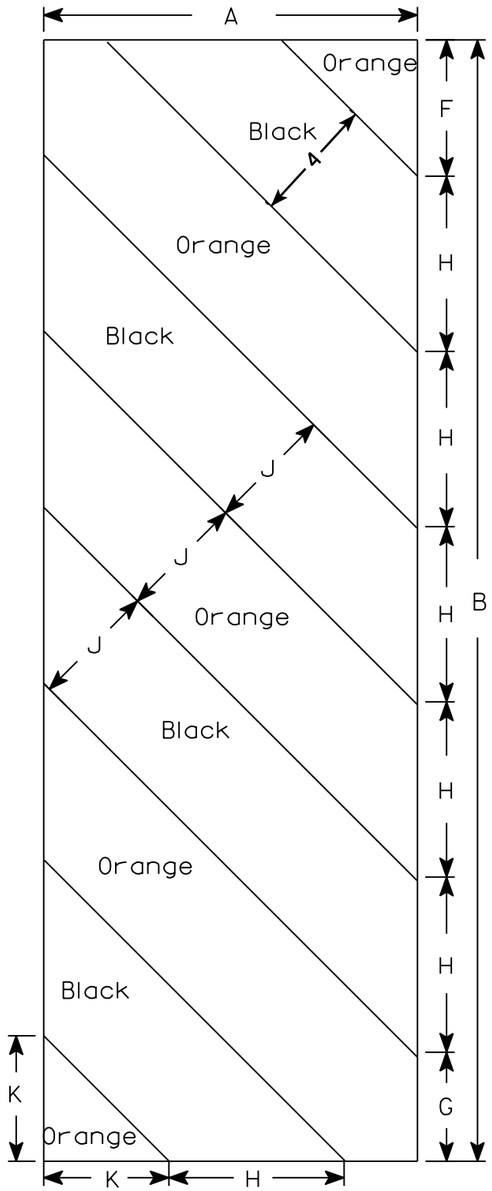
W04-5

WISCONSIN DEPT OF TRANSPORTATION

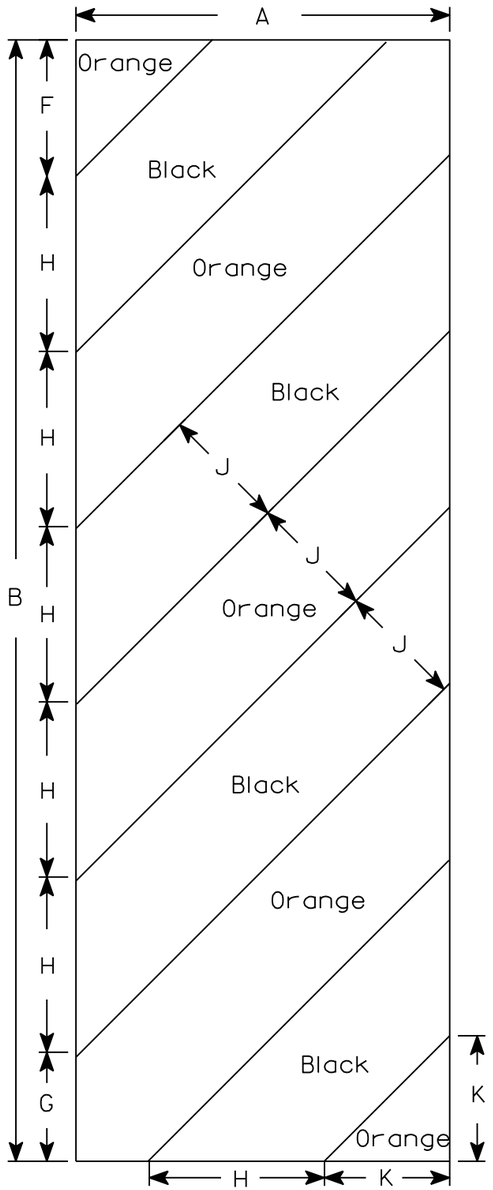
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 12/06/2021 PLATE NO. W04-5.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 550 E



W05-52L



W05-52R

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. Alternate colors of stripes as shown.

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	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

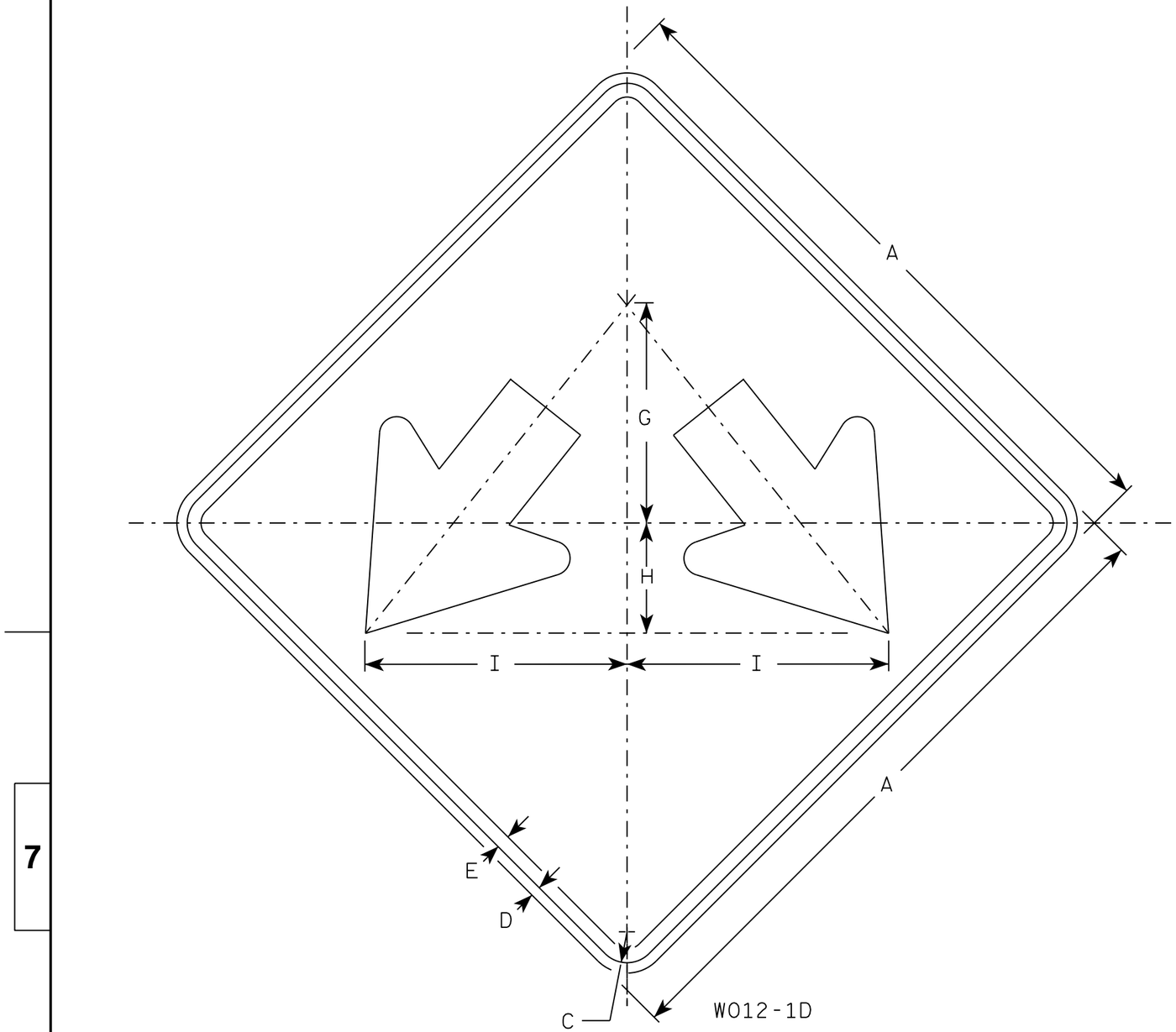
STANDARD SIGN
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W05-52.1

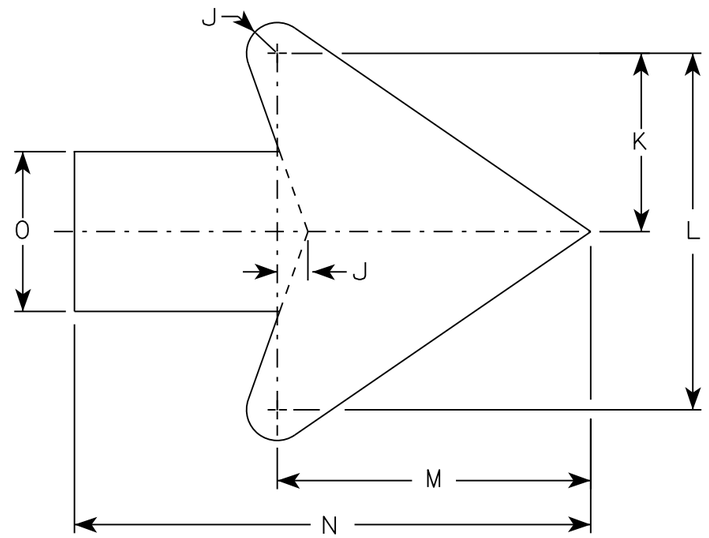
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W012-1D

NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

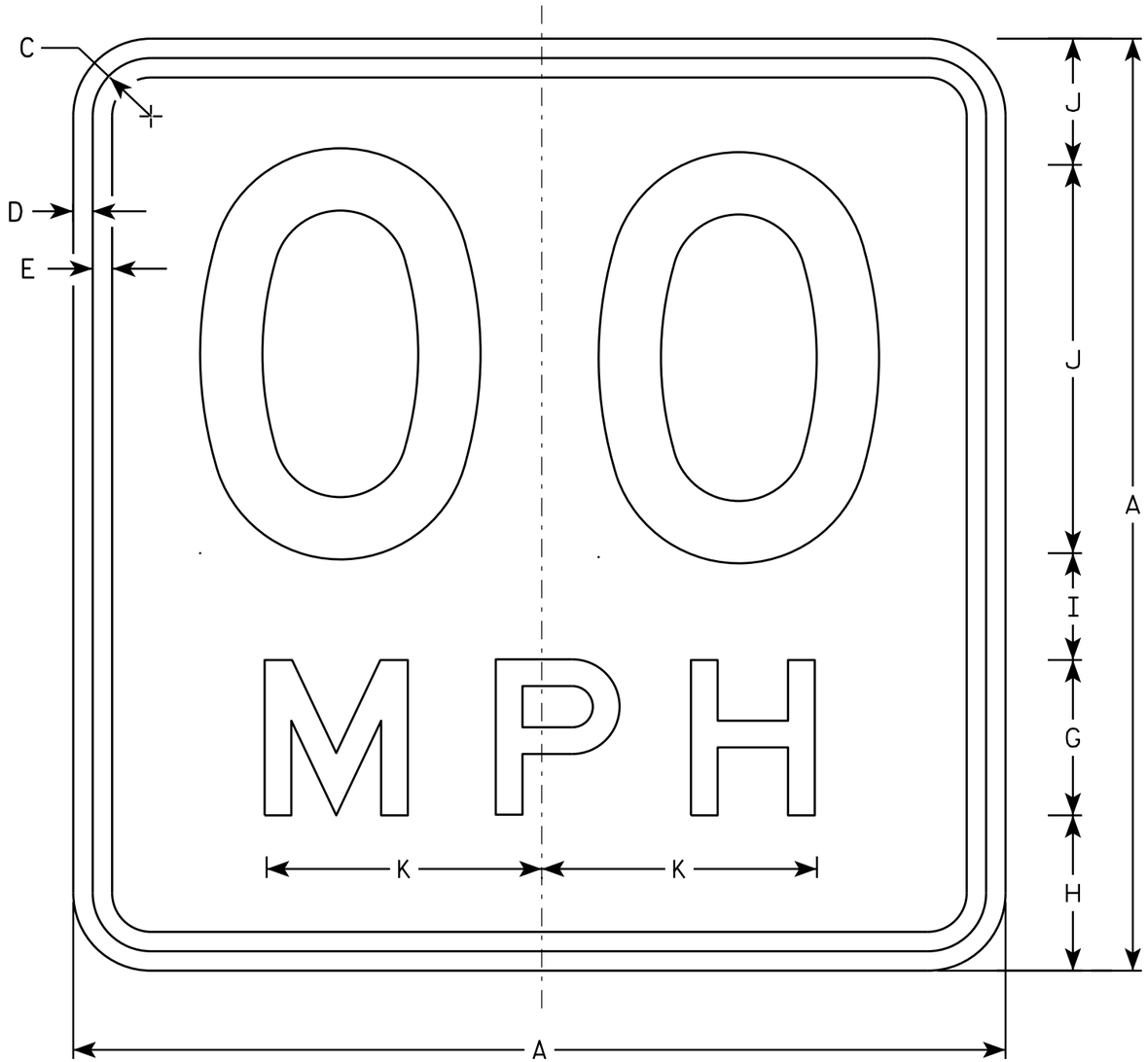
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CADfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000



W013-1

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 - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W013-1

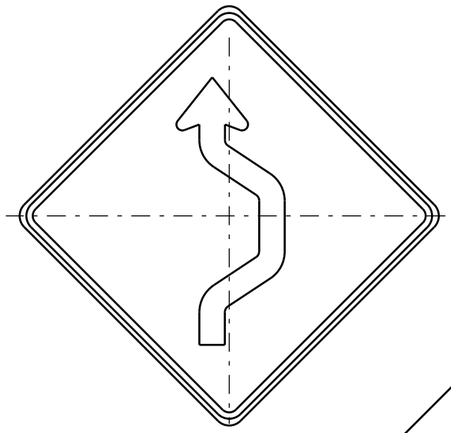
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

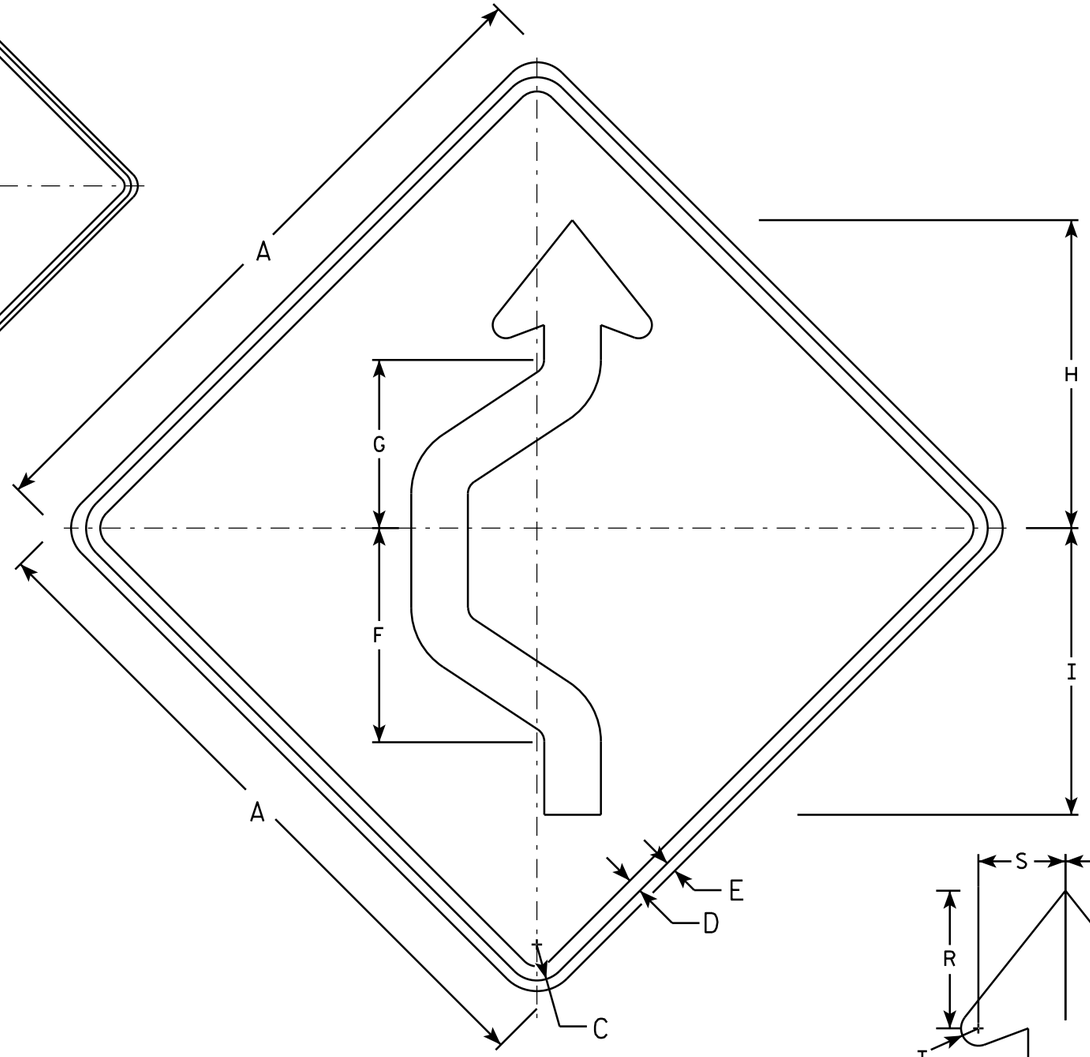
DATE 11/21/13 PLATE 553 W013-1.1

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

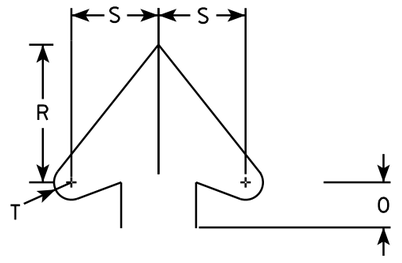
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN PLOT DATE : 02-DEC-2013 13:55 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.794391:1.000000
WISDOT/CADDS SHEET 42



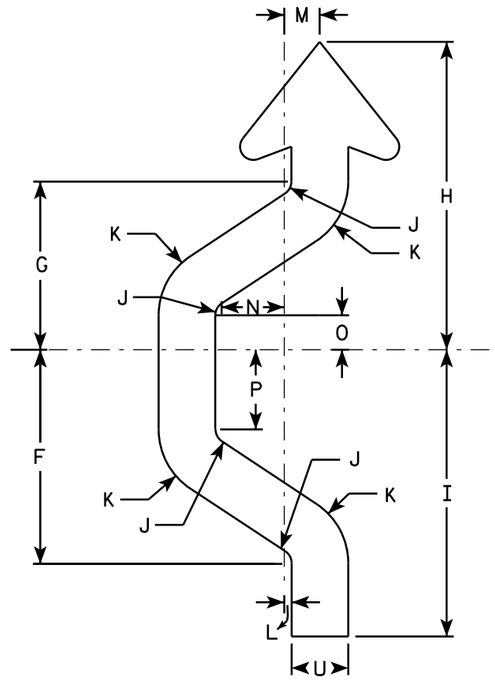
W024-1R



W024-1L



Arrowhead Detail



Arrow Detail

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. W024-1R is the same as W024-1L except 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 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

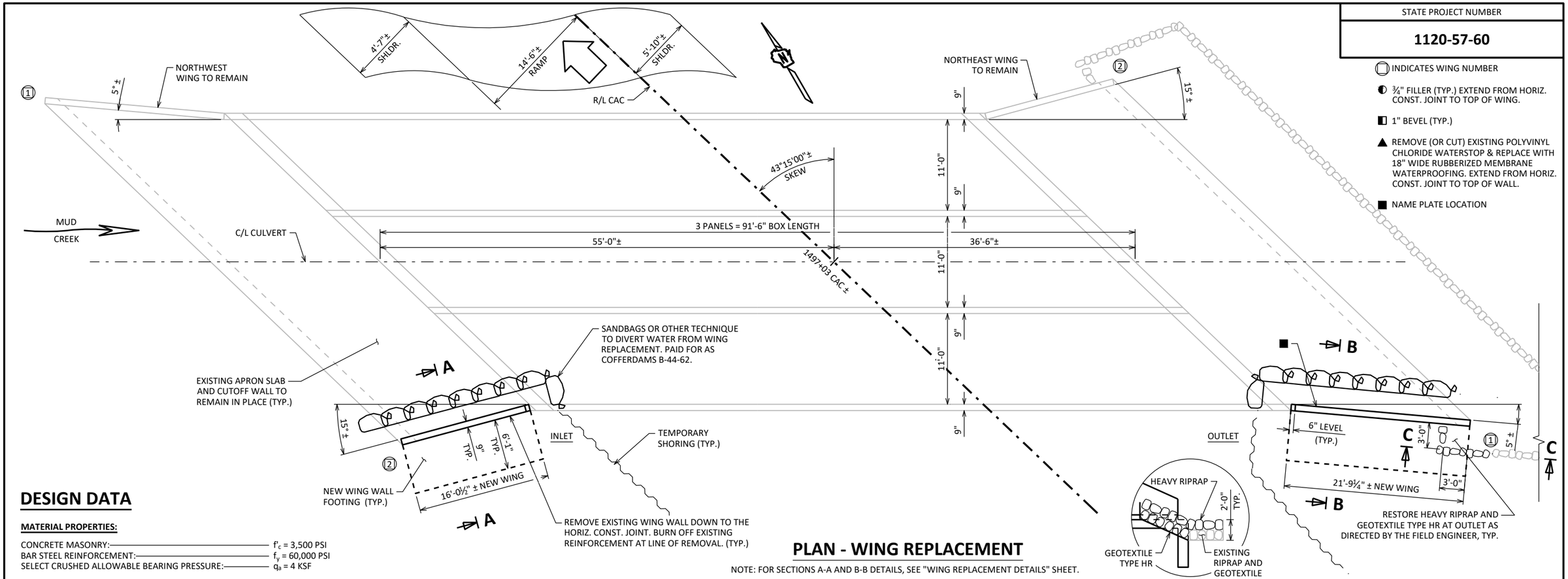
DATE 9/25/2013 PLATE W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER

1120-57-60



PLAN - WING REPLACEMENT

NOTE: FOR SECTIONS A-A AND B-B DETAILS, SEE "WING REPLACEMENT DETAILS" SHEET.

- ◯ INDICATES WING NUMBER
- ◐ ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.
- ◧ 1" BEVEL (TYP.)
- ▲ REMOVE (OR CUT) EXISTING POLYVINYL CHLORIDE WATERSTOP & REPLACE WITH 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.
- ■ NAME PLATE LOCATION

DESIGN DATA

MATERIAL PROPERTIES:

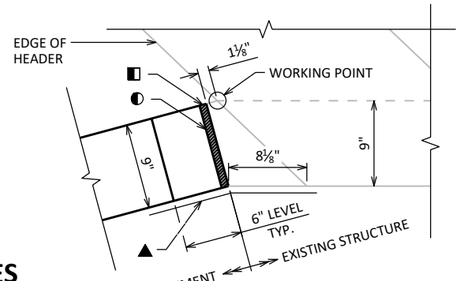
CONCRETE MASONRY:——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT:——— f_y = 60,000 PSI
SELECT CRUSHED ALLOWABLE BEARING PRESSURE:——— q_a = 4 KSF

TRAFFIC DATA

RAMP FROM STH 125 TO IH-41 NB:
ADT = 5,600 (2019)

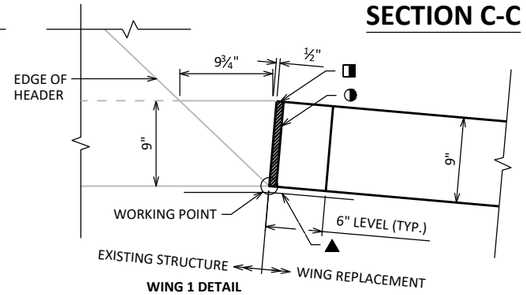
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE B-44-62	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS B-44-62	EACH	1
206.5001	COFFERDAMS B-44-62	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	96
312.0110	SELECT CRUSHED MATERIAL	TON	51
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	39
504.0100	CONCRETE MASONRY CULVERTS	CY	22
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1960
511.1200	TEMPORARY SHORING B-44-62	SF	440
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9
606.0300	RIPRAP HEAVY	CY	2
645.0105	GEOTEXTILE TYPE C	SY	55
645.0120	GEOTEXTILE TYPE HR	SY	2
	NON-BID ITEMS		
	FILLER	SIZE	¾"



WING 2 DETAIL

SECTION C-C



WING 1 DETAIL

CORNER DETAILS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS B-44-62" SHALL BE THE EXISTING GROUNDLINE.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" SAWCUT.

AT THE BACK FACE OF WING WALLS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE WING WALL CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL SUPPLY A NEW NAMEPLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR 1967.

RESTORE RIPRAP AS DIRECTED BY THE FIELD ENGINEER.

THE QUANTITY FOR BACKFILL STRUCTURES IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

LIST OF DRAWINGS:

1. GENERAL PLAN
2. WING REPLACEMENT DETAILS

STRUCTURE DESIGN CONTACTS:
RYAN R. HARRIS (608) 266-2963
KYLE H. BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED KHB 7/26/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-44-62

RAMP FROM STH 125 TO IH-41 NB OVER MUD CREEK

COUNTY	TOWN
OUTAGAMIE	GRAND CHUTE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	DLM	RRH	DLM

GENERAL PLAN

SHEET 1 OF 2
555

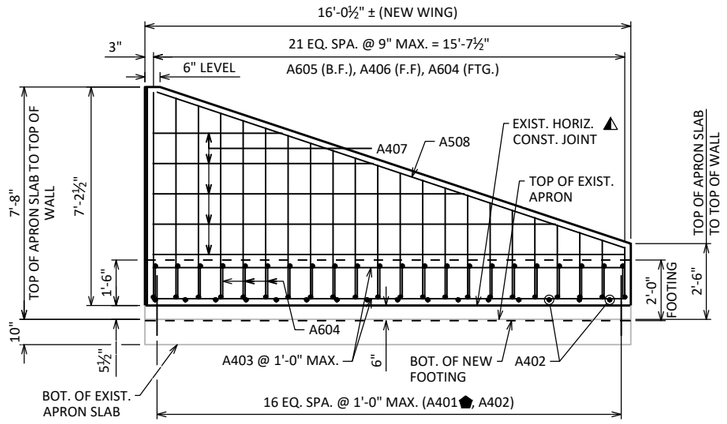
SCALE =

I.D. 1120-57-30B

DATE: JUNE 2023

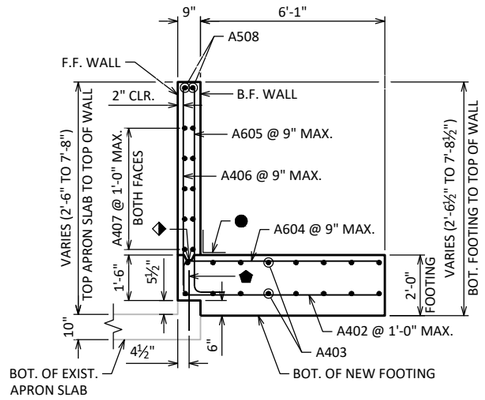
8

8



WING 2 ELEVATION

LOOKING AT F.F. OF SOUTHWEST WING



SECTION A-A THRU WING 2

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

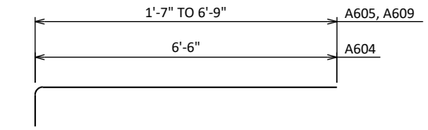
BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
⬟ A401	X	39	2'-0"			EXIST. HORIZ. CONST. JOINT/ NEW WING DOWEL
A402	X	39	6'-6"			WING 1 & 2 FTG. - HORIZ. TRANS. - BOT.
A403	X	16	15'-7"			WING 2 FTG. - HORIZ. LONG. - BOT. & TOP
A604	X	52	7'-4"	X		WING 1 & 2 FTG. - HORIZ. TRANS. - TOP
A605	X	22	5'-0"	X	⚠	WING 2 - B.F. - VERT.
A406	X	22	4'-2"		⚠	WING 2 - F.F. - VERT.
A407	X	10	9'-11"		⚠	WING 2 - HORIZ.
A508	X	2	16'-3"			WING 2 - HORIZ. - TOP
A609	X	30	5'-0"	X	⚠	WING 1 - B.F. - VERT.
A410	X	30	4'-2"		⚠	WING 1 - F.F. - VERT.
A411	X	10	13'-7"		⚠	WING 1 - HORIZ.
A512	X	2	21'-10"			WING 1 - HORIZ. - TOP
A413	X	16	21'-4"			WING 1 FTG. - HORIZ. LONG. - BOT. & TOP

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
A605	1 SERIES OF 22	2'-5" TO 7'-7"
A406	1 SERIES OF 22	1'-7" TO 6'-9"
A407	2 SERIES OF 5	4'-3" TO 15'-7"
A609	1 SERIES OF 30	2'-5" TO 7'-7"
A410	1 SERIES OF 30	1'-7" TO 6'-9"
A411	2 SERIES OF 5	5'-9" TO 21'-4"



A604, A605, A609

⬟ A401 ADHESIVE ANCHORS. EMBED 9" INTO SOUND CONCRETE & SPACE 1'-0" O.C. MAX. PAID FOR UNDER BID ITEM "ADHESIVE ANCHORS NO. 4 BAR".

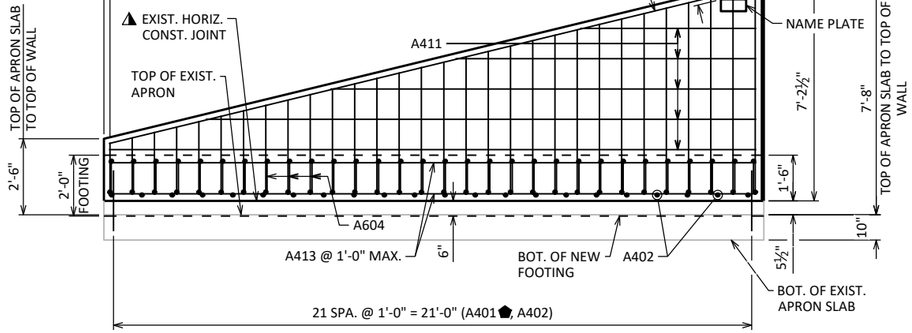
⬖ HORIZ. CONST. JOINT W/ KEYWAY. FORM KEYWAY USING BEVELED 2"X4".

⚠ REMOVE EXISTING WING WALL DOWN TO THE HORIZONTAL CONSTRUCTION JOINT. BURN OFF EXISTING REINFORCEMENT AT LINE OF REMOVAL.

● 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ALONG HORIZ. CONST. JOINT FOR ENTIRE WING LENGTH.

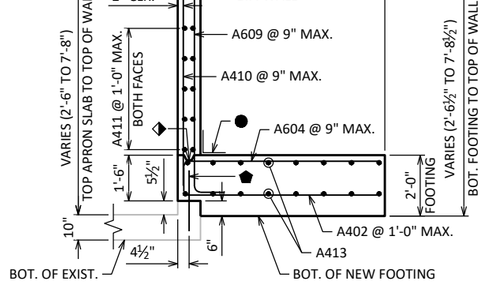
☆ UNDER CUT 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "SELECT CRUSHED MATERIAL".

◹ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

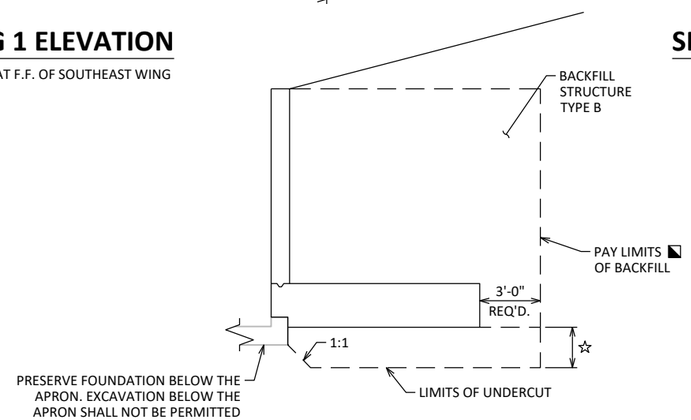


WING 1 ELEVATION

LOOKING AT F.F. OF SOUTHEAST WING



SECTION B-B THRU WING 1



TYPICAL SECTION THRU BOX CULVERT WINGWALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44-62

DRAWN BY RRH | PLANS CK'D DLM

WING REPLACEMENT DETAILS

SHEET 2
556

SCALE =

STATE PROJECT NUMBER

1120-57-60

8

8

"METHACRYLATE FLOOD SEAL" SHALL NOT BE PLACED ON DECK PATCHES RECEIVING "CONCRETE MASONRY DECK REPAIR". CORRESPONDING PATCHES SHOULD BE ISOLATED DURING PLACEMENT OF "METHACRYLATE FLOOD SEAL" WITH A SYSTEM APPROVED BY THE FIELD ENGINEER.

STATE PROJECT NUMBER

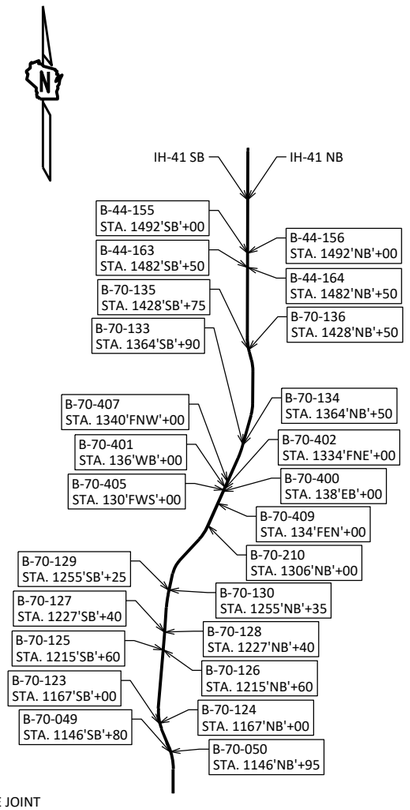
1120-57-60

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	DESCRIPTION	UNIT	B-44-155	B-44-156	B-44-163	B-44-164	B-70-049	B-70-050	B-70-123	B-70-124	B-70-125	B-70-126	B-70-127	B-70-128	B-70-129	B-70-130	B-70-133	B-70-134	B-70-135	B-70-136	B-70-210	B-70-400	B-70-401	B-70-402	B-70-405	B-70-407	B-70-409	TOTALS
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	157	157	91	91	110	110	161	161	120	120	110	110	168	168	34	34	146	146	315	826	1,107	404	1,804	362	444	7,456
509.0301	PREPARATION DECKS TYPE 1	SY	--	--	5	10	--	--	--	5	--	--	--	--	--	--	--	5	--	--	--	--	--	--	--	--	--	25
509.0302	PREPARATION DECKS TYPE 2	SY	--	--	2	4	--	--	--	2	--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	10
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	--	--	50	100	--	--	--	50	--	--	--	--	--	--	--	50	--	--	--	--	--	--	--	--	--	250
509.1500	CONCRETE SURFACE REPAIR	SF	6	4	15	5	2	2	4	3	3	--	4	1	--	1	1	--	2	--	--	--	--	--	--	--	--	53
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	--	--	1	2	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4
509.5100.S	POLYMER OVERLAY	SY	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	28
509.9015.S	REMOVING POLYMER OVERLAY B-70-130	SY	--	--	--	--	--	--	--	--	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	28
SPV.0035	RAPID SET DECK REPAIR	CY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SPV.0090	BRIDGE DECK CRACK SEALING	LF	--	--	--	--	--	--	--	--	--	--	--	--	600	650	--	900	--	--	--	--	--	--	--	--	--	2,150
SPV.0090	JOINT SEALING	LF	120	120	169	147	142	142	118	119	169	119	143	119	146	118	144	164	120	120	--	--	--	--	--	--	--	2,439
SPV.0180	METHACRYLATE FLOOD SEAL	SY	1,238	1,238	985	843	1,039	1,030	1,246	1,246	1,246	936	1,037	855	--	--	320	--	1,151	1,151	1,908	--	--	--	--	--	--	17,469

SUMMARY OF LOCATIONS

STRUCTURE ID	MUNICIPALITY	LOCATION
B-44-155	GRAND CHUTE	IH-41 SB OVER STH-125
B-44-156	GRAND CHUTE	USH 10 WB/IH-41 NB OVER STH-125
B-44-163	GRAND CHUTE	IH-41 SB OVER SPENCER ST
B-44-164	GRAND CHUTE	USH 10 WB/IH-41 NB OVER SPENCER ST
B-70-049	NEENAH	IH-41 SB OVER CECIL ST
B-70-050	NEENAH	IH-41 NB OVER CECIL ST
B-70-123	NEENAH	IH-41 SB OVER STH-114
B-70-124	NEENAH	IH-41 NB OVER STH-114
B-70-125	NEENAH	IH-41 SB OVER MAIN ST
B-70-126	NEENAH	IH-41 NB OVER MAIN ST
B-70-127	NEENAH	IH-41 SB OVER NORTH ST
B-70-128	NEENAH	IH-41 NB OVER NORTH ST
B-70-129	MENASHA	IH-41 SB OVER CTH II
B-70-130	MENASHA	IH-41 NB OVER CTH II
B-70-133	MENASHA	IH-41 SB OVER MENASHA CREEK
B-70-134	MENASHA	IH-41 NB OVER MENASHA CREEK
B-70-135	MENASHA	IH-41 SB OVER CTH BB
B-70-136	MENASHA	USH 10 WB/IH-41 NB OVER CTH BB
B-70-210	MENASHA	IH-41 OVER JACOBSEN RD
B-70-400	MENASHA	USH-10 EB OVER IH-41 NB & SB & WCL RR
B-70-401	MENASHA	USH-10 WB OVER IH-41 NB & SB & WCL RR
B-70-402	MENASHA	IH-41 NB OFFRAMP TO STH-441 NB/USH-10 EB OVER USH-10 EB TO IH-41 NB RAMP
B-70-405	MENASHA	USH 10 WB RAMP TO IH-41 SB OVER IH-41
B-70-407	MENASHA	IH-41 NB OFFRAMP TO USH-10 WB OVER IH-41
B-70-409	MENASHA	USH-10 EB OFFRAMP TO IH-41 NB OVER IH-41



LOCATION MAP

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE TOP AND FRONT OF PARAPETS.

SURFACE PREPARATION IS INCLUDED IN THE ITEM "PIGMENTED SURFACE SEALER RESEAL".

PREPARATION DECKS TYPES 1 & 2, AND CONCRETE SURFACE REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR" OR "RAPID SET DECK REPAIR" AS DEFINED IN THE TOTAL ESTIMATED QUANTITIES.

GENERAL NOTES CONT.

JOINT SEALING ITEM TO BE APPLIED AT THE INTERFACE BETWEEN THE APPROACH SLAB AND STRUCTURE PAVING NOTCHES. DO NOT APPLY THE JOINT SEALANT AT MECHANICAL JOINTS OR STRIP SEAL JOINTS. DO NOT APPLY UNTIL AFTER INSTALLATION OF CONCRETE PAVEMENT APPROACH SLABS.

AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

SEE ROADWAY PLANS FOR TRAFFIC STAGING DETAILS.

LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE NOT SHOWN.

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI
- RAPID SET DECK REPAIR — f'_c = 3,000 PSI (AT 3 HOURS)

TRAFFIC DATA

IH-41 NB (STH 114)
ADT = 57,088 (2023)
R.D.S. = 70 MPH

IH-41 SB (STH 114)
ADT = 71,721 (2023)
R.D.S. = 70 MPH

STH 125 (IH-41)
ADT = 36,320 (2023)

SPENCER ST (IH-41)
ADT = 7,300 (2019)

CECIL ST (IH-41)
ADT = 10,956 (2023)

STH 114 (IH-41)
ADT = 26,790 (2023)

MAIN ST (IH-41)
ADT = 10,593 (2023)

NORTH ST (IH-41)
ADT = 4,015 (2023)

CTH II (IH-41)
ADT = 10,956 (2023)

CTH BB (IH-41)
ADT = 55,710 (2023)

JACOBSEN RD (IH-41)
ADT = 1,310 (2020)

USH 10 EB (IH-41)
ADT = 88,000 (2038)

USH 10 WB (IH-41)
ADT = 31,590 (2038)

IH-41 NB RAMP TO STH 441 NB/USH 10 EB
ADT = 19,000 (2038)

USH 10 EB RAMP TO IH-41 NB
ADT = 3,380 (2038)

USH 10 WB RAMP TO IH-41 SB
ADT = 3,640 (2038)

USH 10 WB/STH 441 SB RAMP TO IH-41 NB
ADT = 10,920 (2038)

IH-41 NB RAMP TO USH 10 WB
ADT = 1,700 (2038)

LIST OF DRAWINGS:

1. BRIDGE REPAIR SUMMARY
2. B-44-155/156/163/164 & B-70-49/50/123/124/125/ 126/127/128/129 REPAIRS
3. B-70-130/133/134/135/136/210/400/401/402/405/407/409 REPAIRS

STRUCTURE DESIGN CONTACTS:
RYAN R. HARRIS (608) 266-2963
KYLE H. BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION — BUREAU OF STRUCTURES

ACCEPTED KHB 7/26/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-44/70-VARIES

OUTAGAMIE/WINNEBAGO COUNTY IH-41 BRIDGE REPAIRS

COUNTY	TOWN/CITY/VILLAGE
OUTAGAMIE/WINNEBAGO	VARIES

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	DLM	RRH	DLM

BRIDGE REPAIR SUMMARY

SHEET 1 OF 3
557

SCALE =

I.D. 1120-57-30 DATE: JUNE 2023

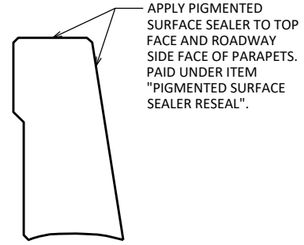
8

8

STATE PROJECT NUMBER

1120-57-60

"METHACRYLATE FLOOD SEAL" SHALL NOT BE PLACED ON DECK PATCHES RECIEVING "CONCRETE MASONRY DECK REPAIR"



PIGMENTED SURFACE SEALER DETAIL

B-44-155

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NW CORNER OF ABUT & WING, SW CORNER OF ABUT.
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-44-156

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NE CORNER OF ABUT & WING, SE CORNER OF ABUT. & WING.
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-44-163

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.0301	PREPARATION DECKS TYPE 1	DECK PATCHING
509.0302	PREPARATION DECKS TYPE 2	DECK PATCHING
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	--
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING IN E PPT., SW CORNER OF ABUT., NW. CORNER OF ABUT.
509.2100.S	CONCRETE MASONRY DECK REPAIR	DECK PATCHING AT E & W PAVING NOTCH
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-44-164

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.0301	PREPARATION DECKS TYPE 1	DECK PATCHING
509.0302	PREPARATION DECKS TYPE 2	DECK PATCHING
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	--
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT SE CORNER OF ABUT, NE CORNER OF ABUT., W PPT.
509.2100.S	CONCRETE MASONRY DECK REPAIR	DECK PATCHING AT E & W PAVING NOTCH
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-049

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT SW CORNER OF ABUT, SW WING
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-050

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT ABUT. SE CORNER, SE WING, ABUT. NW CORNER
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-123

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT N AND S ABUT. BACKWALL, ABUT. NW CORNER
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-124

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.0301	PREPARATION DECKS TYPE 1	DECK PATCHING
509.0302	PREPARATION DECKS TYPE 2	DECK PATCHING
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	--
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT S ABUT. BACKWALL, SE CORNER, NE CORNER ABUT.
509.2100.S	CONCRETE MASONRY DECK REPAIR	DECK PATCHING IN MIDDLE LANE, N APPROACH PAVING NOTCH
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-125

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NW, SW, NE ABUT. CORNERS, NW WING, SW WING
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-126

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-127

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT SW CORNER OF ABUT./WING
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-128

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NE CORNER OF ABUT./WING
SPV.0090	JOINT SEALING	--
SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-129

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
SPV.0090	BRIDGE DECK CRACK SEALING	DECK SEALING
SPV.0090	JOINT SEALING	--

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44/70-VARIES

DRAWN BY RRH | PLANS CK'D DLM

B-44-155/156/163/164 & B-70-49/50/123/124/125/126/127/128/129 REPAIRS

SHEET 2
558

SCALE = 1.00

STATE PROJECT NUMBER

1120-57-60

⚠ SEE 'B-70-130 POLYMER OVERLAY PLAN' ON THIS SHEET FOR DETAILS

▪ "METHACRYLATE FLOOD SEAL" SHALL NOT BE PLACED ON DECK PATCHES RECIEVING "CONCRETE MASONRY DECK REPAIR"

B-70-130

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NE CORNER ABUT.
⚠ 509.5100.S	POLYMER OVERLAY	REPLACE POLYMER OVERLAY AT S END OF DECK
⚠ 509.9015.S	REMOVING POLYMER OVERLAY B-70-130	REMOVE DAMAGED POLYMER OVERLAY AT S END OF DECK
SPV.0090	BRIDGE DECK CRACK SEALING	DECK SEALING
SPV.0090	JOINT SEALING	--

B-70-133

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT NW CORNER ABUT.
SPV.0090	JOINT SEALING	--
▪ SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-134

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.0301	PREPARATION DECKS TYPE 1	DECK PATCHING
509.0302	PREPARATION DECKS TYPE 2	DECK PATCHING
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	--
SPV.0035	RAPID SET DECK REPAIR	DECK PATCHING IN N & S PAVING NOTCH
SPV.0090	BRIDGE DECK CRACK SEALING	DECK SEALING
SPV.0090	JOINT SEALING	--

B-70-135

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
509.1500	CONCRETE SURFACE REPAIR	REPAIR SPALLING AT SW ABUT. CORNER AND N ABUT. BODY
SPV.0090	JOINT SEALING	--
▪ SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-136

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
SPV.0090	JOINT SEALING	--
▪ SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-210

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS
▪ SPV.0180	METHACRYLATE FLOOD SEAL	DECK SEALING

B-70-400

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS

B-70-401

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS

B-70-402

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS

B-70-405

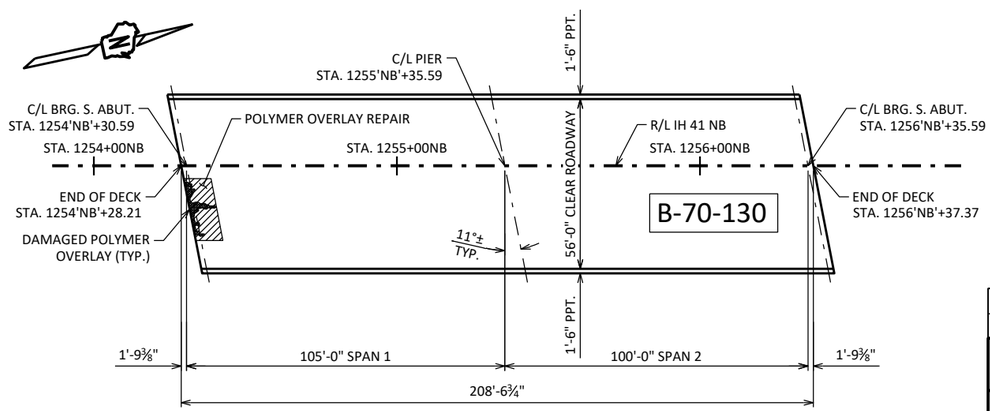
BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS

B-70-407

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS

B-70-409

BID ITEM	DESCRIPTION	COMMENTS
502.3205	PIGMENTED SURFACE SEALER RESEAL	APPLY TO FRONT FACE AND TOP FACE FOR FULL LENGTH OF BOTH PARAPETS



B-70-130 POLYMER OVERLAY PLAN

ANY EXCAVATION REQUIRED TO COMPLETE THE REPAIRS AT THE END OF THE BRIDGE IS INCIDENTAL TO BID ITEM "POLYMER OVERLAY".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-44/70-VARIES

DRAWN BY RRH | PLANS CK'D DLM

B-70-130/133/134/135/136/210/400/401/402/405/407/409 REPAIRS

SHEET 3
559

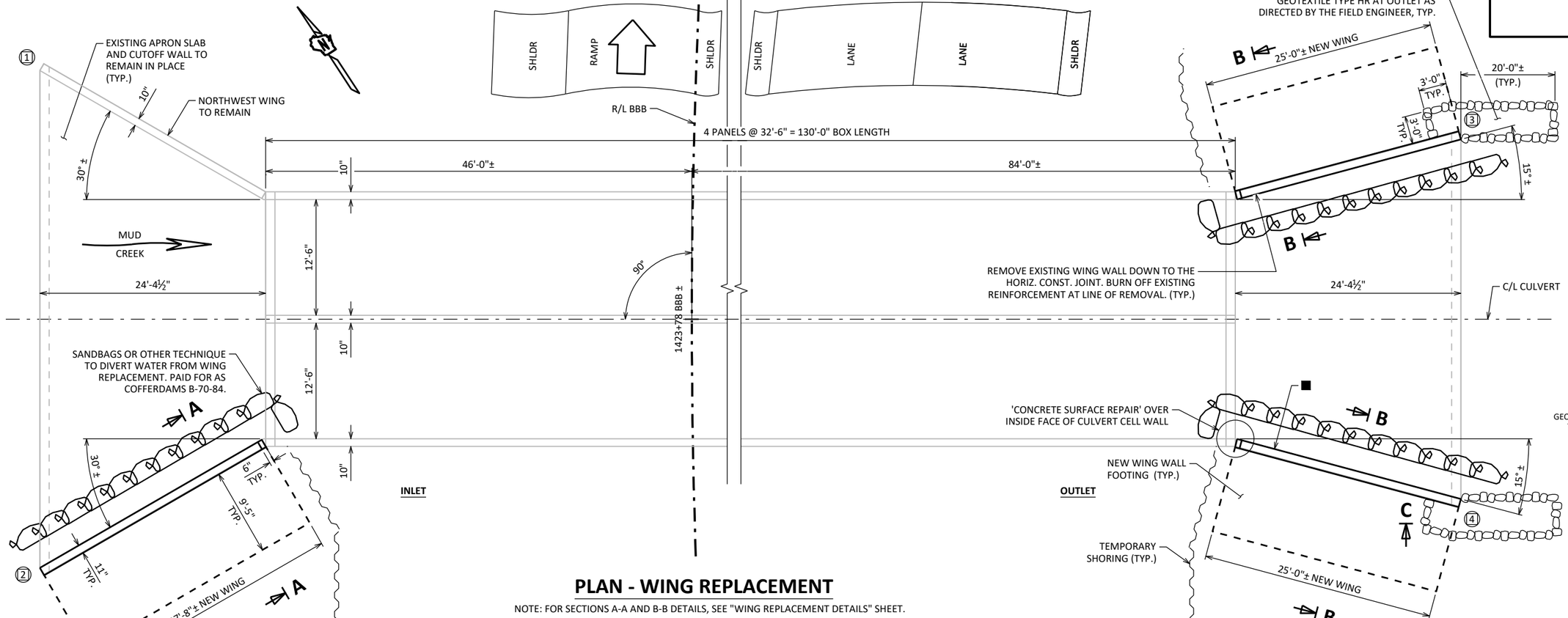
SCALE = 1.00

8

8

STATE PROJECT NUMBER

1120-57-60



SECTION C-C

WING 4 SHOWN, WING 3 SIMILAR

PLAN - WING REPLACEMENT

NOTE: FOR SECTIONS A-A AND B-B DETAILS, SEE "WING REPLACEMENT DETAILS" SHEET.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0220	REMOVING STRUCTURE B-70-84	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS B-70-84	EACH	1
206.5001	COFFERDAMS B-70-84	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	395
312.0110	SELECT CRUSHED MATERIAL	TON	143
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	81
504.0100	CONCRETE MASONRY CULVERTS	CY	76
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	9350
509.1500	CONCRETE SURFACE REPAIR	SF	1
511.1200	TEMPORARY SHORING B-70-84	SF	775
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	18
606.0300	RIPRAP HEAVY	CY	7
645.0105	GEOTEXTILE TYPE C	SY	107
645.0120	GEOTEXTILE TYPE HR	SY	4
	NON-BID ITEMS		
	FILLER	SIZE	¾"

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY:——— f'_c = 3,500 PSI
BAR STEEL REINFORCEMENT:——— f_y = 60,000 PSI
SELECT CRUSHED ALLOWABLE BEARING PRESSURE:——— q_a = 4 KSF

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS B-70-84" SHALL BE THE EXISTING GROUNDLINE.

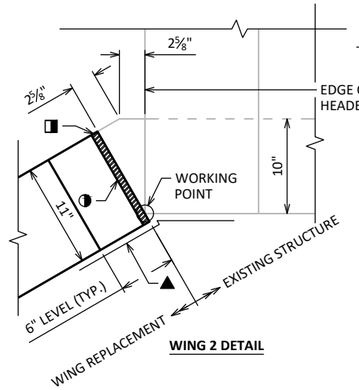
ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" SAWCUT.

AT THE BACK FACE OF WING WALLS, ALL VOLUME WHICH CANNOT BE PLACED BEFORE WING WALL CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.

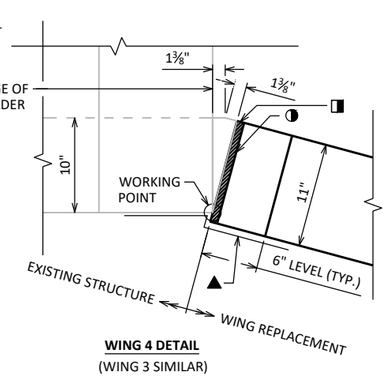
THE CONTRACTOR SHALL SUPPLY A NEW NAMEPLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR 1975.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

CONCRETE SURFACE REPAIRS ARE ANTICIPATED AS SHOWN ON THE GENERAL PLAN. EXTENTS AND LOCATIONS SHALL BE DETERMINED BY THE FIELD ENGINEER.



WING 2 DETAIL



WING 4 DETAIL
(WING 3 SIMILAR)

CORNER DETAILS

- INDICATES WING NUMBER
- ¾" FILLER (TYP.) EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.
- 1" BEVEL (TYP.)
- ▲ REMOVE (OR CUT) EXISTING POLYVINYL CHLORIDE WATERSTOP & REPLACE WITH 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.
- ■ NAME PLATE LOCATION

TRAFFIC DATA

RAMP FROM IH-41 NB TO CTH BB:
ADT = 3731 (2035)

LIST OF DRAWINGS:

1. GENERAL PLAN
2. WING REPLACEMENT DETAILS

STRUCTURE DESIGN CONTACTS:

RYAN R. HARRIS (608) 266-2963
KYLE H. BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED KHB 7/26/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-70-84

IH-41 NB OFFRAMP & NORTH ROAD OVER MUD CREEK

COUNTY	VILLAGE
WINNEBAGO	FOX CROSSING

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	DLM	RRH	DLM

GENERAL PLAN

SHEET 1 OF 2
560

SCALE =

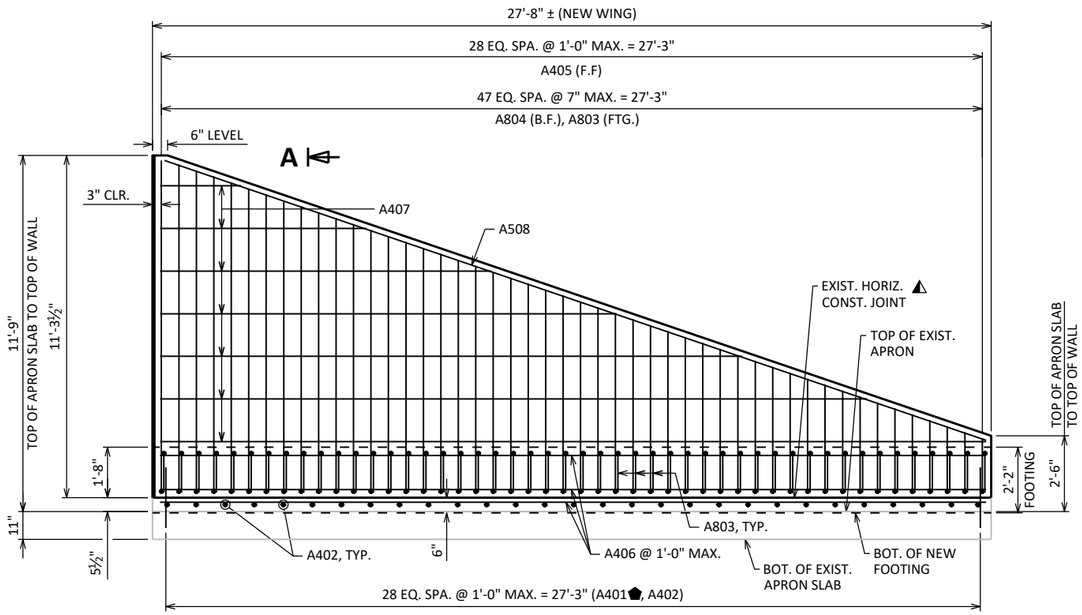
I.D. 1120-57-30N DATE: JUNE 2023

8

8

STATE PROJECT NUMBER

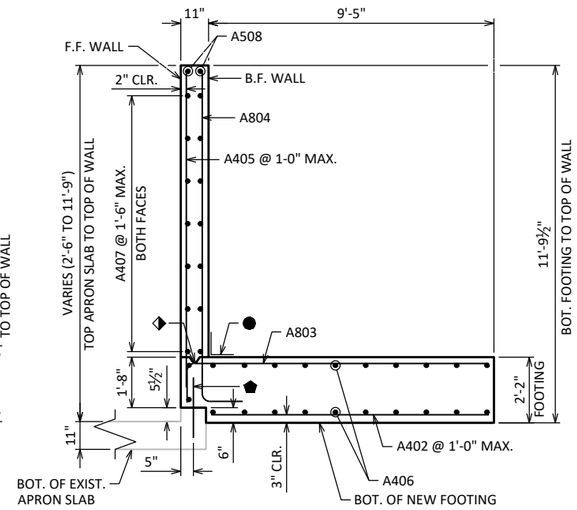
1120-57-60



A

WING 2 ELEVATION

LOOKING AT F.F. OF SW WING



SECTION A-A THRU WING 2

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

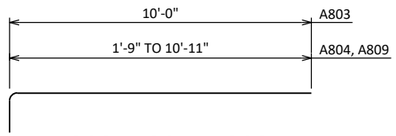
	BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
⬟	A401	X	81	2'-0"			EXIST. HORIZ. CONST. JOINT/ NEW WING DOWEL
	A402	X	81	9'-2"			WING FTG. - HORIZ. TRANS. - BOT.
	A803	X	136	11'-1"	X		WING FTG. - HORIZ. TRANS. - TOP
	A804	X	48	7'-5"	X	⚠	WING 2 - B.F. - VERT.
	A405	X	29	6'-4"		⚠	WING 2 - F.F. - VERT.
	A406	X	22	27'-3"			WING 2 - WING FTG. - HORIZ.
	A407	X	14	14'-11"		⚠	WING 2 - HORIZ.
	A508	X	2	28'-7"			WING 2 - HORIZ. - TOP
	A809	X	88	7'-5"	X	⚠	WING 3 & 4 - B.F. - VERT.
	A410	X	52	6'-4"		⚠	WING 3 & 4 - F.F. - VERT.
	A411	X	44	24'-7"			WING 3 & 4 - WING FTG. - HORIZ.
	A412	X	28	13'-6"		⚠	WING 3 & 4 - HORIZ.
	A513	X	4	26'-2"			WING 3 & 4 - HORIZ. - TOP

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

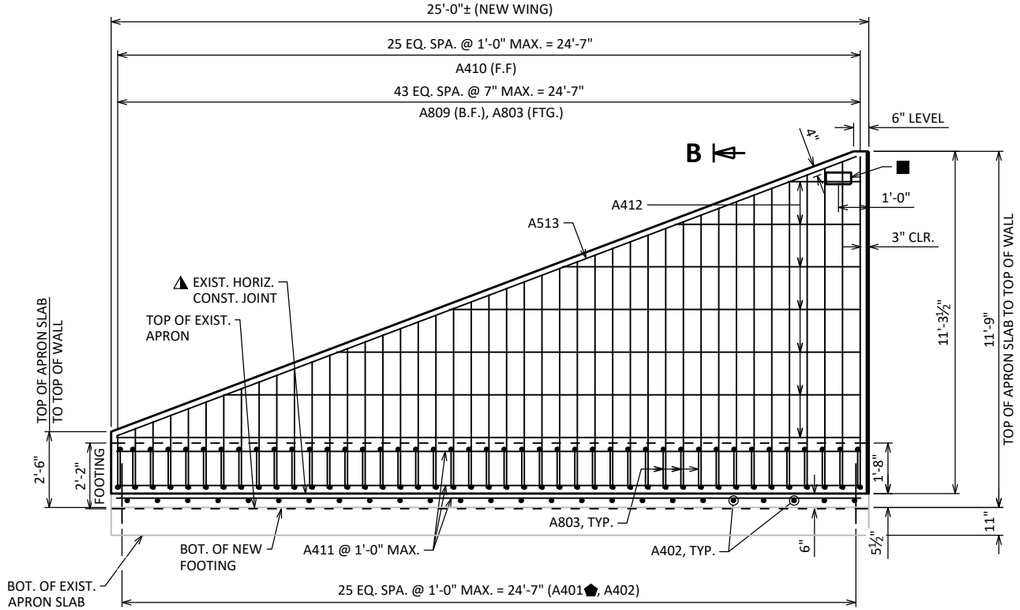
BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D	LENGTH
A804	1 SERIES OF 48	2'-10" TO 12'-0"
A405	1 SERIES OF 29	1'-9" TO 10'-11"
A407	2 SERIES OF 7	2'-5" TO 27'-3"
A809	2 SERIES OF 44	2'-10" TO 12'-0"
A410	2 SERIES OF 26	1'-9" TO 10'-11"
A412	4 SERIES OF 7	2'-5" TO 24'-7"



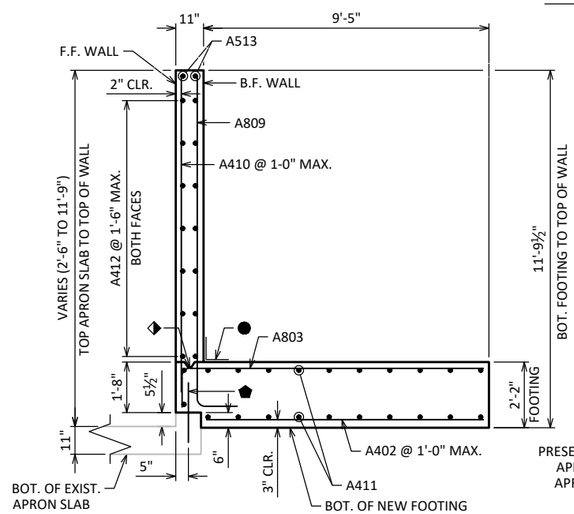
A803, A804, A809



B

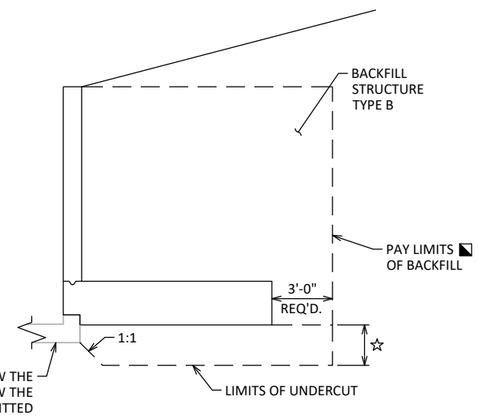
WING 3 & 4 ELEVATION

LOOKING AT F.F. OF SE WING
WING 4 SHOWN
WING 3 SIMILAR



SECTION B-B THRU WING 3 & 4

WING 4 SHOWN
WING 3 SIMILAR



TYPICAL SECTION THRU BOX CULVERT WINGWALL

⬔ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

⬟ A401 ADHESIVE ANCHORS. EMBED 9" INTO SOUND CONCRETE & SPACE 1'-0" O.C. MAX. PAID FOR UNDER BID ITEM "ADHESIVE ANCHORS NO. 4 BAR".

⬖ HORIZ. CONST. JOINT W/ KEYWAY. FORM KEYWAY USING BEVELED 2"X4".

■ SUPPLY NEW NAMEPLATE AT WING 4 F.F. ONLY. SEE GENERAL NOTES ON SHT. 1.

⚠ REMOVE EXISTING WING WALL DOWN TO THE HORIZONTAL CONSTRUCTION JOINT. BURN OFF EXISTING REINFORCEMENT AT LINE OF REMOVAL.

● 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ALONG HORIZ. CONST. JOINT FOR ENTIRE WING LENGTH.

☆ UNDER CUT 2'-0". EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES CULVERTS. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "SELECT CRUSHED MATERIAL".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-84

DRAWN BY RRH | PLANS CK'D DLM

WING REPLACEMENT DETAILS

SHEET 2
561

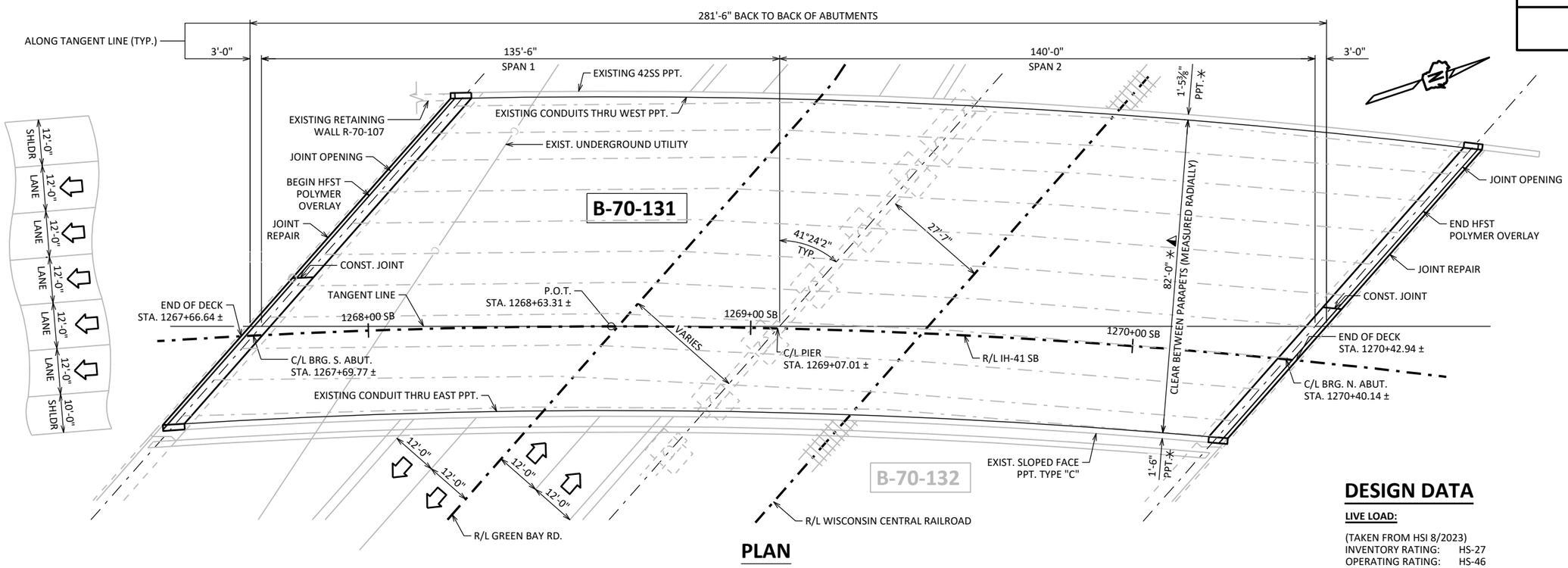
SCALE =

8

8

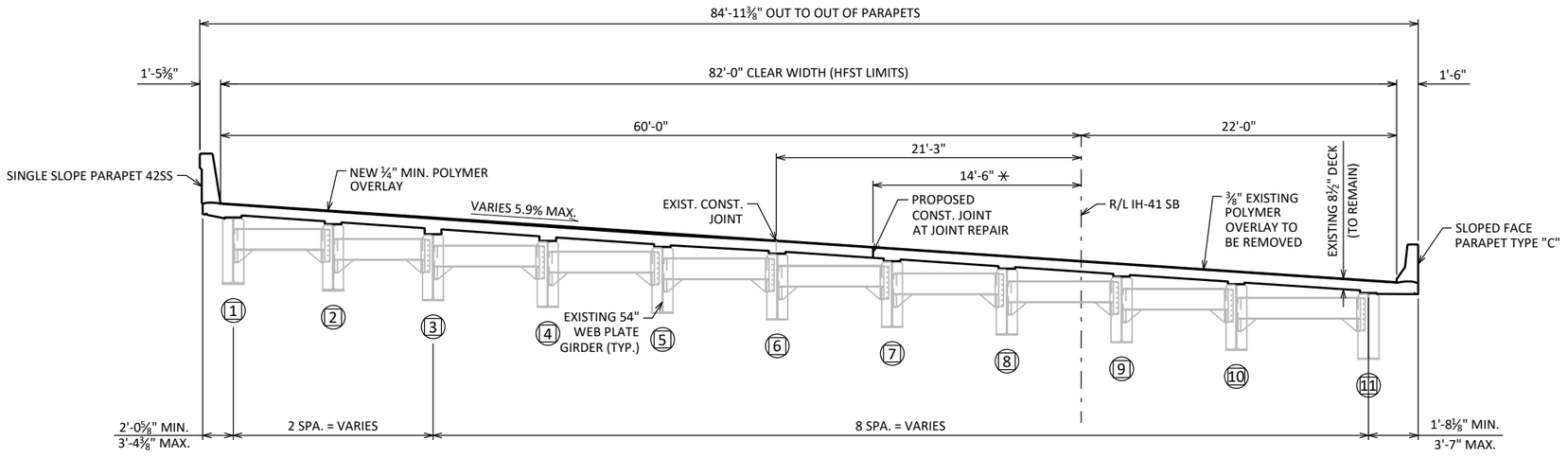
STATE PROJECT NUMBER

1120-57-60



PLAN

2-SPAN CONTINUOUS STEEL GIRDER
JOINT REPAIR & HIGH FRICTION SURFACE
TREATMENT (HFST) POLYMER OVERLAY



CROSS SECTION THRU ROADWAY

LOOKING NORTH
DIMENSIONS TAKEN NORMAL TO R/L

LEGEND

✳ DIMENSIONS TAKEN NORMAL TO R/L

◭ LIMITS OF HFST POLYMER OVERLAY

◯ INDICATES GIRDER NUMBER

DESIGN DATA

LIVE LOAD:

(TAKEN FROM HSI 8/2023)
INVENTORY RATING: HS-27
OPERATING RATING: HS-46
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY: f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT
GRADE 60 f_y = 60,000 PSI

TRAFFIC DATA

IH-41 SB
ADT = 40,500 (2019)
R.D.S. = 75 MPH

GREEN BAY RD
ADT = 52,200 (2034)
R.D.S. = 75 MPH

LIST OF DRAWINGS

1. GENERAL PLAN
2. STAGING, QUANTITIES, AND GENERAL NOTES
3. S. ABUT. JOINT REPAIR DETAILS 1
4. S. ABUT. JOINT REPAIR DETAILS 2
5. N. ABUT. JOINT REPAIR DETAILS 1
6. N. ABUT. JOINT REPAIR DETAILS 2
7. JOINT REPAIR DETAILS 1
8. JOINT REPAIR DETAILS 2
9. EXPANSION DEVICE
10. SINGLE SLOPE PPT. 42SS COVER PLATE DETAILS
11. SLOPED FACE PPT. TYPE "C" COVER PLATE DETAILS

STRUCTURE DESIGN CONTACTS:
RYAN R. HARRIS (608) 266-2963
KYLE H. BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED KHB 8/4/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-70-131

IH-41 SB OVER GREEN BAY RD.

COUNTY	VILLAGE
WINNEBAGO	FOX CROSSING

DESIGN SPEC.
REHABILITATION - N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	DLM	RRH	DLM

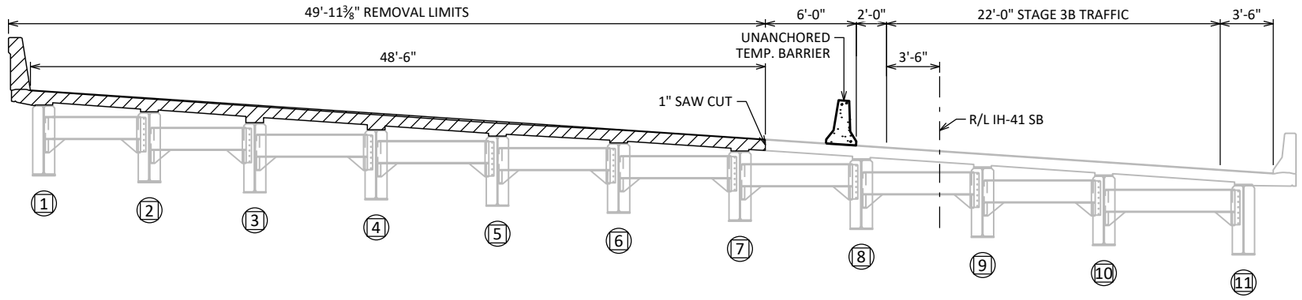
GENERAL PLAN

SHEET 1 OF 11
562

SCALE =

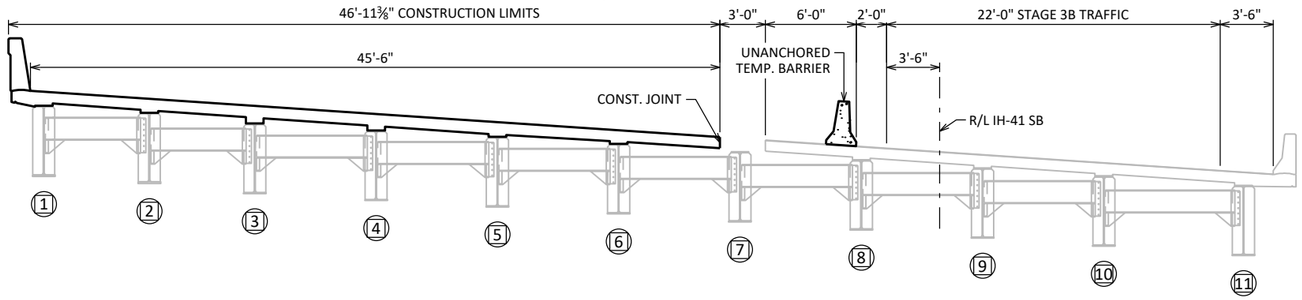
I.D. 1120-57-30W

DATE: JULY 2023



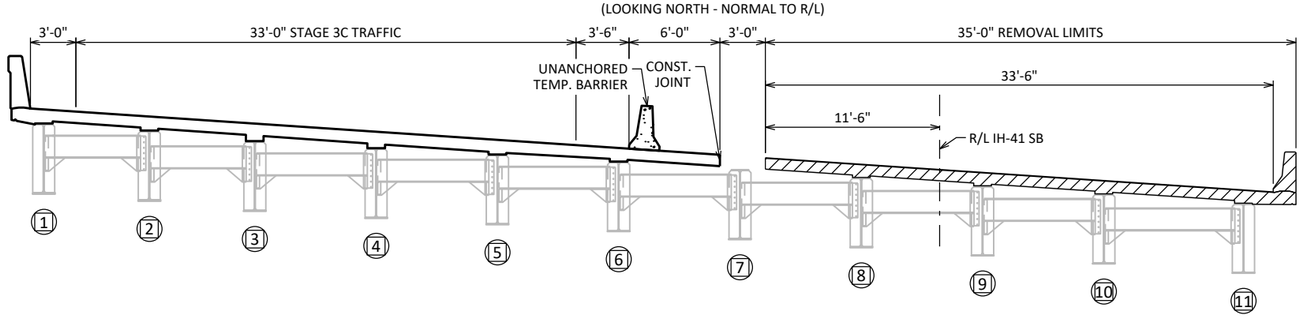
STAGE 3B REMOVAL - AT BOTH ABUTMENTS

(LOOKING NORTH - NORMAL TO R/L)



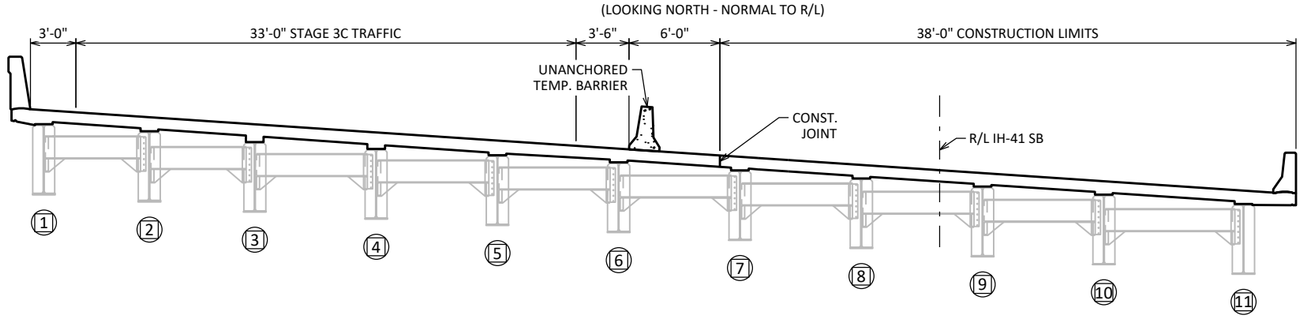
STAGE 3B CONSTRUCTION - AT BOTH ABUTMENTS

(LOOKING NORTH - NORMAL TO R/L)



STAGE 3C REMOVAL - AT BOTH ABUTMENTS

(LOOKING NORTH - NORMAL TO R/L)



STAGE 3C CONSTRUCTION - AT BOTH ABUTMENTS

(LOOKING NORTH - NORMAL TO R/L)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND 2017 REHABILITATION PLANS.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE VERTICAL AND HORIZONTAL FACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS AT NEW PARAPETS WITHIN JOINT REPAIR.

PIGMENTED SURFACE SEALER RESEAL TO BE APPLIED TO THE FRONT FACE AND THE TOP OF EXISTING PARAPETS ALONG LENGTH OF BRIDGE, OUTSIDE OF JOINT REPAIR EXTENTS. SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "PIGMENTED SURFACE SEALER RESEAL".

ANY EXCAVATION NECESSARY TO COMPLETE JOINT REPAIR AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY DECK REPAIR".

SALVAGE EXISTING REINFORCEMENT WHERE SHOWN AND EXTEND FULL LENGTH INTO NEW WORK.

IF EXISTING SALVAGED BAR STEEL REINFORCEMENT IS SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED BARS OF THE SAME SIZE. EMBED 1'-0" INTO EXISTING CONCRETE. WORK TO BE PAID UNDER ITEM "JOINT REPAIR.

TAKE CARE NOT TO DAMAGE EXISTING SHEAR STUDS ON THE TOP FLANGES OF GIRDERS DURING DECK REMOVAL. IF SHEAR STUDS ARE DAMAGED, THEY SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. COST FOR REPAIR OR REPLACEMENT OF DAMAGED SHEAR STUDS IS INCIDENTAL TO "JOINT REPAIR".

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "HIGH FRICTION SURFACE TREATMENT POLYMER OVERLAY".

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS AND PIERS BELOW EXPANSION DEVICES.

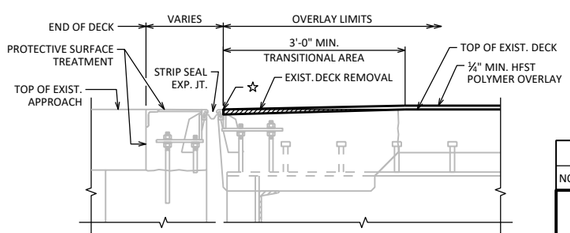
EXISTING PARAPET CONDUIT AND EXPANSION FITTINGS TO BE PRESERVED AT LOCATIONS OF JOINT REPAIR.

SEE ROADWAY PLANS FOR TRAFFIC CONTROL DETAILS AND HFST STAGING.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
502.3101	EXPANSION DEVICE	LF	222
502.3200	PROTECTIVE SURFACE TREATMENT	SY	51
502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	224
502.3210	PIGMENTED SURFACE SEALER	SY	11
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	219
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	6,440
505.0904	BAR COUPLERS NO. 4	EACH	4
505.0906	BAR COUPLERS NO. 6	EACH	10
509.1000	JOINT REPAIR	SY	99
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	53
509.9015.S	REMOVING POLYMER OVERLAY B-70-131	SY	2,500
SPV.0180	HIGH FRICTION SURFACE TREATMENT POLYMER OVERLAY	SY	2,500
	NON-BID ITEMS		
	FILLER	SIZE	1"
	BRIDGE SEAT PROTECTION		



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT EXPANSION JOINT

(TYP. BOTH ABUTMENTS)

☆ ¼" MIN. REMOVAL OF EXIST. DECK AT END OF TRANSITION.

INDICATES GIRDER NUMBER

STATE PROJECT NUMBER

1120-57-60

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

STAGING, QUANTITIES, AND GENERAL NOTES

SHEET 2
563

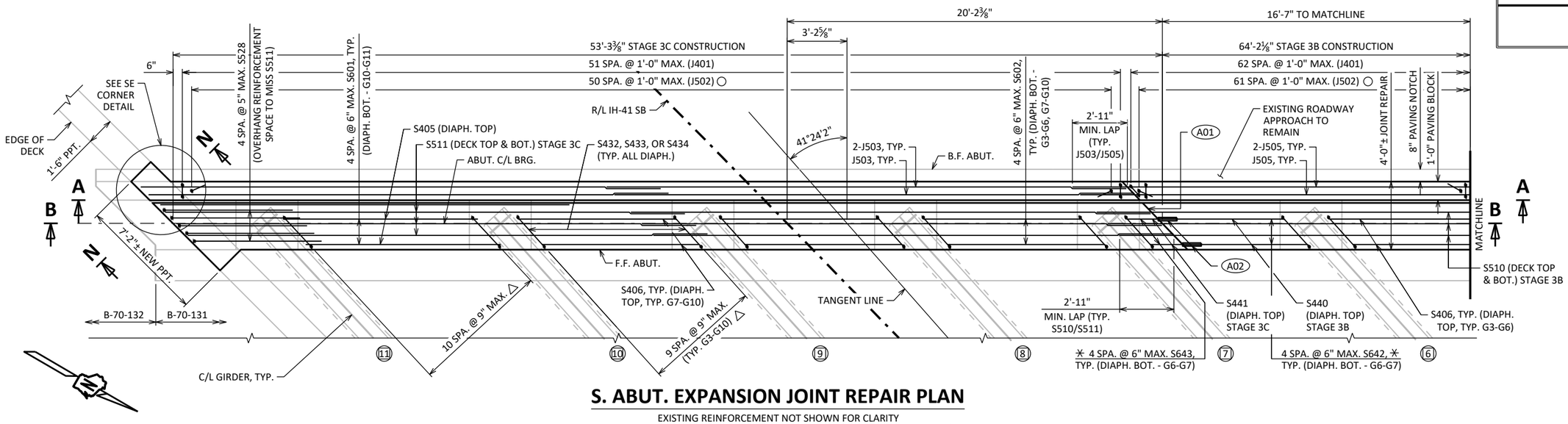
SCALE =

8

8

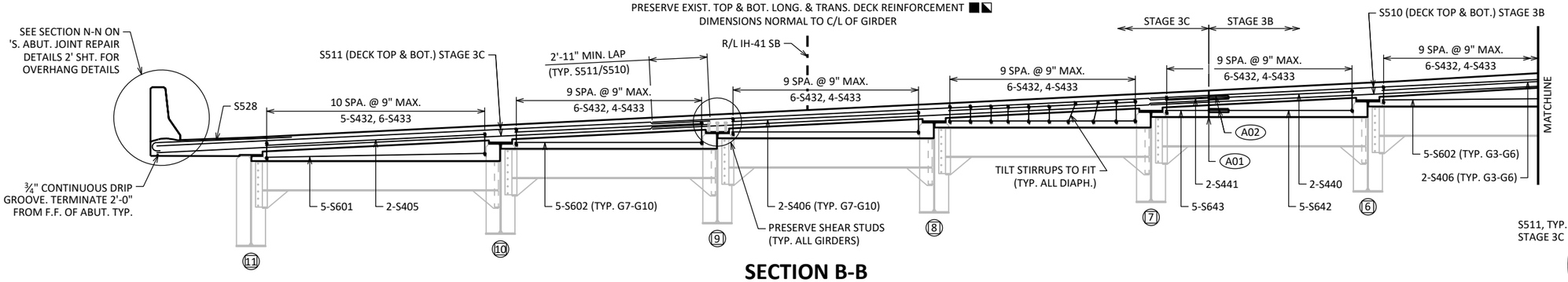
STATE PROJECT NUMBER

1120-57-60



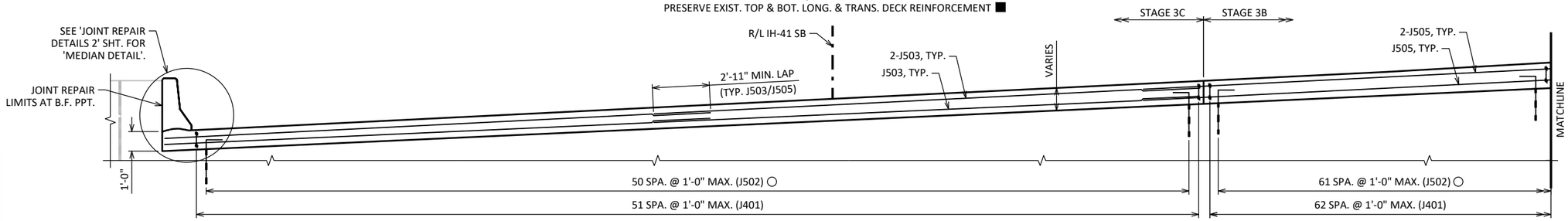
S. ABUT. EXPANSION JOINT REPAIR PLAN

EXISTING REINFORCEMENT NOT SHOWN FOR CLARITY
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■◪
DIMENSIONS NORMAL TO C/L OF GIRDER



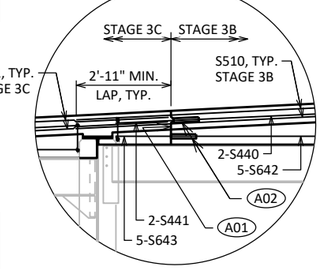
SECTION B-B

SECTION THRU C/L OF ABUT. LOOKING SW
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■



SECTION A-A

SECTION THRU C/L OF ABUT. BACKWALL LOOKING SW



BAR COUPLER DETAIL

NOTE: ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

EXISTING TRANS. DECK REINFORCEMENT PLACED RADIALLY.

EXISTING ROADWAY APPROACH SLABS ARE TO REMAIN IN PLACE.

⚹ SEE TABLES ON 'JOINT REPAIR DETAILS 1' SHEET FOR REINFORCEMENT QUANTITY AND LOCATION.

△ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L GIRDERS.

★ PLACE NEW TRANSVERSE BARS ALONG THE SKEW.

■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION. DAMAGED/DE-BONDED EPOXY COATING SHALL BE REPAIRED/RE-COATED IN ACCORDANCE WITH SECTION 509.3.1 OF THE STANDARD SPECIFICATIONS. PREPARE/CLEAN STEEL AS REQUIRED TO APPLY NEW COATING.

○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◪ SAVE AND INCORPORATE 1'-6" MIN. OF TRANSVERSE REINFORCING BARS AND FULL LENGTH OF LONGITUDINAL BARS INTO NEW WORK.

(A01) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8".

(A02) BAR COUPLERS REQUIRED. BAR LENGTH COMPUTED TO C/L OF LONGIT. JOINT & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

(⬡) INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

S. ABUT. JOINT REPAIR DETAILS 1

SHEET 3
564

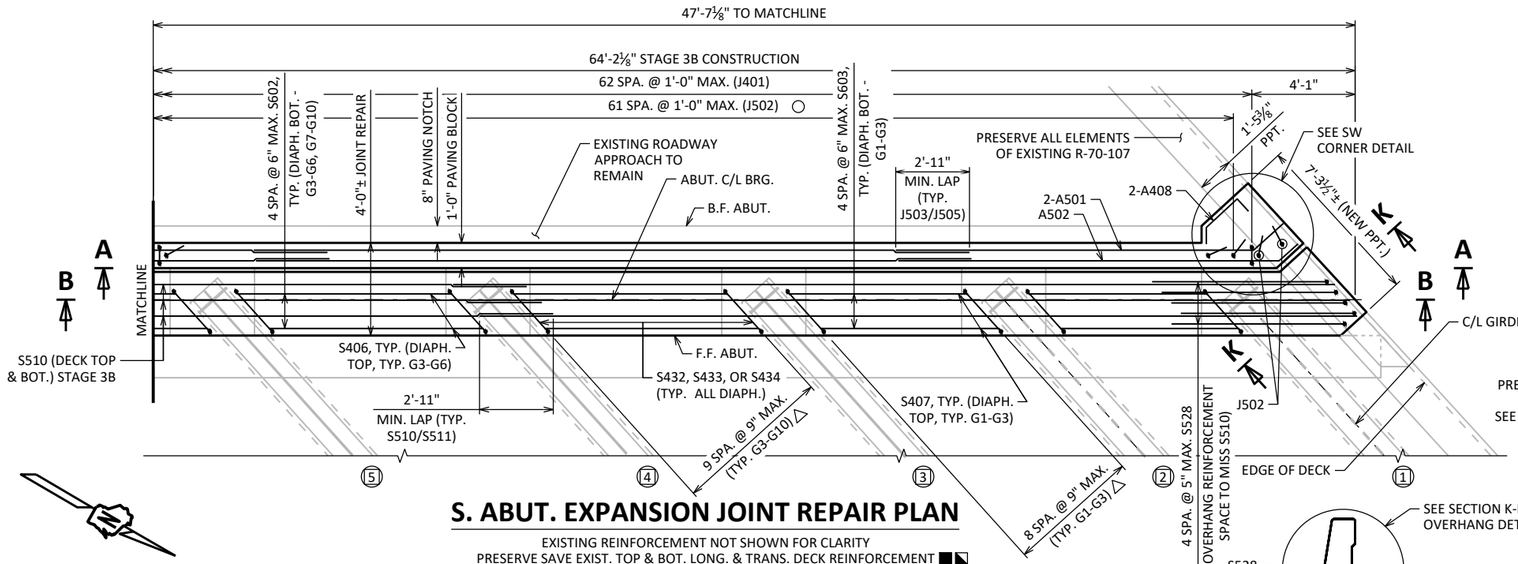
SCALE =

8

8

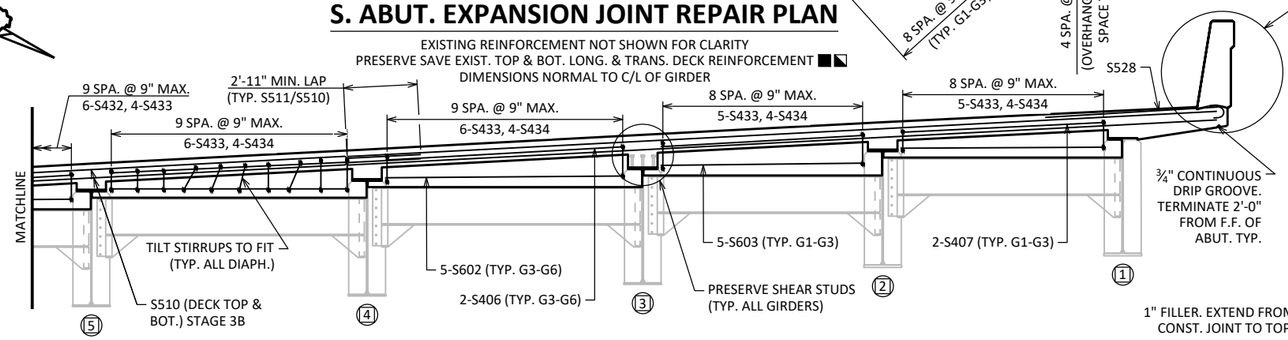
STATE PROJECT NUMBER

1120-57-60



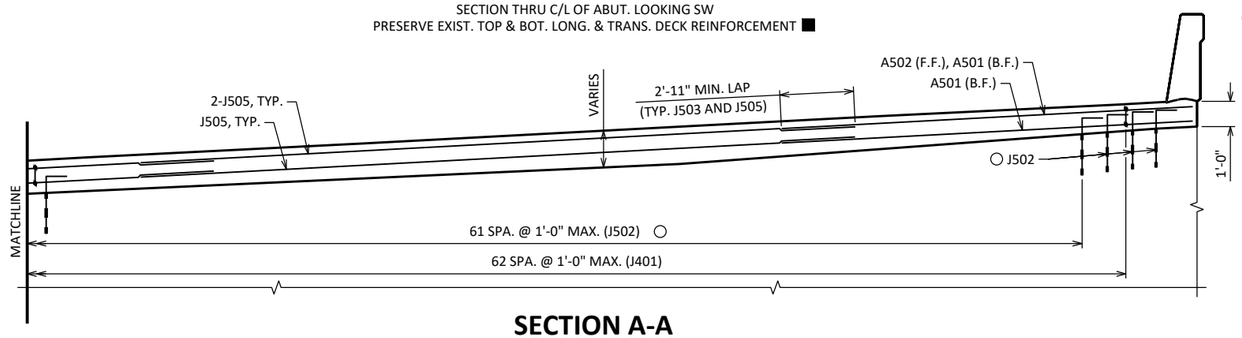
S. ABUT. EXPANSION JOINT REPAIR PLAN

EXISTING REINFORCEMENT NOT SHOWN FOR CLARITY
PRESERVE SAVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■ ◪
DIMENSIONS NORMAL TO C/L OF GIRDER



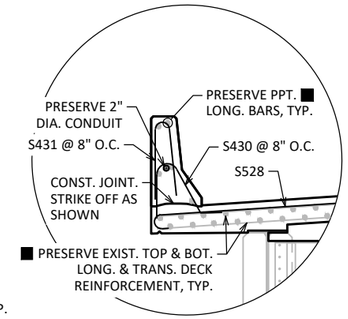
SECTION B-B

SECTION THRU C/L OF ABUT. LOOKING SW
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■



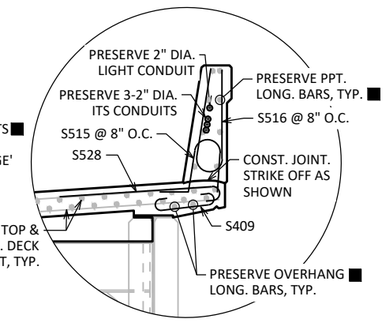
SECTION A-A

SECTION THRU C/L OF ABUT. BACKWALL LOOKING SW



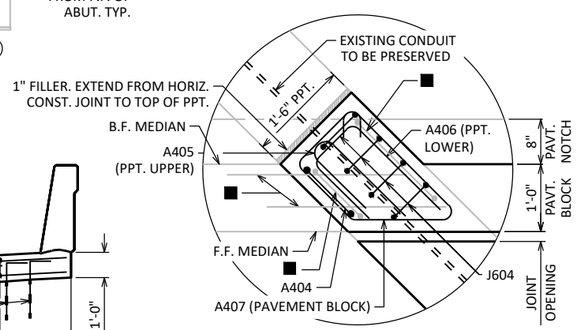
SECTION N-N OVERHANG DETAIL

PRESERVE EXIST. DECK REINFORCEMENT ANCHORING BEYOND REPAIR LIMITS ■
DIAPH. REINFORCEMENT NOT SHOWN FOR CLARITY
SEE 'JOINT REPAIR DETAILS 1' SHEET FOR 'SECTION THRU PARAPET ON BRIDGE'



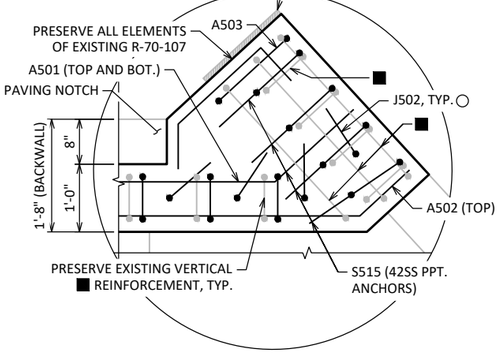
SECTION K-K OVERHANG DETAIL

PRESERVE EXIST. DECK REINFORCEMENT ANCHORING BEYOND REPAIR LIMITS ■
DIAPH. REINFORCEMENT NOT SHOWN FOR CLARITY
SEE 'JOINT REPAIR DETAILS 1' SHEET FOR 'SECTION THRU PARAPET ON BRIDGE'



SE CORNER DETAIL

ADJACENT REINFORCEMENT NOT SHOWN FOR CLARITY



SW CORNER DETAIL

SHOWING PAVEMENT BLOCK REPLACEMENT ONLY

NOTE: ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

EXISTING TRANS. DECK REINFORCEMENT PLACED RADIALLY.

EXISTING ROADWAY APPROACH SLABS ARE TO REMAIN IN PLACE.

✳ SEE TABLES ON 'JOINT REPAIR DETAILS 1' SHEET FOR REINFORCEMENT QUANTITY AND LOCATION.

△ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L GIRDERS.

★ PLACE NEW TRANSVERSE BARS ALONG THE SKEW.

■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION. DAMAGED/DE-BONDED EPOXY COATING SHALL BE REPAIRED/RE-COATED IN ACCORDANCE WITH SECTION 509.3.1 OF THE STANDARD SPECIFICATIONS. PREPARE/CLEAN STEEL AS REQUIRED TO APPLY NEW COATING.

○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◪ SAVE AND INCORPORATE 1'-6" MIN. OF TRANSVERSE REINFORCING BARS AND FULL LENGTH OF LONGITUDINAL BARS INTO NEW WORK.

(A01) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8".

(A02) BAR COUPLERS REQUIRED. BAR LENGTH COMPUTED TO C/L OF LONGIT. JOINT & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

⬡ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

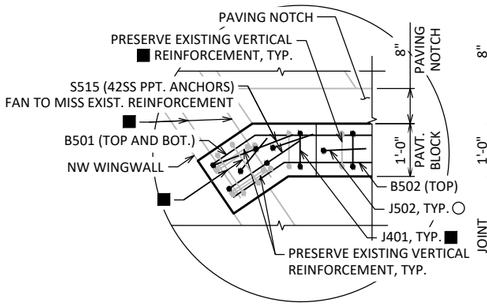
S. ABUT. JOINT REPAIR DETAILS 2

SHEET 4
565

SCALE =

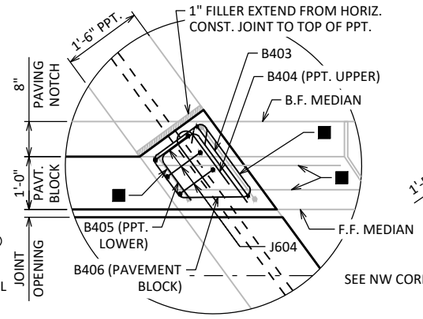
STATE PROJECT NUMBER

1120-57-60



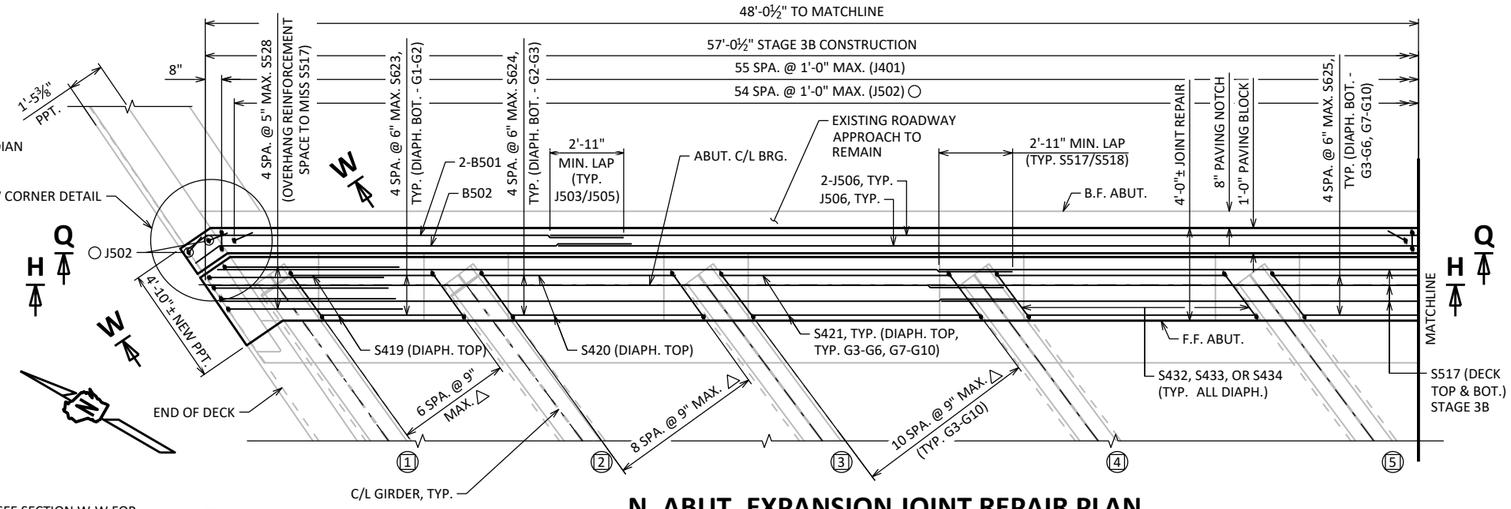
NW CORNER DETAIL

SHOWING PAVEMENT BLOCK REPLACEMENT ONLY
NO 1" FILLER AT NW CORNER



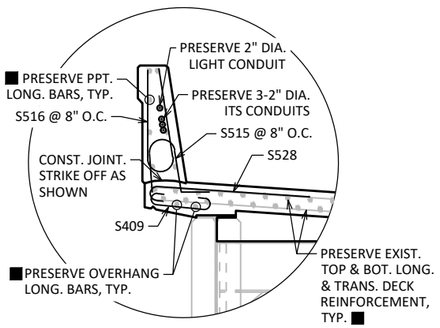
NE CORNER DETAIL

ADJACENT REINFORCEMENT NOT SHOWN FOR CLARITY



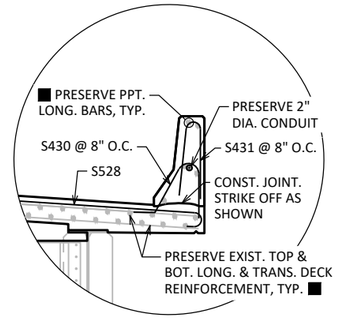
N. ABUT. EXPANSION JOINT REPAIR PLAN

EXISTING REINFORCEMENT NOT SHOWN FOR CLARITY
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■◣
DIMENSIONS NORMAL TO C/L OF GIRDER



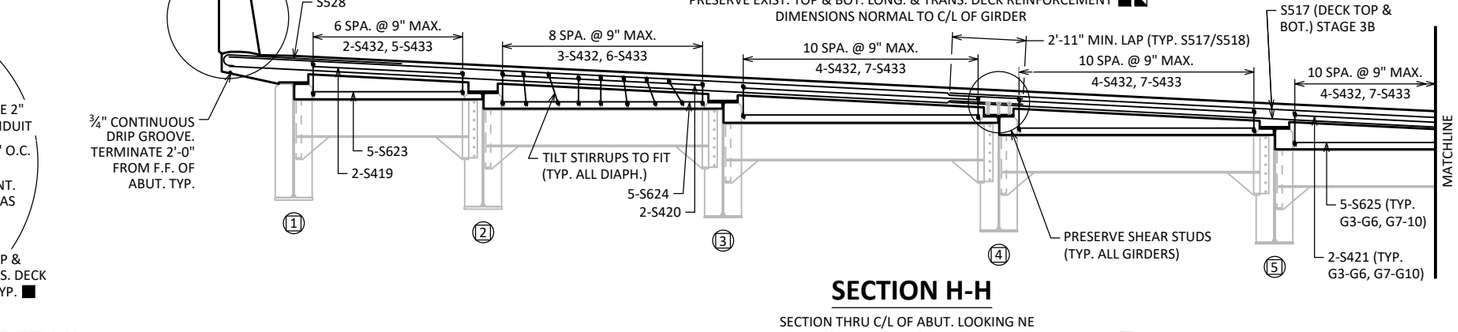
SECTION W-W OVERHANG DETAIL

PRESERVE EXIST. DECK REINFORCEMENT ANCHORING BEYOND REPAIR LIMITS ■
DIAPH. REINFORCEMENT NOT SHOWN FOR CLARITY
SEE 'JOINT REPAIR DETAILS 1' SHEET FOR 'SECTION THRU PARAPET ON BRIDGE'



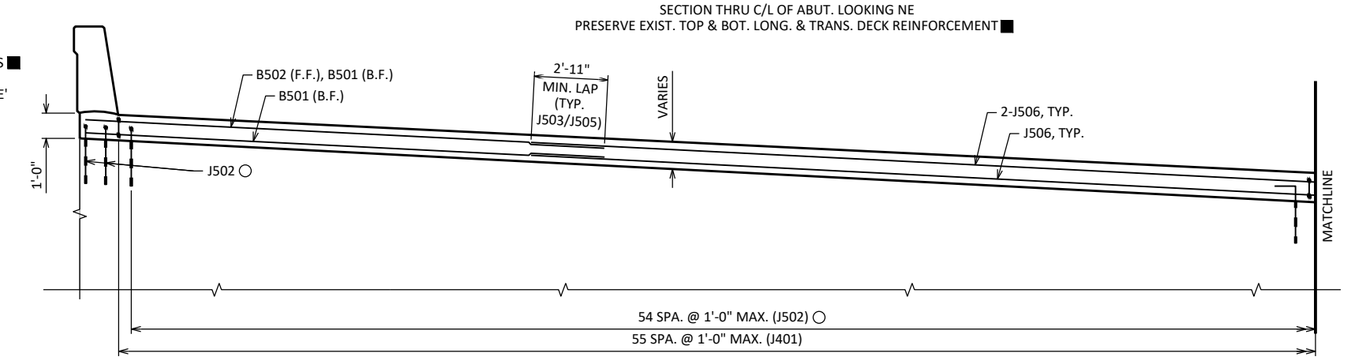
SECTION Z-Z OVERHANG DETAIL

PRESERVE EXIST. DECK REINFORCEMENT ANCHORING BEYOND REPAIR LIMITS ■
DIAPH. REINFORCEMENT NOT SHOWN FOR CLARITY
SEE 'JOINT REPAIR DETAILS 1' SHEET FOR 'SECTION THRU PARAPET ON BRIDGE'



SECTION H-H

SECTION THRU C/L OF ABUT. LOOKING NE
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT■



SECTION Q-Q

SECTION THRU C/L OF ABUT. BACKWALL LOOKING NE

NOTE: ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

EXISTING TRANS. DECK REINFORCEMENT PLACED RADIALLY.

EXISTING ROADWAY APPROACH SLABS ARE TO REMAIN IN PLACE.

✳ SEE TABLES ON 'JOINT REPAIR DETAILS 1' SHEET FOR REINFORCEMENT QUANTITY AND LOCATION.

△ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L GIRDERS.

★ PLACE NEW TRANSVERSE BARS ALONG THE SKEW.

■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION. DAMAGED/DE-BONDED EPOXY COATING SHALL BE REPAIRED/RE-COATED IN ACCORDANCE WITH SECTION 509.3.1 OF THE STANDARD SPECIFICATIONS. PREPARE/CLEAN STEEL AS REQUIRED TO APPLY NEW COATING.

○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◣ SAVE AND INCORPORATE 1'-6" MIN. OF TRANSVERSE REINFORCING BARS AND FULL LENGTH OF LONGITUDINAL BARS INTO NEW WORK.

(A01) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8".

(A02) BAR COUPLERS REQUIRED. BAR LENGTH COMPUTED TO C/L OF LONGIT. JOINT & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

(1) INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

N. ABUT. JOINT REPAIR DETAILS 1

SHEET 5
566

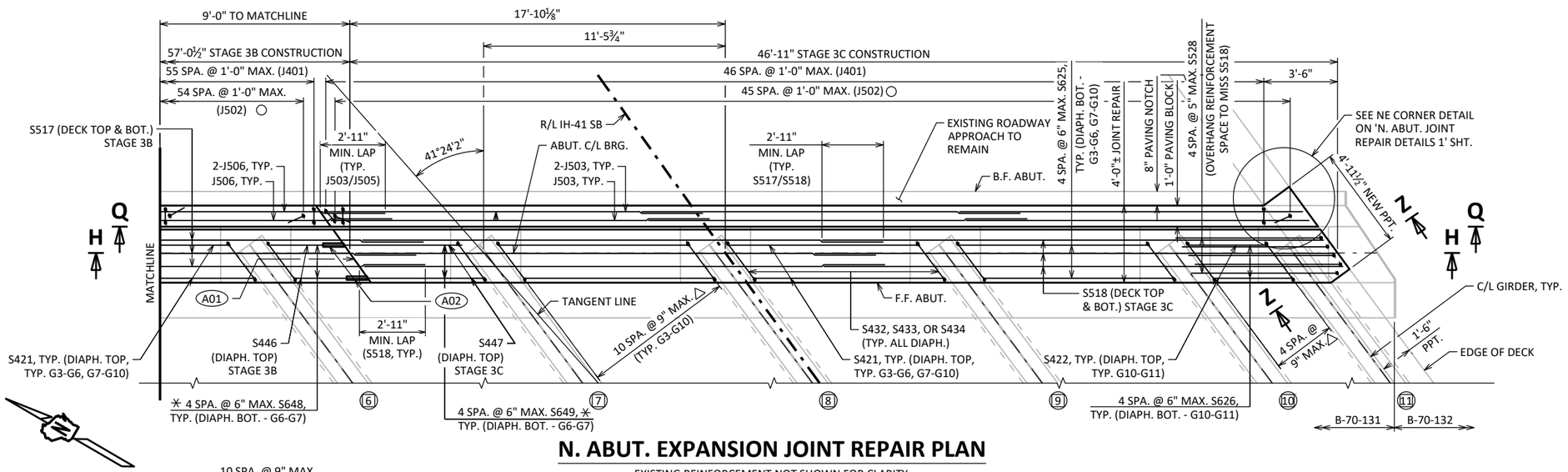
SCALE =

8

8

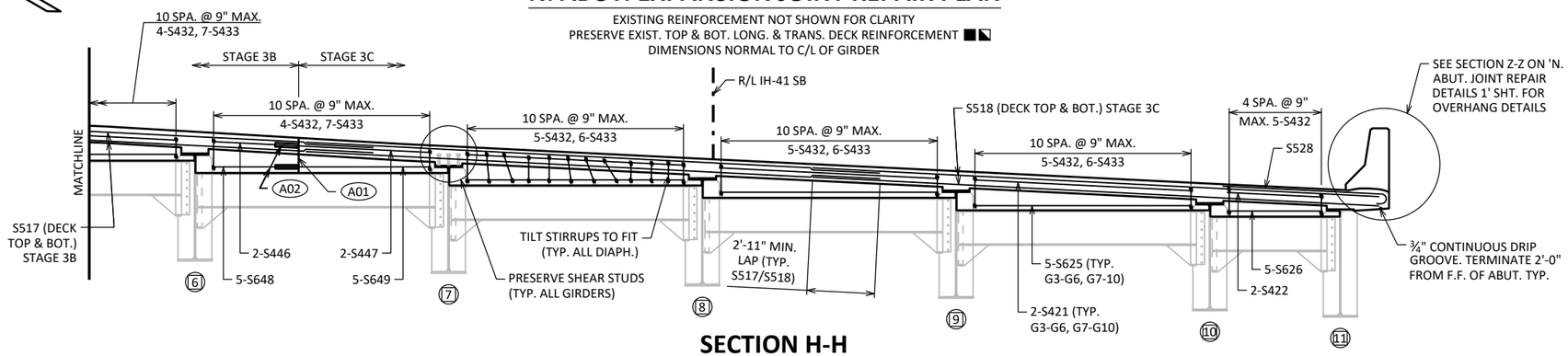
STATE PROJECT NUMBER

1120-57-60



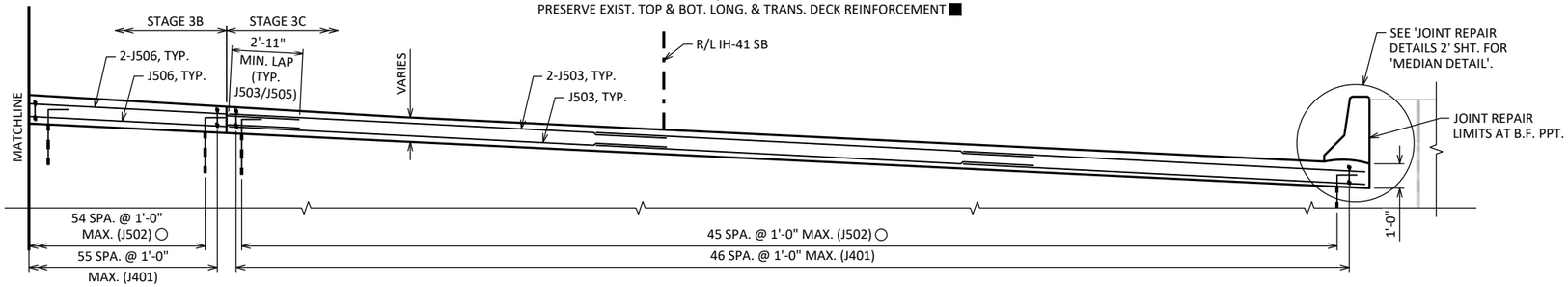
N. ABUT. EXPANSION JOINT REPAIR PLAN

EXISTING REINFORCEMENT NOT SHOWN FOR CLARITY
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■◥
DIMENSIONS NORMAL TO C/L OF GIRDER



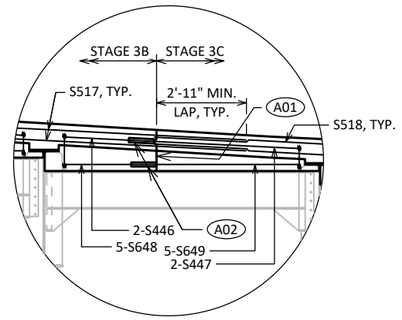
SECTION H-H

SECTION THRU C/L OF ABUT. LOOKING NE
PRESERVE EXIST. TOP & BOT. LONG. & TRANS. DECK REINFORCEMENT ■



SECTION Q-Q

SECTION THRU C/L OF ABUT. BACKWALL LOOKING NE



BAR COUPLER DETAIL

⚹ SEE TABLES ON 'JOINT REPAIR DETAILS 1' SHEET FOR REINFORCEMENT QUANTITY AND LOCATION.

△ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L GIRDERS.

★ PLACE NEW TRANSVERSE BARS ALONG THE SKEW.

■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION. DAMAGED/DE-BONDED EPOXY COATING SHALL BE REPAIRED/RE-COATED IN ACCORDANCE WITH SECTION 509.3.1 OF THE STANDARD SPECIFICATIONS. PREPARE/CLEAN STEEL AS REQUIRED TO APPLY NEW COATING.

○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◥ SAVE AND INCORPORATE 1'-6" MIN. OF TRANSVERSE REINFORCING BARS AND FULL LENGTH OF LONGITUDINAL BARS INTO NEW WORK.

(A01) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 8".

(A02) BAR COUPLERS REQUIRED. BAR LENGTH COMPUTED TO C/L OF LONGIT. JOINT & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

(6) INDICATES GIRDER NUMBER

NOTE: ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

EXISTING TRANS. DECK REINFORCEMENT PLACED RADIALLY.

EXISTING ROADWAY APPROACH SLABS ARE TO REMAIN IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

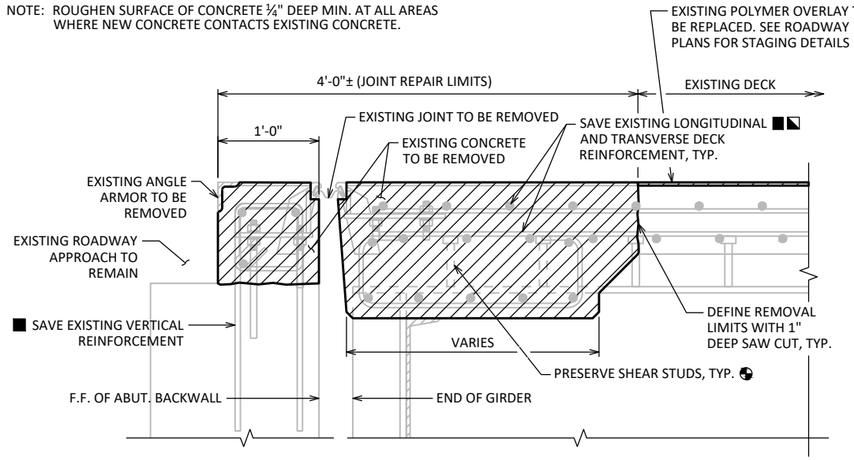
DRAWN BY RRH | PLANS CK'D DLM

N. ABUT. JOINT REPAIR DETAILS 2

SHEET 6
567

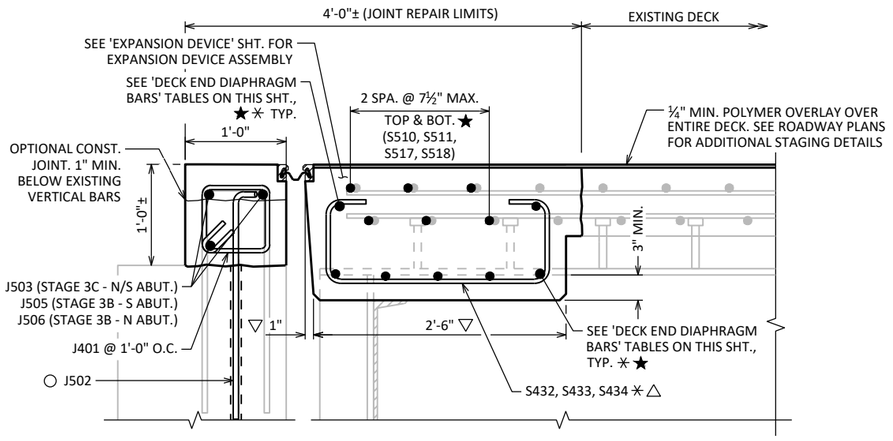
SCALE =

NOTE: ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.



EXISTING JOINT REMOVAL AT END DIAPHRAGMS

DIMENSIONS GIVEN ARE NORMAL TO C/L OF ABUTMENT



SECTION THRU PROPOSED JOINT AT END DIAPHRAGMS

DIMENSIONS GIVEN ARE NORMAL TO C/L OF ABUTMENT
STRIP SEAL EXPANSION DEVICE ASSEMBLY NOT SHOWN FOR CLARITY
SEE 'EXPANSION DEVICE' SHEET FOR ADDITIONAL EXPANSION DEVICE REINFORCEMENT

STATE PROJECT NUMBER

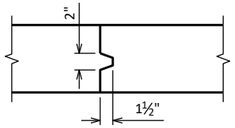
1120-57-60

LOCATION OF BARS BETWEEN GIRDERS	TOP LONGITUDINAL		BOTTOM LONGITUDINAL		EXP. JOINT LONGITUDINAL	
	BAR MARK	NO. REQ'D	BAR MARK	NO. REQ'D	BAR MARK	NO. REQ'D
G1-G2	S407	2	S603	5	S412	2
G2-G3	S407	2	S603	5	S412	2
G3-G4	S406	2	S602	5	S408	2
G4-G5	S406	2	S602	5	S408	2
G5-G6	S406	2	S602	5	S408	2
◓ G6-G7	S440/S441	2	S642/S643	5	S444/S445	2
G7-G8	S406	2	S602	5	S408	2
G8-G9	S406	2	S602	5	S408	2
G9-G10	S406	2	S602	5	S408	2
G10-G11	S405	2	S601	5	S404	2

DECK END DIAPHRAGM BARS SOUTH ABUTMENT

LOCATION OF BARS BETWEEN GIRDERS	TOP LONGITUDINAL		BOTTOM LONGITUDINAL		EXP. JOINT LONGITUDINAL	
	BAR MARK	NO. REQ'D	BAR MARK	NO. REQ'D	BAR MARK	NO. REQ'D
G1-G2	S419	2	S623	5	S413	2
G2-G3	S420	2	S624	5	S436	2
G3-G4	S421	2	S625	5	S437	2
G4-G5	S421	2	S625	5	S437	2
G5-G6	S421	2	S625	5	S437	2
◓ G6-G7	S446/S447	2	S648/S649	5	S450/S451	2
G7-G8	S421	2	S625	5	S437	2
G8-G9	S421	2	S625	5	S437	2
G9-G10	S421	2	S625	5	S437	2
G10-G11	S422	2	S626	5	S438	2

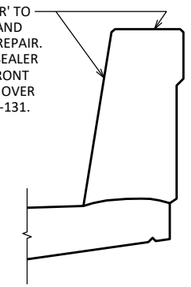
DECK END DIAPHRAGM BARS NORTH ABUTMENT



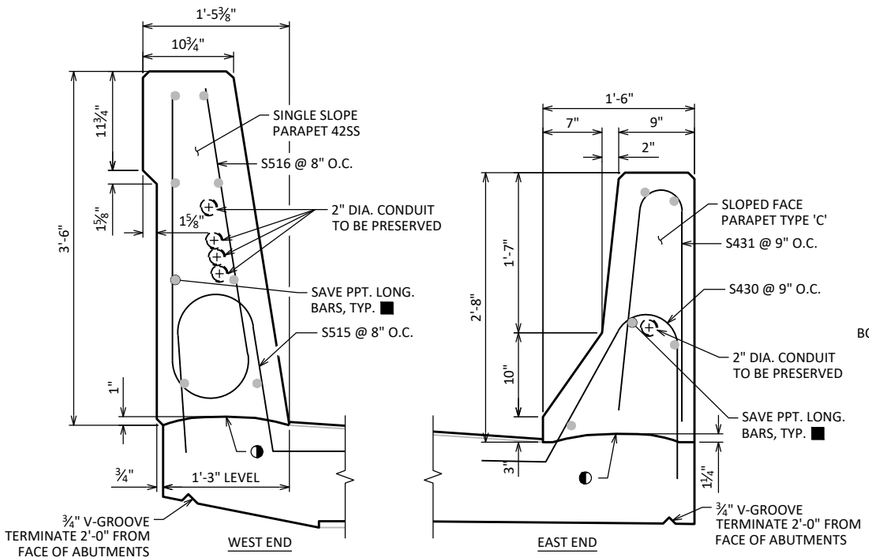
SECTION THRU JOINT

REINFORCEMENT NOT SHOWN FOR CLARITY

'PIGMENTED SURFACE SEALER' TO BE APPLIED TO FRONT FACE AND TOP OF PARAPETS AT JOINT REPAIR. AND 'PIGMENTED SURFACE SEALER RESEAL' TO BE APPLIED TO FRONT FACE AND TOP OF PARAPETS OVER REMAINING LENGTH OF B-70-131.

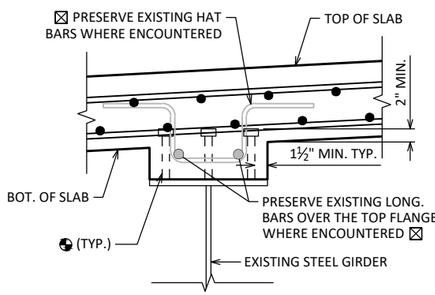


SECTION THRU PARAPET



SECTION THRU PARAPET ON BRIDGE

CONST. JOINT STRIKE OFF AS SHOWN ◐



HAUNCH REINFORCEMENT DETAIL

LEGEND

- ✳ SEE TABLES ON THIS SHEET FOR REINFORCEMENT QUANTITY AND LOCATION.
- △ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L GIRDERS.
- ★ PLACE NEW REINFORCEMENT ALONG SKEW.
- ■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION.
- ○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.
- ◓ EXISTING SHEAR STUDS TO BE PRESERVED, INSPECTED BY THE FIELD ENGINEER, AND INCORPORATED INTO THE NEW CONSTRUCTION. REPLACEMENT OF DAMAGED SHEAR STUDS SHALL BE INCIDENTAL TO "JOINT REPAIR".
- ◪ SAVE AND INCORPORATE 1'-6" MIN. OF TRANSVERSE REINFORCING BARS AND FULL LENGTH OF LONGITUDINAL BARS INTO NEW WORK.
- ◓ REINFORCEMENT PASSES THRU CONSTRUCTION JOINT. BAR COUPLERS REQUIRED. SEE NORTH AND SOUTH 'JOINT REPAIR DETAILS' SHEETS FOR DETAILS.
- ☒ IF DAMAGED, REPAIR OR REPLACE TO THE SATISFACTION OF THE ENGINEER. COST FOR REPAIR OR REPLACEMENT IS INCIDENTAL TO "JOINT REPAIR".
- ▽ DIMENSION IS TAKEN NORMAL TO C/L ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

JOINT REPAIR DETAILS 1

SHEET 7
568

SCALE =

8

8

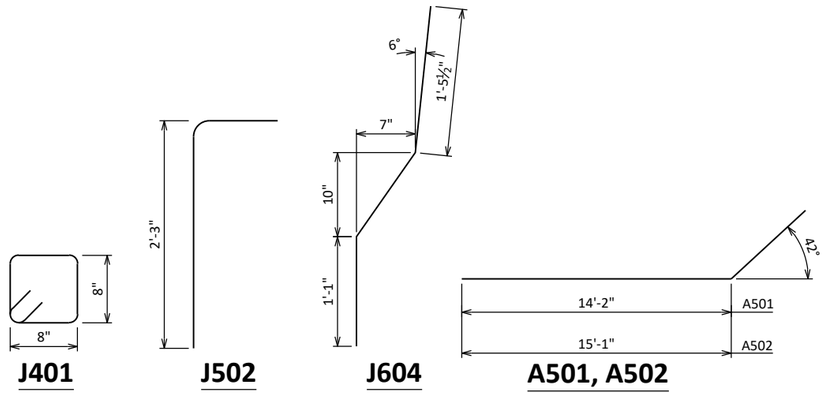
STATE PROJECT NUMBER

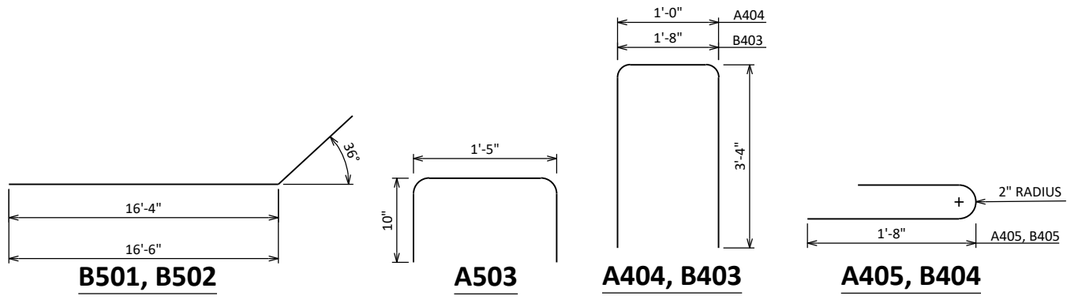
1120-57-60

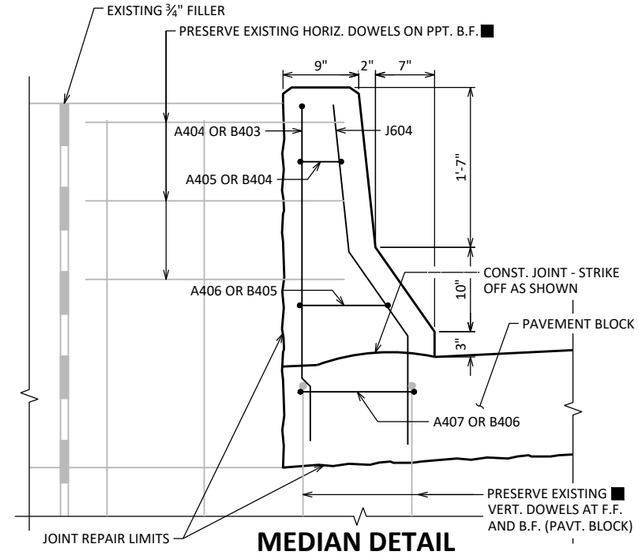
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
J401	X	218	3'-2"	X		PAVEMENT BLOCK - VERT. TIE
○ J502	X	219	3'-0"	X		PAVEMENT BLOCK - VERT. DOWEL
J503	X	12	28'-0"			PAVEMENT BLOCK - NORTH/SOUTH - LONG. - STAGE 3C
J604	X	7	3'-6"	X		PPT. AT PAVT. BLOCK - VERT. DOWEL
J505	X	6	28'-4"			PAVEMENT BLOCK - SOUTH - LONG. STAGE 3B
J506	X	3	45'-1"			PAVEMENT BLOCK - NORTH - LONG. - STAGE 3B
A501	X	2	15'-9"	X		SW CORNER PAVEMENT BLOCK B.F. - LONG.
A502	X	1	16'-1"	X		SW CORNER PAVEMENT BLOCK F.F. - LONG.
A503	X	1	2'-10"	X		SW CORNER PAVEMENT BLOCK - VERT. STIRRUP
A404	X	1	7'-6"	X		SE PPT. AT PAVT. BLOCK - VERT. DOWEL
A405	X	1	3'-0"	X		SE PPT. AT PAVT. BLOCK - TOP HORIZ. STIRRUP
A406	X	1	3'-8"	X		SE PPT. AT PAVT. BLOCK - MID. HORIZ. STIRRUP
A407	X	1	6'-10"	X		SE PPT. AT PAVT. BLOCK - LOWER HORIZ. STIRRUP
A408	X	2	2'-11"	X		SW CORNER PAVEMENT BLOCK B.F. - HORIZ. STIRRUP
B501	X	2	17'-6"	X		NW CORNER PAVEMENT BLOCK B.F. - LONG.
B502	X	1	17'-6"	X		NW CORNER PAVEMENT BLOCK F.F. - LONG.
B403	X	1	8'-2"	X		NE PPT. AT PAVT. BLOCK - VERT. DOWEL
B404	X	1	3'-0"	X		NE PPT. AT PAVT. BLOCK - TOP HORIZ. STIRRUP
B405	X	1	3'-4"	X		NE PPT. AT PAVT. BLOCK - MID. HORIZ. STIRRUP
B406	X	1	5'-8"	X		NE PPT. AT PAVT. BLOCK - LOWER HORIZ. STIRRUP
S601	X	5	10'-6"			S. DIAPH. BOT - TRANS. HORIZ. - G10-G11
S602	X	30	8'-11"			S. DIAPH. BOT - TRANS. HORIZ. - G3-G6, G7-G10
S603	X	10	7'-6"			S. DIAPH. BOT - TRANS. HORIZ. - G1-G3
S404	X	2	10'-6"			S. EXPANSION DEVICE - TRANS. HORIZ. - G10-G11
S405	X	2	10'-6"			S. DIAPH. TOP - TRANS. HORIZ. - G10-G11
S406	X	12	8'-11"			S. DIAPH. TOP - TRANS. HORIZ. - G3-G6, G7-G10
S407	X	4	7'-6"			S. DIAPH. TOP - TRANS. HORIZ. - G1-G3
S408	X	12	8'-11"			S. EXPANSION DEVICE - TRANS. HORIZ. - G3-G6, G7-G10
S409	X	12	4'-0"	X		W. DECK OVERHANG BOT. - TRANS. HORIZ.
S510	X	12	34'-11"			S. ABUT. DECK TOP & BOT. - TRANS. HORIZ. - STAGE 3B
S511	X	12	28'-0"			S. ABUT. DECK TOP & BOT. - TRANS. HORIZ. - STAGE 3C
S412	X	4	7'-6"			S. EXPANSION DEVICE - TRANS. HORIZ. - G1-G3
S413	X	2	5'-8"			N. EXPANSION DEVICE - TRANS. HORIZ. - G1-G2
--	--	--	--	--	--	NOT USED
S515	X	17	4'-5"	X		W. PPT. - VERT.
S516	X	17	6'-8"	X		W. PPT. - VERT.
S517	X	12	31'-6"			N. ABUT. DECK TOP & BOT. - TRANS. HORIZ. - STAGE 3B
S518	X	12	24'-9"			N. ABUT. DECK TOP & BOT. - TRANS. HORIZ. - STAGE 3C
S419	X	2	5'-8"			N. DIAPH. TOP - TRANS. HORIZ. - G1-G2
S420	X	2	7'-8"			N. DIAPH. TOP - TRANS. HORIZ. - G2-G3
S421	X	14	9'-1"			N. DIAPH. TOP - TRANS. HORIZ. G3-G6, G7-G10
S422	X	2	3'-9"			N. DIAPH. TOP - TRANS. HORIZ. - G10-G11
S623	X	5	5'-8"			N. DIAPH. BOT. - TRANS. HORIZ. - G1-G2
S624	X	5	7'-8"			N. DIAPH. BOT. - TRANS. HORIZ. - G2-G3
S625	X	30	9'-1"			N. DIAPH. BOT. - TRANS. HORIZ. - G3-G6, G7-G10
S626	X	5	3'-9"			N. DIAPH. BOT. - TRANS. HORIZ. - G10-G11
--	--	--	--	--	--	NOT USED
S528	X	20	7'-6"	X		DECK OVERHANG TOP - TRANS. HORIZ.
--	--	--	--	--	--	NOT USED
S430	X	14	4'-3"	X		E. PPT. - VERT.
S431	X	14	4'-9"	X		E. PPT. - VERT.
S432	X	76	5'-4"	X		DIAPH. - VERT. STIRRUP
S433	X	105	6'-0"	X		DIAPH. - VERT. STIRRUP
S434	X	16	5'-11"	X	--	DIAPH. - VERT. STIRRUP
--	--	--	--	--	--	NOT USED
S436	X	2	7'-8"			N. EXPANSION DEVICE - TRANS. HORIZ. - G2-G3
S437	X	12	9'-1"			N. EXPANSION DEVICE - TRANS. HORIZ. - G3-G6, G7-10
S438	X	2	3'-9"			N. EXPANSION DEVICE - TRANS. HORIZ. - G10-G11
--	--	--	--	--	--	NOT USED
◒ S440	X	2	6'-10"			S. DIAPH. TOP - TRANS. HORIZ. - STAGE 3B
S441	X	2	2'-0"			S. DIAPH. TOP - TRANS. HORIZ. - STAGE 3C
◒ S642	X	5	6'-10"			S. DIAPH. BOT - TRANS. HORIZ. - STAGE 3B
S643	X	5	2'-0"			S. DIAPH. BOT - TRANS. HORIZ. - STAGE 3C
S444	X	2	6'-9"			S. EXPANSION DEVICE - TRANS. HORIZ. - STAGE 3B
S445	X	2	6'-9"			S. EXPANSION DEVICE - TRANS. HORIZ. - STAGE 3C
◒ S446	X	2	3'-5"			N. DIAPH. TOP - TRANS. HORIZ. - STAGE 3B
S447	X	2	5'-7"			N. DIAPH. TOP - TRANS. HORIZ. - STAGE 3C
◒ S648	X	5	3'-5"			N. DIAPH. BOT. - TRANS. HORIZ. - STAGE 3B
S649	X	5	5'-7"			N. DIAPH. BOT. - TRANS. HORIZ. - STAGE 3C
S450	X	2	6'-9"			N. EXPANSION DEVICE - TRANS. HORIZ. - STAGE 3B
S451	X	2	6'-9"			N. EXPANSION DEVICE - TRANS. HORIZ. - STAGE 3C

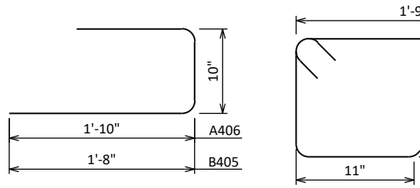


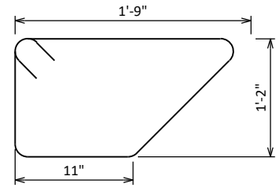


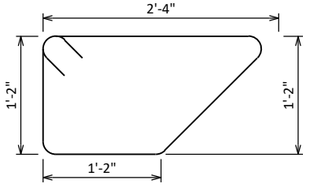


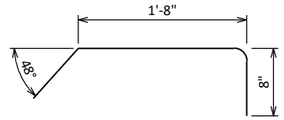
MEDIAN DETAIL

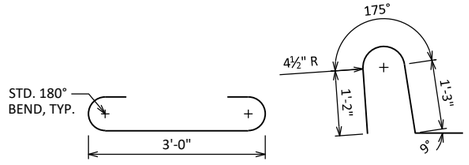
SE MEDIAN SHOWN, NE CORNER SIMILAR.
SECTION THRU PPT. AT PAVEMENT BLOCK

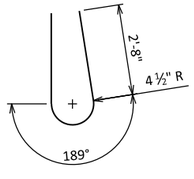


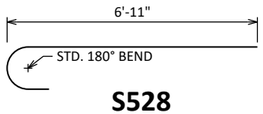


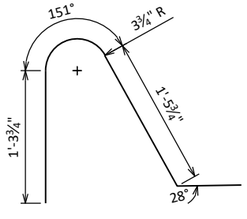


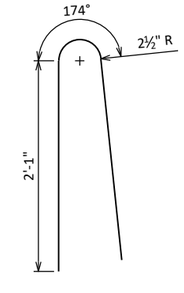


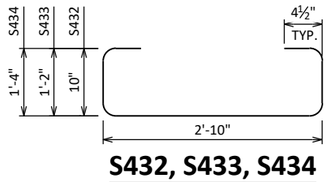












LEGEND

■ EXISTING BAR STEEL REINFORCEMENT SHALL BE INSPECTED BY THE FIELD ENGINEER, SHOT BLASTED, STRAIGHTENED, EPOXY PAINTED, AND INCORPORATED INTO THE NEW CONSTRUCTION.

◒ BAR COUPLERS REQUIRED. BAR LENGTH COMPUTED TO C/L OF LONGIT. JOINT & SHALL BE MODIFIED IF REQ'D. TO THE BAR COUPLER MANUFACTURER RECOMMENDATIONS. PAY BASED ON BARS AS DETAILED.

○ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" MIN. INTO CONCRETE, SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

JOINT REPAIR DETAILS 2

SHEET 8
569

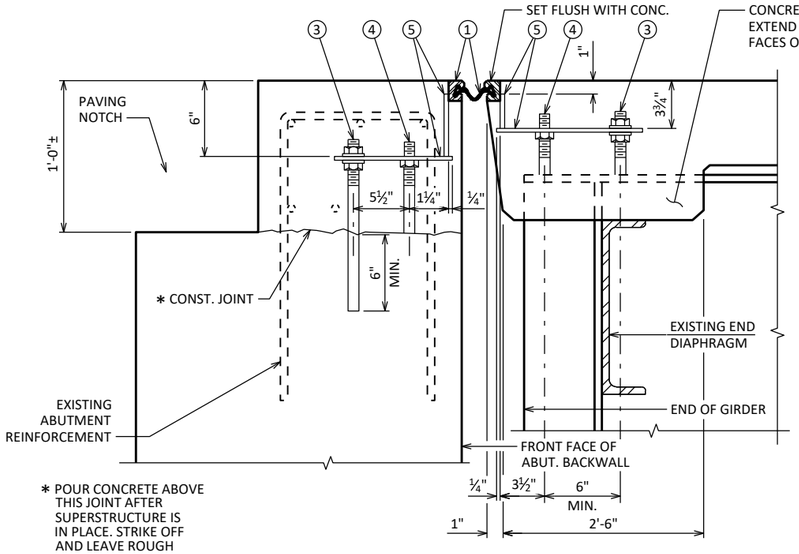
SCALE =

8

8

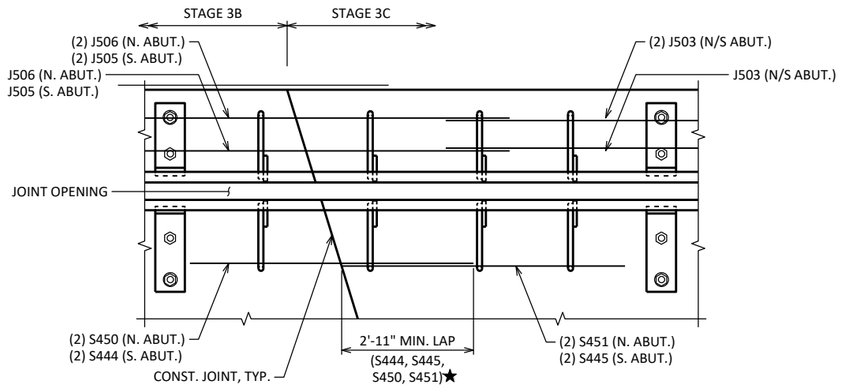
STATE PROJECT NUMBER

1120-57-60



SECTION THRU JOINT AT ABUTMENT

NORMAL TO C/L SUBSTRUCTURE

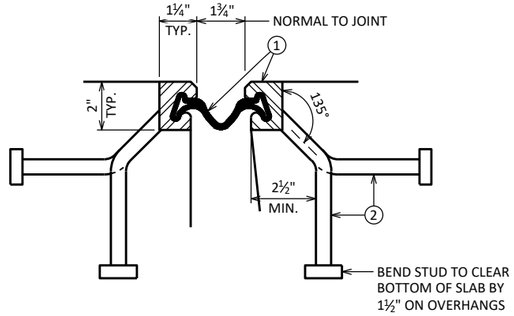


CONST. JOINT DETAIL

NORTH EXP. DEVICE SHOWN. SOUTH EXP. DEVICE SIMILAR.

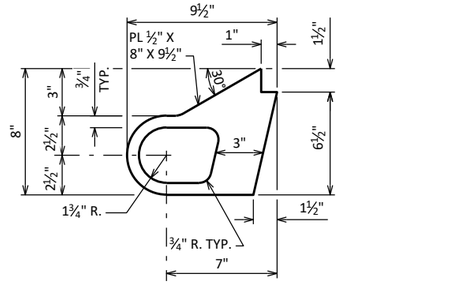
LEGEND

1. NEOPRENE STRIP SEAL (4-INCH) AND STEEL EXTRUSIONS.
2. STUDS ⅝" DIA. X 6¾" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
2A. ½" THICK ANCHOR PLATE WITH ⅝" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.
3. ¾" DIA. THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.
4. ¾" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.
5. FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.
6. GALVANIZED PLATE ⅜" X 10" X 2'-2" LONG WITH HOLES FOR NO.7.
7. ¾" DIA. X 1½" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.
8. ¾" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. ¾" DIA. X 2¼" GALVANIZED THREADED COUPLING.
11. 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.
12. GALVANIZED PLATE ⅜" X 1'-2" X 2'-0" LONG WITH HOLES FOR NO. 7. BEND AS SHOWN.

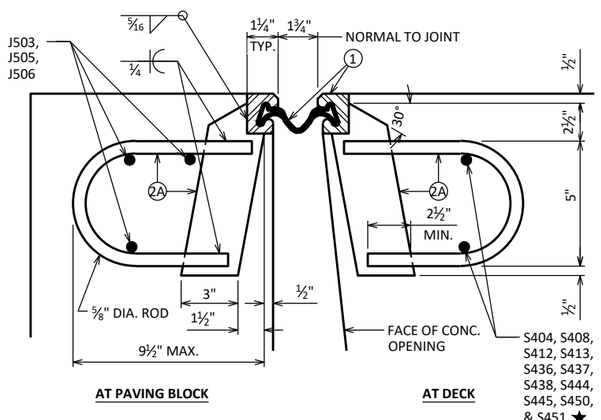


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS

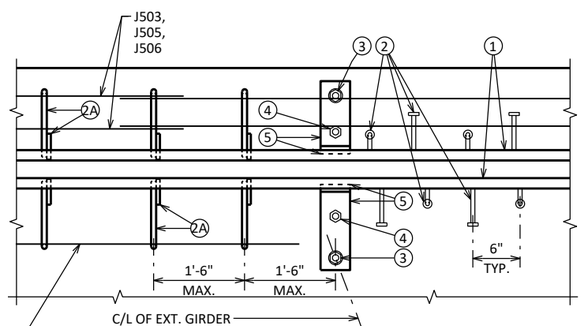


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS



PART PLAN

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE B-70-131", LF.

★ PLACE NEW TRANSVERSE BARS ALONG THE SKEW.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

EXPANSION DEVICE

SHEET 9
570

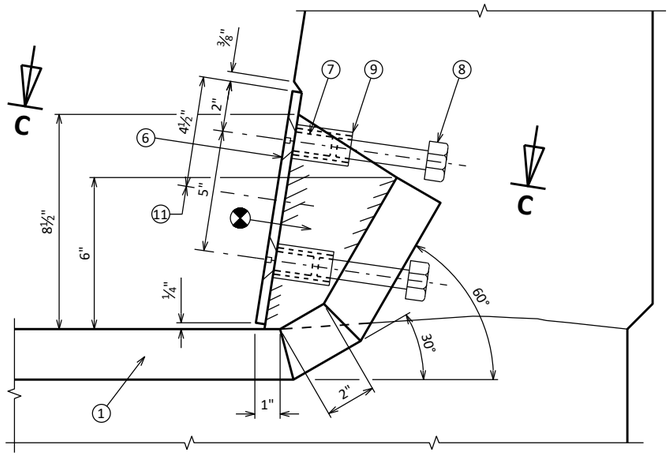
SCALE =

8

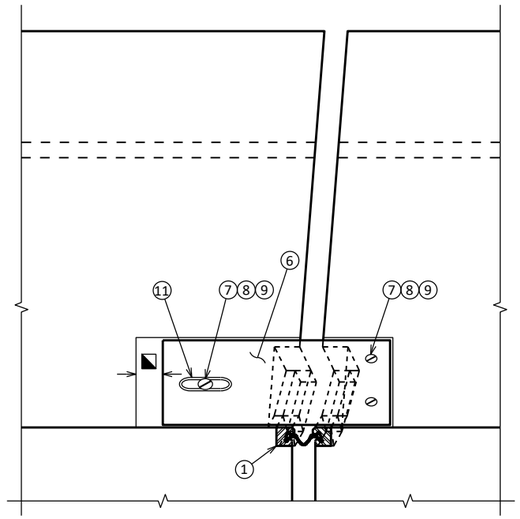
8

STATE PROJECT NUMBER

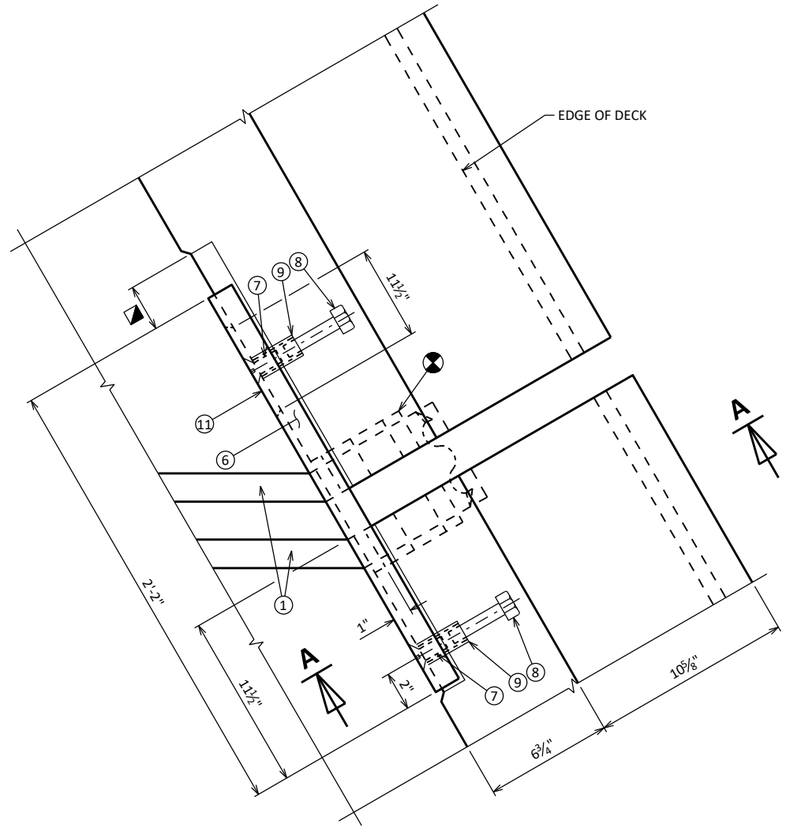
1120-57-60



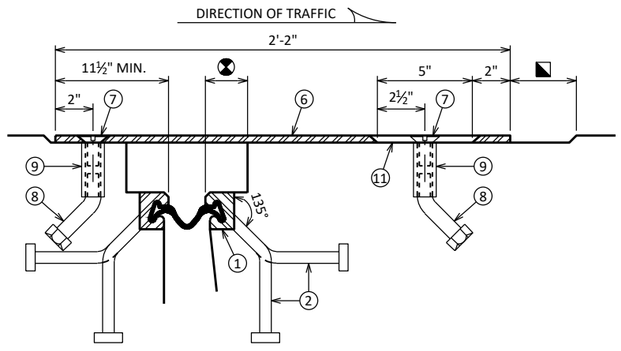
SECTION A-A



VIEW OF PARAPET PLATE FROM ROADWAY



PLAN



SECTION C-C

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

SINGLE SLOPE PPT. 42SS COVER PLATE DETAILS

SHEET 10
571

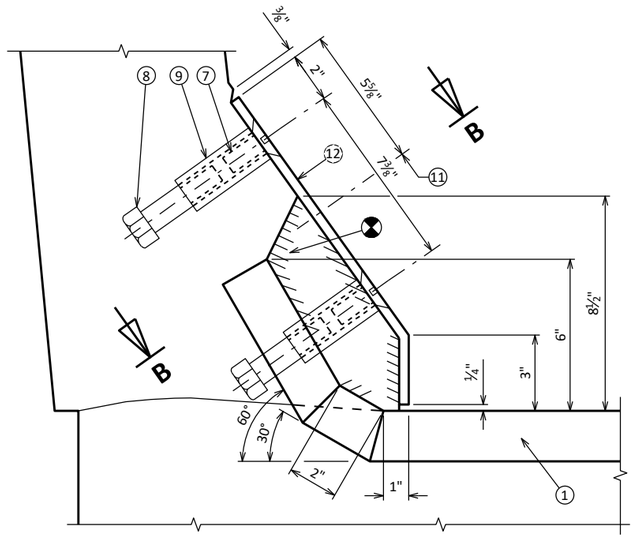
SCALE =

8

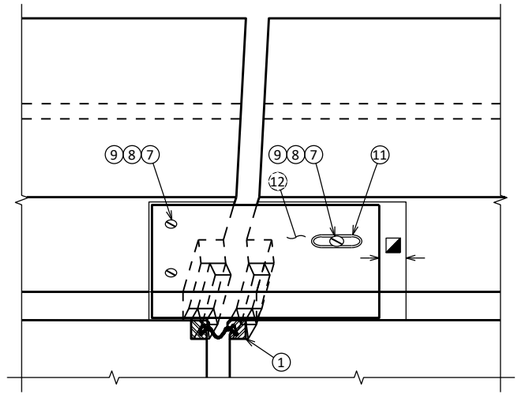
8

STATE PROJECT NUMBER

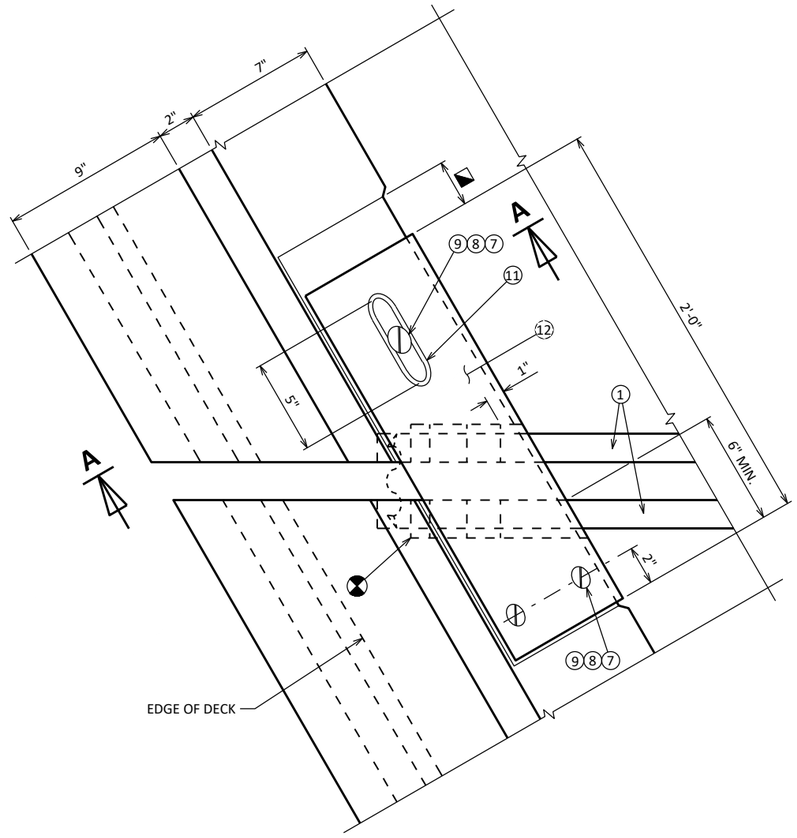
1120-57-60



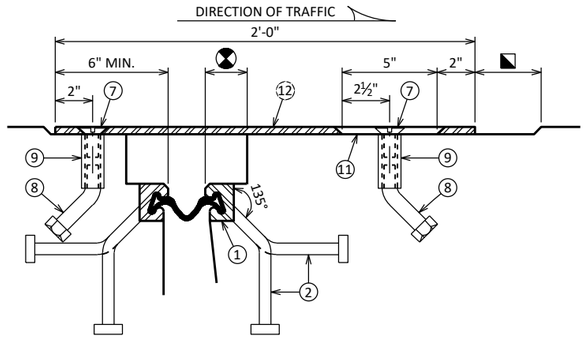
SECTION A-A



VIEW OF PARAPET PLATE FROM ROADWAY



PLAN



SECTION B-B

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-131

DRAWN BY RRH | PLANS CK'D DLM

SLOPED FACE PPT. TYPE "C" COVER PLATE DETAILS

SHEET 11
572

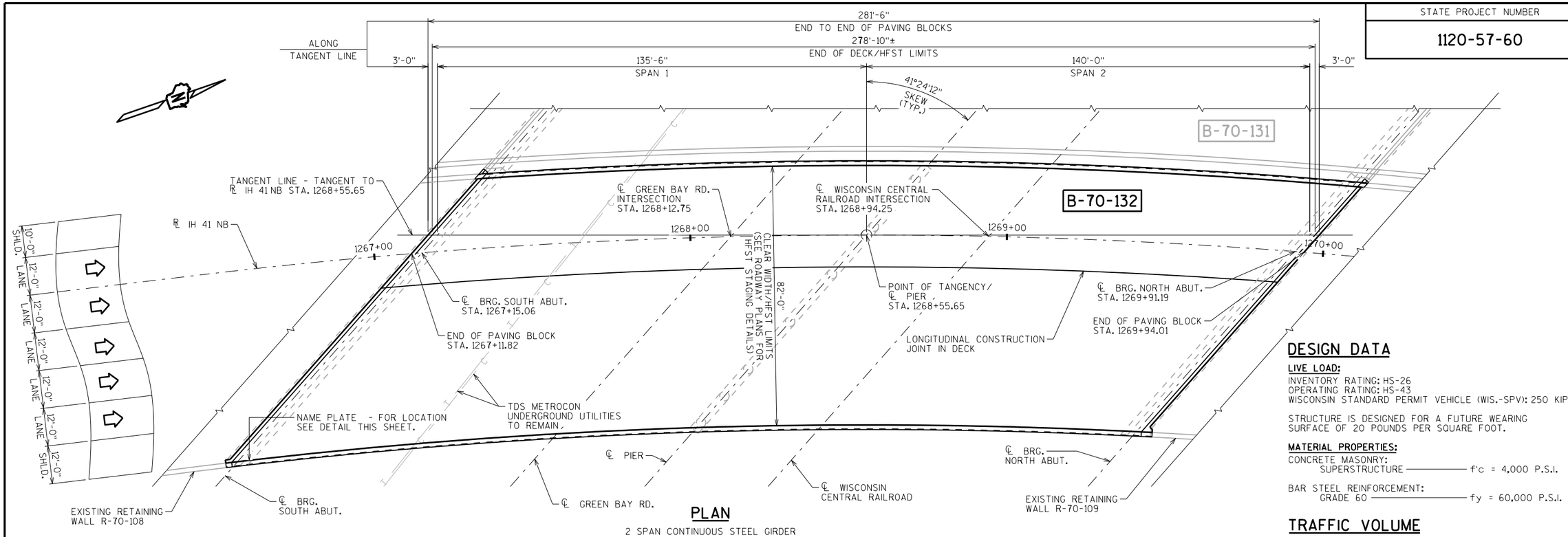
SCALE =

8

8

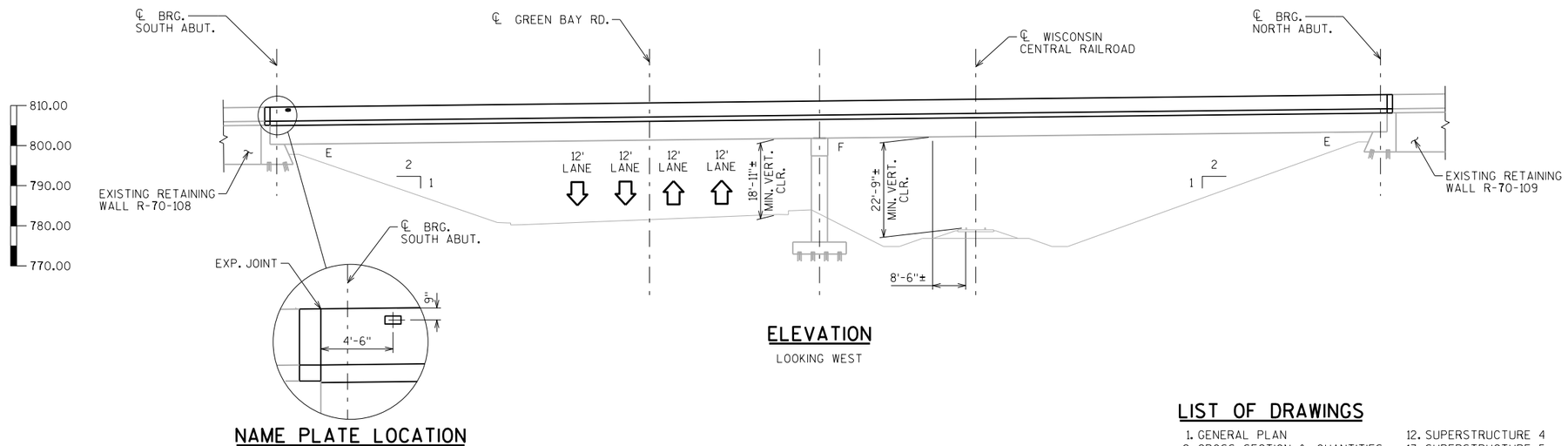
STATE PROJECT NUMBER

1120-57-60



PLAN

2 SPAN CONTINUOUS STEEL GIRDER
DECK REPLACEMENT & HIGH FRICTION SURFACE
TREATMENT (HFST) POLYMER OVERLAY



ELEVATION

LOOKING WEST

NAME PLATE LOCATION

ON INSIDE FACE OF PARAPET

BENCH MARK

NO.	NORTHING	EASTING	DESCRIPTION	LEVELED ELEV.
41-A	540837	806952	ALUM. WISDOT DISK IN SE PARAPET WALL OF IH 41 NB, STAMPED EL. 806.17	806.23

- BENCH MARK DATA TAKEN FROM EXISTING PLANS, CONTRACTOR TO VERIFY.

DESIGN DATA

LIVE LOAD:

INVENTORY RATING: HS-26
OPERATING RATING: HS-43
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE ——— f'c = 4,000 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

TRAFFIC VOLUME

IH 41 NB
ADT = 40,500 (2019)
R.D.S. = 75 M.P.H.

GREEN BAY RD
ADT = 52,200 (2034)
R.D.S. = 75 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. STAGE 3B REMOVAL
4. STAGE 3B REMOVAL DETAILS
5. STAGE 3B CONSTRUCTION
6. STAGE 3C REMOVAL
7. STAGE 3C REMOVAL DETAILS
8. STAGE 3C CONSTRUCTION
9. SUPERSTRUCTURE 1
10. SUPERSTRUCTURE 2
11. SUPERSTRUCTURE 3
12. SUPERSTRUCTURE 4
13. SUPERSTRUCTURE 5
14. SUPERSTRUCTURE DETAILS 1
15. SUPERSTRUCTURE DETAILS 2
16. SUPERSTRUCTURE DETAILS 3
17. SUPERSTRUCTURE DETAILS 4
18. SUPERSTRUCTURE DETAILS 5
19. SUPERSTRUCTURE DETAILS 6
20. EXPANSION DEVICE
21. COVER PLATE
22. PARAPET ELECTRICAL DETAILS

STRUCTURE DESIGN CONTACTS:

JONATHON RESHESKE (608) 266-8491
KYLE BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

ACCEPTED KHB 7/26/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-70-132

IH 41 NB OVER GREEN BAY RD

COUNTY	TOWN
WINNEBAGO	MENASHA

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
JLR	JRS	JLR	LMK

GENERAL PLAN

SHEET 1 OF 22

573

I.D. 1120-57-30X

DATE: JULY/2023

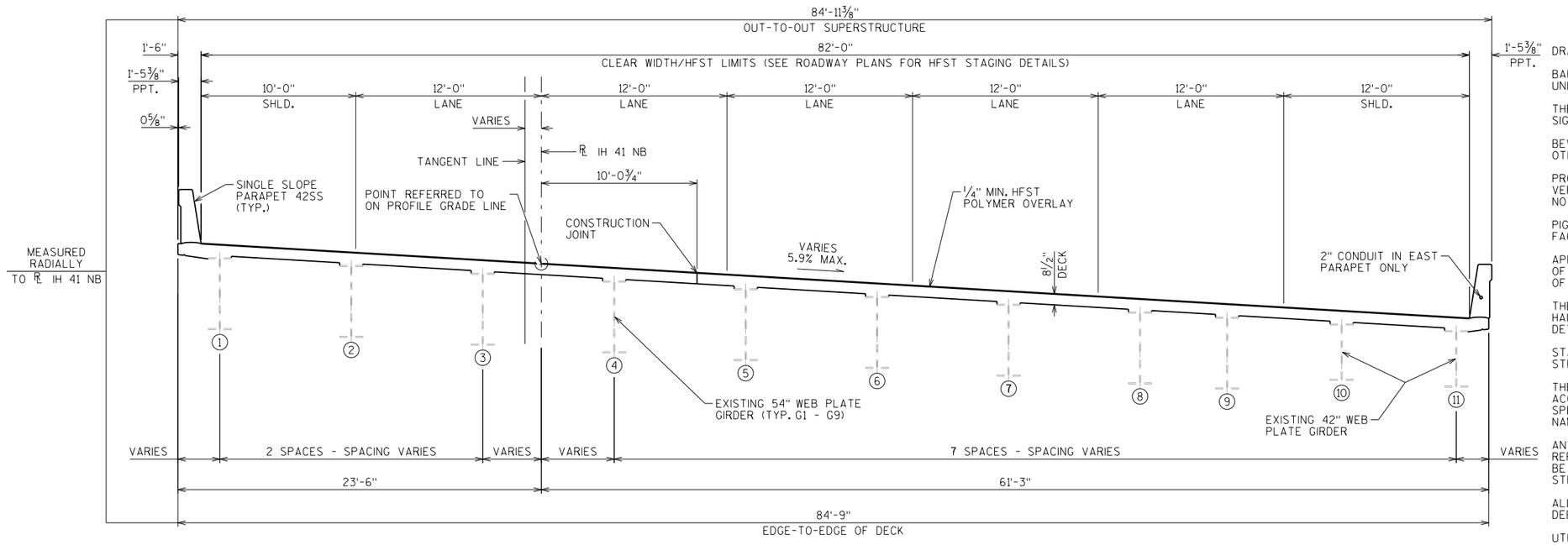
SCALE = 16.00

8

8

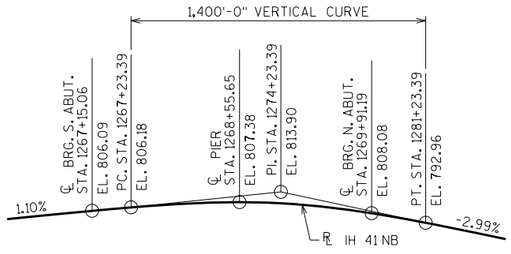
STATE PROJECT NUMBER

1120-57-60



FINISHED CROSS SECTION

LOOKING UPSTATION



PROFILE GRADE LINE - IH 41 NB

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS	
203.0220	REMOVING STRUCTURE B-70-132	EACH	1	
203.0330	DEBRIS CONTAINMENT B-70-132	EACH	1	
502.0100	CONCRETE MASONRY BRIDGES	CY	767	
502.3101	EXPANSION DEVICE	LF	223	**
502.3200	PROTECTIVE SURFACE TREATMENT	SY	41	
502.3210	PIGMENTED SURFACE SEALER	SY	283	
502.4106	ADHESIVE ANCHORS 3/4-INCH	EACH	11	
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	235	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	183,910	
505.0904	BAR COUPLERS NO. 4	EACH	6	
505.0905	BAR COUPLERS NO. 5	EACH	1,038	
505.0906	BAR COUPLERS NO. 6	EACH	5	
509.1500	CONCRETE SURFACE REPAIR	SF	3	**
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	10	
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	282	
653.0220	JUNCTION BOXES 18X6X6-INCH	EACH	1	
SPV.0060	TEMPORARY SUPPORT B-70-132	EACH	1	
SPV.0180	HIGH FRICTION SURFACE TREATMENT POLYMER OVERLAY	SY	2,570	
	NON-BID ITEMS			
	BRIDGE SEAT PROTECTION	L.S.	1	
	FILLER	SIZE	1"	

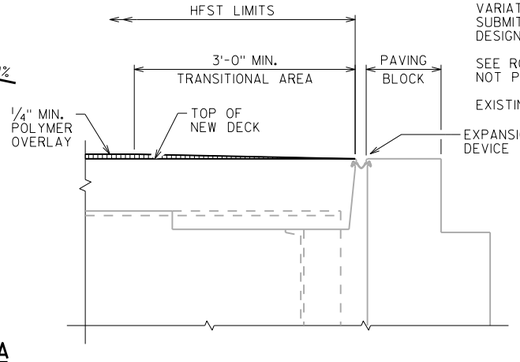
CURVE DATA

IH 41 NB

P.I. = 1271+31.70
△ = 30°44'28"
D = 3°15'00"
T = 484.62'
L = 945.88'
R = 1762.95'
P.C. = 1266+47.08
P.T. = 1275+92.96

SUPERELEVATION DATA

STATION	SUPERELEVATION
1266+62.32	4.9%
1266+62.32 - 1267+23.32	VARIES
1267+23.32 - 1275+14.29	5.9%



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT EXPANSION JOINT

(TYP. BOTH ABUTMENTS)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT PAVING BLOCKS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS AND PIERS BELOW EXPANSION DEVICES.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE HAUNCH DETAIL SHOWN ON THE "SUPERSTRUCTURE DETAILS 6" SHEET.

STATIONS & DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR 1994.

ANY EXCAVATION NECESSARY TO COMPLETE THE JOINT REPAIR OR DECK REPLACEMENT AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "REMOVING STRUCTURE B-70-132".

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN. BLAST CLEAN TO THE SATISFACTION OF THE ENGINEER.

IF EXISTING SALVAGED BAR STEEL REINFORCEMENT IS SEVERELY CORRODED OR DAMAGED DURING CONCRETE REMOVAL, REPLACE WITH EPOXY ANCHORED BARS OF THE SAME SIZE. EMBED 1'-0" INTO EXISTING CONCRETE. WORK TO BE PAID UNDER ITEM "REMOVING STRUCTURE B-70-132".

TAKE CARE TO NOT DAMAGE EXISTING SHEAR STUDS ON THE TOP FLANGES OF GIRDERS DURING DECK REMOVAL. IF SHEAR STUDS ARE DAMAGED, THEY SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. COST FOR REPAIR OR REPLACEMENT OF DAMAGED SHEAR STUDS IS INCIDENTAL TO "REMOVING STRUCTURE B-70-132".

VARIATIONS TO THE NEW GRADE LINE OF ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

SEE ROADWAY PLANS FOR TRAFFIC CONTROL DETAILS. DO NOT PIN TEMPORARY BARRIER TO NEW BRIDGE DECK.

EXISTING ROADWAY APPROACHES TO REMAIN.

(X) GIRDER NUMBER

** ESTIMATED EXPANSION DEVICE LENGTHS
SOUTH ABUTMENT: ——— 120 LF
NORTH ABUTMENT: ——— 103 LF

ESTIMATED CONCRETE SURFACE REPAIR (EXACT AMOUNT AND LOCATION TO BE DETERMINED BY ENGINEER)
NORTH ABUTMENT - F.F.: ——— 3 SF

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

CROSS SECTION & QUANTITIES

SHEET 2

574

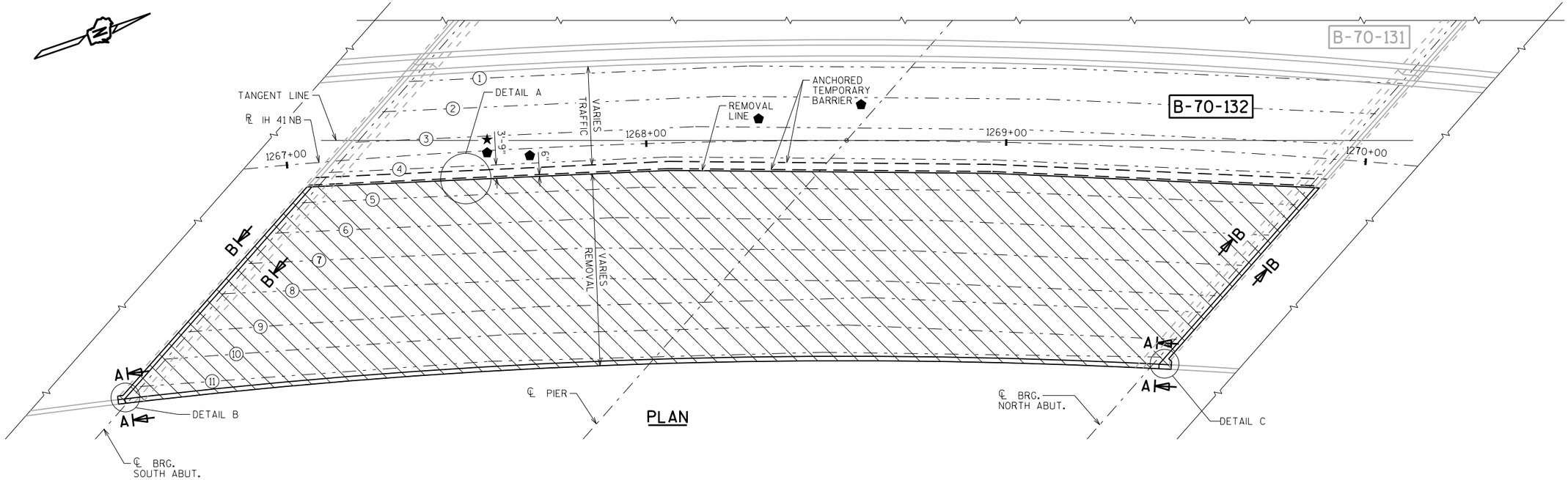
8

8

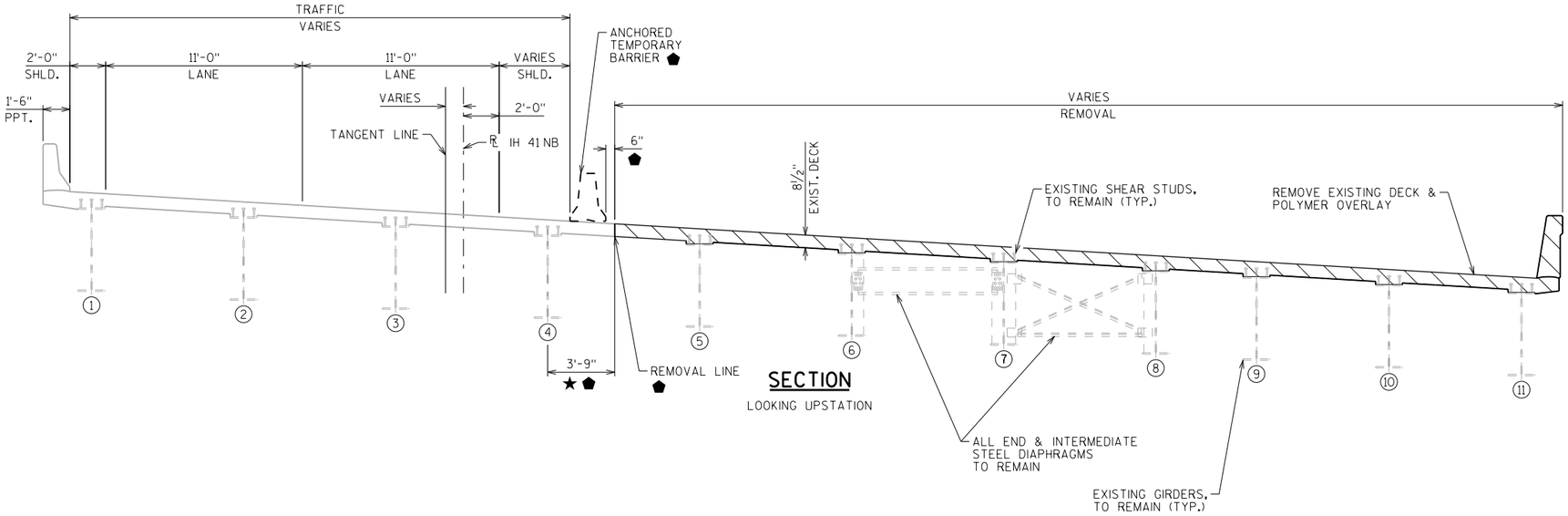
SCALE = 4.00

STATE PROJECT NUMBER

1120-57-60



PLAN



SECTION

LOOKING UPSTATION

NOTE: SEE "STAGE 3B REMOVAL DETAILS" SHEET FOR DETAILS

MEASUREMENTS ARE MEASURED RADIALLY UNLESS NOTED OTHERWISE

REMOVAL AREA

(X) GIRDER NUMBER

⬟ IN ORDER TO ENSURE THAT THE TEMPORARY BARRIER ANCHORS DO NOT HIT THE GIRDER TOP FLANGE, AS WELL AS LIMIT THE OVERHANG, THE REMOVAL LINE AND TEMPORARY BARRIER MUST BE HELD AT A CONTANT PERPENDICULAR DISTANCE FROM THE ℄ OF GIRDER 4.

★ TEMPORARY SUPPORT REQ'D. WORK TO BE PAID UNDER ITEM "TEMPORARY SUPPORT B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3B REMOVAL

SHEET 3

575

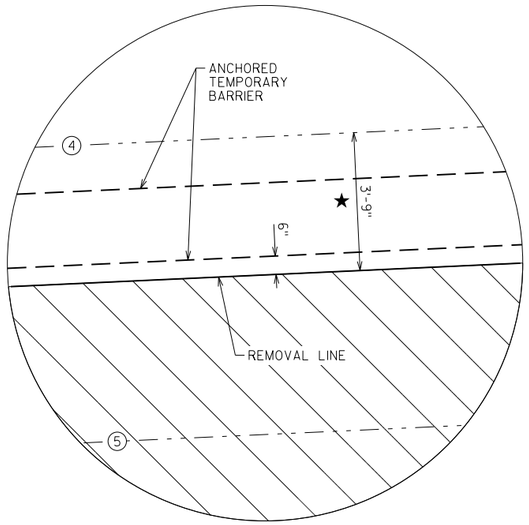
SCALE = 15.00

8

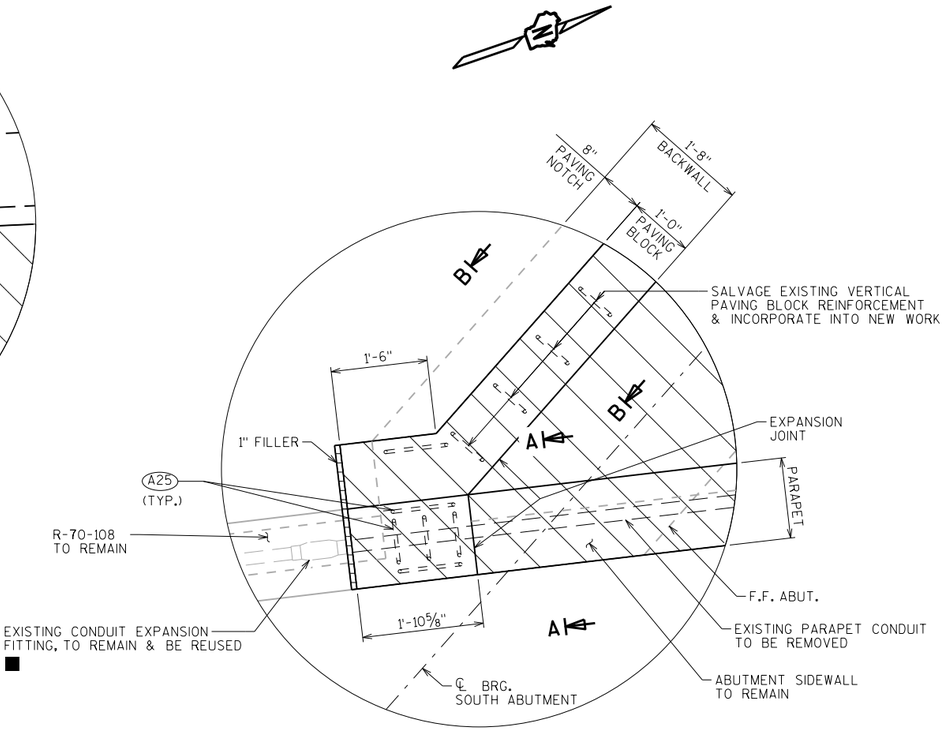
8

STATE PROJECT NUMBER

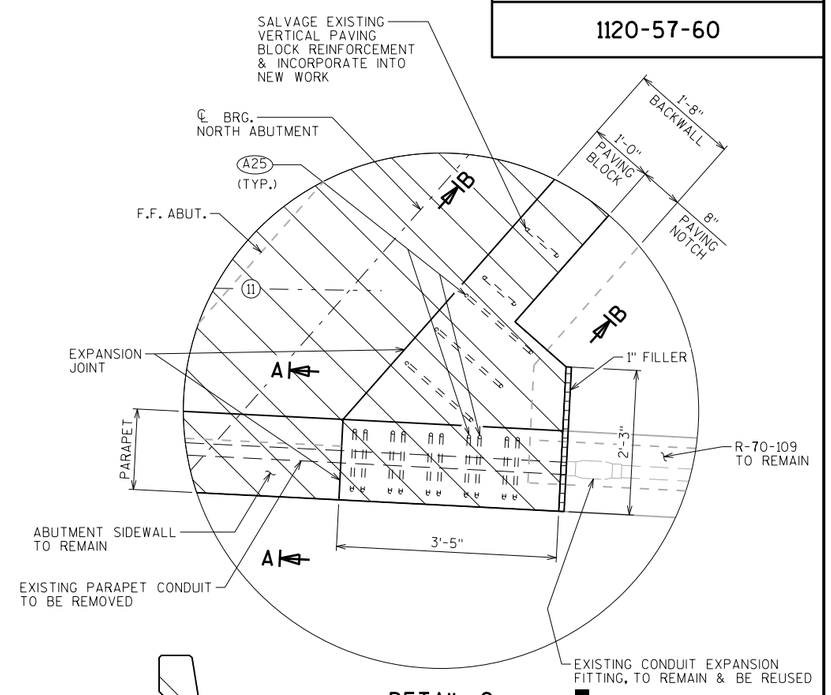
1120-57-60



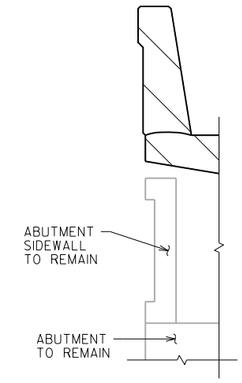
DETAIL A ⬟



DETAIL B



DETAIL C



SECTION A-A

REMOVAL AREA

(X) GIRDER NUMBER

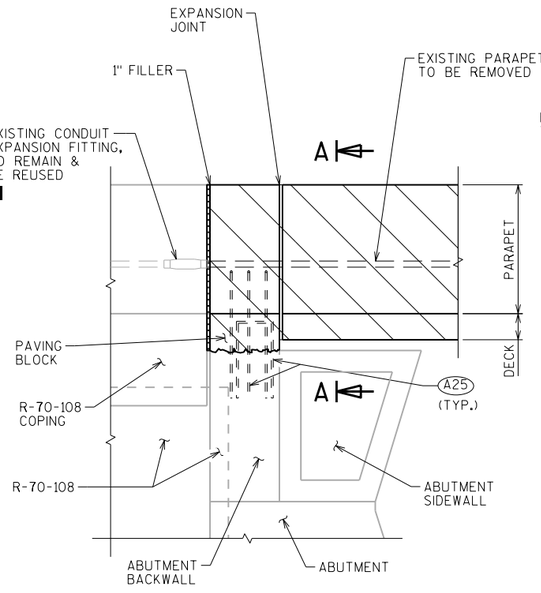
⬟ IN ORDER TO ENSURE THAT THE TEMPORARY BARRIER ANCHORS DO NOT HIT THE GIRDER TOP FLANGE, AS WELL AS LIMIT THE OVERHANG, THE REMOVAL LINE AND TEMPORARY BARRIER MUST BE HELD AT A CONTANT PERPENDICULAR DISTANCE FROM THE ℄ OF GIRDER 4.

✱ PERPENDICULAR TO SUBSTRUCTURE

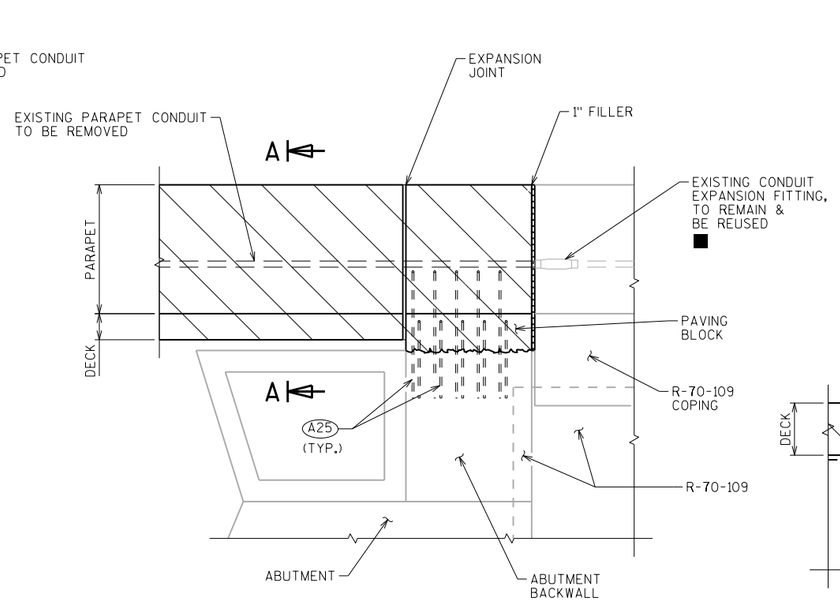
(A25) SALVAGE EXISTING #5 REINFORCEMENT BAR & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE DAMAGED OR UNUSABLE. EMBED ADHESIVE ANCHORS 1'-0". REPLACEMENT ANCHORS INCIDENTAL TO BID ITEM "REMOVING STRUCTURE B-70-132".

■ CONTACT THE BUREAU OF STRUCTURES IF EXISTING CONDUIT EXPANSION FITTING CANNOT BE USED.

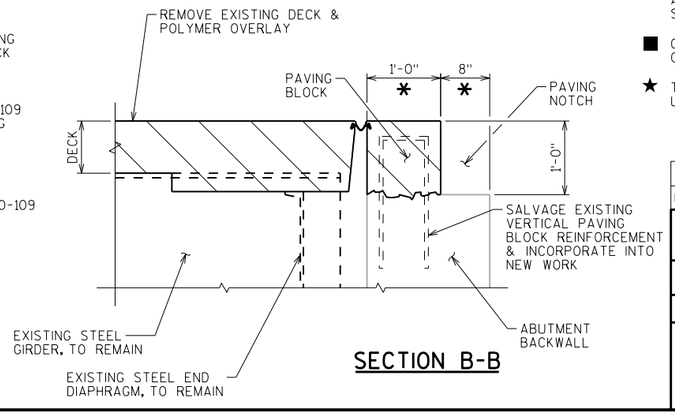
★ TEMPORARY SUPPORT REQ'D. WORK TO BE PAID UNDER ITEM "TEMPORARY SUPPORT B-70-132".



ELEVATION AT DETAIL B



ELEVATION AT DETAIL C



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3B REMOVAL DETAILS

SHEET 4

576

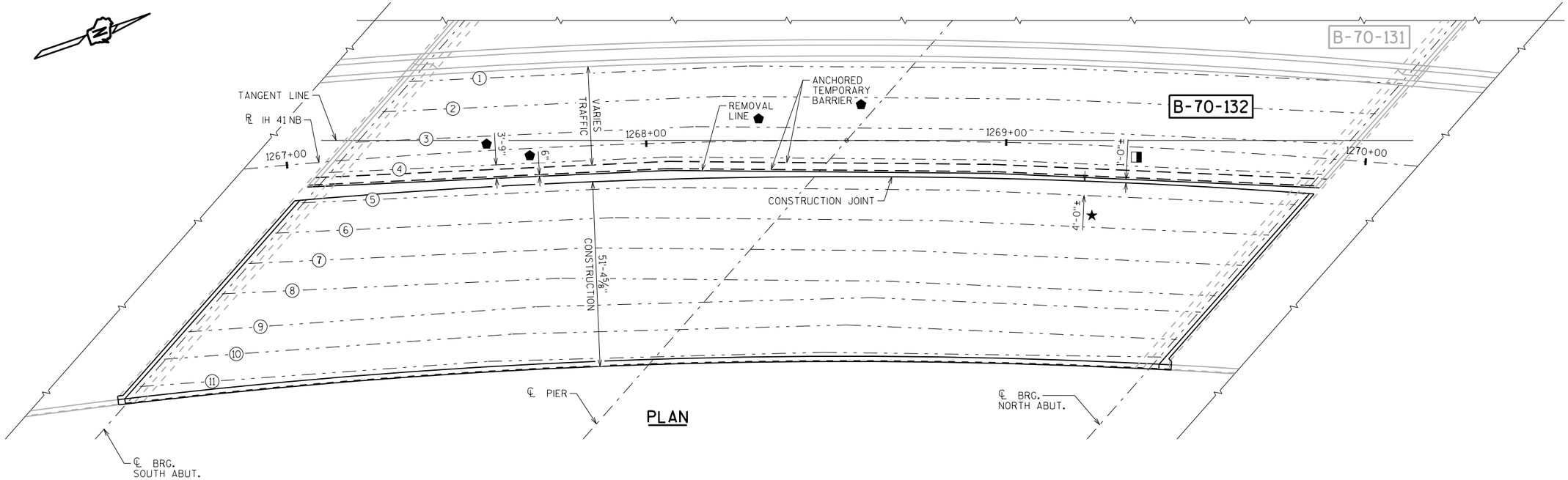
SCALE = 2.00

8

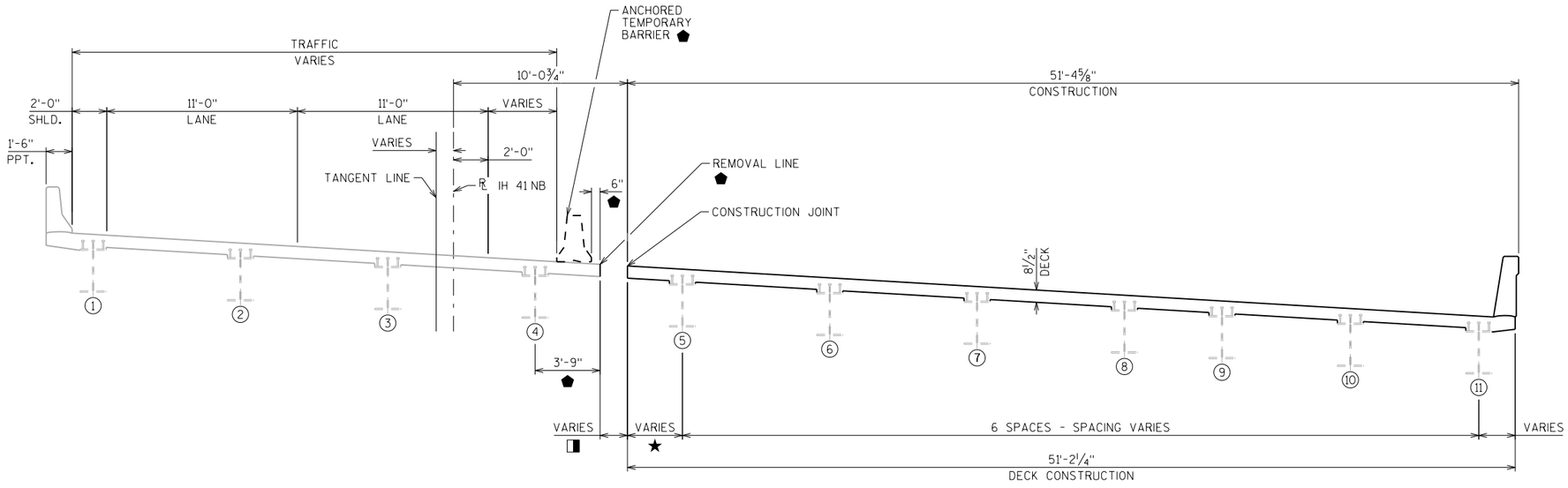
8

STATE PROJECT NUMBER

1120-57-60



PLAN



SECTION

LOOKING UPSTATION

NOTE: MEASUREMENTS ARE MEASURED RADIALLY UNLESS NOTED OTHERWISE

(X) GIRDER NUMBER

⬟ IN ORDER TO ENSURE THAT THE TEMPORARY BARRIER ANCHORS DO NOT HIT THE GIRDER TOP FLANGE, AS WELL AS LIMIT THE OVERHANG, THE REMOVAL LINE AND TEMPORARY BARRIER MUST BE HELD AT A CONTANT DISTANCE FROM THE ℄ OF GIRDER 4.

◨ CLEARANCE BETWEEN THE REMOVAL LINE AND CONSTRUCTION JOINT IS 1'-0"± AT ITS NARROWEST POINT.

★ MAX. OVERHANG IS 4'-0"± AND WILL REQUIRE TEMPORARY SUPPORT. WORK TO BE PAID UNDER ITEM "TEMPORARY SUPPORT B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3B CONSTRUCTION

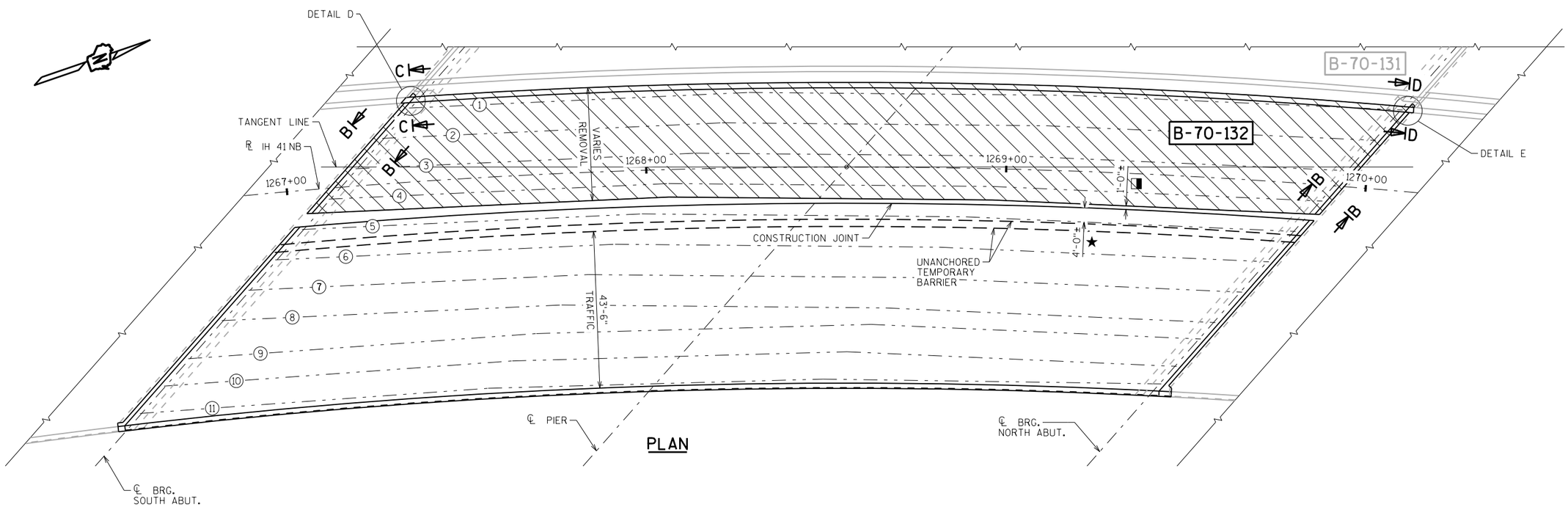
SHEET 5

577

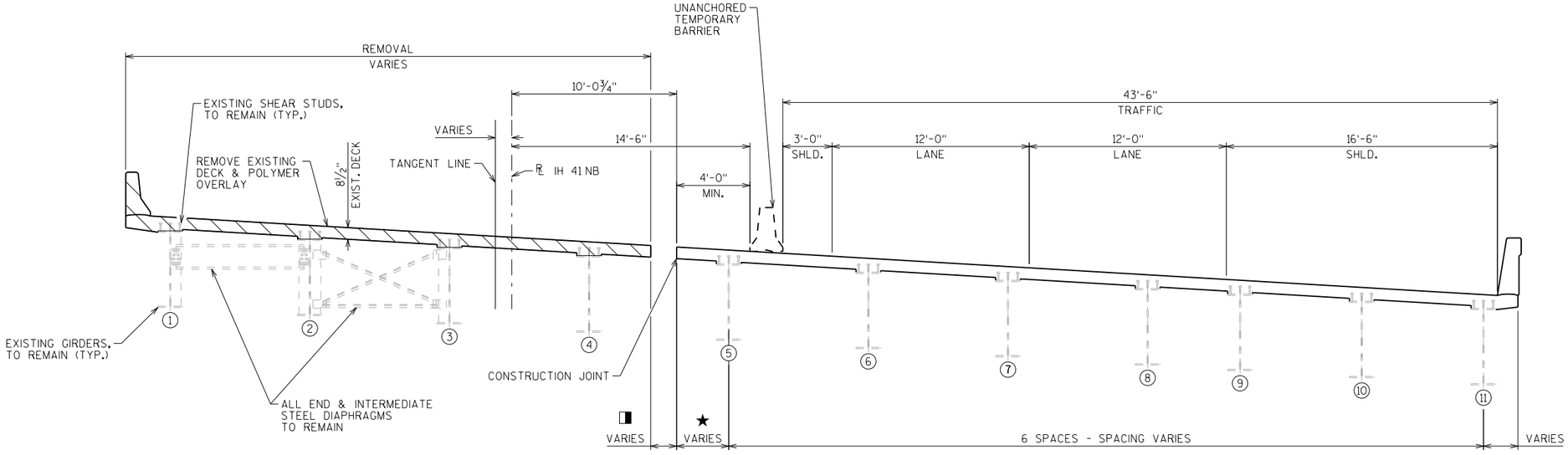
SCALE = 15.00

STATE PROJECT NUMBER

1120-57-60



PLAN



SECTION

LOOKING UPSTATION

NOTE: SEE "STAGE 3C REMOVAL DETAILS" SHEET FOR DETAILS

MEASUREMENTS ARE MEASURED RADIALLY UNLESS NOTED OTHERWISE

REMOVAL AREA

(X) GIRDER NUMBER

CLEARANCE BETWEEN THE REMOVAL LINE AND CONSTRUCTION JOINT IS 1'-0"± AT ITS NARROWEST POINT.

★ MAX. OVERHANG IS 4'-0"± AND WILL REQUIRE TEMPORARY SUPPORT. WORK TO BE PAID UNDER ITEM "TEMPORARY SUPPORT B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3C REMOVAL

SHEET 6

578

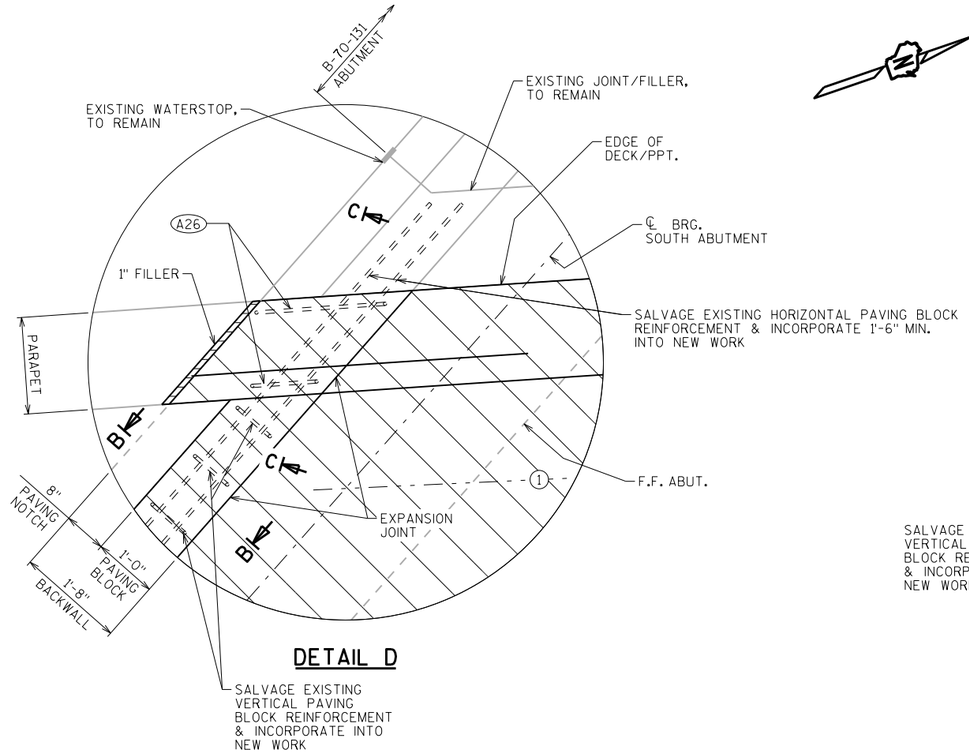
SCALE = 15.00

8

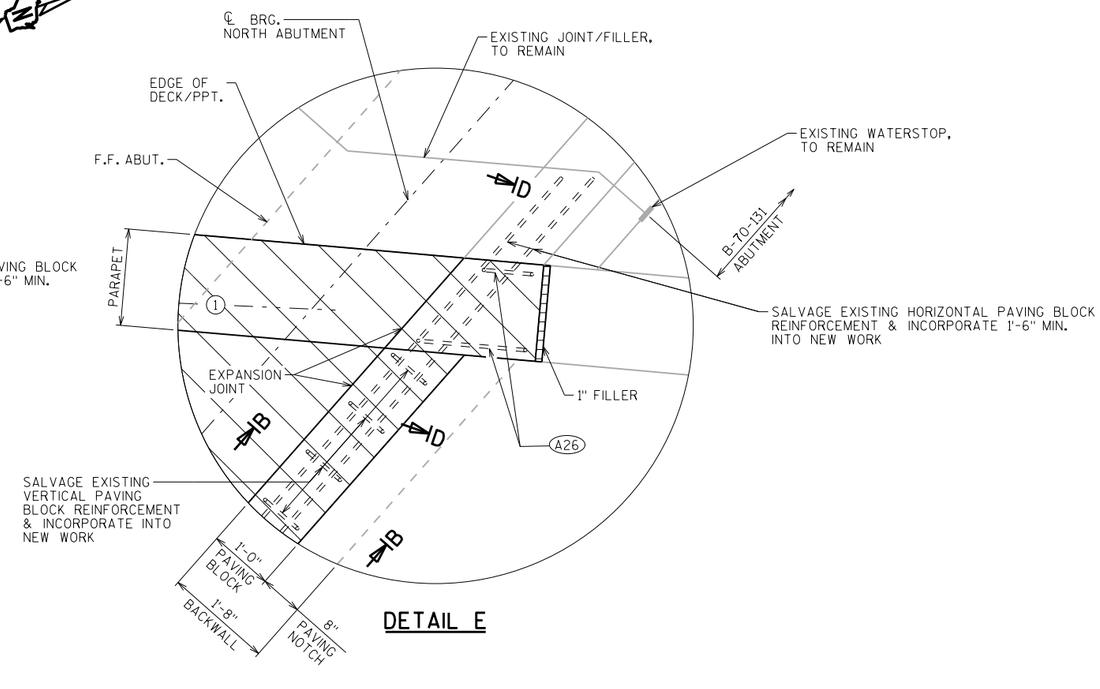
8

STATE PROJECT NUMBER

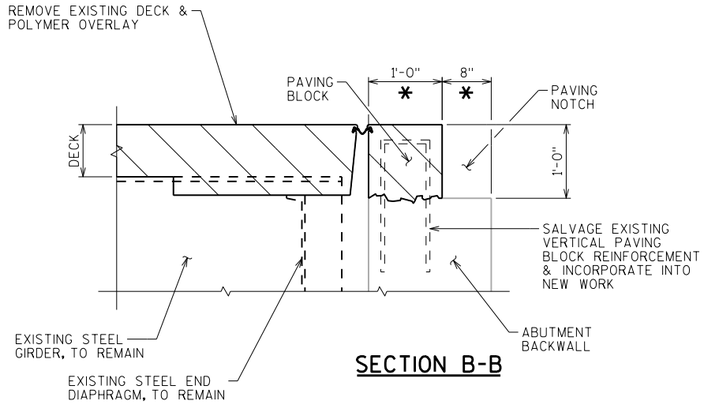
1120-57-60



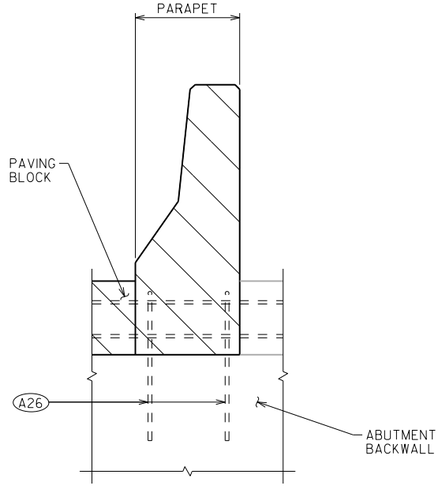
DETAIL D



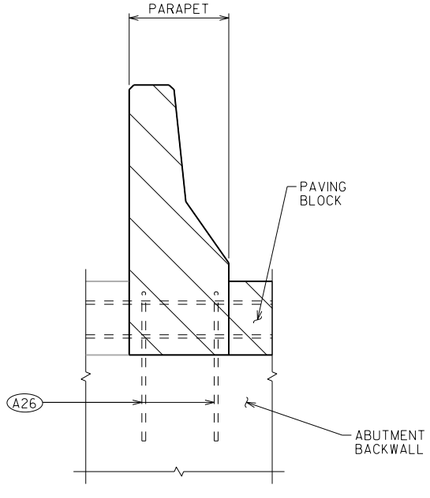
DETAIL E



SECTION B-B



SECTION C-C



SECTION D-D

REMOVAL AREA

(X) GIRDER NUMBER

✱ PERPENDICULAR TO SUBSTRUCTURE

(A26) SALVAGE EXISTING #6 REINFORCEMENT BAR & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE DAMAGED OR UNUSABLE. EMBED ADHESIVE ANCHORS 1'-0". REPLACEMENT ANCHORS INCIDENTAL TO BID ITEM "REMOVING STRUCTURE B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3C
REMOVAL DETAILS

SHEET 7

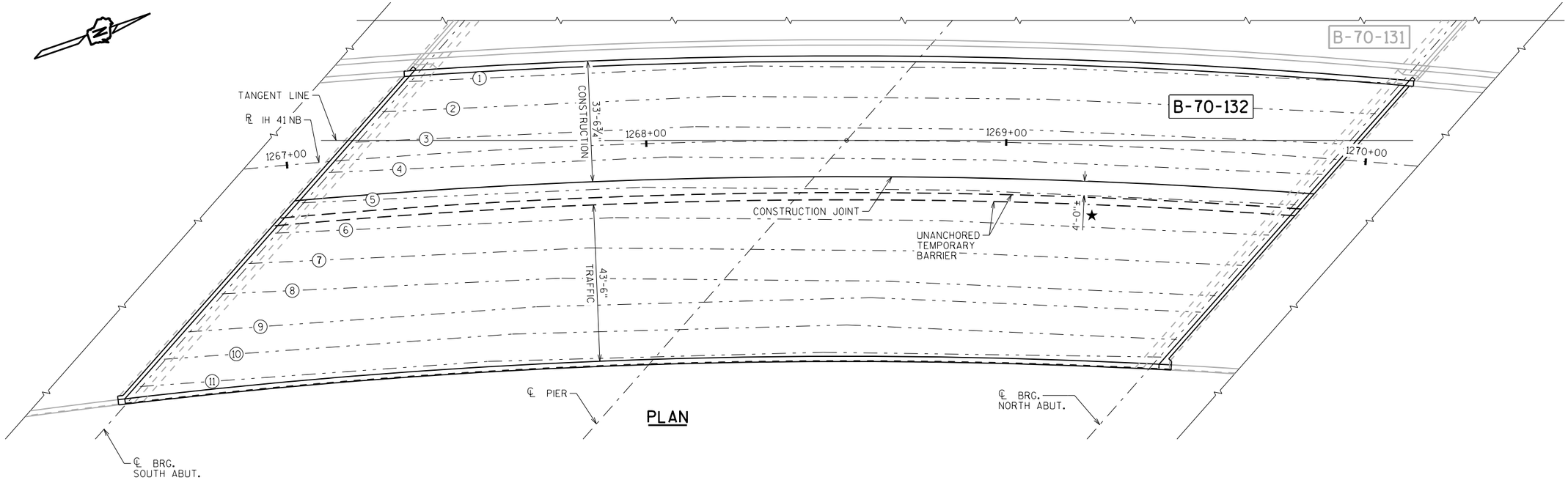
579

SCALE = 2.00

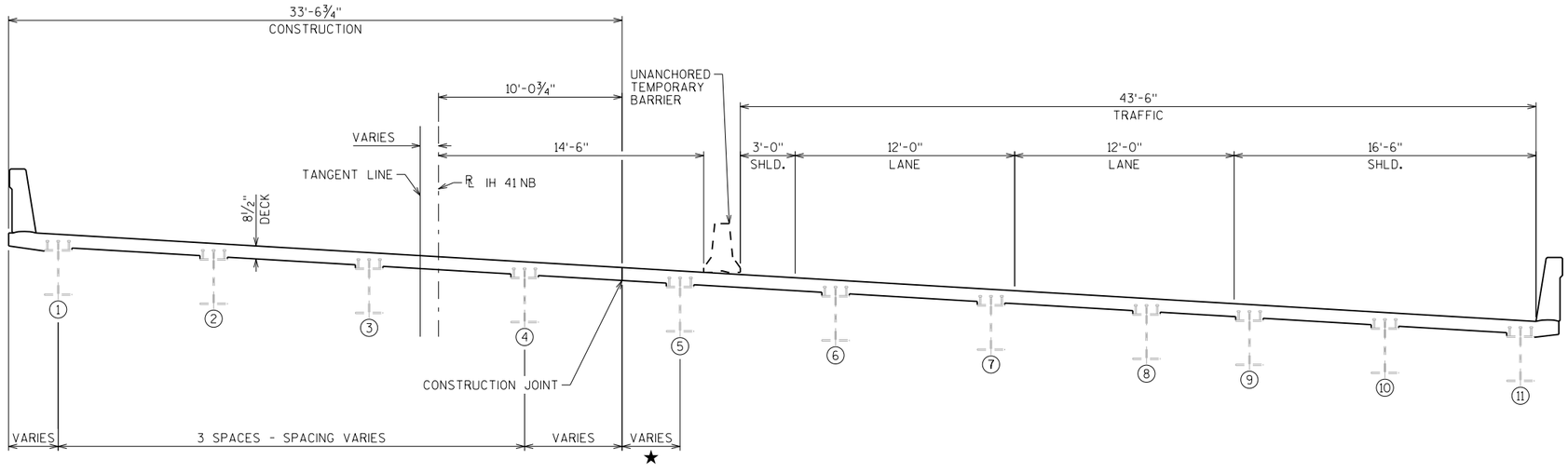
8

8

STATE PROJECT NUMBER
1120-57-60



PLAN



SECTION

LOOKING UPSTATION

NOTE: MEASUREMENTS ARE MEASURED RADIALLY UNLESS NOTED OTHERWISE

(X) GIRDER NUMBER

★ MAX. OVERHANG IS 4'-0"± AND WILL REQUIRE TEMPORARY SUPPORT. WORK TO BE PAID UNDER ITEM "TEMPORARY SUPPORT B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

STAGE 3C CONSTRUCTION

SHEET 8

580

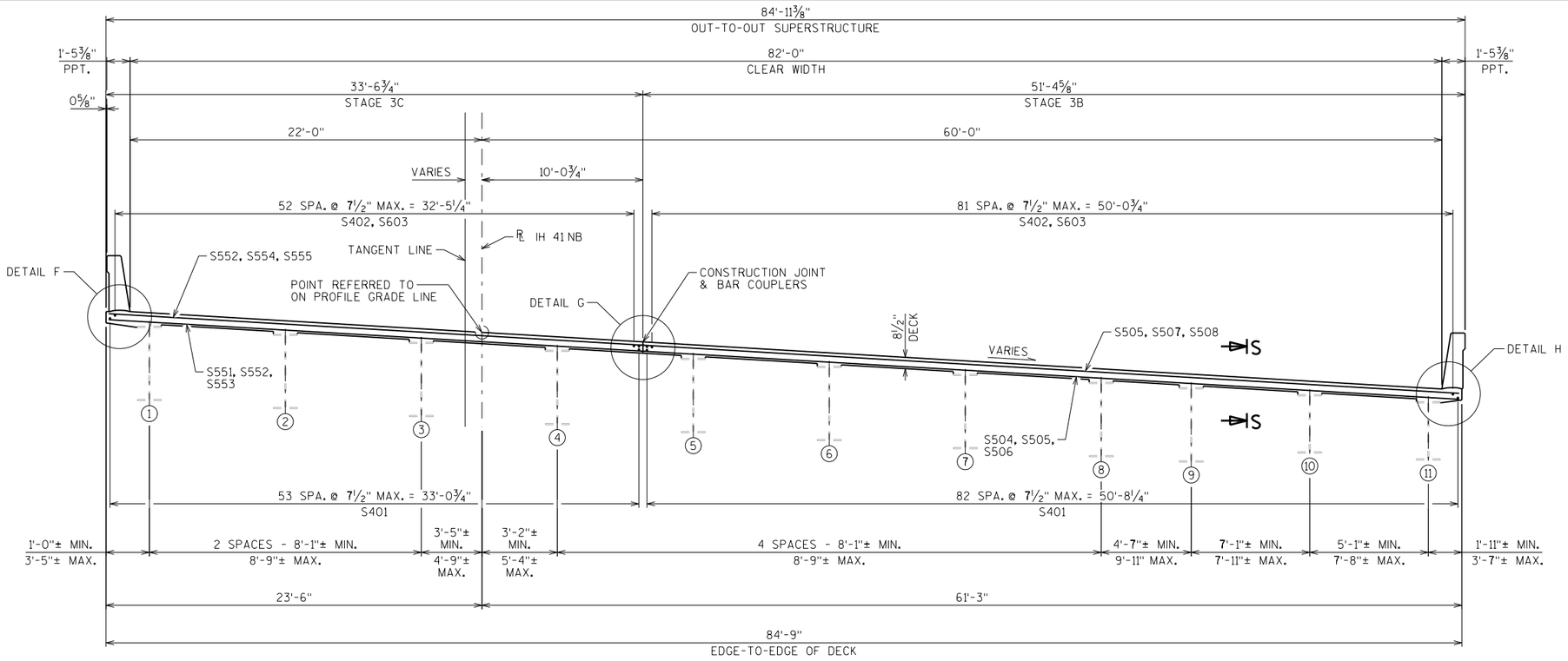
SCALE = 15.00

8

8

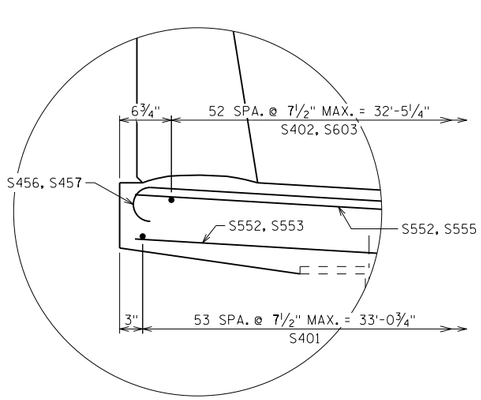
STATE PROJECT NUMBER

1120-57-60

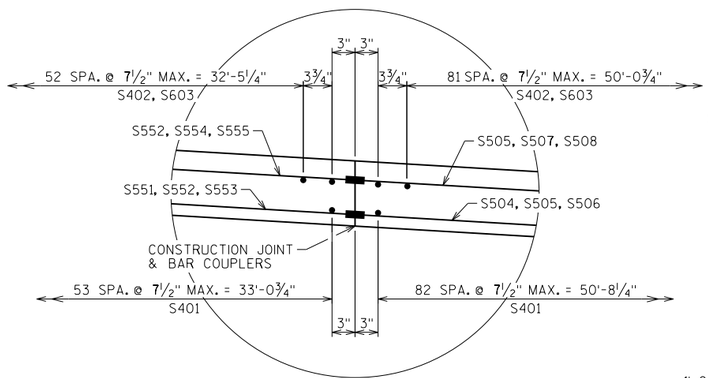


CROSS SECTION

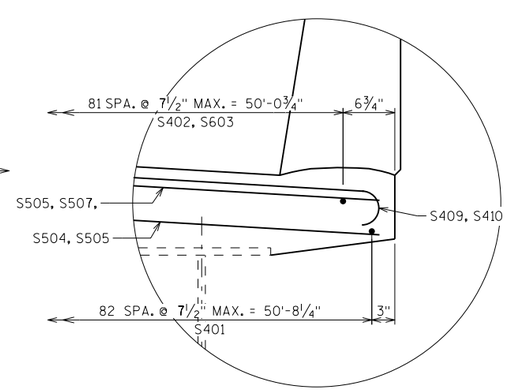
LOOKING UPSTATION
MEASUREMENTS ARE NORMAL TO ℄ IH 41 NB



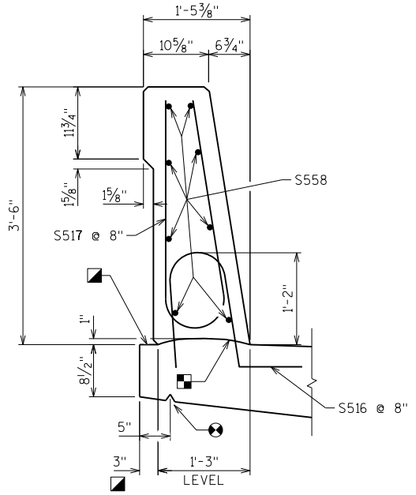
DETAIL F



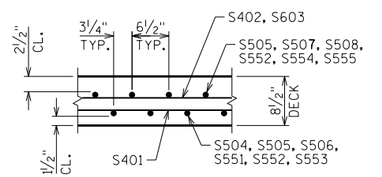
DETAIL G



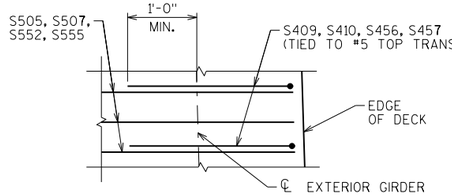
DETAIL H



SECTION THRU WEST PARAPET ON BRIDGE

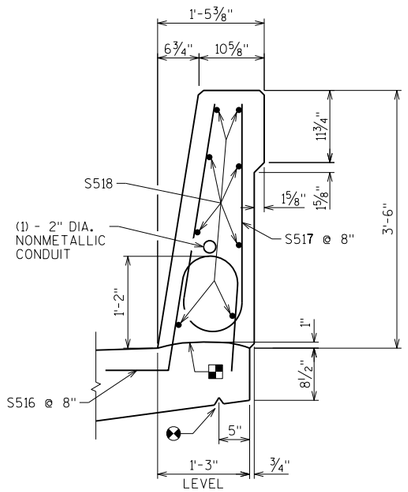


SECTION S-S



EDGE REINFORCEMENT PLAN DETAIL

TYPICAL BOTH EDGES OF DECK



SECTION THRU EAST PARAPET ON BRIDGE

- SLOPE TO DRAIN
- CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.
- ¾" V-GROOVE REQ'D. EXTEND TO 2'-0" FROM F.F. OF ABUT. BODY.
- (X) GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE 1

SHEET 9

581

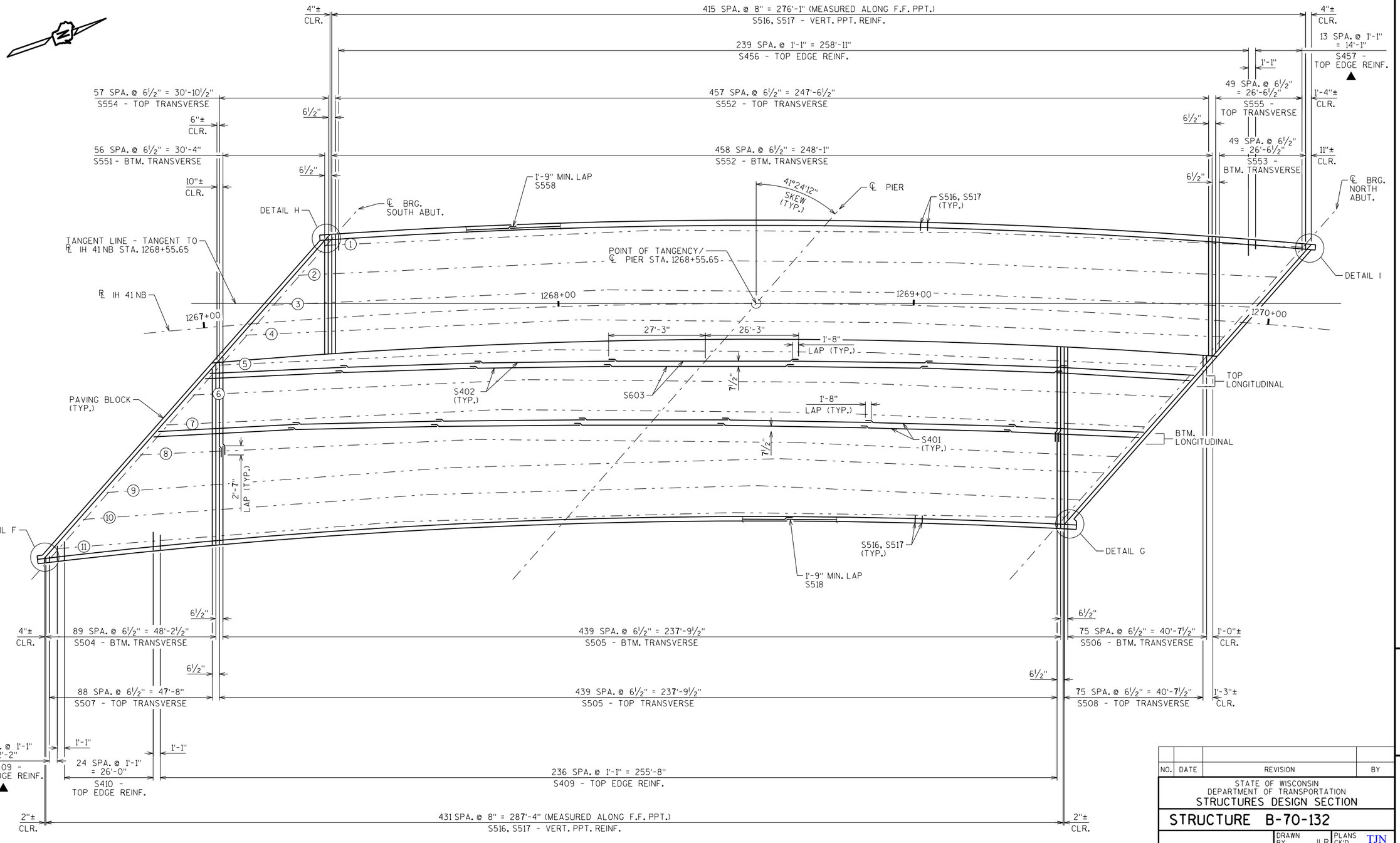
SCALE = 4.00

8

8

STATE PROJECT NUMBER

1120-57-60



PLAN

NOTE: TRANSVERSE BARS ARE PERPENDICULAR TO TANGENT LINE

SEE "SUPERSTRUCTURE 3" & "SUPERSTRUCTURE 4" SHEETS FOR DETAILS

▲ ROTATE BARS IN CORNER AS NECESSARY TO FIT

Ⓧ GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE 2

SHEET 10

582

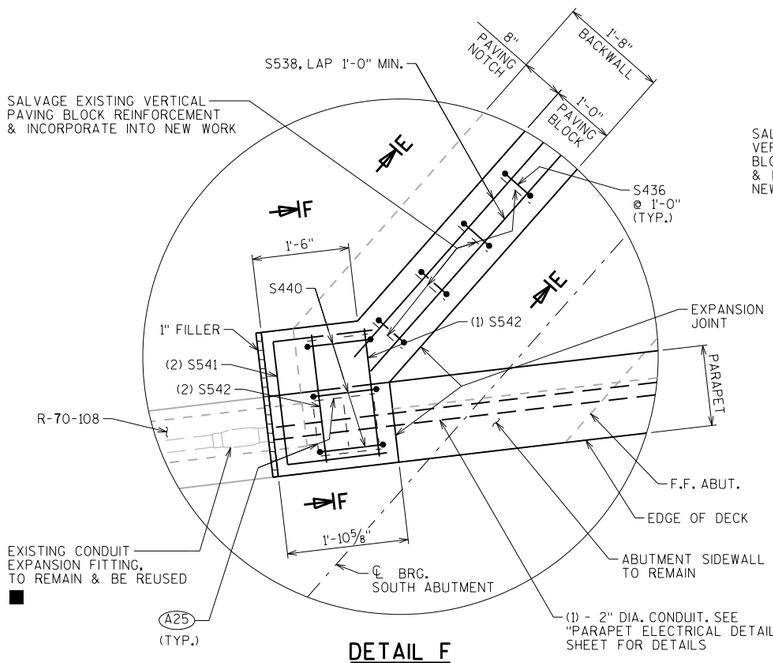
SCALE = 13.00

8

8

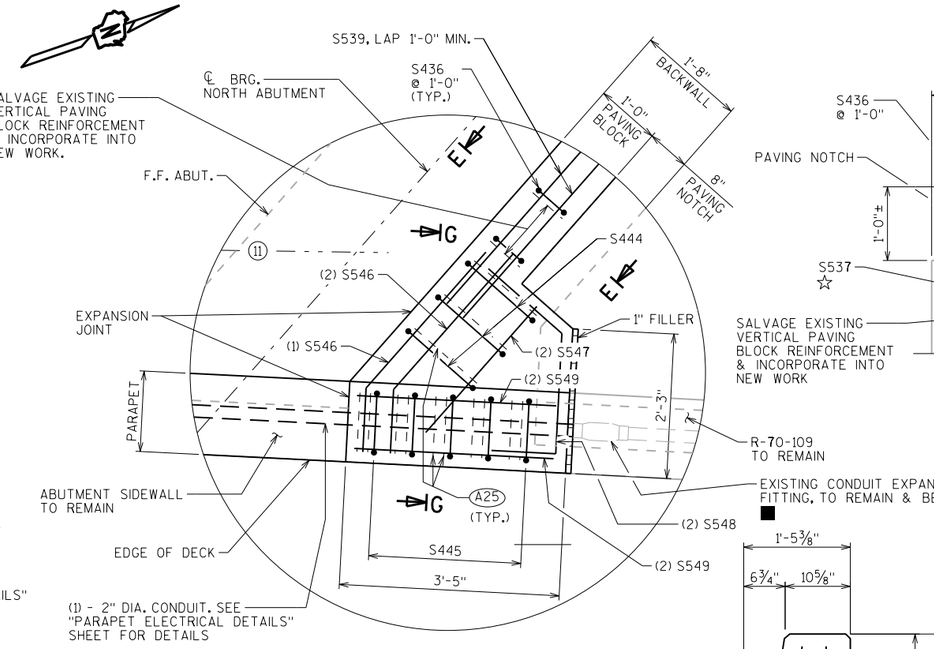
STATE PROJECT NUMBER

1120-57-60



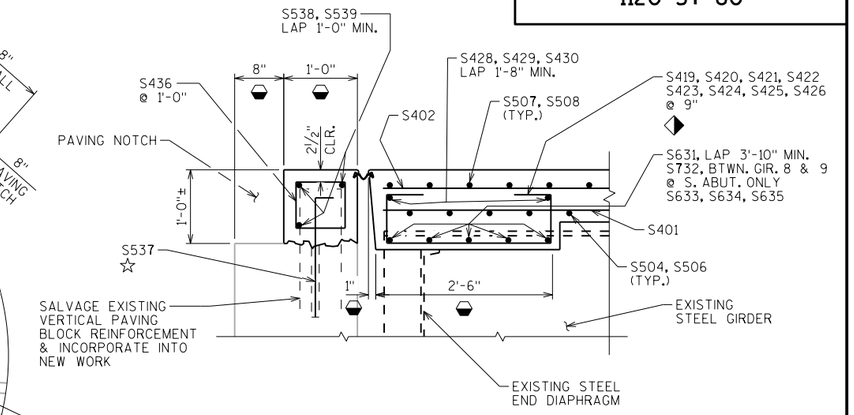
DETAIL F

SOUTHEAST CORNER

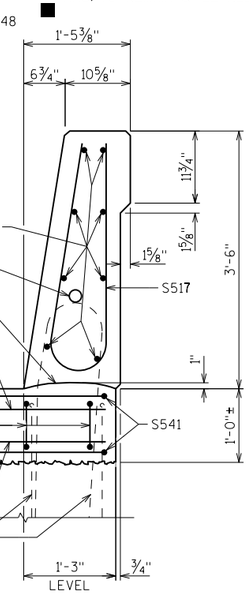


DETAIL G

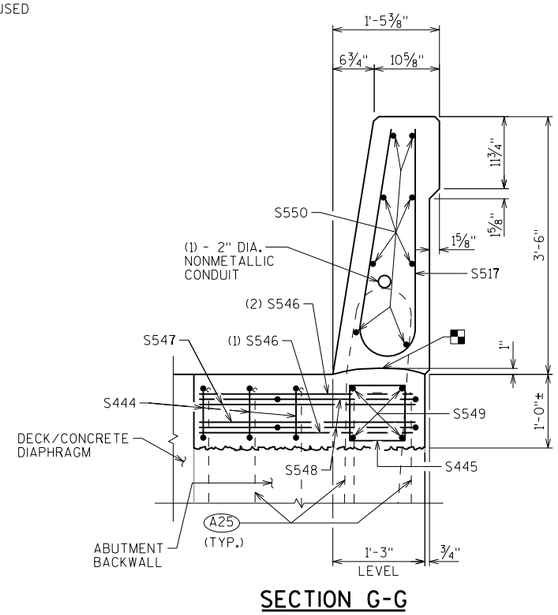
NORTHEAST CORNER



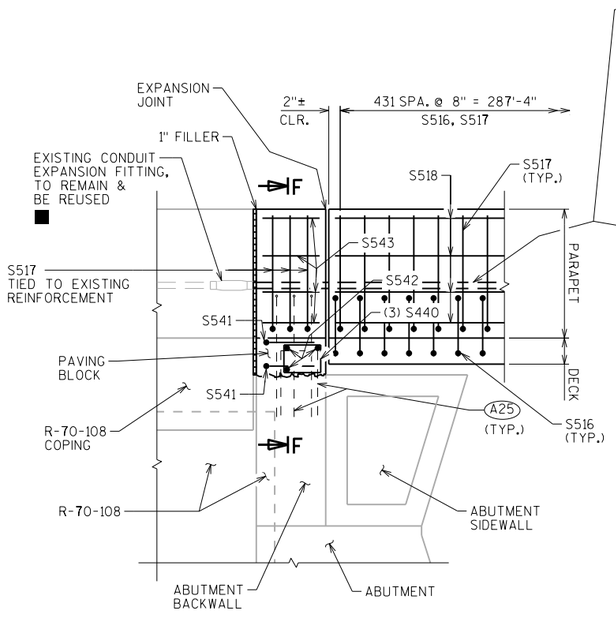
SECTION E-E



SECTION F-F

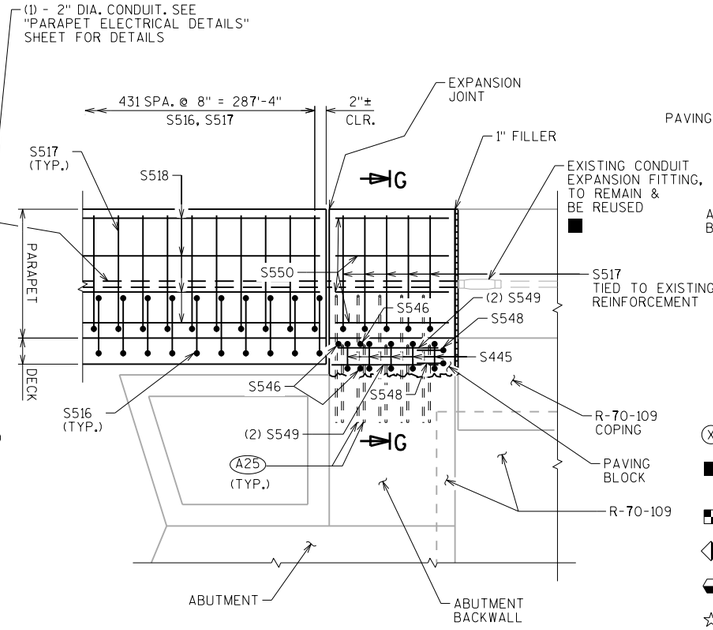


SECTION G-G



ELEVATION AT DETAIL F

DECK REINFORCEMENT NOT SHOWN FOR CLARITY



ELEVATION AT DETAIL G

DECK REINFORCEMENT NOT SHOWN FOR CLARITY

- (X) GIRDER NUMBER
- ■ CONTACT THE BUREAU OF STRUCTURES IF EXISTING CONDUIT EXPANSION FITTING CANNOT BE USED.
- ◪ CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.
- ◆ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.
- ⬭ DIMENSIONS ARE NORMAL TO ℄ SUBSTRUCTURE.
- ☆ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.
- (A25) SALVAGE EXISTING #5 REINFORCEMENT BAR & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE DAMAGED OR UNUSABLE. EMBED ADHESIVE ANCHORS 1'-0". REPLACEMENT ANCHORS INCIDENTAL TO BID ITEM "REMOVING STRUCTURE B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE 3

SHEET 11

583

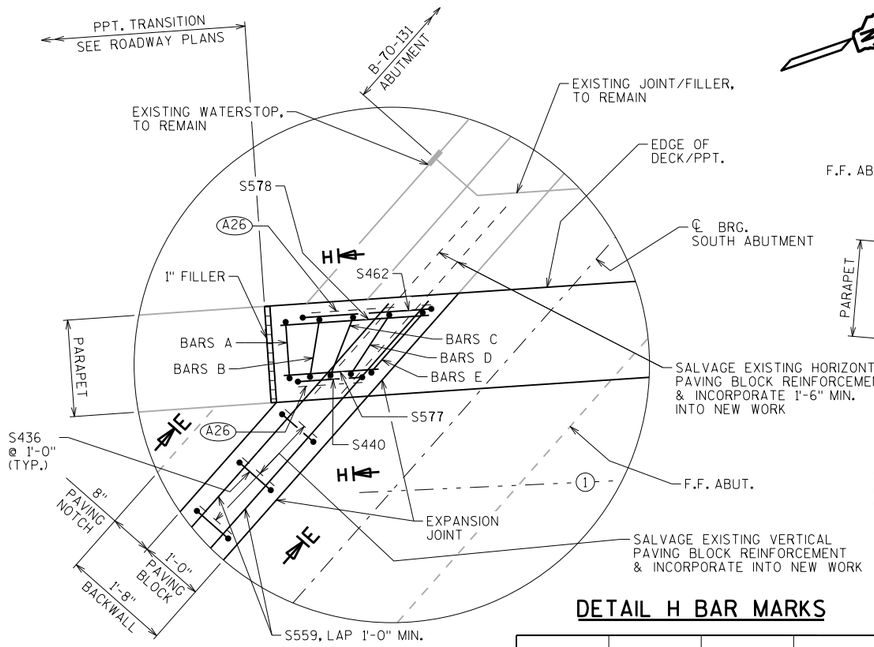
SCALE = 2.00

8

8

STATE PROJECT NUMBER

1120-57-60

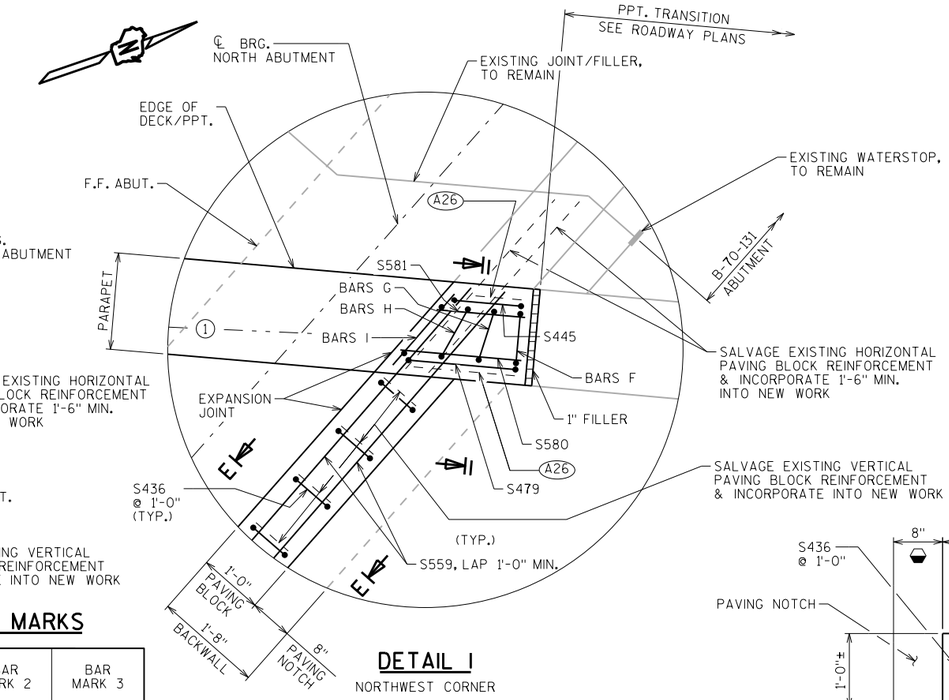


DETAIL H

SOUTHWEST CORNER

DETAIL H BAR MARKS

NOTE	BAR MARK 1	BAR MARK 2	BAR MARK 3
BARS A	S563	△ S568	S517
BARS B	S564	△ S569	S573
BARS C	S565	△ S570	S574
BARS D	S566	△ S571	S575
BARS E	S567	△ S572	S576

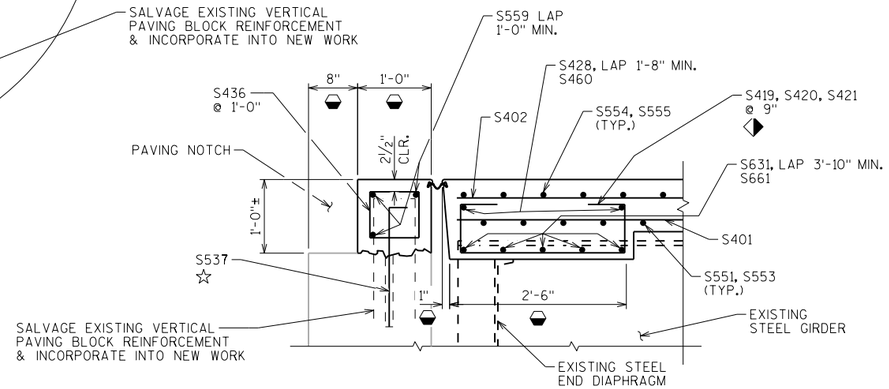


DETAIL I

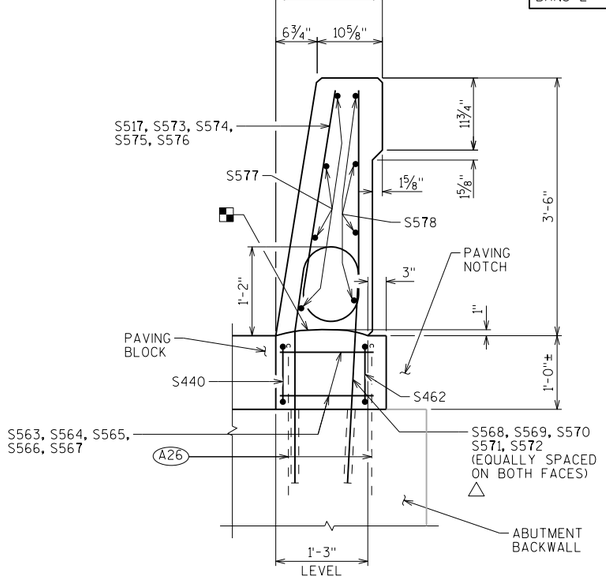
NORTHWEST CORNER

DETAIL I BAR MARKS

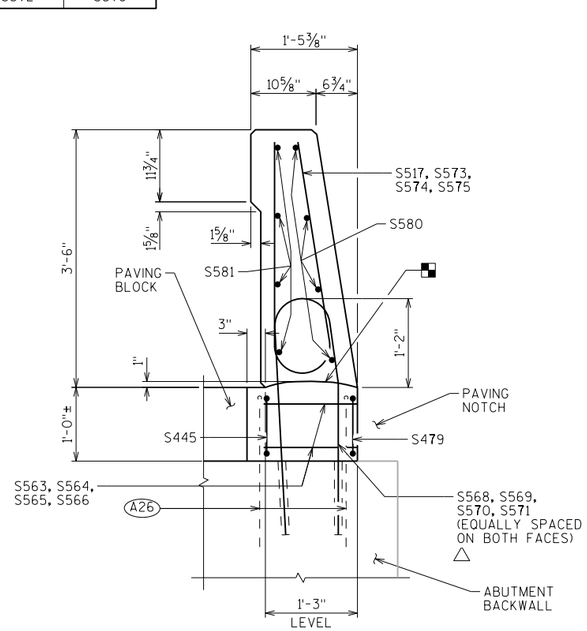
NOTE	BAR MARK 1	BAR MARK 2	BAR MARK 3
BARS F	S563	△ S568	S517
BARS G	S564	△ S569	S573
BARS H	S565	△ S570	S574
BARS I	S566	△ S571	S575



SECTION E-E



SECTION H-H



SECTION I-I

- (X) GIRDER NUMBER
- ■ CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.
- ◆ BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO ℄ GIRDERS.
- ◒ DIMENSIONS ARE NORMAL TO ℄ SUBSTRUCTURE.
- ☆ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.
- △ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AS SHOWN.

(A26) SALVAGE EXISTING #6 REINFORCEMENT BAR & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE DAMAGED OR UNUSABLE. EMBED ADHESIVE ANCHORS 1'-0". REPLACEMENT ANCHORS INCIDENTAL TO BID ITEM "REMOVING STRUCTURE B-70-132".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE 4

SHEET 12

584

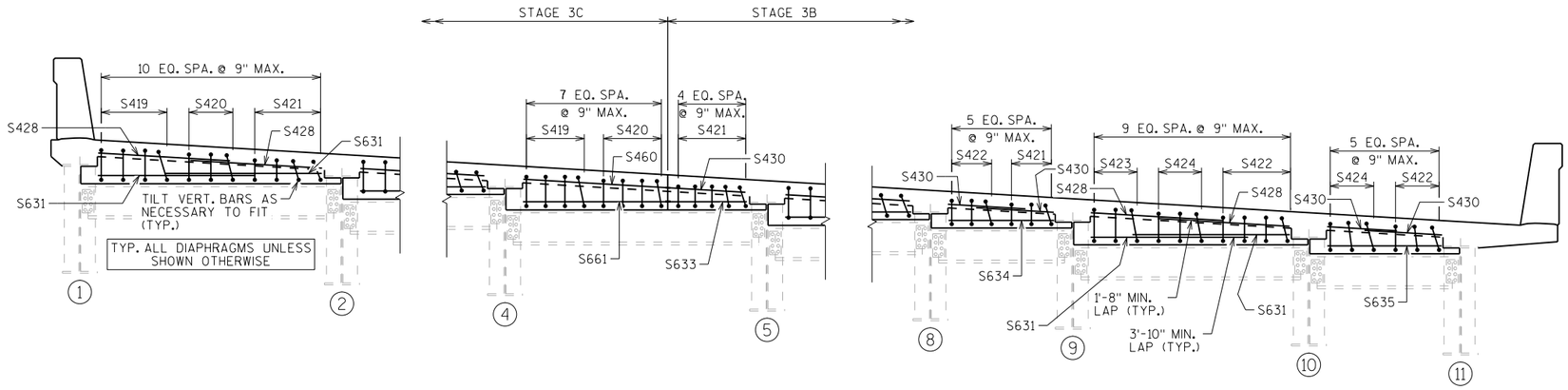
8

8

SCALE = 2.00

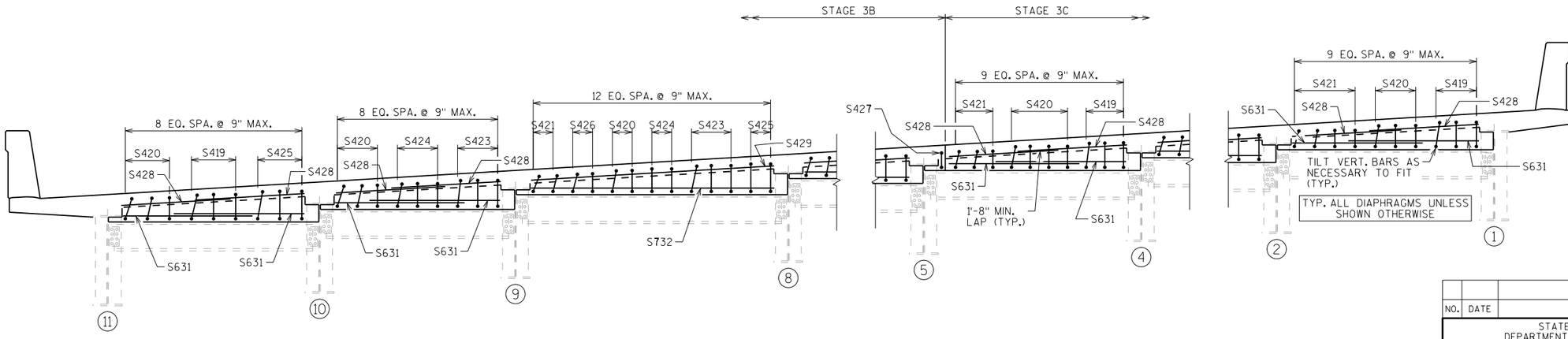
STATE PROJECT NUMBER

1120-57-60



PART SECTION AT NORTH ABUTMENT DIAPHRAGM

LOOKING NORTH



PART SECTION AT SOUTH ABUTMENT DIAPHRAGM

LOOKING SOUTH

(X) GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE 5

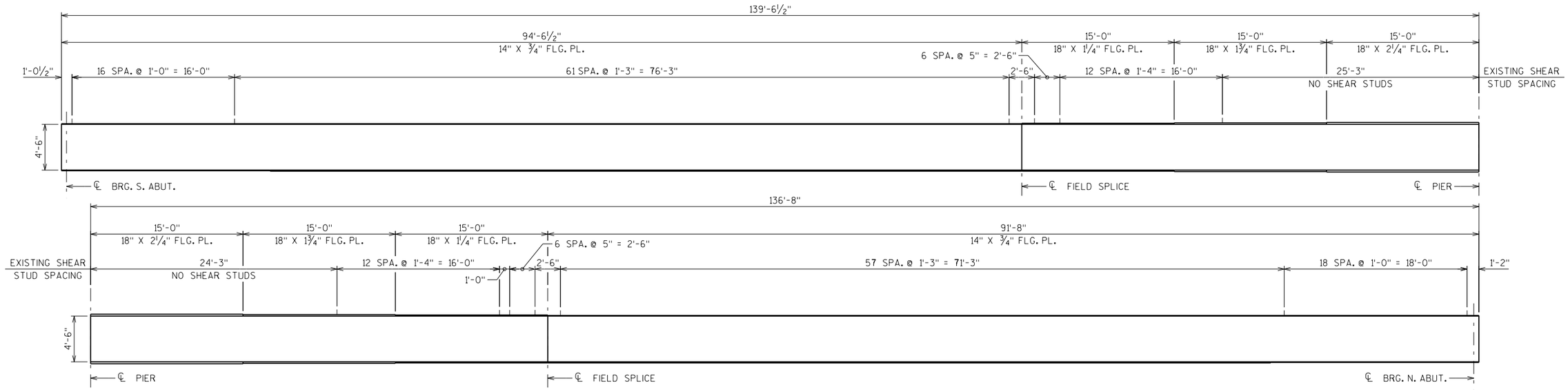
SHEET 13

585

SCALE = 3.00

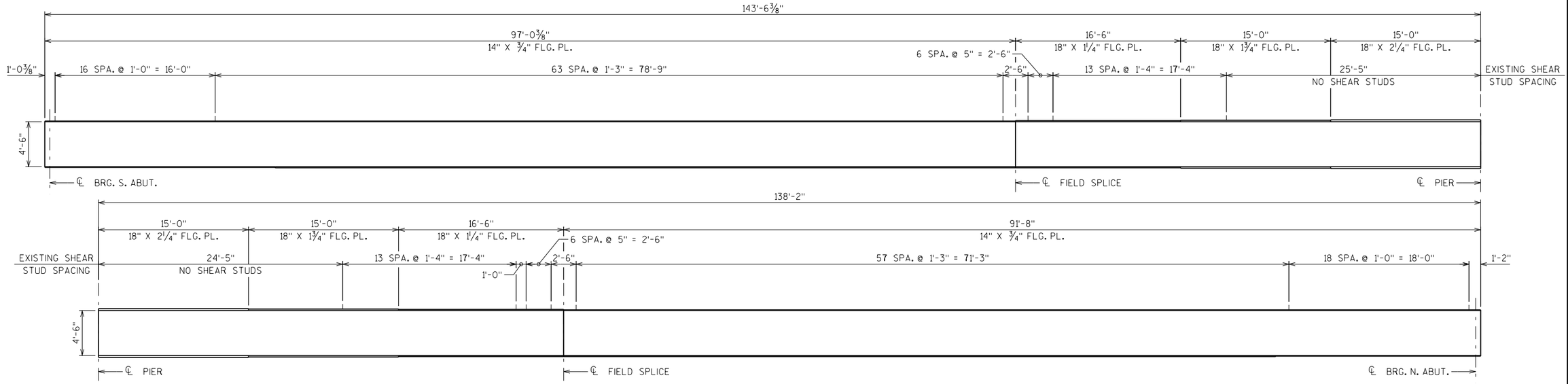
STATE PROJECT NUMBER

1120-57-60



ELEVATION EXISTING GIRDERS 1 THRU 8

FOR INFORMATION ONLY



ELEVATION EXISTING GIRDER 9

FOR INFORMATION ONLY

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

SUPERSTRUCTURE DETAILS 1

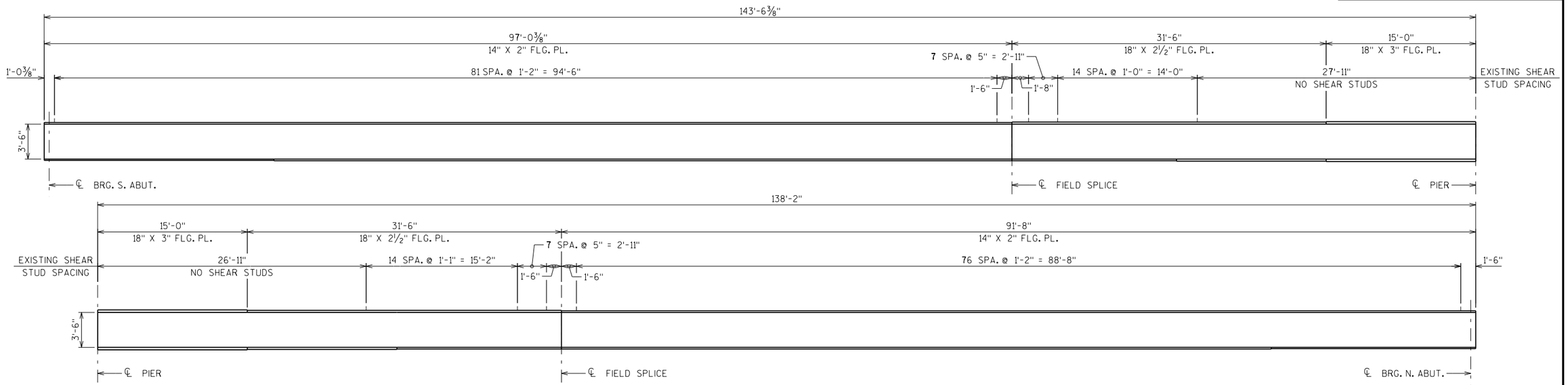
SHEET 14

586

SCALE = 5.00

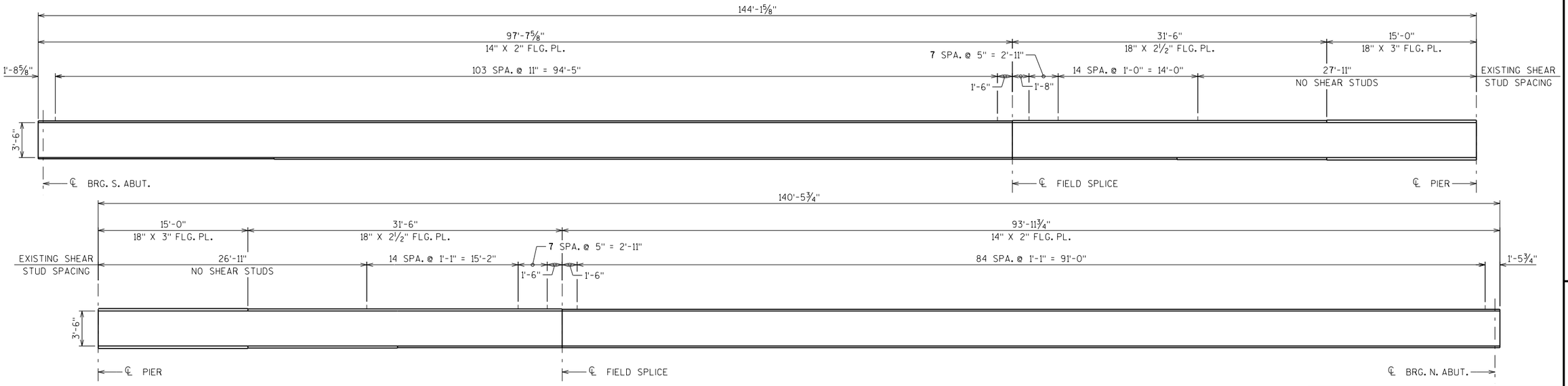
STATE PROJECT NUMBER

1120-57-60



ELEVATION EXISTING GIRDER 10

FOR INFORMATION ONLY



ELEVATION EXISTING GIRDER 11

FOR INFORMATION ONLY

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

SUPERSTRUCTURE DETAILS 2

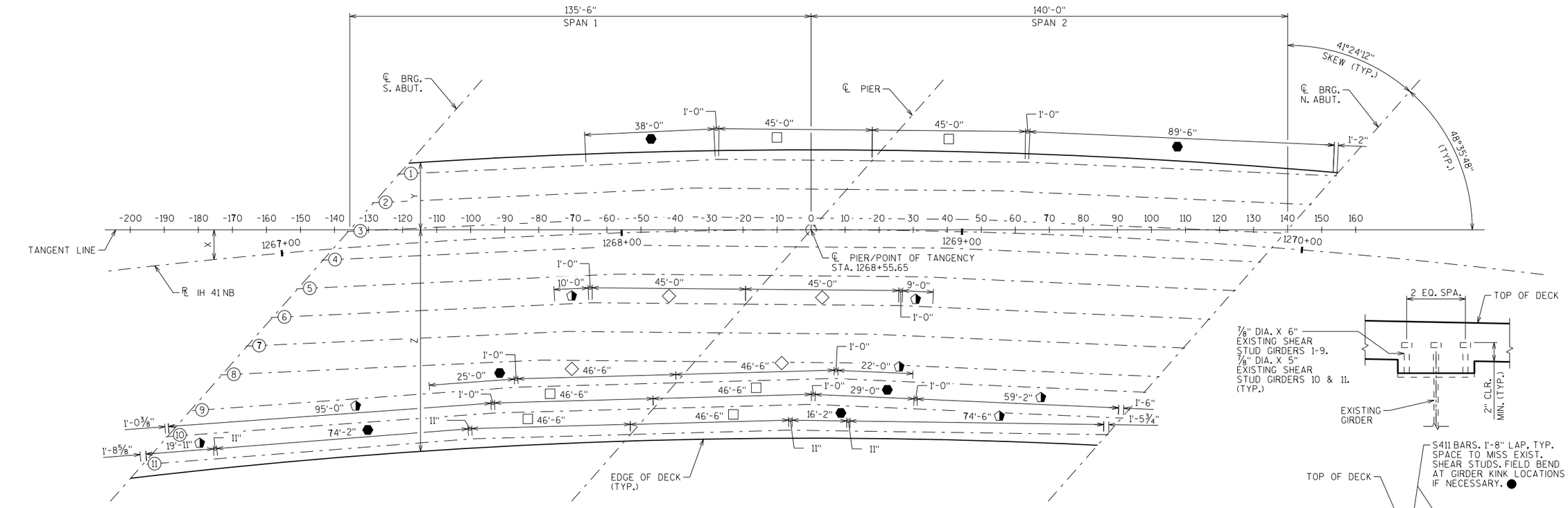
SHEET 15

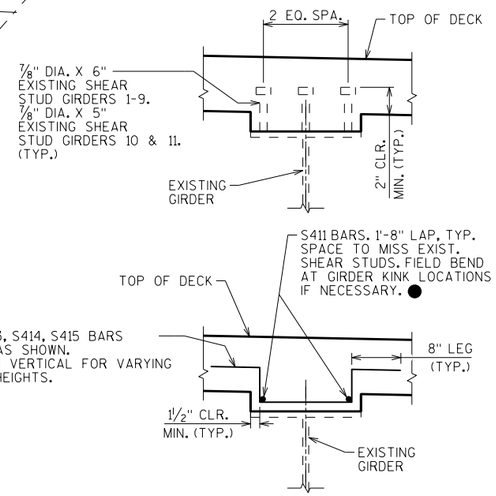
587

SCALE = 5.00

STATE PROJECT NUMBER

1120-57-60





GIRDER HAUNCH DETAIL

● S411 BAR QUANTITIES

GIRDER 1 - 22 BARS
GIRDERS 2 THRU 8 - 12 BARS
GIRDER 9 - 14 BARS
GIRDERS 10 & 11 - 28 BARS

Ⓧ GIRDER NUMBER

TABLE OF TAN. OFFSETS

OFFSETS ARE NORMAL TO TANGENT LINE

DIST. FROM POT (FT)	X (FT)	Y (FT)	Z (FT)
-200	11.38	———	73.04
-190	10.27	———	71.89
-180	9.21	———	70.80
-170	8.22	———	69.76
-160	7.28	———	68.79
-150	6.39	———	67.87
-140	5.57	———	67.02
-130	4.80	———	66.22
-120	4.09	19.47	65.49
-110	3.44	20.11	64.81
-100	2.84	20.70	64.19
-90	2.30	21.23	63.63
-80	1.82	21.71	63.13
-70	1.39	22.13	62.69
-60	1.02	22.49	62.31
-50	0.71	22.80	61.99
-40	0.45	23.05	61.72
-30	0.26	23.25	61.52
-20	0.11	23.39	61.37
-10	0.03	23.47	61.28

DIST. FROM POT (FT)	X (FT)	Y (FT)	Z (FT)
0	0.00	23.5	61.25
10	0.03	23.47	61.28
20	0.11	23.39	61.37
30	0.26	23.25	61.52
40	0.45	23.05	61.72
50	0.71	22.80	61.99
60	1.02	22.49	62.31
70	1.39	22.13	62.69
80	1.82	21.71	63.13
90	2.30	21.23	———
100	2.84	20.70	———
110	3.44	20.11	———
120	4.09	19.47	———
130	4.80	18.76	———
140	5.57	18.01	———
150	6.39	17.19	———
160	7.28	———	———

GIRDER HAT BARS

GIRDER NUMBER	SPAN 1		
GIRDER 1	——— ———	⬢ S414 - 38 SPA. @ 1'-0"	□ S415 - 45 SPA. @ 1'-0"
GIRDERS 2-8	——— ———	◑ S412 - 10 SPA. @ 1'-0"	◇ S413 - 45 SPA. @ 1'-0"
GIRDER 9	——— ———	⬢ S414 - 25 SPA. @ 1'-0"	◇ S413 - 47 SPA. @ 1'-0" MAX.
GIRDER 10	——— ———	◑ S412 - 95 SPA. @ 1'-0"	□ S415 - 47 SPA. @ 1'-0" MAX.
GIRDER 11	◑ S412 - 22 SPA. @ 11" MAX	⬢ S414 - 81 SPA. @ 11" MAX.	□ S415 - 47 SPA. @ 1'-0" MAX.
GIRDER NUMBER	**SPAN 2**		
GIRDER 1	□ S415 - 45 SPA. @ 1'-0"	⬢ S414 - 90 SPA. @ 1'-0" MAX.	——— ———
GIRDERS 2-8	◇ S413 - 45 SPA. @ 1'-0"	◑ S412 - 9 SPA. @ 1'-0"	——— ———
GIRDER 9	◇ S413 - 47 SPA. @ 1'-0" MAX.	◑ S412 - 22 SPA. @ 1'-0"	——— ———
GIRDER 10	□ S415 - 47 SPA. @ 1'-0" MAX.	⬢ S414 - 29 SPA. @ 1'-0"	◑ S412 - 60 SPA. @ 1'-0" MAX.
GIRDER 11	□ S415 - 47 SPA. @ 1'-0" MAX.	⬢ S414 - 18 SPA. @ 11" MAX.	◑ S412 - 82 SPA. @ 11" MAX.

NOTE: S411, S412, S413, S414, & S415 HAUNCH BARS ONLY REQUIRED IN AREAS OF LARGE HAUNCH WHERE SHEAR STUD EMBEDMENT INTO THE NEW DECK IS LESS THAN 2". LOCATION AND NUMBER OF HAUNCH BARS IS AN ESTIMATE BASED ON ANTICIPATED HAUNCH VALUES. EXACT LOCATION AND NUMBER SHALL BE DETERMINED BASED ON FIELD CONDITIONS & CALCULATIONS. WHEN SHEAR STUD SPACING IS LESS THAN OR EQUAL TO 1'-0", HAUNCH BAR SPACING SHALL MATCH. WHEN SHEAR STUD SPACING IS MORE THAN 1'-0", SPACING OF HAUNCH BARS SHALL BE 1'-0" MAX.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

SUPERSTRUCTURE DETAILS 3

SHEET 16

588

SCALE = 15.00

8

8

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D. STAGE 3B	NO. REQ'D. STAGE 3C	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	581	378	42'-7"			DECK - LONGITUDINAL - BOTTOM
S402	X	498	324	41'-8"			DECK - LONGITUDINAL - TOP
S603	X	83	54	53'-6"			DECK - LONGITUDINAL - TOP
S504	X	90	—	26'-1"		◭	DECK - TRANSVERSE - BOTTOM
⊙ S505	X	1,760	—	27'-0"			DECK - TRANSVERSE - TOP & BOTTOM
⊙ S506	X	76	—	25'-8"		◭	DECK - TRANSVERSE - BOTTOM
S507	X	89	—	26'-2"		◭	DECK - TRANSVERSE - TOP
⊙ S508	X	76	—	26'-0"		◭	DECK - TRANSVERSE - TOP
S409	X	240	—	4'-9"	X		DECK - EDGE - TOP
S410	X	25	—	5'-8"	X		DECK - EDGE - TOP
● S411	X	118	58	21'-9"			DECK - HORIZONTAL - ABOVE GIRDER
S412	X	370	63	3'-1"	X		DECK - VERTICAL - HAUNCH
S413	X	459	273	3'-5"	X		DECK - VERTICAL - HAUNCH
S414	X	157	130	3'-5"	X		DECK - VERTICAL - HAUNCH
S415	X	190	91	3'-9"	X		DECK - VERTICAL - HAUNCH
S516	X	434	416	4'-5"	X		DECK/PARAPET - VERTICAL
S517	X	440	416	6'-8"	X		PARAPET - VERTICAL
S518	X	56	—	43'-0"			PARAPET - HORIZONTAL
S419	X	24	28	6'-6"	X		DIAPHRAGM - VERTICAL
S420	X	26	26	6'-2"	X		DIAPHRAGM - VERTICAL
S421	X	34	27	5'-8"	X		DIAPHRAGM - VERTICAL
S422	X	10	—	6'-0"	X		DIAPHRAGM - VERTICAL
S423	X	9	—	6'-8"	X		DIAPHRAGM - VERTICAL
S424	X	11	—	6'-4"	X		DIAPHRAGM - VERTICAL
S425	X	5	—	6'-10"	X		DIAPHRAGM - VERTICAL
S426	X	2	—	5'-10"	X		DIAPHRAGM - VERTICAL
S427	X	1	—	5'-6"	X		DIAPHRAGM - VERTICAL
S428	X	36	28	5'-8"			DIAPHRAGM - HORIZONTAL
S429	X	2	—	12'-7"			DIAPHRAGM - HORIZONTAL
⊙ S430	X	10	—	3'-4"			DIAPHRAGM - HORIZONTAL
S631	X	90	70	6'-9"			DIAPHRAGM - HORIZONTAL
S732	X	5	—	12'-7"			DIAPHRAGM - HORIZONTAL
⊙ S633	X	5	—	3'-4"			DIAPHRAGM - HORIZONTAL
S634	X	5	—	4'-7"			DIAPHRAGM - HORIZONTAL
S635	X	5	—	5'-0"			DIAPHRAGM - HORIZONTAL
S436	X	136	90	3'-0"	X		PAVING BLOCK - VERTICAL
☆ S537	X	136	90	2'-6"	X		PAVING BLOCK - VERTICAL
⊙ S538	X	30	—	8'-3"			PAVING BLOCK - HORIZONTAL - SOUTH ABUTMENT
⊙ S539	X	24	—	8'-8"			PAVING BLOCK - HORIZONTAL - NORTH ABUTMENT
S440	X	3	1	3'-8"	X		PAVING BLOCK - VERTICAL - SOUTHEAST/SOUTHWEST CORNERS
S541	X	2	—	4'-8"	X		PAVING BLOCK - HORIZONTAL - SOUTHEAST CORNER
S542	X	3	—	1'-11"			PAVING BLOCK - HORIZONTAL - SOUTHEAST CORNER
S543	X	8	—	1'-6"			PARAPET - HORIZONTAL - SOUTHEAST CORNER
S444	X	3	—	4'-4"	X		PAVING BLOCK - VERTICAL - NORTHEAST CORNER
S445	X	5	1	3'-2"	X		PAVING BLOCK - VERTICAL - NORTHEAST/NORTHWEST CORNERS
S546	X	3	—	3'-6"	X		PAVING BLOCK - HORIZONTAL - NORTHEAST CORNER
S547	X	2	—	2'-11"			PAVING BLOCK - HORIZONTAL - NORTHEAST CORNER
S548	X	2	—	4'-5"	X		PAVING BLOCK - HORIZONTAL - NORTHEAST CORNER
S549	X	4	—	3'-0"			PAVING BLOCK - HORIZONTAL - NORTHEAST CORNER
S550	X	8	—	3'-1"			PARAPET - HORIZONTAL - NORTHEAST CORNER
⊙ S551	X	—	57	17'-0"		◭	DECK - TRANSVERSE - BTM.
⊙ S552	X	—	917	33'-5"			DECK - TRANSVERSE - TOP & BTM.
S553	X	—	50	17'-1"		◭	DECK - TRANSVERSE - BTM.
⊙ S554	X	—	58	17'-1"		◭	DECK - TRANSVERSE - TOP
S555	X	—	50	17'-4"		◭	DECK - TRANSVERSE - TOP
S456	X	—	240	5'-0"	X		DECK - EDGE - TOP
S457	X	—	14	3'-0"	X		DECK - EDGE - TOP
S558	X	—	56	41'-6"			PARAPET - HORIZONTAL
⊙ S559	X	—	39	8'-0"			PAVING BLOCK - HORIZONTAL
⊙ S460	X	—	2	6'-1"			DIAPHRAGM - HORIZONTAL
⊙ S661	X	—	5	6'-1"			DIAPHRAGM - HORIZONTAL
S462	X	—	1	5'-8"	X		PAVING BLOCK - VERTICAL - SOUTHWEST CORNER
S563	X	—	4	1'-2"			PAVING BLOCK - HORIZONTAL -SOUTHWEST/NORTHWEST CORNERS
S564	X	—	6	1'-3"			PAVING BLOCK - HORIZONTAL -SOUTHWEST/NORTHWEST CORNERS
S565	X	—	4	1'-4"			PAVING BLOCK - HORIZONTAL -SOUTHWEST/NORTHWEST CORNERS
S566	X	—	4	1'-6"			PAVING BLOCK - HORIZONTAL -SOUTHWEST/NORTHWEST CORNERS
S567	X	—	2	1'-8"			PAVING BLOCK - HORIZONTAL -SOUTHWEST CORNER
△ S568	X	—	2	6'-10"	X		PAVING BLOCK/PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
△ S569	X	—	2	7'-0"	X		PAVING BLOCK/PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
△ S570	X	—	2	7'-2"	X		PAVING BLOCK/PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
△ S571	X	—	2	7'-5"	X		PAVING BLOCK/PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
△ S572	X	—	1	7'-8"	X		PAVING BLOCK/PARAPET - VERTICAL - SOUTHWEST CORNER
S573	X	—	2	6'-10"	X		PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
S574	X	—	2	7'-0"	X		PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
S575	X	—	2	7'-3"	X		PARAPET - VERTICAL - SOUTHWEST/NORTHWEST CORNERS
S576	X	—	1	7'-6"	X		PARAPET - VERTICAL - SOUTHWEST CORNER
S577	X	—	4	1'-2"			PARAPET - HORIZONTAL - SOUTHWEST CORNER
S578	X	—	4	2'-4"			PARAPET - HORIZONTAL - SOUTHWEST CORNER
S479	X	—	1	5'-0"	X		PAVING BLOCK - VERTICAL - NORTHWEST CORNER
S580	X	—	4	1'-11"			PARAPET - HORIZONTAL - NORTHWEST CORNER
S581	X	—	4	1'-0"			PARAPET - HORIZONTAL - NORTHWEST CORNER
S482	X	12	12	10'-9"			STRIP SEAL - HORIZONTAL - BOTH ABUTMENTS - BETWEEN GIRDERS 1 - 4 & 5 - 8
S483	X	2	—	13'-7"			STRIP SEAL - HORIZONTAL - SOUTH ABUTMENT - BETWEEN GIRDERS 8 & 9
S484	X	4	—	9'-8"			STRIP SEAL - HORIZONTAL - BOTH ABUTMENTS - BETWEEN GIRDERS 9 & 10
S485	X	2	—	10'-6"			STRIP SEAL - HORIZONTAL - SOUTH ABUTMENT - BETWEEN GIRDERS 10 & 11
S486	X	2	—	5'-7"			STRIP SEAL - HORIZONTAL - NORTH ABUTMENT - BETWEEN GIRDERS 8 & 9
S487	X	2	—	6'-0"			STRIP SEAL - HORIZONTAL - NORTH ABUTMENT - BETWEEN GIRDERS 10 & 11
⊙ S488	X	2	—	0'-11"			STRIP SEAL - HORIZONTAL - SOUTH ABUTMENT - CONSTRUCTION JOINT
⊙ S489	X	2	—	4'-0"			STRIP SEAL - HORIZONTAL - NORTH ABUTMENT - CONSTRUCTION JOINT
⊙ S490	X	—	2	9'-11"			STRIP SEAL - HORIZONTAL - SOUTH ABUTMENT - CONSTRUCTION JOINT
⊙ S491	X	—	2	6'-9"			STRIP SEAL - HORIZONTAL - NORTH ABUTMENT - CONSTRUCTION JOINT
S592	X	2	—	3'-2"			PARAPET - VERTICAL - AT JUNCTION BOX

BAR SERIES TABLE

BAR MARK	NO. REQ'D.	LENGTH
S504	1 SERIES OF 90	1'-3" TO 50'-11"
S506	1 SERIES OF 76	1'-0" TO 49'-6"
S507	1 SERIES OF 89	1'-7" TO 50'-8"
S508	1 SERIES OF 76	1'-3" TO 49'-9"

BAR MARK	NO. REQ'D.	LENGTH
S551	1 SERIES OF 57	1'-0" TO 32'-11"
S553	1 SERIES OF 50	1'-0" TO 33'-2"
S554	1 SERIES OF 58	1'-0" TO 33'-2"
S555	1 SERIES OF 50	1'-3" TO 33'-5"

BUNDLE AND TAG EACH SERIES SEPARATELY.

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

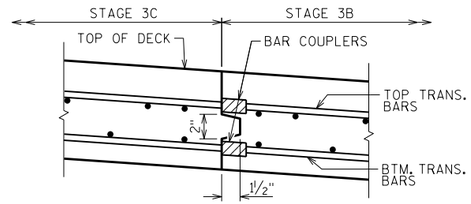
☆ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

△ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AS SHOWN ON "SUPERSTRUCTURE 4" SHEET.

● S411 BAR QUANTITIES
GIRDER 1 - 22 BARS
GIRDERS 2 THRU 8 - 12 BARS
GIRDER 9 - 14 BARS
GIRDERS 10 & 11 - 28 BARS

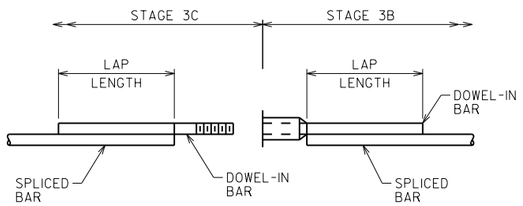
⊙ BAR COUPLERS REQ'D. BAR LENGTHS ARE COMPUTED TO THE ℄ OF THE CONSTRUCTION JOINT AND SHALL BE MODIFIED BY THE BAR COUPLER MANUFACTURERS RECOMMENDATIONS.

STATE PROJECT NUMBER
1120-57-60



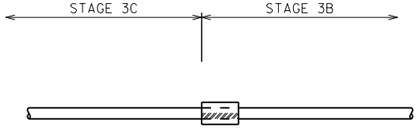
SECTION THRU CONSTRUCTION JOINT

ONE-PIECE THREADED COUPLER SHOWN



DOWEL BAR COUPLER

STAGE 3C DOWEL SCREWS INTO COUPLER PLACED IN STAGE 3B



ONE-PIECE THREADED COUPLER

BAR COUPLER ALTERNATIVES

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE DETAILS 4

SHEET 17

589

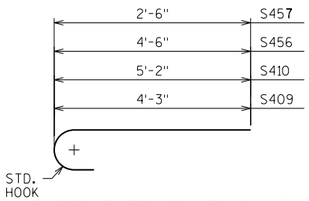
SCALE = 1.00

8

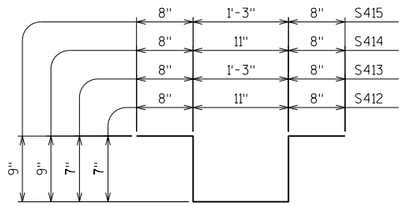
8

STATE PROJECT NUMBER

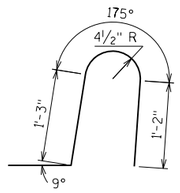
1120-57-60



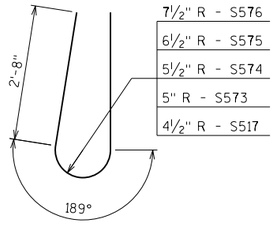
S409, S410, S456, S457



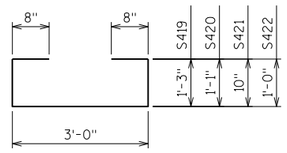
S412, S413, S414, S415



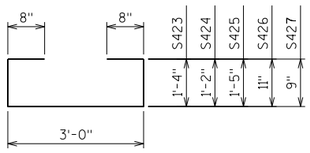
S516



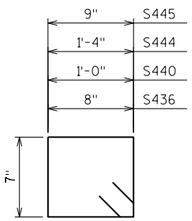
S517, S573, S574, S575, S576



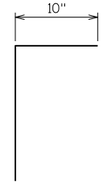
S419, S420, S421, S422



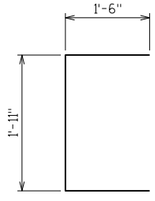
S423, S424, S425, S426, S427



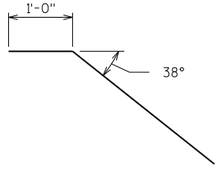
S436, S440, S444, S445



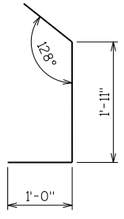
S537



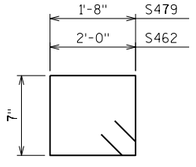
S541



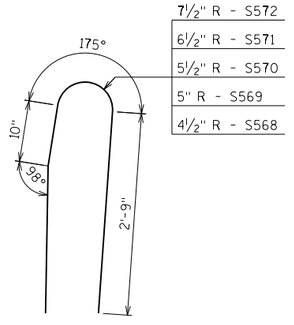
S546



S548



S462, S479



S568, S569, S570, S571, S572

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

SUPERSTRUCTURE DETAILS 5

SHEET 18

590

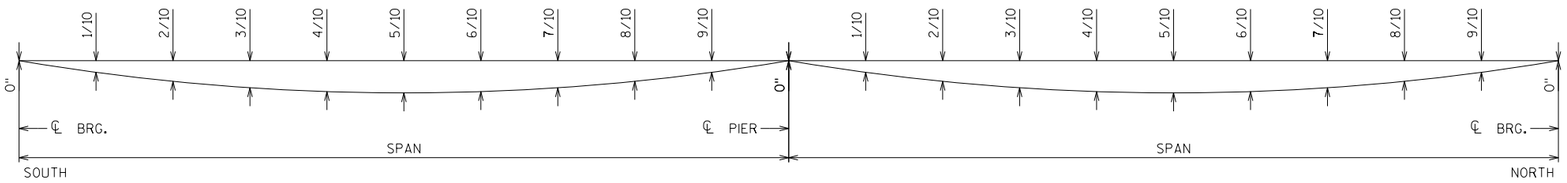
SCALE = 1.00

STATE PROJECT NUMBER

1120-57-60

TOP OF DECK ELEVATIONS

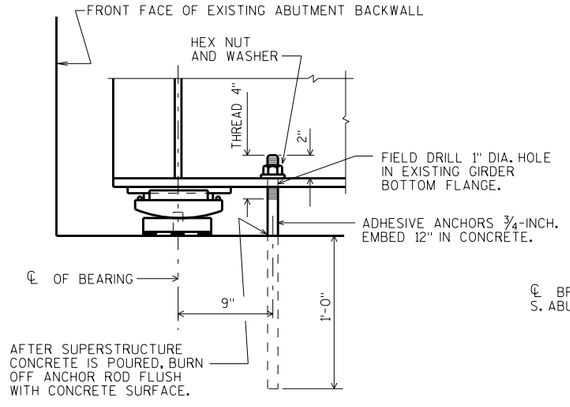
	℄ BRG. S. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	℄ SPLICE	7/10 PT.	8/10 PT.	9/10 PT.	℄ PIER	1/10 PT.	2/10 PT.	3/10 PT.	℄ SPLICE	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	℄ BRG. N. ABUT.
W. EOD	807.64	807.79	807.92	808.05	808.18	808.30	808.41	——	808.52	808.63	808.72	808.82	808.90	808.98	809.05	——	809.12	809.19	809.24	809.30	809.35	809.39	809.43
GIRDER 1	807.53	807.65	807.78	807.91	808.04	808.18	808.31	808.41	808.43	808.52	808.61	808.70	808.79	808.89	808.98	809.01	809.05	809.12	809.18	809.25	809.32	809.39	809.43
GIRDER 2	806.97	807.10	807.23	807.36	807.49	807.63	807.76	807.86	807.88	807.97	808.06	808.15	808.24	808.34	808.43	808.46	808.50	808.57	808.63	808.70	808.77	808.83	808.90
GIRDER 3	806.42	806.55	806.68	806.81	806.94	807.08	807.21	807.31	807.33	807.42	807.51	807.60	807.69	807.79	807.88	807.91	807.95	808.02	808.08	808.15	808.22	808.28	808.35
GIRDER 4	805.88	806.00	806.13	806.26	806.39	806.53	806.66	806.76	806.78	806.87	806.96	807.05	807.14	807.23	807.33	807.36	807.40	807.46	807.53	807.60	807.66	807.73	807.80
CONST. JT.	805.41	805.54	805.69	805.84	805.98	806.12	806.25	——	806.38	806.50	806.61	806.72	806.82	806.91	807.00	——	807.08	807.16	807.23	807.30	807.36	807.41	807.46
GIRDER 5	805.36	805.46	805.58	805.71	805.84	805.97	806.11	806.21	806.23	806.32	806.41	806.50	806.59	806.68	806.78	806.80	806.85	806.91	806.98	807.05	807.11	807.18	807.25
GIRDER 6	804.86	804.94	805.03	805.16	805.29	805.42	805.56	805.66	805.68	805.77	805.86	805.95	806.04	806.13	806.22	806.25	806.30	806.36	806.43	806.50	806.56	806.63	806.70
GIRDER 7	804.39	804.45	804.51	804.60	804.74	804.87	805.00	805.11	805.13	805.22	805.31	805.40	805.49	805.58	805.67	805.70	805.75	805.81	805.88	805.94	806.01	806.08	806.15
GIRDER 8	803.94	803.97	804.02	804.06	804.18	804.32	804.45	804.55	804.58	804.67	804.76	804.85	804.94	805.03	805.12	805.15	805.20	805.26	805.33	805.39	805.46	805.53	805.60
GIRDER 9	803.40	803.43	803.47	803.52	803.59	803.75	803.91	804.03	804.06	804.19	804.31	804.44	804.56	804.68	804.80	804.85	804.89	804.96	805.02	805.09	805.16	805.23	805.30
GIRDER 10	803.02	803.05	803.07	803.10	803.13	803.25	803.41	803.54	803.57	803.69	803.82	803.94	804.06	804.18	804.31	804.35	804.39	804.46	804.53	804.59	804.66	804.73	804.80
GIRDER 11	802.57	802.67	802.67	802.68	802.69	802.74	802.91	803.04	803.07	803.19	803.32	803.44	803.57	803.69	803.82	803.86	803.92	804.01	804.10	804.20	804.29	804.39	804.48
E. EOD	802.41	802.57	802.59	802.60	802.62	802.64	802.80	——	802.96	803.11	803.25	803.39	803.51	803.63	803.74	——	803.85	803.94	804.04	804.13	804.21	804.28	804.35



DEFLECTION DIAGRAM

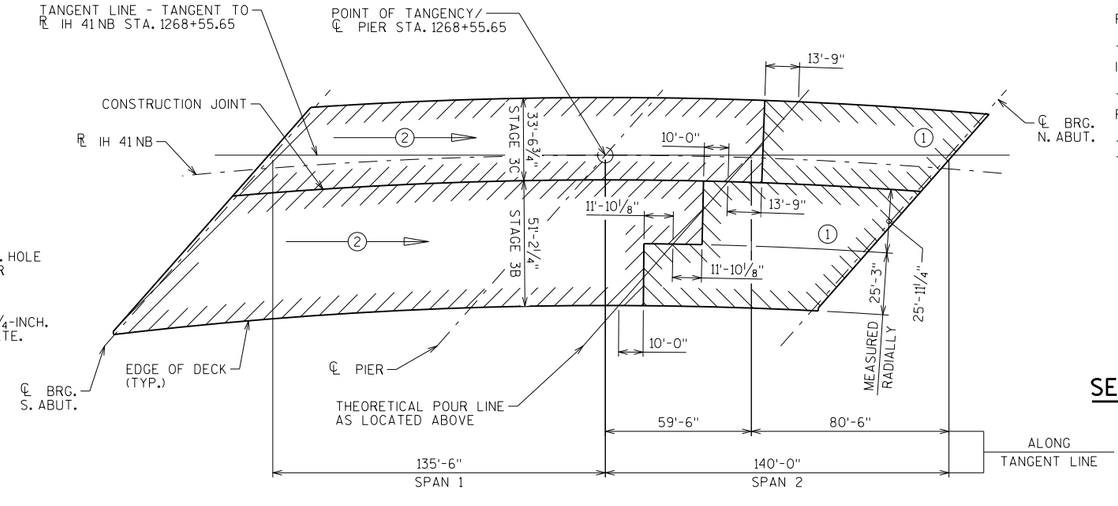
GIR.		℄ BRG. S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	℄ BRG. N. ABUT.
1	TOTAL DEFL.	0.0	1.3	2.3	3.0	3.2	3.0	2.4	1.6	0.8	0.3	0.0	0.2	0.8	1.5	2.2	2.8	3.0	2.8	2.2	1.2	0.0
2-7	TOTAL DEFL.	0.0	1.2	2.1	2.8	3.0	2.7	2.2	1.5	0.8	0.2	0.0	0.2	0.7	1.4	2.1	2.6	2.8	2.6	2.0	1.1	0.0
8	TOTAL DEFL.	0.0	1.4	2.5	3.3	3.6	3.4	2.8	2.0	1.2	0.5	0.0	-0.1	0.2	0.6	1.0	1.4	1.7	1.6	1.3	0.7	0.0
9	TOTAL DEFL.	0.0	1.5	2.7	3.5	3.8	3.6	3.0	2.2	1.3	0.5	0.0	-0.1	0.1	0.5	1.0	1.4	1.6	1.6	1.3	0.7	0.0
10	TOTAL DEFL.	0.0	1.3	2.3	3.0	3.2	3.1	2.6	1.8	1.0	0.3	0.0	0.1	0.6	1.2	1.8	2.2	2.4	2.2	1.7	0.9	0.0
11	TOTAL DEFL.	0.0	1.3	2.4	3.2	3.4	3.3	2.7	1.9	1.1	0.4	0.0	0.1	0.6	1.2	1.8	2.3	2.5	2.3	1.8	1.0	0.0

SHOWING CONCRETE ONLY DEADLOAD DEFLECTION.
DEFLECTIONS ARE GIVEN TO NEAREST 0.1 INCH.
NEGATIVE VALUE INDICATES UPWARD DEFLECTION.
1/10 POINTS ARE ALONG GIRDER LENGTH.



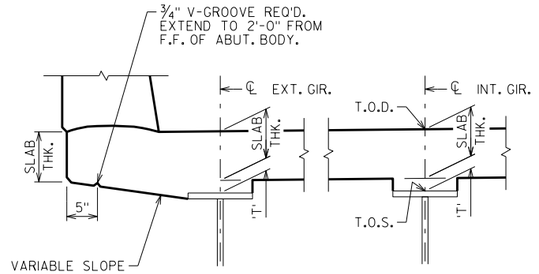
TEMPORARY HOLD DOWN DEVICE

PLACE ONE ANCHOR ROD PER GIRDER AT SOUTH ABUTMENT. LOCATE 4" (NORMAL) OFF ℄ OF GIRDER. ANCHOR ROD, NUT, WASHER, AND DRILLED HOLE IN GIRDER FLANGE SHALL BE PAID FOR AS "ADHESIVE ANCHORS ¾-INCH".



INDICATES POUR NUMBER AND DIRECTION OF POUR ②

DECK POUR SEQUENCE



CONCRETE HAUNCH DETAILS

TO DETERMINE 'T': AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES, TOP OF SPLICE PLATES, OR TOP OF COVER PLATES, WHICHEVER APPLIES, SHALL BE TAKEN AT CENTERLINE OF BEARINGS, CENTERLINE OF FIELD SPLICES, AND AT 0.1 POINTS.

TOP OF DECK ELEVATION AT FINAL GRADE
- TOP OF STEEL ELEVATION AFTER EXISTING DECK HAS BEEN REMOVED
+ CONC. ONLY DEFLECTION; DOWNWARD DEFLECTION IS ADDED, UPWARD DEFLECTION IS SUBTRACTED

\- SLAB THICKNESS (8½")

= 'T' VALUE FOR SETTING HAUNCH

NOTE: DUE TO VARYING HAUNCH VALUES, GIRDER LENGTHS, AND GIRDER TOP FLANGE WIDTHS, MULTIPLE AVERAGE HAUNCH VALUES WERE USED TO CALCULATE THE HAUNCH CONCRETE QUANTITY.

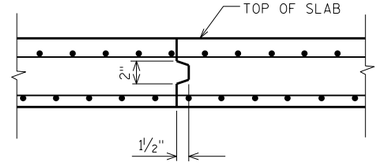
DECK POUR SEQUENCE NOTES

THE RATE OF PLACING CONCRETE SHALL EQUAL OR EXCEED ½ SPAN LENGTH PER HOUR BUT NEED NOT EXCEED 100 CU. YDS. PER HOUR.

TWO OR MORE SEQUENTIAL POURS MAY BE COMBINED AND PLACED IN ONE CONTINUOUS OPERATION.

THE NEXT DECK POUR CAN BE MADE NO LESS THAN 72 HOURS AFTER THE PREVIOUS POUR.

THE CONTRACTOR MAY SUBMIT AN ALTERNATE POURING SEQUENCE SUBJECT TO THE APPROVAL OF THE STRUCTURES DESIGN SECTION.



SECTION THRU TRANSVERSE OR LONGITUDINAL JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

SUPERSTRUCTURE DETAILS 6

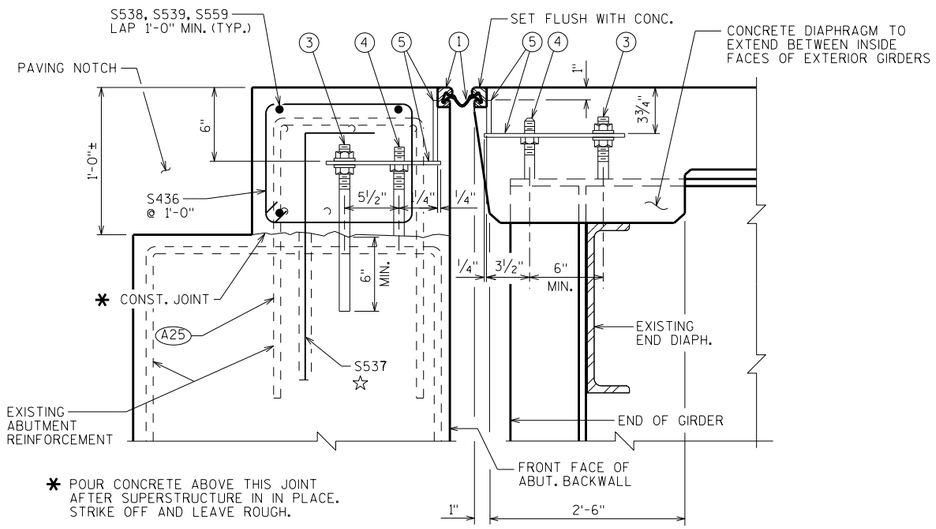
SHEET 19

591

SCALE = 1.00

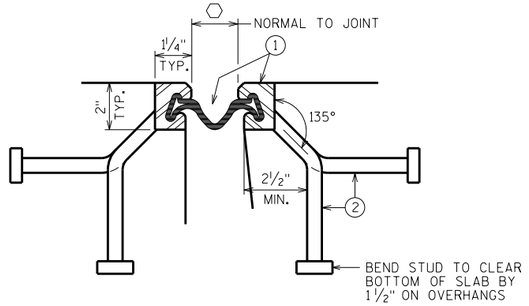
8

8



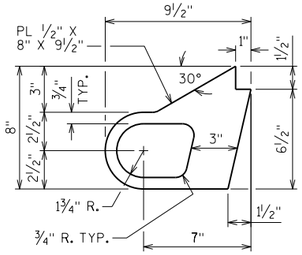
SECTION THRU JOINT AT ABUTMENT

NORMAL TO ℄ SUBSTRUCTURE

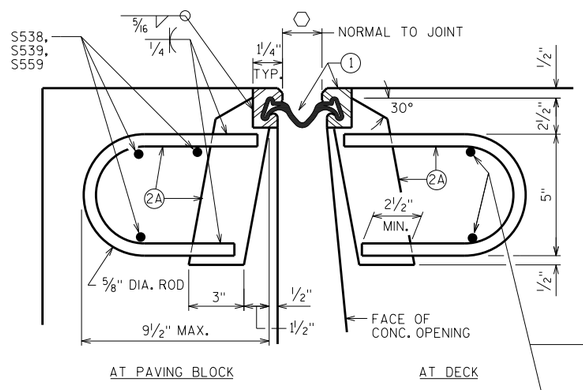


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS, MEDIANS AND SIDEWALKS

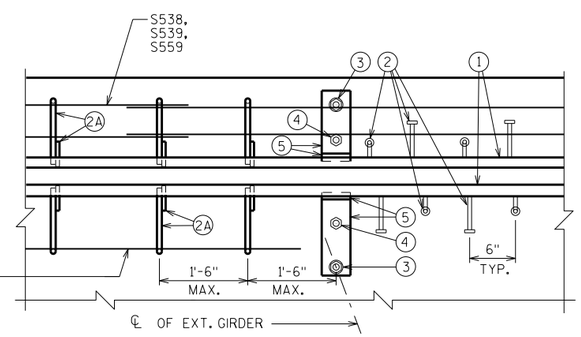


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



S482, S483, S484, S485, S486, S487, S488, S489, S490, S491

PART PLAN

STATE PROJECT NUMBER

1120-57-60

LEGEND

(1) NEOPRENE STRIP SEAL (4 - INCH) AND STEEL EXTRUSIONS.

(2) STUDS ⅝" DIA. X 6⅜" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) ½" THICK ANCHOR PLATE WITH ⅝" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE. WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.

(3) ¾" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.

(4) ¾" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.

(6) GALVANIZED PLATE ⅜" X 10" X 2'-2" LONG WITH HOLES FOR NO. 7.

(7) ¾" DIA. X 1½" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) ¾" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

(9) ¾" DIA. X 2¼" GALVANIZED THREADED COUPLING.

(11) 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

(A25) SALVAGE EXISTING #5 REINFORCEMENT BAR & EXTEND FULL LENGTH INTO NEW WORK. REPLACE IN KIND WITH ADHESIVE ANCHORS IF EXISTING BARS ARE DAMAGED OR UNUSUABLE. EMBED ADHESIVE ANCHORS 1'-0". REPLACEMENT ANCHORS INCIDENTAL TO BID ITEM "REMOVING STRUCTURE B-70-132".

☆ NO. 5 ADHESIVE ANCHORS. EMBED 1'-0" IN CONCRETE. SPACED AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

⬡ TEMPERATURE TABLE

SHADED UNDERSIDE DECK TEMP. (°F)	JOINT OPENING (NORMAL TO JT.)
85°	1⅝"
75°	1¾"
65°	2"
55°	2⅛"
45°	2¼"
35°	2⅜"
25°	2½"
15°	2¾"
5°	2⅞"

A SMALL JOINT OPENING DUE TO A HIGH TEMPERATURE AT TIME OF CONSTRUCTION MAY REQUIRE NEOPRENE STRIP SEAL INSTALLATION INTO STEEL EXTRUSIONS PRIOR TO SETTING THE EXPANSION JOINT.

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE", LF.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

EXPANSION DEVICE

SHEET 20

592

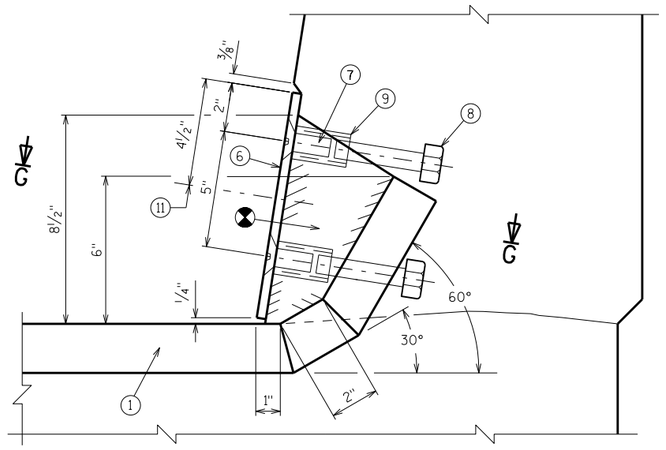
8

8

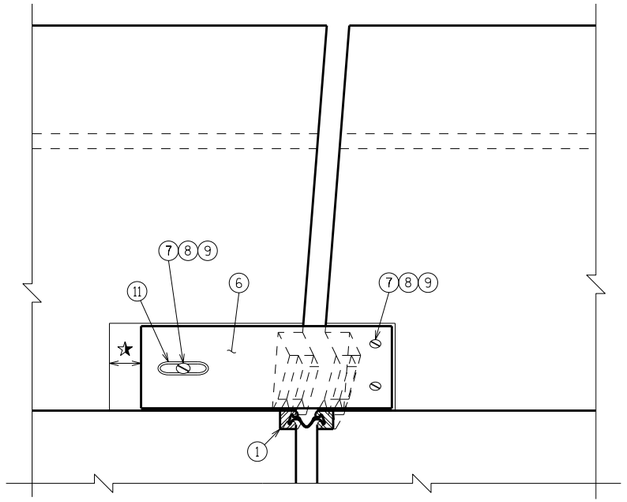
SCALE = 1.00

STATE PROJECT NUMBER

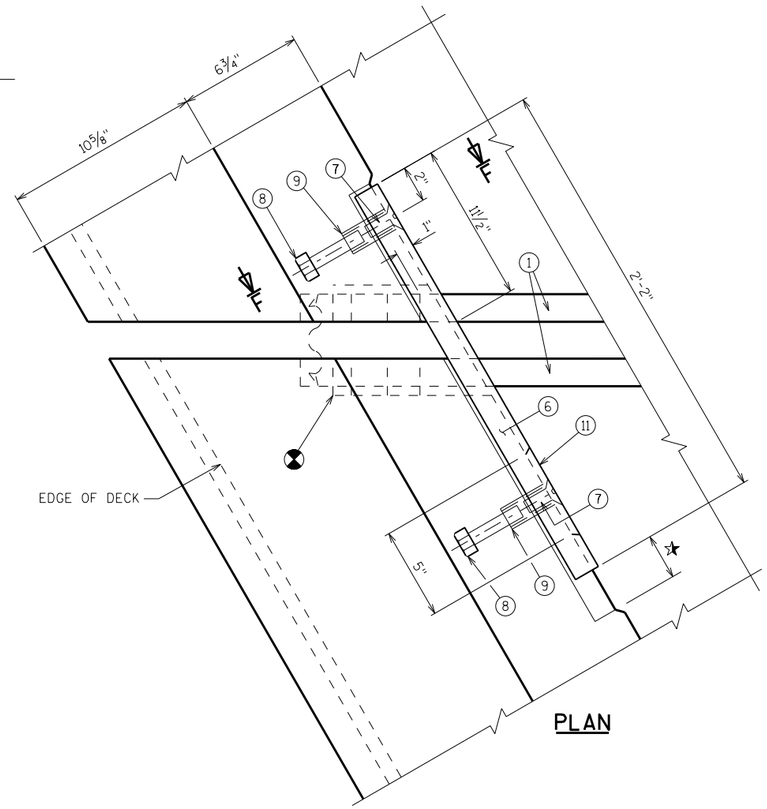
1120-57-60



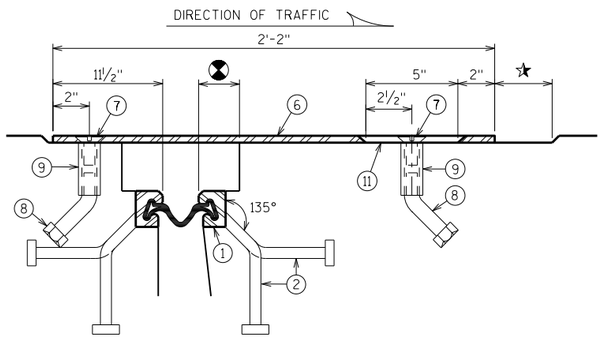
SECTION F-F



VIEW OF PARAPET PLATE FROM ROADWAY



PLAN



SECTION G-G

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS 1/2".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. LMK

COVER PLATE

SHEET 21

593

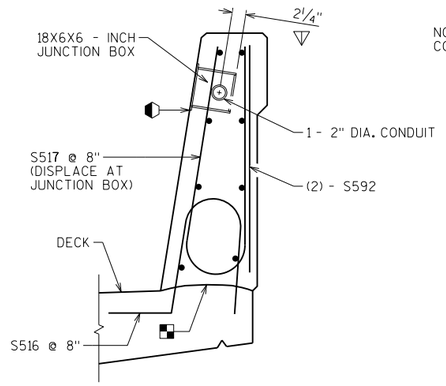
SCALE = 1.00

8

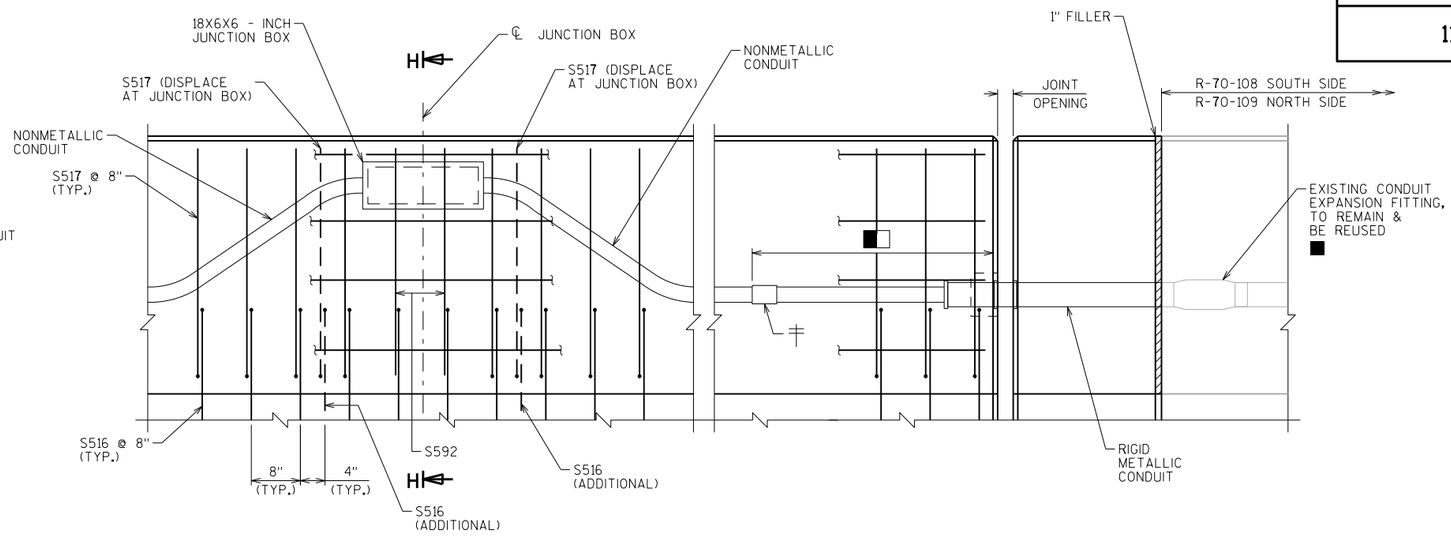
8

STATE PROJECT NUMBER

1120-57-60

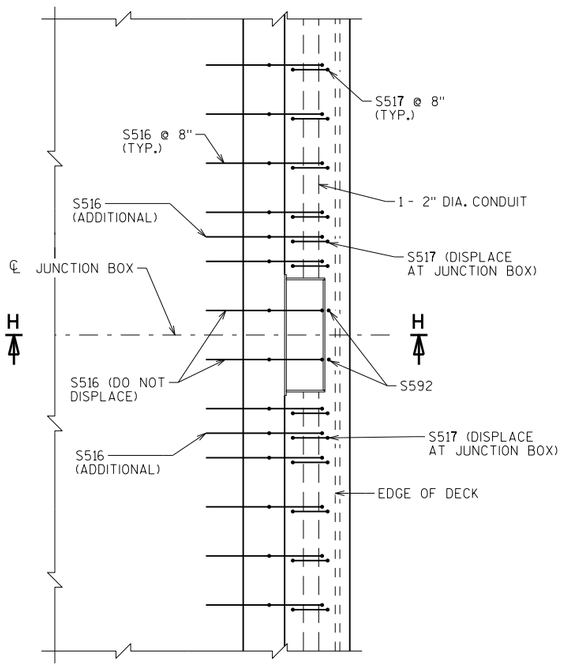


SECTION H-H



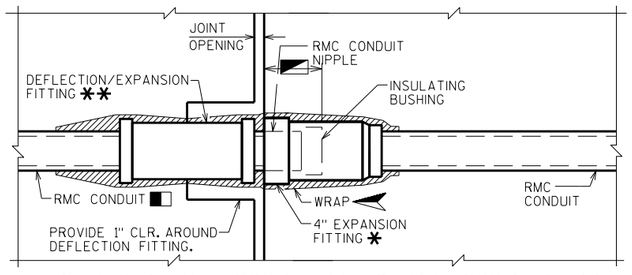
INSIDE ELEVATION AT JUNCTION BOX

(DECK STEEL NOT SHOWN FOR CLARITY)



PLAN AT JUNCTION BOX

JUNCTION BOX LOCATED AT STA. 1268+00±
(DECK STEEL NOT SHOWN FOR CLARITY)



DEFLECTION/EXPANSION AND 4" EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF 4" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

LEGEND

* EXPANSION FITTING REQUIREMENTS:
- 4" TOTAL MOVEMENT WITH BONDING JUMPER

** DEFLECTION/EXPANSION FITTING REQUIREMENTS:
- UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER.

POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.

NON METALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED)

SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2 - INCH".

2" DIA. RIGID METALLIC CONDUIT 3'-0" INTO PARAPET ON DECK.

CONTACT THE BUREAU OF STRUCTURES IF EXISTING CONDUIT EXPANSION FITTING CANNOT BE USED.

CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.

CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-132

DRAWN BY JLR | PLANS CK'D. TJN

PARAPET ELECTRICAL DETAILS

SHEET 22

594

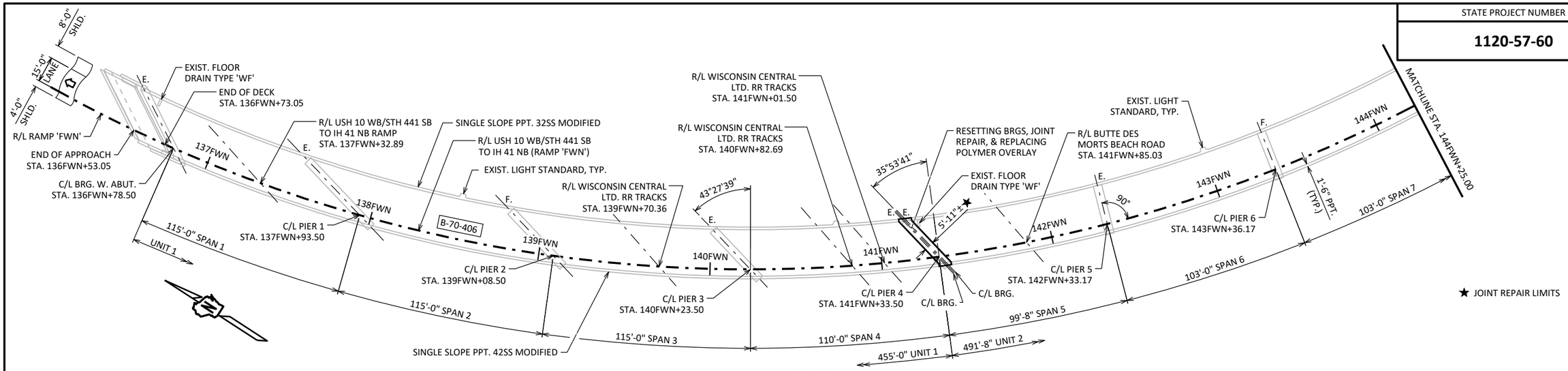
8

8

SCALE = 1.00

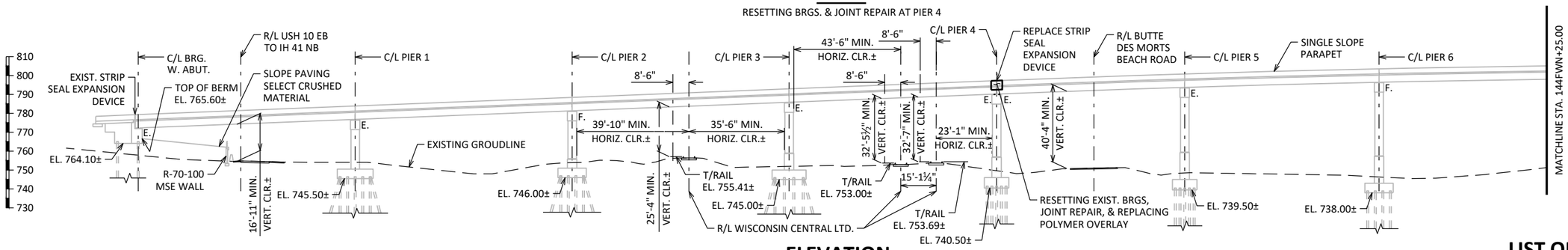
STATE PROJECT NUMBER

1120-57-60



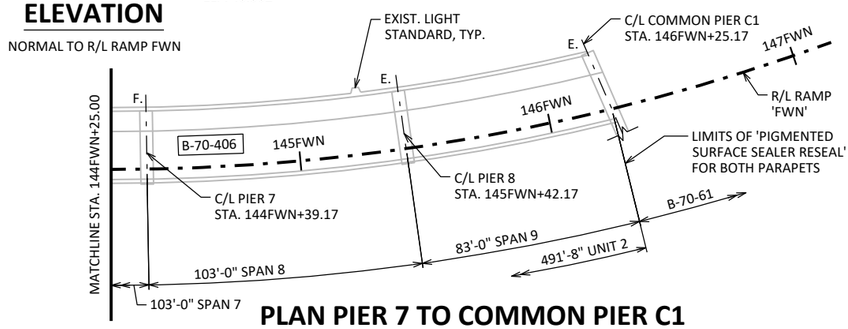
PLAN

RESETTING BRGS. & JOINT REPAIR AT PIER 4

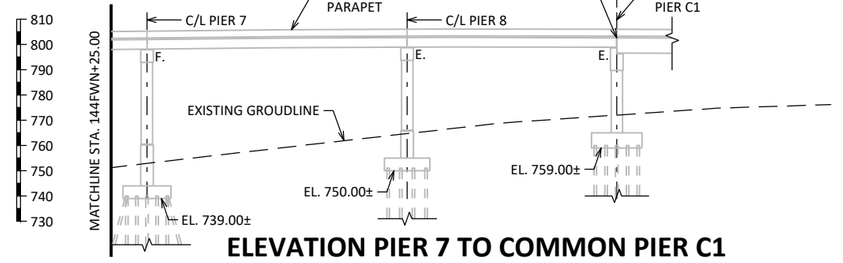


ELEVATION

NORMAL TO R/L RAMP FWN



PLAN PIER 7 TO COMMON PIER C1



ELEVATION PIER 7 TO COMMON PIER C1

NORMAL TO R/L RAMP FWN

LIST OF DRAWINGS:

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. PIER 4 BEARING REPLACEMENT LAYOUT
4. PRESTRESSED GIRDER STEEL BEARINGS
5. SUPERSTRUCTURE DETAILS 1
6. SUPERSTRUCTURE DETAILS 2
7. STRIP SEAL EXPANSION DEVICE
8. COVER PLATE DETAILS
9. AESTHETIC DETAILS

STRUCTURE DESIGN CONTACTS:

RYAN R. HARRIS (608) 266-2963

KYLE H. BUSCH (608) 267-0456

DESIGN DATA

LIVE LOAD (TAKEN FROM HSI 2/8/2016):

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.09
OPERATING RATING: RF = 1.46

WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE ——— f'_c = 4,000 PSI
ALL OTHER ——— f'_c = 4,000 PSI

BAR STEEL REINFORCEMENT, HIGH STRENGTH:
GRADE 60 ——— f_y = 60,000 PSI

TRAFFIC DATA

RAMP 'FWN':
ADT = 10,920 (2038)
BUTTE DES MORTS BEACH ROAD:
ADT = 1,100 (2019)

NOTES

DIMENSIONS SHOWN ARE ALONG R/L FWN.

SPAN LENGTHS SHOWN ARE MEASURED ALONG R/L FWN.

UTILITIES NOT SHOWN IN PLAN.

B-70-61 & B-70-401 NOT SHOWN IN PLAN.

ALL STATIONS, DIMENSIONS, AND ELEVATIONS ARE TAKEN FROM THE ORIGINAL PLANS.

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED KHR 8/11/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-70-406

USH 10 WB/STH 441 SB OVER USH 10 EB TO IH 41 NB RAMP

COUNTY	TOWN
WINNEBAGO	MENASHA

DESIGN SPEC.
REHABILITATION - N/A

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
RRH	AA	RRH	AA

GENERAL PLAN

SHEET 1 OF 9
595

SCALE = 60.0

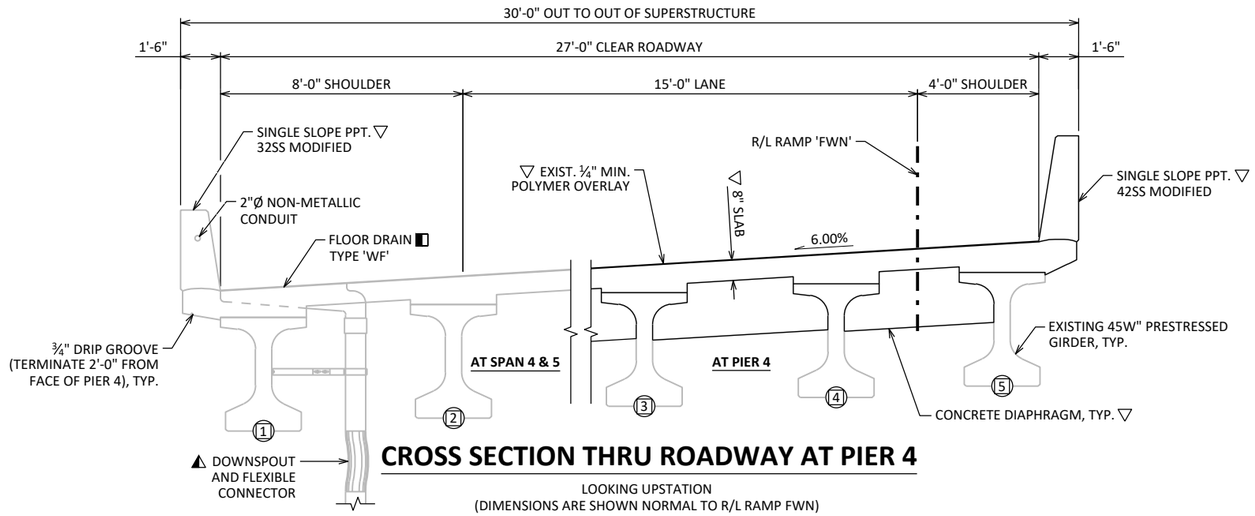
I.D. 1120-57-30 DATE: AUG. 2023

8

8

STATE PROJECT NUMBER

1120-57-60



CROSS SECTION THRU ROADWAY AT PIER 4

LOOKING UPSTATION
(DIMENSIONS ARE SHOWN NORMAL TO R/L RAMP FWN)

◐ APPLY TO PARAPETS OVER FULL LENGTH OF B-70-406 EXCEPT WITHIN JOINT REPAIR LIMITS AT PIER 4.

◭ DISASSEMBLE DOWNSPOUT AS DIRECTED BY THE ENGINEER PRIOR TO BRIDGE JACKING AND REPLACE AFTER 'RESET EXISTING BEARINGS' WORK IS COMPLETE. DOWNSPOUT WORK IS INCIDENTAL TO THE BID ITEM 'RESET EXISTING BEARINGS'.

◧ PRESERVE FLOOR DRAIN TYPE 'WF' AND DOWNSPOUT ASSEMBLY DURING CONSTRUCTION. REPLACEMENT OF FLOOR DRAIN TYPE 'WF' AND DOWNSPOUT ASSEMBLY IS INCIDENTAL TO THE BID ITEM 'JOINT REPAIR' IF REQUIRED. CONTACT DESIGN ENGINEER IF REPLACEMENT IS REQUIRED.

▽ TO BE REPLACED WITHIN JOINT REPAIR LIMITS AT PIER 4

(n) INDICATES GIRDER NUMBER

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	203.0330	DEBRIS CONTAINMENT B-70-406	EACH	1
	502.0100	CONCRETE MASONRY BRIDGES	CY	19
	502.3101	EXPANSION DEVICE	LF	34
◐	502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	867
	502.3210	PIGMENTED SURFACE SEALER	SY	7
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,160
◧	509.1000	JOINT REPAIR	SY	25
	509.5100.S	POLYMER OVERLAY	SY	18
	517.1010.S	CONCRETE STAINING B-70-406	SF	81
	517.1050.S	ARCHITECTURAL SURFACE TREATMENT B-70-406	SF	36
	652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	6
	SPV.0060	RESET EXISTING BEARINGS	EACH	10
		NON-BID ITEMS		
		FILLER	SIZE	1/2" , 3/4"
		BRIDGE SEAT PROTECTION	LS	1

GENERAL NOTES

PROPOSED WORK INCLUDES FIRSTLY RESETTING EXISTING EXPANSION ROCKER BEARINGS AT PIER 4 AND SECONDLY REPLACING EXPANSION JOINT AT PIER 4.

PROPOSED WORK ALSO INCLUDES PIGMENTED SURFACE SEALER RESEAL TO TOP AND ROADWAY FACE OF PARAPETS OUTSIDE OF JOINT REPAIR LIMITS AT PIER 4, FOR THE ENTIRE LENGTH OF BRIDGE B-70-406 INCLUDING PARAPETS ON WEST STRUCTURAL APPROACH SLAB. SURFACE PREPARATION IS INCLUDED IN BID ITEM "PIGMENTED SURFACE SEALER RESEAL."

RESET EXISTING EXPANSION ROCKER BEARINGS AT PIER 4 AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. WORK SHALL BE COVERED UNDER THE BID ITEM "RESET EXISTING BEARINGS." SEE THE "BEARING MODIFICATION TABLE" AND DETAILS ON SHEET 4.

BRIDGE JACKING, RESIZING THE ANCHOR BOLT HOLES, AND SHIFTING MASONRY PLATES AT SPAN 4 - PIER 4 SHALL BE INCIDENTAL TO THE BID ITEM "RESET EXISTING BEARINGS."

NEW PTFE ON NEW STEEL PLATE, NEW WASHERS, AND NEW HARDWARE SHALL BE PAID FOR IN THE 'EACH' BID PRICE BID AS "RESET EXISTING BEARINGS."

PRESERVATION OR REPLACEMENT OF "FLOOR DRAIN TYPE 'WF'" AT STA. 141FWN+24.00, OFFSET 23'-0" LT, SHALL BE INCIDENTAL TO THE BID ITEM "JOINT REPAIR."

PRESERVE 2" NON-METALLIC CONDUIT IN 32SS MODIFIED PPT.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A MIN. 1" DEEP SAW CUT UNLESS SHOWN OR SPECIFIED OTHERWISE.

VARIATIONS TO THE NEW GRADE LINE OVER ¼" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE BUREAU OF STRUCTURES SECTION FOR REVIEW.

B-70-406 TO BE FULLY CLOSED TO TRAFFIC FOR DURATION OF PROPOSED WORK. SEE TRAFFIC CONTROL PLANS FOR DETAILS.

FIELD ENGINEER TO VERIFY EXACT LOCATION AND QUANTITY OF JOINT REPAIR.

SALVAGE EXISTING REINFORCEMENT WHERE SHOWN AND EXTEND FULL LENGTH INTO NEW WORK.

PLACE TOP LAYER OF REINFORCING STEEL IN THE DECK SURFACE WITH 2½" CLEAR COVER TO TOP OF SLAB.

LAP SPLICE LENGTHS SHALL BE CLASS C UNLESS OTHERWISE SHOWN OR NOTED.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF PIERS BELOW EXPANSION DEVICES.

GENERAL NOTES CONT.

ALL WORK CONDUCTED WITHIN 15'-0" HORIZONTALLY OR 21'-6" VERTICALLY OF THE RAILROAD TRACKS MUST BE COORDINATED WITH WISCONSIN CENTRAL RAILROAD.

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF NEW CONCRETE AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE DIAPHRAGM WITHIN JOINT REPAIR LIMITS AT PIER 4.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE NEW PARAPETS WITHIN JOINT REPAIR LIMITS AT PIER 4.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE STABILITY OF B-70-406 DURING CONSTRUCTION IN ACCORDANCE WITH 108.7.3 OF THE 2023 STANDARD SPECIFICATIONS.

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS REQUIRED FOR REPLACEMENT OF POLYMER OVERLAY WITHIN JOINT REPAIR LIMITS AT PIER 4 ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY."

CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE TOP FLANGE OF GIRDER AND SHEAR STIRRUPS. SAWCUTTING OF THE EXISTING SHEAR STIRRUPS IS NOT ALLOWED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

CROSS SECTION & QUANTITIES

SHEET 2
596

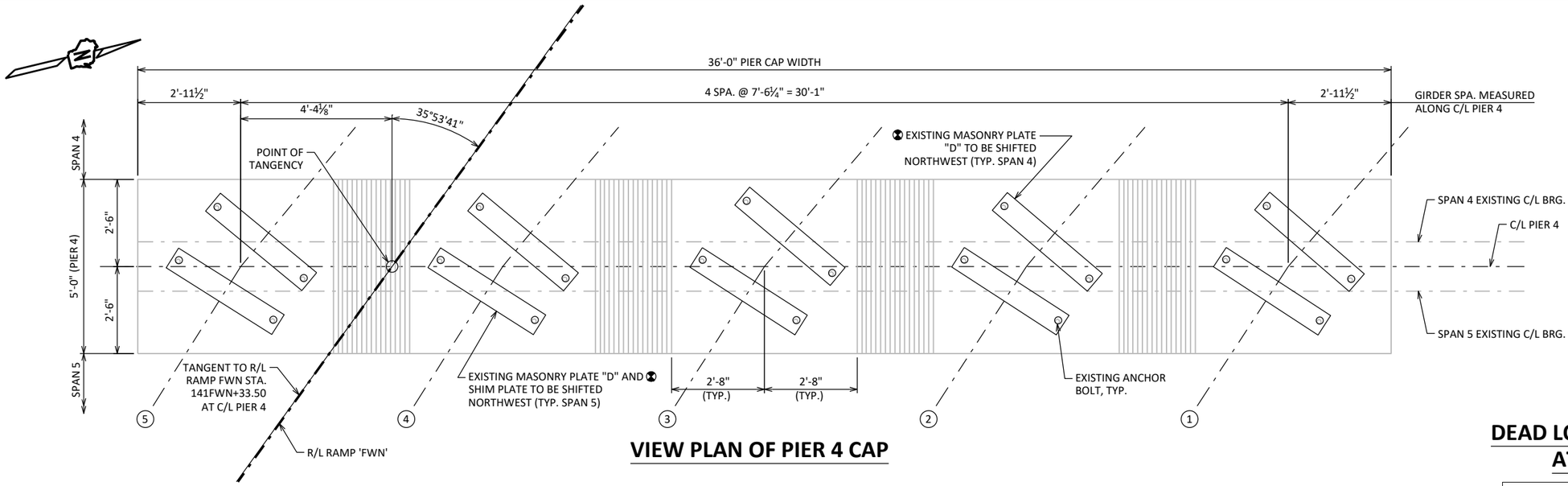
SCALE = 60.0

8

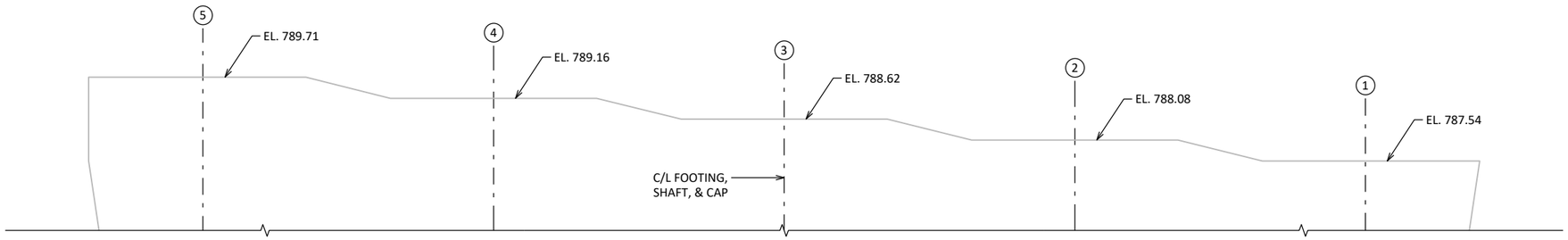
8

STATE PROJECT NUMBER

1120-57-60



VIEW PLAN OF PIER 4 CAP



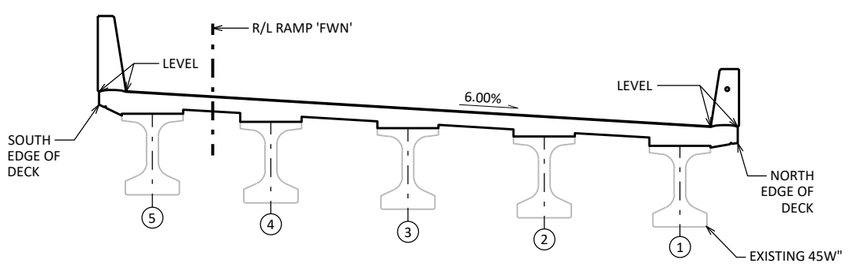
PIER 4 CAP ELEVATION

(LOOKING WEST)

LOCATION	C/L PIER 4
LT E.O.D.	792.54
GIRDER 1	792.8
GIRDER 2	793.34
GIRDER 3	793.88
GIRDER 4	794.42
GIRDER 5	794.96
RT E.O.D.	795.04

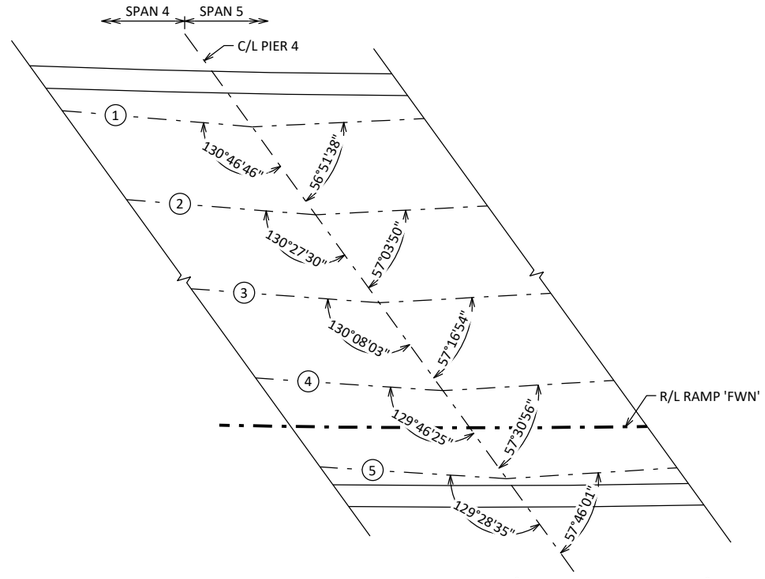
TOP OF DECK ELEVATIONS

(ELEVATIONS ARE TAKEN FROM ORIGINAL PLAN)



HORIZONTAL LOCATIONS KEY

(LOOKING WEST)



ANGLES BETWEEN C/L GIRDERS & C/L PIER 4

DEAD LOAD GIRDER REACTIONS AT BEARINGS (KIPS)

		C/L BRG. PIER 4 - SPAN 4	C/L BRG. PIER 4 - SPAN 5
INTERIOR GIRDER	DL	105	105
EXTERIOR GIRDER	DL	105	105

NOTES

THE THEORETICAL SERVICE LOADS (UNFACTORED) SHOWN IN THE TABLE ARE BASED ON THE BRIDGE IN ITS FINAL CONFIGURATION. ADDITIONAL LOAD RESULTING FROM STAGING AND/OR CONTRACTOR OPERATIONS, SUCH AS UNEVEN JACKING OF ADJACENT GIRDERS, IS NOT INCLUDED.

EXTERIOR GIRDER DEAD LOAD REACTIONS WERE INCREASED 10% TO ACCOUNT FOR VARIABILITY IN COMPOSITE DL DISTRIBUTION METHODS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ADEQUACY OF THE GIRDER AT THE JACKING LOCATION.

PRESERVE EXISTING FLOOR DRAIN TYPE 'WF,' PIPE, PIPE SUPPORT BRACKET, FLEXIBLE CONNECTOR, & PIPE FASTENERS AT NE CORNER OF PIER 4.

SHIFTING MASONRY PLATES AND REPLACEMENT OF PTFE AND STEEL PLATES AT SPANS 4 & 5 SHALL BE COMPLETED AS SHOWN ON SHEET 4 AND IN ACCORDANCE WITH SPECIAL PROVISION SPV.0060 'RESET EXISTING BEARINGS'.

LEGEND

- ◯ INDICATES GIRDER NUMBER
- ⊠ SEE BEARING MODIFICATION TABLE ON "PRESTRESSED GIRDER STEEL BEARINGS" SHEET FOR DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

PIER 4 BEARING REPLACEMENT LAYOUT

SHEET 3
597

SCALE = 3.50

8

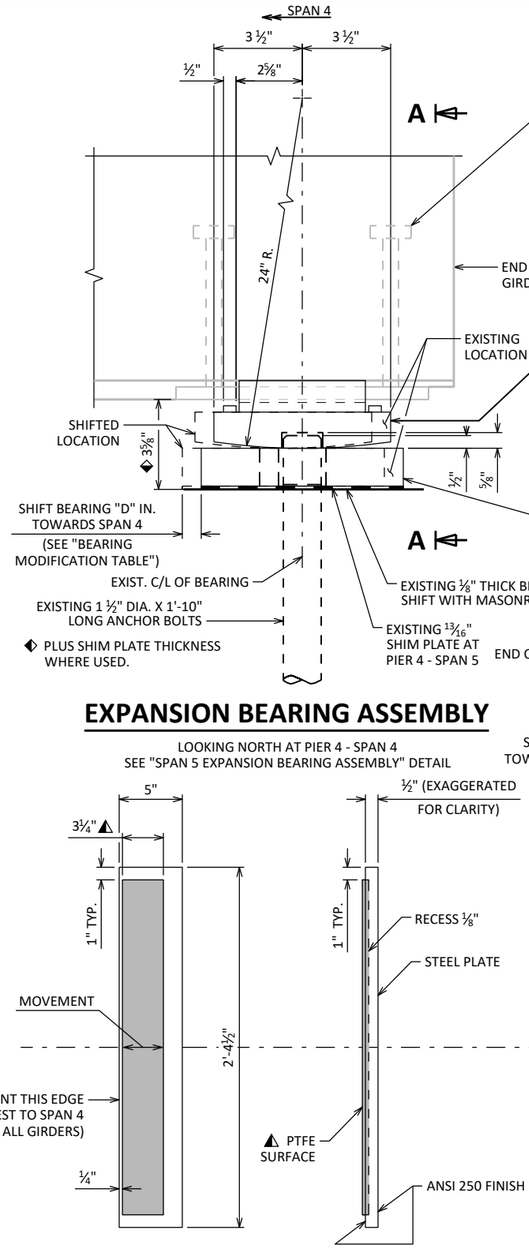
8

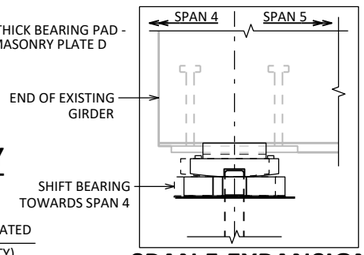
STATE PROJECT NUMBER

1120-57-60

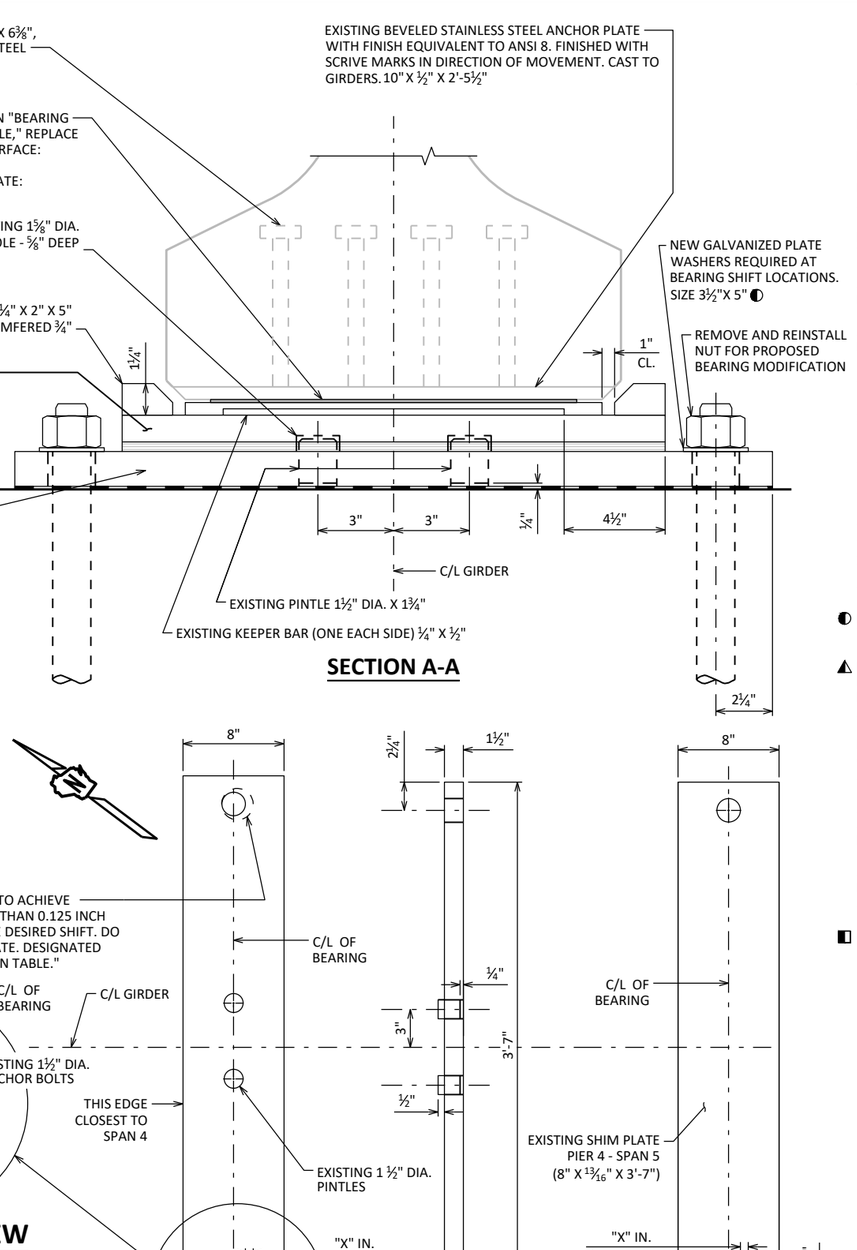
EXPANSION BEARING ASSEMBLY

LOOKING NORTH AT PIER 4 - SPAN 4
SEE "SPAN 5 EXPANSION BEARING ASSEMBLY" DETAIL





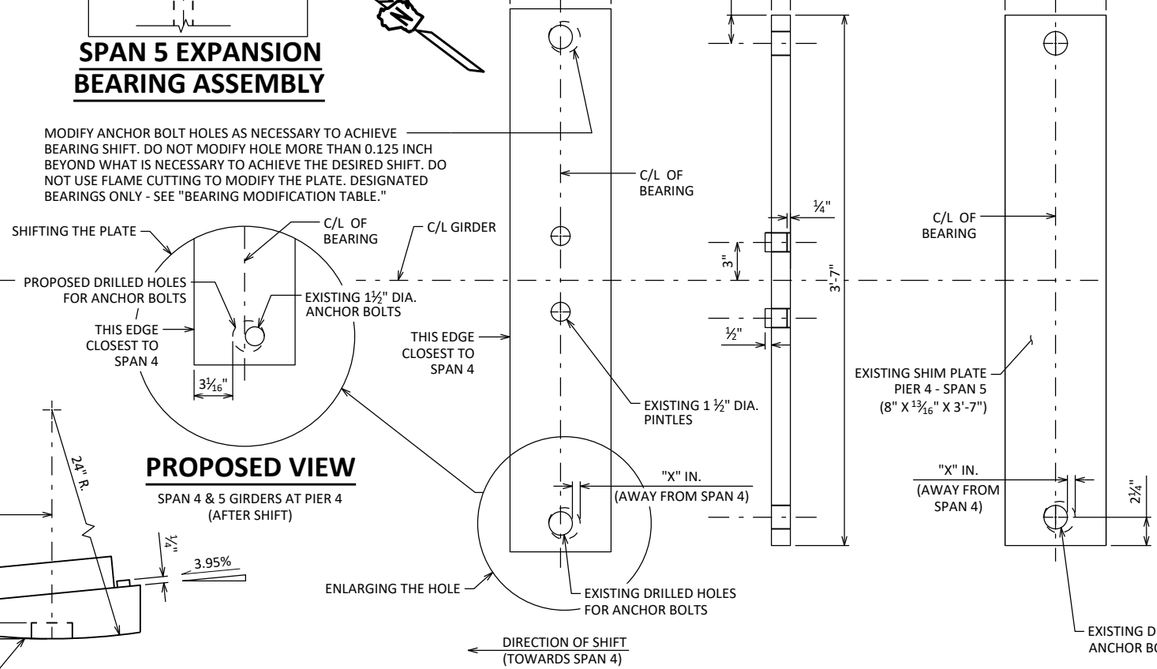
SPAN 5 EXPANSION BEARING ASSEMBLY



SECTION A-A

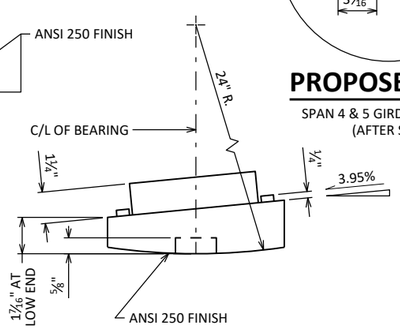
NEW PTFE ON NEW STEEL PLATE

SEE "BEARING MODIFICATION TABLE" FOR APPLICABILITY



PROPOSED VIEW

SPAN 4 & 5 GIRDERS AT PIER 4
(AFTER SHIFT)



EXISTING EXPANSION BEARING

(LOOKING NORTH)

MASONRY PLATE "D"

SPAN 4 & 5 - GIRDER 1 THRU 5 - AT PIER 4
SEE "BEARING MODIFICATION TABLE" FOR DETAILS

EXISTING SHIM PLATE

SPAN 5 - GIRDER 1 THRU 5 - AT PIER 4 ◆
SEE "BEARING MODIFICATION TABLE" FOR DETAILS
SHIM PLATE SHALL BE SHIFTED SAME "X" DISTANCE AS MASONRY PLATE

BEARING NOTES

THE GENERAL ORDER OF WORK IS AS FOLLOWS: MODIFY MASONRY PLATE "D" ANCHOR BOLT HOLES FOR THE BEARINGS WHICH WILL BE SHIFTED, JACK BRIDGE SUPERSTRUCTURE, REPLACE THE PTFE SURFACE AND STEEL PLATE PER THE "BEARING MODIFICATION TABLE", AND SHIFT THE EXISTING ROCKER PLATE AND MASONRY PLATE "D" AT EACH BEARING.

MARK LOCATION OF MASONRY PLATES PRIOR TO SHIFTING TO ALLOW VERIFICATION THAT CORRECT SHIFT AMOUNT IS ACHIEVED.

BRIDGE JACKING HEIGHT LIMITED TO ¾". RAISE THE ENTIRE BRIDGE WIDTH AT THE SAME TIME AND TO THE SAME HEIGHT ACROSS THE WIDTH OF THE STRUCTURE.

SUBMIT TO THE ENGINEER FOR APPROVAL THE PROPOSED BRIDGE JACKING PLAN AND MASONRY PLATE HOLE MODIFICATION PLAN.

AFTER MODIFICATION OF THE MASONRY PLATE ANCHOR ROD HOLES, SPRAY GALVANIZE THE NEWLY EXPOSED STEEL SURFACES.

STEEL PLATES SHALL CONFORM TO ASTM A709 GRADE 50W.

STEEL PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

STEEL PLATES SHALL BE SHOP PAINTED WITH ONE COAT OR ORGANIC ZINC-RICH PRIMER AND ONE SHOP COAT OF HIGH-BUILD GRAY EPOXY PAINT CONFORMING WITH SECTION 517.2.4 OF THE STANDARD SPECIFICATIONS. THOROUGHLY DEGREASE AND BLAST CLEAN PLATES IN ACCORDANCE WITH SSPC-SP6 PRIOR TO PAINTING AND BONDING WITH PTFE SHEET. DO NO PAINT RECESSED STEEL SURFACES TO BE BONDED WITH PTFE SHEET.

◐ NEW 3½"X 5" PLATE WASHERS SHALL BE 3/16" THICK WITH 1⅝" DIA. HOLE IN CENTER OF PLATE WASHER. GALVANIZE PER ASTM A153, CLASS "C".

▲ PTFE SURFACE, USE CONFINED, UNFILLED WITH ¼" THICKNESS. PLACE WITH SCRIVE MARKS IN DIRECTION OF MOVEMENT. BOND STEEL PLATE AND PTFE WITH ADHESIVE MATERIAL MEETING THE REQUIREMENTS FOUND IN THE STANDARD SPECIFICATIONS. APPLY ADHESIVE TO ALL STEEL SURFACES IN CONTACT WITH PTFE.

BOND THE PTFE SHEET INTO A SQUARE-EDGED RECESS IN THE STEEL PLATE AT A DEPTH EQUAL TO ONE-HALF THE PTFE SHEET THICKNESS. MAKE THE SHOULDERS OF THE RECESSES SHARP AND SQUARE. PROVIDE SMOOTH PTFE SURFACES FREE FROM BLISTERS AND BUBBLES.

AT INSTALLATION, ENSURE STAINLESS STEEL SLIDING FACE OF THE UPPER ELEMENT AND THE PTFE SLIDING FACE OF THE LOWER ELEMENT HAVE THE SURFACE FINISH SPECIFIED AND ARE CLEAN AND FREE OF ALL DUST, MOISTURE, AND ANY OTHER FOREIGN MATTER.

ALL OTHER MATERIAL AND CONSTRUCTION REQUIREMENTS FOR THE STEEL BEARING PLATE AND PTFE SURFACE NOT SPECIFICALLY STATED ABOVE SHALL CONFORM TO 506.2.8.3 OF THE STANDARD SPECIFICATION.

◧ ORIENT "NEW PTFE ON NEW STEEL PLATE" WITH ¼" STEEL EDGE CLOSEST TO SPAN 4.

BEARING MODIFICATION TABLE

PIER 4 - SPAN 4	G1	G2	G3	G4	G5
ENLARGE HOLE DIA. "X" IN. =	13/16"	9/16"	13/16"	7/16"	7/16"
SHIFT BRG. "D" IN. =	1"	¾"	1"	⅝"	⅝"
SHIFT DIRECTION	NW	NW	NW	NW	NW
NEW PTFE ON NEW STEEL PLATE	Y	Y	Y	Y	Y

PIER 4 - SPAN 5	G1	G2	G3	G4	G5
ENLARGE HOLE DIA. "X" IN. =	9/16"	13/16"	9/16"	13/16"	5/16"
SHIFT BRG. "D" IN. =	¾"	1"	¾"	1"	½"
SHIFT DIRECTION	NW	NW	NW	NW	NW
NEW PTFE ON NEW STEEL PLATE	N	N	N	N	Y

GIRDERS ARE NUMBERED NORTH TO SOUTH WITH GIRDER 1 BEING THE NORTHMOST GIRDER.
NW = NORTHWEST (±). SHIFT ALONG C/L OF GIRDER.
Y = YES
N = NO

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

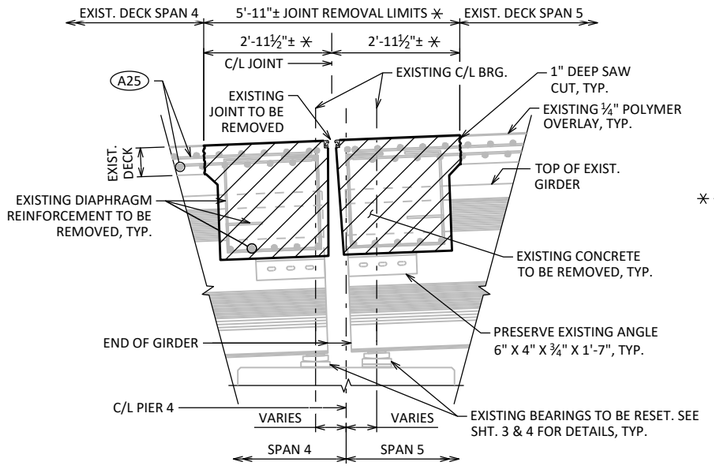
PRESTRESSED GIRDER STEEL BEARINGS

SHEET 4
598

SCALE = 2.00

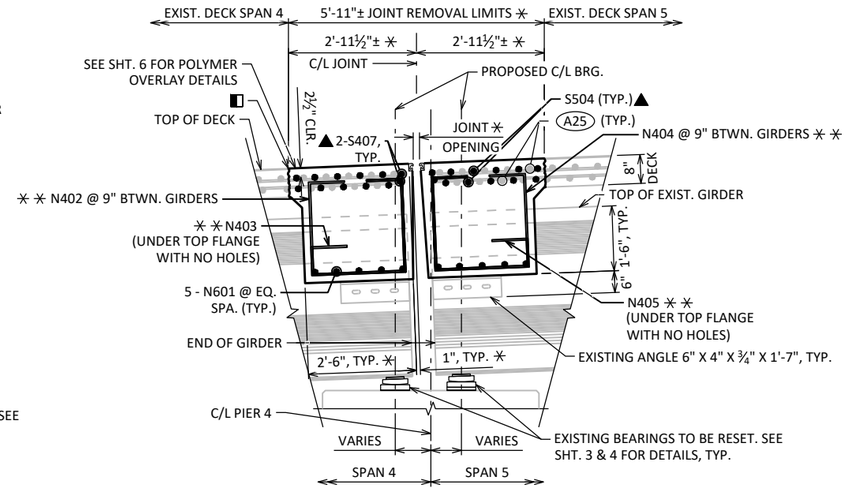
8

8



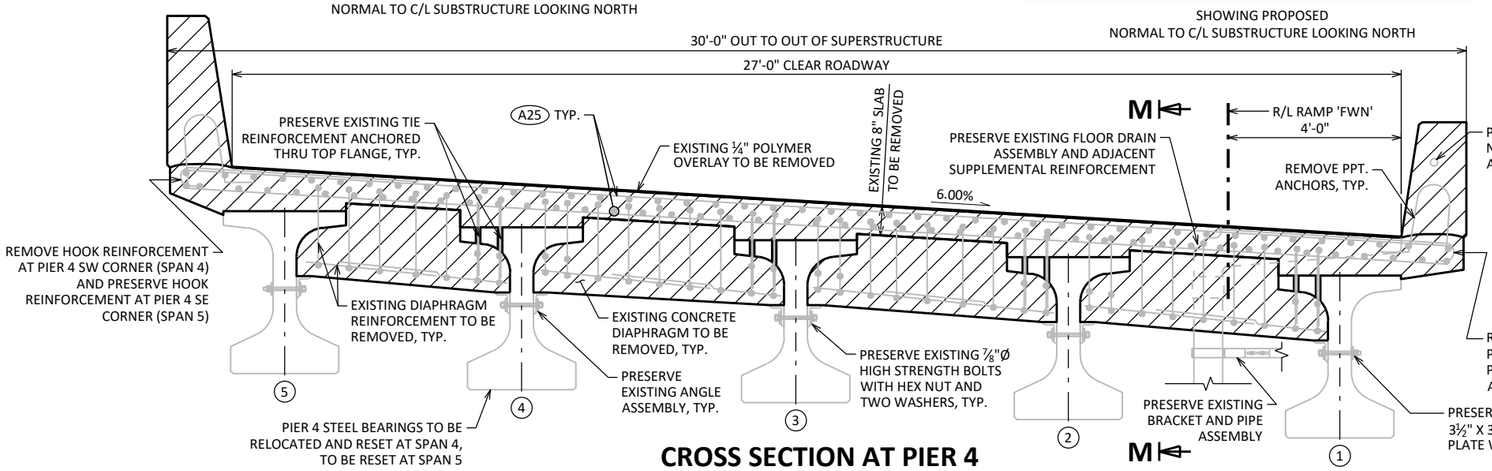
SECTION M-M REMOVAL AT PIER 4

SHOWING REMOVAL
NORMAL TO C/L SUBSTRUCTURE LOOKING NORTH

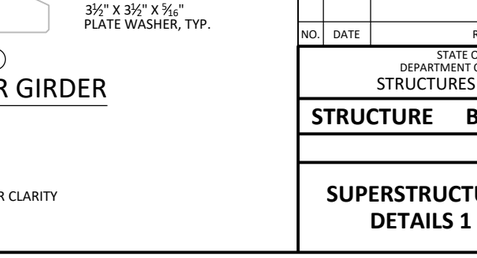


SECTION B-B JOINT REPAIR AT PIER 4

SHOWING PROPOSED
NORMAL TO C/L SUBSTRUCTURE LOOKING NORTH

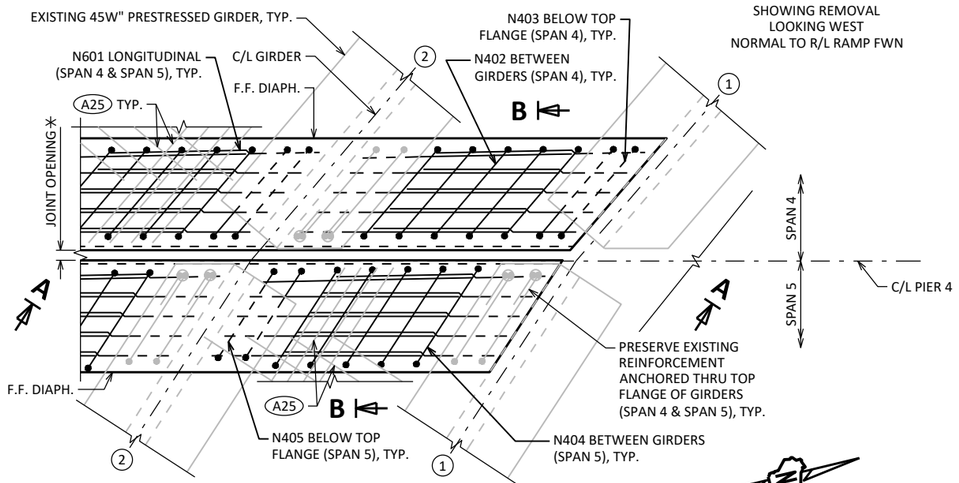


CROSS SECTION AT PIER 4



DETAIL B

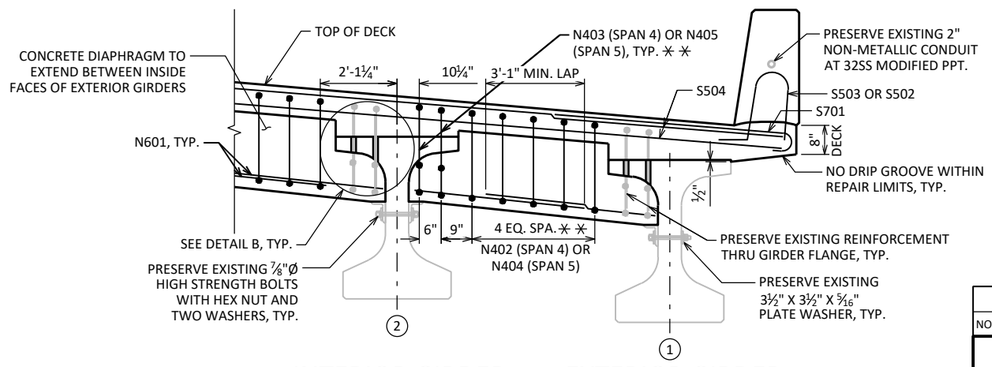
ADJACENT REINFORCEMENT NOT SHOWN FOR CLARITY



DIAPHRAGM PLAN AT PIER 4

SHOWING PROPOSED
ALL DECK REINFORCEMENT NOT SHOWN FOR CLARITY

SHOWING REMOVAL
LOOKING WEST
NORMAL TO R/L RAMP FWN



INTERIOR GIRDER EXTERIOR GIRDER

SECTION A-A AT PIER 4

SHOWING PROPOSED
LONGITUDINAL DECK REINFORCEMENT NOT SHOWN FOR CLARITY
LOOKING WEST

NOTE: SEE "COVER PLATE DETAILS" SHEET AND INCORPORATE INTO JOINT REPAIR WORK.

⚹ DIMENSION IS TAKEN NORMAL TO C/L SUBSTRUCTURE UNITS.

⚹⚹ BARS PLACED PARALLEL TO GIRDER. SPACING PERPENDICULAR TO C/L GIRDER.

(A25) SAVE AND INCORPORATE 1'-6" MIN. OF EXIST. TRANSVERSE REINFORCING BARS AND FULL LENGTH OF EXIST. LONGITUDINAL BARS INTO NEW WORK. EXCEPT AT THE CORNERS. REFER TO SHEET 6 FOR DETAILS AT THE CORNERS.

▲ NEW TRANSVERSE BARS SHALL BE PLACED PARALLEL TO THE C/L OF SUBSTRUCTURE.

REMOVAL LIMITS. EXISTING SHEAR STIRRUPS TO BE PRESERVED.

ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING CONCRETE.

◯ INDICATES GIRDER NUMBER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

SUPERSTRUCTURE DETAILS 1

SHEET 5
599

STATE PROJECT NUMBER
1120-57-60

8

8

SCALE = 3.50

STATE PROJECT NUMBER

1120-57-60

◐ CONST. JOINT - STRIKE OFF AS SHOWN.

▲ AT THE PIER 4 NW AND SE CORNERS, PRESERVE FULL LENGTH OF EXISTING TRANSVERSE OVERHANG REINFORCEMENT WHICH ANCHORS BEYOND LIMITS OF REMOVAL AND EXTENDS TO BELOW THE BARRIERS. THIS REINFORCEMENT IS REFERENCED IN THE 2018 ASBUILTS AS 'S401' AND 'S502'.

◧ ROUGHEN SURFACE OF CONCRETE ¼" DEEP MIN. AT ALL AREAS WHERE NEW CONCRETE CONTACTS EXISTING DECK CONCRETE.

(A25) SAVE AND INCORPORATE 1'-6" MIN. OF EXIST. TRANSVERSE REINFORCING BARS AND FULL LENGTH OF EXIST. LONGITUDINAL BARS INTO NEW WORK. EXCEPT AT THE CORNERS. REFER TO SHEET 6 FOR DETAILS AT THE CORNERS.

⚹ DIMENSION IS TAKEN NORMAL TO C/L SUBSTRUCTURE UNITS.

☆ ¼" MIN. REMOVAL OF EXIST. DECK AT END OF TRANSITION

BILL OF BARS

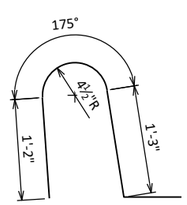
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
S701	X	13	6'-10"	X		TOP OUTSIDE EDGE BOTH SIDES - TRANS.
S502	X	4	3'-8"	X		PARAPET TIES AT ACUTE CORNERS - VERT.
S503	X	20	4'-5"	X		PARAPET TIES - VERT.
S504	X	20	36'-8"			TOP & BOTTOM - SPANS 4 & 5 AT PIER 4 - TRANS.
S505	X	12	5'-0"	X		PPT. 32SS SINGLE SLOPE MODIFIED - VERT.
S506	X	12	6'-8"	X		PPT. 42SS SINGLE SLOPE MODIFIED - VERT.
S407	X	16	8'-0"			DECK BTWM. GIRDERS AT EXP. JT. - TRANS.
N601	X	80	4'-10"			DIAPH. PIER 4 - HORIZ. BOTTOM BTWN. GIRDERS
N402	X	20	8'-0"	X		DIAPH. PIER 4 SPAN 4 - VERT. BTWN. GIRDERS
N403	X	8	6'-8"	X		DIAPH. PIER 4 SPAN 4 - VERT. UNDER TOP FLANGES
N404	X	20	7'-9"	X		DIAPH. PIER 4 SPAN 5 - VERT. BTWN. GIRDERS
N405	X	8	6'-5"	X		DIAPH. PIER 4 SPAN 5 - VERT. UNDER TOP FLANGES

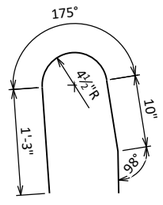
NOTES

PRESERVE EXISTING FLOOR DRAIN ASSEMBLY AND ADJACENT SUPPLEMENTAL REINFORCEMENT AT NE ACUTE CORNER IN SPAN 5.

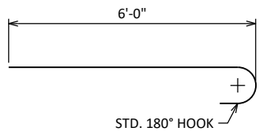
THE CONTRACTOR SHALL ADEQUATELY BRACE THE DECK OVERHANG AT ACUTE CORNERS PRIOR TO REMOVING THE EXISTING JOINT AND DIAPHRAGMS.



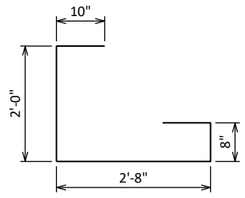
S503



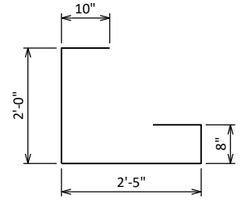
S502



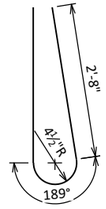
S701



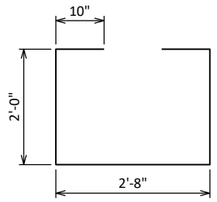
N403



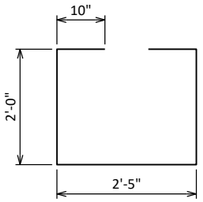
N405



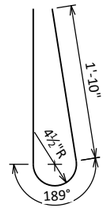
S506



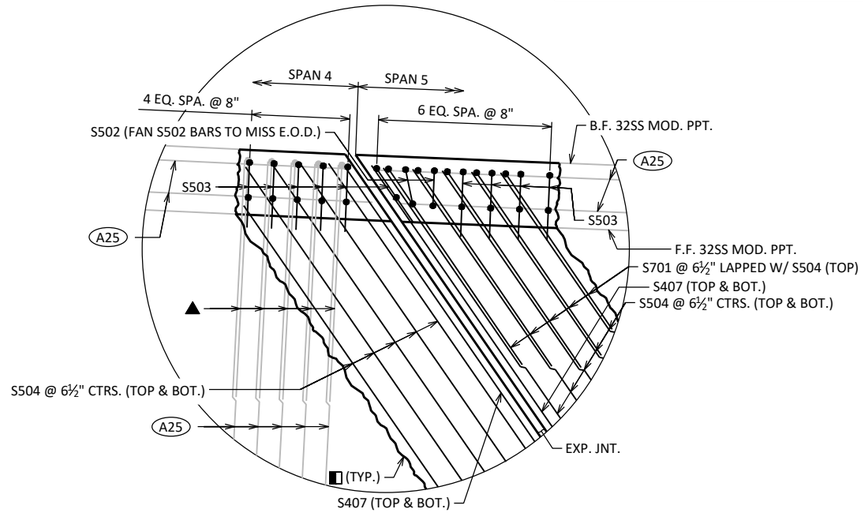
N402



N404

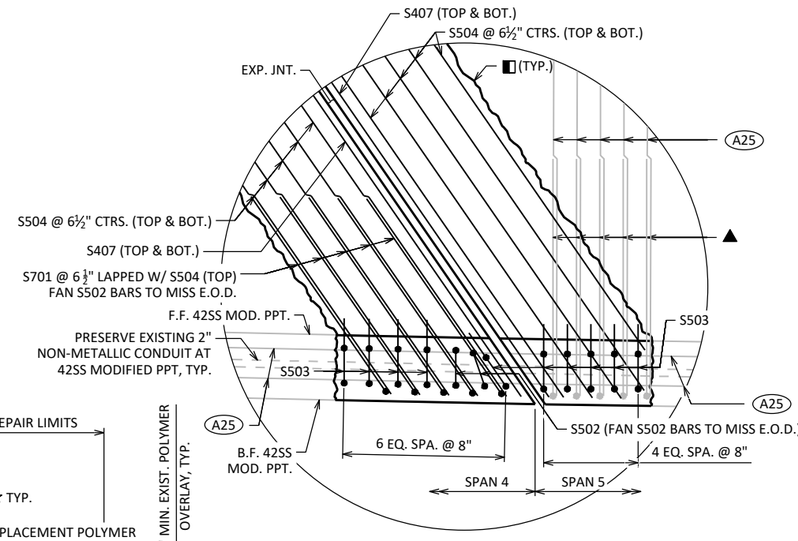


S505



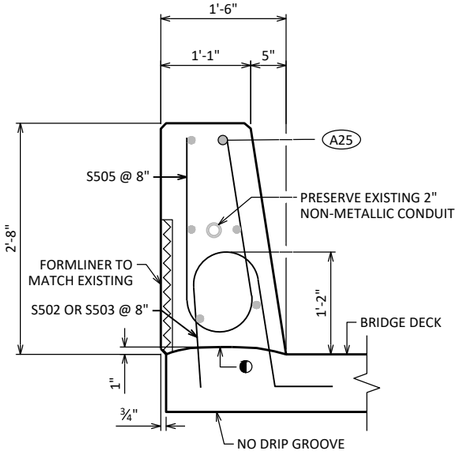
NORTH CORNER DETAIL AT PIER 4

EXIST. REINFORCEMENT BEYOND LIMITS OF REPAIR
NOT SHOWN FOR CLARITY

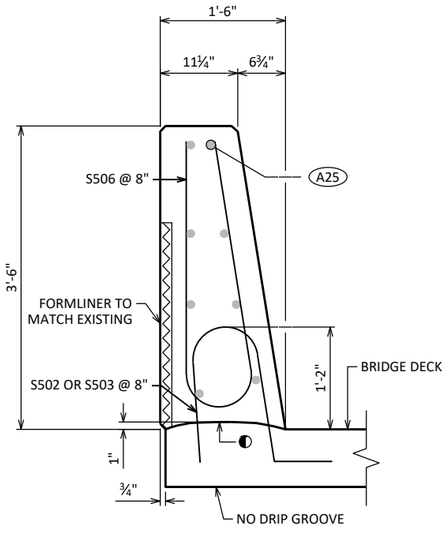


SOUTH CORNER DETAIL AT PIER 4

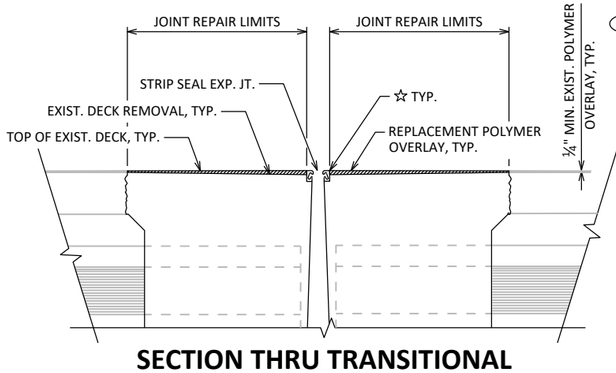
EXIST. REINFORCEMENT BEYOND LIMITS OF REPAIR
NOT SHOWN FOR CLARITY



SINGLE SLOPE PPT. 32SS MODIFIED SECTION ON BRIDGE



SINGLE SLOPE PPT. 42SS MODIFIED SECTION ON BRIDGE



SECTION THRU TRANSITIONAL AREA ON DECK AT PIER 4 EXPANSION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

SUPERSTRUCTURE DETAILS 2

SHEET 6
600

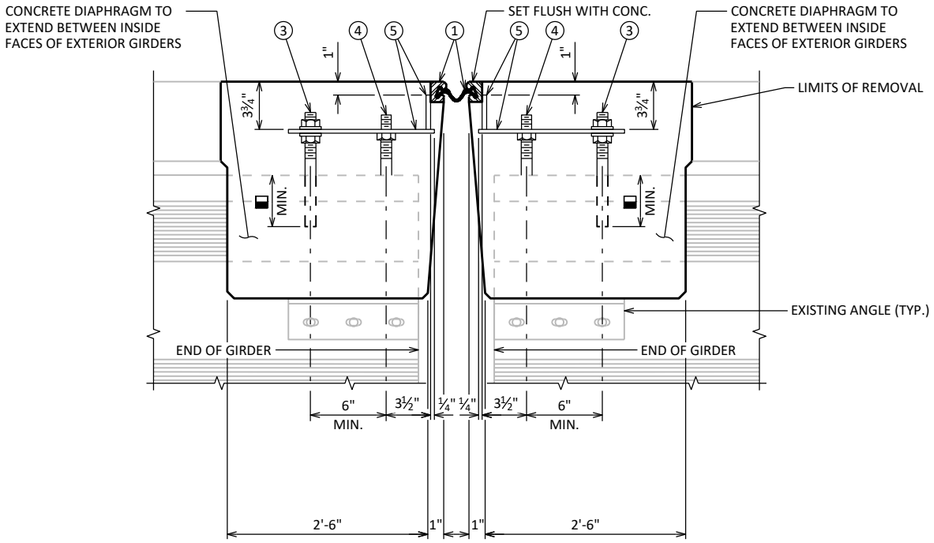
SCALE = VARIES

8

8

STATE PROJECT NUMBER

1120-57-60



SECTION THRU JOINT AT PIER 4

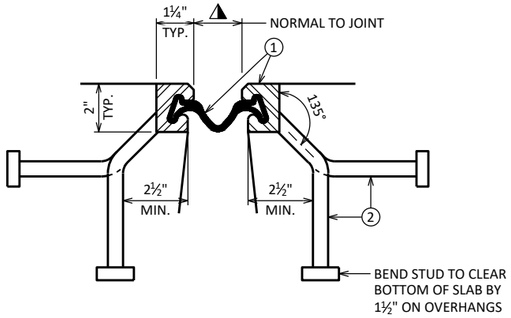
NORMAL TO C/L SUBSTRUCTURE

LEGEND

1. NEOPRENE STRIP SEAL (5 - INCH) AND STEEL EXTRUSIONS. SEE TEMPERATURE TABLE BELOW. JT. OPENINGS GIVEN NORMAL TO JOINT.
2. STUDS ⅝" DIA. X 6¾" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
2A. ½" THICK ANCHOR PLATE WITH ⅝" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.
3. ¾" DIA. THREADED ROD WITH 2 NUTS AND PLATE WASHERS. GROUT THREADED ROD INTO FIELD DRILLED HOLES ON C/L OF GIRDER.
4. ¾" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.
5. FABRICATE SUPPORT FROM 3" X ½" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1½" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.
6. GALVANIZED PLATE ⅜" X 10" X 2'-2" LONG WITH HOLES FOR NO.7.
7. ¾" DIA. X 1½" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.
8. ¾" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. ¾" DIA. X 2¼" GALVANIZED THREADED COUPLING.
11. 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

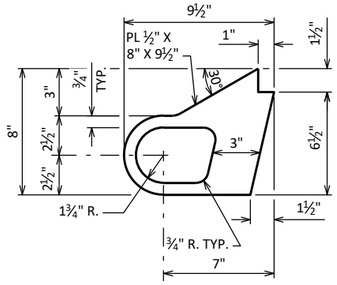
⚹ 2'-11" MIN. LAP FOR HORIZ. S407 BARS

◧ 4" MIN. EMBEDMENT



SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS

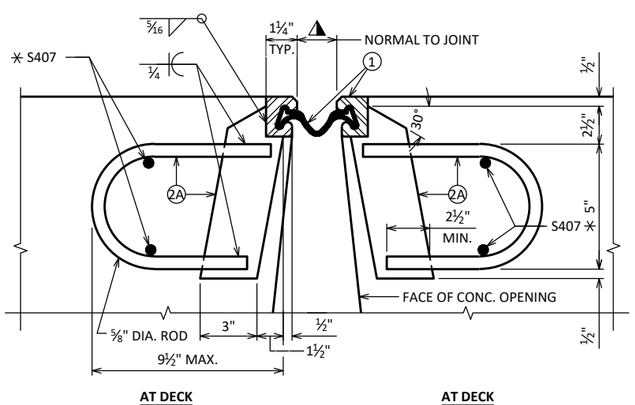


ALTERNATE STRIP SEAL ANCHOR

▲ TEMPERATURE TABLE

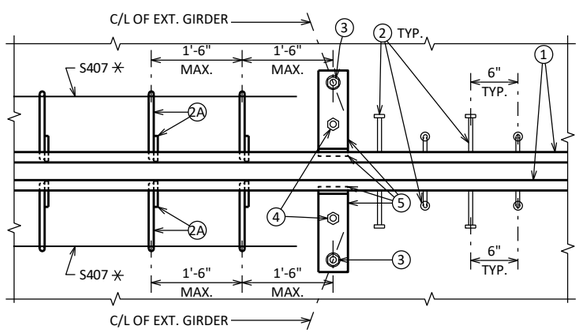
SHADED UNDERSIDE DECK TEMP. (°F)	JOINT OPENING (NORMAL TO JT.)
85°	1.000
75°	1.305
65°	1.610
55°	1.914
45°	2.219
35°	2.524
25°	2.828
15°	3.133
5°	3.437

A SMALL JOINT OPENING DUE TO A HIGH TEMPERATURE AT TIME OF CONSTRUCTION MAY REQUIRE NEOPRENE STRIP SEAL INSTALLATION INTO STEEL EXTRUSIONS PRIOR TO SETTING THE EXPANSION JOINT.



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS



PART PLAN

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE 502.3101".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

STRIP SEAL EXPANSION DEVICE

SHEET 7
601

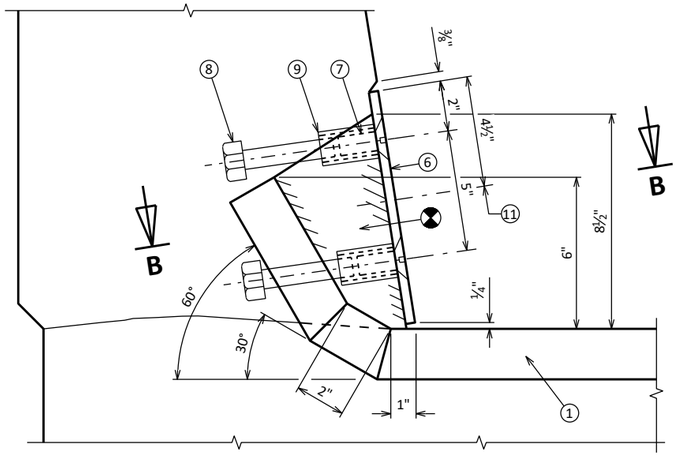
SCALE = 2.00

8

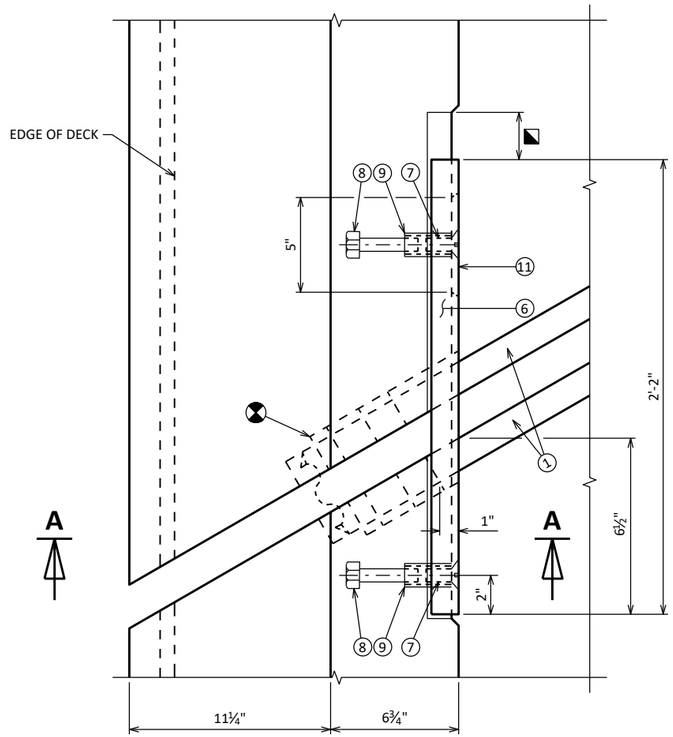
8

STATE PROJECT NUMBER

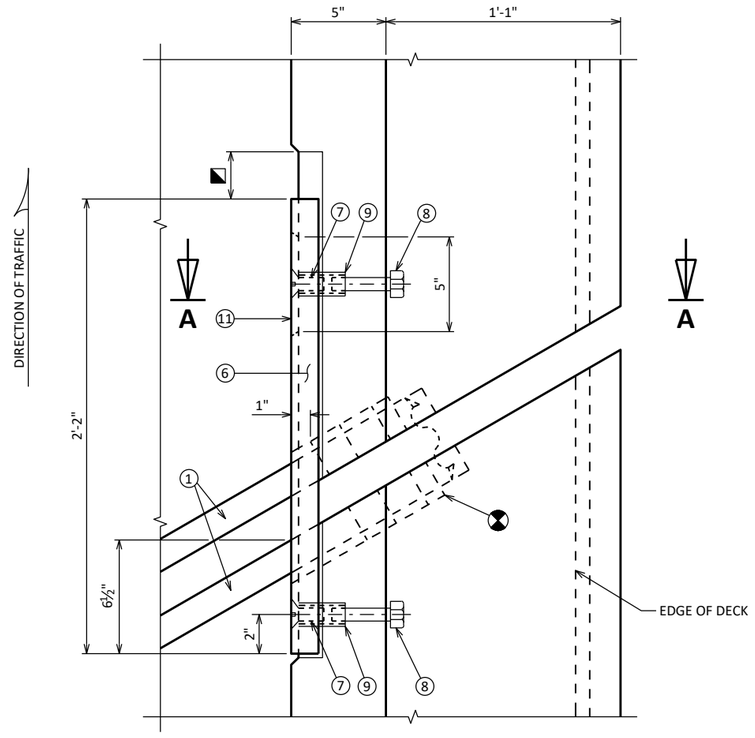
1120-57-60



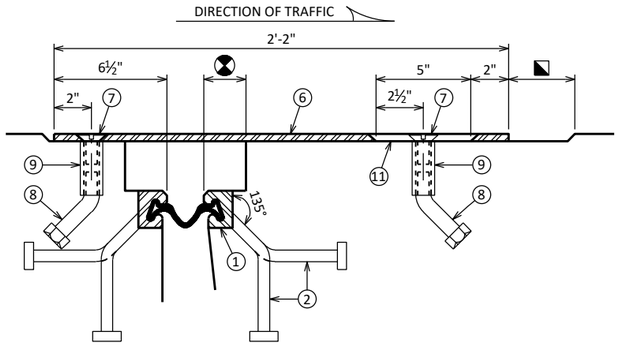
SECTION A-A



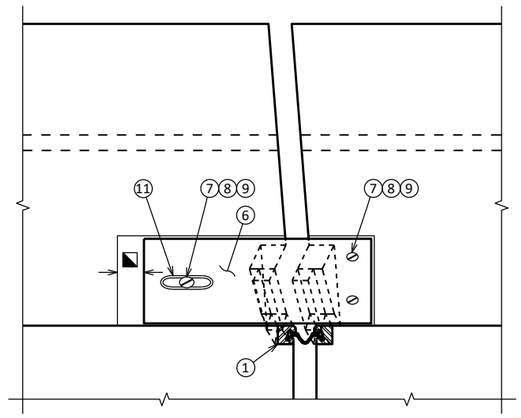
PLAN AT 42SS MODIFIED PPT.



PLAN AT 32SS MODIFIED PPT.



SECTION B-B



VIEW OF PARAPET PLATE FROM ROADWAY

LOOKING AT F.F. OF 32SS MODIFIED PPT.
42SS MODIFIED PPT. SIMILAR

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

JOINT OPENING DIMENSION ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY	RRH	PLANS CK'D	AA

COVER PLATE DETAILS

SHEET 8
602

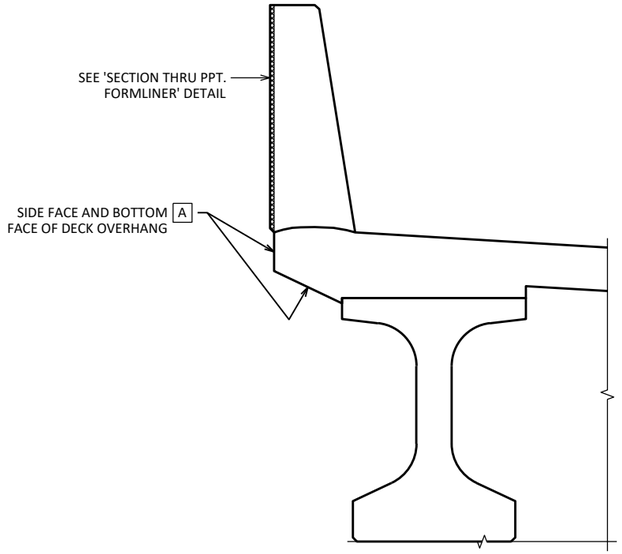
SCALE = 2.00

8

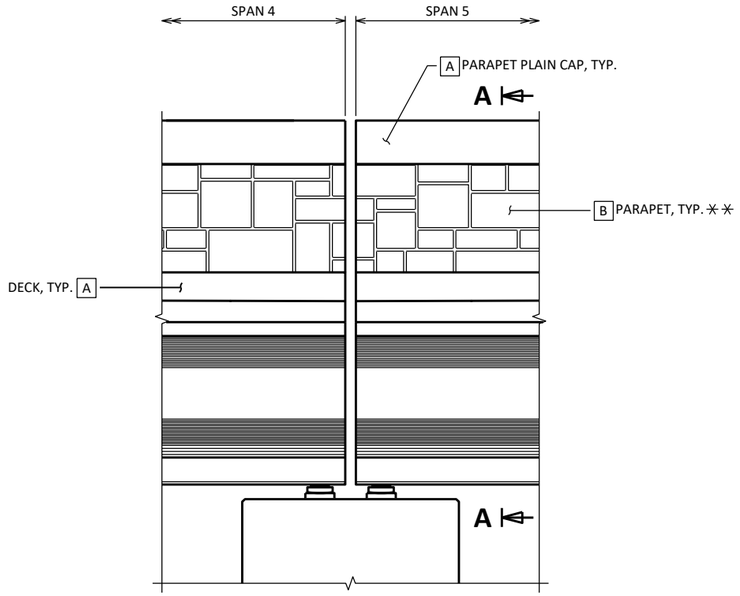
8

STATE PROJECT NUMBER

1120-57-60



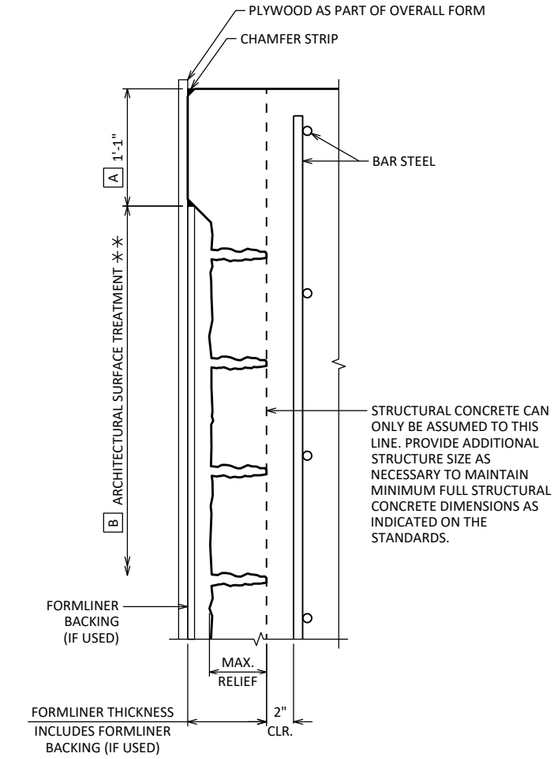
SECTION A-A



PIER 4 STAINING DETAIL

B.F. PPT. 4SS SHOWN, PPT. 32SS SIMILAR

⚹⚹ PATTERN SHOWN HERE IS A SCHEMATIC. CONTRACTOR SHALL REPLACE FORMLINER PATTERN TO MATCH EXISTING WITHIN REPLACEMENT LIMITS.



SECTION THRU PPT. FORMLINER

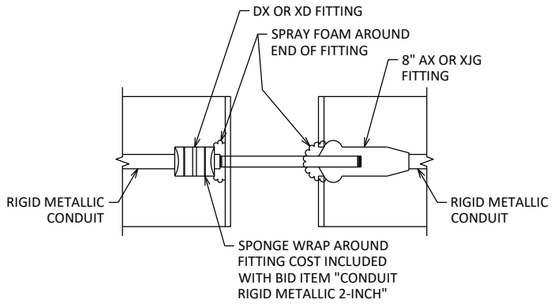
FROM ORIGINAL PLAN 2018

CONCRETE STAINING SCHEDULE

MARK	COLOR	FED. COLOR NO.	LOCATION
A	HOPSACK	SW 6109	DECK EDGE AND PARAPET
B	LATTE	FED. 33522	PARAPETS

NOTE: 1. FINISH ON COLORS IS FLAT (LUSTERLESS)

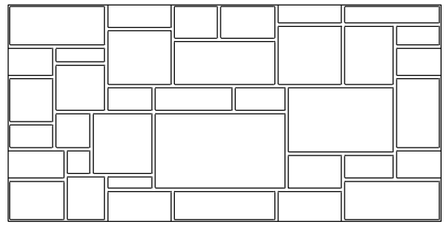
FROM ORIGINAL PLAN 2018



ELECTRIC FITTING - AX/DX CONNECTION

PARAPET STRIP SEAL BRIDGE JOINT - PIER 4
FROM ORIGINAL PLAN 2018

THIS ARRANGEMENT ACCOMMODATES UP TO 8¾" OF TOTAL MOVEMENT AT A JOINT. POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.



ASHLAR

MAXIMUM RELIEF:	1⅝"
AVERAGE RELIEF:	1¼"
LINER THICKNESS ⚹:	2½"
STONE SIZE:	H: 3" - 17"
	W: 5" - 29"

⚹ INCLUDES INTERNAL PLYWOOD BACKING

FROM ORIGINAL PLAN 2018

NOTES

THE FORMLINER PATTERN SHALL BE CONTINUOUS ACROSS CONSTRUCTION JOINTS.

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

DETAILS APPLICABLE WITHIN JOINT REPAIR LIMITS AT PIER 4.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-70-406

DRAWN BY RRH | PLANS CK'D AA

AESTHETIC DETAILS

SHEET 9
603

SCALE = VARIES

8

8

9

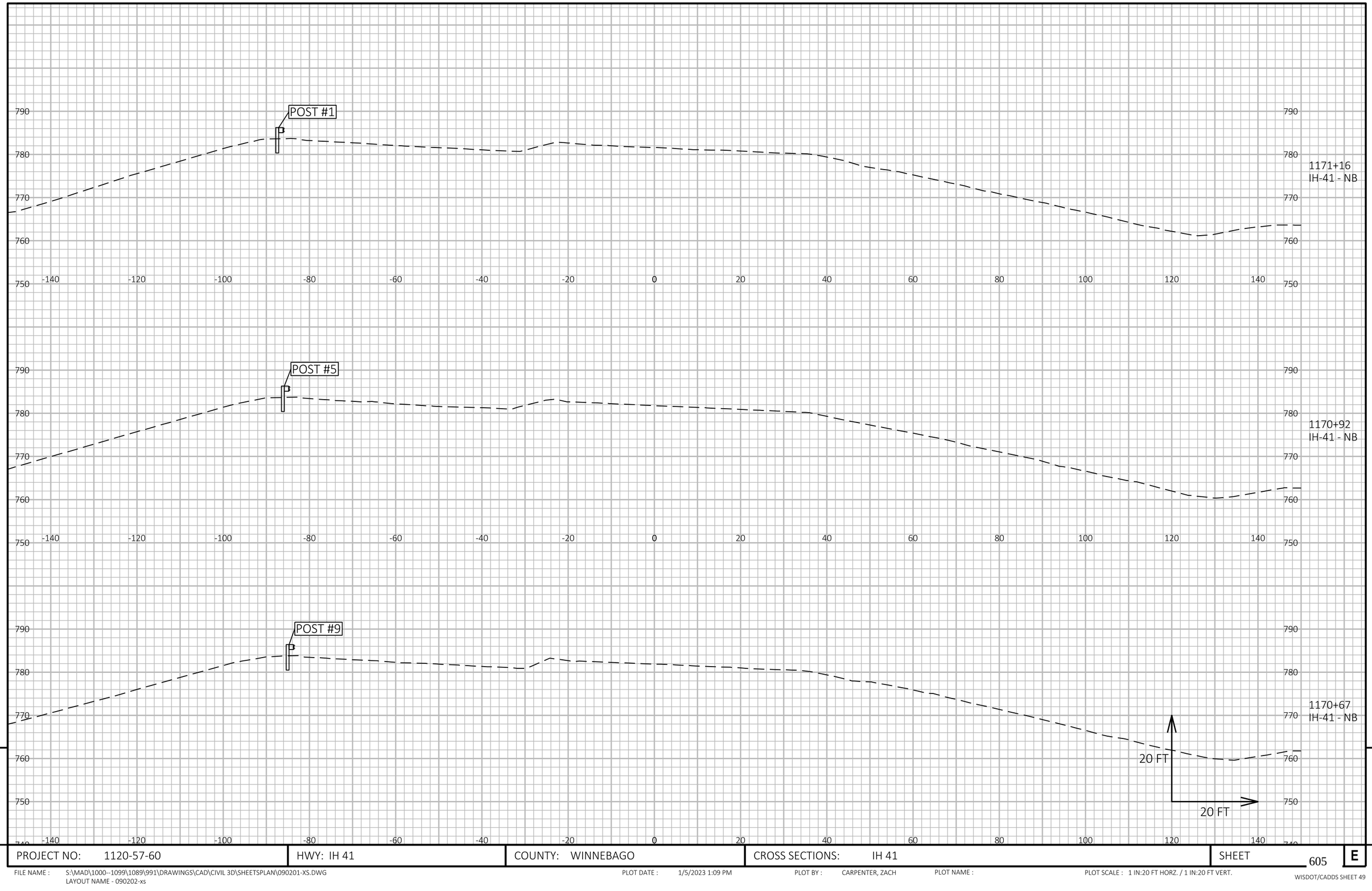
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 604	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

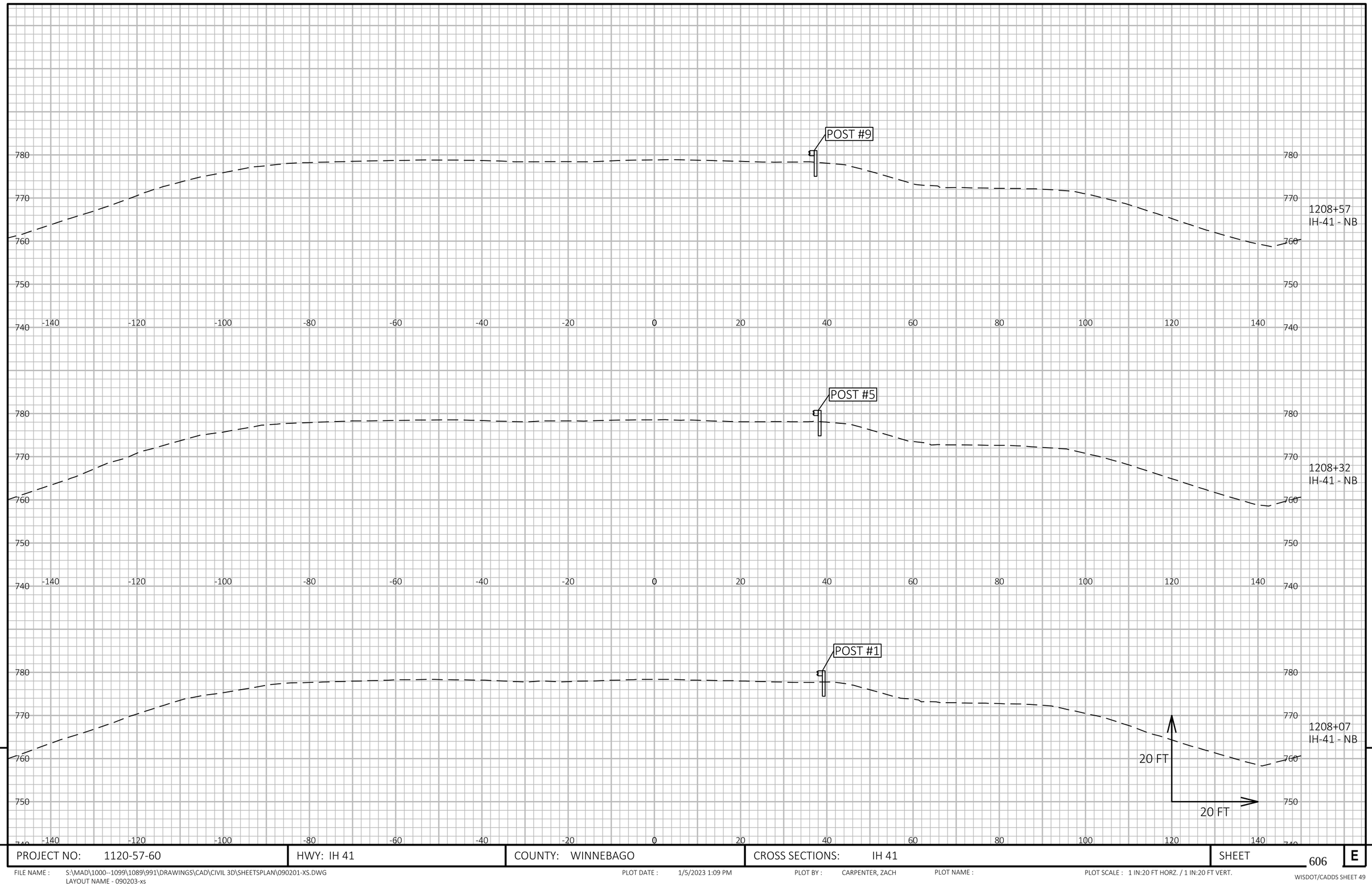
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 605	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 606	E

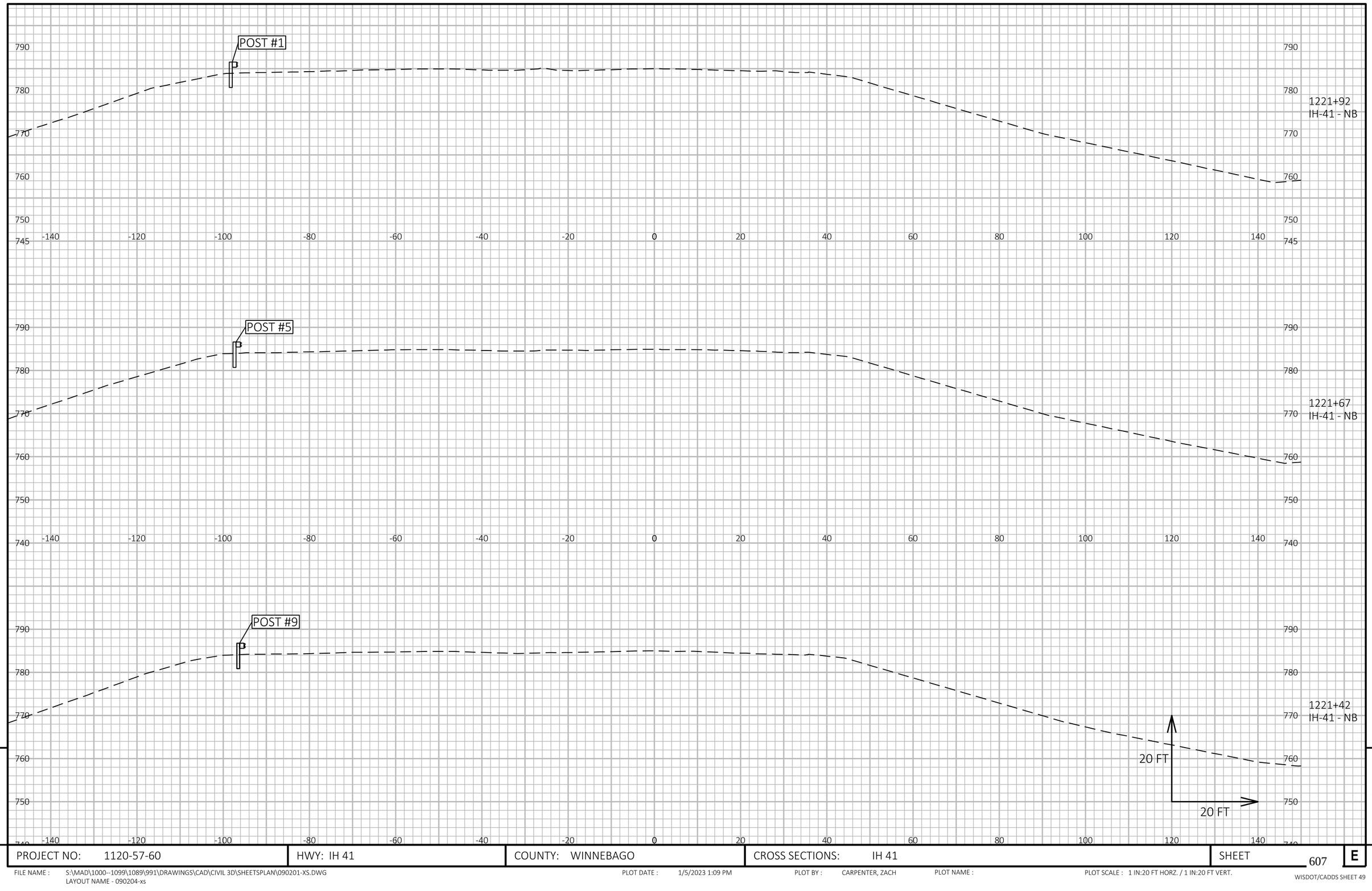
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 1/5/2023 1:09 PM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

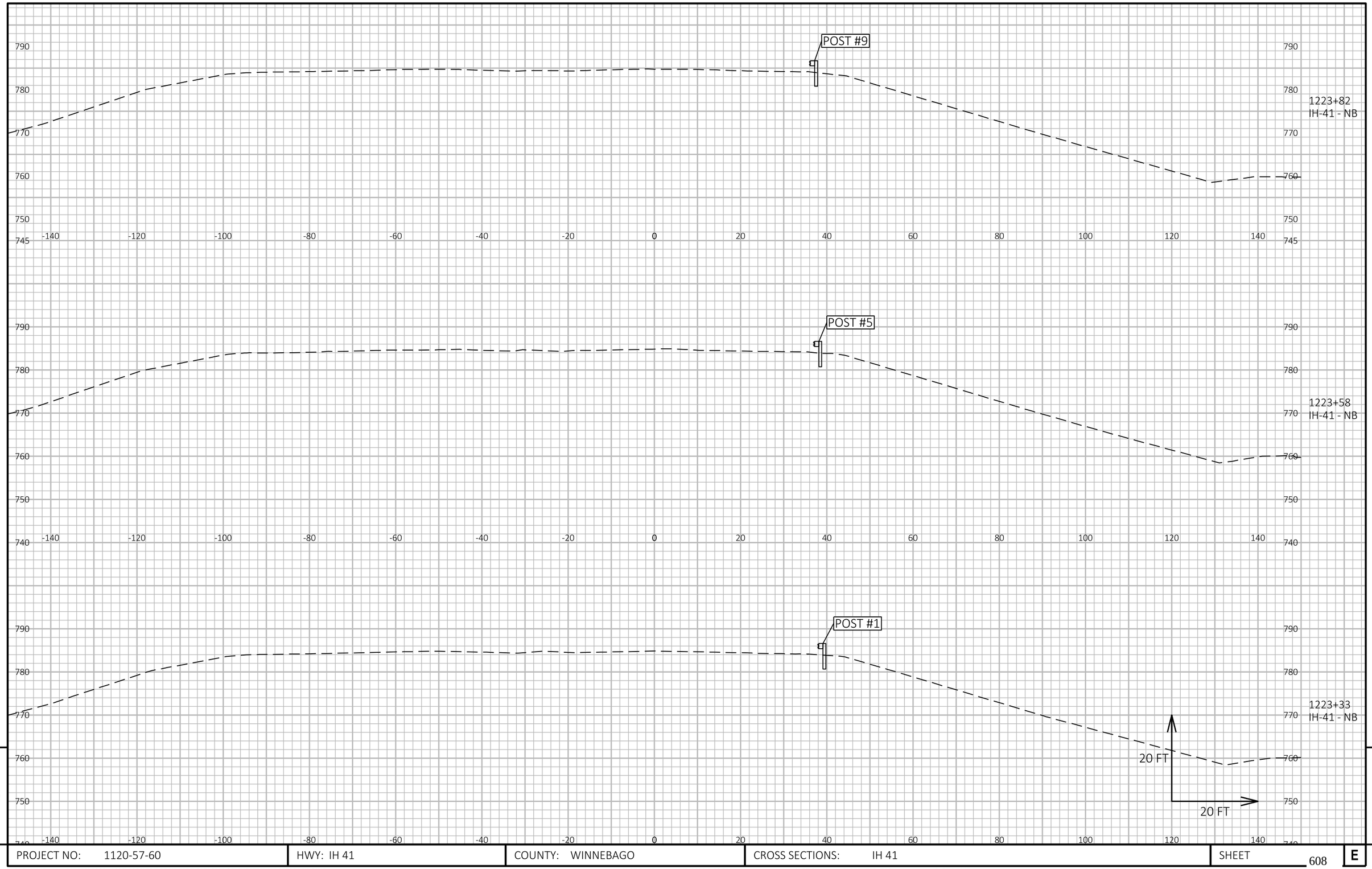
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 607	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



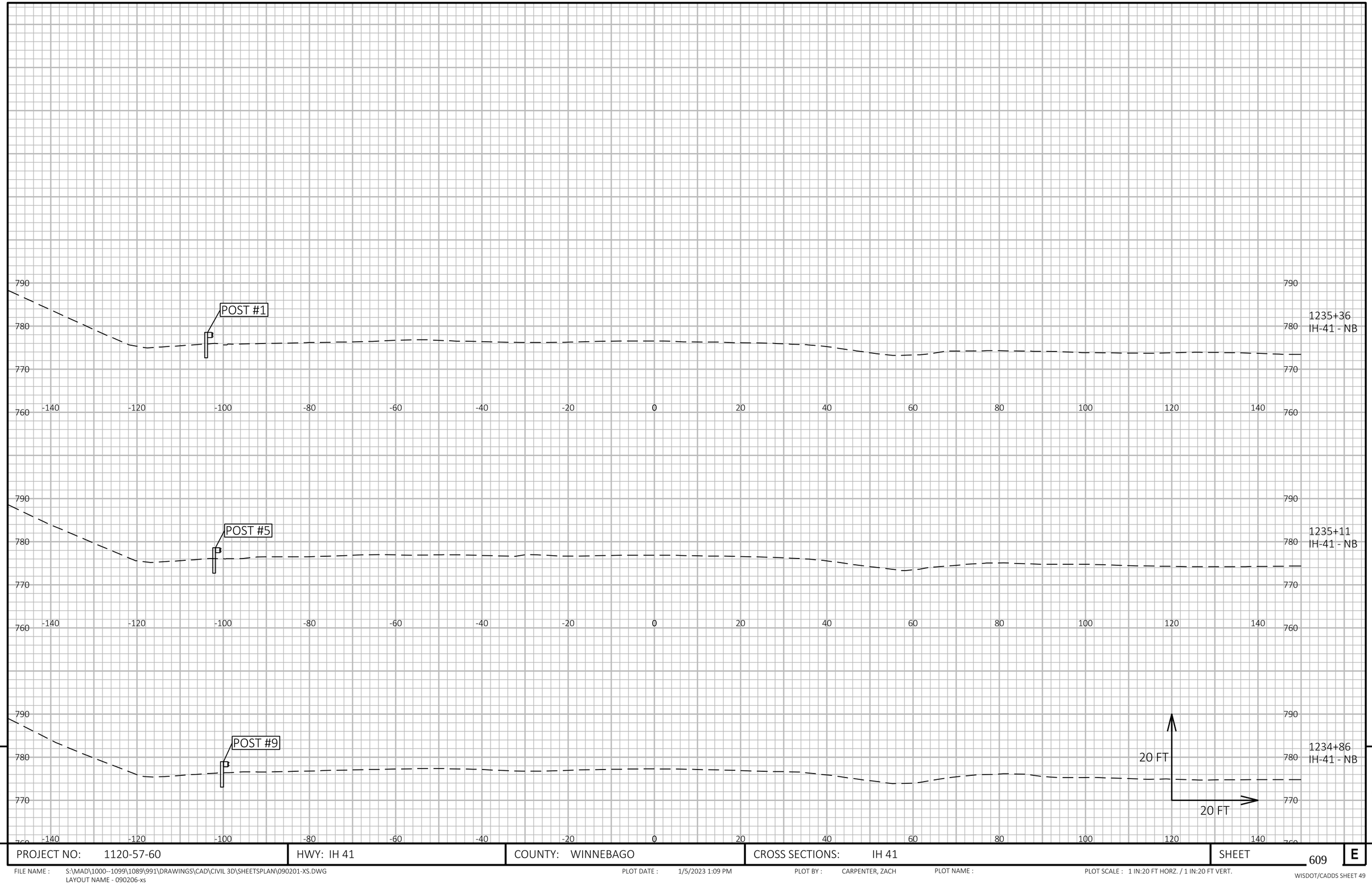
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 608	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



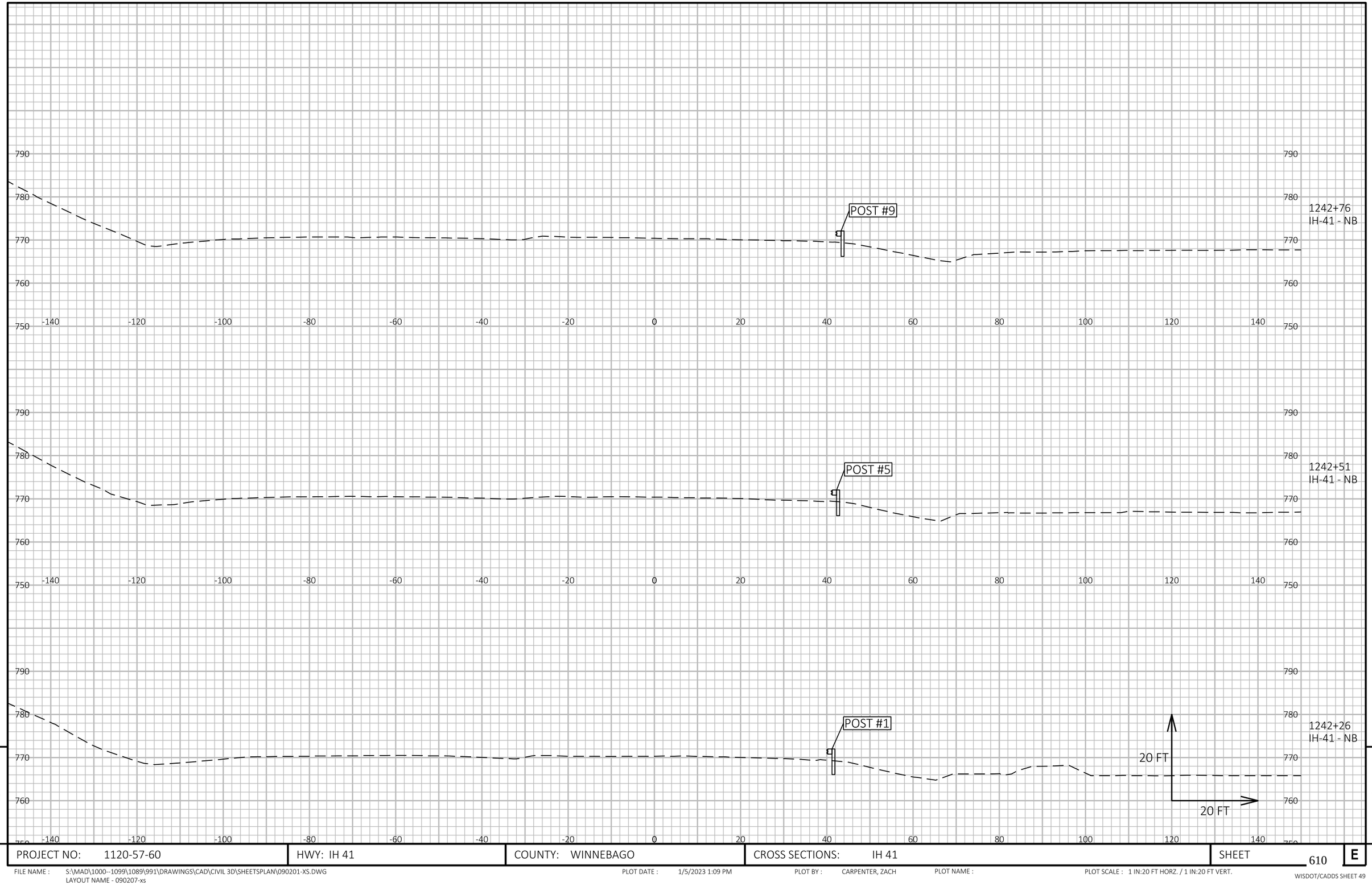
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 609	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



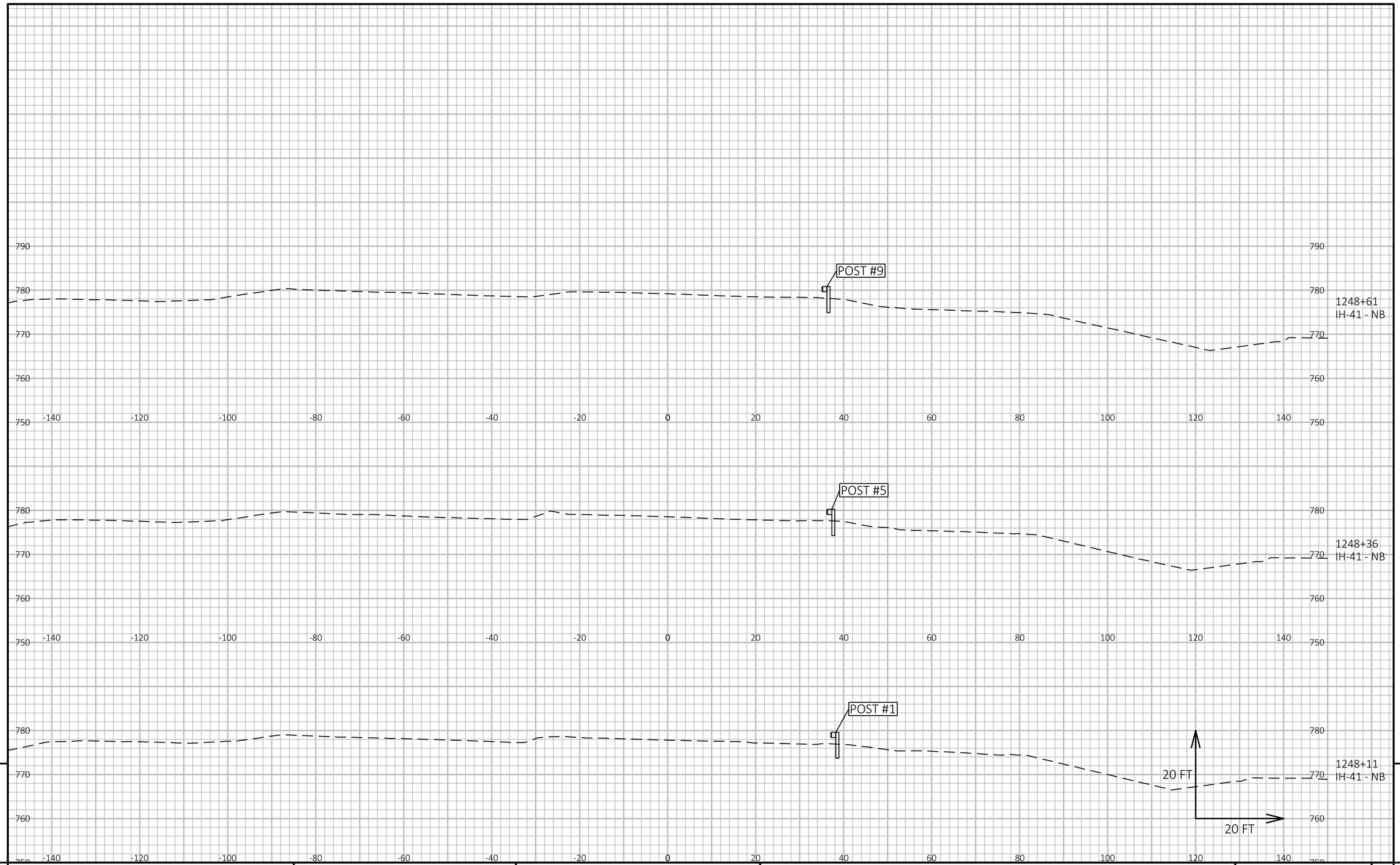
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 610	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



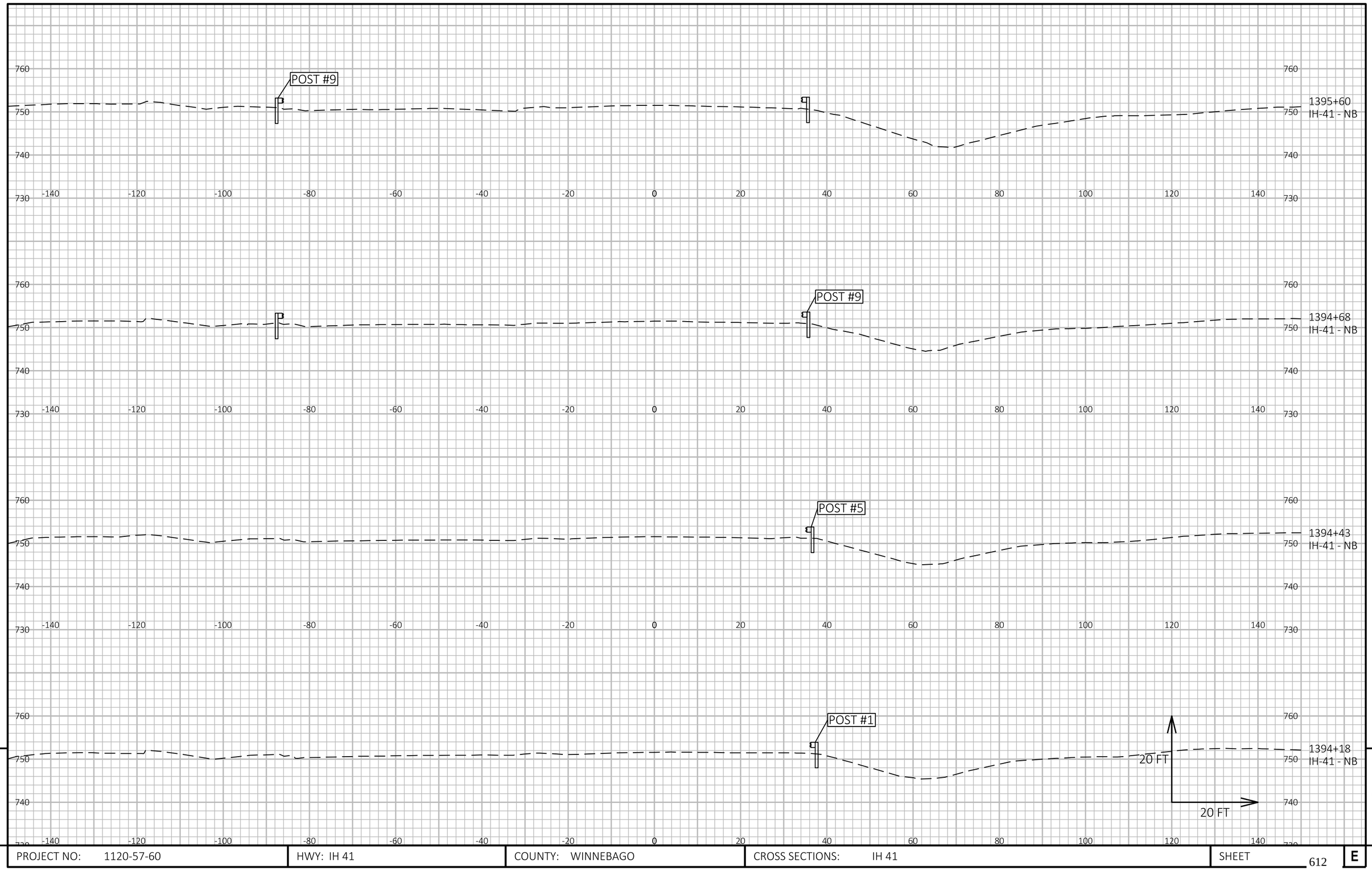
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 611	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



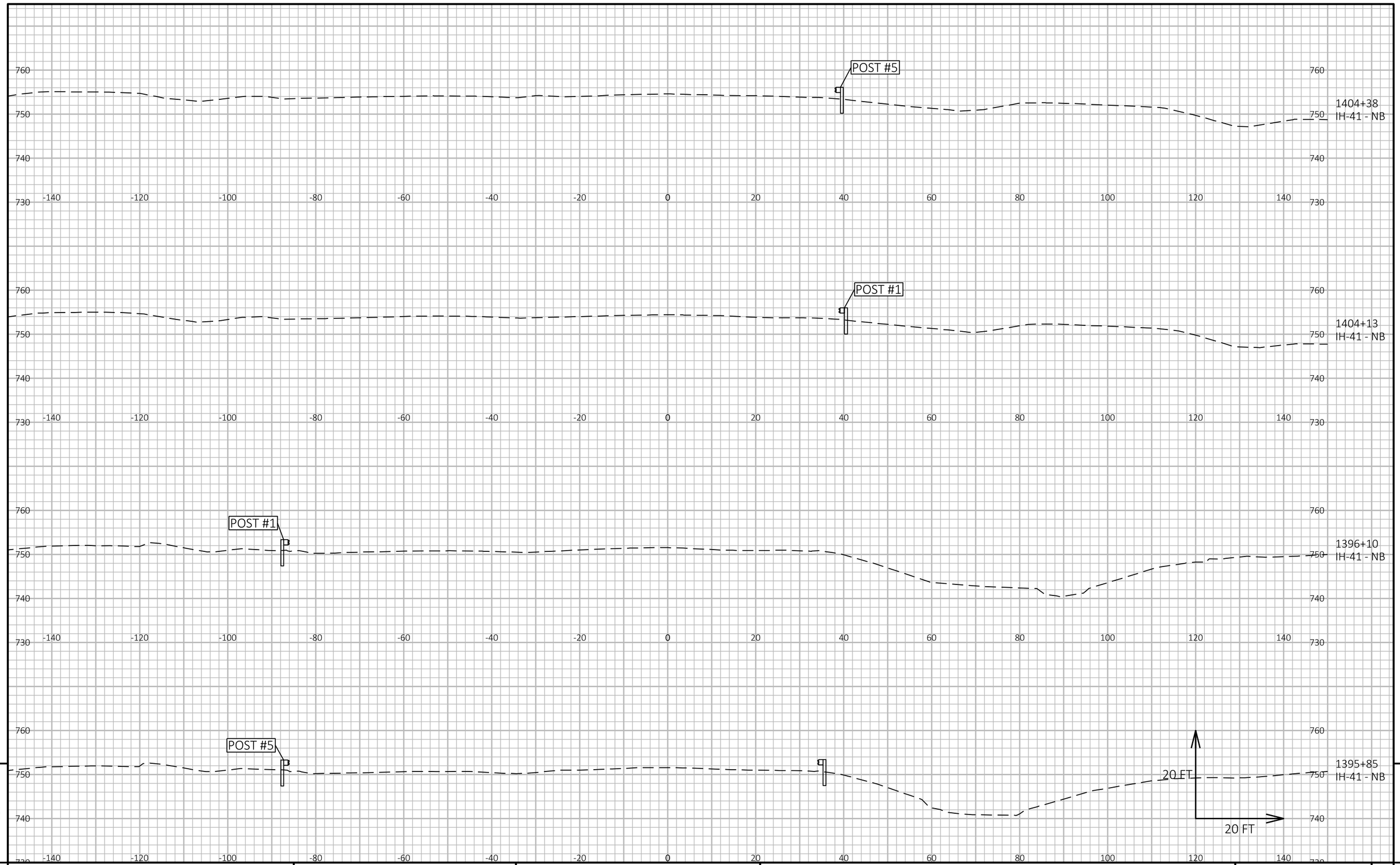
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 612	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 613	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 614	E

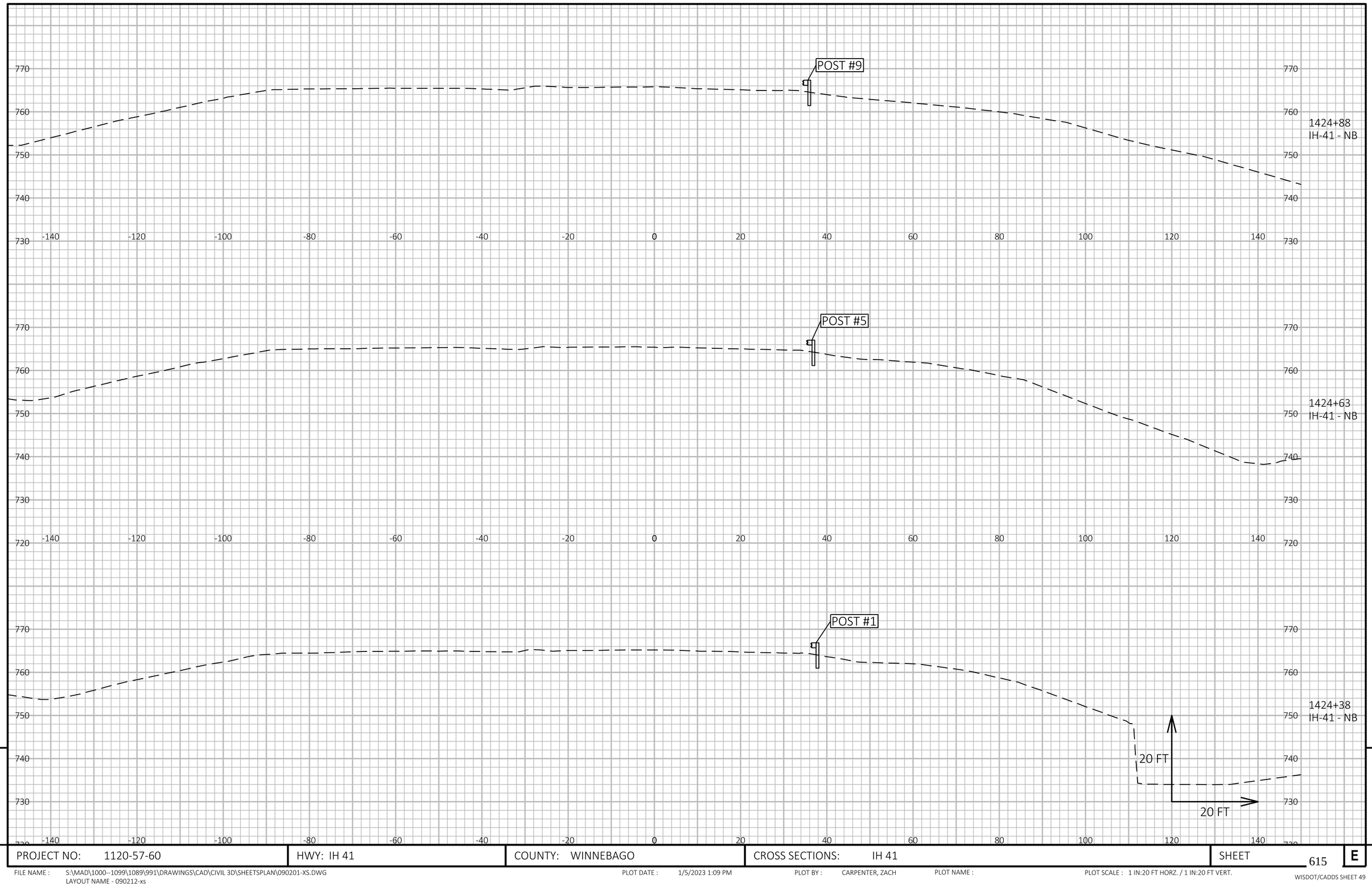
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 1/5/2023 1:09 PM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



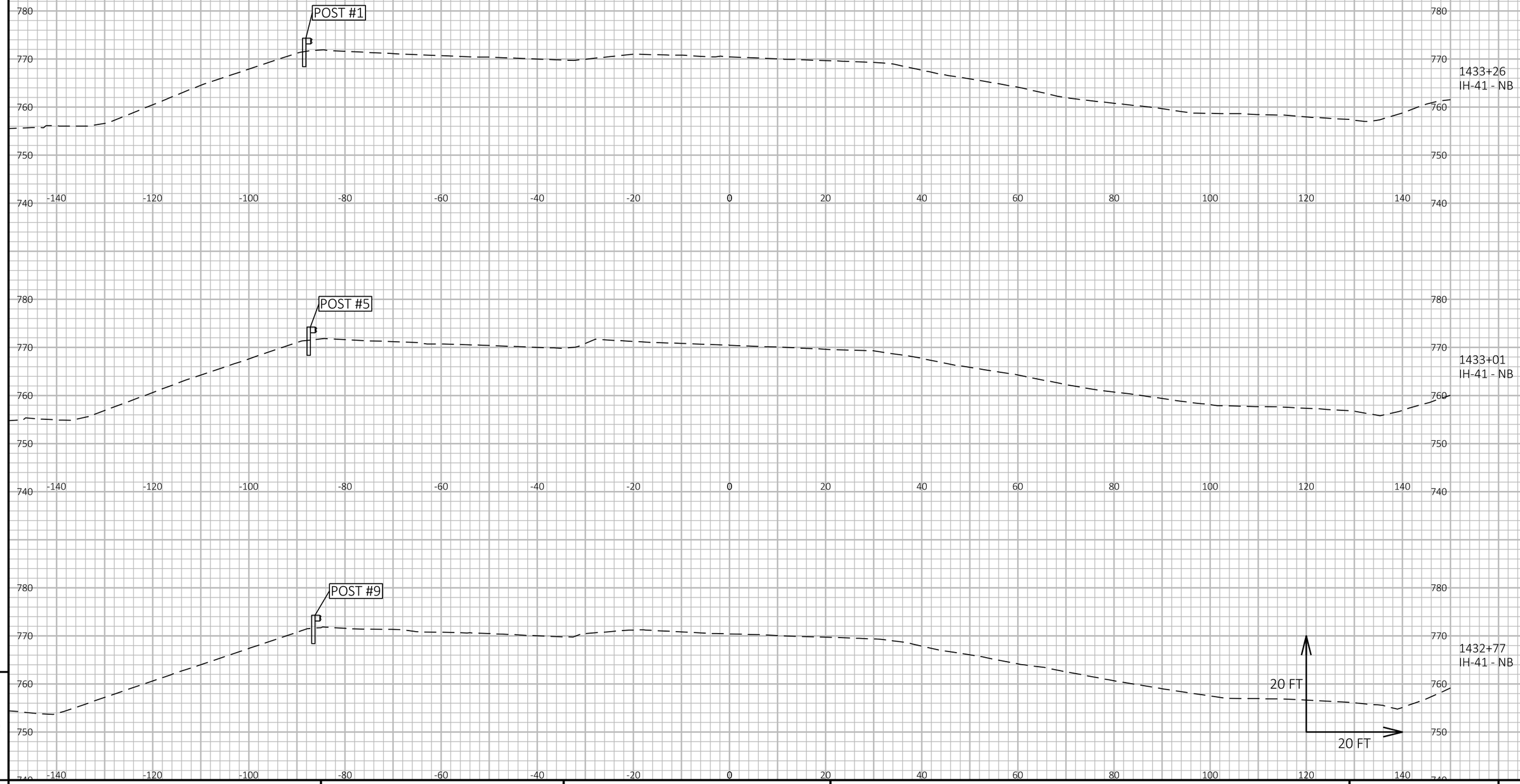
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 615	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 616	E

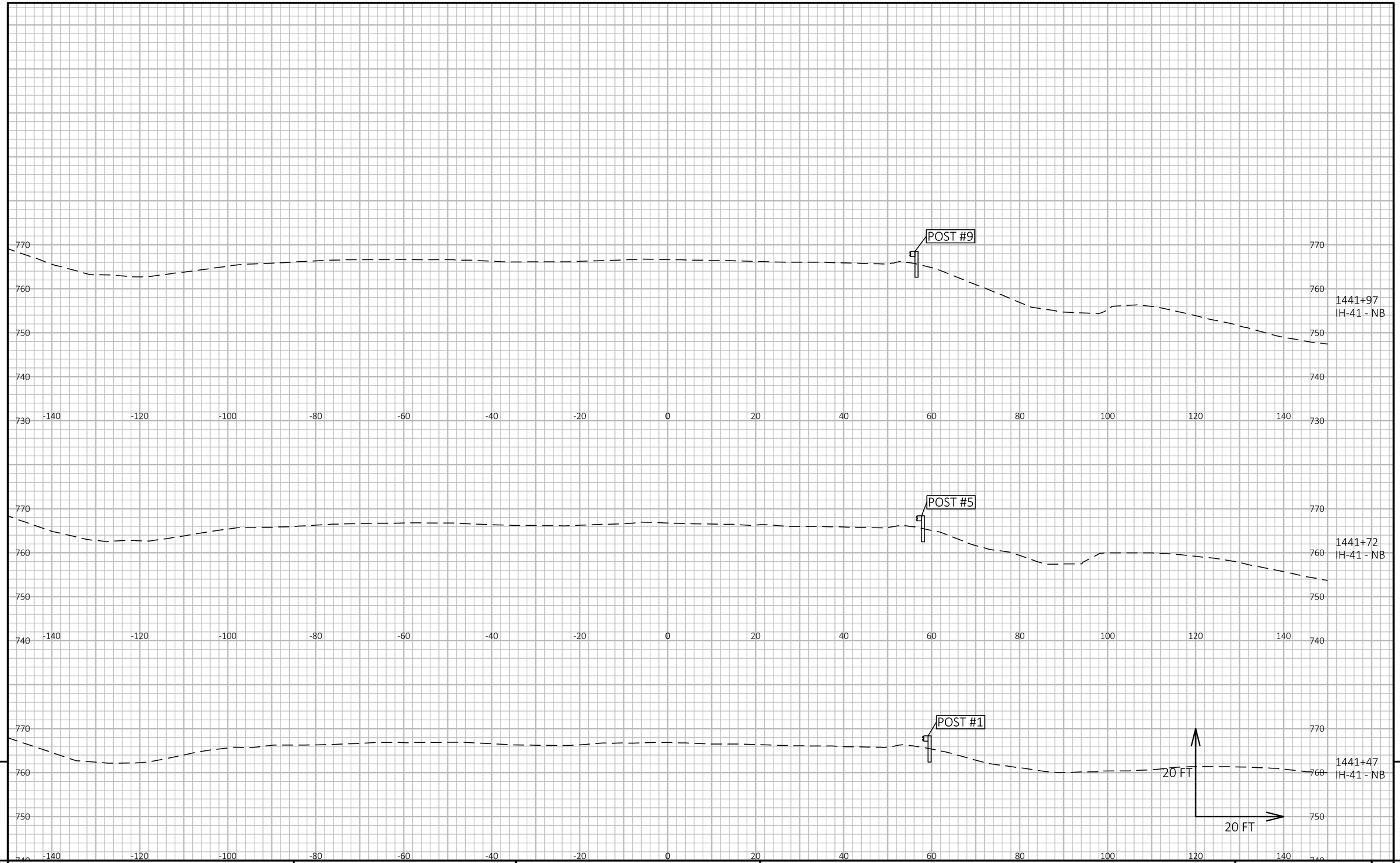
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 1/5/2023 1:09 PM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



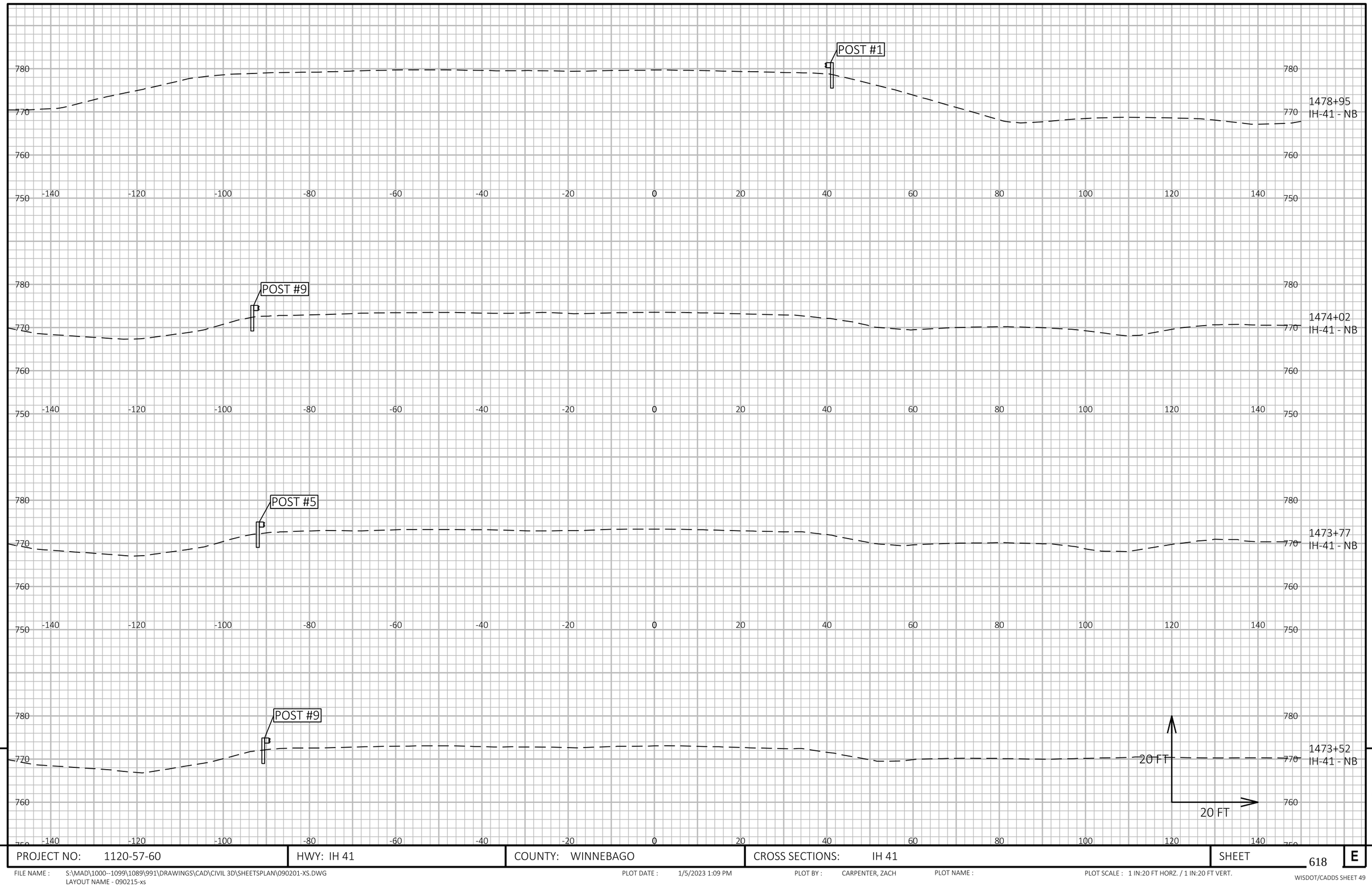
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 617	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



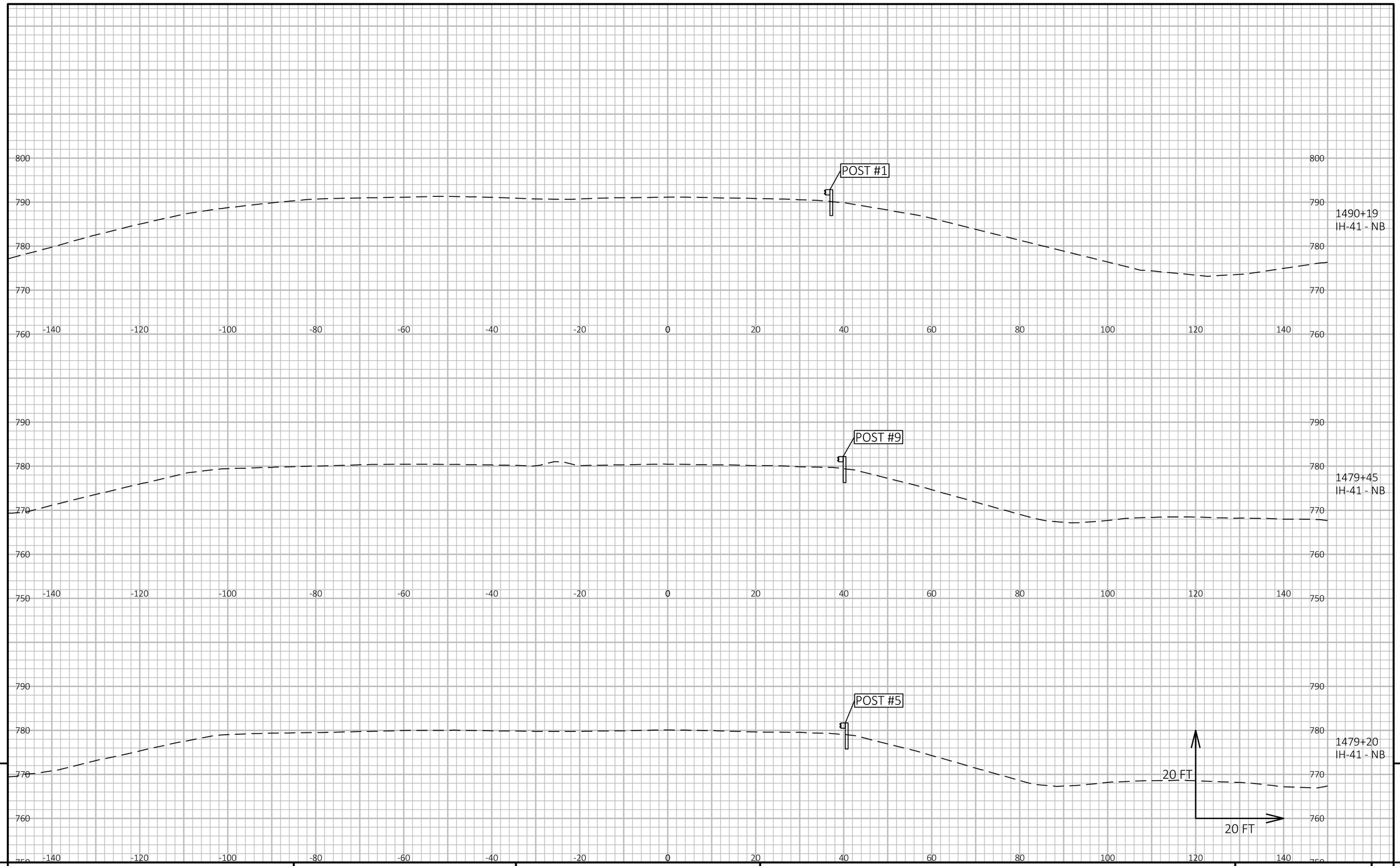
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 618	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 619	E

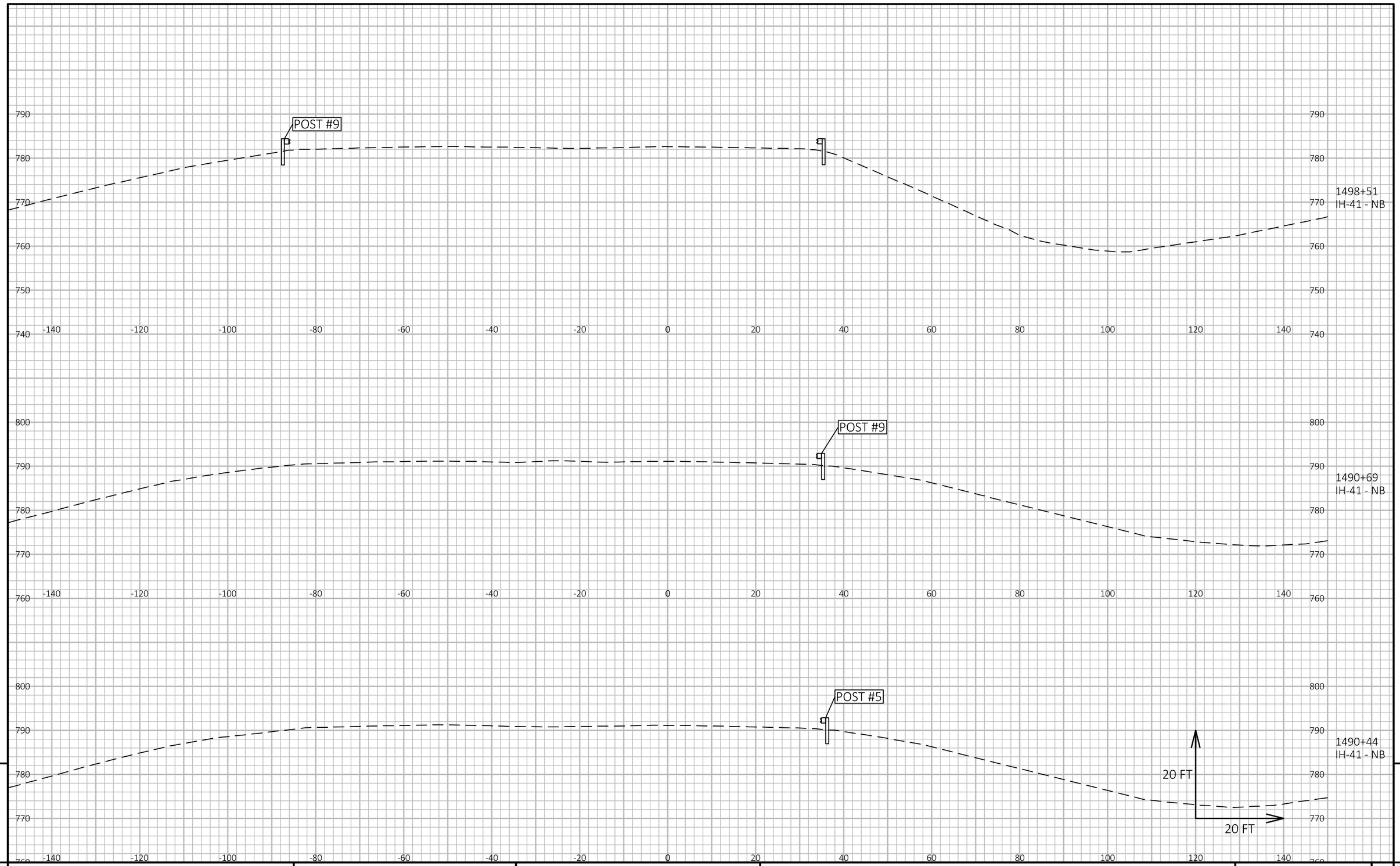
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 1/5/2023 1:09 PM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 620	E

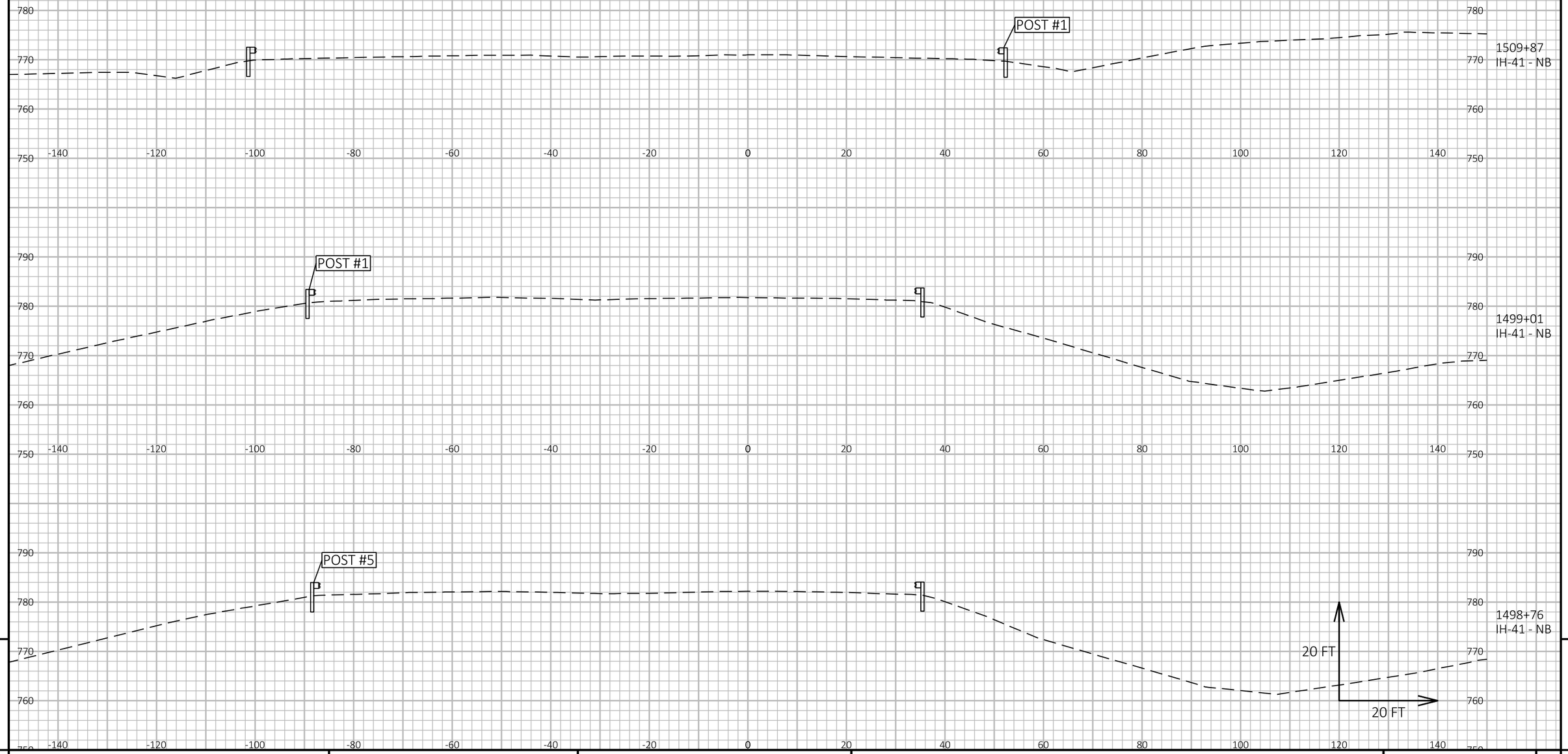
FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 1/5/2023 1:09 PM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



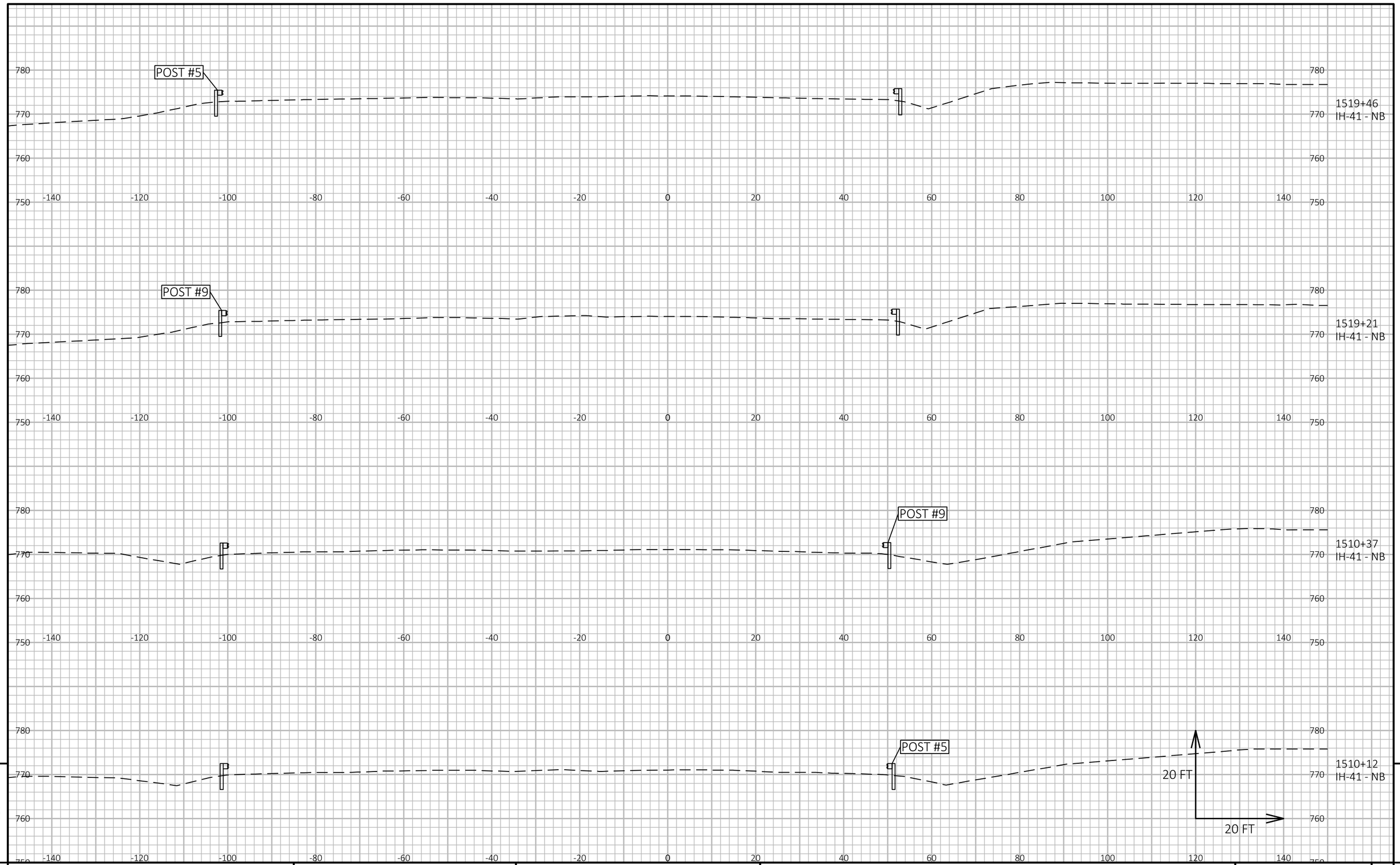
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 621	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 1/5/2023 1:09 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

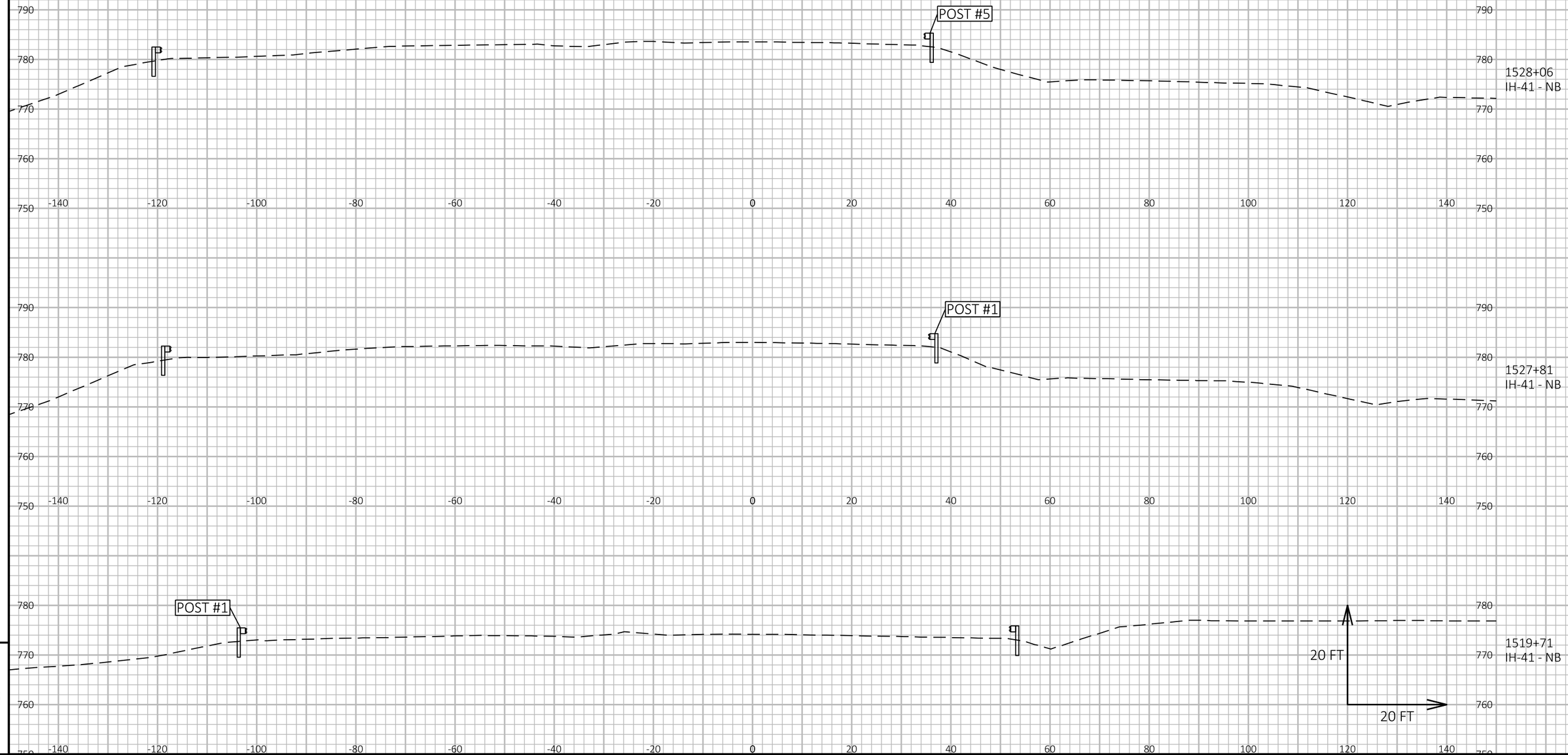
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 622	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

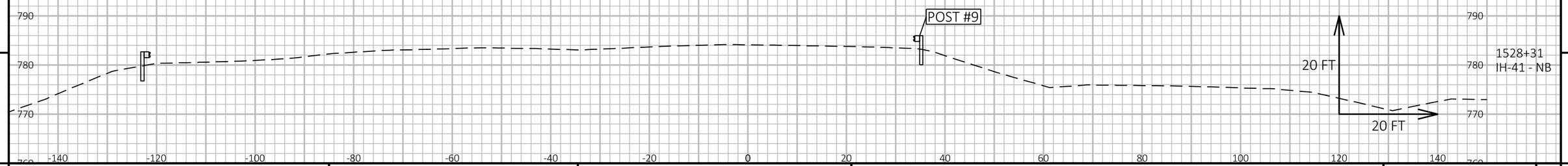
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 623	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

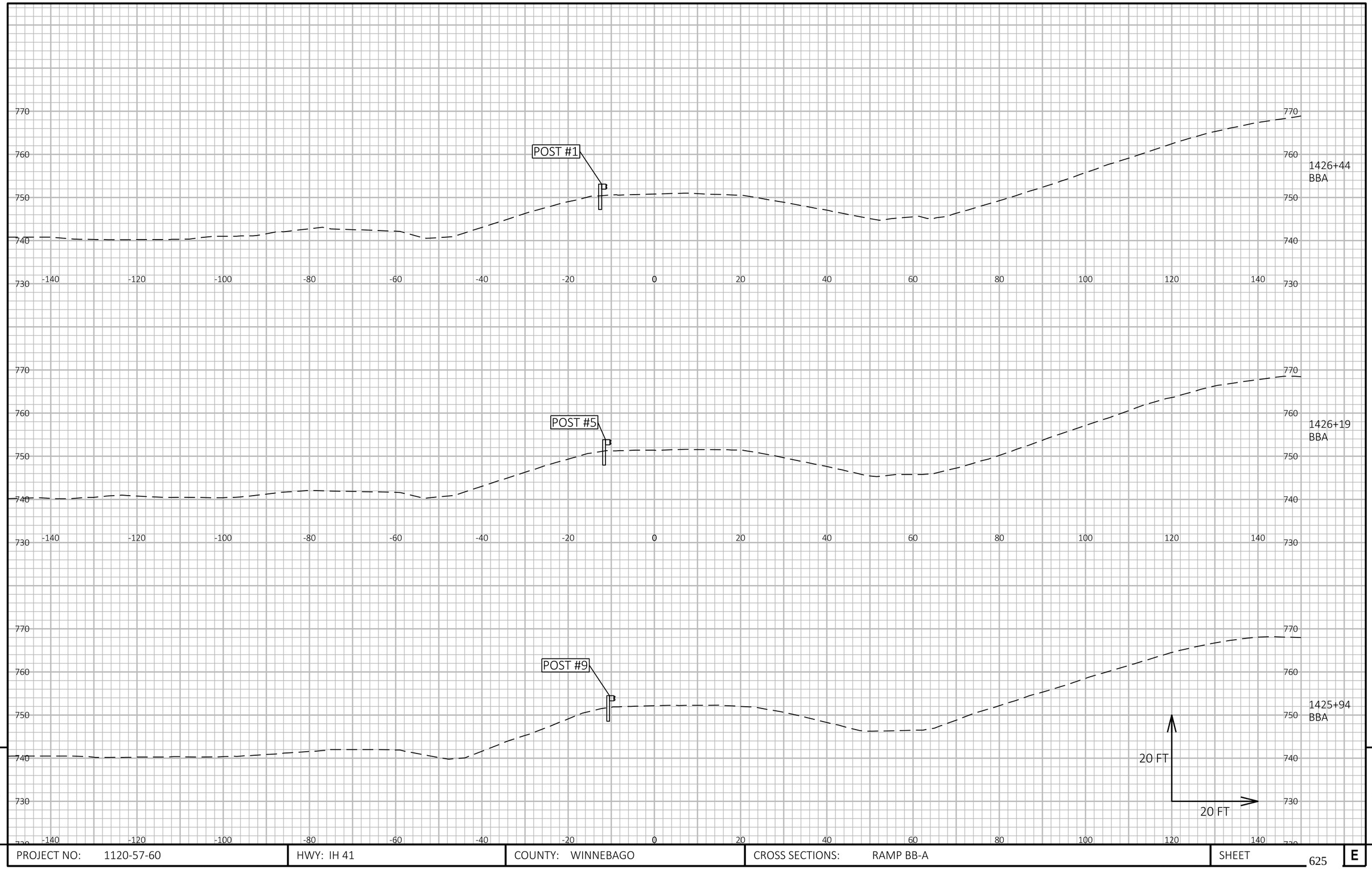
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: IH 41	SHEET 624	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



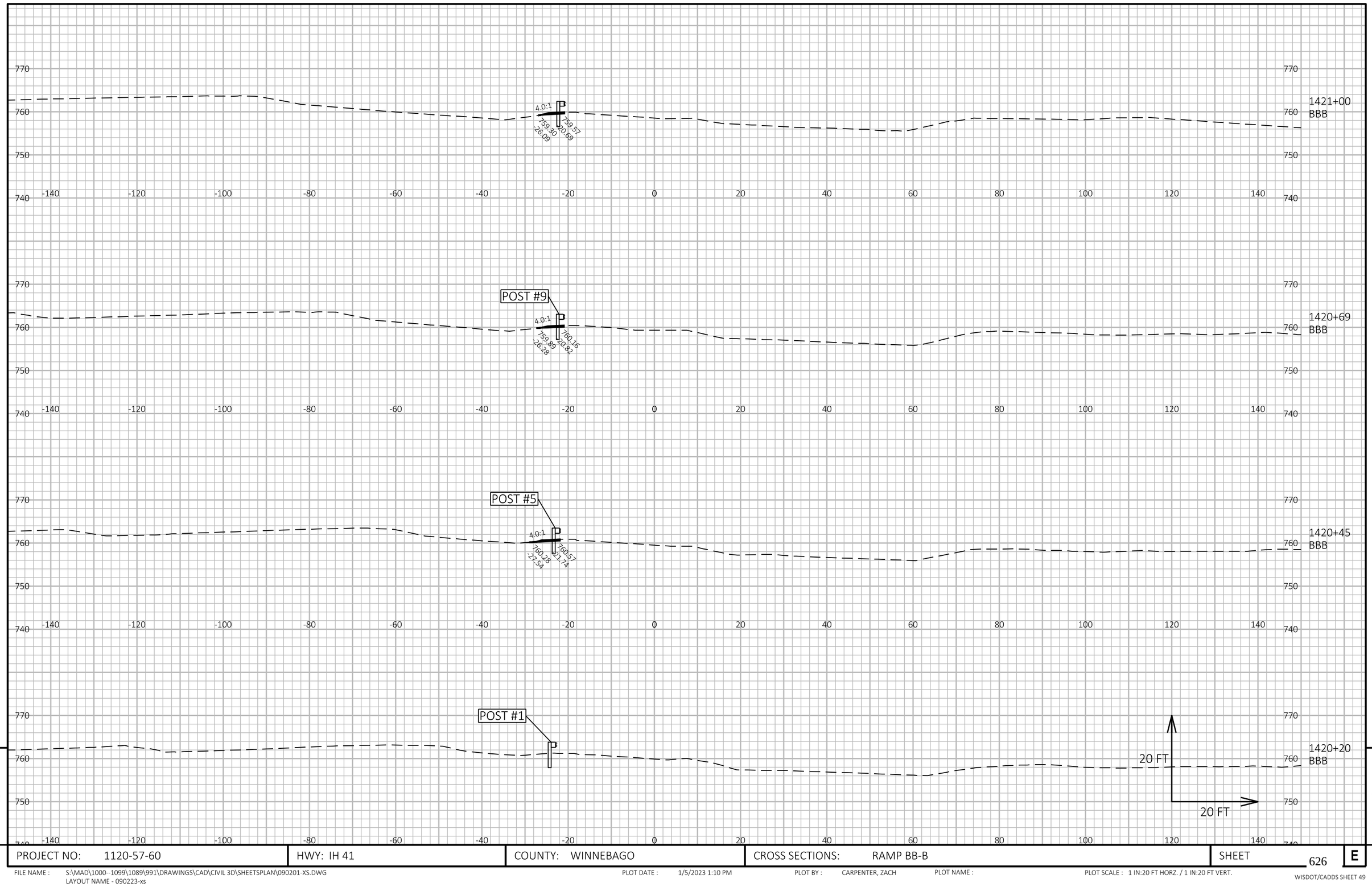
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP BB-A	SHEET 625	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

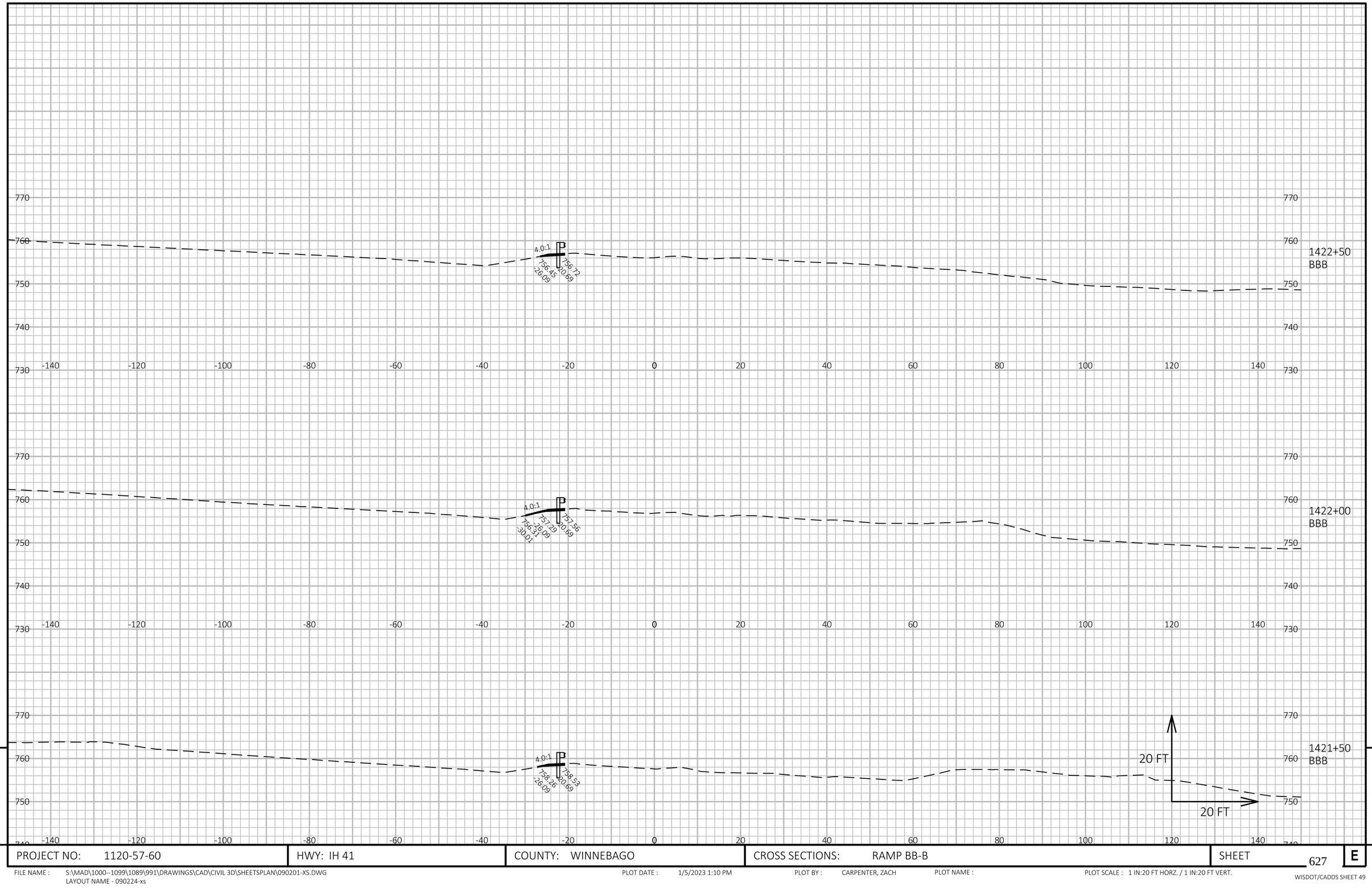
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP BB-B	SHEET 626	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090223-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



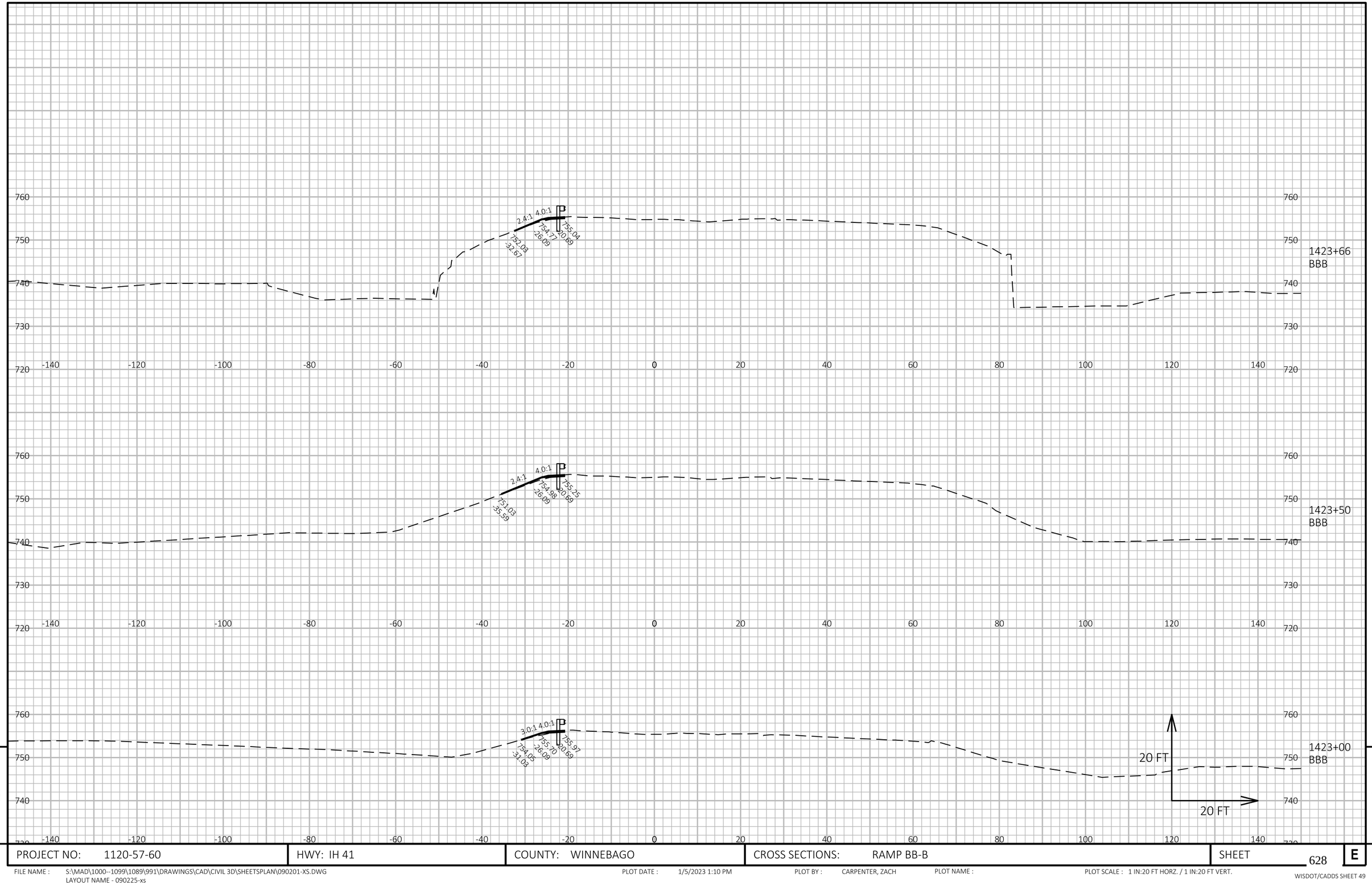
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP BB-B	SHEET 627	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090224-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

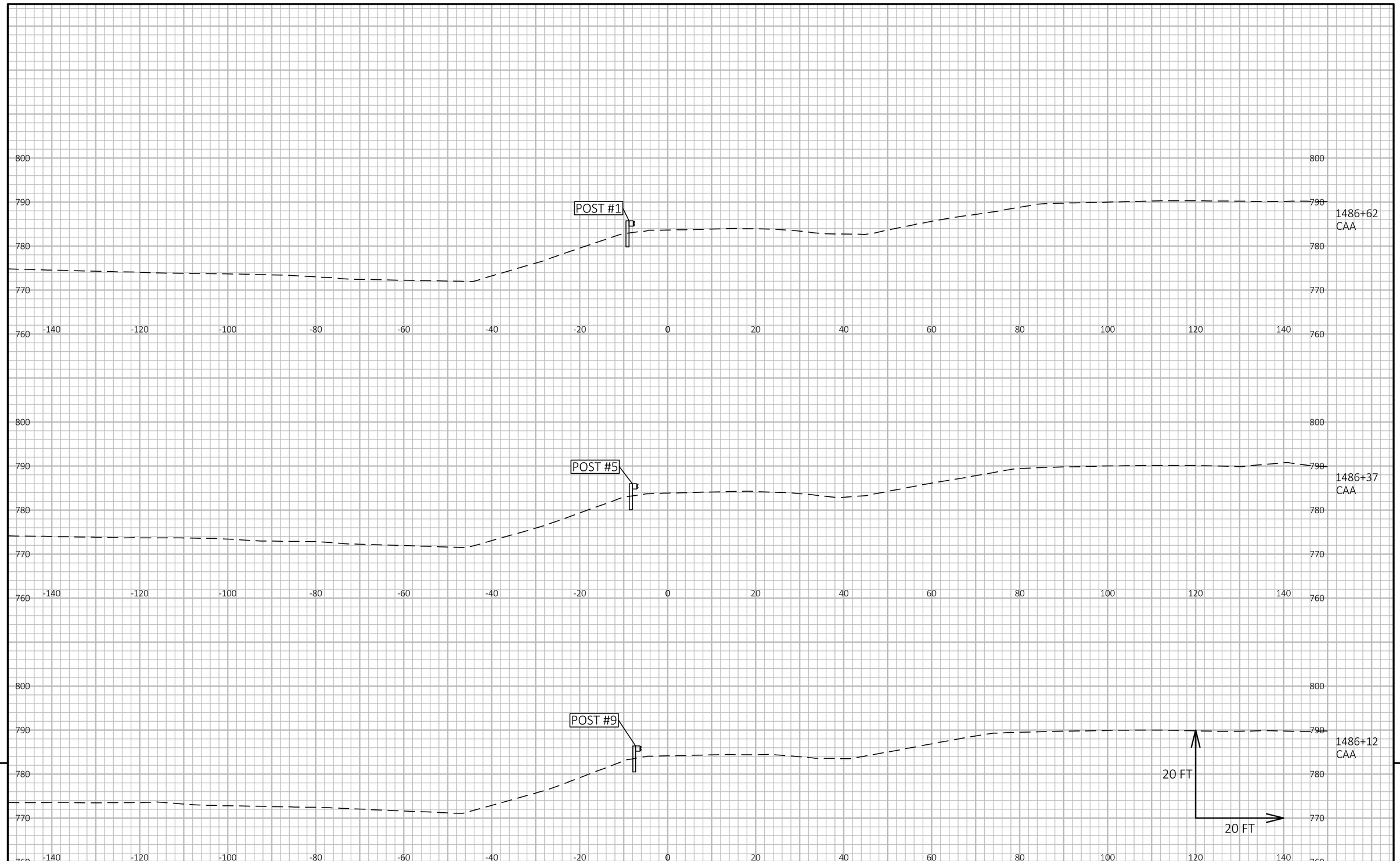
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP BB-B	SHEET 628	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

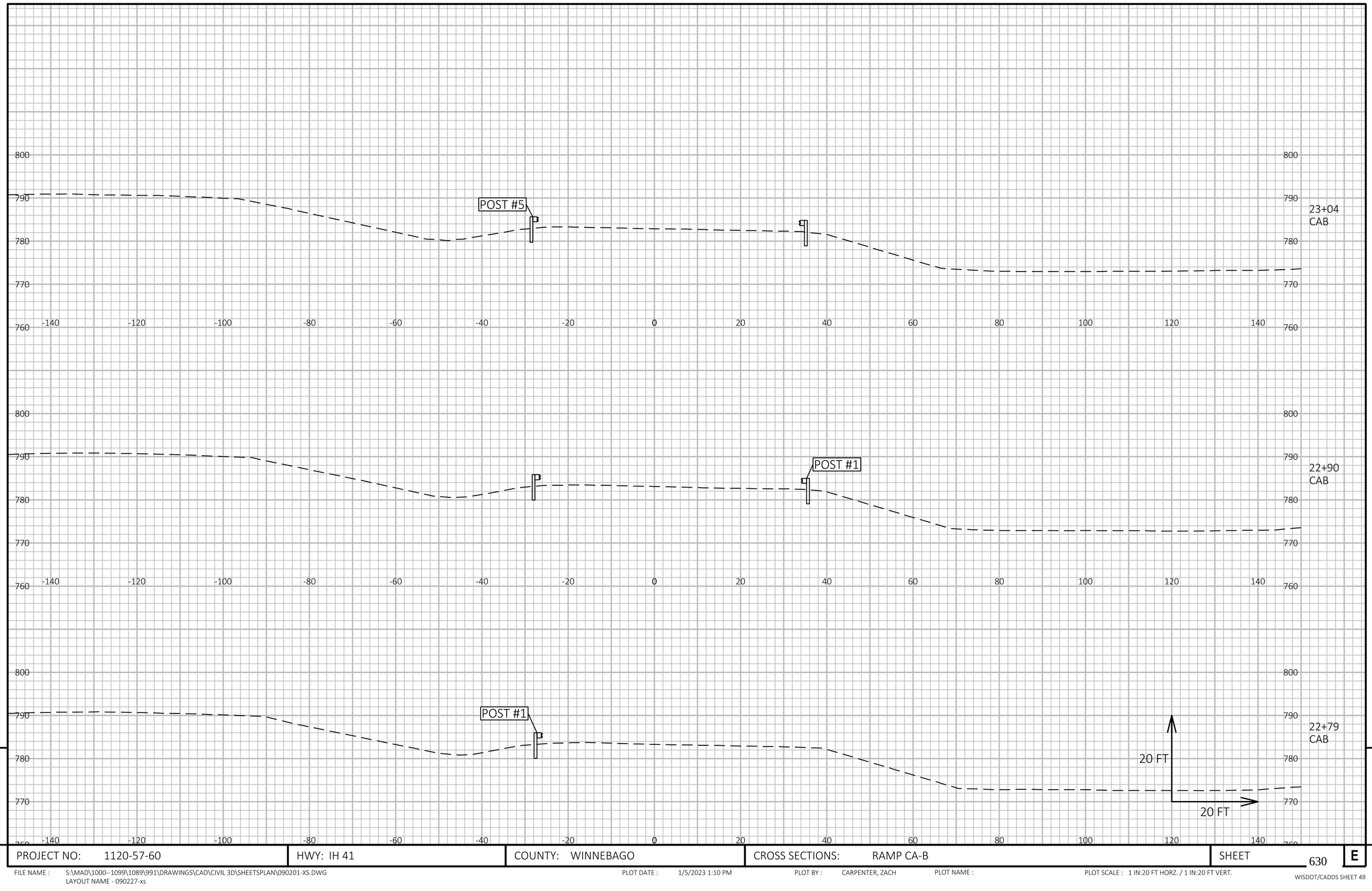
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-A	SHEET 629	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090226-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

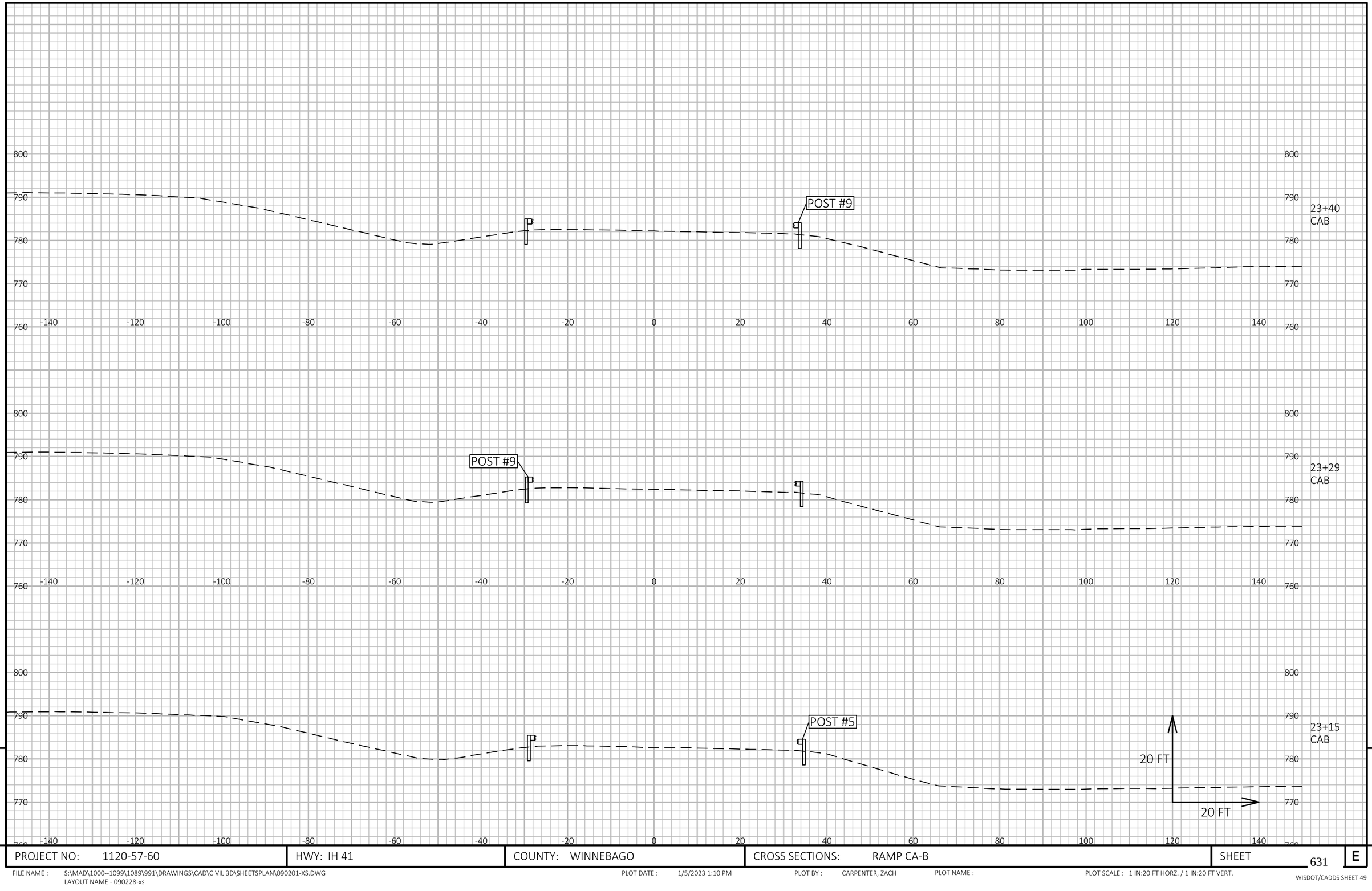


9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-B	SHEET 630	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090227-xs
PLOT DATE : 1/5/2023 1:10 PM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



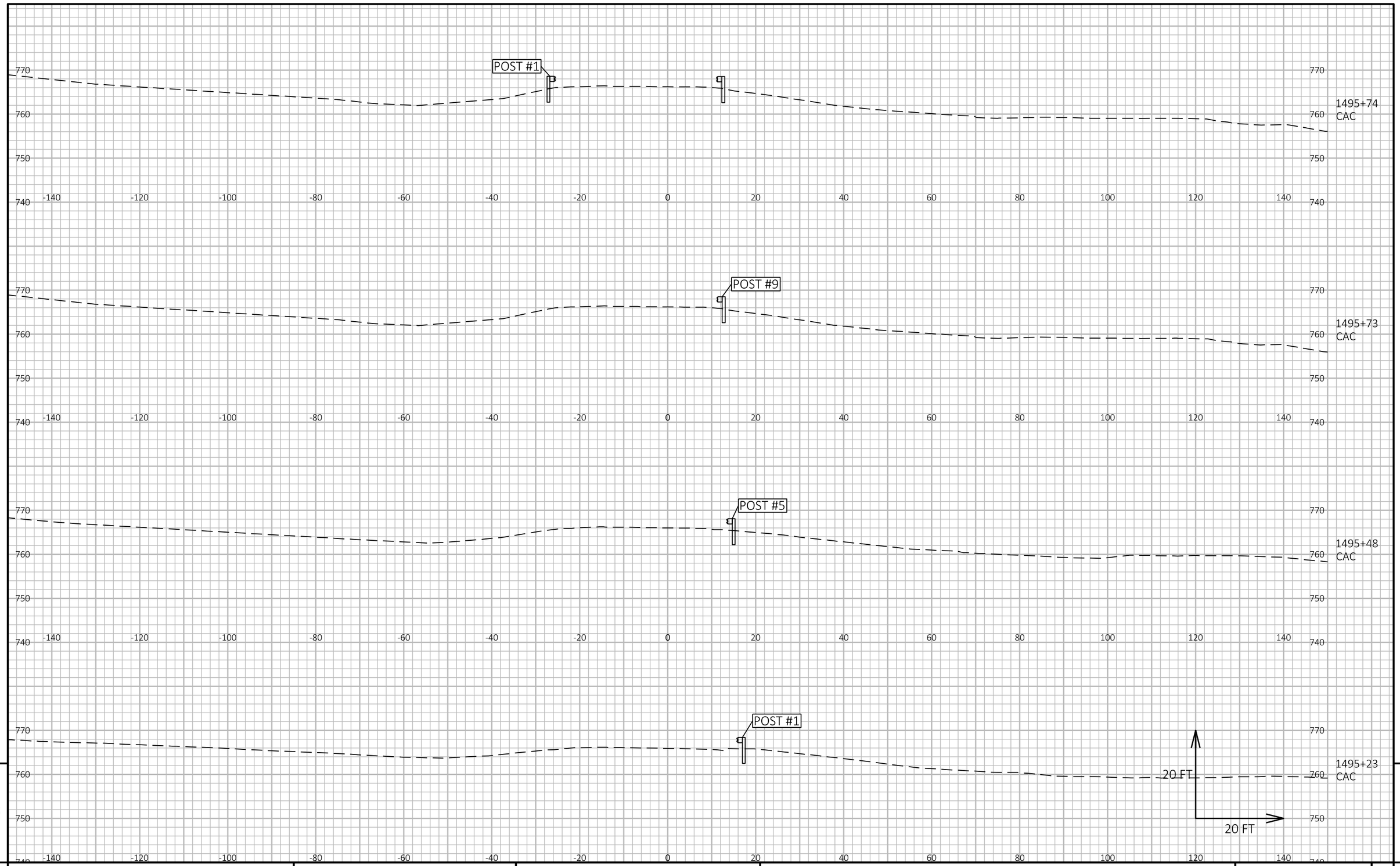
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-B	SHEET 631	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090228-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



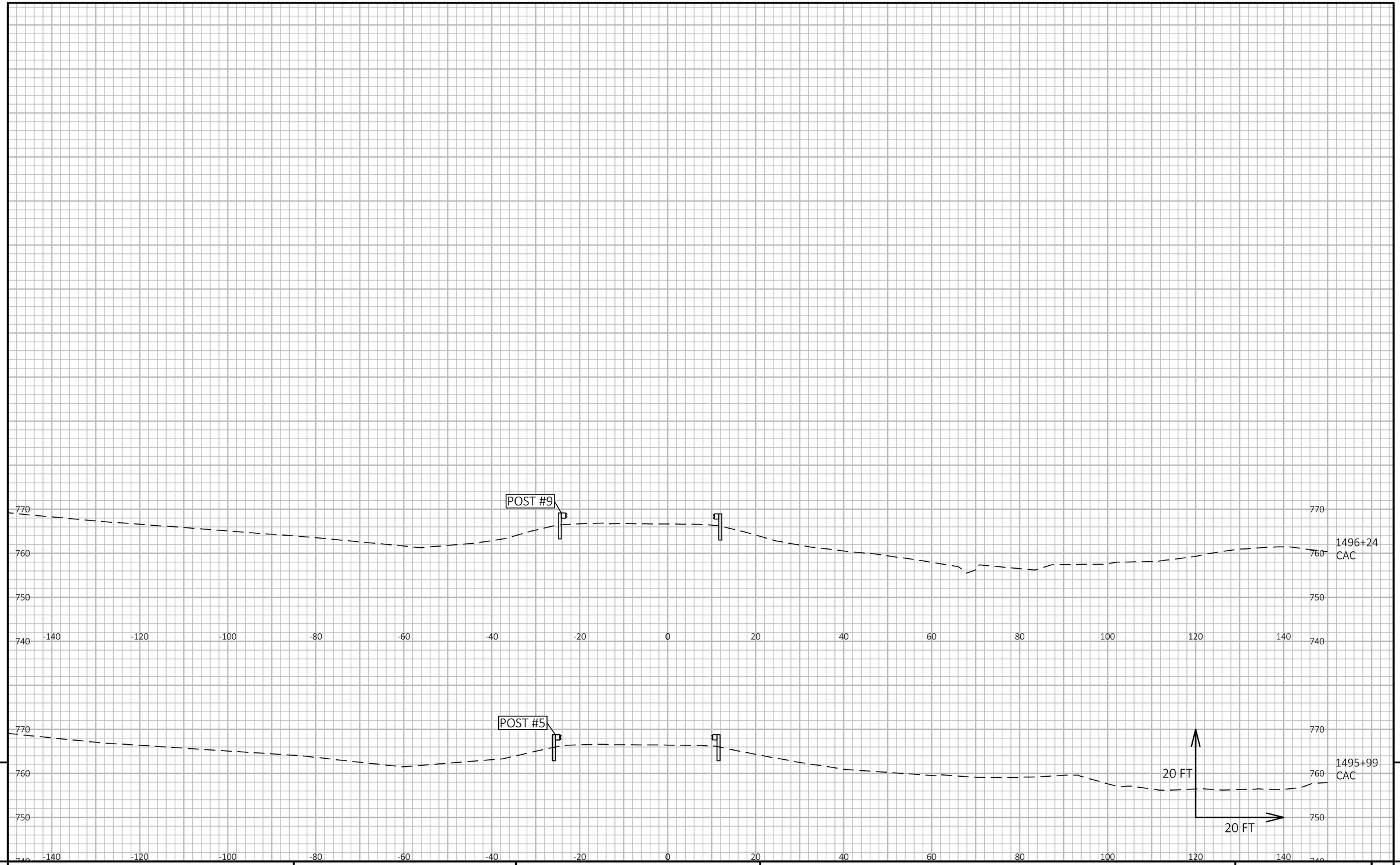
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-C	SHEET 632	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090229-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



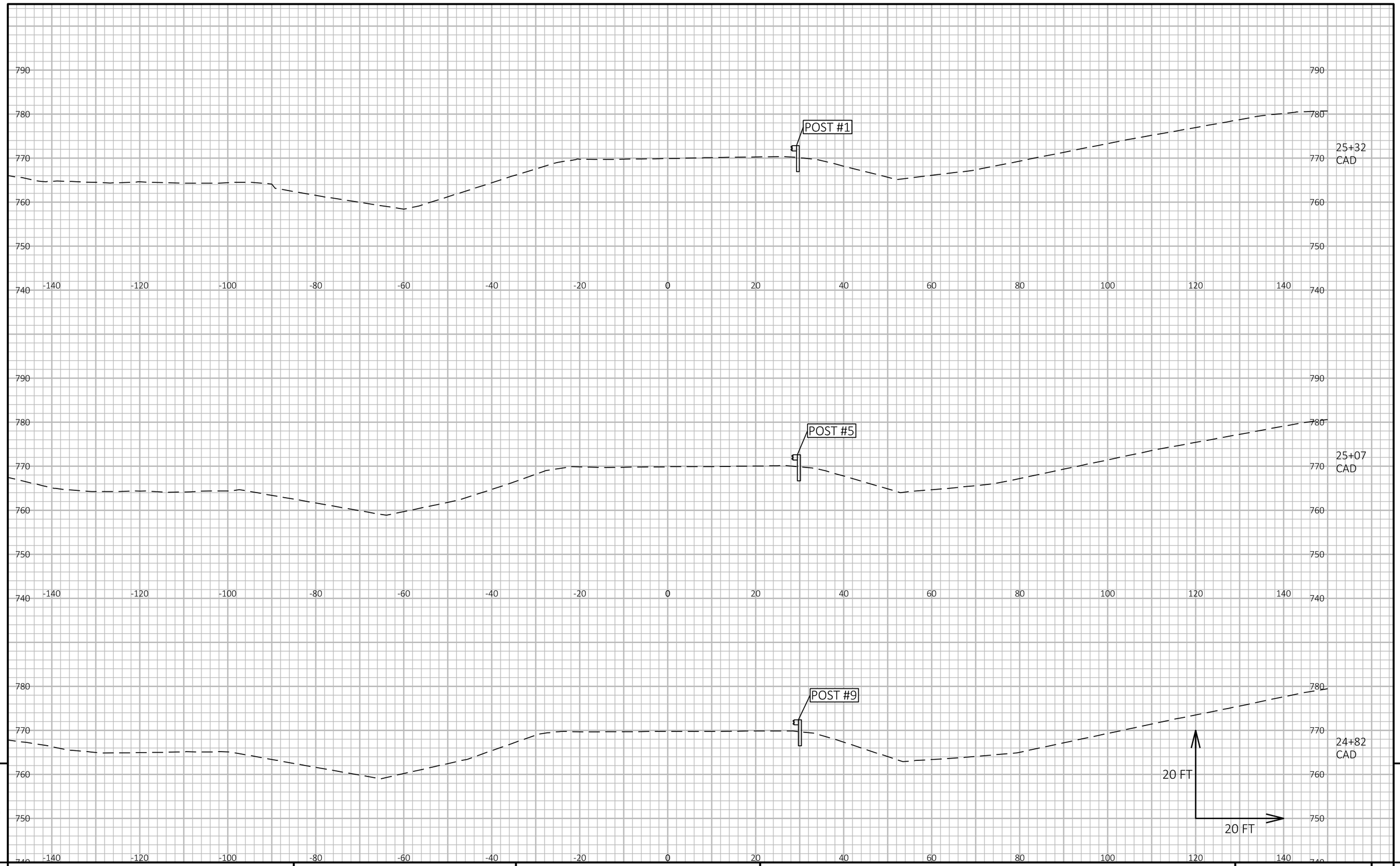
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-C	SHEET 633	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



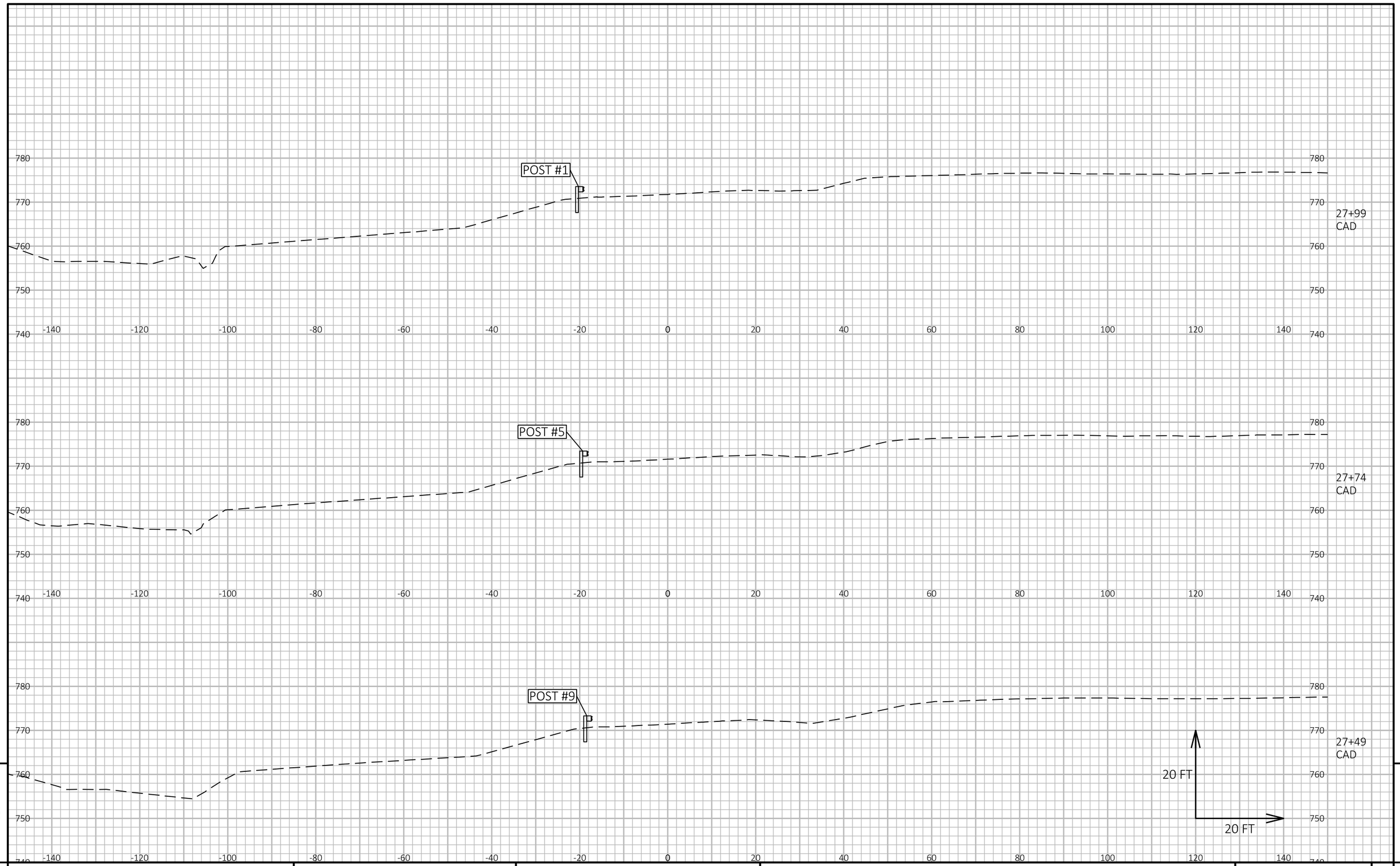
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-D	SHEET 634	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



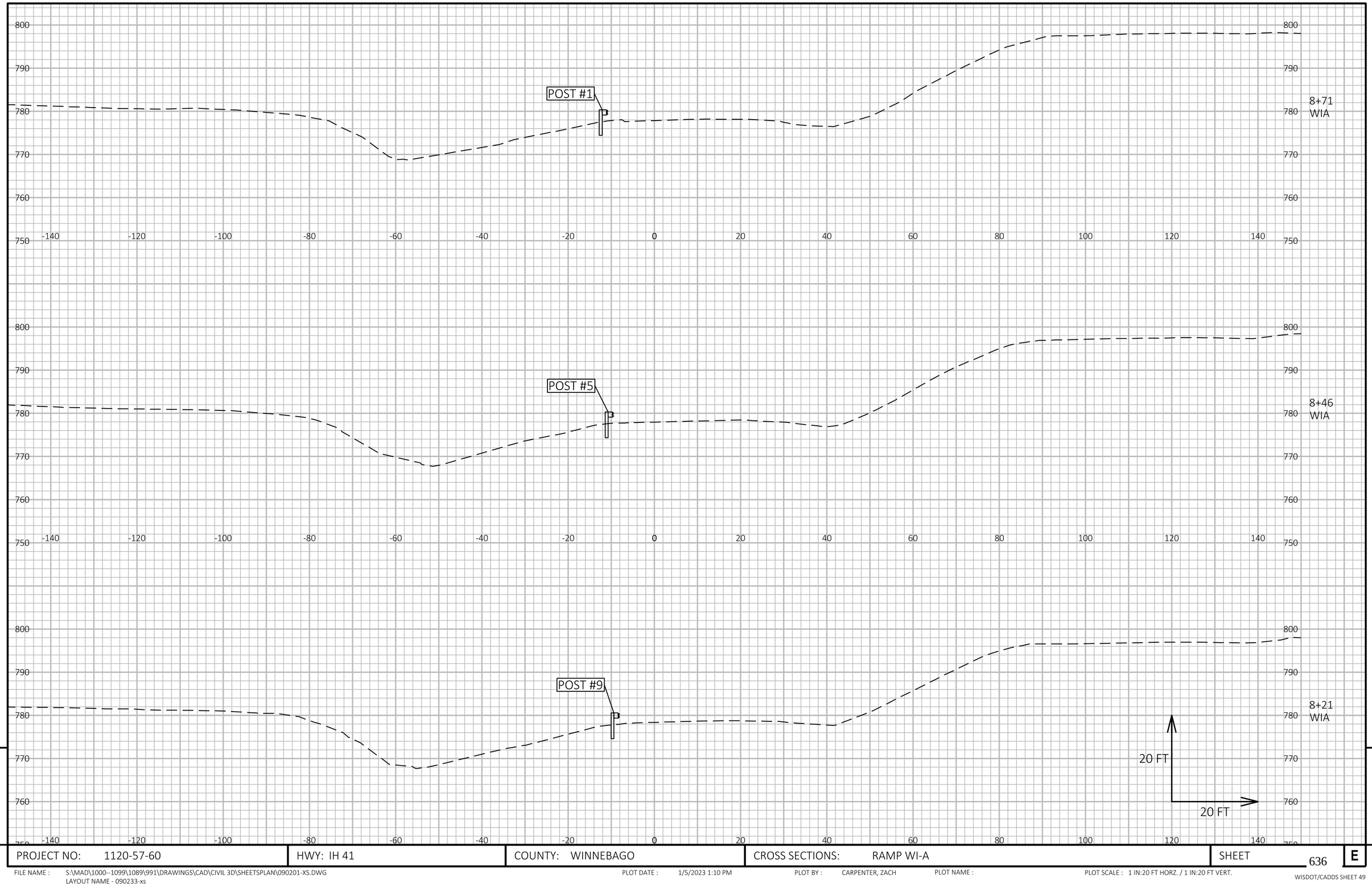
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP CA-D	SHEET 635	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

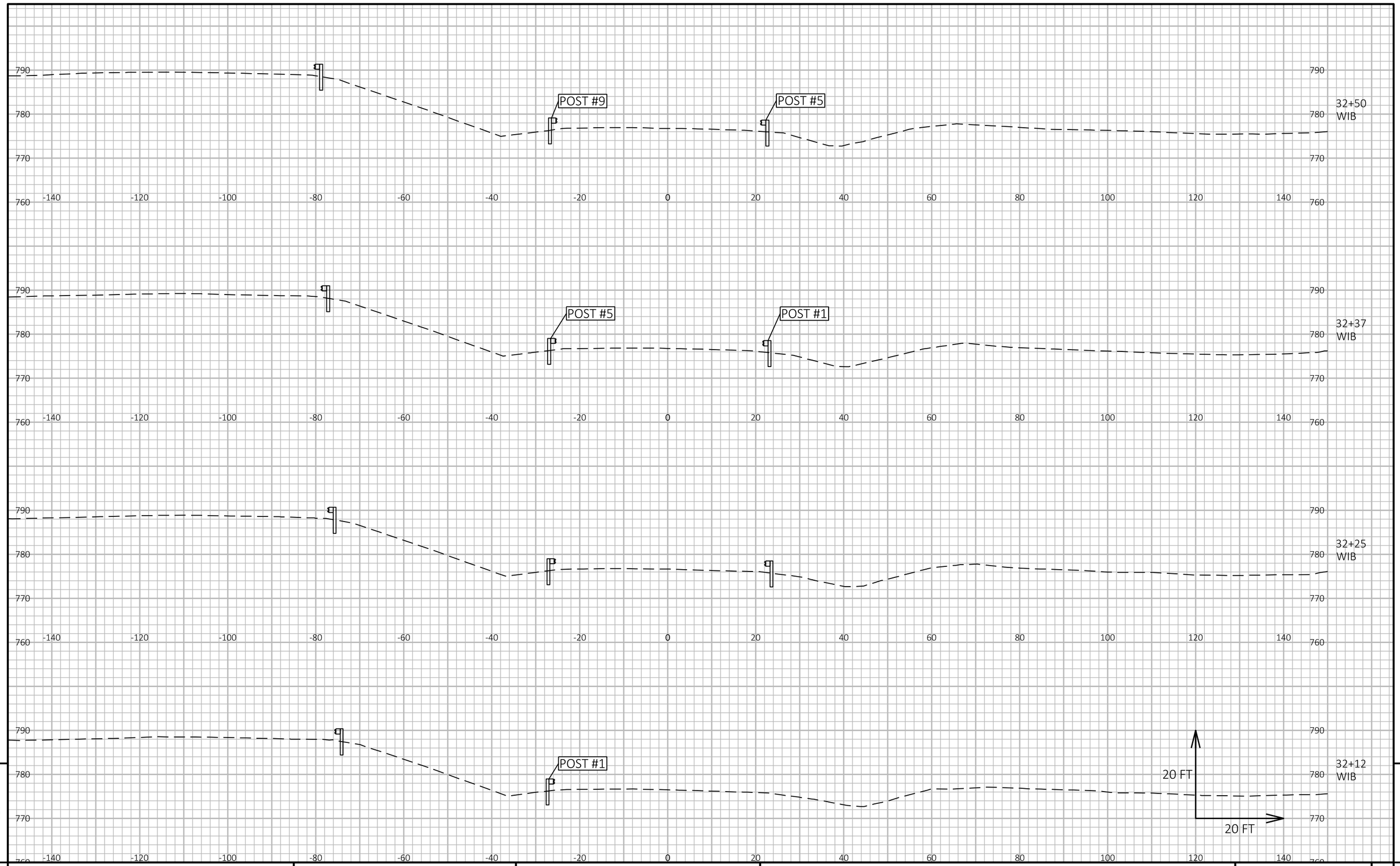
9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP WI-A	SHEET 636	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



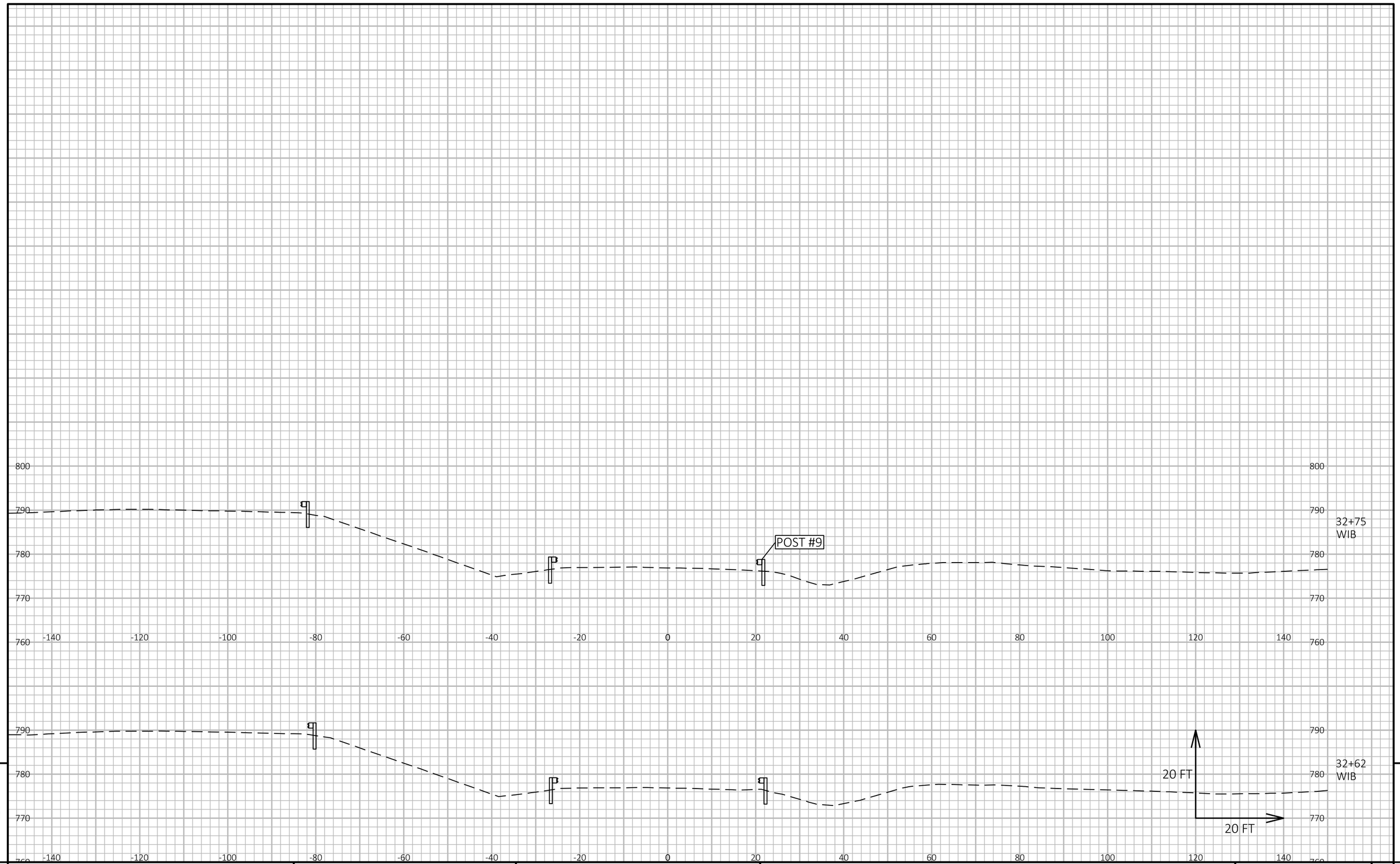
9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP WI-B	SHEET 637	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



9

9

PROJECT NO: 1120-57-60	HWY: IH 41	COUNTY: WINNEBAGO	CROSS SECTIONS: RAMP WI-B	SHEET 638	E

FILE NAME : S:\MAD\1000--1099\1089\991\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 1/5/2023 1:10 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

GRE

NOVEMBER 2023

PROJECT ID: 1517-14-71

WITH: 1120-57-60

COUNTY: WINNEBAGO

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
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 = 46



21

N

DESIGN DESIGNATION

A.A.D.T.	(2022)	=	28,950
A.A.D.T.	(2042)	=	36,580
D.H.V.	(2042)	=	4,207
D.D.		=	61/39
T.		=	9.1%
DESIGN SPEED		=	70 MPH
ESALS		=	N/A

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

- ELECTRIC
- FIBER OPTIC
- GAS
- SANITARY SEWER
- STORM SEWER
- TELEPHONE
- WATER
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V FOX CROSSING, USH 10

COLD SPRING RD N-70-0009

USH 10

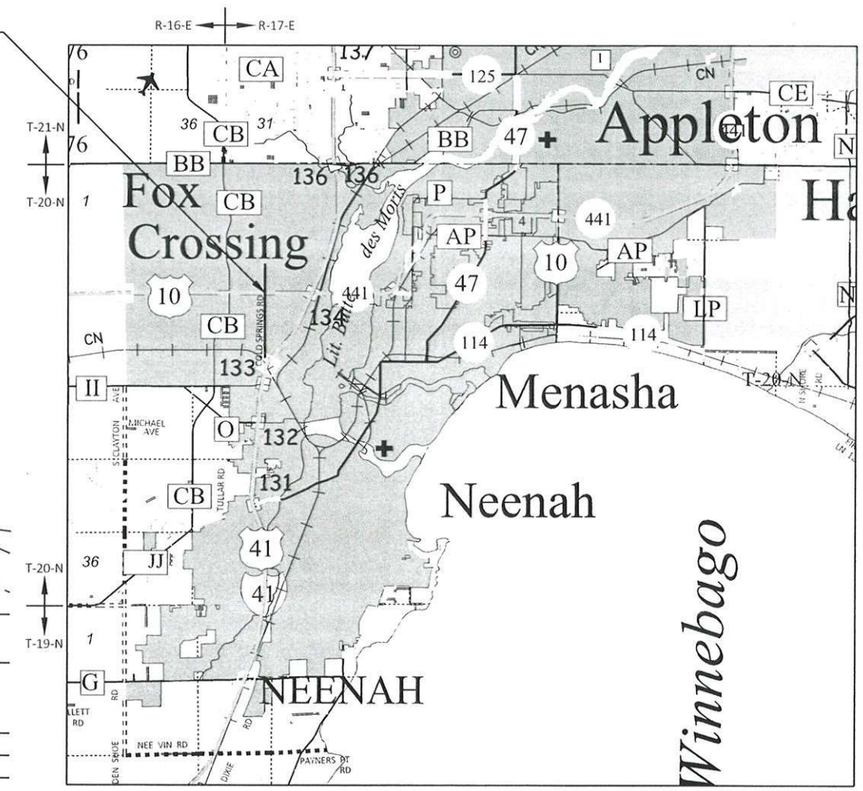
WINNEBAGO COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1517-14-71	WISC 2024013	1

STATE PROJECT NUMBER

1517-14-71

STRUCTURE N-70-0009



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO COUNTY, NAD83 (2012), 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 (2021). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY
STRAND ASSOCIATES, INC.

STRAND ASSOCIATES®

WISCONSIN
SARA J. GRIMME
E-36643
VERONA
WI
PROFESSIONAL ENGINEER

DATE: 5-23-2023 Sara J Grimme
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NE REGION
Designer	STRAND ASSOCIATES, INC.
Project Manager	WILLIAM BERTRAND
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	TAMMY RABE

APPROVED FOR THE DEPARTMENT

DATE: 5/24/2023 William R. Bertrand
(Signature)

E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 5/23/2023 1:37 PM

PLOT BY : GRIMME, SARA

PLOT NAME :

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA WHICH MAY NOT BE SHOWN ON THE PLANS.

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

DNR LIAISON

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

COUNTY HIGHWAY COMMISSIONER

BOB DOEMEL
901 W COUNTY RD Y
OSHKOSH, WI 54901
920-232-1700

NE REGION SURVEY COORDINATOR

CORMAC MCINNIS, RLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920)492-5638
cormac.mcinnis@dot.wi.gov

NE REGION DESIGN PROJECT MANAGER

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

DESIGN CONSULTANT

SARA GRIMME
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
sara.grimme@strand.com

UTILITIES CONTACTS

*ATC

CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
PHONE: (262) 506-6884
EMAIL: CDAILEY@ATCLLC.COM

*AT&T WISCONSIN

KYLE WEBER
221 WEST WASHINGTON STREET
APPLETON, WI 54911
PHONE: (920) 221-5969 (OFFICE)
EMAIL: KW715W@ATT.COM

*FOX CROSSING UTILITIES-SEWER

DAVID TRACEY
2340 AMERICAN DRIVE
NEENAH, WI 54956
PHONE: (920) 720-7175
EMAIL: DTRACEY@FOXCROSSINGWI.GOV

*FOX CROSSING UTILITIES-WATER

DAVID TRACEY
2340 AMERICAN DRIVE
NEENAH, WI 54956
PHONE: (920) 720-7175
EMAIL: DTRACEY@FOXCROSSINGWI.GOV

*LEVEL 3 COMMUNICATIONS LLC

JASON BUSSE
3235 INTERTECH DRIVE SUITE 600
BROOKFIELD, WI 53045
PHONE: (414) 224-6713 (OFFICE)
(715) 415-3214 (MOBILE)
EMAIL: JASON.BUSSE@LUMEN.COM

*SPECTRUM

VINCE ALBIN
3520 DESTINATION DRIVE
APPLETON, WI 54915
PHONE: (920) 831-9249 (OFFICE)
(920) 378-0444 (MOBILE)
EMAIL: VINCE.ALBIN@CHARTER.COM

*TDS METRCOM LLC

JEFF SHAW
P.O. BOX 240
202 OGDEN STREET
MEDFORD, WI 54451
PHONE: (715) 748-6970 (OFFICE)
EMAIL: JEFF.SHAW@TDSTELECOM.COM

*WE ENERGIES - ELECTRIC

ZACH DUGA
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54912
PHONE: (920) 380-3458 (OFFICE)
(920) 450-9314 (MOBILE)
EMAIL: ZACHARY.DUGA@WE-ENERGIES.COM

*WE ENERGIES - GAS

CODY BECKMAN
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
PHONE: (920) 380-3422 (OFFICE)
(920) 428-1038 (MOBILE)
EMAIL: CODY.BECKMAN@WE-ENERGIES.COM

* DENOTES DIGGERS HOTLINE MEMBER

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

2

VILLAGE OF FOX CROSSING

N

COLD SPRING RD

CTH CB

120CS

115CS

W AMERICAN DRIVE

USH 10

USH 10

520 525 530 535 540 545 550 555 560 565 570 575 580 585

530A 535A 540A

110CS

105CS

100CS

BEGIN CONSTRUCTION
STA. 524+00

USH 10 EB ENTRANCE RAMP

END CONSTRUCTION
STA. 560+00

STRUCTURE N-70-0009

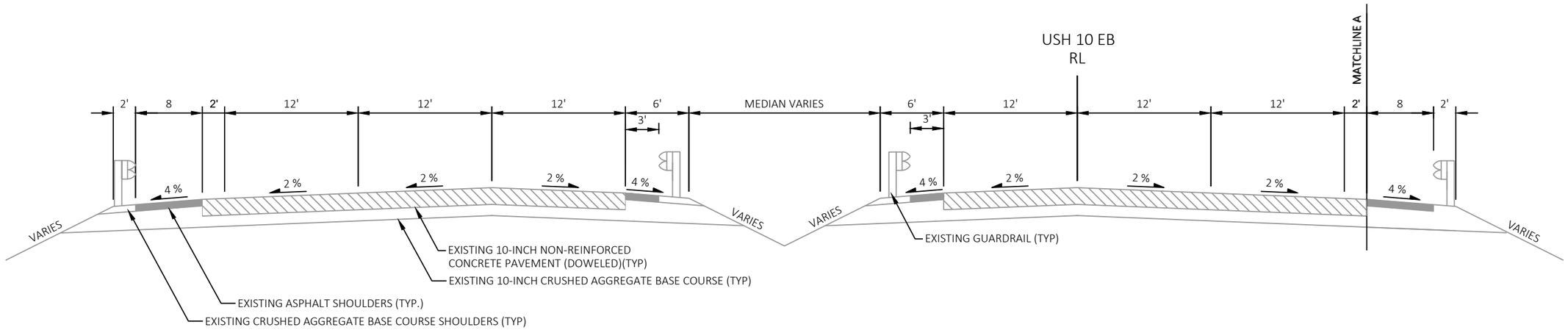
JACOBSEN ROAD

IH 41

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET 3	E

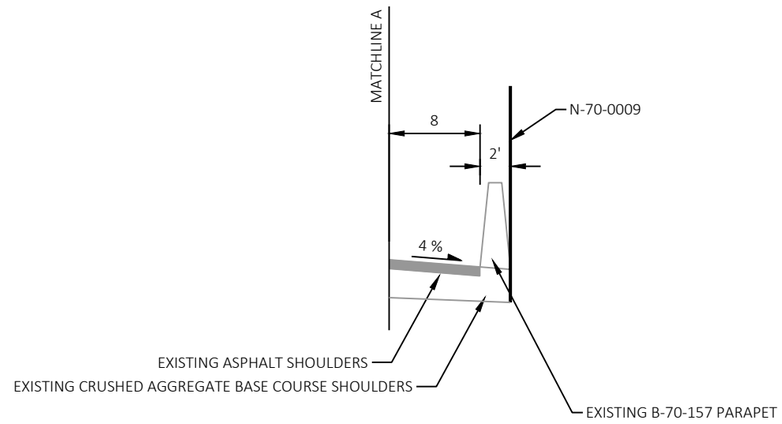
FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 11/10/2022 10:46 AM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

USH 10



PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
PLOT DATE : 12/21/2022 9:23 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

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 = 1.05 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.02 ACRES

2

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	CONSTRUCTION DETAILS	SHEET 5	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 021001_cd
PLOT DATE : 11/10/2022 10:46 AM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

N

COLD SPRING ROAD

CAUTION

CAUTION

CAUTION

FOX CROSSING UTILITIES SEWER

AT&T WISCONSIN

EXISTING R/W

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

AT&T WISCONSIN

EXISTING R/W

SPECTRUM

USH 10 WB

B-70-158

N-70-0009

END CONSTRUCTION
STA. 560+00

550

555

560

USH 10 EB

B-70-157

BEGIN CONSTRUCTION
STA. 524+00

SILT FENCE (TYP.)

LUMEN

TDS METROCOM LLC

FOX CROSSING UTILITIES WATER

EXISTING R/W

EXISTING R/W

AT&T WISCONSIN

WE ENERGIES (ELECTRIC)

CAUTION

WE ENERGIES (GAS)

FOX CROSSING UTILITIES SEWER

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	EROSION CONTROL	SHEET 6	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 12/21/2022 9:28 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

USH 10 WB ENTRANCE RAMP

CTH CB

USH 10 WB EXIT RAMP

N

CAUTION

OH

ATC

USH 10 WB

525

530

535

USH 10 EB

MARKING LINE EPOXY 4-INCH
(DASHED WHITE) (12.5 FT LINE, 37.5 FT GAP)

535

+33.8A, 12.0' RT

USH 10 EB EXIT RAMP

530

USH 10 EB ENTRANCE RAMP

+13.1A, 12.0' RT

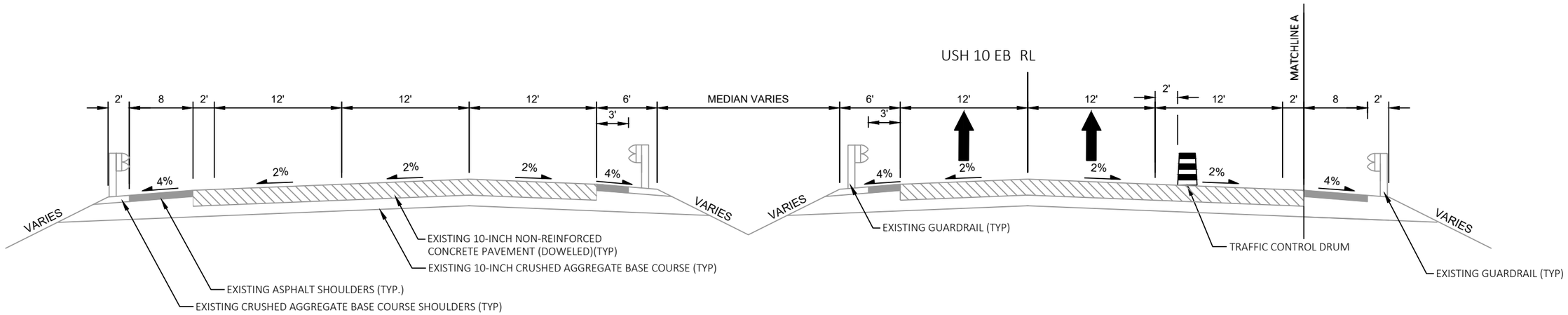
FRIENDSHIP TRAIL

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	PAVEMENT MARKING	SHEET 7	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm

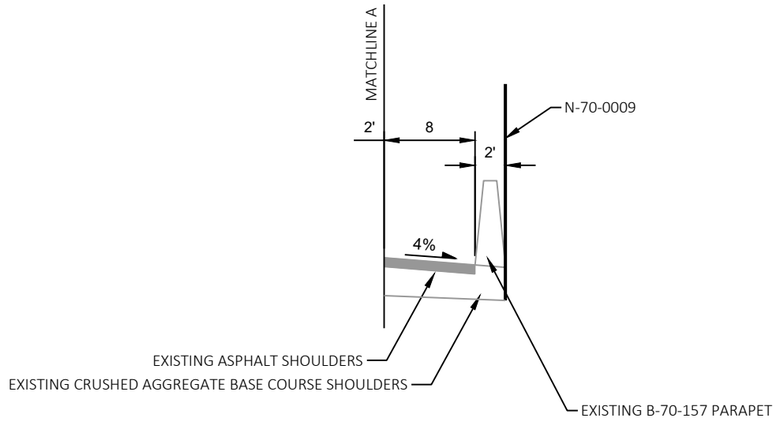
PLOT DATE : 11/10/2022 10:52 AM PLOT BY : SCHAUB, ALEX PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

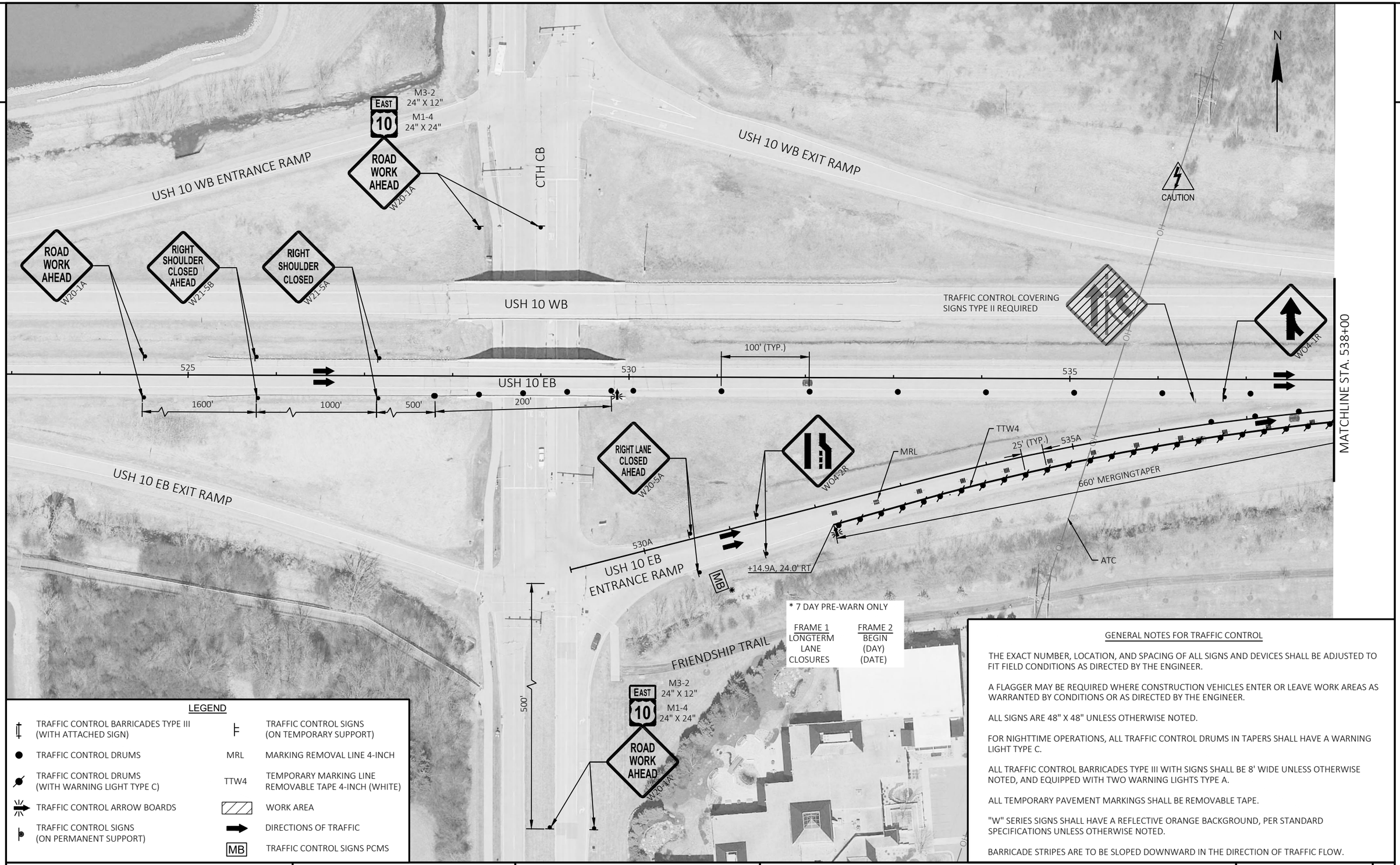


STAGE 1

STA. 550+75 - STA. 560+00 EB



2



LEGEND

TRAFFIC CONTROL BARRICADES TYPE III (WITH ATTACHED SIGN)		TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)	
TRAFFIC CONTROL DRUMS		MRL	MARKING REMOVAL LINE 4-INCH
TRAFFIC CONTROL DRUMS (WITH WARNING LIGHT TYPE C)		TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TRAFFIC CONTROL ARROW BOARDS			WORK AREA
TRAFFIC CONTROL SIGNS (ON PERMANENT SUPPORT)			DIRECTIONS OF TRAFFIC
		MB	TRAFFIC CONTROL SIGNS PCMS

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS AS WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FOR NIGHTTIME OPERATIONS, ALL TRAFFIC CONTROL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT TYPE C.

ALL TRAFFIC CONTROL BARRICADES TYPE III WITH SIGNS SHALL BE 8' WIDE UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO WARNING LIGHTS TYPE A.

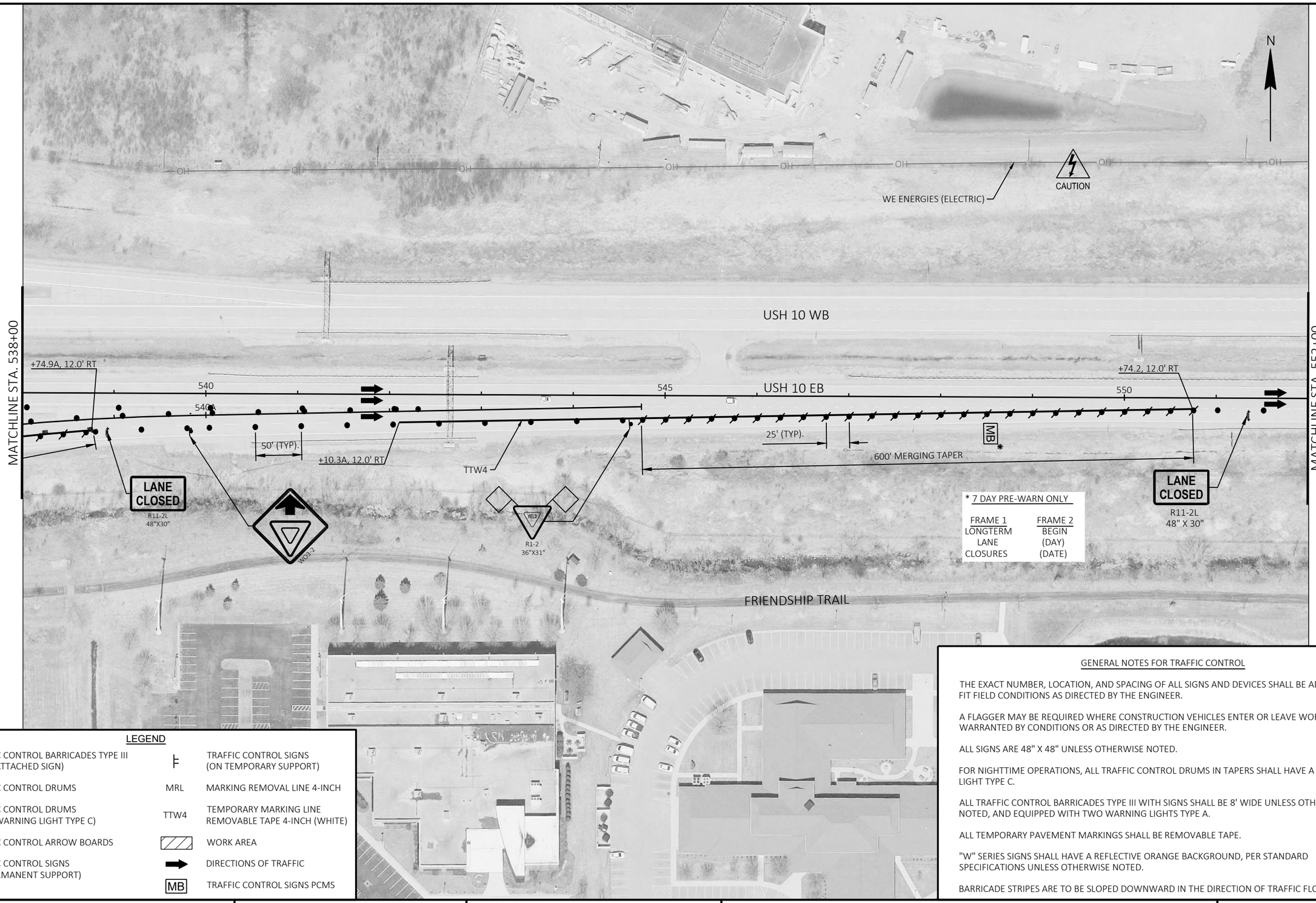
ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVABLE TAPE.

"W" SERIES SIGNS SHALL HAVE A REFLECTIVE ORANGE BACKGROUND, PER STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.

BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	CONSTRUCTION STAGING USH 10 - STAGE 1	SHEET 9	E

2



LEGEND

	TRAFFIC CONTROL BARRICADES TYPE III (WITH ATTACHED SIGN)		TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
	TRAFFIC CONTROL DRUMS	MRL	MARKING REMOVAL LINE 4-INCH
	TRAFFIC CONTROL DRUMS (WITH WARNING LIGHT TYPE C)	TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TRAFFIC CONTROL ARROW BOARDS		WORK AREA
	TRAFFIC CONTROL SIGNS (ON PERMANENT SUPPORT)		DIRECTIONS OF TRAFFIC
		MB	TRAFFIC CONTROL SIGNS PCMS

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS AS WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FOR NIGHTTIME OPERATIONS, ALL TRAFFIC CONTROL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT TYPE C.

ALL TRAFFIC CONTROL BARRICADES TYPE III WITH SIGNS SHALL BE 8' WIDE UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO WARNING LIGHTS TYPE A.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVABLE TAPE.

"W" SERIES SIGNS SHALL HAVE A REFLECTIVE ORANGE BACKGROUND, PER STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.

BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	CONSTRUCTION STAGING USH 10 - STAGE 1	SHEET 10	E

2

WEST AMERICAN DRIVE

N

SIDEWALK CLOSED
R9-9
24" X 12"

CAUTION

115CS

AT&T WISCONSIN

AT&T WISCONSIN

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

COLD SPRING ROAD

SPECTRUM

USH 10 WB

50' (TYP.)

555

560

USH 10 EB

565

END ROAD WORK
G20-2A
48" X 24"

MATCHLINE STA. 552+00

110CS

N-70-0009

LUMEN

SIDEWALK CLOSED
R9-9
24" X 12"

TDS METROCOM LLC

FRIENDSHIP TRAIL

AT&T WISCONSIN

WE ENERGIES (ELECTRIC)

LEGEND

	TRAFFIC CONTROL BARRICADES TYPE III (WITH ATTACHED SIGN)		TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)
	TRAFFIC CONTROL DRUMS	MRL	MARKING REMOVAL LINE 4-INCH
	TRAFFIC CONTROL DRUMS (WITH WARNING LIGHT TYPE C)	TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	TRAFFIC CONTROL ARROW BOARDS		WORK AREA
	TRAFFIC CONTROL SIGNS (ON PERMANENT SUPPORT)		DIRECTIONS OF TRAFFIC
		MB	TRAFFIC CONTROL SIGNS PCMS

SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR WORK OCCURRING OVER COLD SPRING ROAD IN EITHER DIRECTION.

* FOR USE DURING FLAGGING OF SB COLD SPRING ROAD MULTI-USE PATH TO REMAIN OPEN AT ALL OTHER TIMES. PEDESTRIAN DETOUR SIGNING TO BE INSTALLED BY VILLAGE OF FOX CROSSING DURING MULTI-USE PATH CLOSURES.

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS AS WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FOR NIGHTTIME OPERATIONS, ALL TRAFFIC CONTROL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT TYPE C.

ALL TRAFFIC CONTROL BARRICADES TYPE III WITH SIGNS SHALL BE 8' WIDE UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO WARNING LIGHTS TYPE A.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVABLE TAPE.

"W" SERIES SIGNS SHALL HAVE A REFLECTIVE ORANGE BACKGROUND, PER STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.

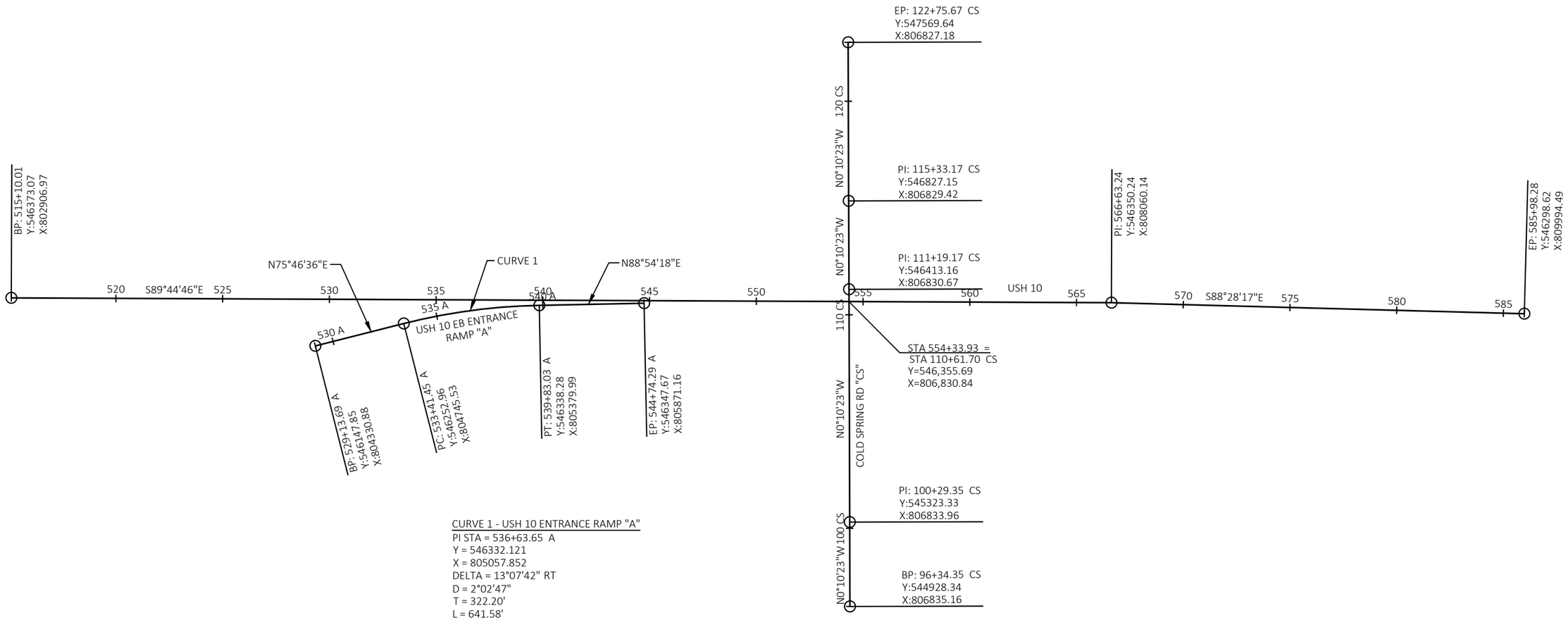
BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	CONSTRUCTION STAGING USH 10 - STAGE 1	SHEET 11	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\026101-S1.DWG
LAYOUT NAME - 026103_s1
PLOT DATE : 5/4/2023 3:39 PM PLOT BY : EDERER, BRAD PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

N



CURVE 1 - USH 10 ENTRANCE RAMP "A"
PI STA = 536+63.65 A
Y = 546332.121
X = 805057.852
DELTA = 13°07'42" RT
D = 2°02'47"
T = 322.20'
L = 641.58'
R = 2800.00'
PC STA = 533+41.45 A
Y = 546252.956
X = 804745.529
PT STA = 539+83.03 A
Y = 546338.278
X = 805379.992
DB = N75°46'36"E
DA = N88°54'18"E

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	ALIGNMENT DETAILS	SHEET 12	E

FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 11/10/2022 10:48 AM
PLOT BY : SCHAUB, ALEX
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

1517-14-71

Line	Item	Item Description	Unit	Total	Qty
0014	203.0220	Removing Structure (structure) 03. N-70-0009	EACH	1.000	1.000
0074	213.0100	Finishing Roadway (project) 02. 1517-14-71	EACH	1.000	1.000
0130	504.0500	Concrete Masonry Retaining Walls	CY	9.000	9.000
0140	506.0605	Structural Steel HS	LB	3,776.000	3,776.000
0166	517.0601	Painting Epoxy System (structure) 01. N-70-0009	EACH	1.000	1.000
0172	517.3001.S	Structure Overcoating Cleaning and Priming (structure) 01. N-70-0009	EACH	1.000	1.000
0174	517.4001.S	Containment and Collection of Waste Materials (structure) 01. N-70-0009	EACH	1.000	1.000
0176	517.6001.S	Portable Decontamination Facility	EACH	1.000	1.000
0258	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1517-14-71	EACH	1.000	1.000
0260	619.1000	Mobilization	EACH	0.020	0.020
0268	628.1504	Silt Fence	LF	500.000	500.000
0270	628.1520	Silt Fence Maintenance	LF	1,000.000	1,000.000
0272	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0274	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0296	642.5401	Field Office Type D	EACH	0.020	0.020
0298	643.0300	Traffic Control Drums	DAY	2,700.000	2,700.000
0300	643.0420	Traffic Control Barricades Type III	DAY	60.000	60.000
0302	643.0705	Traffic Control Warning Lights Type A	DAY	120.000	120.000
0304	643.0715	Traffic Control Warning Lights Type C	DAY	1,260.000	1,260.000
0306	643.0800	Traffic Control Arrow Boards	DAY	60.000	60.000
0308	643.0900	Traffic Control Signs	DAY	750.000	750.000
0312	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000
0316	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0324	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	1,285.000	1,285.000
0338	643.5000	Traffic Control	EACH	0.020	0.020
0346	646.1020	Marking Line Epoxy 4-Inch	LF	113.000	113.000
0382	646.9000	Marking Removal Line 4-Inch	LF	105.000	105.000
0402	650.6501	Construction Staking Structure Layout (structure) 10. N-70-0009	EACH	1.000	1.000
0452	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	100.000	100.000
0454	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	200.000	200.000
0474	SPV.0090	Special 05. Foundation Drilling 42-Inch Diameter	LF	28.000	28.000
0478	SPV.0165	Special 01. Noise Barriers Double-Sided Sound Absorptive N-70-0009	SF	1,890.000	1,890.000

3

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	1517-14-71	1

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0010	1517-14-71	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	1517-14-71	0.02

SILT FENCE

CATEGORY	STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	552+58	-	554+00	USH 10 EB, RT	250	500
	554+60	-	555+99	USH 10 EB, RT	250	500
				TOTALS	500	1,000

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	1	1	1

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	1517-14-71	0.02

TRAFFIC CONTROL PROJECT

CATEGORY	PROJECT	643.5000 EACH
0010	1517-14-71	0.02

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	DURATION DAYS	LOCATION	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY
0010	1	30	USH 10	14	420	1	30	2	60	0	0	1	30	19	570
		30	USH 10 EB ENTRANCE RAMP	76	2,280	1	30	2	60	42	1,260	1	30	6	180
			TOTALS		2,700		60		120		1,260		60		750

TRAFFIC CONTROL COVERING SIGNS SUMMARY

CATEGORY	STAGE	LOCATION	NUMBER OF CYCLES	NUMBER OF SIGNS	643.0920 TYPE II EACH
0010	1	USH 10 EB ENTRANCE RAMP	1	1	1

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	STAGE	DURATION	LOCATION	643.1050 EACH	643.1050 DAY
0010	1	7 DAYS	USH 10 EB	1	7
	1	7 DAYS	USH 10 EB ENTRANCE RAMP	1	7
				TOTAL	14

MARKING REMOVAL LINE 4-INCH

CATEGORY	STAGE	STATION	-	STATION	LOCATION	DESCRIPTION	646.9000 LF
0010	1	532+15 A	-	536+35 A	RT	CENTERLINE	105

MARKING LINE EPOXY 4-INCH

CATEGORY	STATION	-	STATION	LOCATION	646.1020 (WHITE) LF
0010	532+13.1 A	-	536+33.8 A	CENTERLINE	113

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH

CATEGORY	STAGE	STATION	-	STATION	LOCATION	643.3150 (WHITE) LF
0010	1	532+14.9 A	-	536+35.5 A	MERGING TAPER, RT	421
		542+10.3 A	-	550+74.2 A	MERGING TAPER, RT	864
					TOTAL	1,285

CONSTRUCTION STAKING STRUCTURE LAYOUT

CATEGORY	STRUCTURE	EACH	REMARKS
0010	N-70-0009	1	650.6501.01

5

5

CAUTION

FOX CROSSING UTILITIES SEWER

AT&T WISCONSIN

CAUTION

EXISTING R/W

WE ENERGIES (ELECTRIC)

COLD SPRING ROAD

WE ENERGIES (GAS)

AT&T WISCONSIN

EXISTING R/W

N

SPECTRUM

USH 10 WB

B-70-158

END CONSTRUCTION
STA. 560+00

550

555

560

USH 10 EB

B-70-157

BEGIN CONSTRUCTION
STA. 524+00

LUMEN

N-70-0009

TDS METROCOM LLC

FOX CROSSING UTILITIES WATER

EXISTING R/W

EXISTING R/W

AT&T WISCONSIN

WE ENERGIES (ELECTRIC)

CAUTION

WE ENERGIES (GAS)

FOX CROSSING UTILITIES SEWER

PROJECT NO: 1517-14-71	HWY: USH 10	COUNTY: WINNEBAGO	PLAN	SHEET 15	E

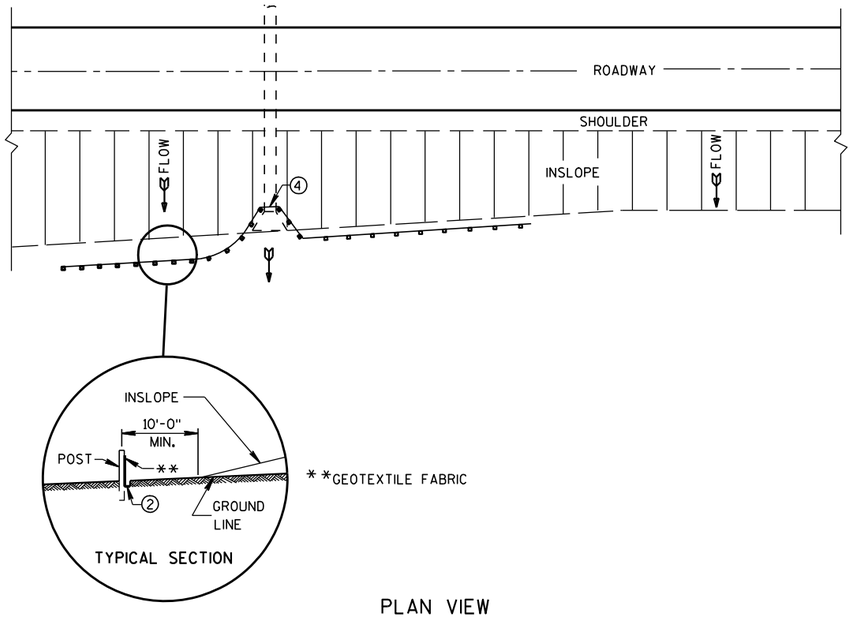
FILE NAME : S:\MAD\1000--1099\1089\994\DRAWINGS\CAD\15171471\SHEETSPLAN\050201-PN.DWG
LAYOUT NAME - 050201-pn

PLOT DATE : 12/21/2022 9:49 AM PLOT BY : GRIMME, SARA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

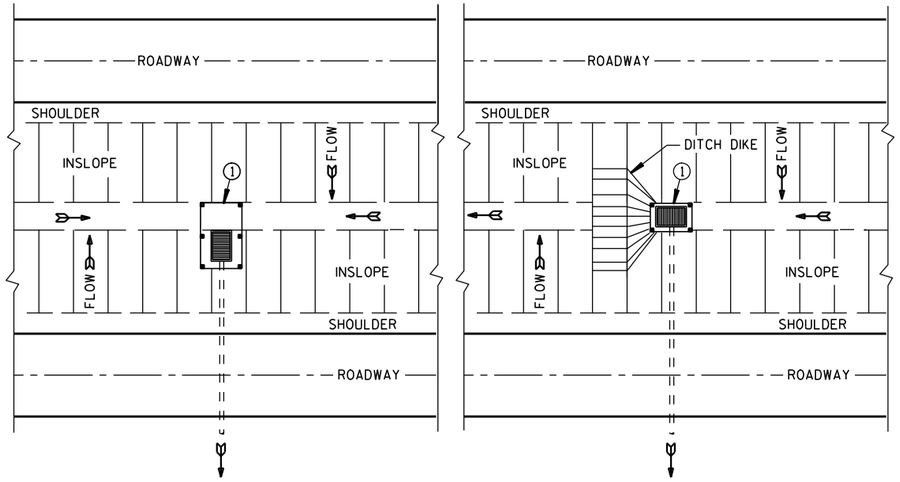
Standard Detail Drawing List

08E09-06	SILT FENCE
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

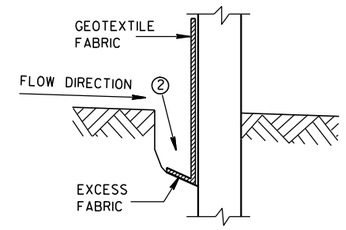
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

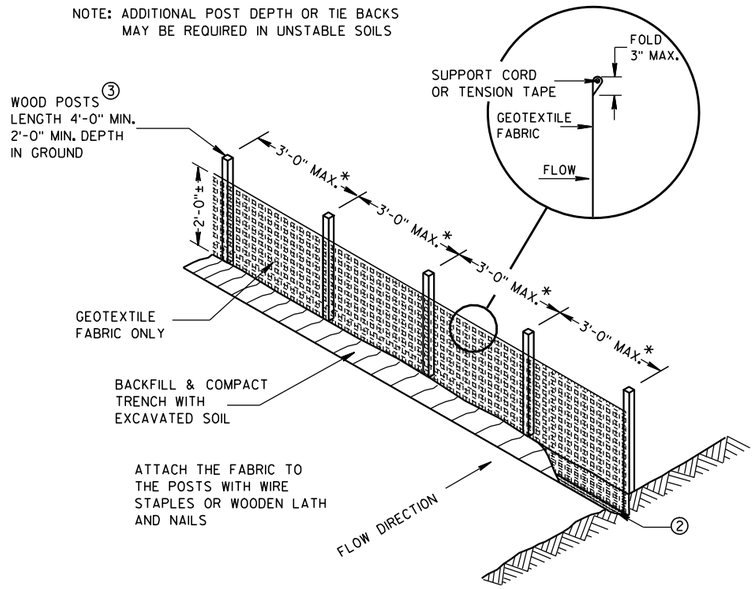
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

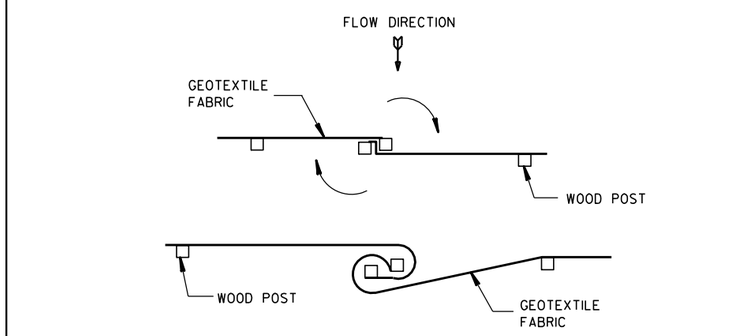
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



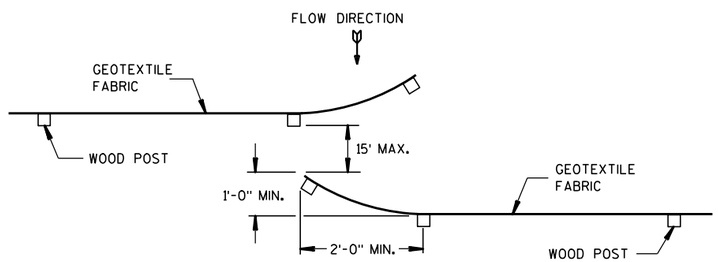
TRENCH DETAIL



SILT FENCE

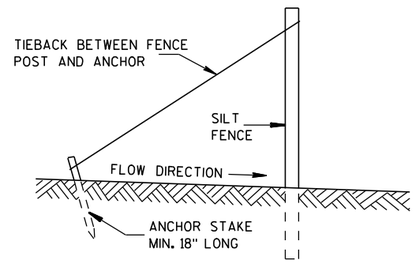


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

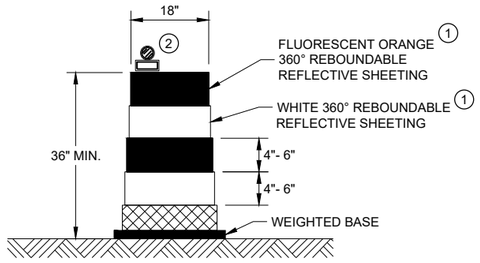
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6

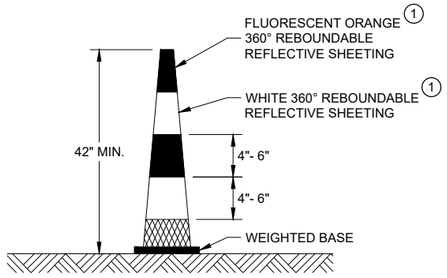
GENERAL NOTES

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



DRUM

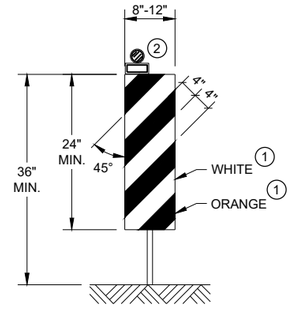
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

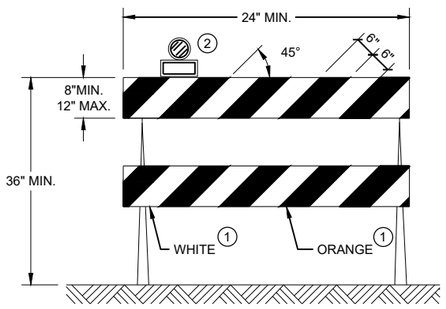
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



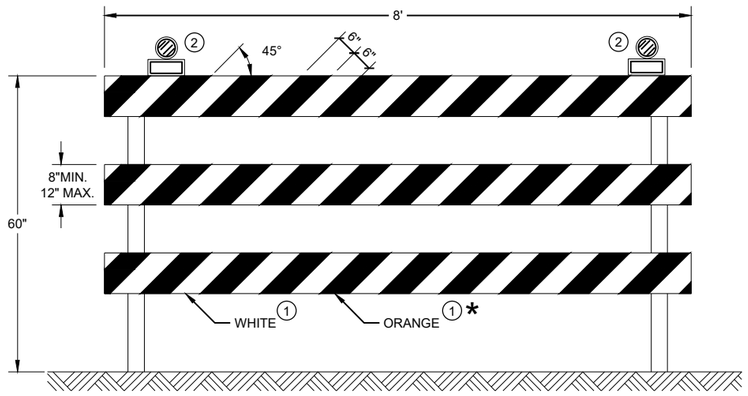
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b
SDD 15C11 - 10b

LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

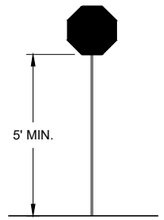
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

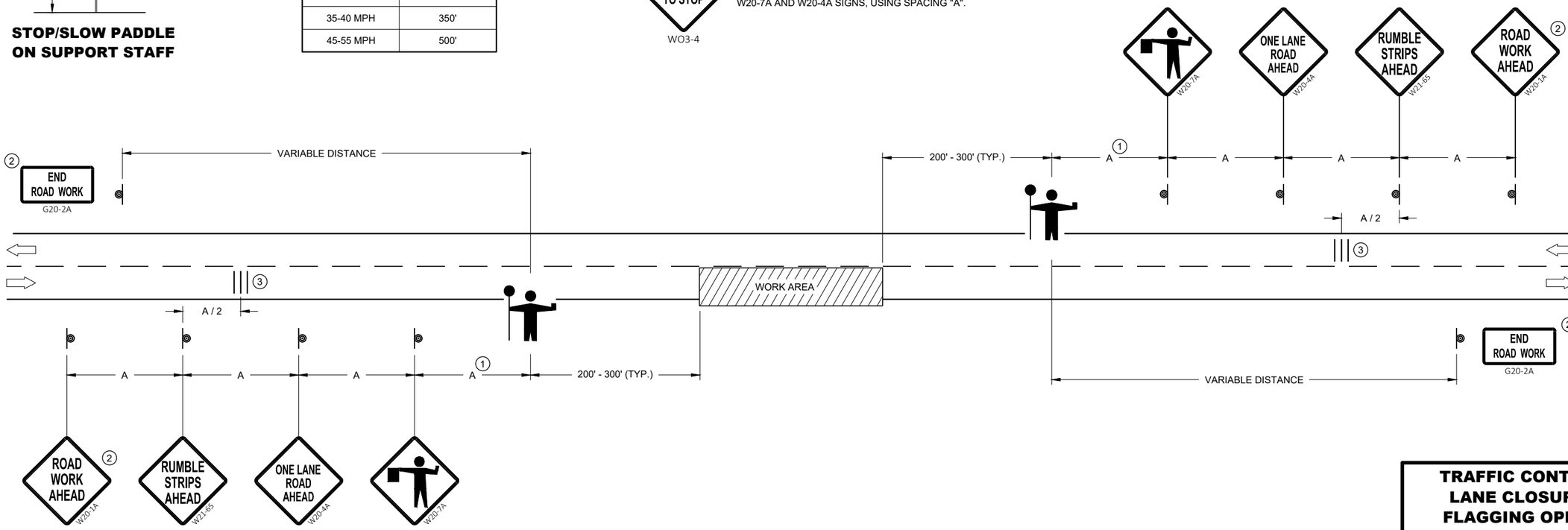
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

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.

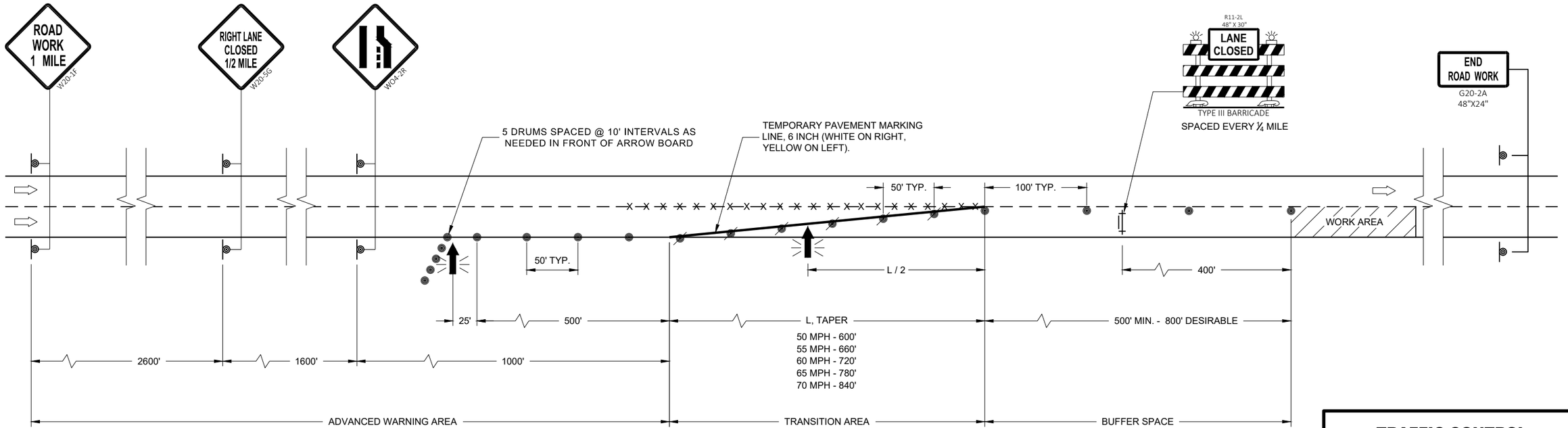
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D12 - 11a

6

SDD 15D12 - 11a

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.

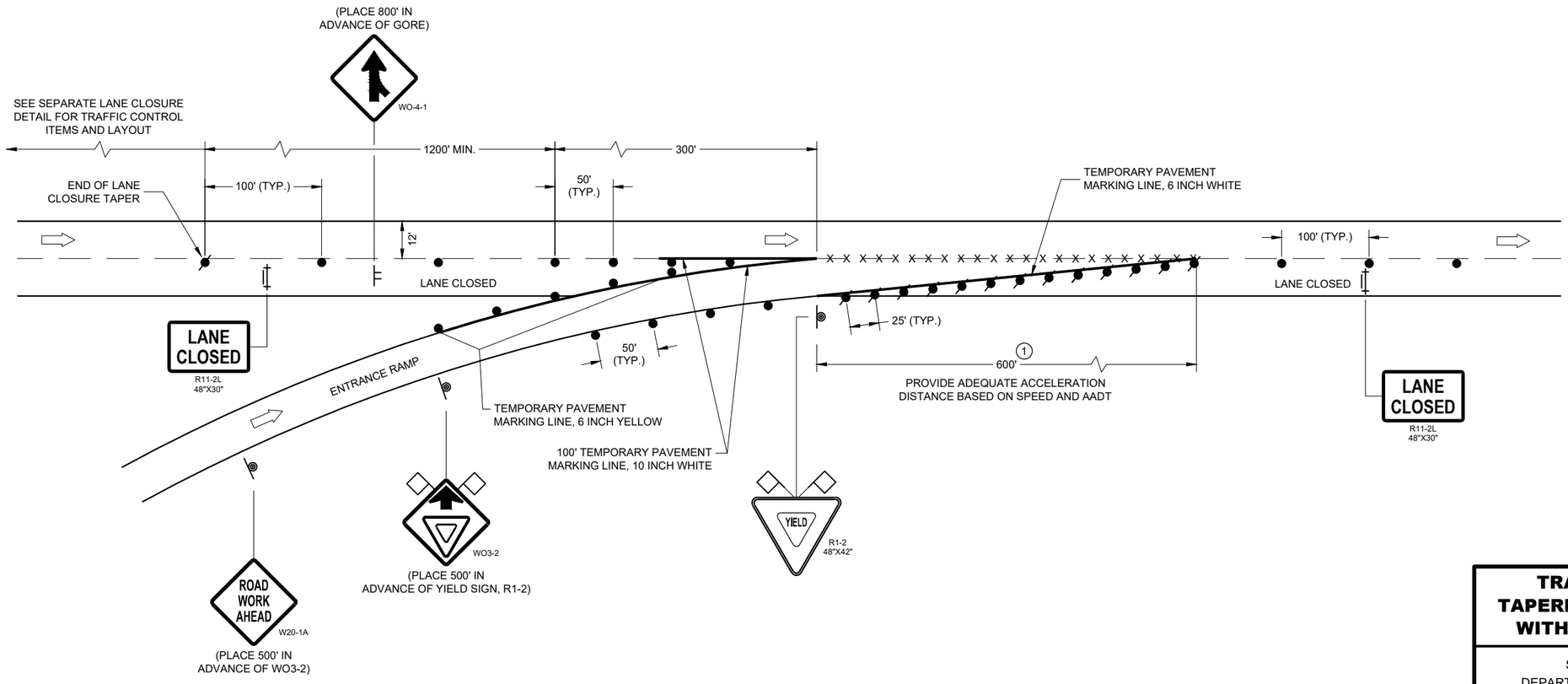
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

6

SDD 15D15-07c

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.

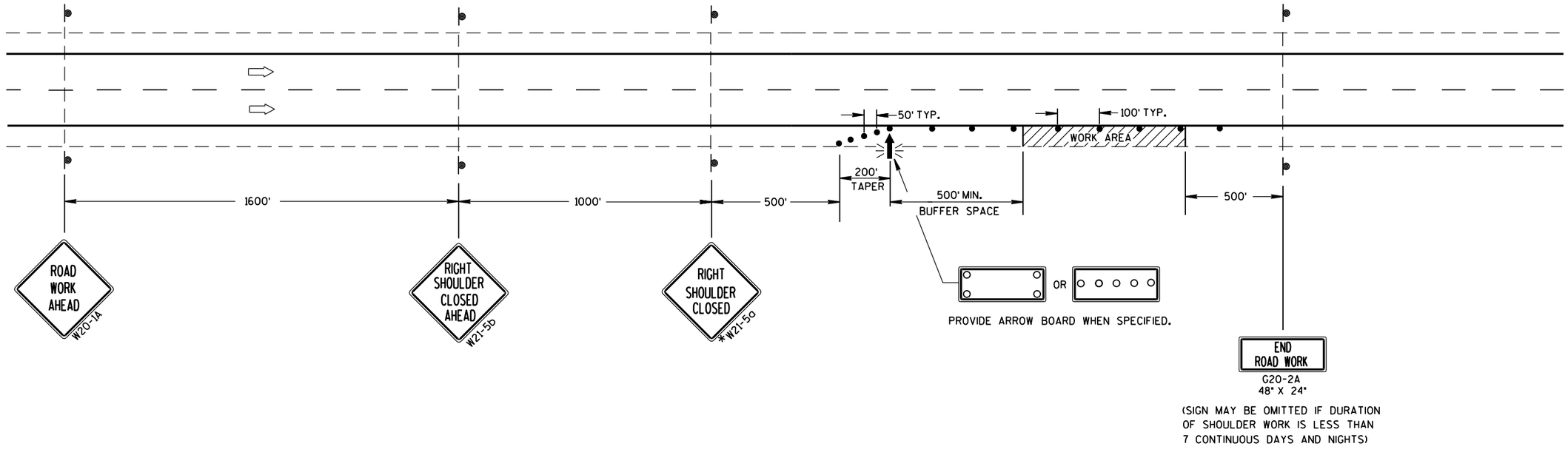
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

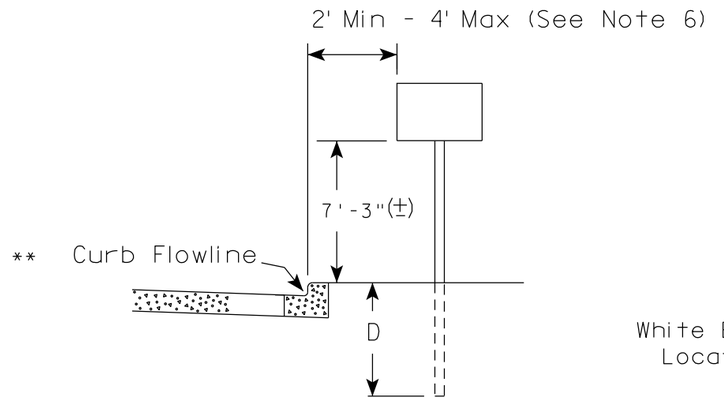
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

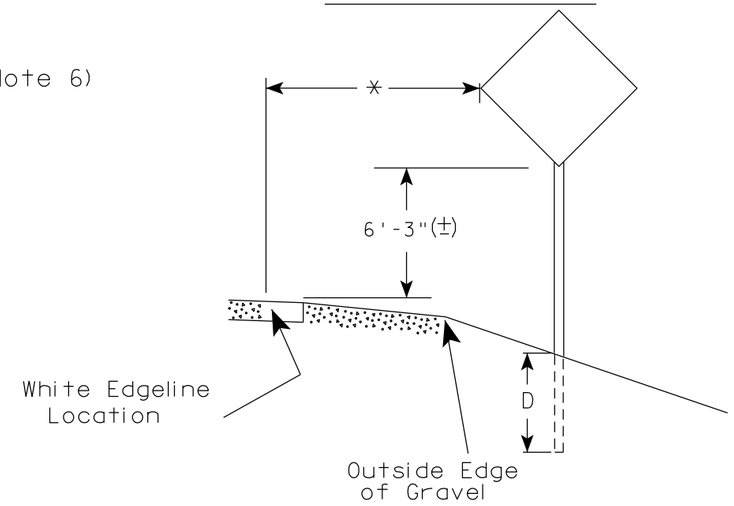
6

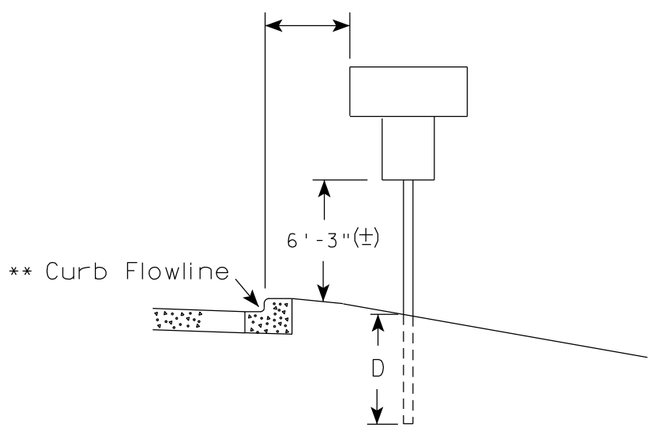
S.D.D. 15 D 27-3

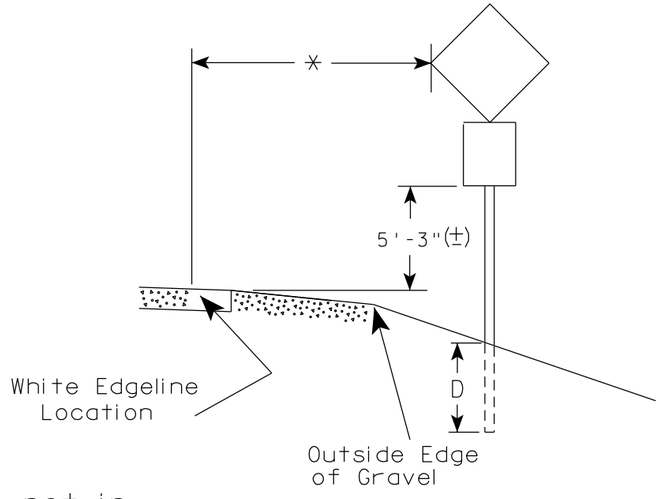
URBAN AREA



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.

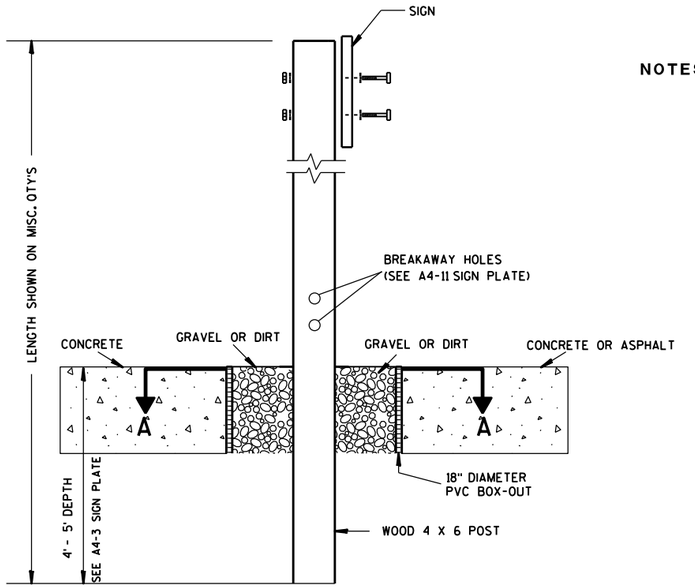
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

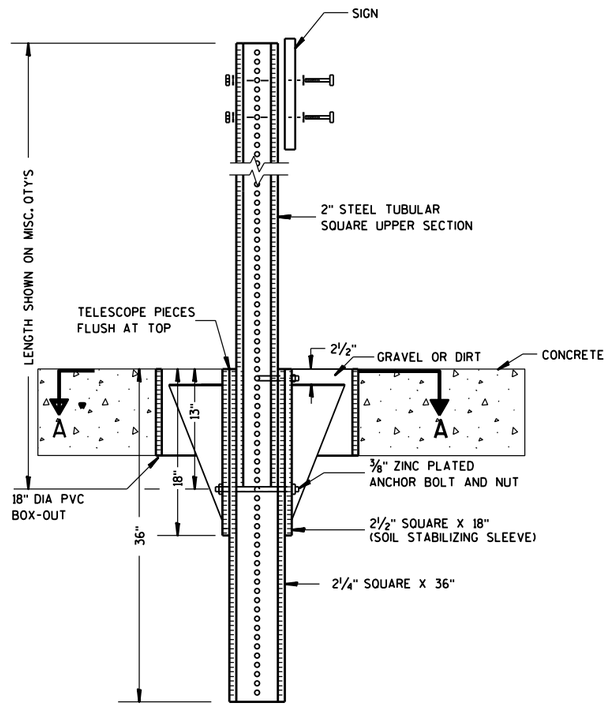
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 23	E



ELEVATION VIEW

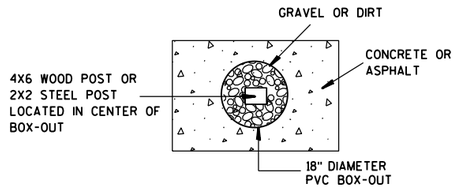
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

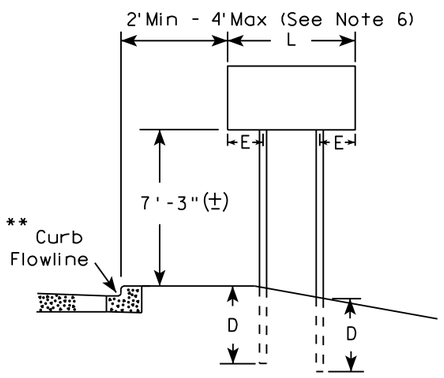
APPROVED Matthew R Rauch
for State Traffic Engineer

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

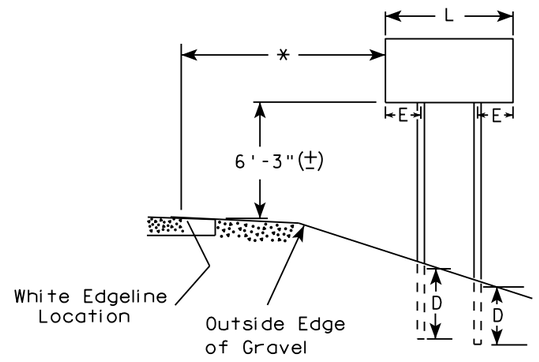
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

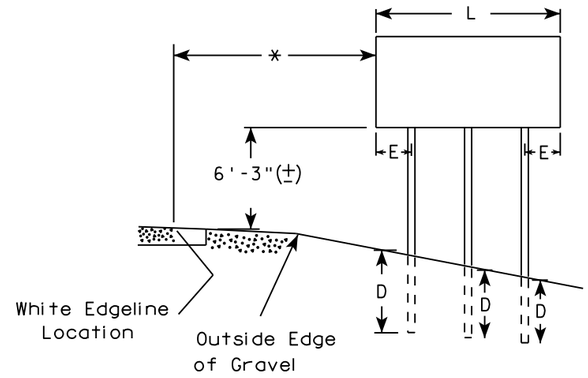
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

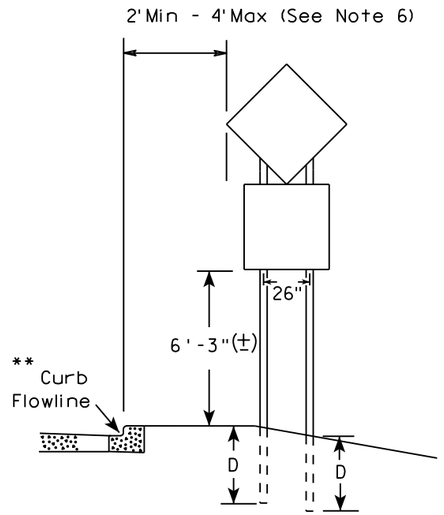
URBAN AREA



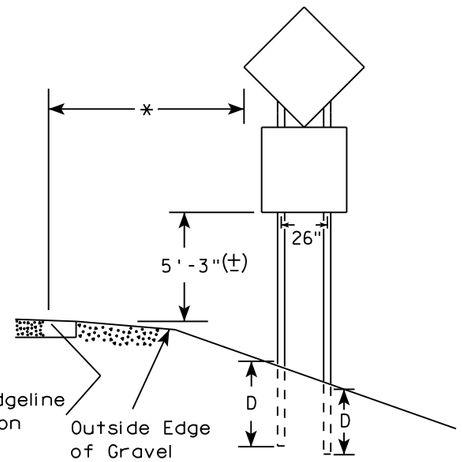
RURAL AREA (See Note 3)







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

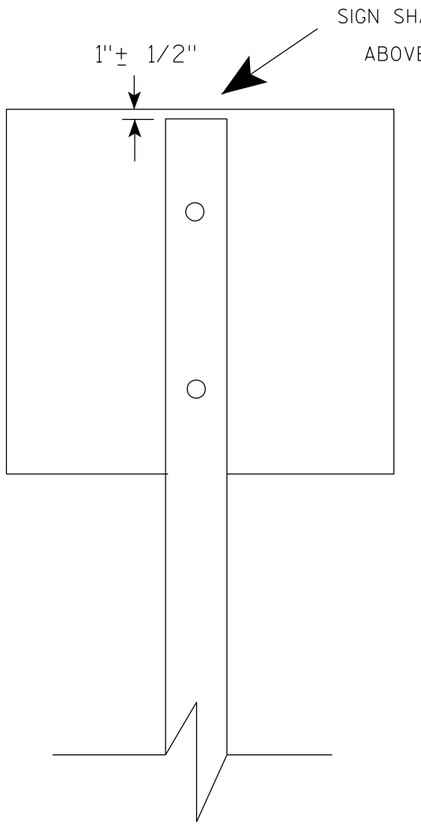
APPROVED Matthew R Rauch
For State Traffic Engineer

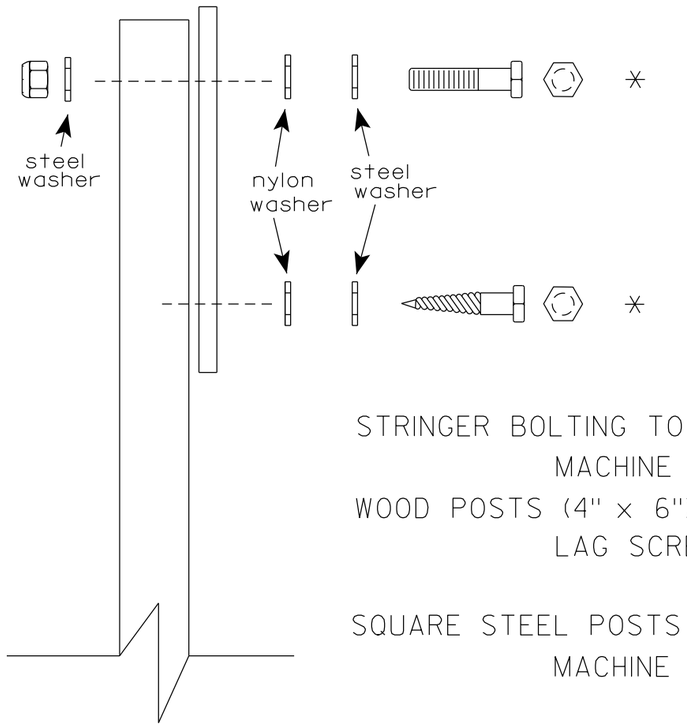
DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 25 | E





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

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

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

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

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

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

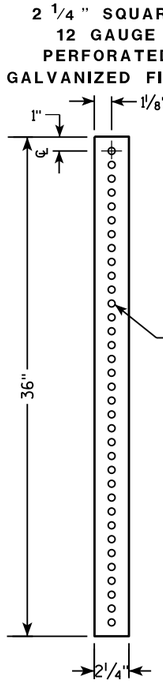
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

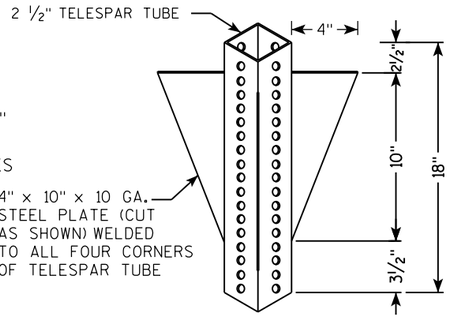
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

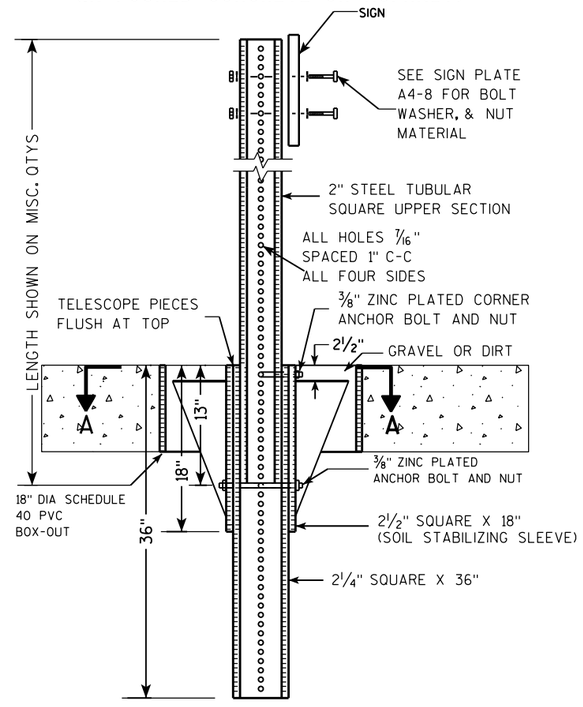
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



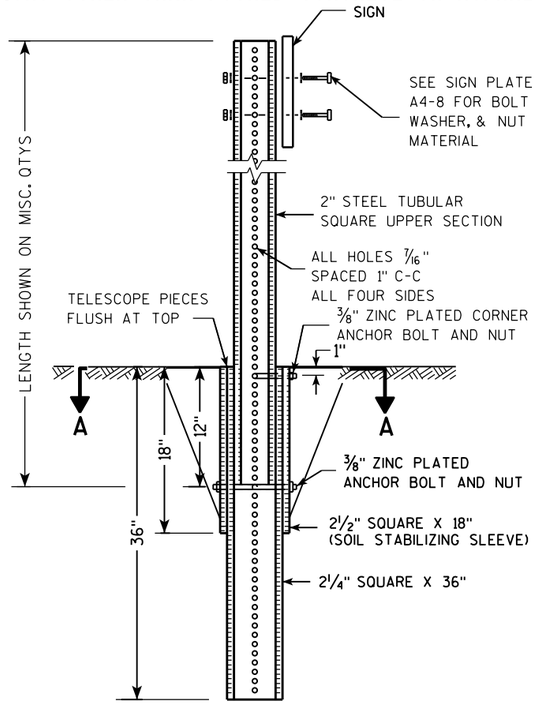
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

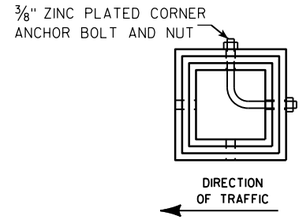


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

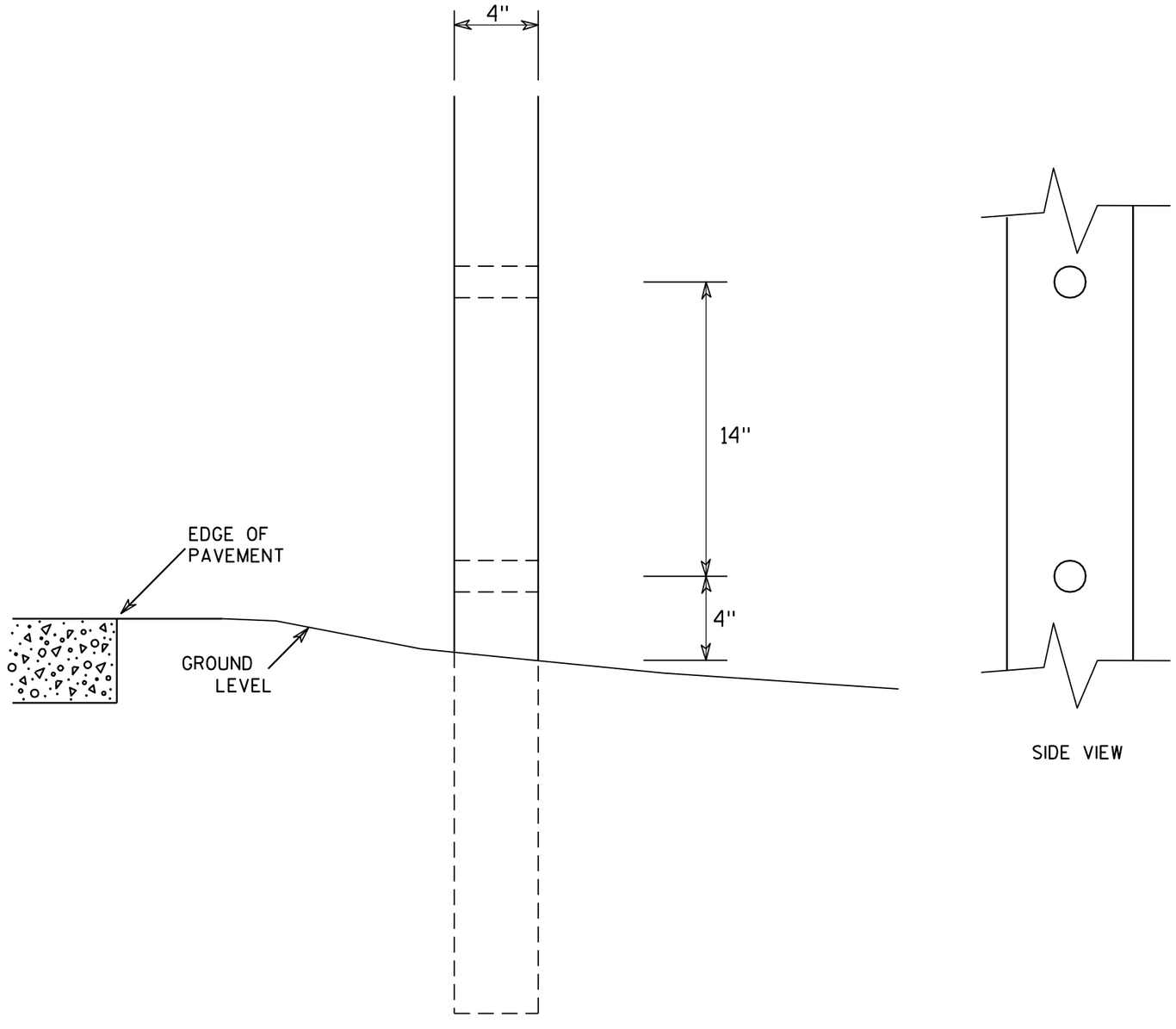
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 27 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

7

7

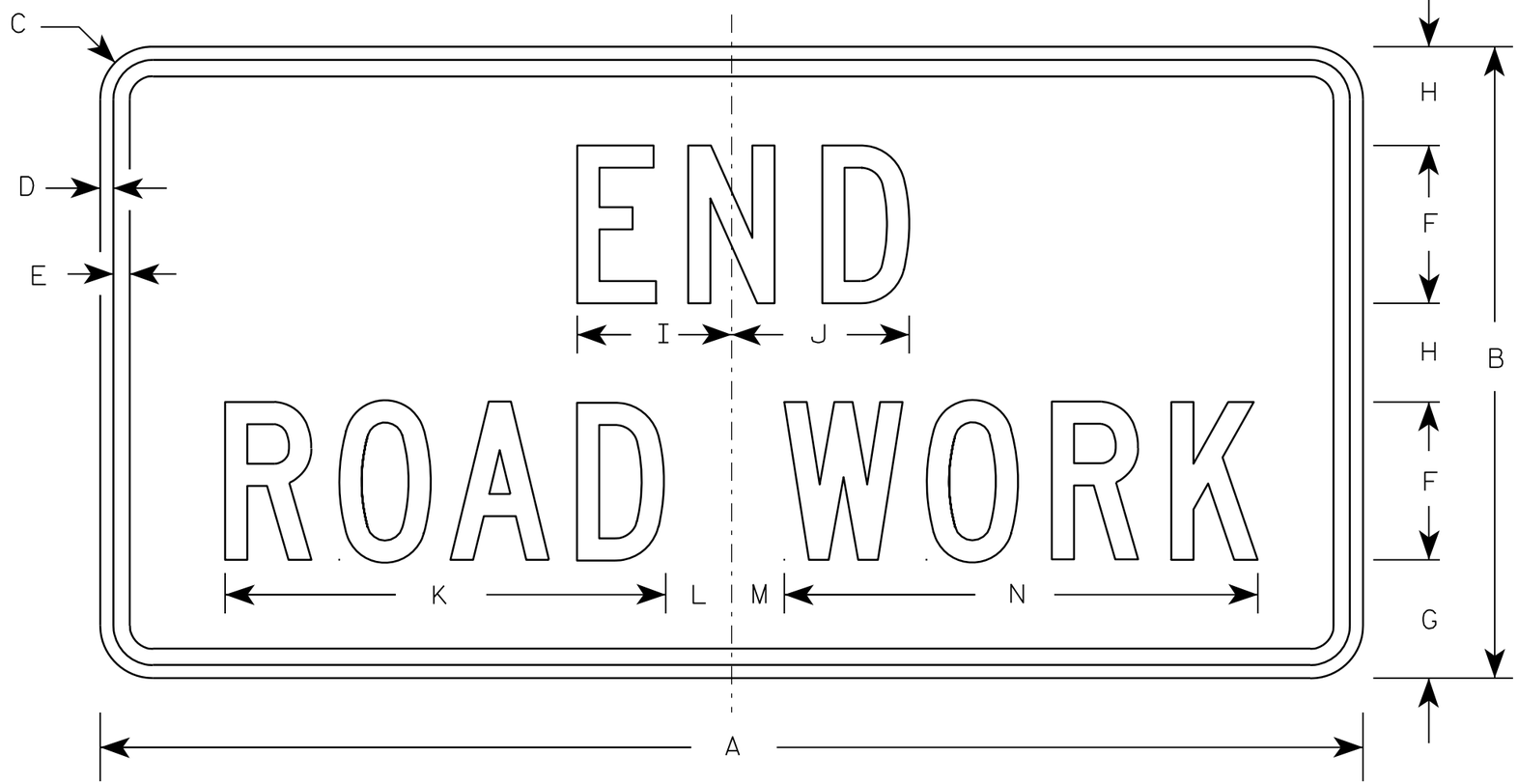
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 28	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

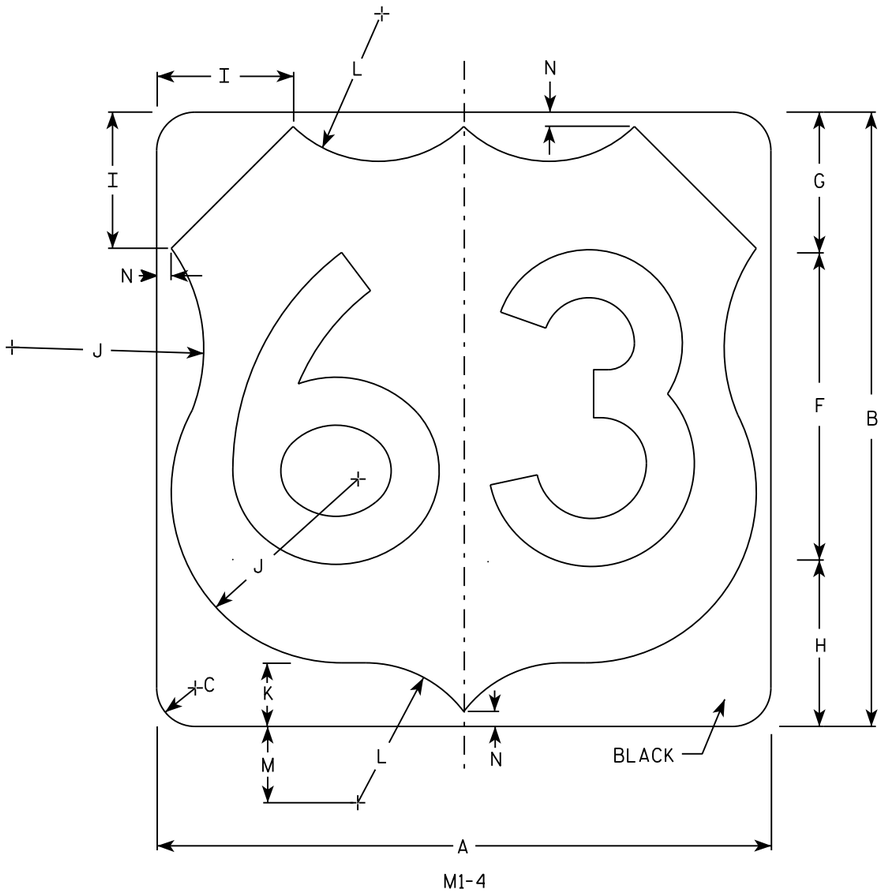
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

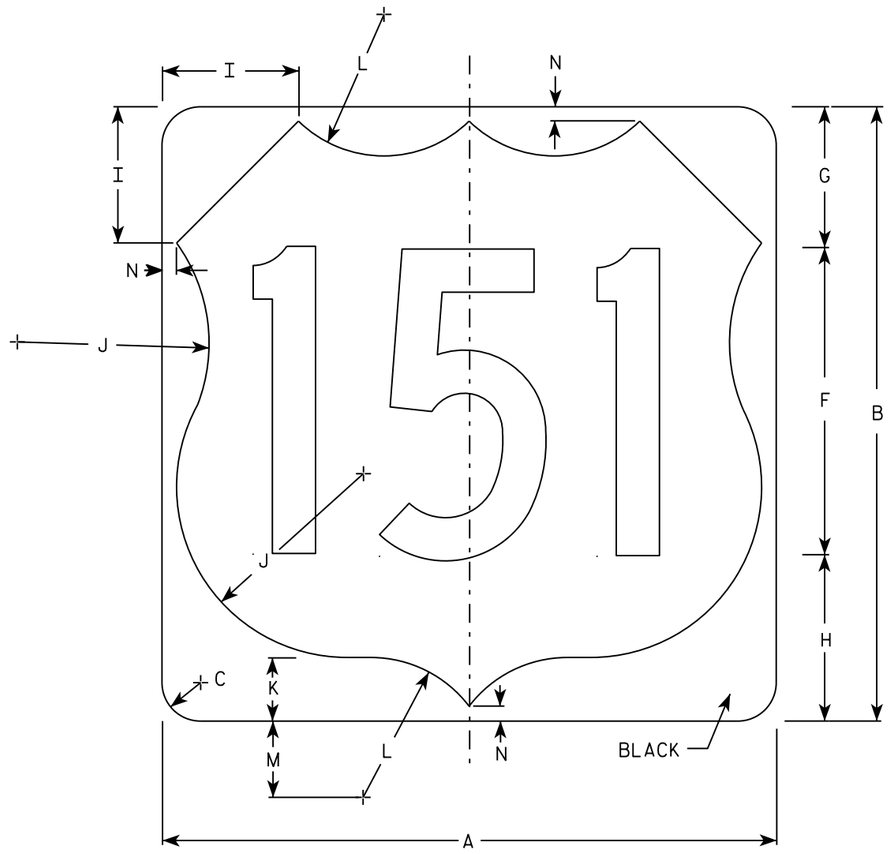
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 29	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
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

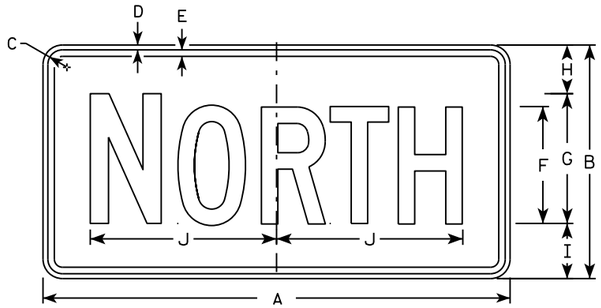
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

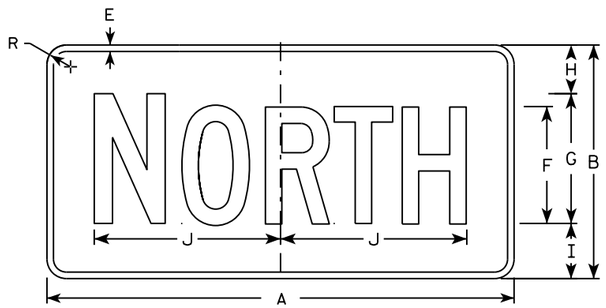
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 30	E



M3-1
MM3-1
MP3-1



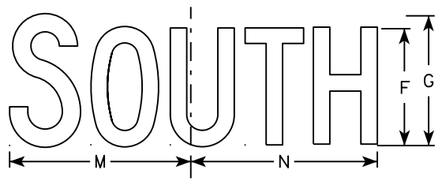
MB3-1
MK3-1
MN3-1



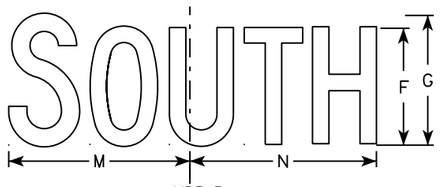
M3-2
MM3-2
MP3-2



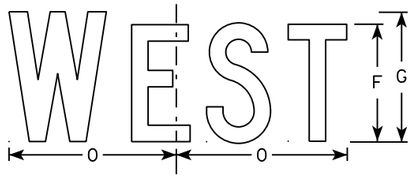
MB3-2
MK3-2
MN3-2



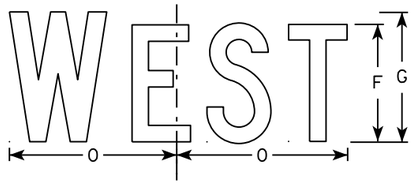
M3-3
MM3-3
MP3-3



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

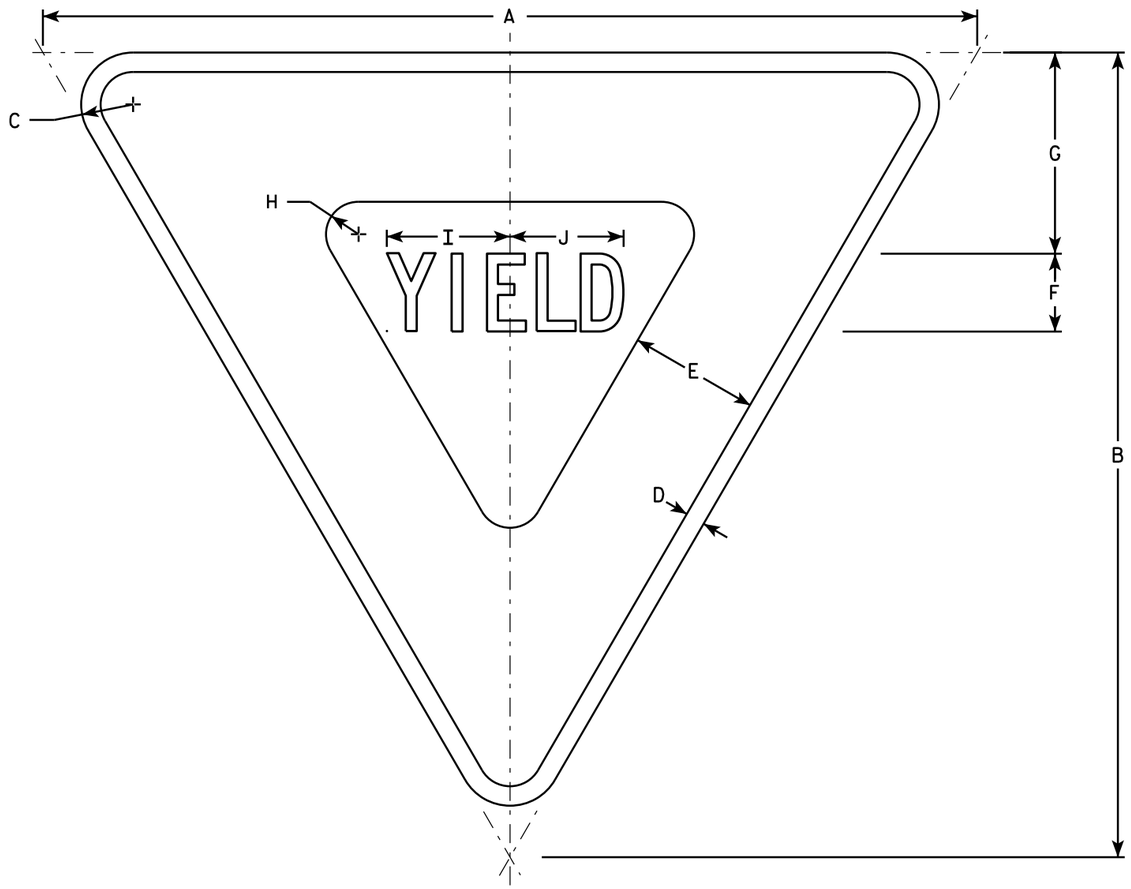
WISCONSIN DEPT OF TRANSPORTATION

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



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

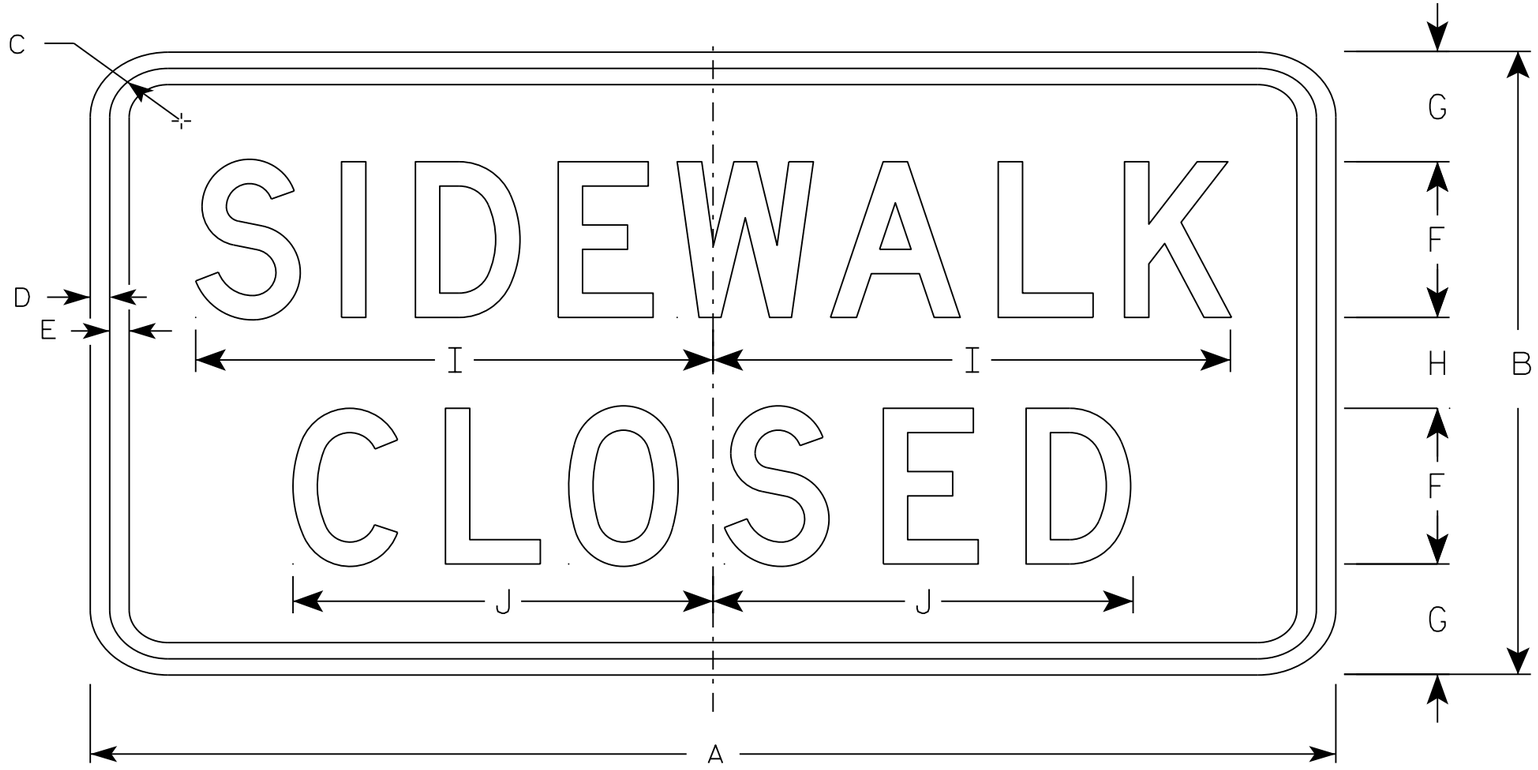
WISCONSIN DEPT OF TRANSPORTATION

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



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

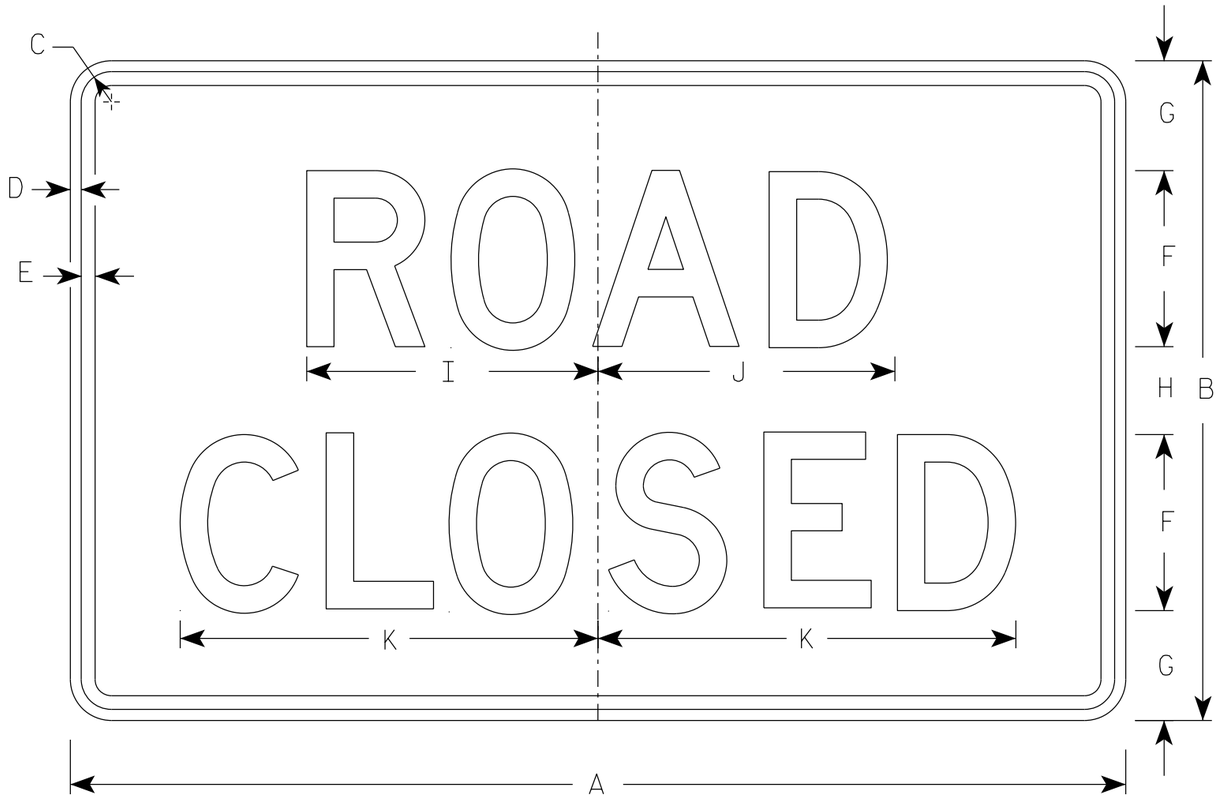
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 33 R9-9.6

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

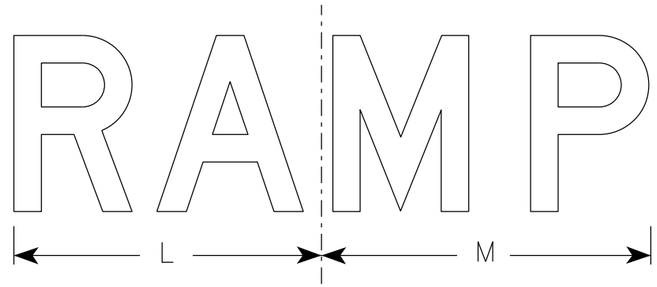
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



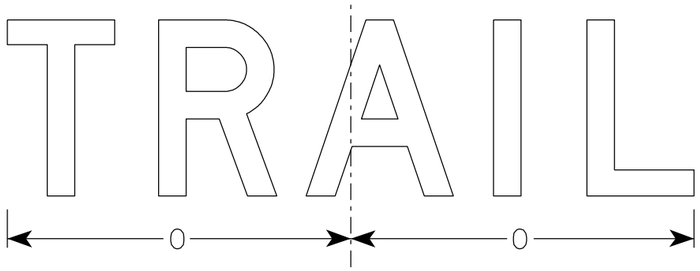
R11-2

NOTES

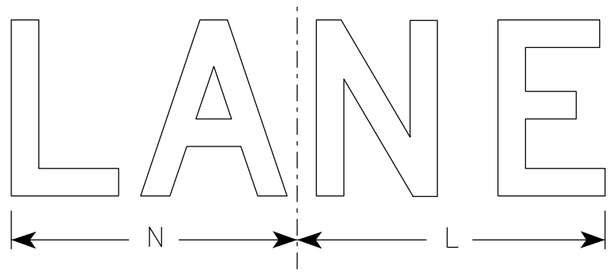
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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

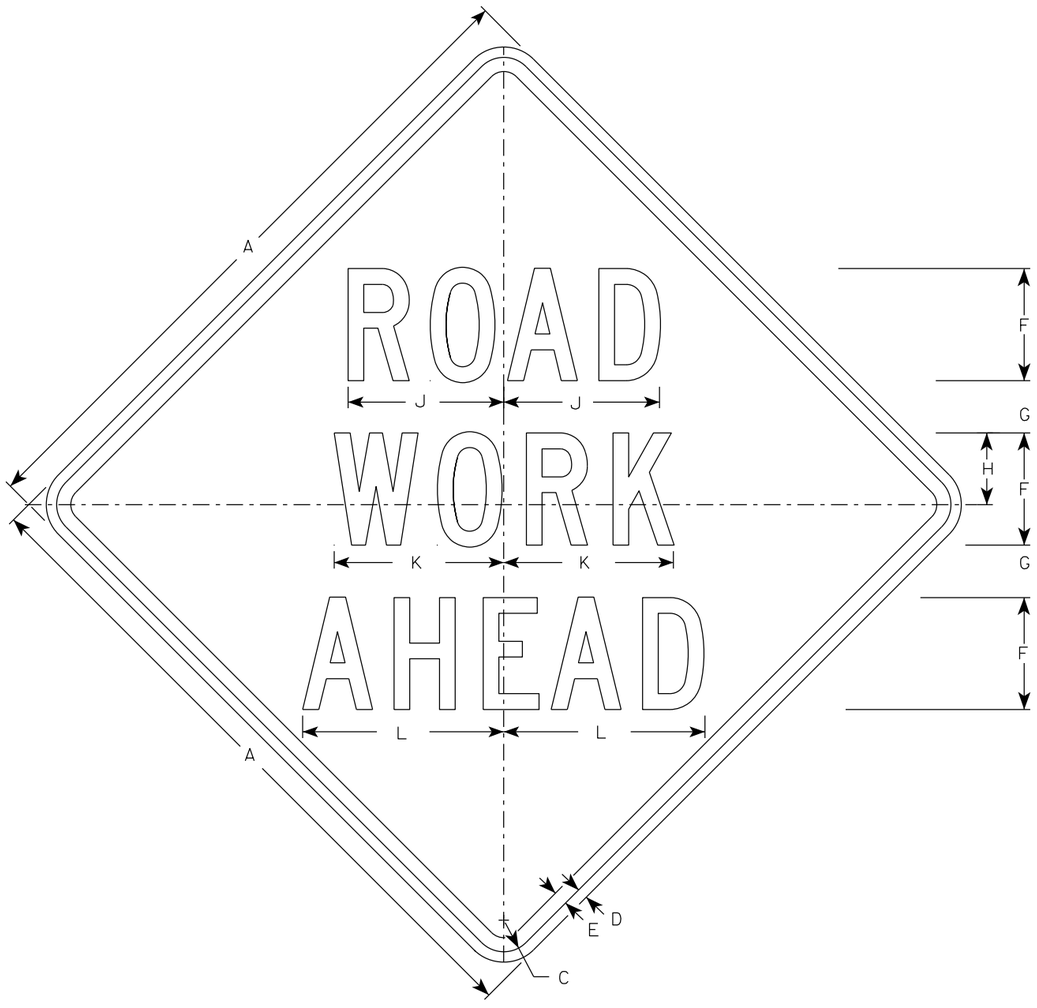
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

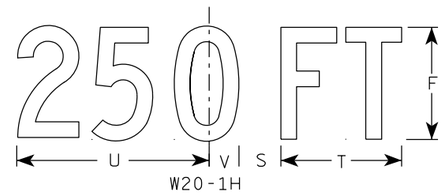
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 34	E

NOTES

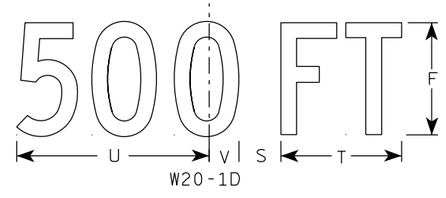
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



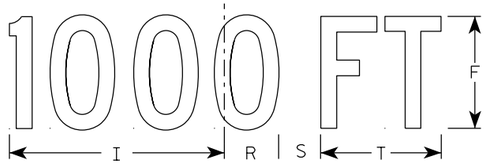
W20-1A



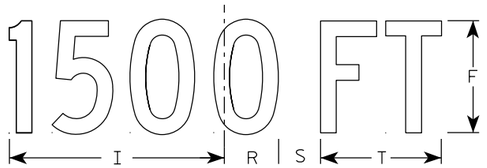
W20-1H



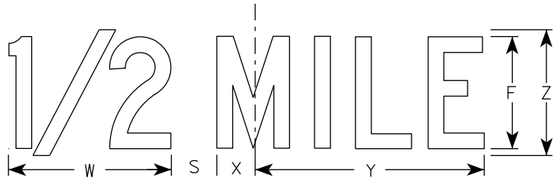
W20-1D



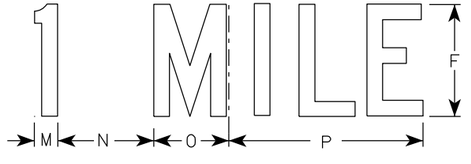
W20-1C



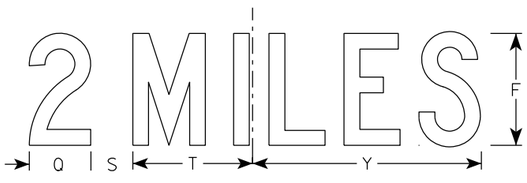
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		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

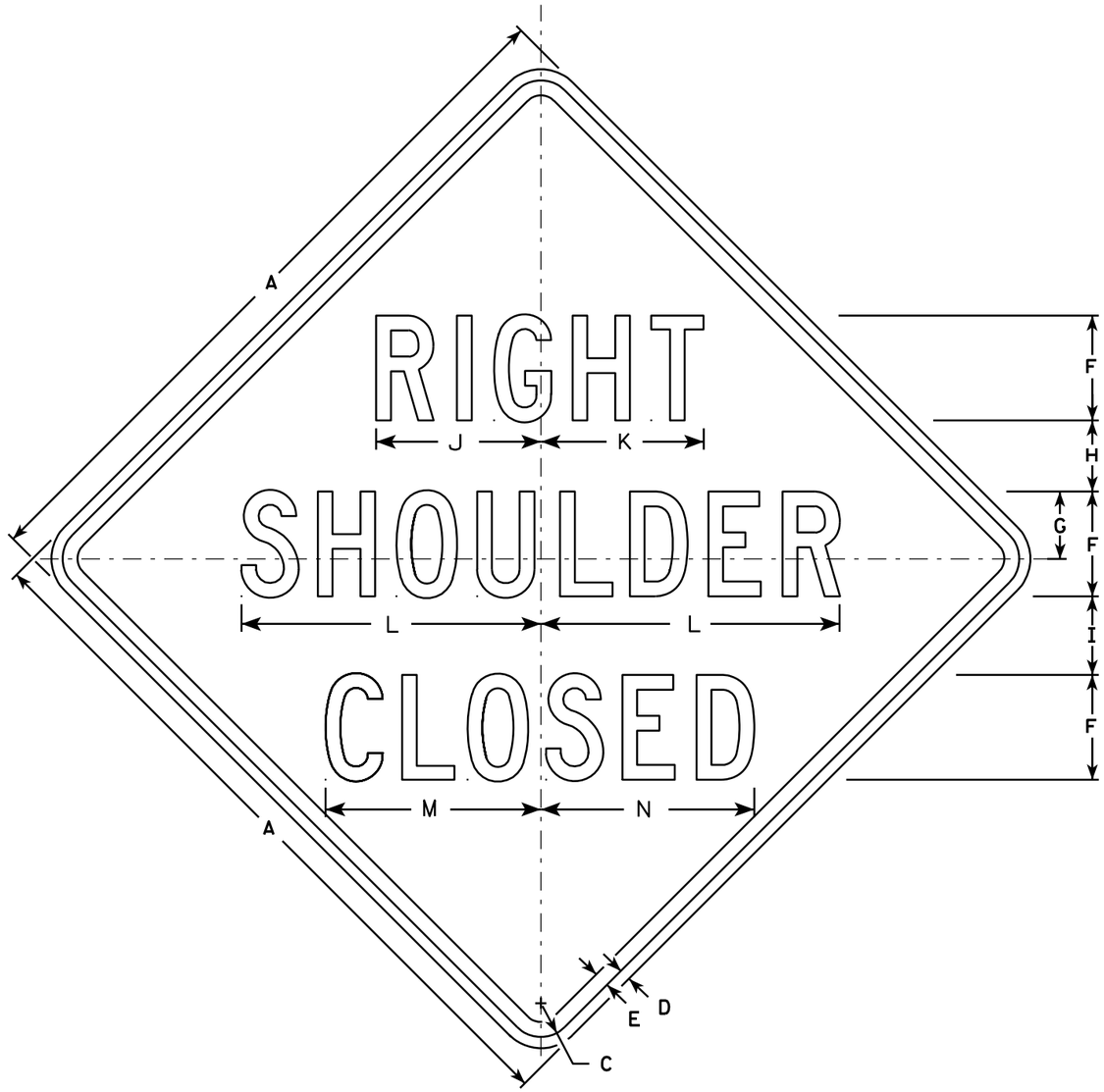
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

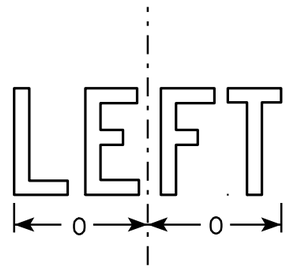
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

SHEET NO: 35 E



W21-5A



W21-5AL

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	5	3 3/8	3 1/2	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

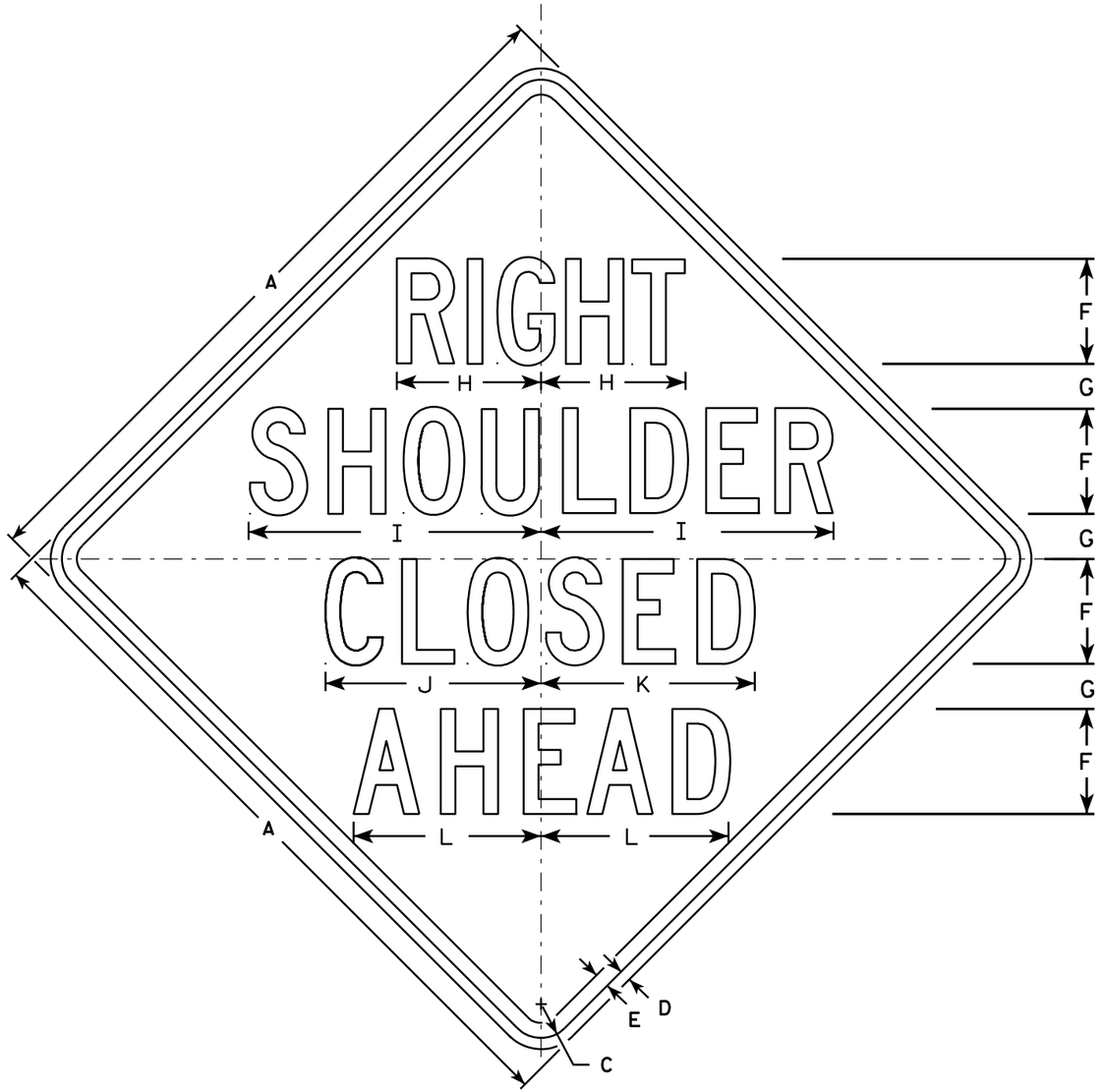
STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

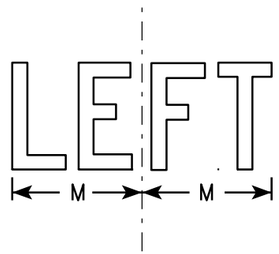
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 36 | E



W21-5B



W21-5BL

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.

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 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 7/8	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 5/8	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0

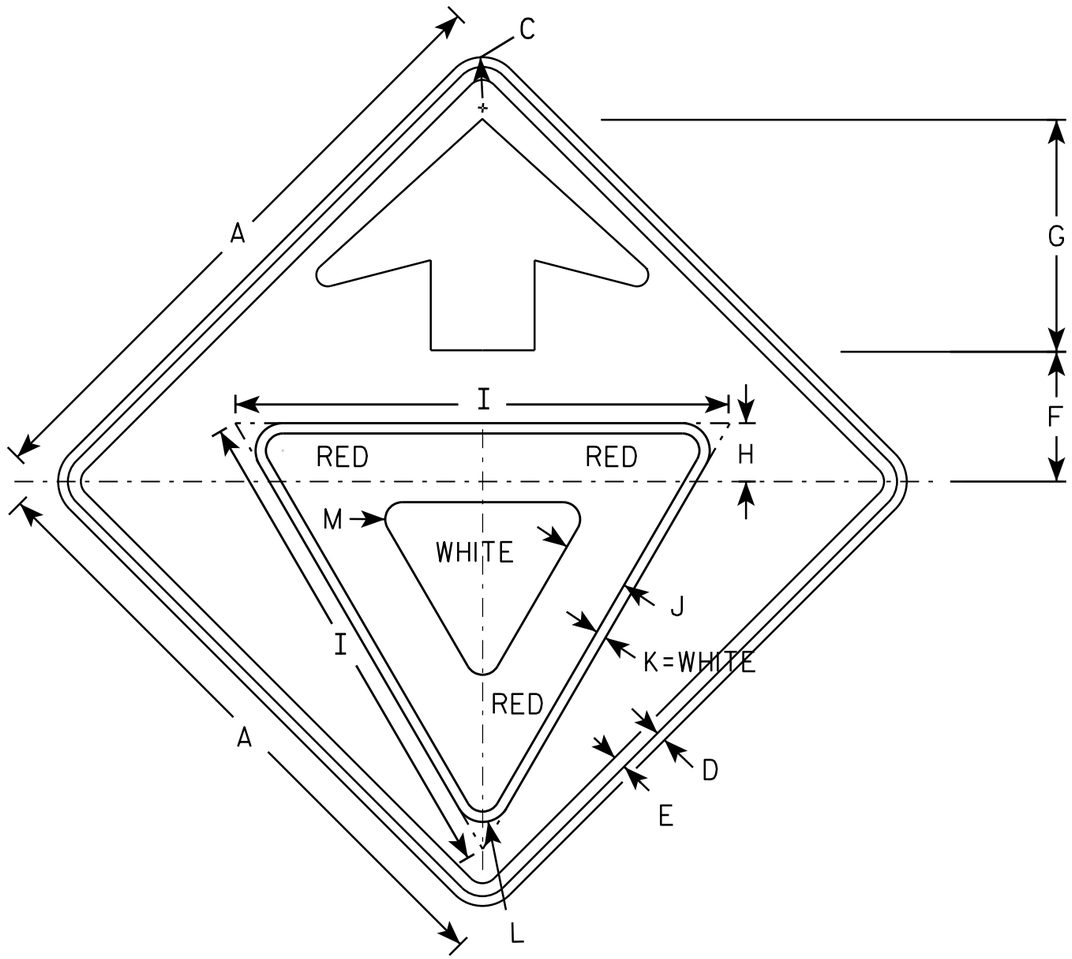
STANDARD SIGN
W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5B.3

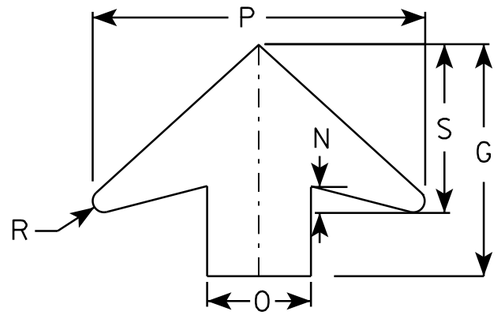
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 37	E



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

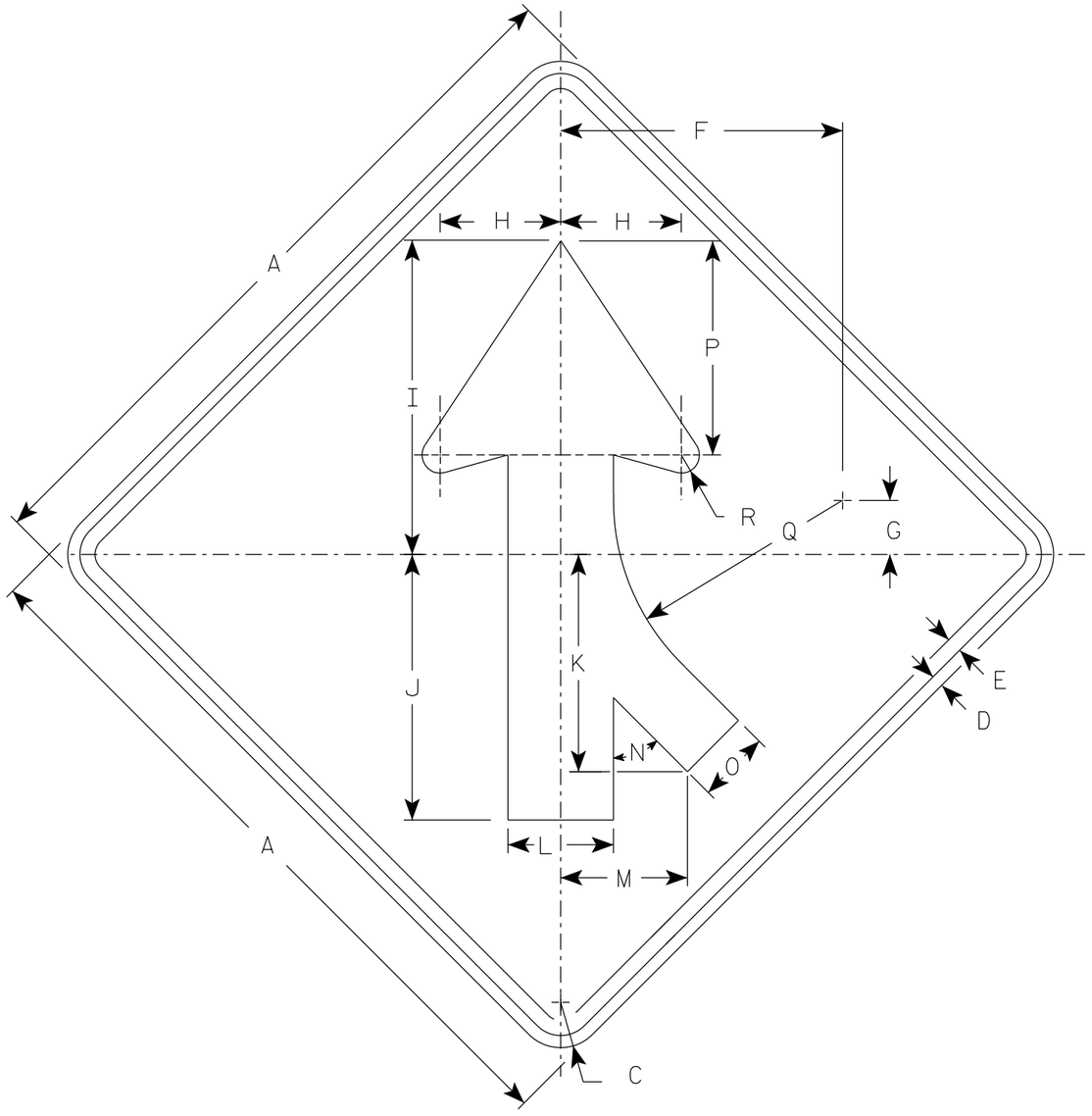
STANDARD SIGN
W03-2

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



W04-1R

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

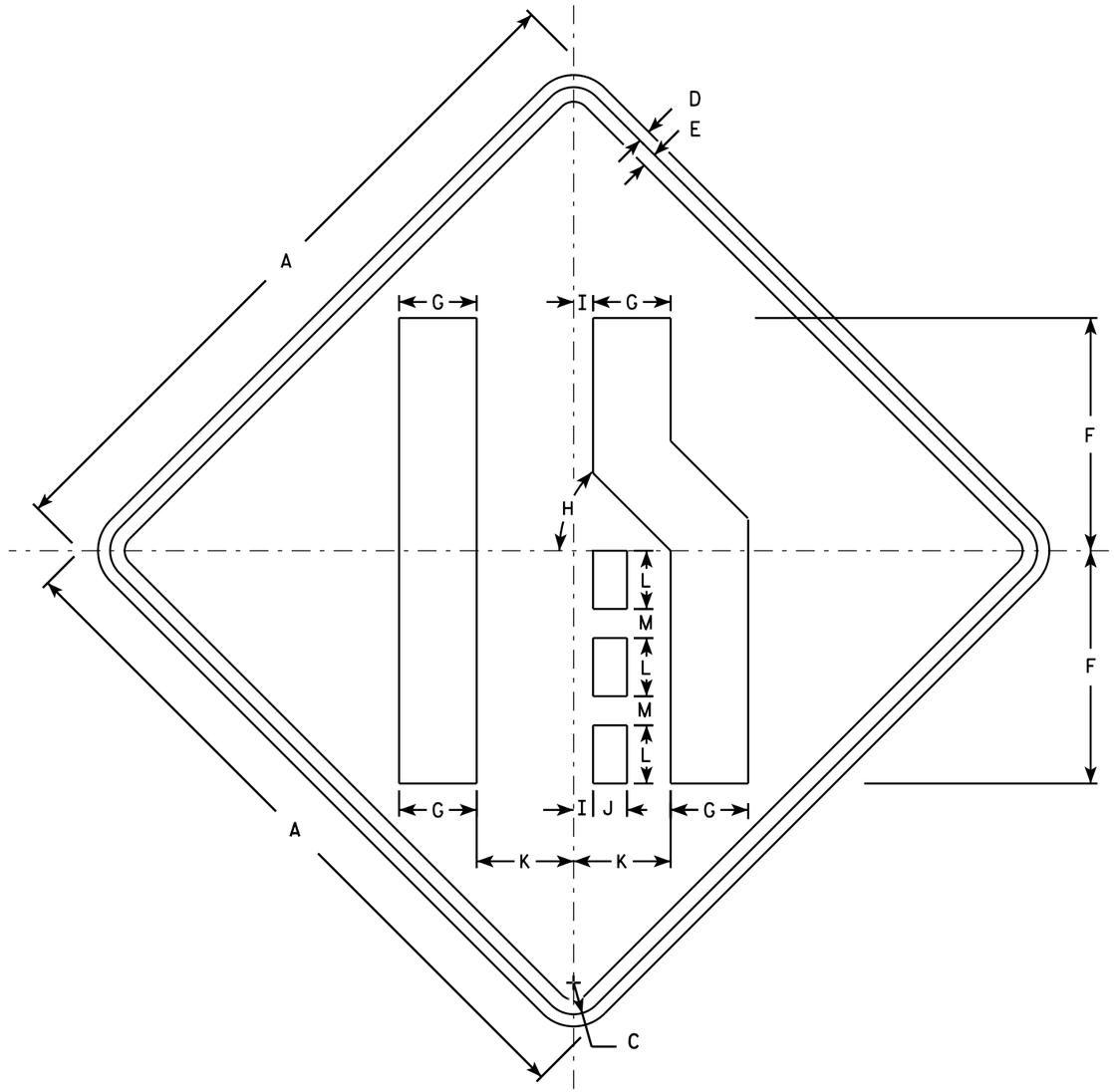
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

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

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W041.dgn PLOT DATE : 30-MAR 2021 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

7



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

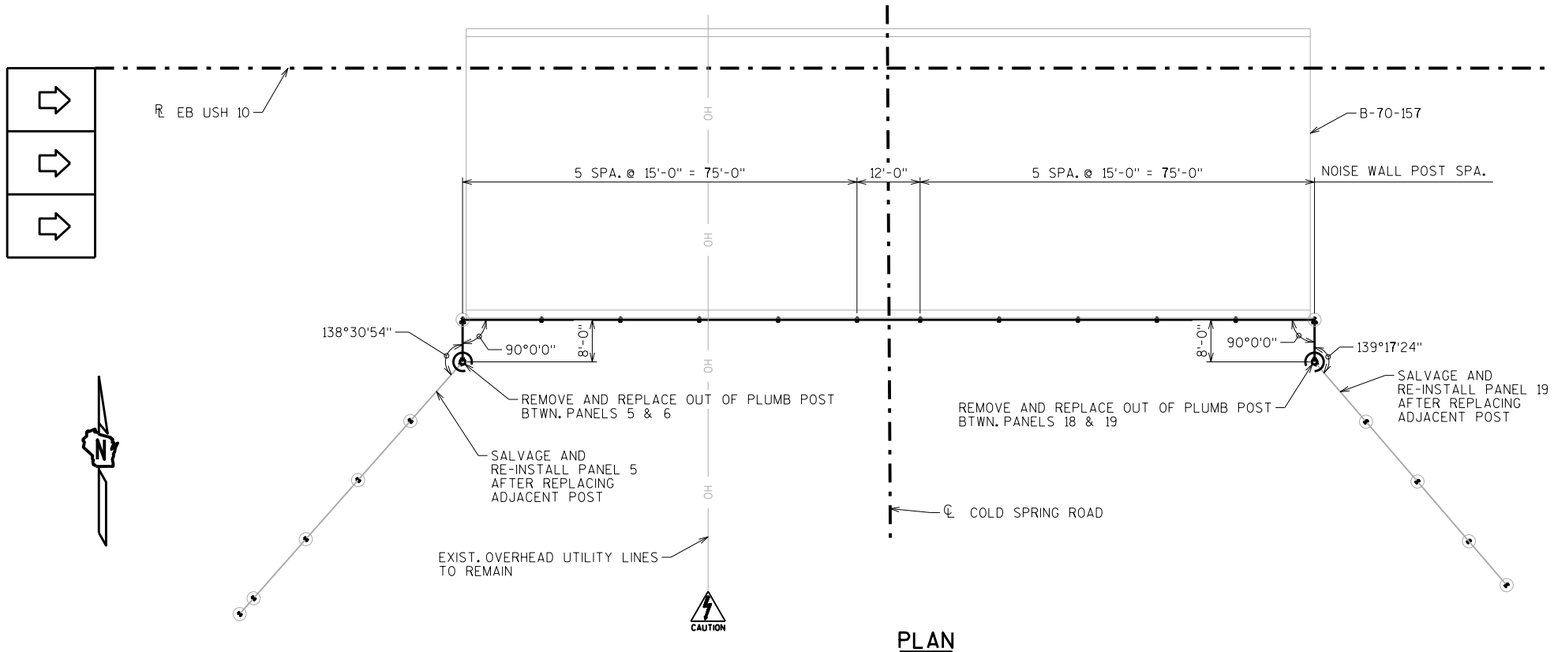
DATE 11/20/13 PLATE 40 "W04-2.1

PROJECT NO:

SHEET NO: E

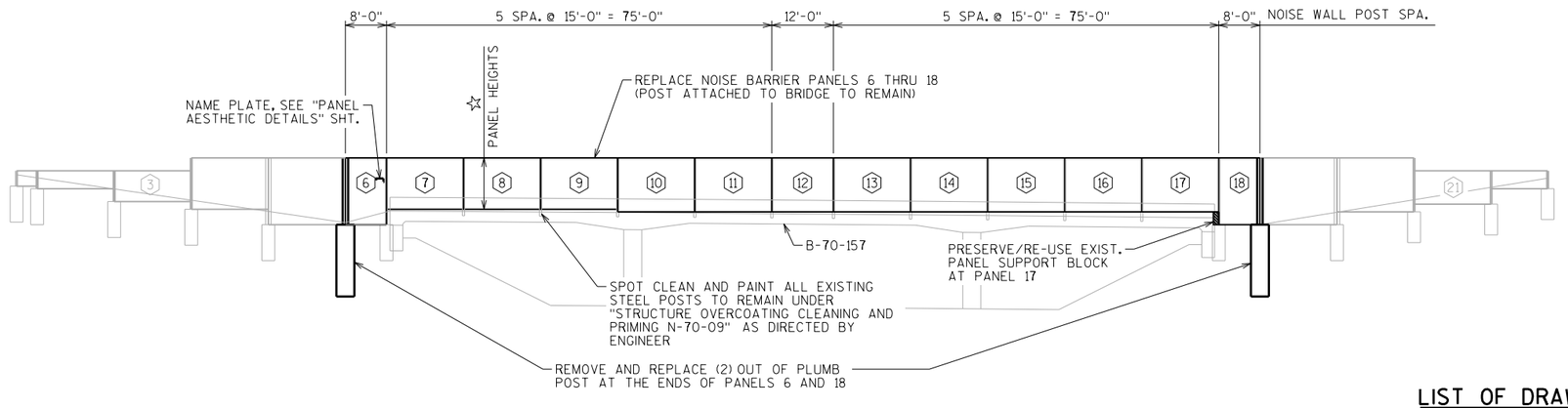
STATE PROJECT NUMBER

1120-57-60



PLAN

NOISE WALL REHABILITATION



ELEVATION

(UN-FOLDED, LOOKING NORTH)

PANEL HEIGHTS

☆ PANEL 6 & 18 - 13'-0"± (FIELD VERIFY)
PANELS 7 THRU 9 - 10'-0"
PANELS 10 THRU 17- 10'-6"

DESIGN DATA

MATERIAL PROPERTIES:

CONCRETE MASONRY: ——— f'c = 3,500 P.S.I.

HIGH STRENGTH STRUCTURAL STEEL:
ROUND HSS - ASTM A500 GRADE C ——— Fy = 46,000 P.S.I.
PLATES - ASTM A572 GRADE 50 ——— Fy = 50,000 P.S.I.

WIND LOAD (PER AASHTO LRFD 9TH EDITION):

STRENGTH III = 31.2 PSF
SERVICE I = 16.3 PSF

LIST OF DRAWINGS

1. GENERAL PLAN
2. NOTES & QUANTITIES
3. NEW & EXIST. POST DETAILS
4. PANEL AESTHETIC DETAILS

STRUCTURE DESIGN CONTACTS:

CHRISTOPHER DOLL (608) 266-3229
KYLE BUSCH (608) 267-0465

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED KHB 7/26/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE N-70-09

NOISE WALL ALONG EB USH 10

COUNTY	CITY
WINNEBAGO	MENASHA

DESIGN SPEC. REHABILITATION - N/A

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
CAD	RRH	CAD	RRH

GENERAL PLAN

SHEET 1 OF 4

41

I.D. 1120-57-30AL

DATE: APRIL 2023

SCALE = 14.00

STATE PROJECT NUMBER

1120-57-60

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
	203.0220	REMOVING STRUCTURE N-70-09	EACH	1
	504.0500	CONCRETE MASONRY RETAINING WALLS	CY	9
	506.0605	STRUCTURAL STEEL HS	LB	3776
*	517.0601	PAINTING EPOXY SYSTEM N-70-09	EACH	1
*	517.3001.S	STRUCTURE OVERCOATING CLEANING AND PRIMING N-70-09	EACH	1
	517.4001.S	CONTAINMENT AND COLLECTION OF WASTE MATERIALS N-70-09	EACH	1
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1
	SPV.0090	FOUNDATION DRILLING (42-INCH) DIAMETER	LF	28
	SPV.0165	NOISE BARRIER PANELS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09	SF	1890
		NON-BID ITEMS		
		BRIDGE SEAT PROTECTION	L.S.	1
		FILLER	SIZE	1/2", 3/4", 1 1/2"

* SHOP PAINTING OF NEW NOISE WALL POST IS INCLUDED IN "PAINTING EPOXY SYSTEM N-70-09". FIELD PAINTING OF EXISTING STRUCTURAL STEEL IS INCLUDED IN "STRUCTURE OVERCOATING CLEANING AND PRIMING N-70-09".

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE REPLACEMENT NOISE BARRIER PANELS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE NOISE BARRIER MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09".

PLANS, ELEVATIONS, AND DETAILS SHOWN ARE INTENDED TO INDICATE LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

ALL NOISE BARRIER SHALL BE DESIGNED IN ACCORDANCE WITH THE CURRENT "GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS", PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).

THE FOLLOWING MINIMUM DESIGN WIND PRESSURES SHALL BE USED IN THE DESIGN OF THE NOISE WALL PANELS IN ACCORDANCE WITH AASHTO LRFD 9TH EDITION:
STRENGTH III = 31.2 P.S.F.
SERVICE I = 16.3 P.S.F.

INCLUDE THE COST OF SURFACE TREATMENT, REVEALS, AND COLORING/STAINING THE PANEL UNDER THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09". COLORING AND SURFACE TREATMENT OF REPLACEMENT PANELS SHALL MATCH EXISTING PANELS.

THE MAXIMUM WEIGHT OF THE NEW NOISE BARRIER PANELS SHALL BE 50 POUNDS PER SQUARE FOOT OF VERTICAL AREA.

PAY LIMIT FOR THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09" SHALL BE BASED ON THE PANEL WIDTHS AND HEIGHTS SHOWN.

REINFORCING STEEL IN THE CONCRETE CORE OF THE NOISE BARRIER PANELS SHALL HAVE A MINIMUM CLEARANCE OF 1 INCH. THE CONCRETE CORE SHALL BE DESIGNED TO RESIST THE LOADS WITHOUT CONSIDERING ANY COMPOSITE ACTION FROM OTHER MATERIALS IN THE PANEL.

BOTTOM NOISE BARRIER PANELS SHALL BE DESIGNED TO SUPPORT THE DEAD LOAD (WEIGHT) OF THE PANELS DIRECTLY ABOVE IT AND ITS OWN DEAD LOAD. THE DEAD LOAD SHALL BE DISTRIBUTED UNIFORMLY ASSUMING SIMPLE BEAM ACTION WITH SUPPORTS AT THE POSTS. BOTTOM PANELS SHALL HAVE A MINIMUM AMOUNT OF PERIMETER REINFORCEMENT OF A #4 BAR WHICH SHALL BE CONTINUOUS AROUND THE CORNERS.

NEW COMPRESSIBLE BEARING PAD OF 1/4" THICK SHALL BE PROVIDED BETWEEN THE FOUNDATION/PANEL SUPPORTS AND THE BOTTOM PANELS. THE BEARING PADS SHALL BE PREFORMED EPDM RUBBER CONFORMING TO ASTM D-2000, GRADE 2, TYPE A, CLASS A WITH A MINIMUM DUROMETER HARDNESS OF 80. BEARING PADS SHALL BE INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09".

PRECAST CONCRETE PEDESTALS PLACED BETWEEN THE FOUNDATION AND BOTTOM PANELS SHALL BE REINFORCED IF OVER 1'-0" HIGH.

INSTALL FREE DRAINING GRANULAR MATERIAL AT THE BOTTOM OF NOISE BARRIERS AS SHOWN IN THE NOISE BARRIER PLANS. FREE DRAINING GRANULAR MATERIAL IS INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09".

ALL CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IS SUBJECT TO THE QMP REQUIREMENTS FOR CLASS II ANCILLARY CONCRETE. PERFORM QMP TESTING OF CONCRETE MASONRY FOR NOISE BARRIER FOUNDATIONS IN ACCORDANCE WITH SECTION 716 OF THE STANDARD SPECIFICATIONS FOR CLASS II ANCILLARY CONCRETE. QMP TESTING IS INCIDENTAL TO THE BID ITEM "NOISE BARRIERS DOUBLE-SIDED SOUND ABSORPTIVE N-70-09".

DIMENSIONS AND LAYOUT SHOWN ARE BASED ON THE EXISTING PLANS/SHOP DRAWINGS, AND FIELD OBSERVATIONS.

ANY EXCAVATION AND SUBSEQUENT BACKFILLING NECESSARY TO COMPLETE THE POST AND/OR PANEL REPLACEMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "REMOVING STRUCTURE N-70-09".

THE COLOR OF THE FINISH EPOXY TOP COAT SHALL BE BROWN, (FEDERAL STANDARD COLOR NO. 20059) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR 1997.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL FIELD VERIFY EXISTING PANEL DIMENSION PRIOR TO PANEL AND POST FABRICATION.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE N-70-09

DRAWN BY CAD | PLANS CK'D. RRH

NOTES & QUANTITIES

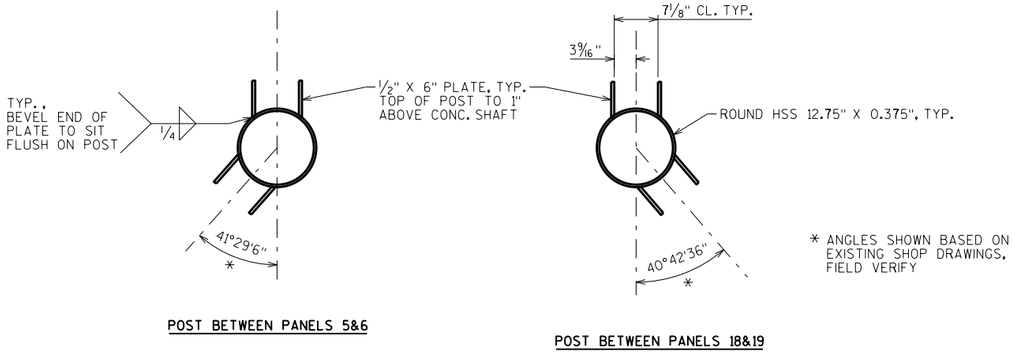
SHEET 2

42

SCALE = 14.00

STATE PROJECT NUMBER

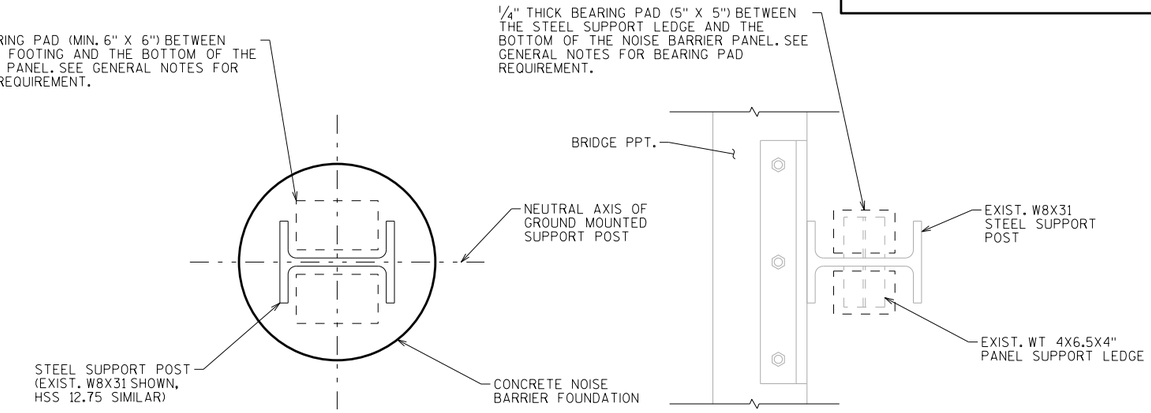
1120-57-60



POST BETWEEN PANELS 5&6

POST BETWEEN PANELS 18&19

NEW POSTS - RETAINER PLATE DETAILS

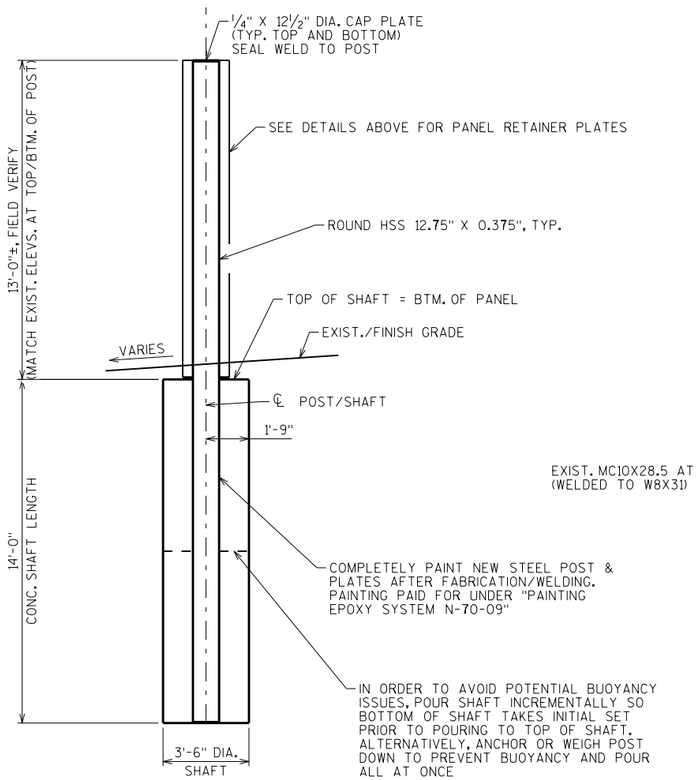


AT PANELS 6 & 18

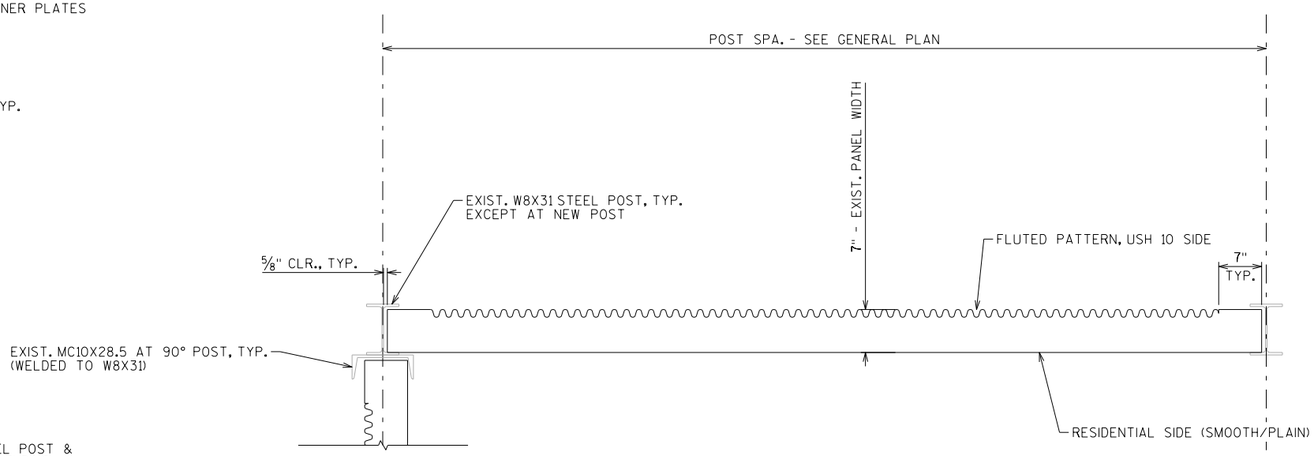
AT PANELS 7 THRU 17 (POST ATTACHED TO BRIDGE B-70-157)

BEARING PAD DETAILS AT BOTTOM OF PANELS

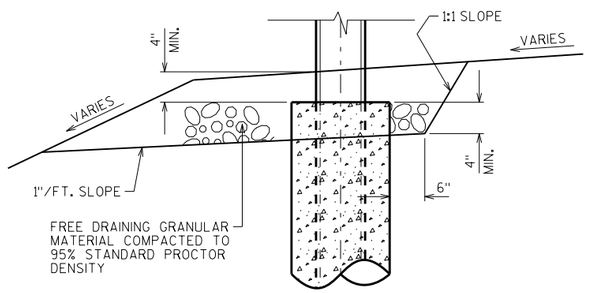
(NOT TO SCALE)



NEW POST SECTION



EXISTING POST AND PANELS



POST DRAINAGE BACKFILL DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE N-70-09

DRAWN BY CAD | PLANS CK'D. RRH

NEW & EXIST. POST DETAILS

SHEET 3

43

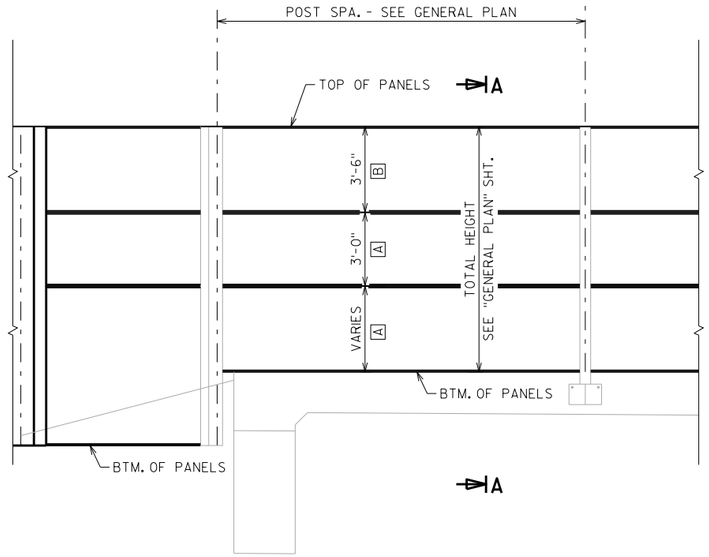
SCALE = 3.00

8

8

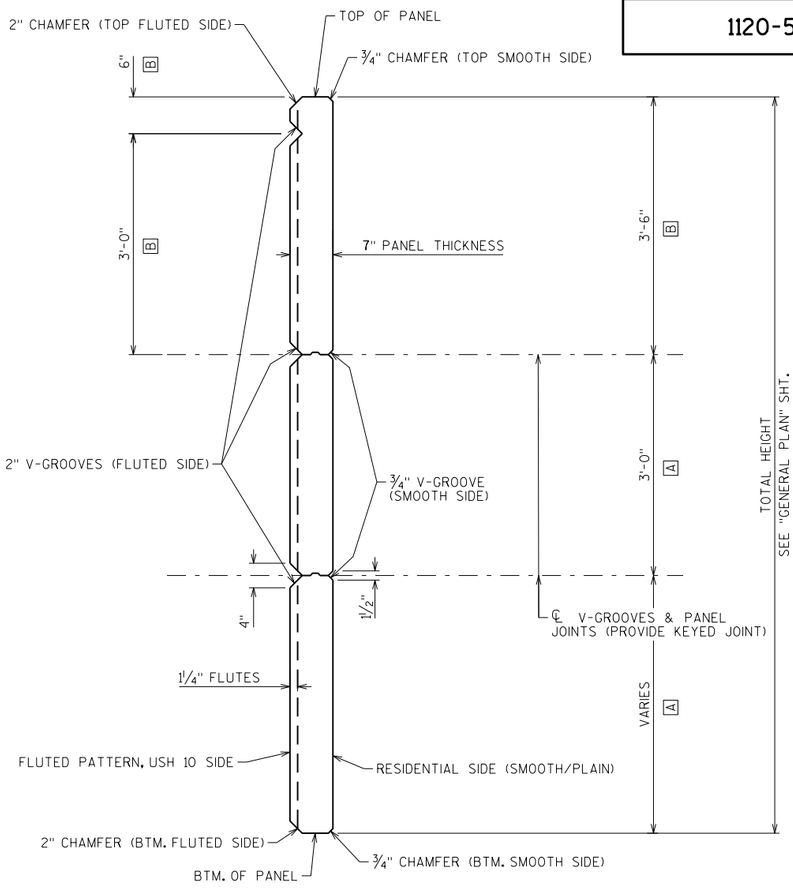
STATE PROJECT NUMBER

1120-57-60

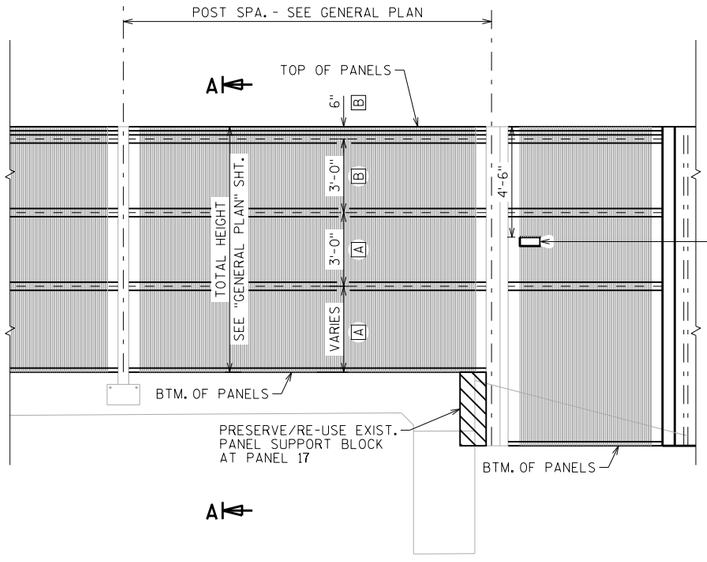


PANEL ELEVATION - RESIDENTIAL/SMOOTH SIDE

(UN-FOLDED)

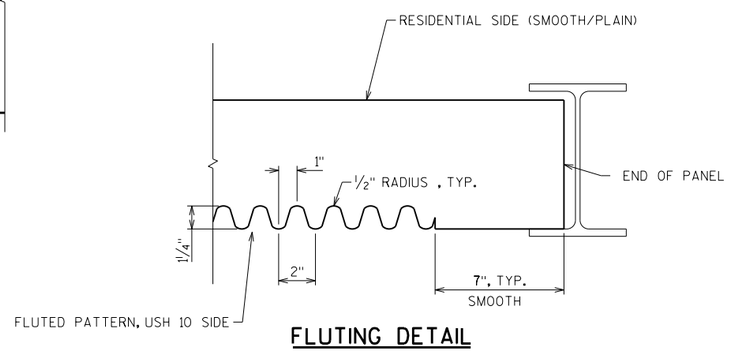


SECTION A-A - THRU PANELS



PANEL ELEVATION - USH 10/FLUTED SIDE

(UN-FOLDED)



FLUTING DETAIL

A BASE COLOR - LIGHT BROWN (MATCH EXIST.)

B ACCENT COLOR - DARK BROWN (MATCH EXIST.)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE N-70-09

DRAWN BY CAD | PLANS CK'D. RRH

PANEL AESTHETIC DETAILS

SHEET 4

44

SCALE = 3.00

8

8

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov