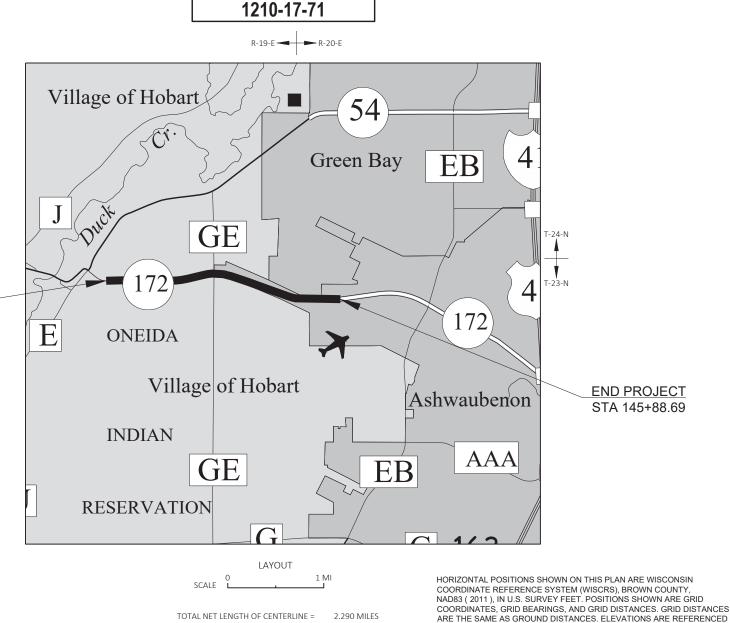
NOVEMBER 2023

PROJECT ID: WITH: 1210-18-71

W ROWN

## STATE OF WISCONSIN ORDER OF SHEETS **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details



MARSH AREA

WOODED OR SHRUB AREA

Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Plan and Profile Section No. Section No. Standard Detail Drawings **ONEIDA - GREEN BAY STH 54 - AIRPORT ENTRANCE STH 172** TOTAL SHEETS = 58 **BROWN COUNTY** STATE PROJECT NUMBER DESIGN DESIGNATION AADT 2021 = 8.830 A.A.D.T. = 9,020 = 1,080 D.H.V. D.D. = 50/50 = 13.80 DESIGN SPEED = 45 MPH **BEGIN PROJECT** = 3,020,000 STA 25+00 Y = 561,379.777 X = 58,921.291CONVENTIONAL SYMBOLS GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOTTINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE SLOPE INTERCEPT CULVERT (Profile View) UTILITIES REFERENCE LINE ELECTRIC EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER TELEPHONE

Designer Project Manage Regional Examiner

PREPARED BY

Surveyor

PROVED FOR THE DEPARTMEN 8/1/2023

FILE NAME : 0:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\010101-TI.DWG

UTILITY PEDESTAL

TELEPHONE POLE

₫

Ø

POWER POLE

7/17/2023 1:59 PM

CHAD EVEN

PLOT NAME

TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A

ORIGINAL PLANS PREPARED BY HISCONS" CHAD R. EVEN E-40861 ONA L ENGINE

FEDERAL PROJECT

PROJECT

WISC 2024011

CONTRACT

1

STATE PROJECT

1210-17-71

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Ε

NE REGION

## **GENERAL NOTES**

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

COORDINATE SURVEY MONUMENT WITH THE NE REGION SURVEY

PAVING LIMITS AT INTERSECTIONS AND DRIVEWAYS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

TEMPORARY STORAGE OF ANY EQUIPMENT OR EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS, UNLESS APPROVED BY THE ENGINEER.

PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN IN APPROXIMATE LOCATIONS WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

PLACE TOPSOIL OR SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS WITHIN 5 DAYS AFTER PLACEMENT OF TOPSOIL OR SALVAGED TOPSOIL. RESTORATION ITEMS ARE INCIDENTAL TO OTHER ITEMS WITHIN THIS

A BUTT JOINT AND VERTICAL FACE IS REQUIRED WHERE NEW HMA MFFTS EXISTING HMA PAVEMENT.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

#### ORDER OF SECTION 2 DETAIL SHEETS

**GENERAL NOTES** TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS TRAFFIC CONTROL

#### **UTILITIES CONTACTS**

DOUGLAS MARTIN (PRIMARY CONTACT) ASHWAUBENON WATER AND SEWER UTILITY - SEWER 2155 HOLMGREN WAY GREEN BAY, WI 54304-4605 (920) 492-2335 DMARTIN@ASHWAUBENON.COM

VICTORIA KASSAB (PRIMARY CONTACT) AT&T WISCONSIN - COMMUNICATION LINE 205 S JEFFERSON ST GREEN BAY, WI 54301 (920) 401-7512 VK352K@ATT.COM

JEFF KRUEGER (PRIMARY CONTACT) ONEIDA TRIBE OF INDIANS UTILITY **DEPARTMENT - COMMUNICATION LINE** 909 PACKERLAND DRIVE GREEN BAY, WI 54303 (920) 496-7383 JKRUEGER@ONEIDANATION.ORG

SCOTT COTTRELL (PRIMARY CONTACT) ONEIDA TRIBE OF INDIANS UTILITY **DEPARTMENT - SEWER** 3783 W MASON ST P.O. BOX 365 ONEIDA, WI 54155 (920) 497-5806 SCOTTREL@ONEIDANATION.ORG

VINCENT ALBIN (PRIMARY CONTACT) SPECTRUM - COMMUNICATION LINE 3520 E DESTINATION DR APPLETON, WI 54915 (920) 831-9249 VINCE.ALBIN@CHARTER.COM

JERRY LANCELLE (PRIMARY CONTACT) VILLAGE OF HOBART - WATER 2990 S PINETREE ROAD HOBART, WI 54155 (920) 869-3807 JERRY@HOBART-WI.ORG

WIN TECHNOLOGY - COMMUNICATION LINE 4955 BULLIS FARM ROAD EAU CLAIRE, WI 54703 (866) 206-2027 KEN.WHITING@WINTECHNOLOGY.COM

KEN WHITING (PRIMARY CONTACT)

WENDY CHRIST (PRIMARY CONTACT) WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM

P.O. BOX 19001 GREEN BAY, WI 54307-9001 (414) 617-5173

UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM

DOUGLAS MARTIN (PRIMARY CONTACT) ASHWAUBENON WATER AND SEWER UTILITY - WATER 2155 HOLMGREN WAY GREEN BAY, WI 54304-4605 (920) 492-2335

ROBERT MICHAELSON (PRIMARY CONTACT) CENTRAL BROWN COUNTY WATER AUTHORITY - WATER 1303 S 8TH STREET MANITOWOC, WI 54220 (920) 686-4354 RMICHAELSON@MPU.ORG

DMARTIN@ASHWAUBENON.COM

RICK VINCENT (PRIMARY CONTACT) NET LEC LLC - COMMUNICATION LINE 450 SECURITY BLVD P.O. BOX 19079 GREEN BAY, WI 54307-9079 (920) 617-7316 RICK.VINCENT@NSIGHT.COM

KEVIN RENTMEESTER (PRIMARY CONTACT) ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT - ELECTRICITY 3783 W MASON ST P.O. BOX 365 ONEIDA, WI 54155 (920) 869-1059 KRENTMEE@ONEIDANATION.ORG

JERRY LANCELLE (PRIMARY CONTACT) VILLAGE OF HOBART - SANITARY 2990 S PINETREE ROAD HOBART, WI 54155 (920) 869-3807 JERRY@HOBART-WI.ORG

SCOTT COTTRELL (PRIMARY CONTACT) ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT - WATER 3783 W MASON ST P.O. BOX 365 ONEIDA. WI 54155 (920) 497-5806 SCOTTREL@ONEIDANATION.ORG

ROBERT SMITH (PRIMARY CONTACT) WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY P.O. BOX 19001 GREEN BAY, WI 54307-9001 (920) 617-5284

UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM

**DESIGN CONSULTANT** 

ONEIDA ENGINEERING SOLUTIONS, LLC (OES) 2555 PACKERLAND DRIVE GREEN BAY, WI 54313 ATTN: CHAD EVEN, P.E. PHONE: (920) 884-3975 EMAIL: CEVEN@OESLLC.COM

#### REGIONAL SURVEY COORDINATOR

WISCONSIN DEPARTMENT OF TRANSPORTATION - NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 ATTN: CORMAC MCINNIS, RLS PHONE: (920) 492-5638 EMAIL: CORMAC.MCINNIS@DOT.WI.GOV

#### WISDOT PROJECT MANAGER

WISCONSIN DEPARTMENT OF TRANSPORTATION - NE REGION 944 VAN DER PERREN WAY GREEN BAY, WI 54304 ATTN: JOSHUA LANG PHONE: (920) 492-4141 EMAIL: JOSHÚA.LANG@DOT.WI.GOV

#### WDNR LIASION

WDNR NORTHEAST REGIONAL HEADQUARTERS 2984 SHAWANO AVE. GREEN BAY, WI 54313 ATTN: JIM DOPERALSKI JR. PHONE: (920) 412-0165 EMAIL: JAMES.DOPERALSKI@WISCONSIN.GOV

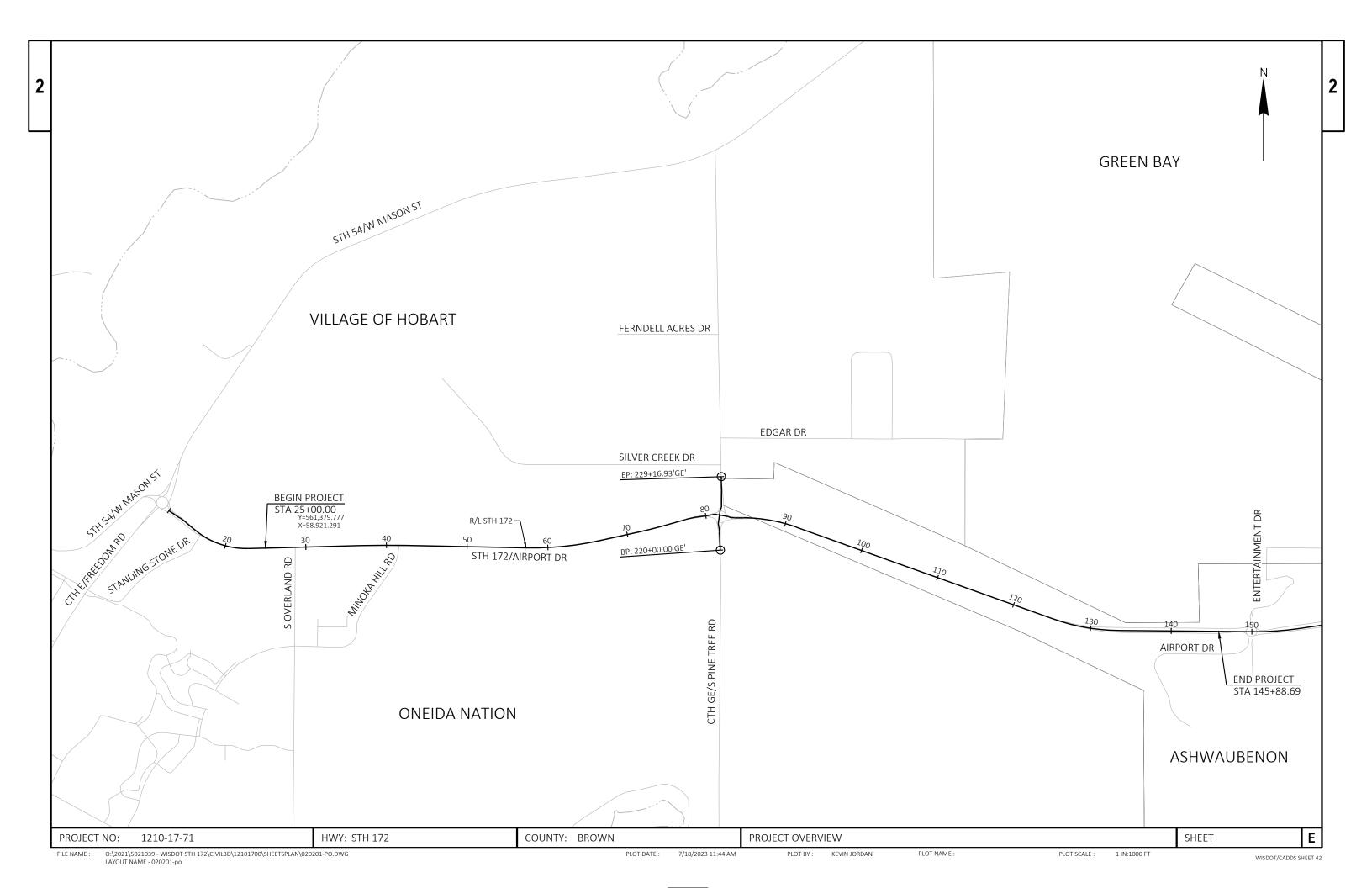
Dial 811 or (800)242-8511 www.DiggersHotline.com

8/22/2023 11:18 AM

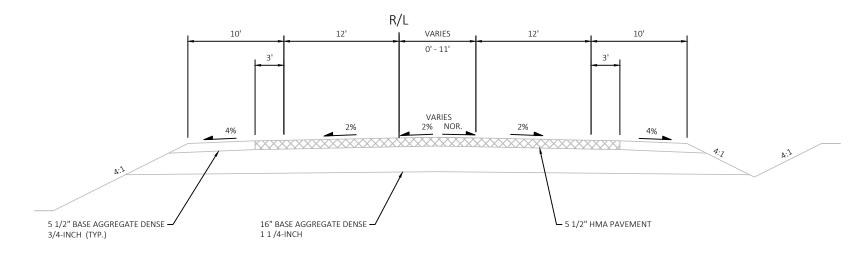
1210-17-71 HWY: STH 172 COUNTY: BROWN PROJECT NO:

**GENERAL NOTES** 

SHEET



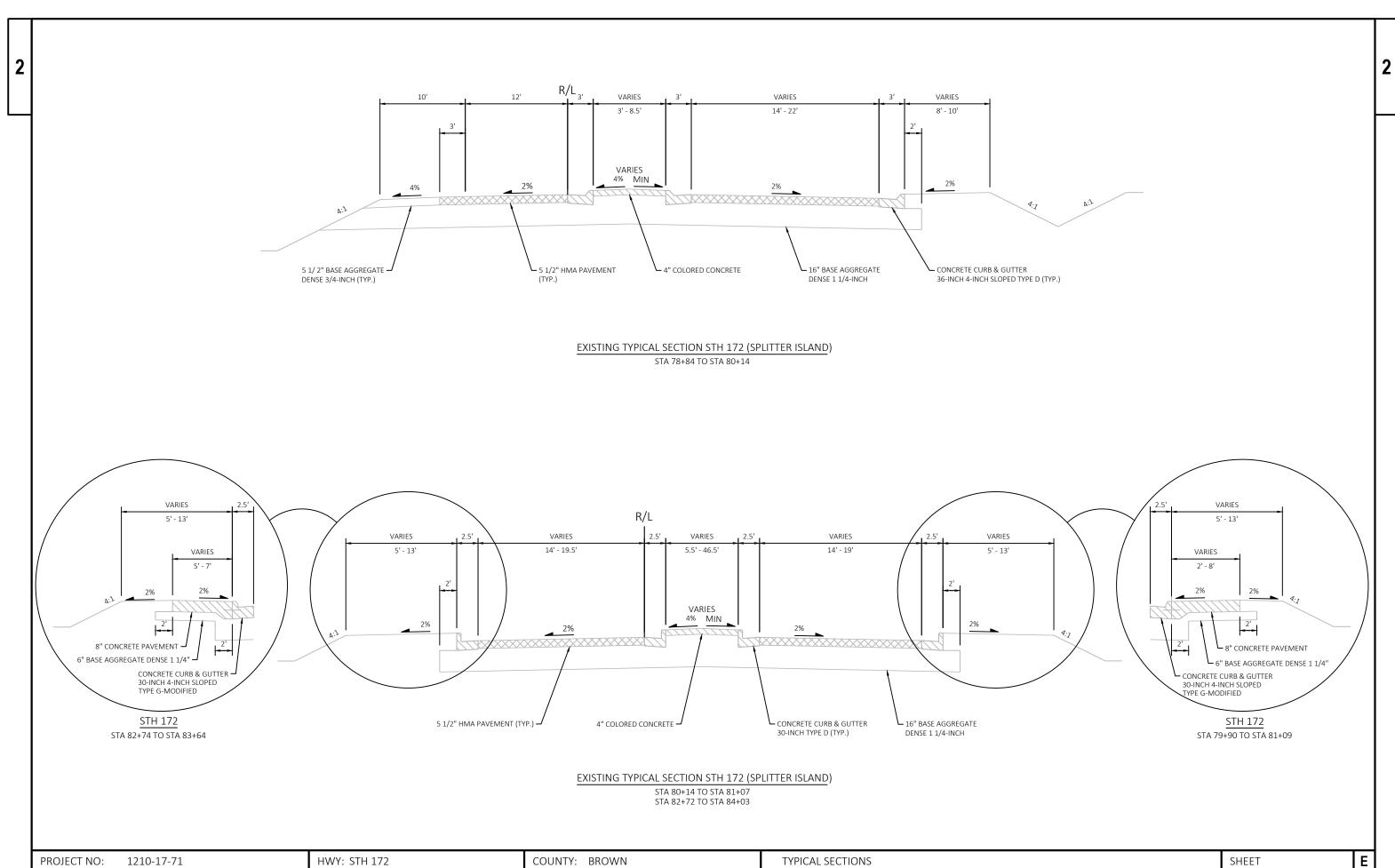
## EXISTING TYPICAL SECTION STH 172 STA 25+00 TO STA 70+00

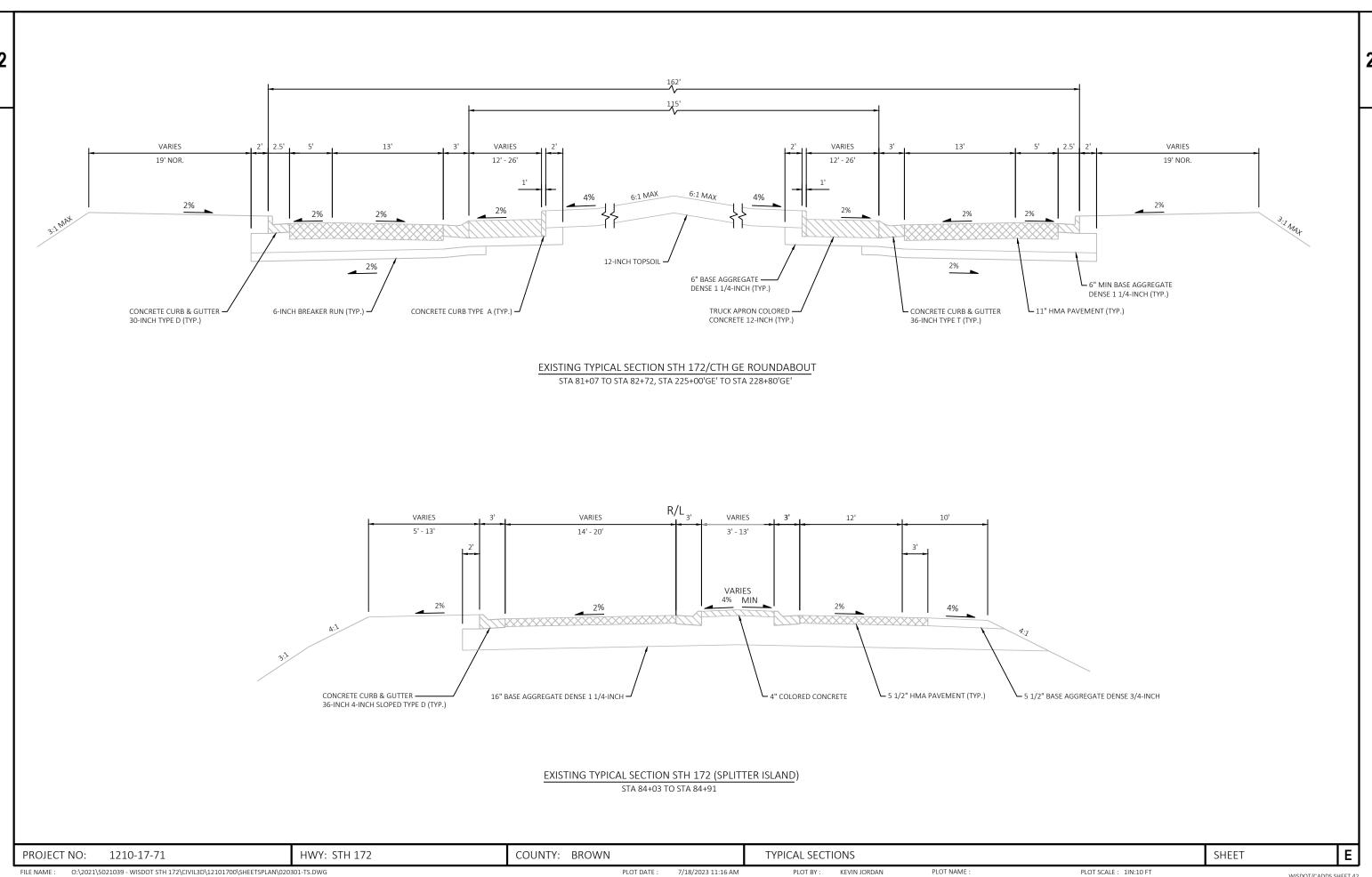


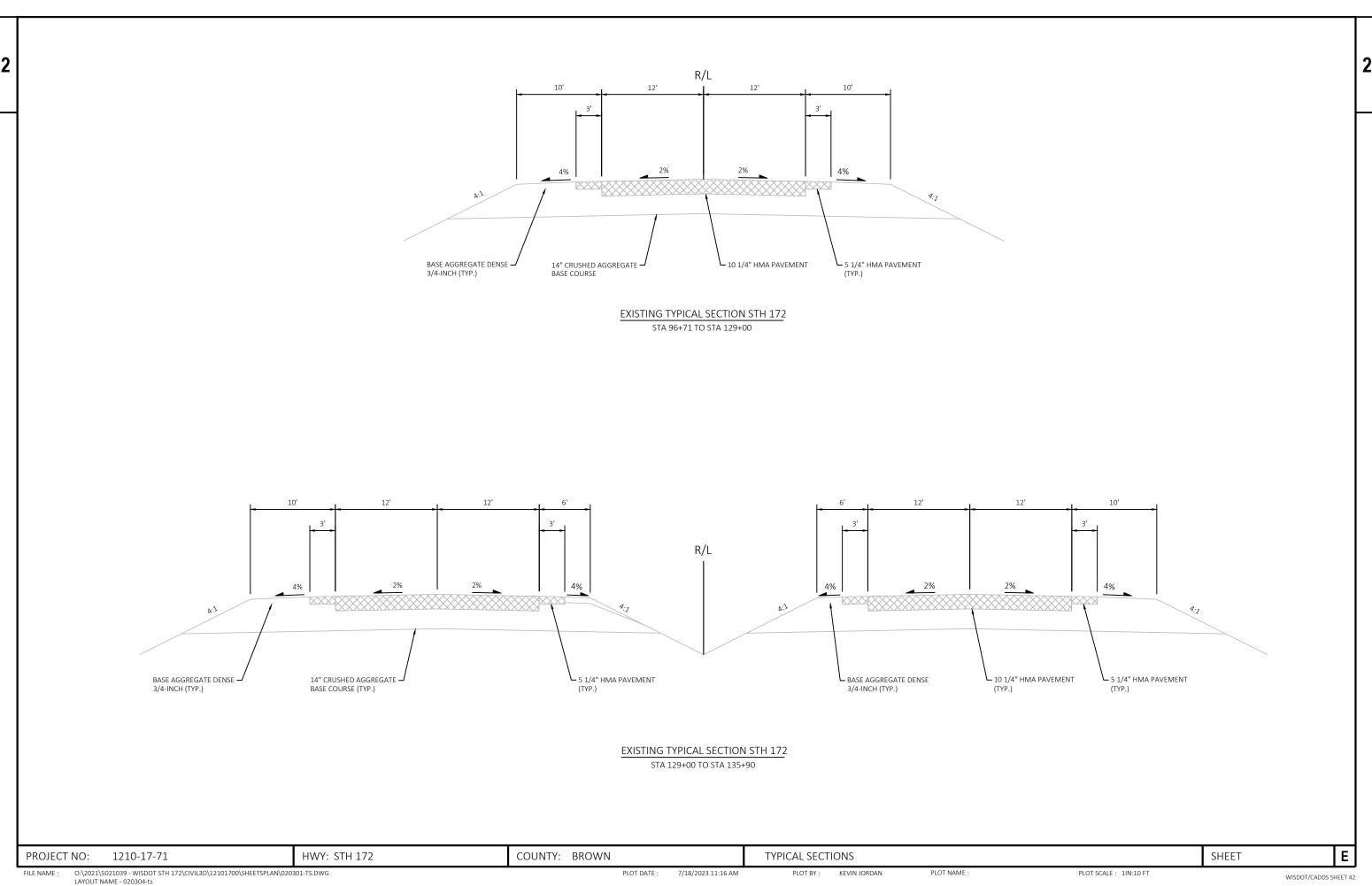
## EXISTING TYPICAL SECTION STH 172 (TRANSITION TO ROUNDABOUT)

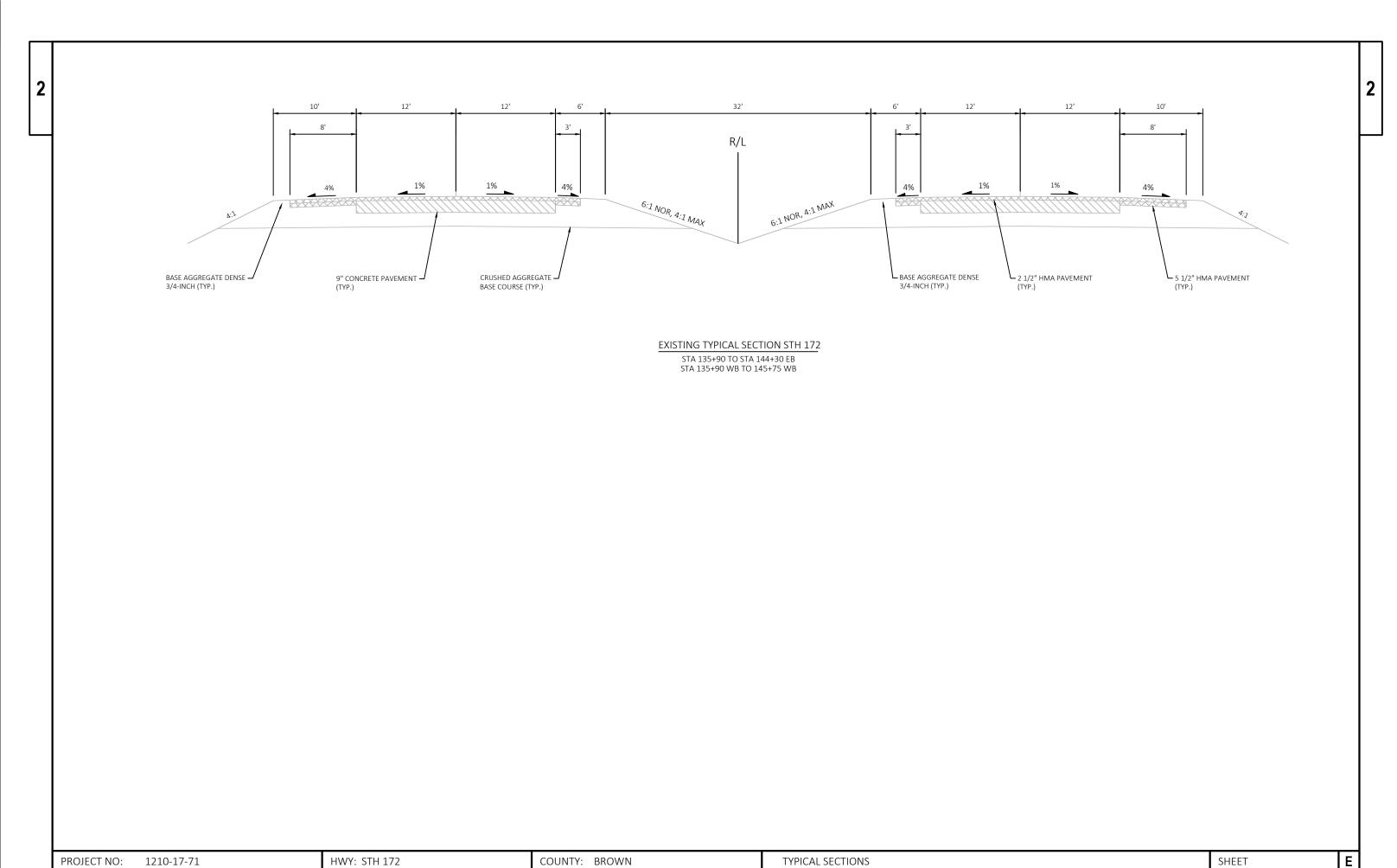
STA 70+00 TO STA 78+84 STA 84+91 TO STA 96+71

Ε 1210-17-71 COUNTY: BROWN SHEET PROJECT NO: HWY: STH 172 TYPICAL SECTIONS O:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 020301-ts FILE NAME : PLOT DATE : 7/18/2023 11:15 AM PLOT BY: KEVIN JORDAN PLOT NAME : PLOT SCALE: 1IN:10 FT WISDOT/CADDS SHEET 42





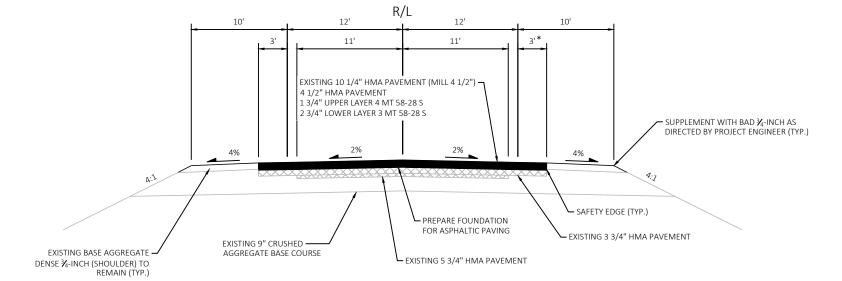






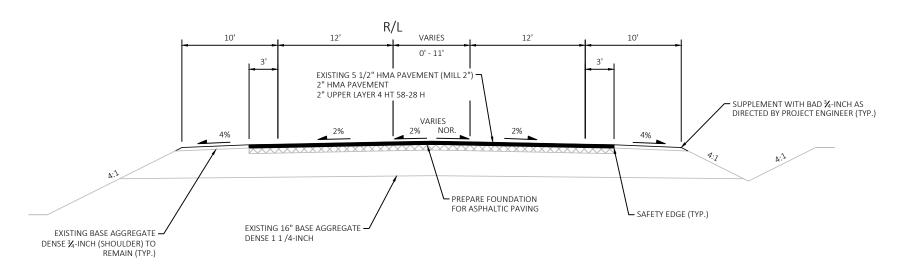
\* STA 57+75 TO STA 65+75

SEE PLAN DETAILS FOR WIDER WIDTHS



## FINISHED TYPICAL SECTION STH 172

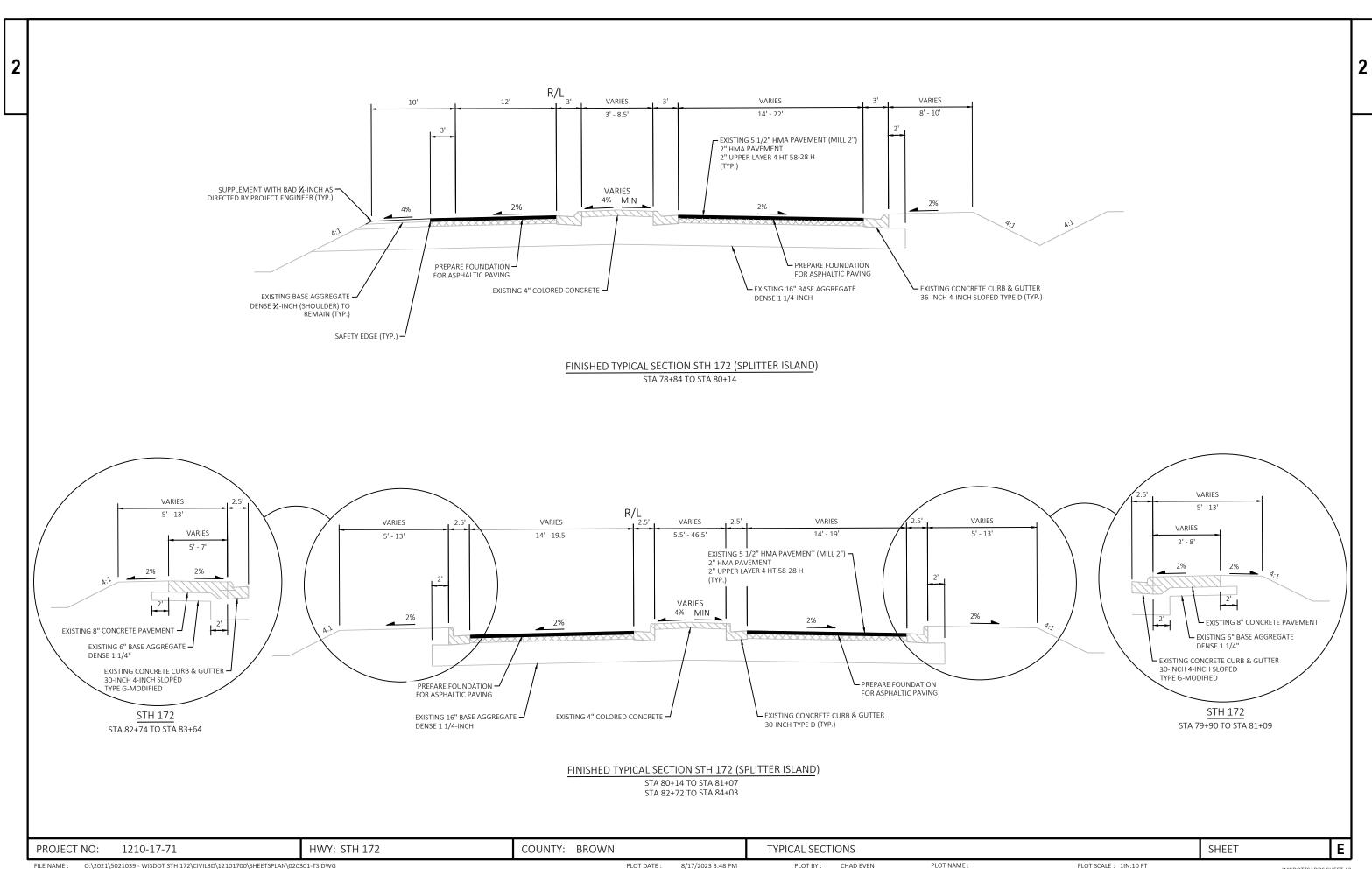
STA 25+00 TO STA 70+00

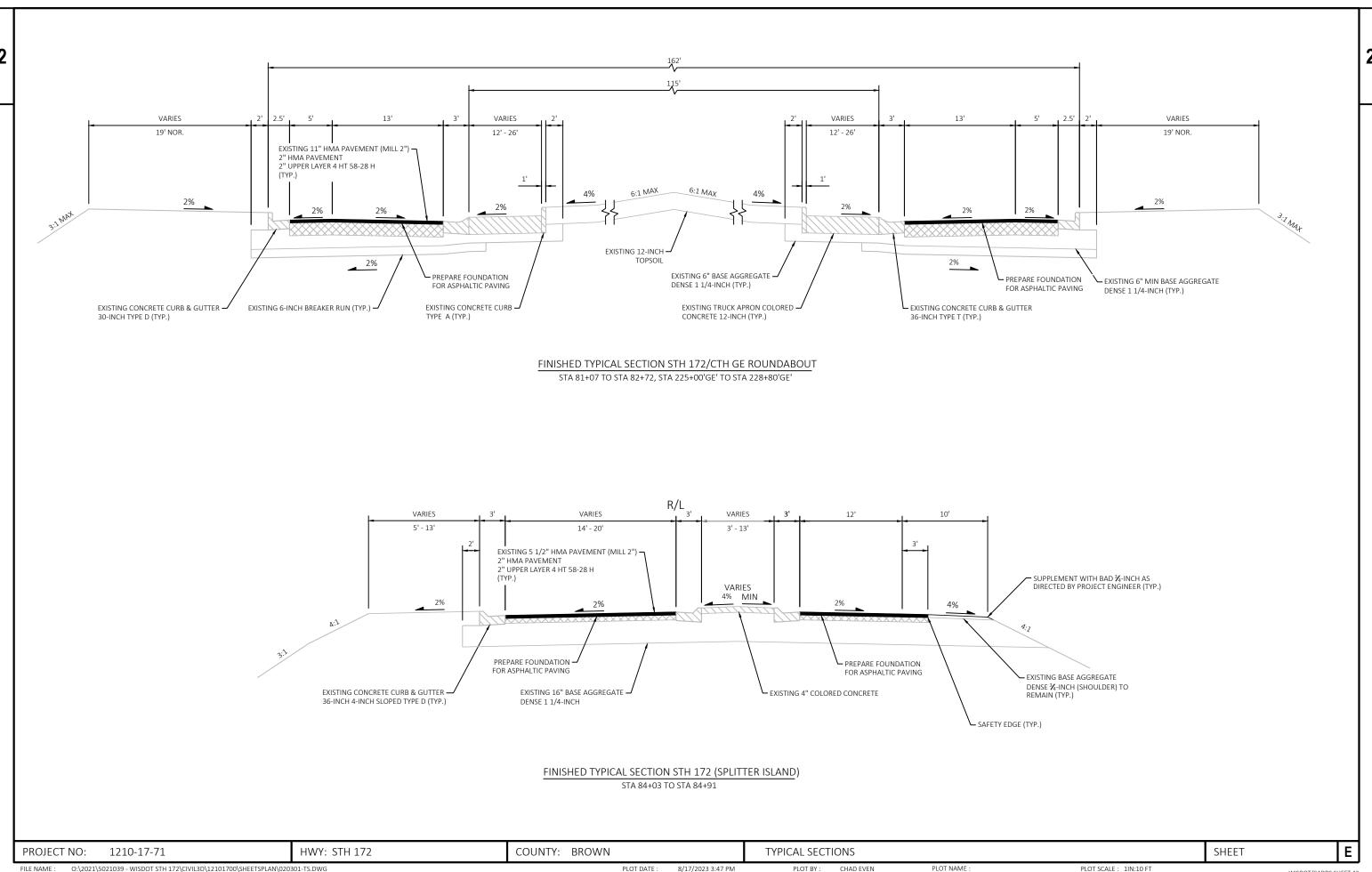


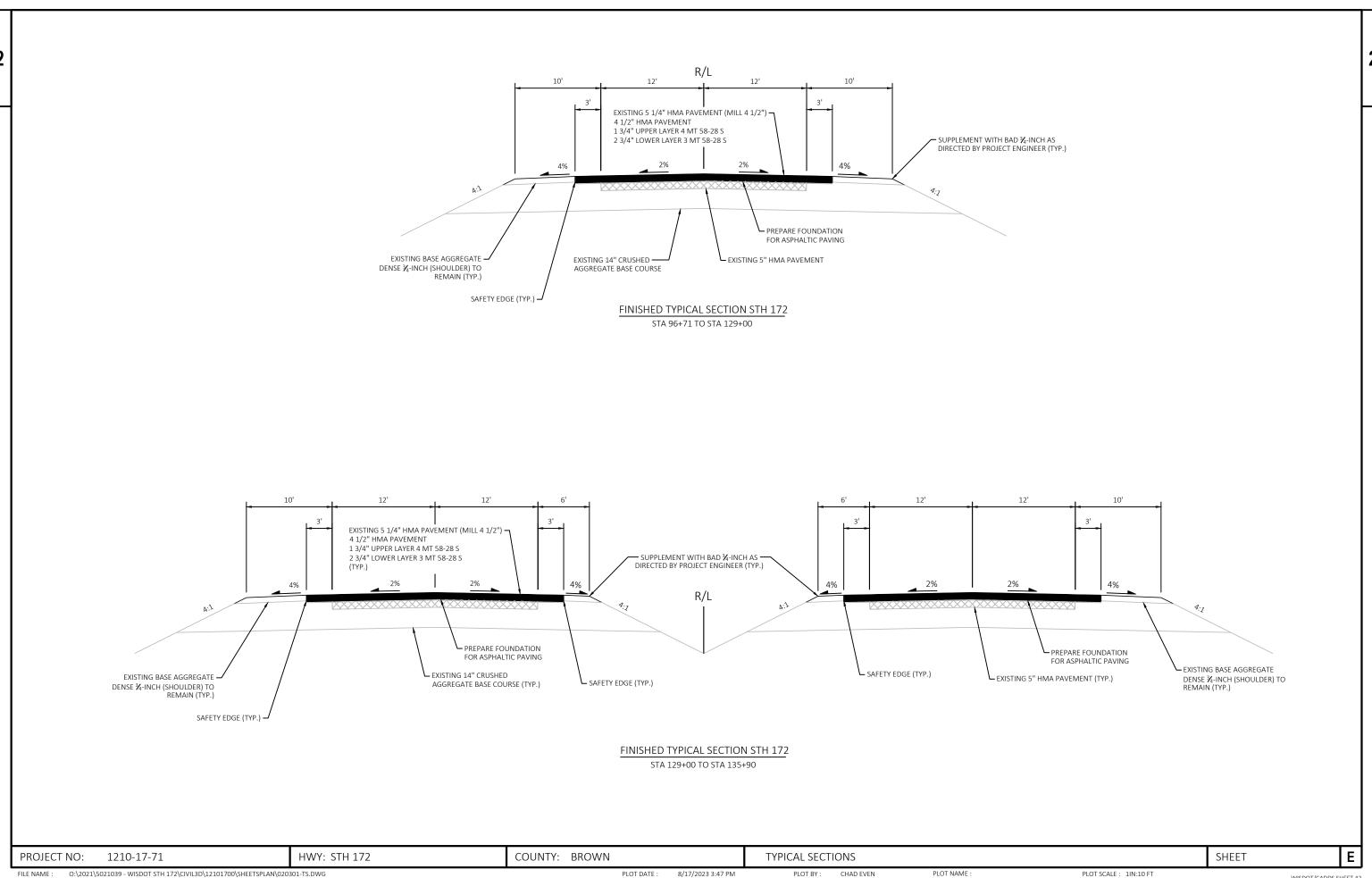
## FINISHED TYPICAL SECTION STH 172 (TRANSITION TO ROUNDABOUT)

STA 70+00 TO STA 78+84 STA 84+91 TO STA 96+71

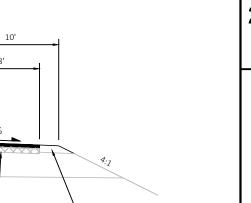
HWY: STH 172 Ε PROJECT NO: 1210-17-71 COUNTY: BROWN TYPICAL SECTIONS SHEET PLOT DATE : PLOT BY: CHAD EVEN PLOT NAME : PLOT SCALE: 1IN:10 FT 8/17/2023 3:49 PM











EXISTING BASE AGGREGATE

DENSE ¾-INCH (SHOULDER) TO REMAIN (TYP.)

\*VARIABLE DEPTH MILLING.
MILL 1 3/4" AT EDGELINES AND 1/4" AT THE CENTERLINE TO CREATE A 2% CROSS SLOPE. INSIDE SHOULDER TO BE MILLED AT 1 3/4" VARIABLE DEPTH AT 2% CROSS SLOPE. OUTSIDE SHOULDER TO BE MILLED AT 1 3/4" UNIFORM DEPTH AT 4% CROSS SLOPE

PREPARE FOUNDATION — FOR ASPHALTIC PAVING

EXISTING 9" CONCRETE PAVEMENT — (TYP.)

10'

4%

12'

2%

EXISTING CRUSHED -

AGGREGATE BASE COURSE (TYP.)

2%

EXISTING 2 1/2" HMA PAVEMENT — MILL VARIABLE DEPTH\*
1 3/4" UPPER LAYER 4 MT 58-28 S
(TYP.)

2%

## FINISHED TYPICAL SECTION STH 172

— SUPPLEMENT WITH BAD ¾-INCH AS — DIRECTED BY PROJECT ENGINEER (TYP.)

32'

R/L

6:1 NOR, 4:1 MAX

6:1 NOR, 4:1 MAX

SAFETY EDGE (TYP.)

STA 135+90 TO STA 144+30 EB STA 135+90 WB TO 145+75 WB

Ε PROJECT NO: 1210-17-71 HWY: STH 172 COUNTY: BROWN TYPICAL SECTIONS SHEET

EXISTING BASE AGGREGATE → DENSE ¾-INCH (SHOULDER) TO REMAIN (TYP.)

PLOT NAME :

12'

2%

PREPARE FOUNDATION FOR ASPHALTIC PAVING

(TYP.)

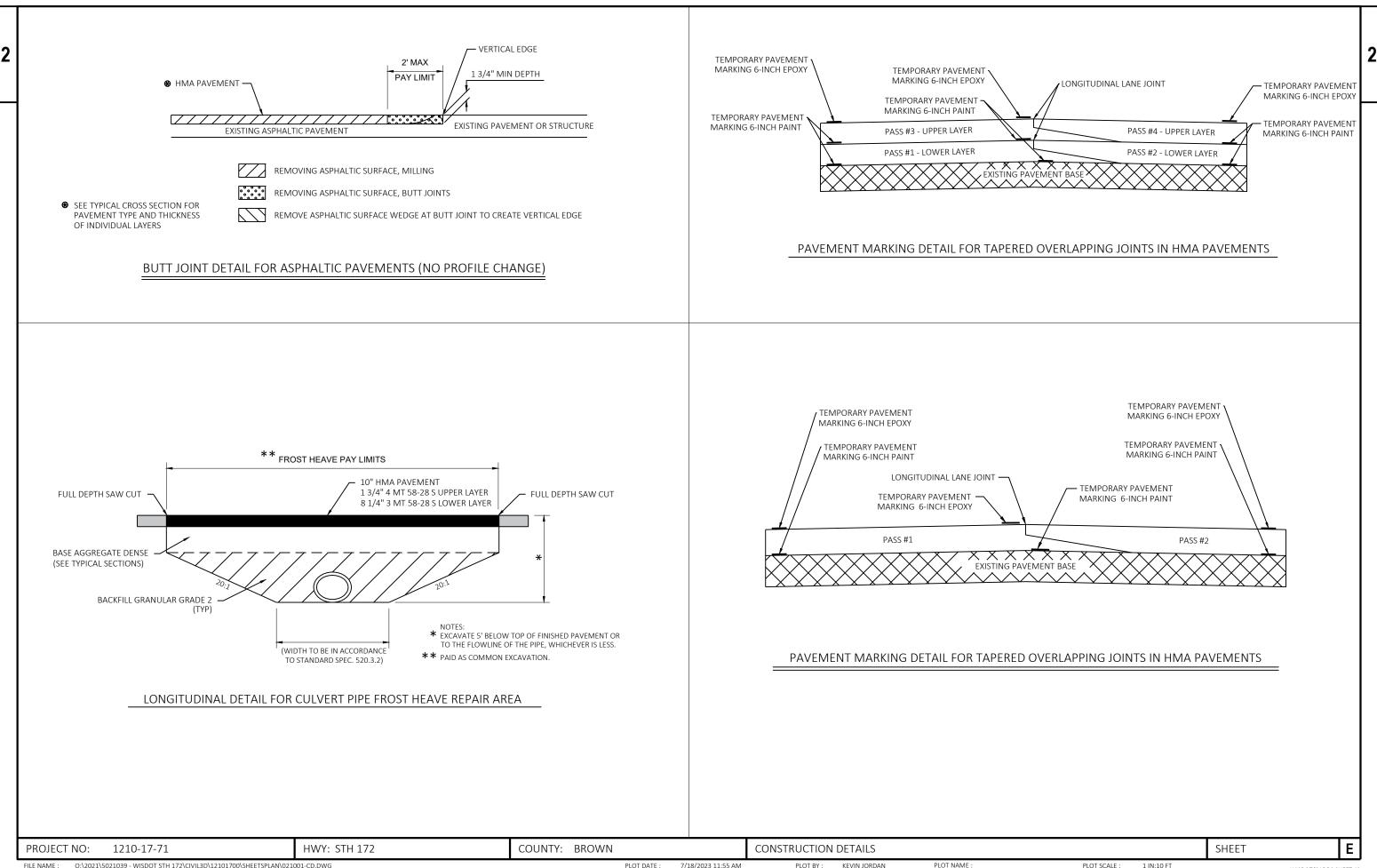
EXISTING 5 1/2" HMA PAVEMENT -

4%

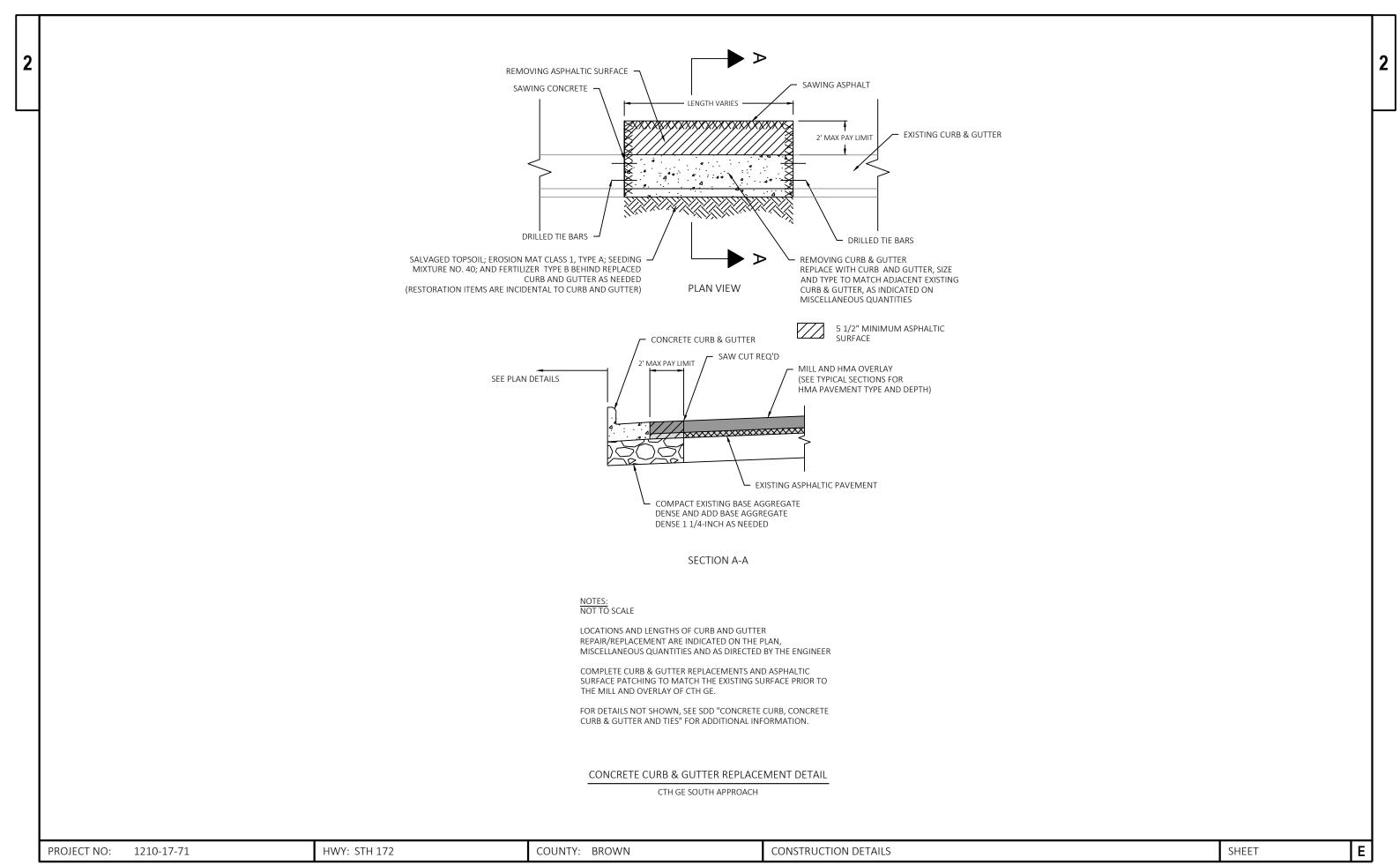
EXISTING 2 1/2" HMA PAVEMENT MILL VARIABLE DEPTH\*
1 3/4" UPPER LAYER 4 MT 58-28 S
(TYP.)

2%

– EXISTING BASE AGGREGATE DENSE ¾-INCH (SHOULDER) TO REMAIN (TYP.)

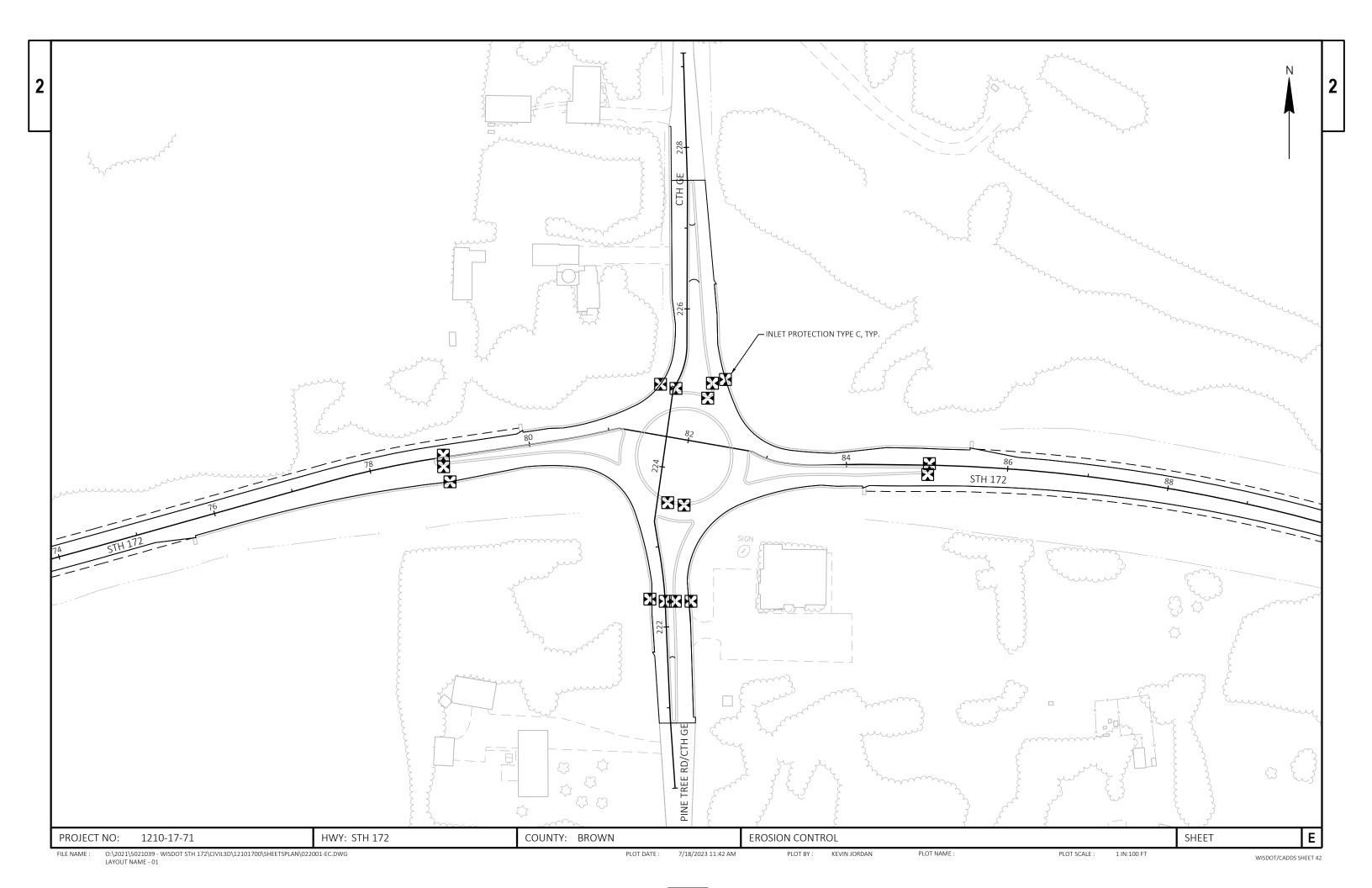


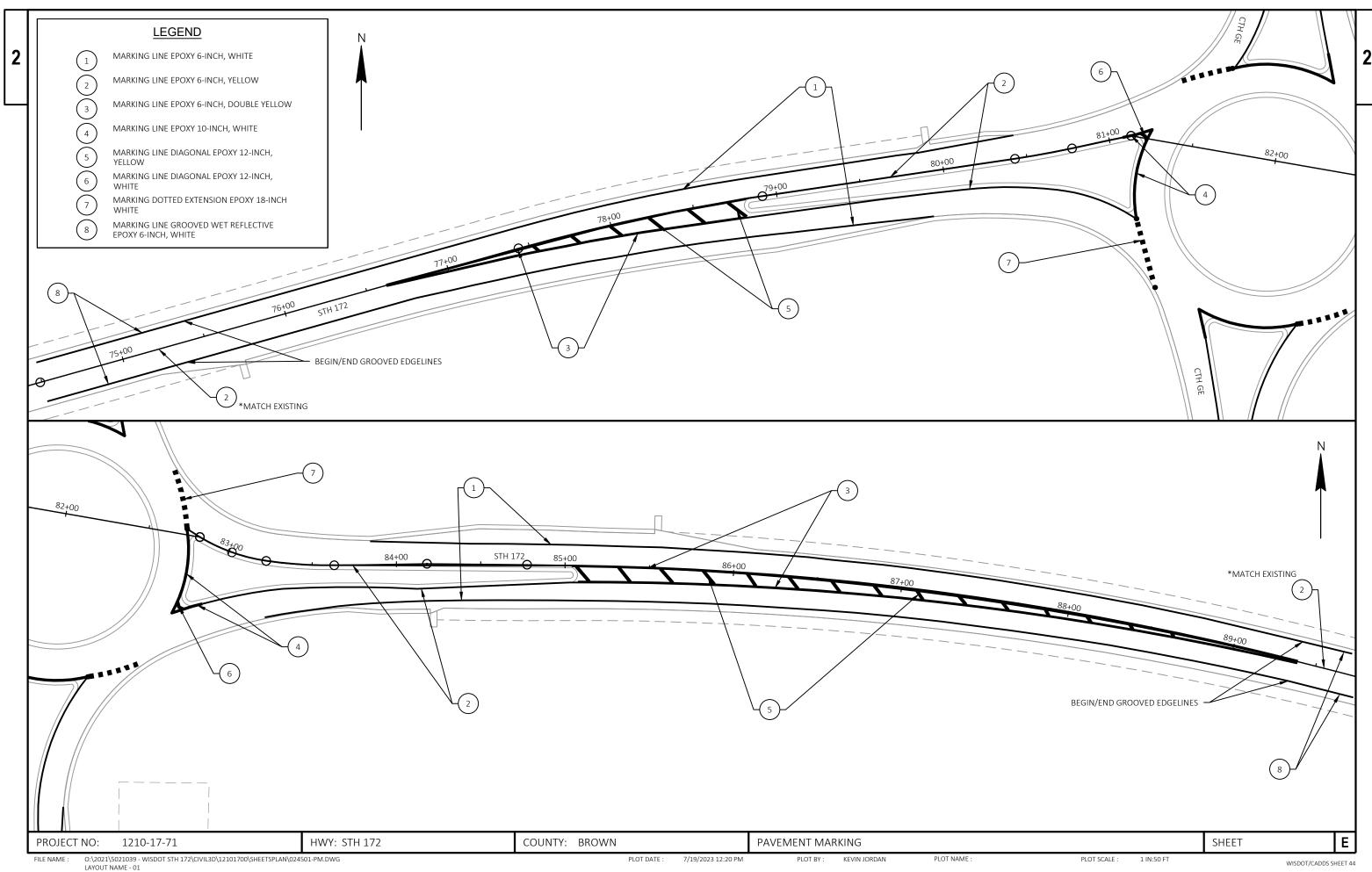
: O:\2021\5021\039 - WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\021001-CD.DWG PLOT DATE : 7/18/2023 11:55 AM PLOT BY : KEVIN JORDAN PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42 AYOUT NAME - 01

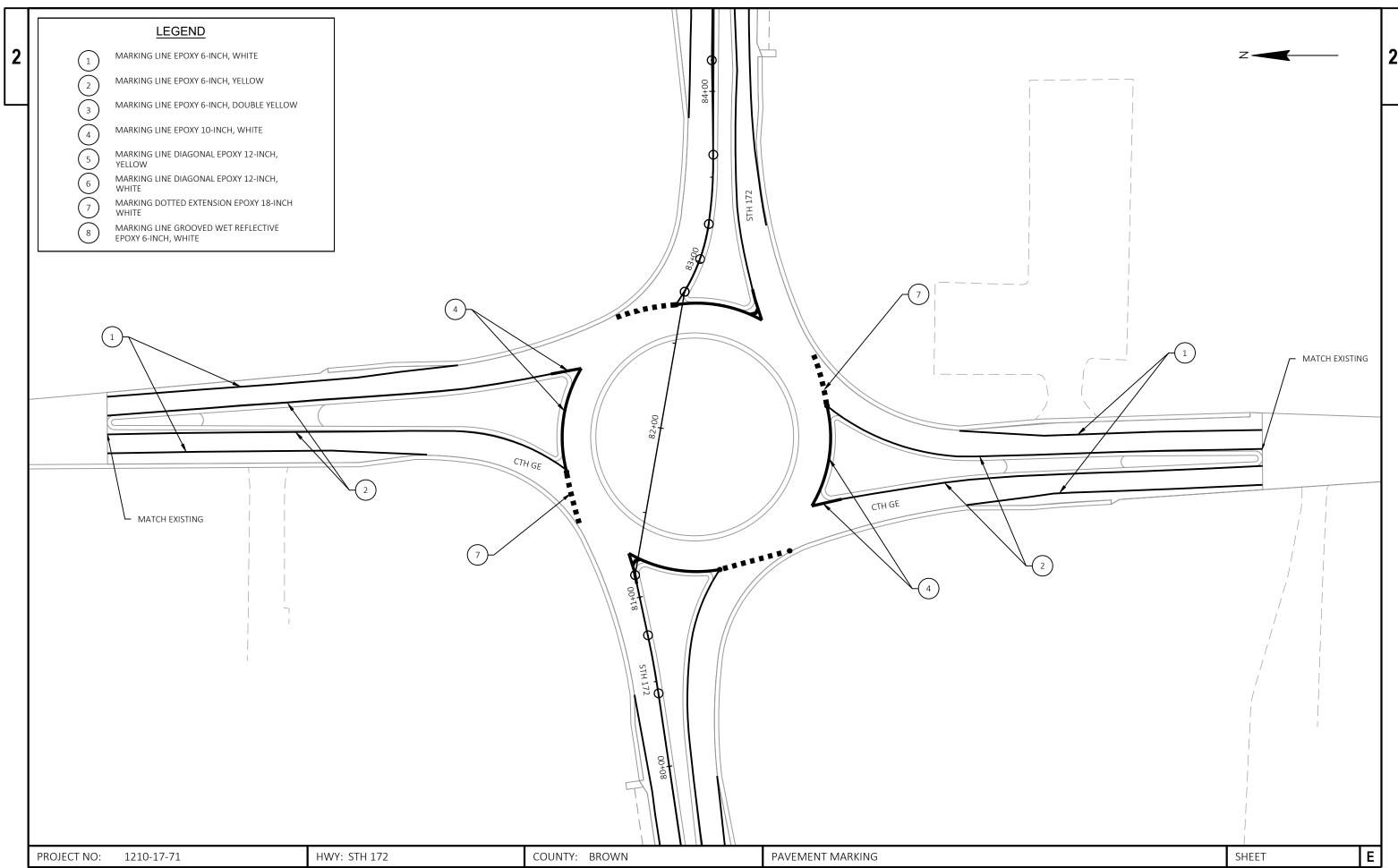


FILE NAME: 0:\2021\5021\9021\\$0.1201\\$

LAYOUT NAME - 02







FILE NAME: O\2021\5021\902 + WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\024501-PM.DWG PLOT DATE: 7/19/2023 12:21 PM PLOT BY: KEVIN JORDAN PLOT NAME: PLOT NAME: 1 IN:50 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 02

## 1) SEE SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" DURING DAYTIME WORKING HOURS

ADDITIONAL STANDARD DETAIL DRAWINGS:

- 2) SEE SDD 15C19-A "MOVING PAVEMENT MARKING OPERATION, TWO-LANE TWO-WAY ROADWAY" DURING MARKING LINE PLACEMENT
- 3) SEE SDD 15D39 "TRAFFIC CONTROL FOR DROP-OFF SIGNING" WHEN UNEVEN LANES ARE PRESENT

#### 1) PLACE MESSAGE BOARDS AS FAR AWAY FROM LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY. THE LOCATION SELECTED SHOULD BE AT OR SLIGHTLY ABOVE THE ELEVATION OF THE ROADWAY. FOR INTERMITTENT WORK, OR WHERE SITE CONDITIONS DO NOT ALLOW OTHERWISE, THE SIGNS MAY BE PLACED ON THE SHOULDER. THE SITE SHOULD BE VISITED TO ASSURE VISIBILITY. SAFETY, AND MAINTENANCE CONSIDERATIONS. A TAPER OF REFLECTORIZED DRUMS OR BARRICADES SHOULD BE PLACED AHEAD OF PCMS PLACED ON THE

SHOULDER IF IT IS NOT SHIELDED BY A BARRIER.

NOTES:

2) PLACE MESSAGE BOARDS AND AND DISPLAY THE "PRIOR TO CONSTRUCTION" ACCORDINGLY. CONTACT WISDOT NE REGION FOR MESSAGES.

M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" 4) SEE SDD 15D44 "TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED MESSAGE 7 CALENDAR DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED SURFACES" WHEN TRAFFIC WILL RUN ON MILLED SURFACE PLACE TRAFFIC CONTROL SIGNS PER "BARRICADES AND SIGNS FOR MAINLINE CLOSURE" IN SDD 15C02 "BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON WORK THAT WILL REQUIRE LANE/ROAD CLOSURES. ADJUST THE MESSAGE DATE RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTION" FOR THE DO NOT START CONSTRUCTION ACTIVITIES ON COUNTY GE AND THE STH 172/GE CLOSURE OF CTH GE AND STH 172 ROUNDABOUT WHILE STH 172 IS DETOURED FOR PROJECT 1210-18-71 STRUCTURE C-05-156 WORK. CLOSE SOUTH LEG OF ROUNDABOUT AND COMPLETE CURB AND GUTTER REPAIR PRIOR TO CLOSING FULL ROUNDABOUT FOR PAVING OPERATIONS. 5) DETOUR SHOWN IN PLANS 1210-18-71 SHALL BE IN PLACE PRIOR TO CLOSING THE STH 172/CTH GE INTERSECTION FERNDELL ACRES DR GE/S PINE TREE EDGAR DR MB SILVER CREEK DR STHEAM MASON ST 23 **BEGIN PROJECT** STA 25+00.00 Y=561,379.777 MB X=58,921.291 R/L STH 172 -MB STANDINGSTONEDR MB3STH 172/AIRPORT DR C-05-0156 -**END PROJECT** STA 145+88.69 MB OVERLAND RD PROJECT NO: 1210-17-71 HWY: STH 172 COUNTY: BROWN TRAFFIC CONTROL SHEET Ε FILE NAME 7/18/2023 2:31 PM PLOT BY: 1 IN:1000 FT

LEGEND:

TRAFFIC CONTROL SIGNS PCMS

PLACE TRAFFIC CONTROL SIGNS PER SDD 15C04 "TRAFFIC CONTROL, ADVANCE

WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN

PLACE W20-1A SIGNS PER "TYPICAL SIDEROAD APPROACH WARNING SIGN

DETAIL" IN SDD 15C04 "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45

MB

PLOT DATE:

PLOT NAME

O:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\025100-TC.DWG

KEVIN JORDAN

PLOT SCALE:

121	0-1	7-71

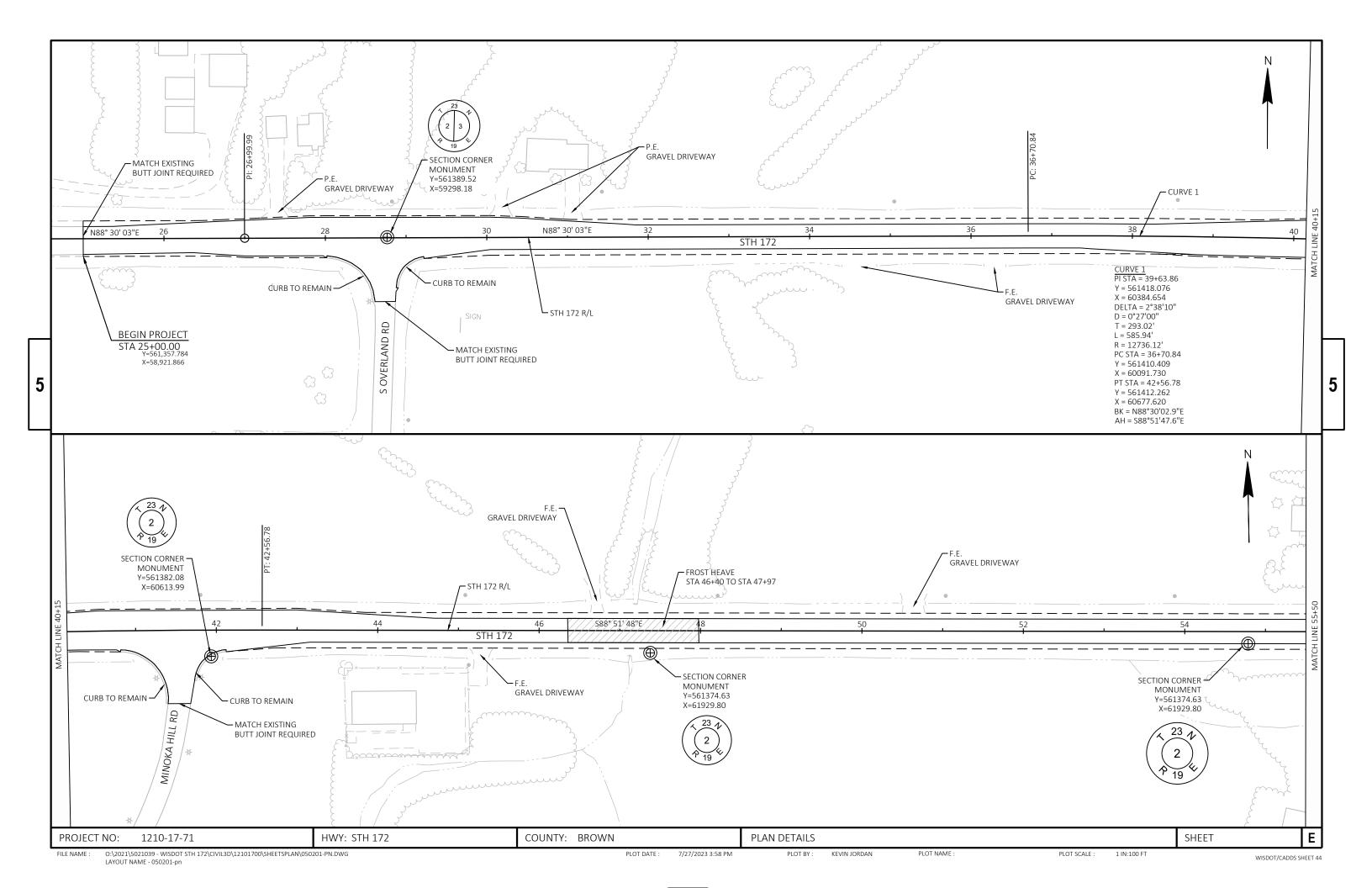
					1210-17-71	
Line	Item	Item Description	Unit	Total	Qty	
0004	204.0110	Removing Asphaltic Surface	SY	142.000	142.000	
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	66.000	66.000	
8000	204.0120	Removing Asphaltic Surface Milling	SY	53,600.000	53,600.000	
0010	204.0150	Removing Curb & Gutter	LF	10.000	10.000	
0020	205.0100	Excavation Common	CY	1,630.000	1,630.000	
0024	209.2500	Backfill Granular Grade 2	TON	125.000	125.000	
0028	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 1210-17-71	EACH	1.000	1.000	
0032	213.0100	Finishing Roadway (project) 01. 1210-17-71	EACH	1.000	1.000	
0036	305.0110	Base Aggregate Dense 3/4-Inch	TON	500.000	500.000	
0038	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	510.000	510.000	
0042	416.0610	Drilled Tie Bars	EACH	4.000	4.000	
0044	450.4000	HMA Cold Weather Paving	TON	11,280.000	11,280.000	
0046	455.0605	Tack Coat	GAL	2,780.000	2,780.000	
0048	460.2000	Incentive Density HMA Pavement	DOL	7,590.000	7,590.000	
0050	460.6223	HMA Pavement 3 MT 58-28 S	TON	5,640.000	5,640.000	
0052	460.6224	HMA Pavement 4 MT 58-28 S	TON	4,230.000	4,230.000	
0054	460.7424	HMA Pavement 4 HT 58-28 H	TON	1,410.000	1,410.000	
0056	465.0105	Asphaltic Surface	TON	20.000	20.000	
0058	465.0110	Asphaltic Surface Patching	TON	200.000	200.000	
0072	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	10.000	10.000	
0078	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1210-17-71	EACH	1.000	1.000	
0082	619.1000	Mobilization	EACH	0.500	0.500	
0084	624.0100	Water	MGAL	11.000	11.000	
0092	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
0094	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0098	628.7015	Inlet Protection Type C	EACH	16.000	16.000	
0118	642.5201	Field Office Type C	EACH	0.500	0.500	
0120	643.0300	Traffic Control Drums	DAY	450.000	450.000	
0122	643.0420	Traffic Control Barricades Type III	DAY	50.000	50.000	
0124	643.0705	Traffic Control Warning Lights Type A	DAY	250.000	250.000	
0126	643.0900	Traffic Control Signs	DAY	635.000	635.000	
0134	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000	
0136	643.3165	Temporary Marking Line Paint 6-Inch	LF	67,370.000	67,370.000	
0138	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	41,240.000	41,240.000	
0144	643.5000	Traffic Control	EACH	0.500	0.500	
0150	646.2020	Marking Line Epoxy 6-Inch	LF	23,490.000	23,490.000	
0152	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	22,040.000	,	
0154	646.4020	Marking Line Epoxy 10-Inch	LF	300.000	300.000	
0160	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	76.000	76.000	
0162	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	43,690.000	43,690.000	
0166	646.7120	Marking Diagonal Epoxy 12-Inch	LF	611.000	611.000	
0174	650.8000	Construction Staking Resurfacing Reference	LF	12,075.000	12,075.000	
0176	650.9911	Construction Staking Supplemental Control (project) 01. 1210-17-71	EACH	1.000	1.000	
0182	690.0150	Sawing Asphalt	LF	135.000	135.000	
0184	690.0250	Sawing Concrete	LF	5.000	5.000	
0188	740.0440	Incentive IRI Ride	DOL	18,320.000	18,320.000	
0190	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000	
0192		On-the-Job Training Graduate at \$5.00/HR	HRS	1,320.000	1,320.000	
J . J_				.,0_0.000	.,0_0.000	

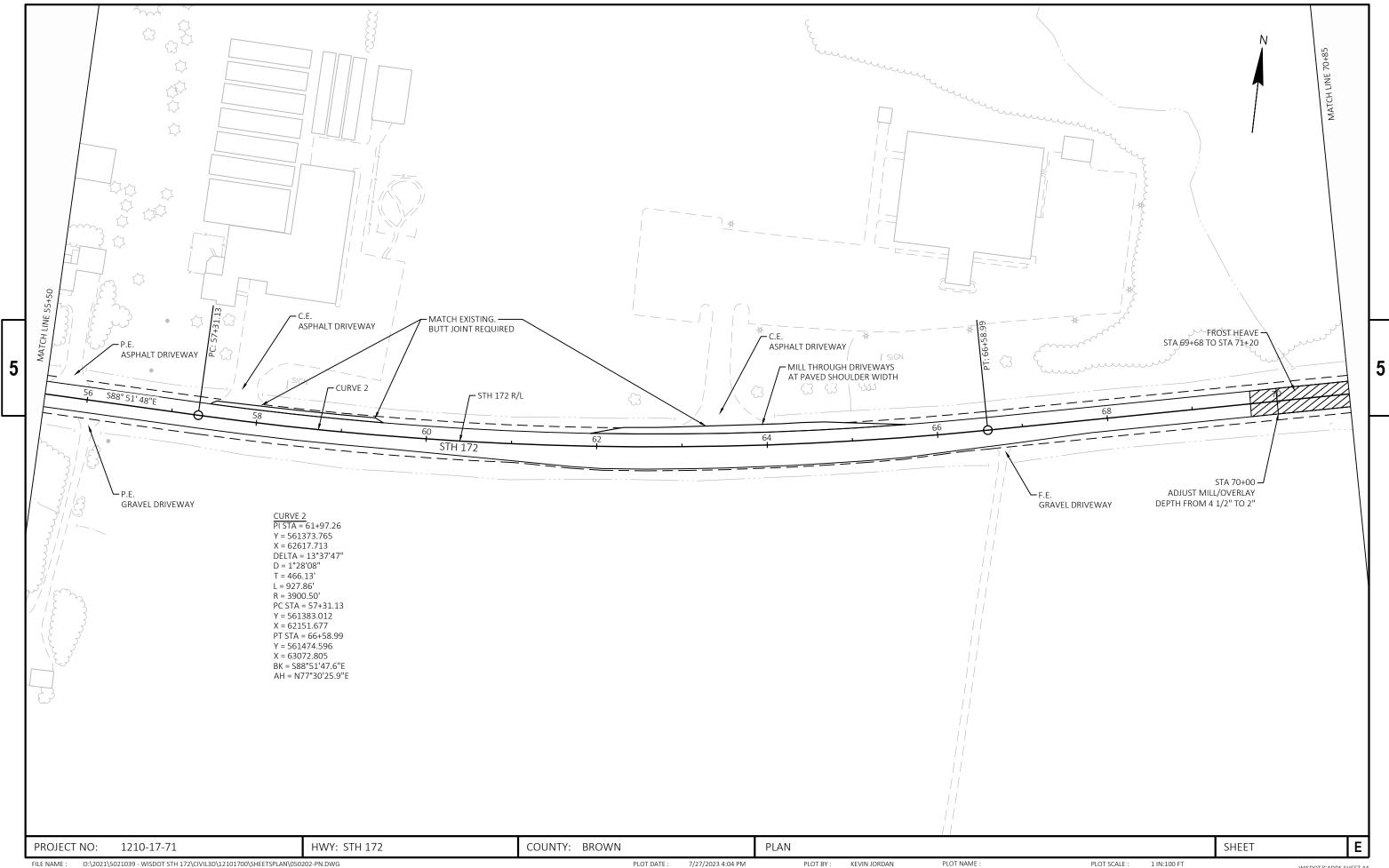
				0010	47+18	STH 172 FROST HEA		65	260	60				
				CATEGORY	STATION	LOCATION	EXCAVATIOI COMMON CY	N BACKFILL GRANULAR GRADE 2 TON	BASE AGGREG DENSE 1 1/4-II TON		ALT			
							205.0100		305.0120					
							FROST HEAVE RE	<u>PAIRS</u>		*				
			TOTAL 00	10 1										
	0010		- 145+75 STH 172	2 1						0010 P	ROJECT 1210-17-7 TOTAL 0010	71 1		
	CATEGO	RY STATION T	o station locatic	PAVING (01. 1210-17: N EACH					-	CATEGORY	LOCATION	EACH		
				FOUNDATION ASPHALTIC	FOR							213.0100.01 FINISHING ROAD (01. 1210-17-7	WAY	
-				211.0101.0 PREPARE						<u>FI</u>	<u>INISHING ROADWA</u>			
		<u>P</u>	REPARE FOUNDATION								MICHAEL 27 17 1			
			TOTAL 0010	_	142	66	53,600							
0010 0010 0010	22	8+26'GE' 2+24'GE' 7+00'GE'	CTH GE NORTH CTH GE SAFETY ISLA CTH GE SAFETY ISLA	AND	- 60 80	8 - -	- - -							
0010 0010 0010	220+81'0	41+53 GE' - 223+31GE	MINTOKA HILL R CTH GE SOUTH	D	- - 2	6 10	- - -							
0010 0010	1	44+30 45+89 28+76	STH 172 EB STH 172 WB OVERLAND RD		-	8 8	-				*ADDI	TIONAL QUANTITIES ELS	EWHERE	
0010 0010 0010	-	25+00 70+00 96+71	STH 172 STH 172 STH 172		- - -	, 7 7	- -		TOTAL 0010	10	4	10	15	5
0010 0010	70+00 - 96+71 - 1	96+71 45+75	ROUNDABOUT AND FOUR A STH 172	PPROACHES	-	- - 7	12,600 23,000	CATEGORY 0010	LOCATION  CTH GE	10	EACH 4	LF 10	LF 15	<u>LF</u> 5
CATEGORY 0010		TATION 70+00	LOCATION STH 172		SY -	SY -	18,000			REMOVING CURB & GUTTER	DRILLED TIE BARS	CONCRETE CURB & GUTTER 30- INCH TYPE D	SAWING ASPHALT	SAWING CONCRETE
					REMOVING ASPHALTIC SURFACE	ASPHALTIC SURFACE BUTT JOINTS	ASPHALTIC SURFACE MILLING			204.0150	416.0610	601.0411	* 690.0150	690.0250
					204.0110	204.0115 REMOVING	204.0120 REMOVING					CURB & GUTTER REPAI	<u>R</u>	
					204 0110	204 0115	204 0120							

DENSE 3/A-INCH  CATEGORY STATION TO STATION LOCATION TON REMARKS  0010 25+00 - 145+75 SHOULDERS 500 MATERIAL PLACED AS DIRECTED BYENGINEER  TOTAL 0010 500  HIMA PAVEMENT
<u>HMA PAVEMENT</u>
HMA PAVEMENT
HMA PAVEMENT
450.4000 455.0605 460.6223 460.6224 460.7424 465.0105 465.0110  HMA COLD  WEATHER HMA PAVEMENT HMA PAVEMENT HMA PAVEMENT ASPHALTIC SURFACE
PAVING TACK COAT 3 MT 58-28 S 4 MT 58-28 S 4 HT 58-28 H SURFACE PATCHING CATEGORY STATION TO STATION LOCATION TON GAL TON TON TON TON TON
0010 25+00 - 70+00 STH 172 4,650 920 2,840 1,810
0010 96+71 - 135+90 STH 172 3,800 750 2,320 1,480
0010 135+90 - 144+30 STH 172 EB 415 210 - 415
0010 28+75 S. OVERLAND RD 30 10 - 30
0010 41+50 MINOKA HILL DRIVE 35 20 - 35

		WATER					<u> 1</u>	EROSION CONTROI	<u>L MOBILIZATION</u>	
CATFOONY   STATION   TO   STATION		624.010 WATER CATEGORY LOCATION MGAL	l .				'	PROJECT 12	MOBILIZATIONS  MOBILIZATIONS  EMERGENCY  EROSION  CONTROL  CONTROL  EACH  EACH  10-17-71  1  1	
CATFOONY   STATION   TO   STATION										
					EROSION CONTROL					
						628.701	15			
CATEGORY   STATION   TO   STATION						INLET				
CATEGORY   STATION   TO STATION   LOCATION   EACH   DAY   STATION   LOCATION   EACH   DAY   STATION   LOCATION   EACH   DAY   STATION   LOCATION   EACH   DAY   EACH   EACH   DAY   EACH   EAC										
CATEGORY   LOCATION   STANDAY CONTROL STORM   SALE   SAL			CA	ATEGORY STATION	I TO STATION LO					
CATEGORY   LOCATION   CONTROL   CO				0010 78+50	S	STH 172 3				
ORDING   124+00   CTH 6E   5   1   1   1   1   1   1   1   1   1				0010 82+00	S	STH 172 2				
				0010 85+00		TH 172 2				
STRAFFIC   TRAFFIC CONTROL				0010 224+00						
643.0300					- 221+50	CTH GE 5 CTH GE 4				
643.0300					- 221+50	CTH GE 5 CTH GE 4				
TRAFFIC   TRAFFIC   TRAFFIC   CONTROL   WARNING LIGHTS   TRAFFIC CONTROL   CONTROL SIGNS   CONTROL SIGNS   CONTROL   CONTROL SIGNS   CON				0010 220+50	- 221+50 TO	CTH GE 5 CTH GE 4				
TRAFFIC   TRAFFIC   TRAFFIC   CONTROL   WARNING LIGHTS   TRAFFIC CONTROL   CONTROL SIGNS   CONTROL SIGNS   CONTROL   CONTROL SIGNS   CON				0010 220+50	- 221+50 TO	CTH GE 5 CTH GE 4				
CATEGORY         LOCATION         BARRICADES TYPE III         TYPE A         SIGNS         PCMS         CONTROL           0010         STH 172 ADVANCED SIGNING         30         450         -         -         -         10         150         2         14         -         PLACE PCMS SIGNS 7 DAYS PRIOR TO CONSTRUCTION           0010         STH 172 ADVANCED SIGNING         30         450         -         -         -         8         120         -         -         -           0010         STH 172 MILLED SURFACE         -         -         -         -         4         60         -         -         -           0010         STH 172 PAVEMENT MARKING         -         -         -         -         4         60         -         -         -           0010         SIDE ROADS ADVANCED WARNING         -         -         -         -         -         8         120         -         -         -           0010         SIDE ROADS MILLED SURFACE         -         -         -         -         8         120         -         -         -           0010         SIDE ROADS MILLED SURFACE         -         -         -         -         -				0010 220+50  TRAFFIC CONT	- 221+50 TO	CTH GE 5 CTH GE 4 TAL 0010 16	643.1050	643.5000		
CATEGORY         LOCATION         EACH         DAY			643.0300 TRAFFIC	0010 220+50  TRAFFIC CONT  643.0420	- 221+50 TO TO  TROL  643.0705 TRAFFIC CONTROL	CTH GE 5 CTH GE 4 TAL 0010 16	TRAFFIC			
0010 STH 172 MILLED SURFACE 8 120			643.0300 TRAFFIC CONTROL	0010 220+50  TRAFFIC CONT  643.0420  TRAFFIC CONTROL	- 221+50 TO TO TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS	CTH GE 5 CTH GE 4 TAL 0010 16	TRAFFIC CONTROL SIGNS	TRAFFIC		
0010 STH 172 MILLED SURFACE 88 120	CATEGOR	Y LOCATION	643.0300 TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADES TYPE III	- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	CTH GE 5 CTH GE 4 TAL 0010 16	TRAFFIC CONTROL SIGNS PCMS	TRAFFIC CONTROL	REMARKS	_
0010       STH 172 PAVEMENT MARKING       -       -       -       -       -       -       -       4       60       -       -       -       -         0010       SIDE ROADS ADVANCED WARNING       -       -       -       -       -       -       -       8       120       -       -       -         0010       SIDE ROADS MILLED SURFACE       -       -       -       -       -       -       -       4       60       -       -       -       -         0010       STH 172/GE ROUNDABOUT AND COUNTY GE APPROACHES       -       -       20       50       100       250       26       65       4       28       -       PLACE PCMS SIGNS 7 DAYS PRIOR TO CONSTRUCTION         0010       PROJECT 1210-17-71       - <t< td=""><td></td><td></td><td>643.0300 TRAFFIC CONTROL DRUMS EACH DAY</td><td>TRAFFIC CONTROL BARRICADES TYPE III</td><td>- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A</td><td>CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY</td><td>TRAFFIC CONTROL SIGNS PCMS EACH DAY</td><td>TRAFFIC CONTROL EACH</td><td></td><td>_</td></t<>			643.0300 TRAFFIC CONTROL DRUMS EACH DAY	TRAFFIC CONTROL BARRICADES TYPE III	- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY	TRAFFIC CONTROL SIGNS PCMS EACH DAY	TRAFFIC CONTROL EACH		_
0010 SIDE ROADS ADVANCED WARNING 8 120	0010	STH 172 ADVANCED SIGNING	643.0300 TRAFFIC CONTROL DRUMS EACH DAY	TRAFFIC CONTROL BARRICADES TYPE III	- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY	TRAFFIC CONTROL SIGNS PCMS EACH DAY	TRAFFIC CONTROL EACH		_
0010 SIDE ROADS MILLED SURFACE 4 60	0010 0010 0010	STH 172 ADVANCED SIGNING STH 172 MILLED SURFACE STH 172 UNEVEN LANES	643.0300 TRAFFIC CONTROL DRUMS EACH DAY 30 450	TRAFFIC CONTROL BARRICADES TYPE III	- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH DAY	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY  10 150 8 120 4 60	TRAFFIC CONTROL SIGNS PCMS EACH DAY  2 14	TRAFFIC CONTROL EACH - -		
0010 STH 172/GE ROUNDABOUT AND COUNTY GE APPROACHES 20 50 100 250 26 65 4 28 - PLACE PCMS SIGNS 7 DAYS PRIOR TO CONSTRUCTION 0010 PROJECT 1210-17-71 0.5	0010 0010 0010 0010	STH 172 ADVANCED SIGNING STH 172 MILLED SURFACE STH 172 UNEVEN LANES STH 172 PAVEMENT MARKING	643.0300 TRAFFIC CONTROL DRUMS EACH DAY 30 450  	TRAFFIC CONT  643.0420  TRAFFIC CONTROL BARRICADES TYPE III EACH DAY	- 221+50 TO TO TO TO TO  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH DAY	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY  10 150 8 120 4 60 4 60	TRAFFIC CONTROL SIGNS PCMS EACH DAY  2 14	TRAFFIC CONTROL EACH - - - -		_
<del>_</del>	0010 0010 0010 0010 0010	STH 172 ADVANCED SIGNING STH 172 MILLED SURFACE STH 172 UNEVEN LANES STH 172 PAVEMENT MARKING SIDE ROADS ADVANCED WARNING	643.0300 TRAFFIC CONTROL DRUMS EACH DAY 30 450  	TRAFFIC CONTROL BARRICADES TYPE III EACH DAY	- 221+50 TO TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH DAY	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY  10 150 8 120 4 60 4 60 8 120	TRAFFIC CONTROL SIGNS PCMS EACH DAY  2 14	TRAFFIC CONTROL EACH		_
TOTAL COLD	0010 0010 0010 0010 0010 0010 0010	STH 172 ADVANCED SIGNING STH 172 MILLED SURFACE STH 172 UNEVEN LANES STH 172 PAVEMENT MARKING SIDE ROADS ADVANCED WARNING SIDE ROADS MILLED SURFACE STH 172/GE ROUNDABOUT AND COUNTY GE APPRO	643.0300 TRAFFIC CONTROL DRUMS EACH DAY 30 450   	TRAFFIC CONTROL BARRICADES TYPE III EACH DAY	- 221+50 TO TO TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH DAY	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY  10 150 8 120 4 60 4 60 8 120 4 60	TRAFFIC CONTROL SIGNS PCMS EACH DAY  2 14	TRAFFIC CONTROL EACH	PLACE PCMS SIGNS 7 DAYS PRIOR TO CONSTRUCTION	-
	0010 0010 0010 0010 0010 0010 0010	STH 172 ADVANCED SIGNING STH 172 MILLED SURFACE STH 172 UNEVEN LANES STH 172 PAVEMENT MARKING SIDE ROADS ADVANCED WARNING SIDE ROADS MILLED SURFACE STH 172/GE ROUNDABOUT AND COUNTY GE APPROPROJECT 1210-17-71	643.0300 TRAFFIC CONTROL DRUMS EACH DAY  30 450	TRAFFIC CONT  643.0420  TRAFFIC CONTROL BARRICADES TYPE III EACH DAY  20 50	- 221+50 TO  TO  TO  TROL  643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH DAY	CTH GE 5 CTH GE 4 TAL 0010 16  643.0900  TRAFFIC CONTROL SIGNS EACH DAY  10 150 8 120 4 60 4 60 4 60 8 120 4 60 26 65	TRAFFIC CONTROL SIGNS PCMS EACH DAY  2 14 4 28	TRAFFIC CONTROL EACH  0.5	PLACE PCMS SIGNS 7 DAYS PRIOR TO CONSTRUCTION	

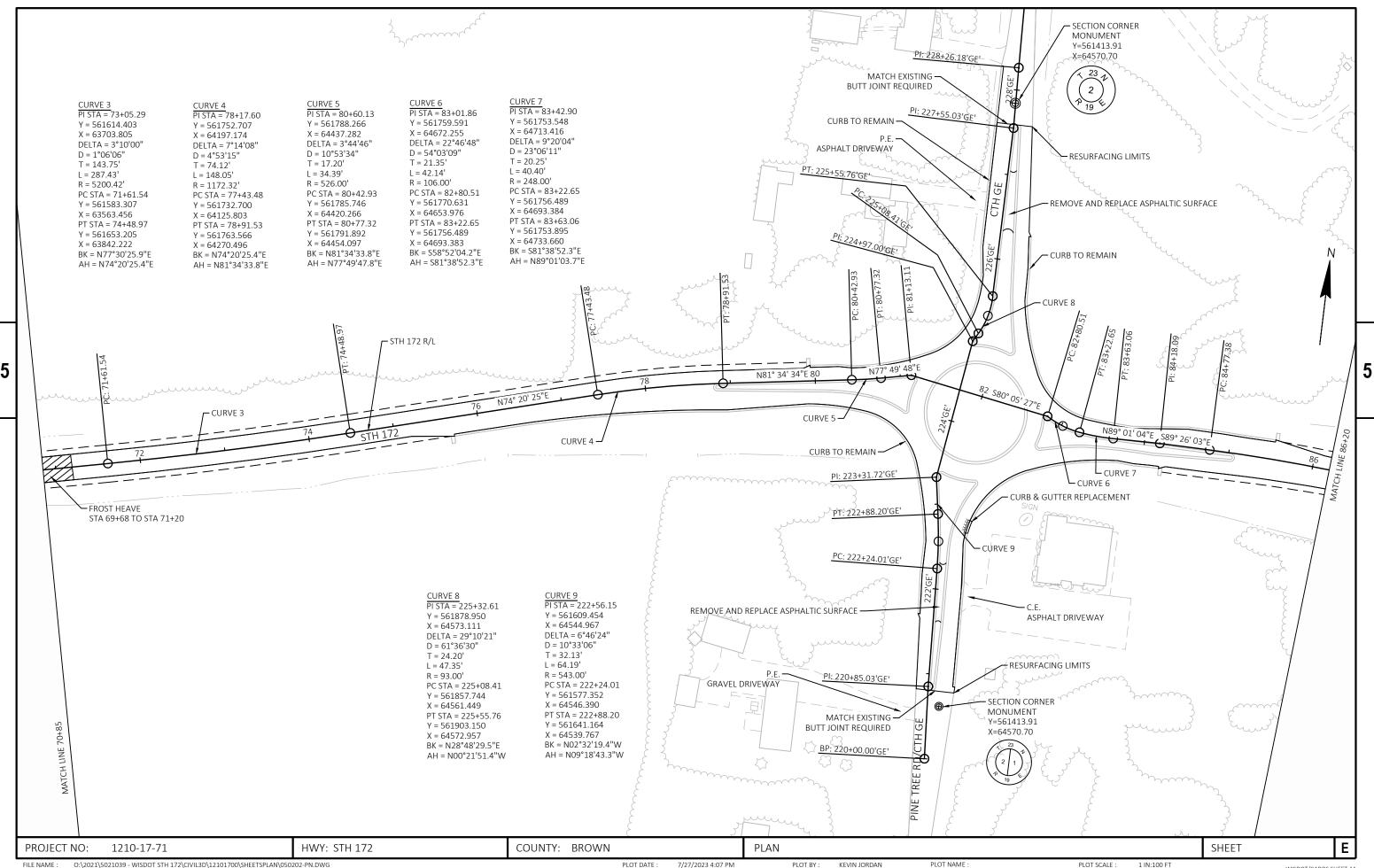
				_CATEGORY STATIO	on to statio	on location	643.3170 TEMPORARY MARKING LIN EPOXY 6-INCH LF		E		
				0010 25+0 0010 25+0 0010 70+0 0010 70+0 0010 96+7 0010 96+7 0010 135+9	0 - 70+0 0 - 96+7 0 - 96+7 1 - 135+9 1 - 135+9 0 - 145+8	STH 172 - WHI STH 172 - YELLO STH 172 - YELLO STH 172 - YELLO STH 172 - YELLO STH 172 - WHI STH 172 - YELLO	TE 9,000 DW 5,880 TE 5,910 DW 4,800 TE 7,840 DW 1,570 TE 1,740	9,000 18,000 5,880 5,910 9,590 15,680 1,570 1,740 67,370	_		
						PAVEMENT MARKIN	IG				
					646.6320 MARKING DOTTED EXTENSION EPOXY 18-ING		646.2040 MARKING LINE GROOVED WET REF EPOXY 6- INCH	646.2020 MARKING LINE EPOXY 6-INCH	646.6466  COLD WEATHER MARKING EPOXY 6-INCH	646.4020 MARKING LINE EPOXY 10-INCH	
CATEGORY 0010	STATION 25+00	TO -	STATION 145+89	LOCATION  YELLOW CENTERLINE	LF -	LF -	LF -	LF 15,400	LF 15,400	LF	REMARKS
0010 0010 0010	25+00 25+00 137+36	- - -	145+89 144+30 145+89	WB WHITE EDGELINE EB WHITE EDGELINE WB WHITE LANE CONTRAST	- - -	- - -	10,830 10,690 220	- - -	10,830 10,690 220		
0010 0010 0010	137+36	-	144+30	EB WHITE LANE CONTRAST ROUNDABOUT - YELLOW DIAGONA ROUNDABOUT - WHITE DIAGONA	<u> </u>	- 600 11	300 - -	- - -	300 - -		SEE PAVEMENT MARKING PLAN SEE PAVEMENT MARKING PLAN
0010 0010 0010 0010 0010	127.26		121.05	ROUNDABOUT - WHITE  ROUNDABOUT - YELLOW  ROUNDABOUT SKIPS  CTH GE YELLOW CENTERLINE  CTH GE WHITE OUTSIDE LANE	- - 76 - -	- - - - -	- - - -	1,840 4,460 - 1,040 750	4,460 - 1,040 750	300	SEE PAVEMENT MARKING PLAN
0010	127+36	-	131+65	STH 172 MEDIAN TOTAL 0010	76	611	22,040	23,490	43,690	300	
ļ	MAINTENANC	E AND R	<u>EPAIR</u>								<u>CONSTRUCTION STAKING</u>
CATEGORY	LOCA	TION	MAI AND HAI (PRO 12:	.0100.01 NTENANCE REPAIR OF JL ROADS DIECT) (01. .0-17-71) EACH			_	CATEGORY ST.	ATION TO STA'	tion locatio	650.8000 650.9911.01 CONSTRUCTION CONSTRUCTION STAKING STAKING RESURFACING SUPPLEMENTAL REFERENCE CONTROL 1210-17-71 N LF EACH
0010	PROJECT 1 TOTAL	210-17-		1 1			_		5+00 - 145		-17-71 12,075 1

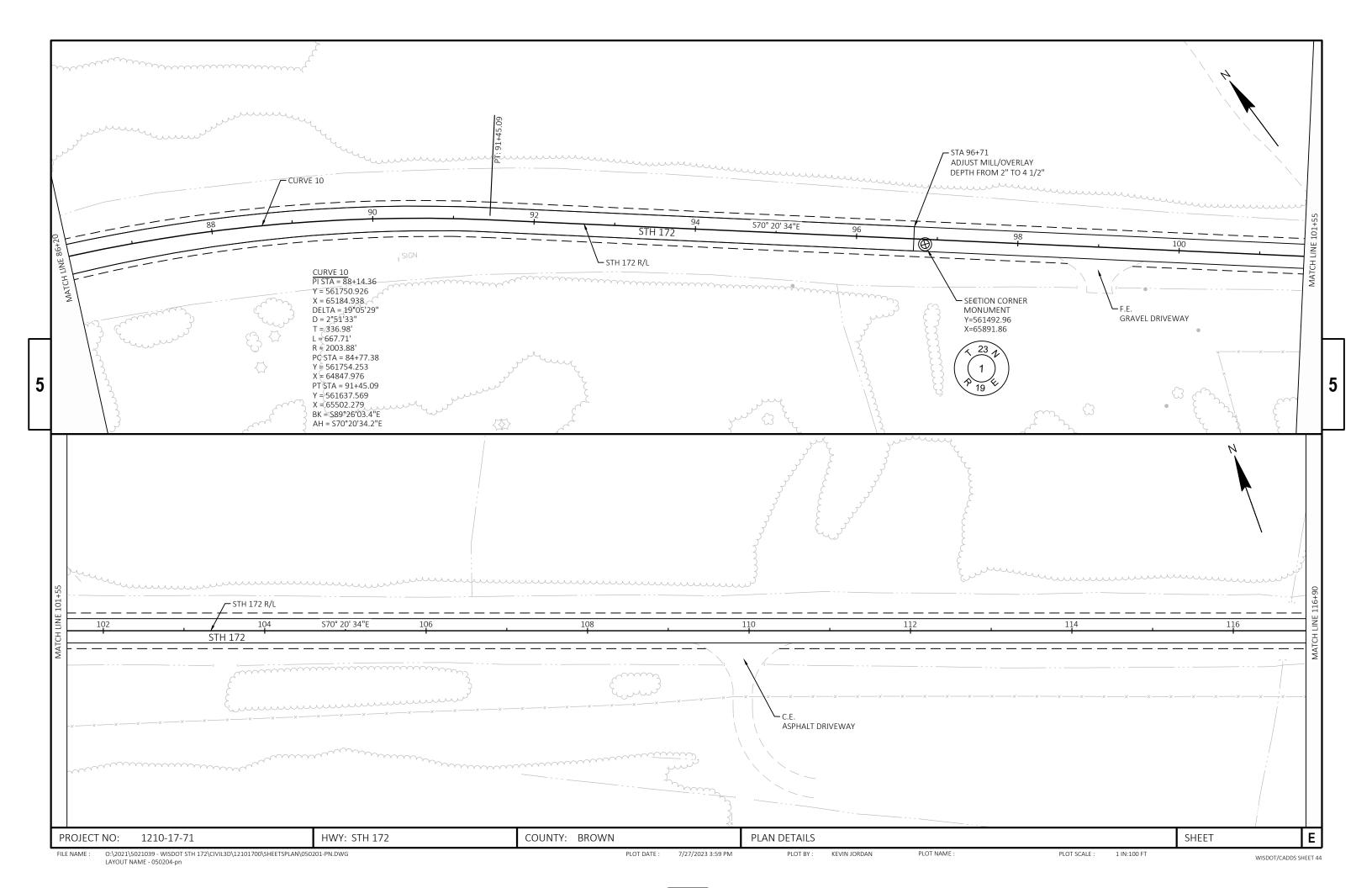


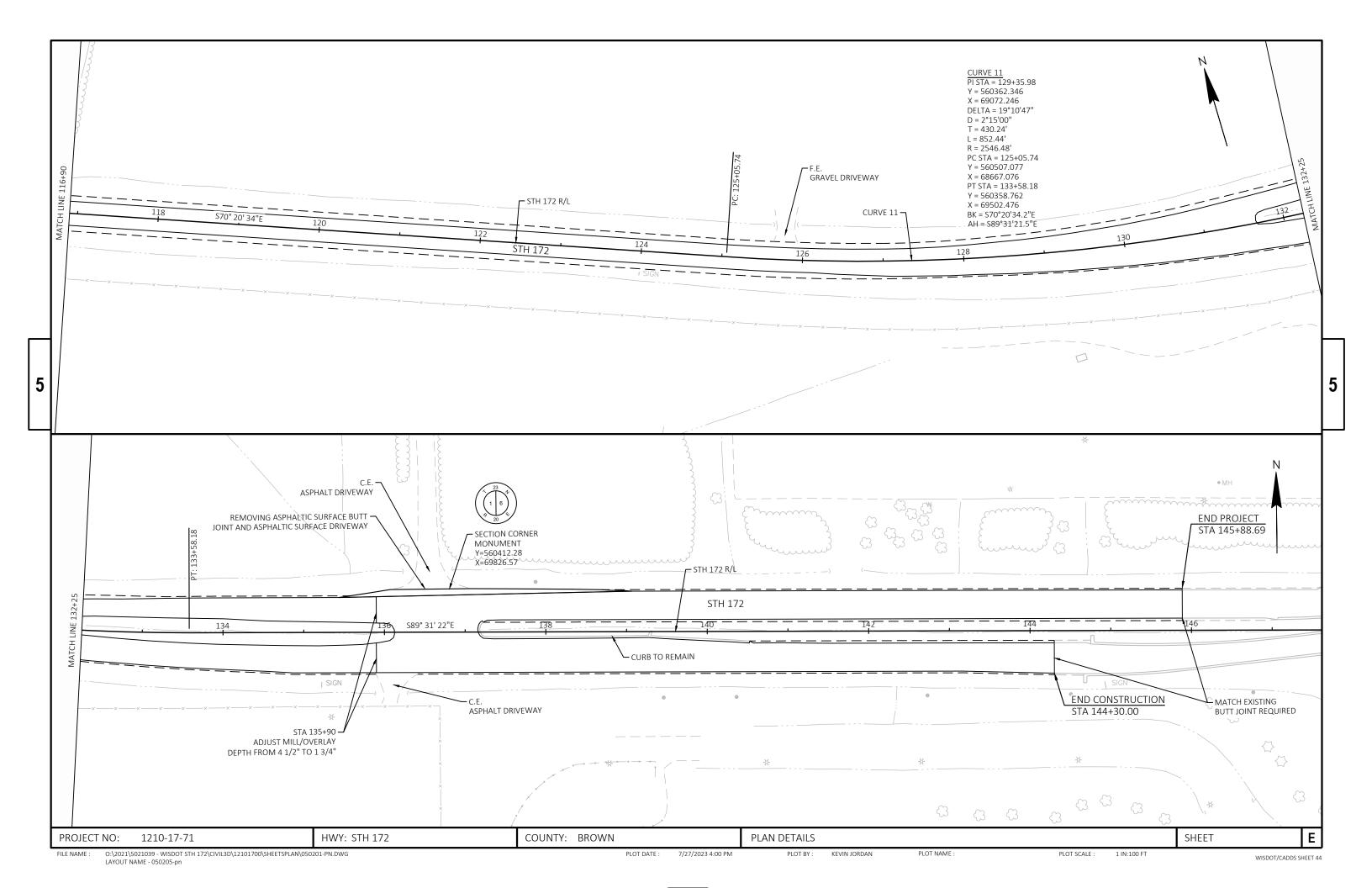


WISDOT/CADDS SHEET 44

O:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101700\SHEETSPLAN\050202-PN.DWG LAYOUT NAME - 050202-pn FILE NAME : PLOT DATE : 7/27/2023 4:04 PM PLOT BY: KEVIN JORDAN PLOT NAME : PLOT SCALE :

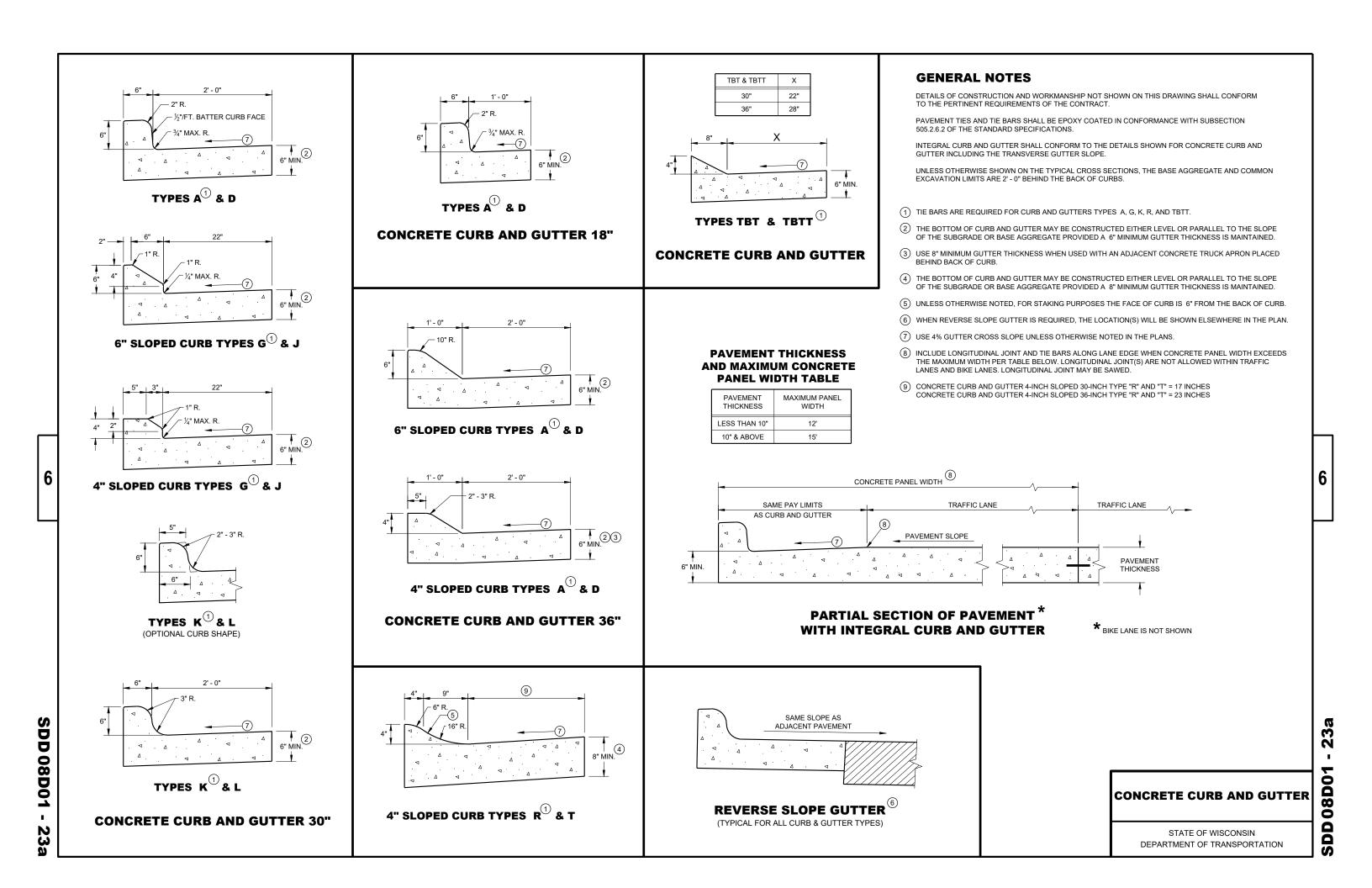


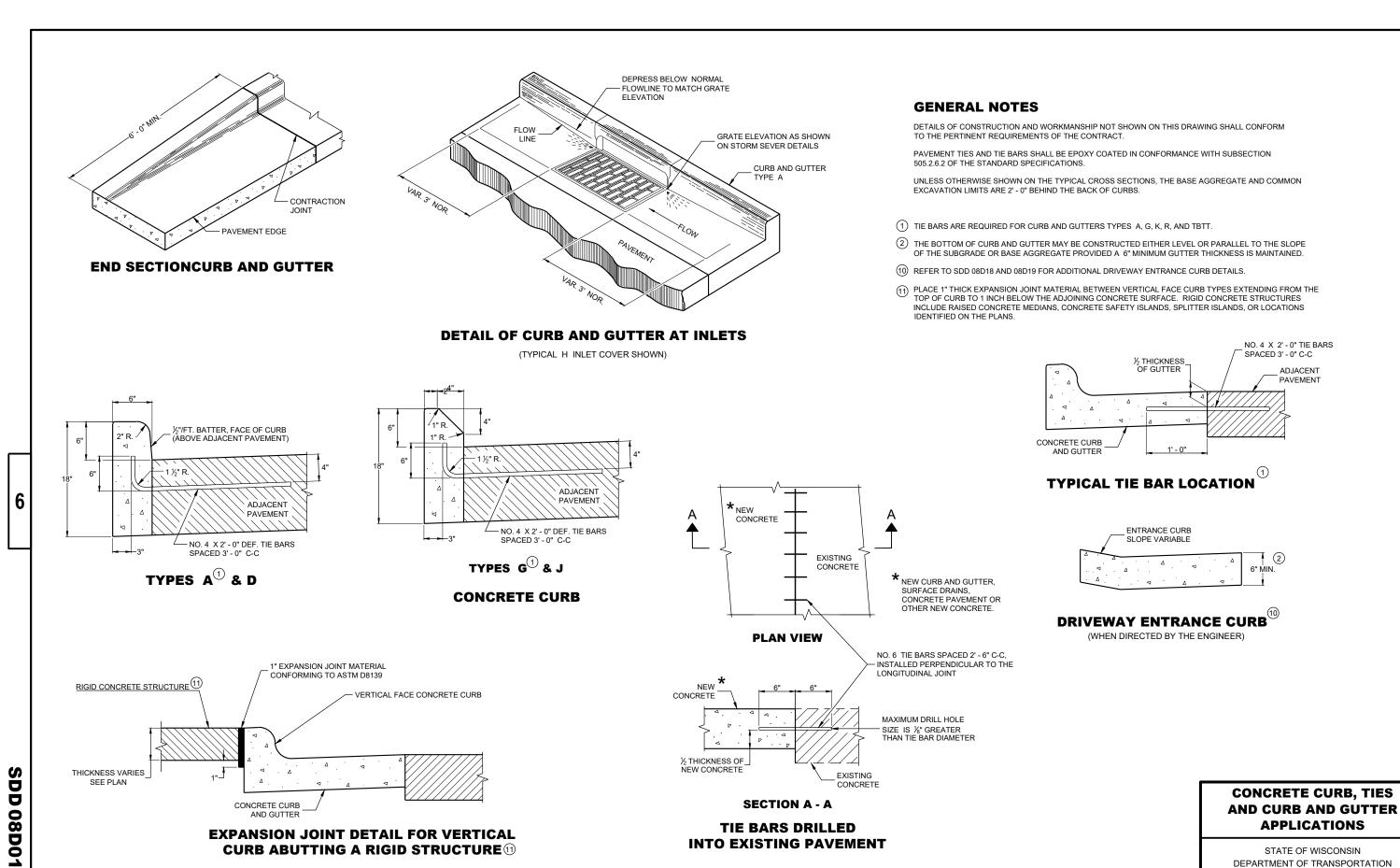




# Standard Detail Drawing List

08D01-23A CONCRETE CURB & GUTTER	
08D01-23B CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS	
08e10-02 INLET PROTECTÍON TYPE A, B, C AND D	
13C19-03 HMA LONGITUDINAL JOINTS	
14B29-01 SAFETY EDGE	
15CO2-09A BARRICADES AND SIGNS FOR MAINLINE CLOSURES	
15CO2-09B BARRICADES AND SIGNS FOR VARIOUS CLOSURES	
15CO3-O5 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES	
15C04-05 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN	TO TRAFFIC
15C08-23A PERMANENT LONGITUDINAL PAVEMENT MARKINGS	
15C08-23B TEMPORARY LONGITUDINAL PAVEMENT MARKING	
15C08-23C PAVEMENT MARKING (TURN LANES)	
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	
15C18-08A MEDIAN ISLAND MARKING PAVEMENT MARKINGS	
15C19-08A MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
15C19-08C MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY	
15C21-11 SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS	
15C35-06A PAVEMENT MARKING (INTERSECTIONS)	
15C35-06B PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)	
15C35-06C PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)	
15D39-02 TRAFFIC CONTROL, DROP-OFF SIGNING	
15D44-02 TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES	
15D51-01 TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY	



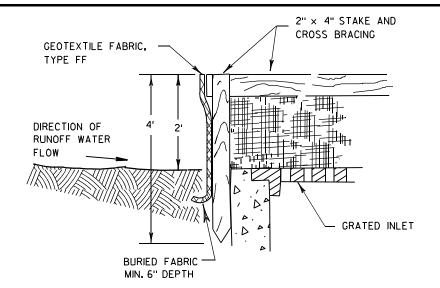


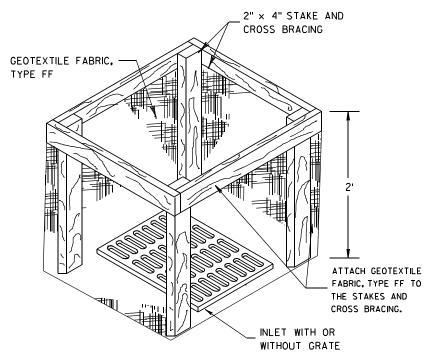
2 **080** 

/S/ Rodnery Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

APPROVED

May 2023
DATE





## INLET PROTECTION, TYPE A

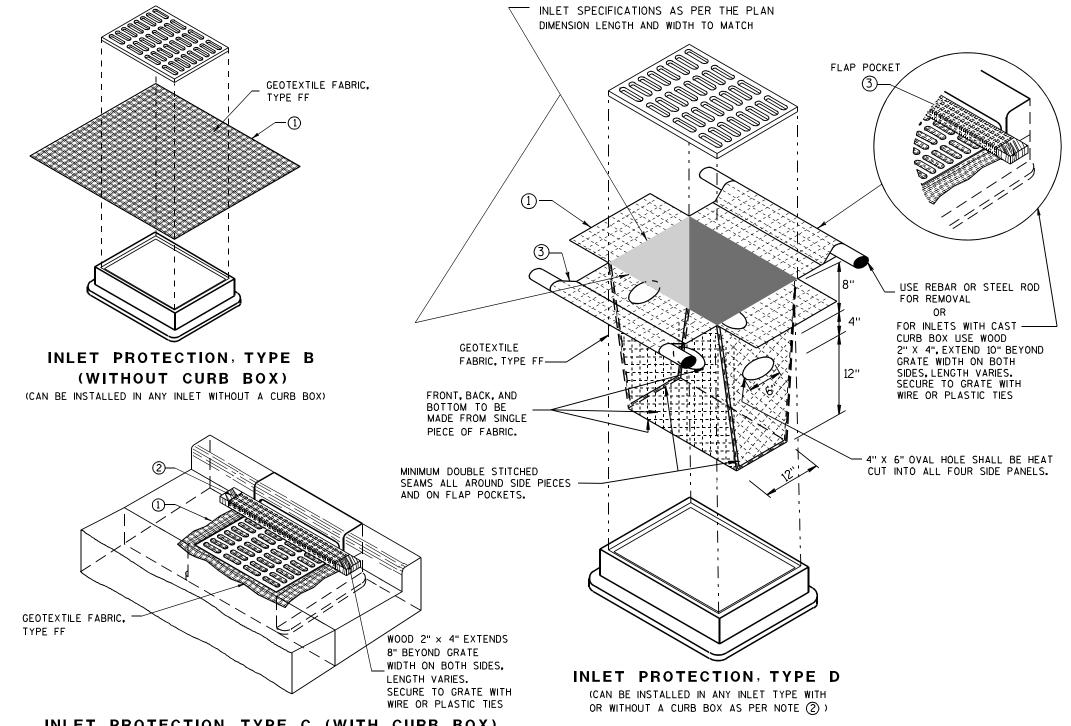
## **GENERAL NOTES**

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

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.



## INLET PROTECTION, TYPE C (WITH CURB BOX)

## **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

6

0

ш

 $\infty$ 

Ω

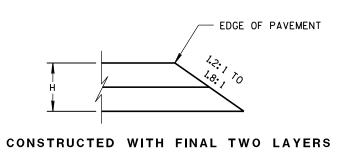
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

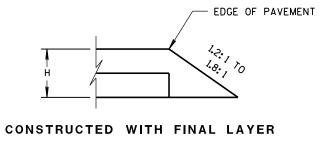
APPROVED

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

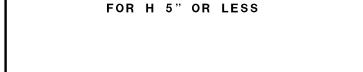
10/16/02

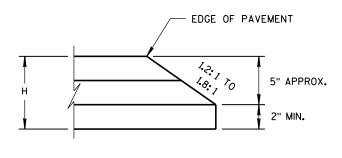






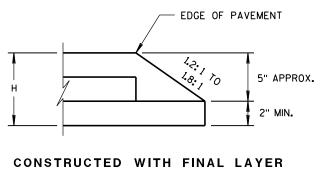
FOR H 5" OR LESS



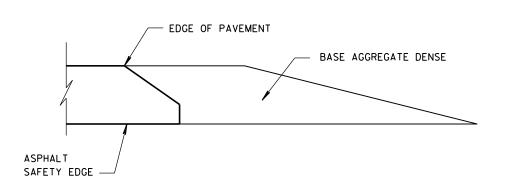


CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"



FOR H GREATER THAN 5"



FINISHED SHOULDER AGGREGATE PLACEMENT

HMA PAVEMENT AND HMA OVERLAYS

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

 $\mathbf{\omega}$ 

Ω

Ω

APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

6





#### **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

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"

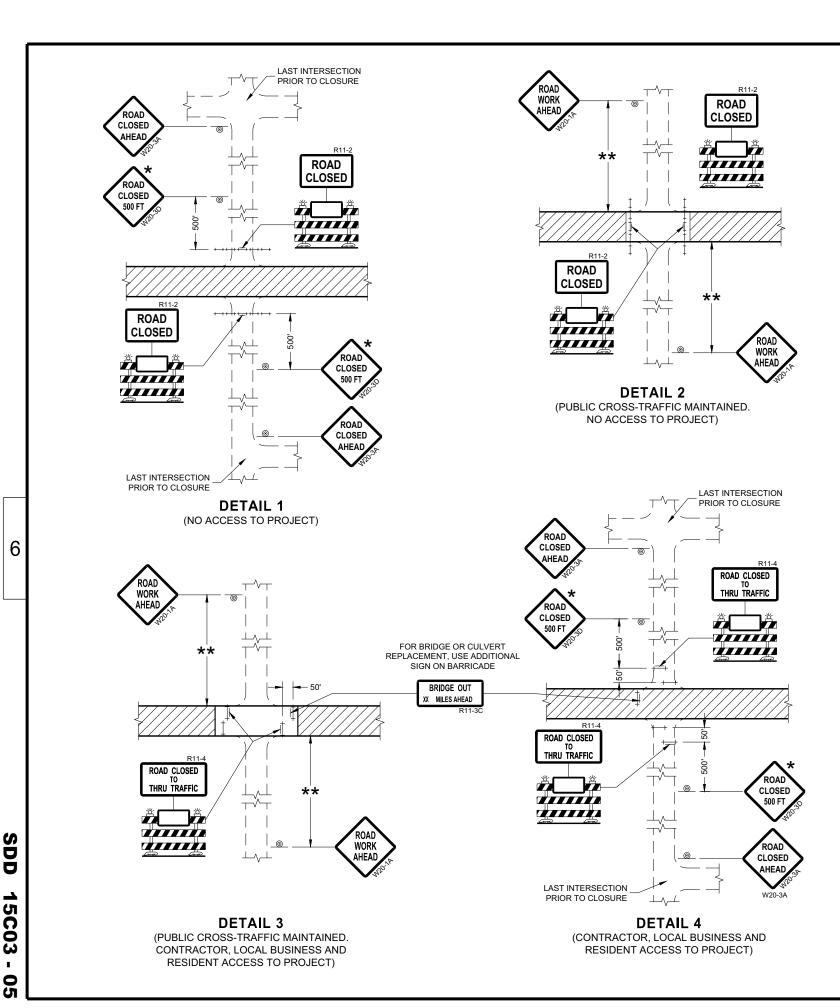
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> 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
- "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 WORK ZONE ENGINEER

Ò 0 Ŋ



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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- \*\* 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

#### LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

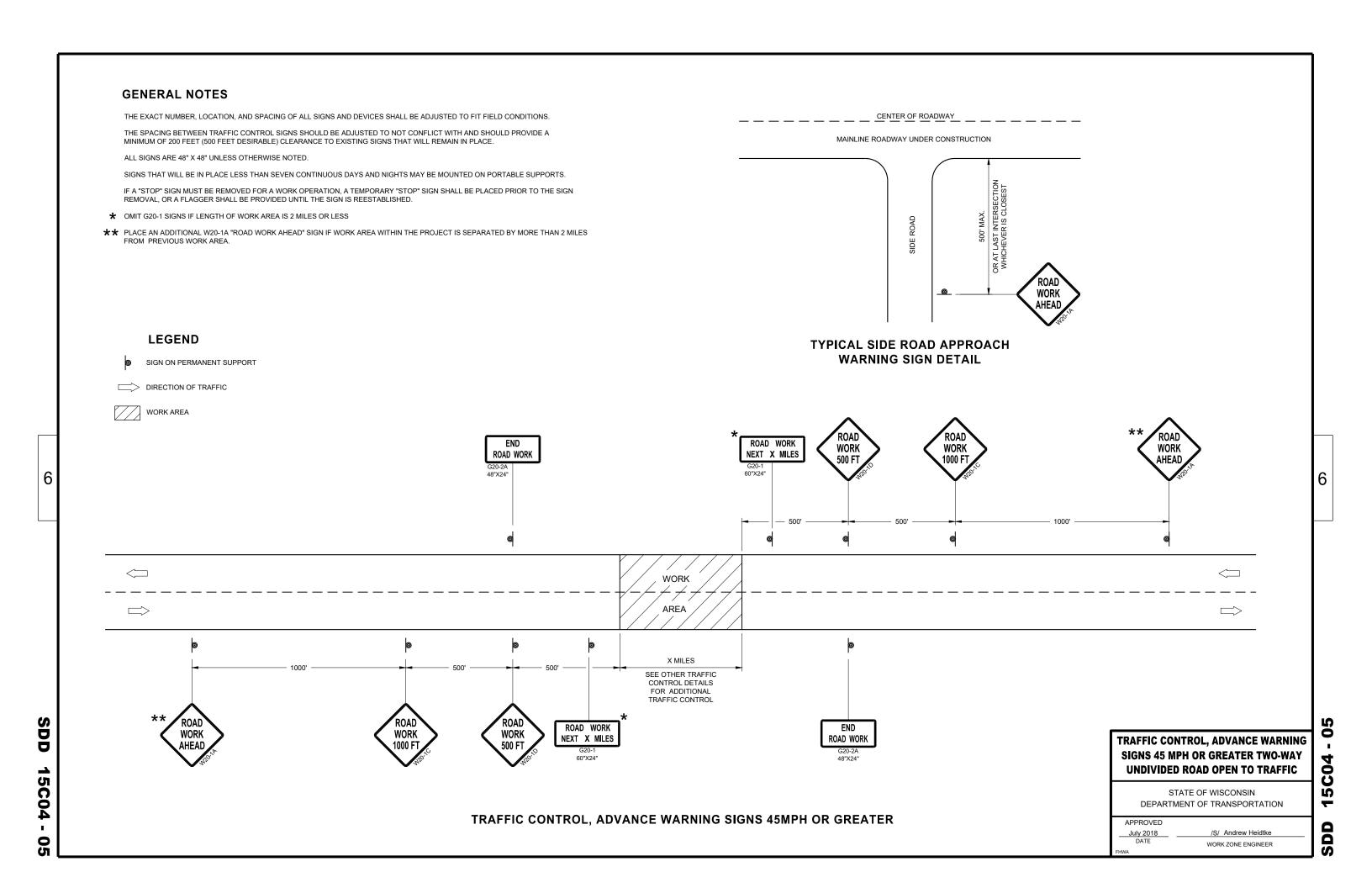
WORK AREA

#### **BARRICADES AND SIGNS** FOR **SIDEROAD CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED July 2018 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER ŭ

S



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

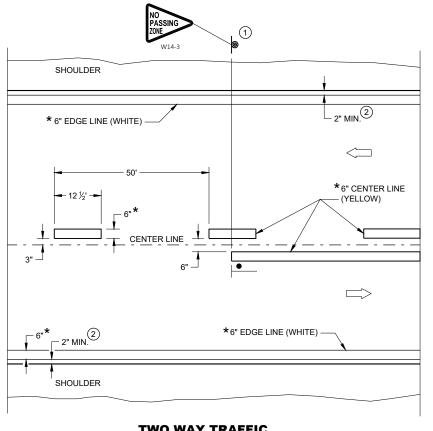
#### **LEGEND**

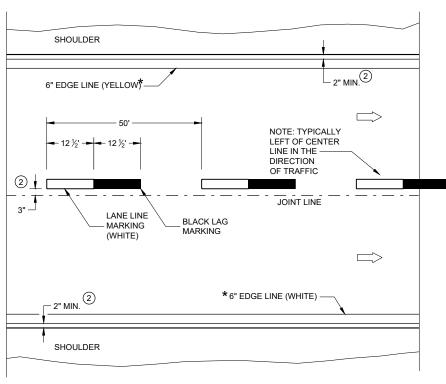
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES





**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 MARKING
ENGINEER

**TWO WAY TRAFFIC** 

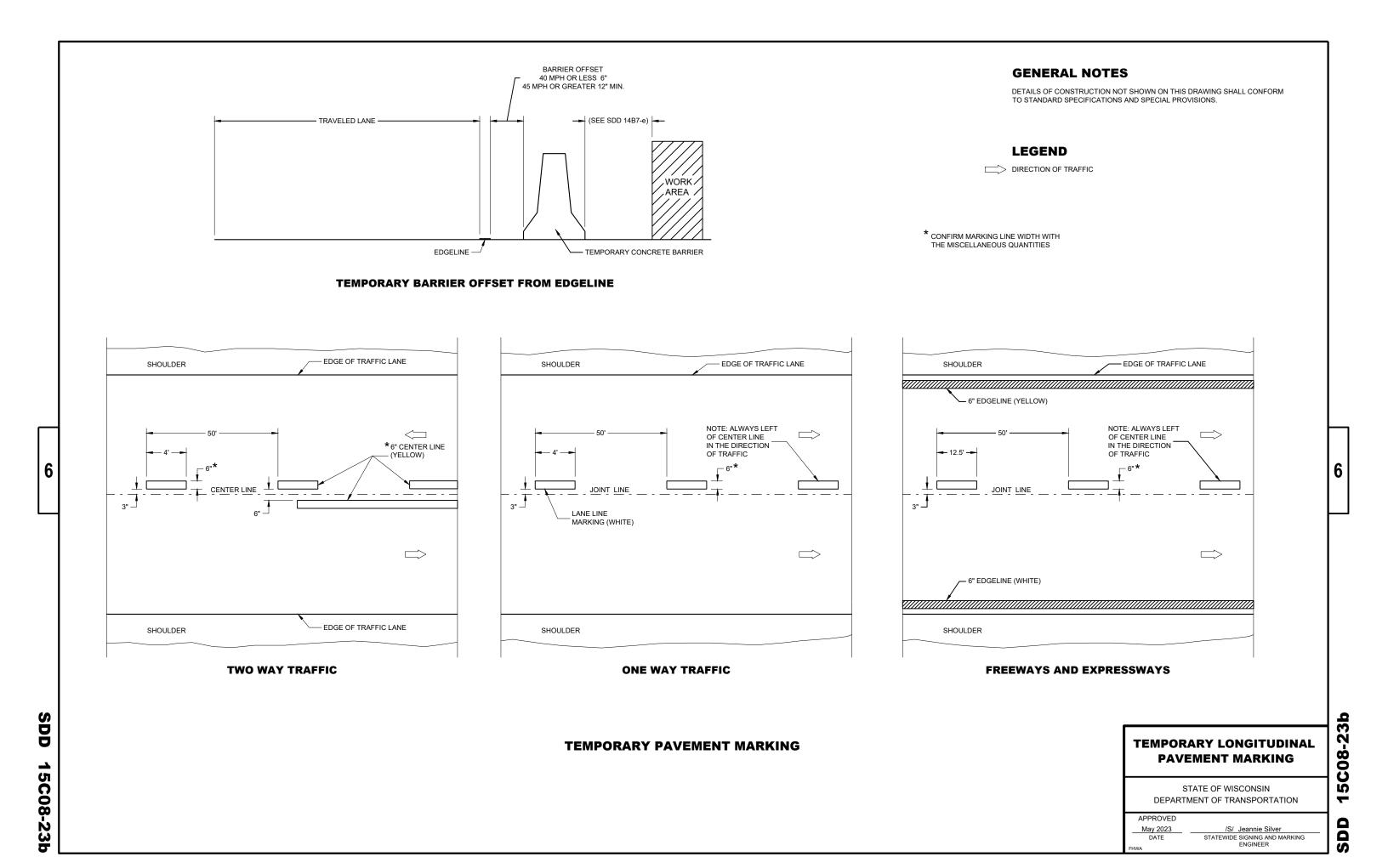
SDD

6

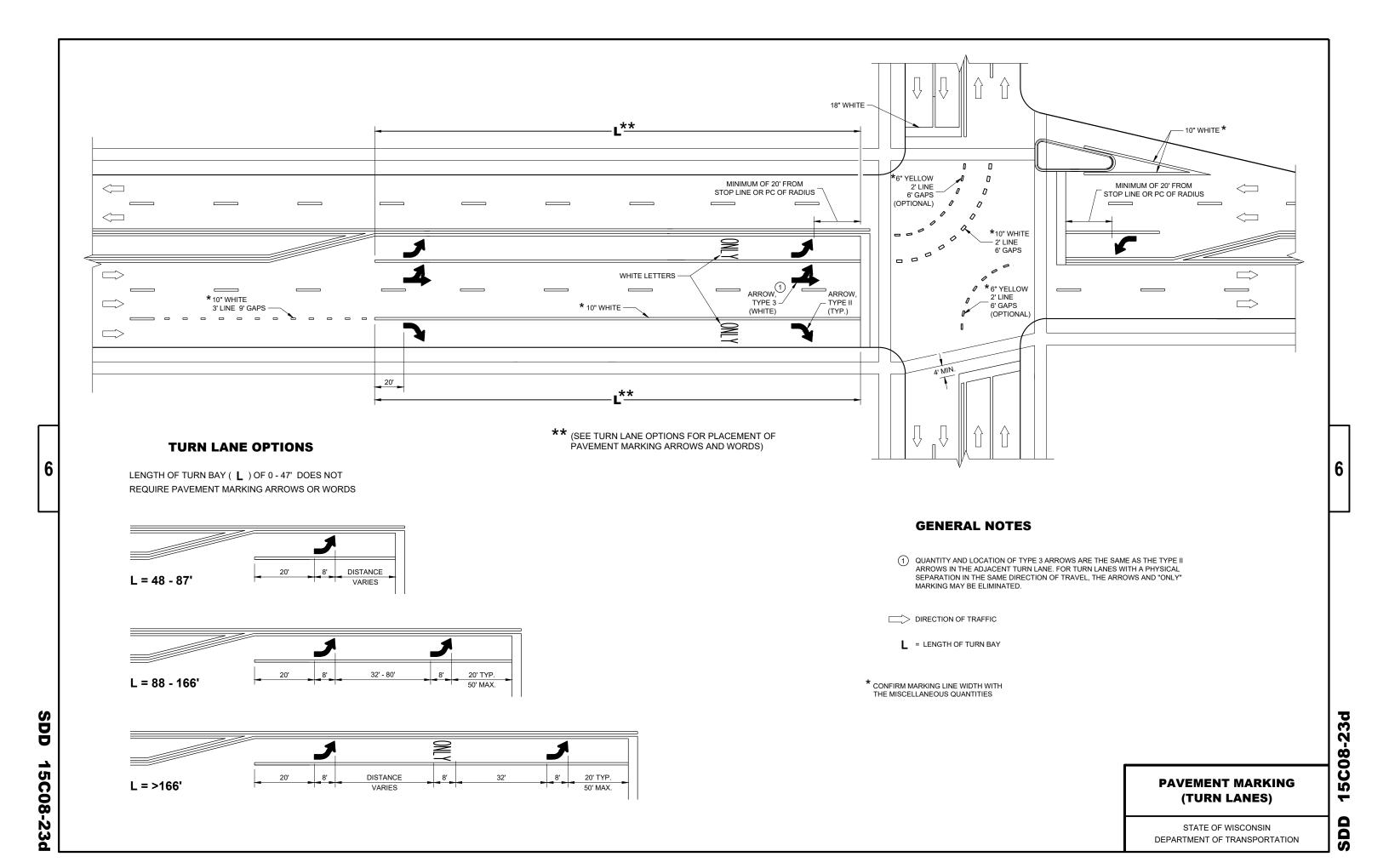
C08-2

5

SD



DEPARTMENT OF TRANSPORTATION



# **SDD 15C11**

#### **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**

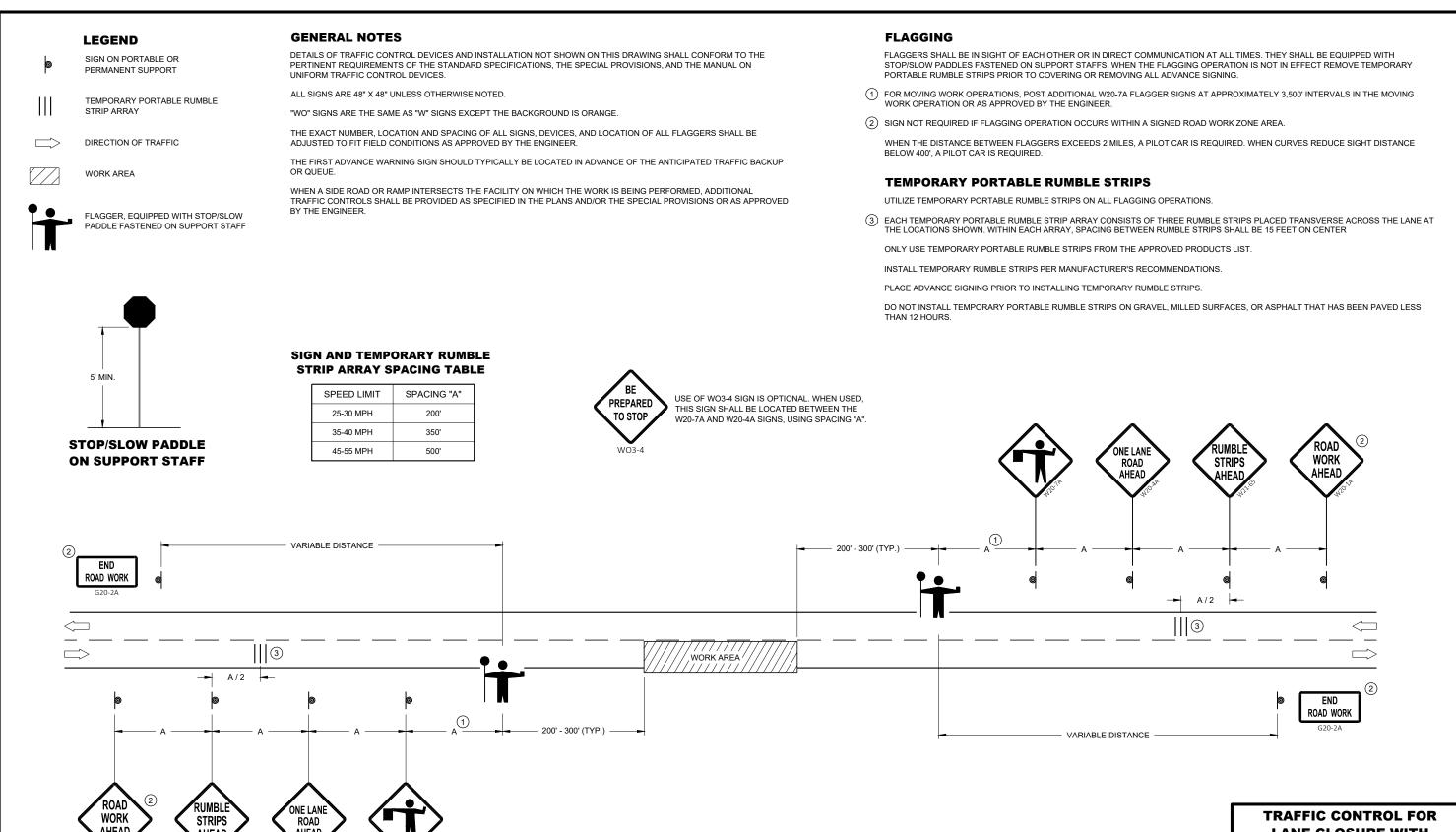
IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

#### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER



LANE CLOSURE WITH **FLAGGING OPERATION**  0

2

Ŋ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

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.

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPACING "A"

200'

350'

500'

SPEED LIMIT

25-30 MPH

35-40 MPH

45-55 MPH

STOP/SLOW PADDLE

**ON SUPPORT STAFF** 

BE PREPARED

ŔUMBLE

STRIPS

ONE LANE

"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

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

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**

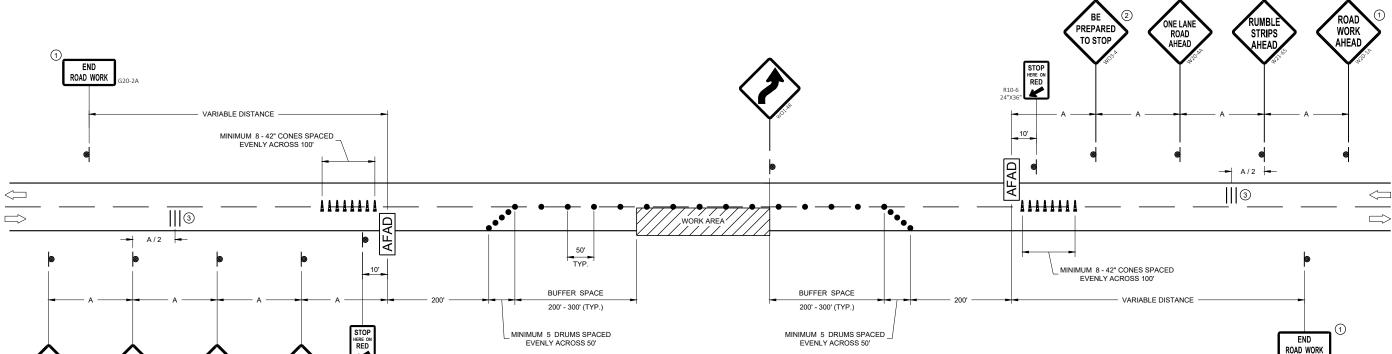
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS

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

(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.



#### **TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED** FLAGGER ASSISTANCE DEVICE

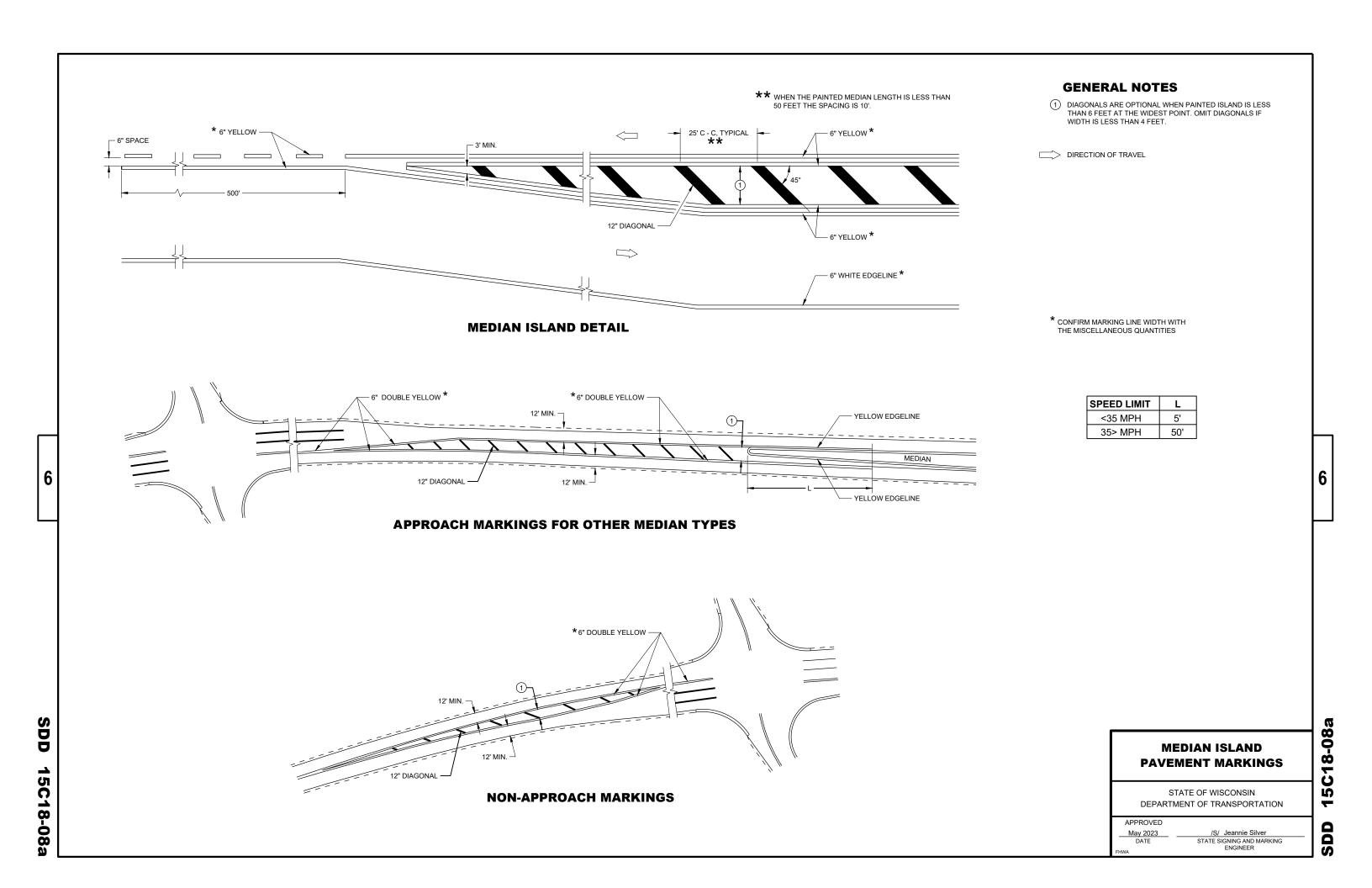
Ŏ

Ŋ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	/C/ Androw
May 2022	/S/ Andrew I
DATE	WORK ZONE EN

Heidtke WORK ZONE ENGINEER



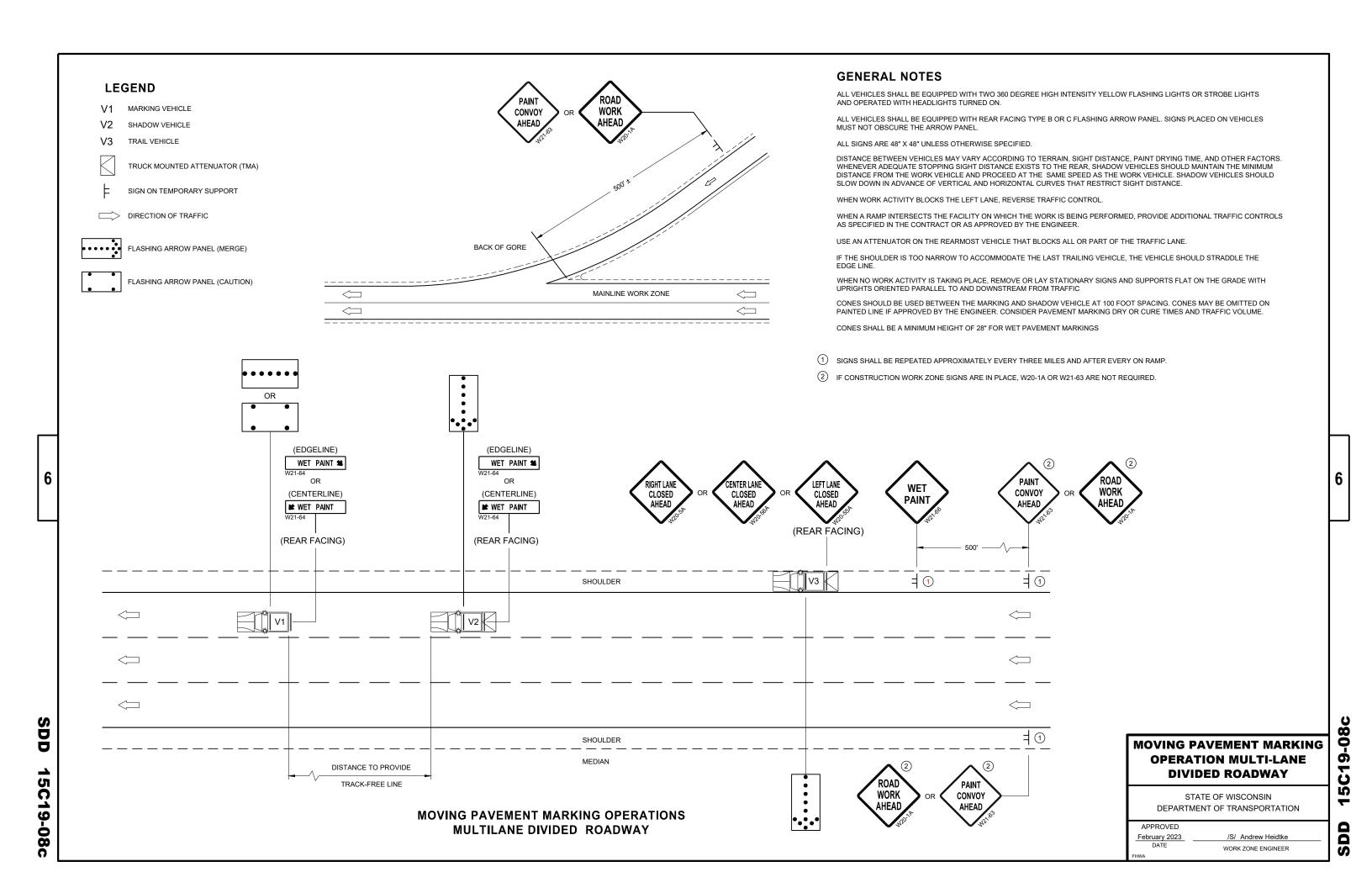
6

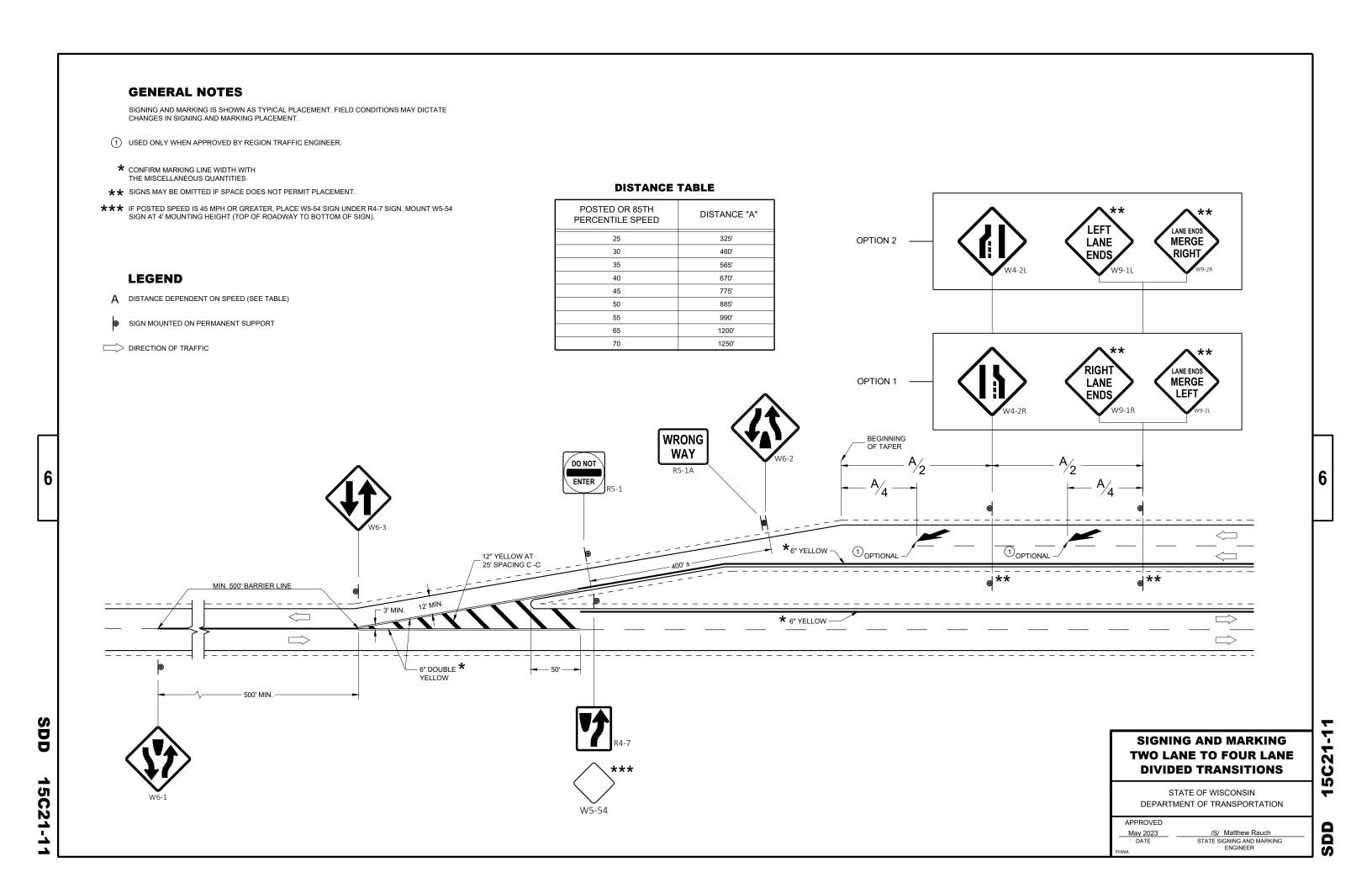
**0-6** 

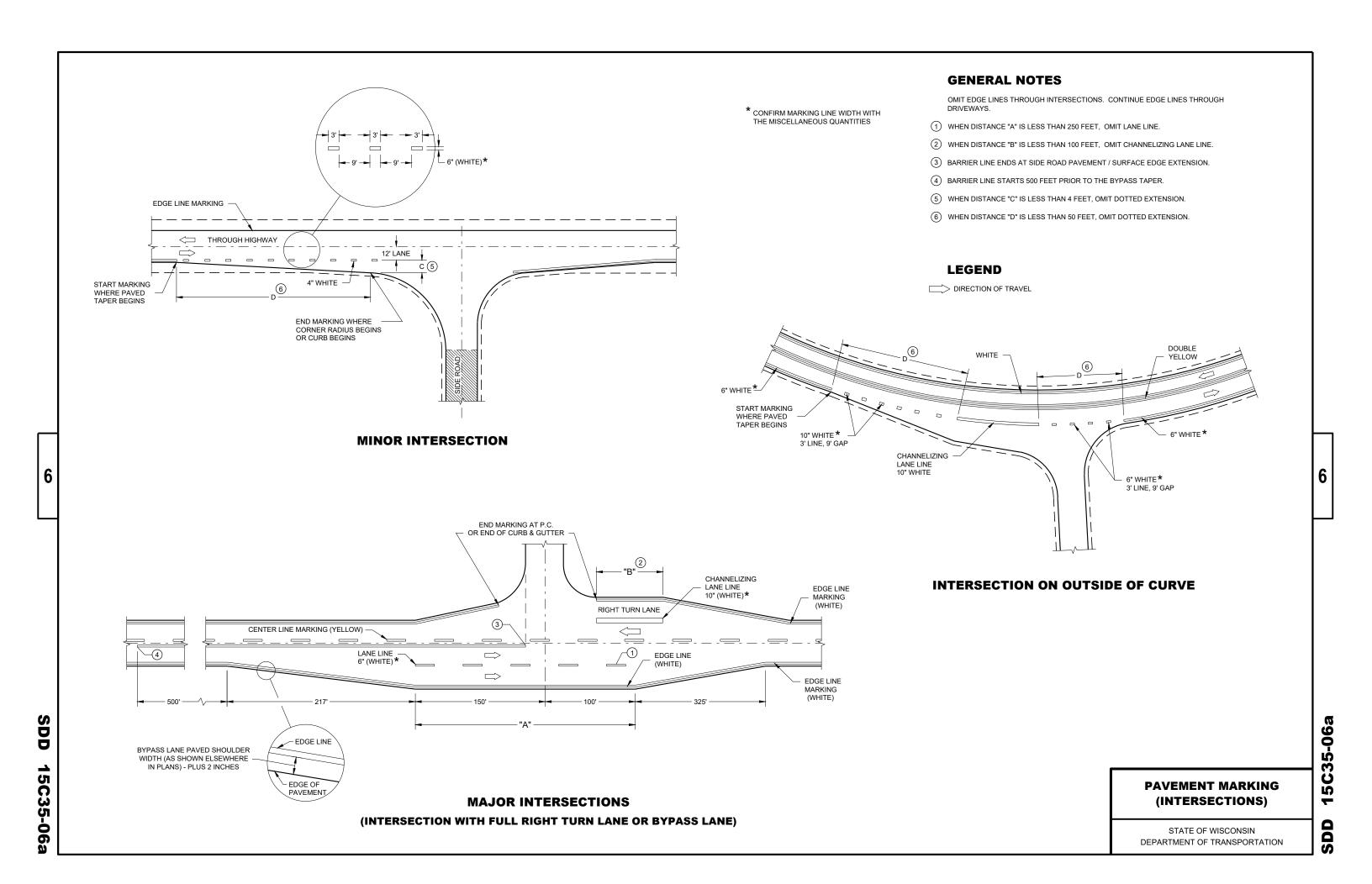
Ŋ

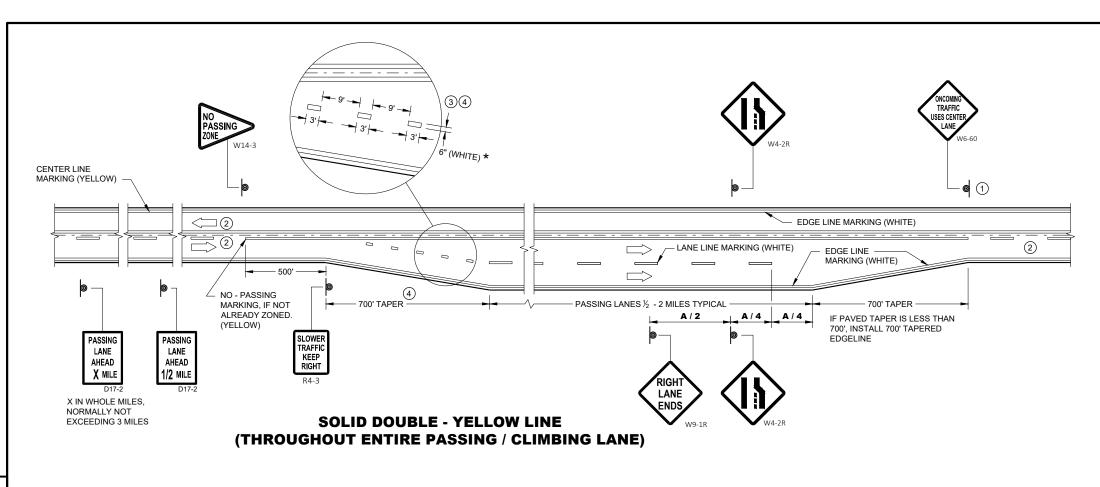
 $\boldsymbol{\mathsf{T}}$ 

S





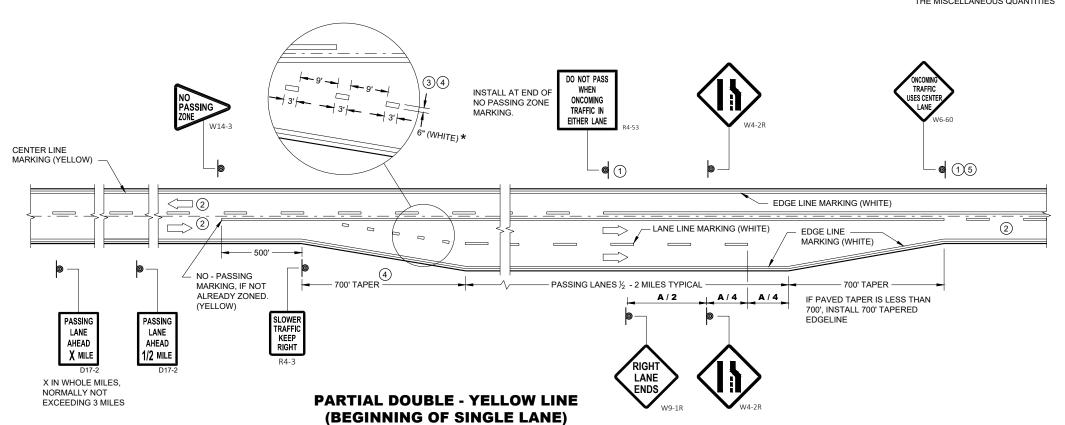




- $\bigodot$  SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4 WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- (5) REPEAT EVERY 1 MILE UP UNTIL R4-53.

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



6

SDD

15C35-06b

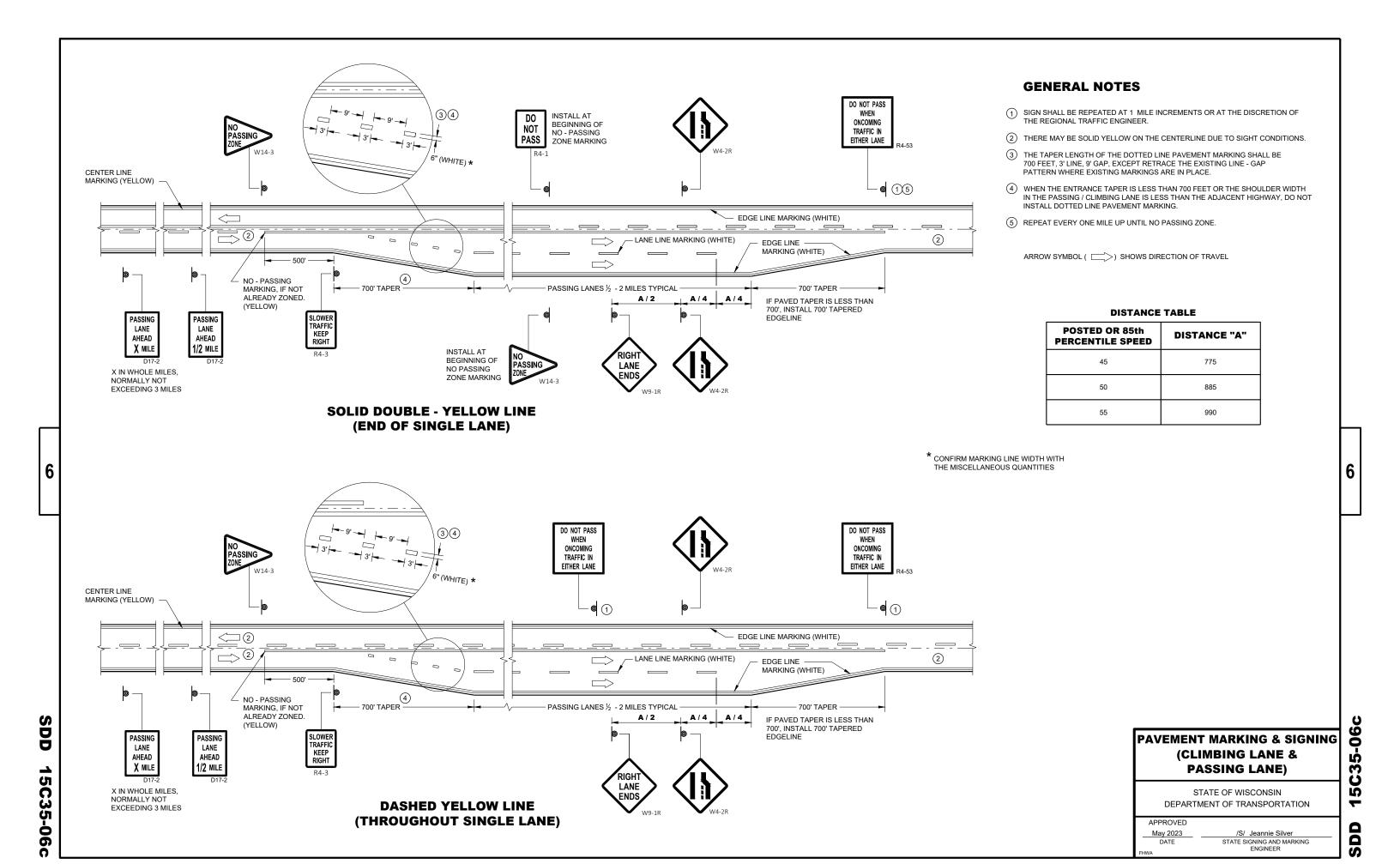
**PAVEMENT MARKING & SIGNING** (CLIMBING LANE & **PASSING LANE)** 

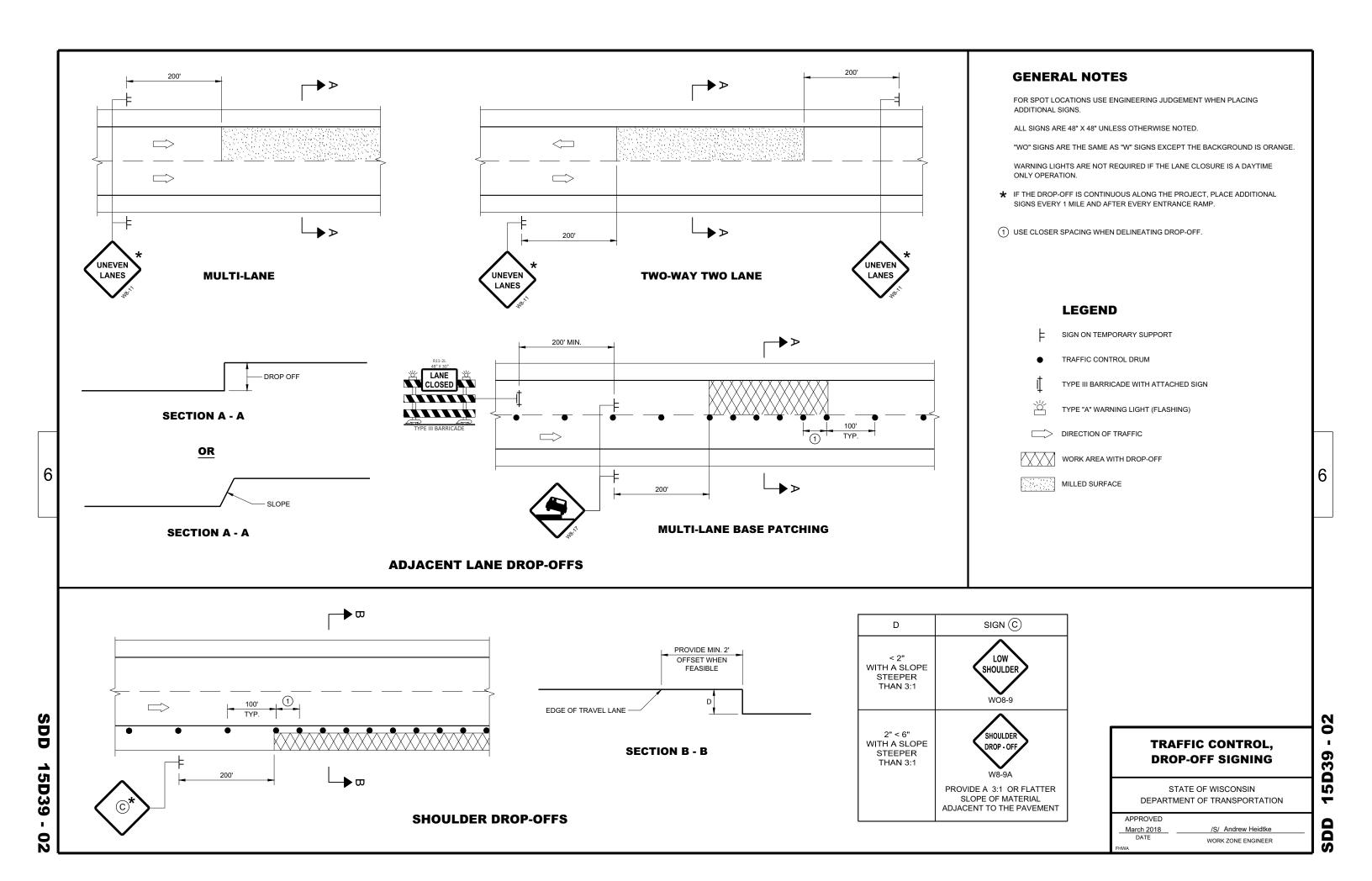
C35-06b

D

SD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

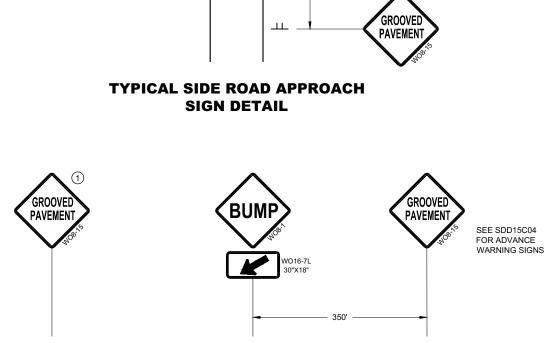
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

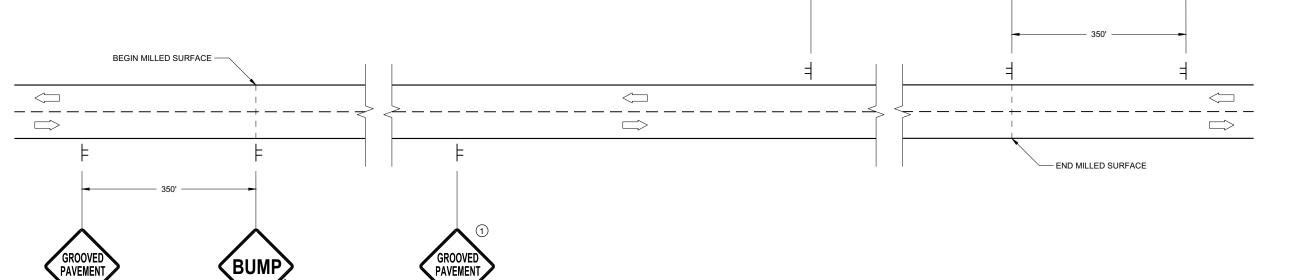
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

DIRECTION OF TRAFFIC





SEE SDD15C04 FOR ADVANCE WARNING SIGNS

**DETAIL FOR SIGNING ON MILLED SURFACES** 

#### TRAFFIC CONTROL, **SIGNING ON ROADWAYS WITH MILLED SURFACES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER Ò S

V2

SHADOW VEHICLE TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

#### **GENERAL NOTES**

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

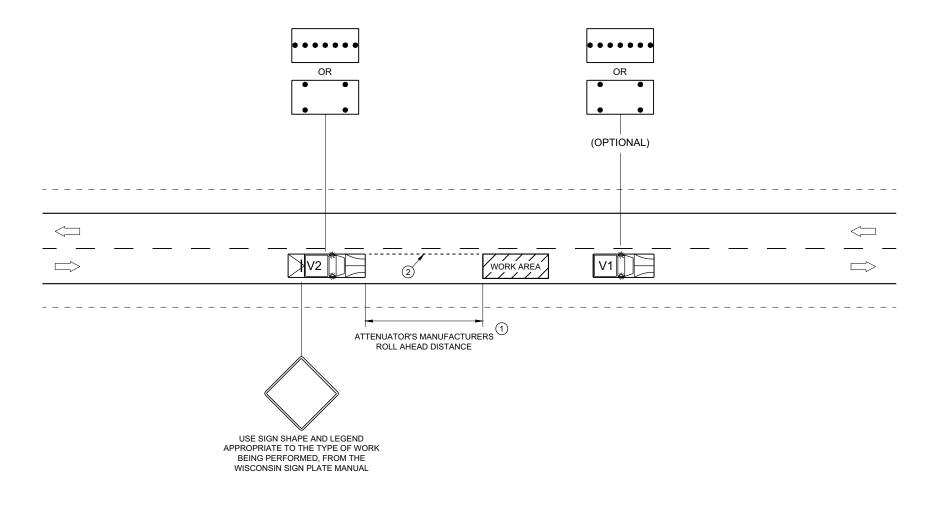
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF

- DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- 2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



#### TRAFFIC CONTROL, **MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021 DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

51 S Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

#### NOVEMBER 2023 STATE OF WISCONSIN ORDER OF SHEETS Section No. **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings Section No. **ONEIDA - GREEN BAY** Computer Earthwork Data **UNNAMED CREEK, C-05-0156** Section No. Cross Sections **STH 172** TOTAL SHEETS = 98 **BROWN COUNTY** STATE PROJECT NUMBER 1210-18-71 Hobart **BEGIN PROJECT** STA 17+52 Y = 561,502.727 X = 58,195.580DESIGN DESIGNATION AADT 2021 = 8.830 A.A.D.T. 2041 = 9,020 = 1,080 D.H.V. D.D. = 50/50 = 13.80 STRUCTURE C-05-156 DESIGN SPEED = 45 MPH = 3,020,000 **ONEIDA END PROJECT** STA 25+00 Y = 561,379.777 Hobart X = 58,921.291 CONVENTIONAL SYMBOLS GRADE LINE CORPORATE LIMITS **INDIAN** ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOTTINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE SLOPE INTERCEPT CULVERT (Profile View) UTILITIES REFERENCE LINE ELECTRIC RESERVATION EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER 0.5 MI HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE I

 FEDERAL PROJECT

 PROJECT
 CONTRACT

 1210-18-71
 WISC 202412
 1





TE: 7/17/23 Ches KE-

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	NE REGION
Designer	OES
Project Manager	JOSHUA LANG
Regional Examiner	G. VICKMAN
Regional Supervisor	A. FULCER

DATE: 8/1/2023 (Signature)

PLOT DATE: 7/17/2023 1:59 PM PLOT BY: CHAD EVEN

TOTAL NET LENGTH OF CENTERLINE = 0.142 MILES

COORDINATE REFERENCE SYSTEM (WISCRS), BROWN COUNTY, NAD83 ( 2011 ), IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID

COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES

ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED

PLOT NAME

TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A

MARSH AREA

UTILITY PEDESTAL

TELEPHONE POLE

₫

Ø

POWER POLE

THE LOCATIONS OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

COORDINATE SURVEY MONUMENT WITH THE NE REGION SURVEY COORDINATOR.

TEMPORARY STORAGE OF ANY EQUIPMENT OR EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS, UNLESS APPROVED BY THE ENGINEER.

PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN IN APPROXIMATE LOCATIONS WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

DO NOT USE FERTILIZER WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

PLACE TOPSOIL OR SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS WITHIN 5 DAYS AFTER PLACEMENT OF TOPSOIL OR SALVAGED TOPSOIL.

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

A BUTT JOINT AND VERTICAL FACE IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

#### ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
EROSION CONTROL
PAVEMENT MARKING PLAN
TRAFFIC CONTROL

DETOUR
ALIGNMENT PLAN/CONTROL POINTS

#### **UTILITIES CONTACTS**

VICTORIA KASSAB (PRIMARY CONTACT)
AT&T WISCONSIN - COMMUNICATION LINE
205 S JEFFERSON ST
GREEN BAY, WI 54301
(920) 401-7512
VK352K@ATT.COM

JEFF KRUEGER (PRIMARY CONTACT)
ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT
- COMMUNICATION LINE
909 PACKERLAND DRIVE
GREEN BAY, WI 54303
(920) 496-7383
JKRUEGER@ONEIDANATION.ORG

SCOTT COTTRELL (PRIMARY CONTACT)
ONEIDA TRIBE OF INDIANS
UTILITY DEPARTMENT WATER
3783 W. MASON ST
P.O. BOX 365
ONEIDA, WI 54155
(920) 497-5806
SCOTTREL@ONEIDANATION.ORG

ROBERT SMITH (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE CORPORATION ELECTRICITY
P.O. BOX 19001
GREEN BAY, WI 54307-9001
(920) 617-5284
ROBERT.SMITH@
WISCONSINPUBLICSERVICE.COM

RICK VINCENT (PRIMARY CONTACT)
NETLEC LLC - COMMUNICATION LINE
450 SECURITY BLVD
P.O. BOX 19079
GREEN BAY, WI 54307-9079
(920) 617-7316
RICK.VINCENT@NSIGHT.COM

SCOTT COTTRELL (PRIMARY CONTACT)
ONEIDA TRIBE OF INDIANS
UTILITY DEPARTMENT SEWER
3783 W. MASON ST
P.O. BOX 365
ONEIDA, WI 54155
(920) 497-5806
SCOTTREL@ONEIDANATION.ORG

VINCENT ALBIN (PRIMARY CONTACT)
SPECTRUM - COMMUNICATION LINE
3520 E DESTINATION DR
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@CHARTER.COM

JIM EIDEN (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE
CORPORATION - GAS/PETROLEUM
2850 S. ASHLAND AVE
GREEN BAY, WI 54304
(920) 617-5231
JAMES.EIDEN@
WISCONSINPUBLICSERVICE.COM

#### DESIGN CONSULTANT

ONEIDA ENGINEERING SOLUTIONS, LLC (OES) 2555 PACKERLAND DRIVE GREEN BAY, WI 54313 ATTN: CHAD EVEN, P.E. PHONE: (920) 884-3975 EMAIL: CEVEN@OESCGROUP.COM

#### WISDOT PROJECT MANAGER

WISCONSIN DEPARTMENT OF TRANSPORTATION - NE REGION 944 VAN DER PERREN WAY GREEN BAY, WI 54304 ATTN: JOSHUA LANG PHONE: (920) 492-4141 EMAIL: JOSHUA.LANG@DOT.WI.GOV

#### REGIONAL SURVEY COORDINATOR

WISCONSIN DEPARTMENT OF TRANSPORTATION - NE REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 ATTN: CORMAC MCINNIS, RLS PHONE: (920) 492-5638 EMAIL: CORMAC.MCINNIS@DOT.WI.GOV

#### WDNR LIASION

WDNR NORTHEAST REGIONAL HEADQUARTERS 2984 SHAWANO AVE.
GREEN BAY, WI 54313
ATTN: JIM DOPERALSKI JR.
PHONE: (920) 412-0165
EMAIL: JAMES.DOPERALSKI@WISCONSIN.GOV

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

PROJECT NO: 1210-18-71 HWY: STH 172 COUNTY: BROWN

GENERAL NOTES

PLOT NAME

1 IN:10 FT

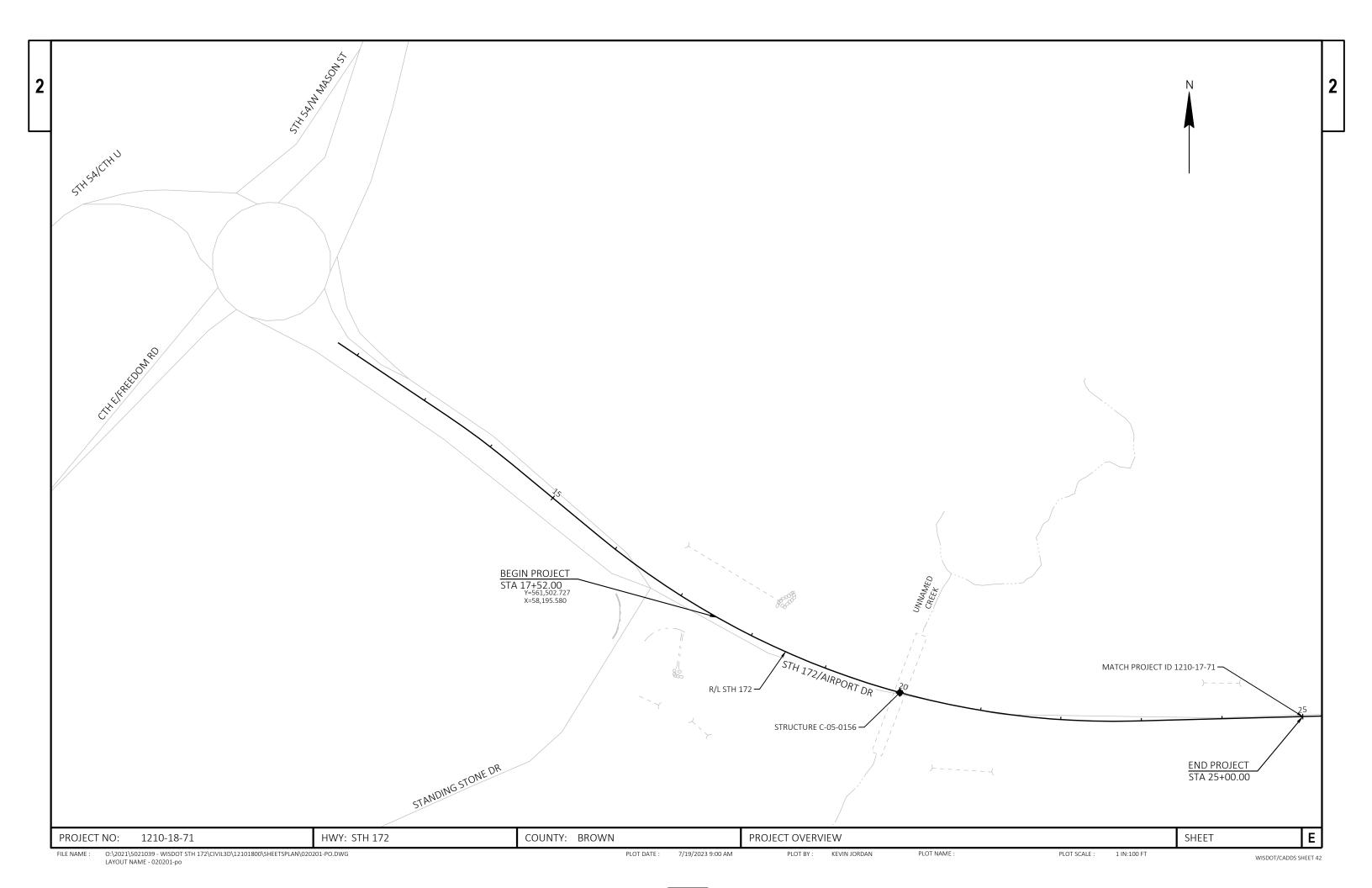
PLOT SCALE :

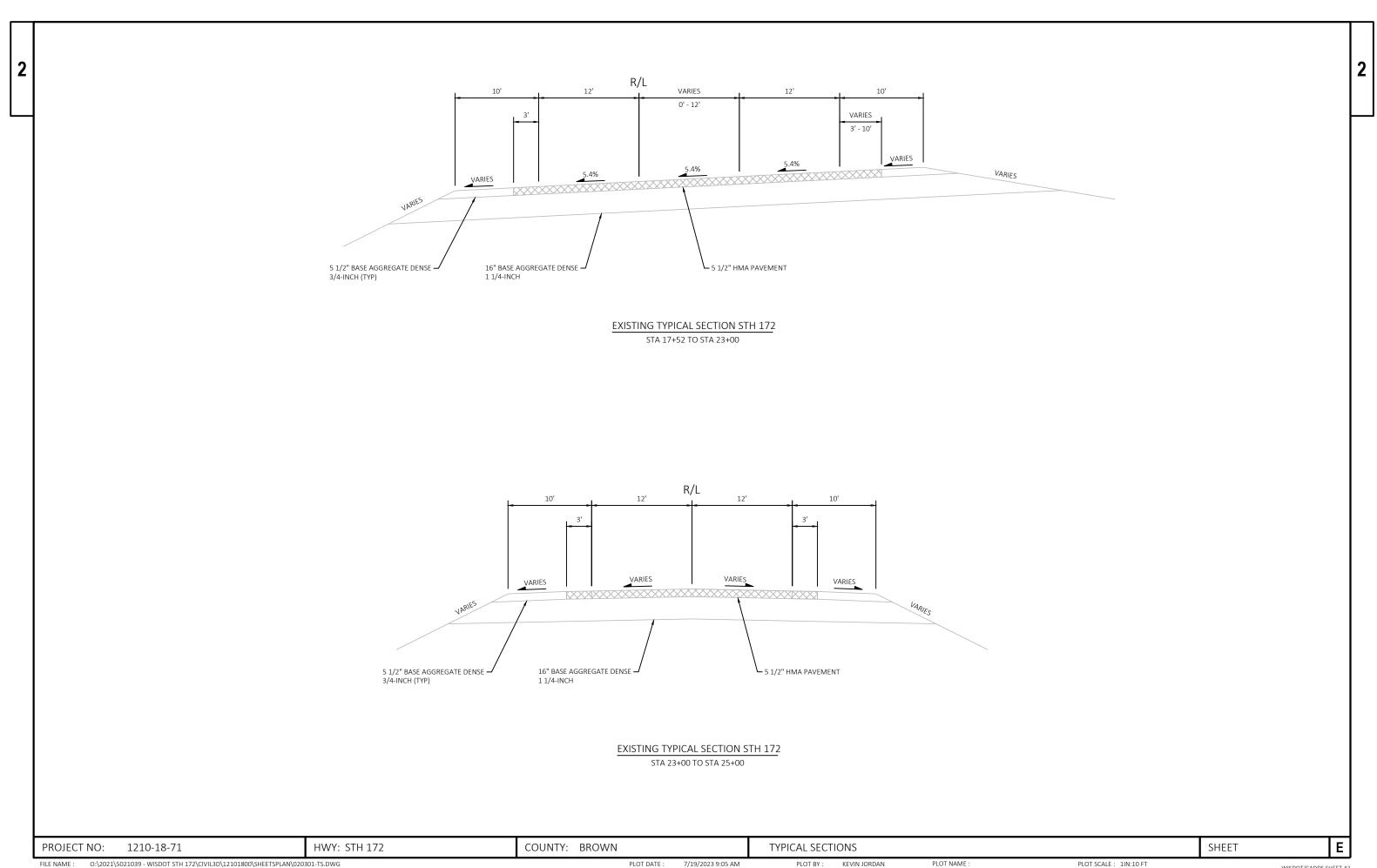
SHEET

ΙEΙ

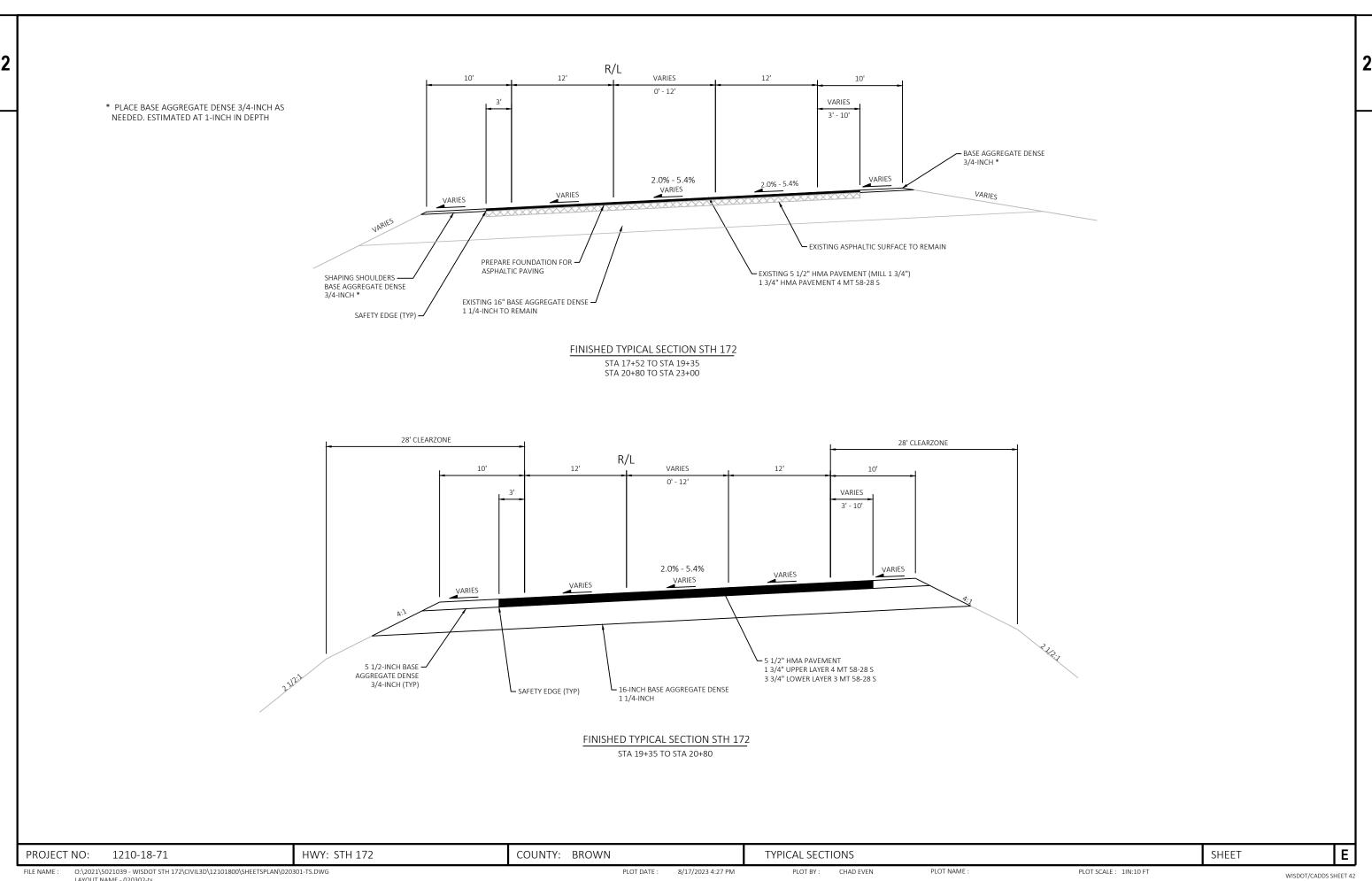
FILE NAME : 0:\2021\5021\39 - WISDOT STH 172\CIVIL3D\12101800\SHEETSPLAN\020101-GN.DWG PLOT BY: CHAD EVEN LAYOUT NAME - 020101-gn

WISDOT/CADDS SHEET 42



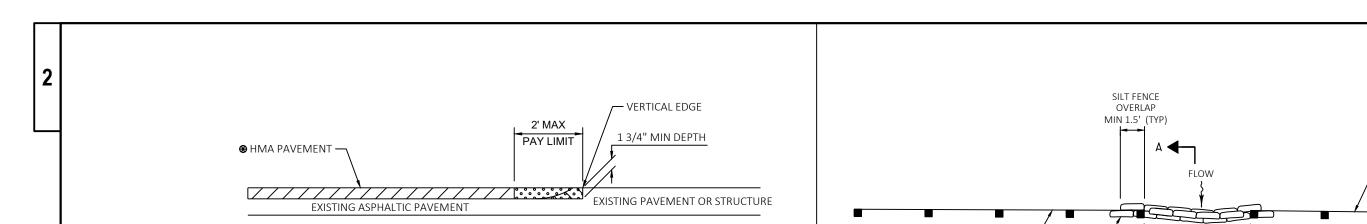


WISDOT/CADDS SHEET 42



12' \* PLACE BASE AGGREGATE DENSE 3/4-INCH AS NEEDED. ESTIMATED AT 1-INCH IN DEPTH → BASE AGGREGATE DENSE 3/4-INCH \* VARIES VARIES VARIES VARIES EXISTING ASPHALTIC SURFACE TO REMAIN SHAPING SHOULDERS —— BASE AGGREGATE DENSE EXISTING 5 1/2" HMA PAVEMENT (MILL 1 3/4") 1 3/4" HMA PAVEMENT 4 MT 58-28 S 3/4-INCH \* SAFETY EDGE (TYP) -– EXISTING 16-INCH BASE AGGREGATE DENSE 1 1/4-INCH TO REMAIN PREPARE FOUNDATION FOR ASPHALTIC PAVING FINISHED TYPICAL SECTION STH 172 STA 23+00 TO STA 25+00 Ε 1210-18-71 COUNTY: BROWN PROJECT NO: HWY: STH 172 TYPICAL SECTIONS SHEET FILE NAME : PLOT DATE: 8/17/2023 4:30 PM PLOT BY: CHAD EVEN PLOT NAME : PLOT SCALE: 1IN:10 FT

O:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101800\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 020303-ts WISDOT/CADDS SHEET 42



REMOVING ASPHALTIC SURFACE, MILLING

REMOVING ASPHALTIC SURFACE, BUTT JOINTS

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

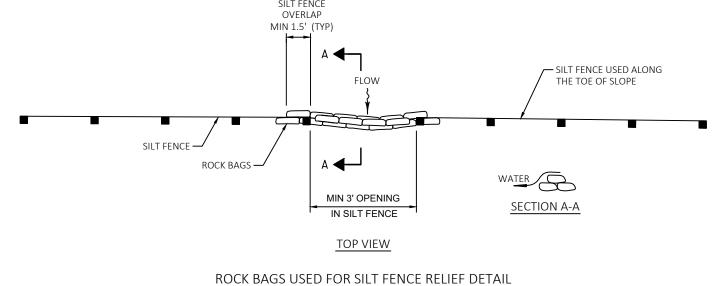
PROJECT NO:

1210-18-71

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

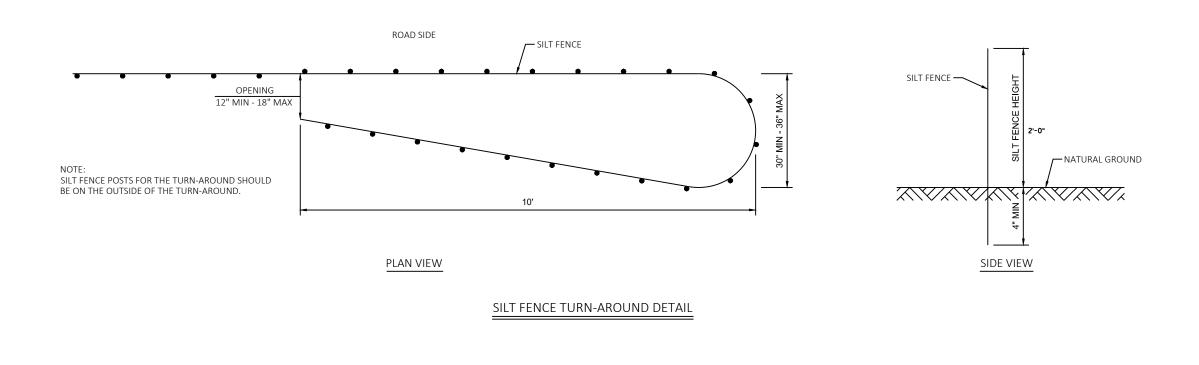
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

HWY: STH 172



Ε

SHEET



FILE NAME : 0:\2021\5021\5021\039 - WISDOT STH 172\CIVIL3D\12101800\SHEETSPLAN\021001-CD.DWG PLOT DATE : 7/19/2023 8:55 AM PLOT BY : KEVIN JORDAN PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42 AND UT NAME - 021001-cd 01

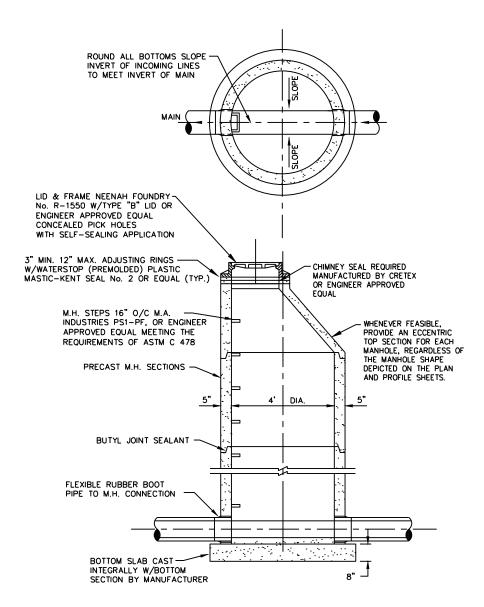
CONSTRUCTION DETAILS

COUNTY: BROWN

2

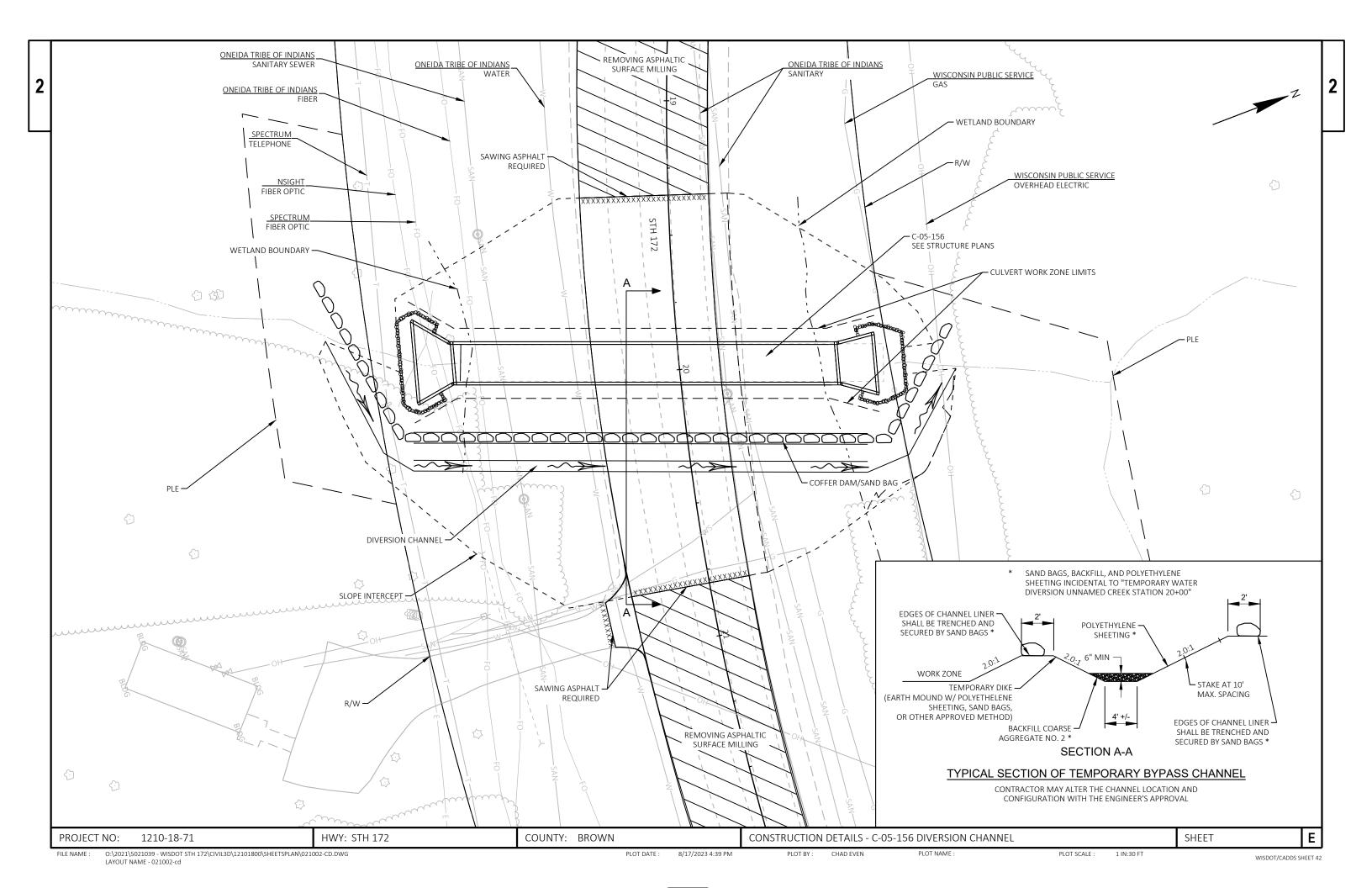
FILE NAME :

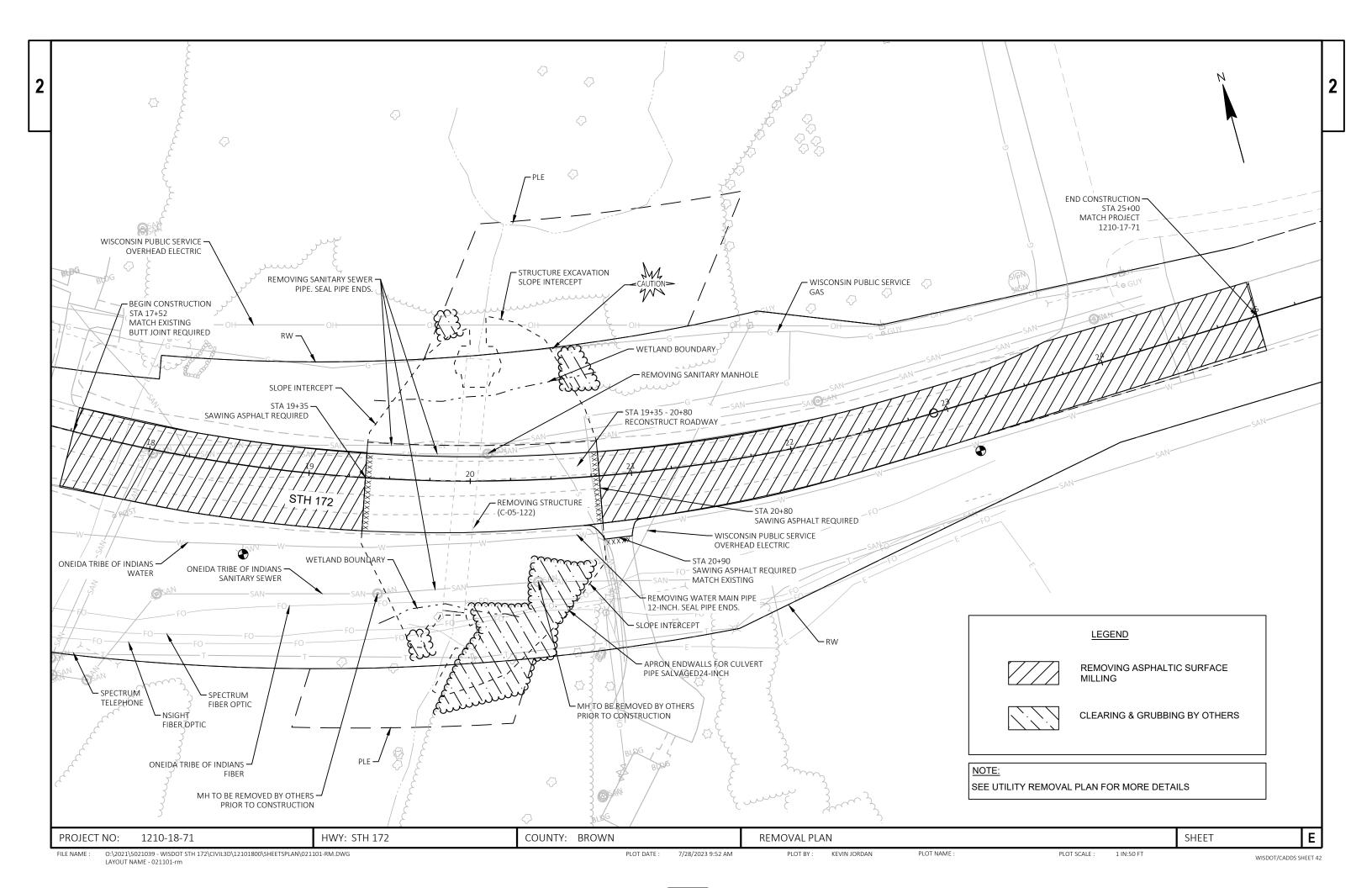
2

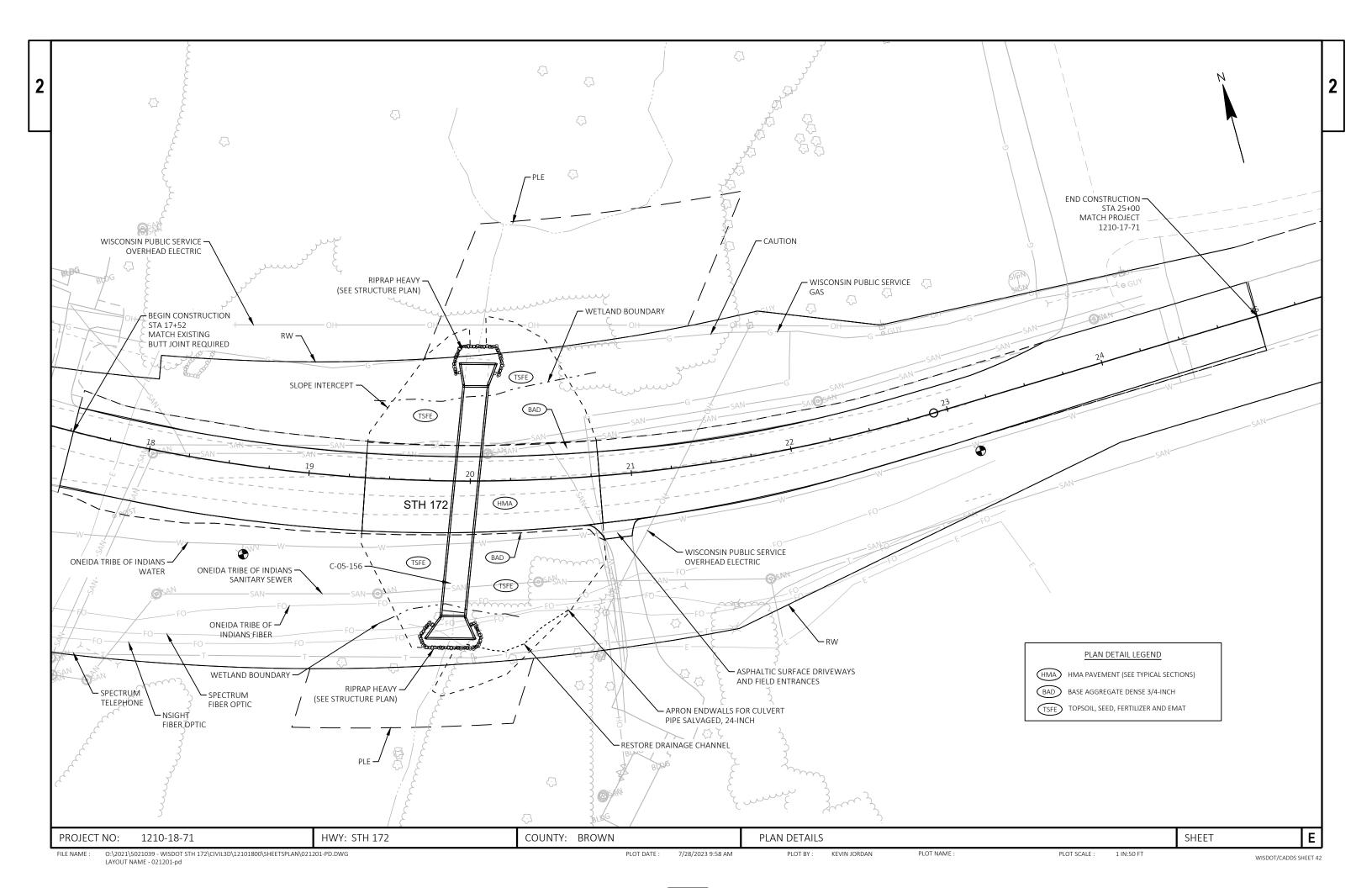


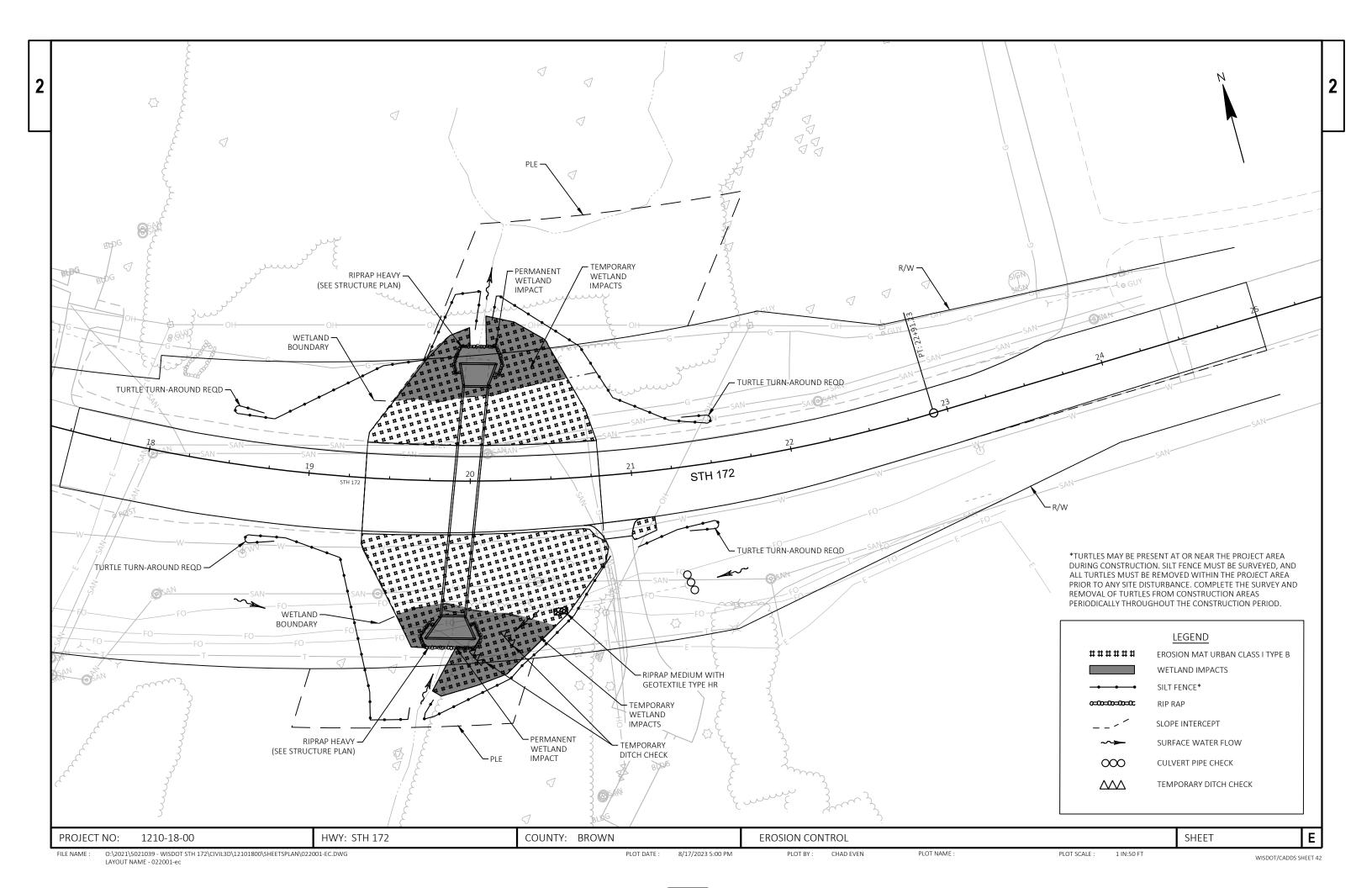
STANDARD PRECAST SANITARY MANHOLE

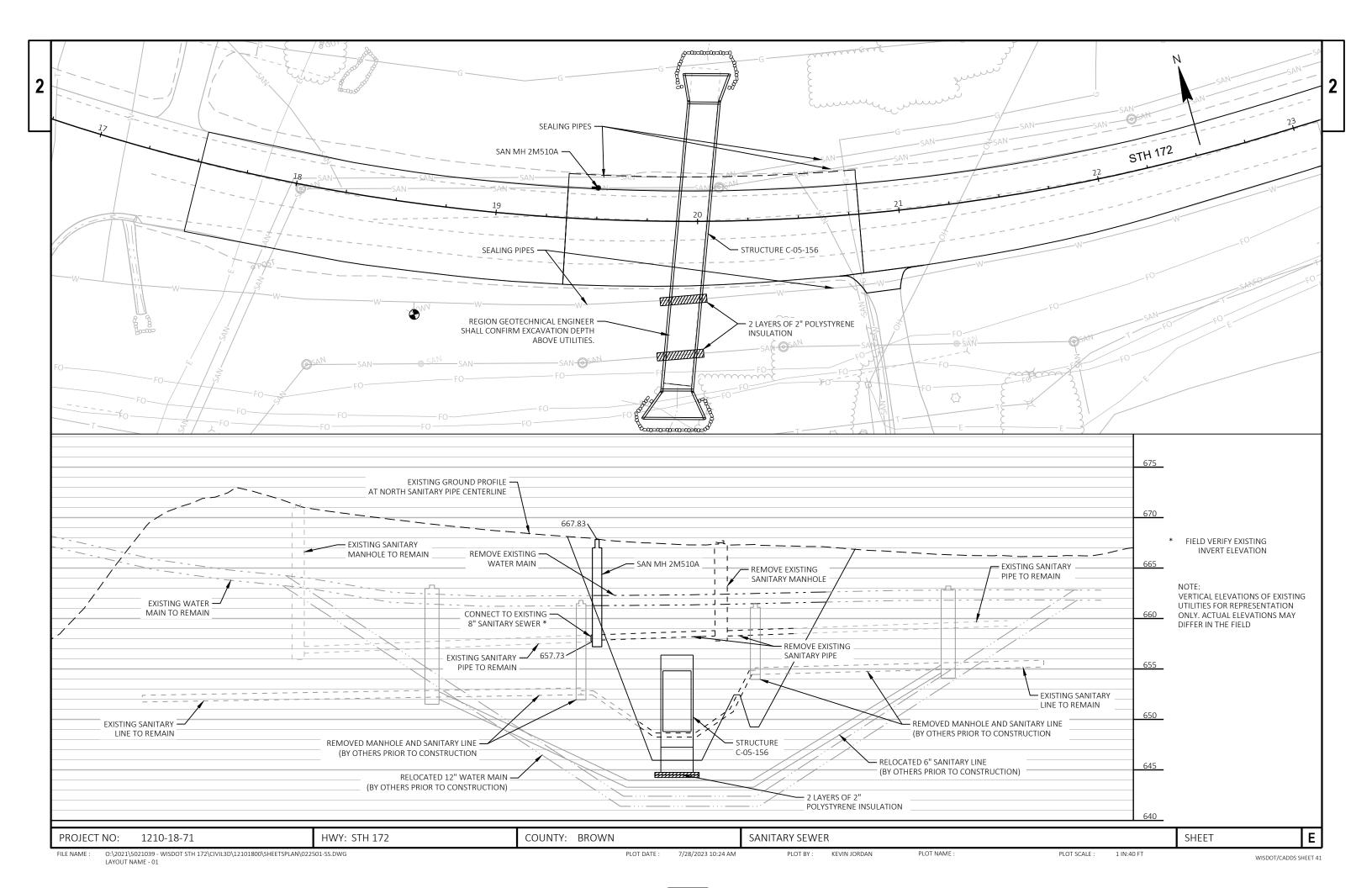
PROJECT NO: 1210-18-71 HWY: STH 172 COUNTY: BROWN CONSTRUCTION DETAILS SHEET **E** 

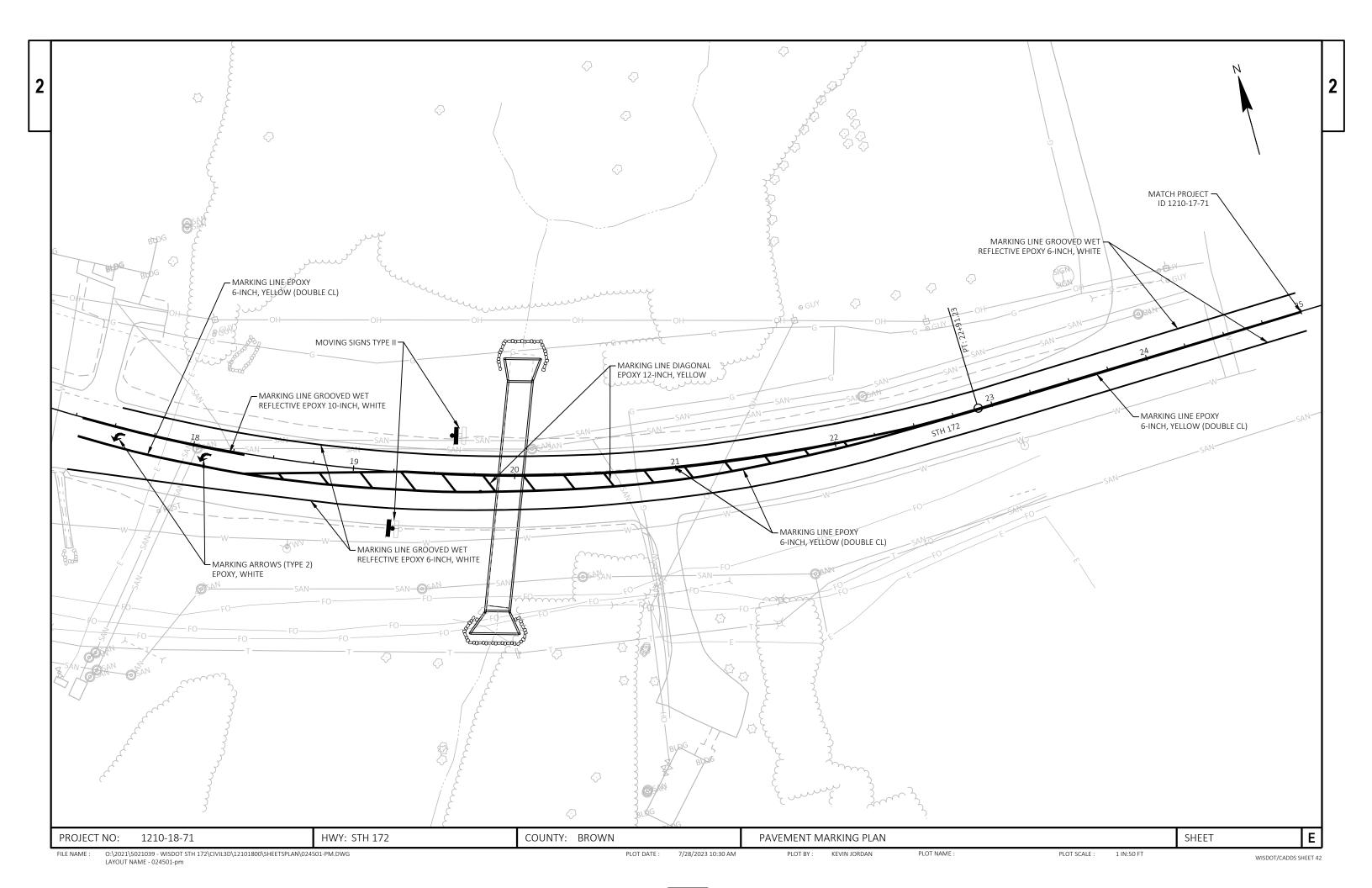


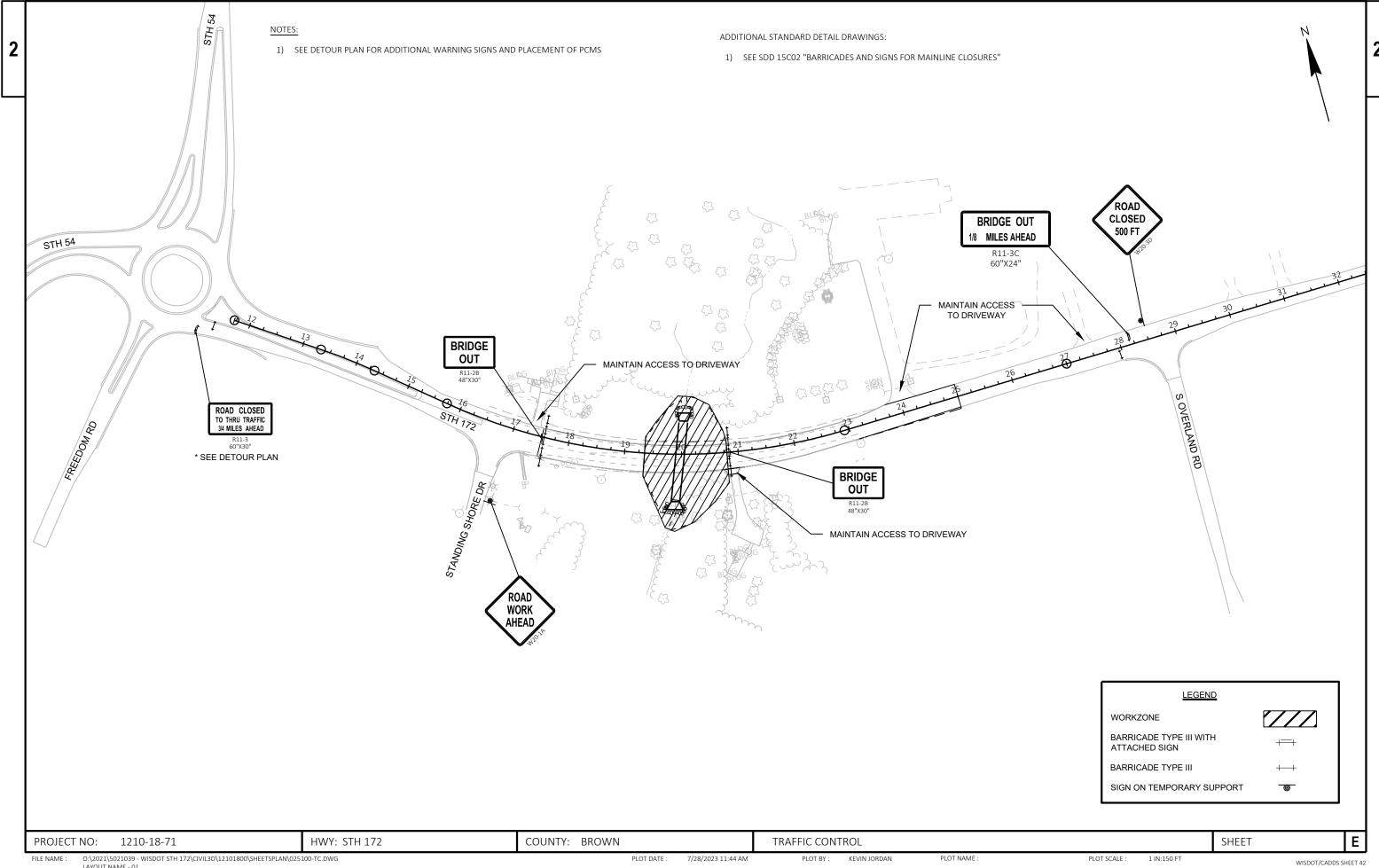




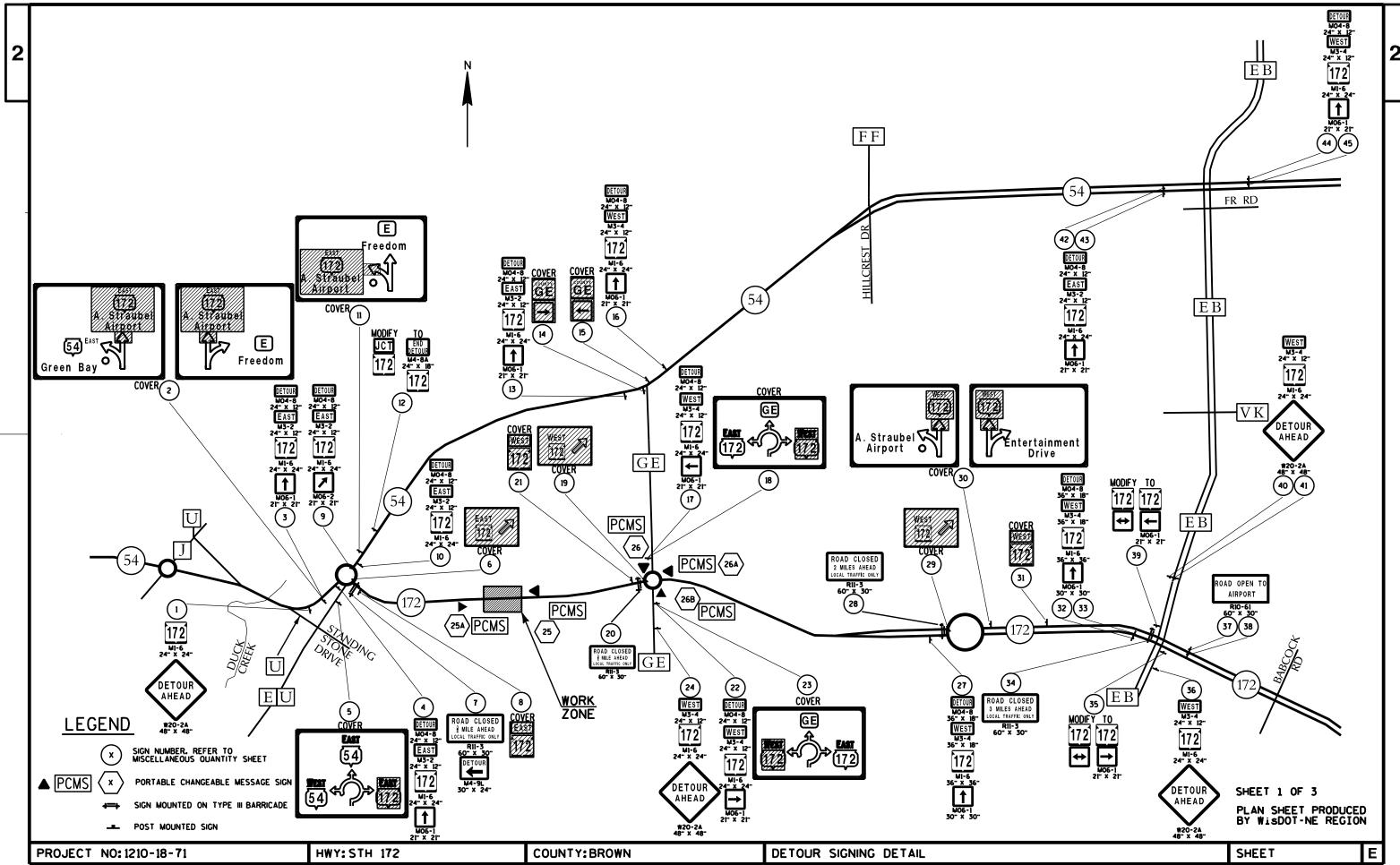


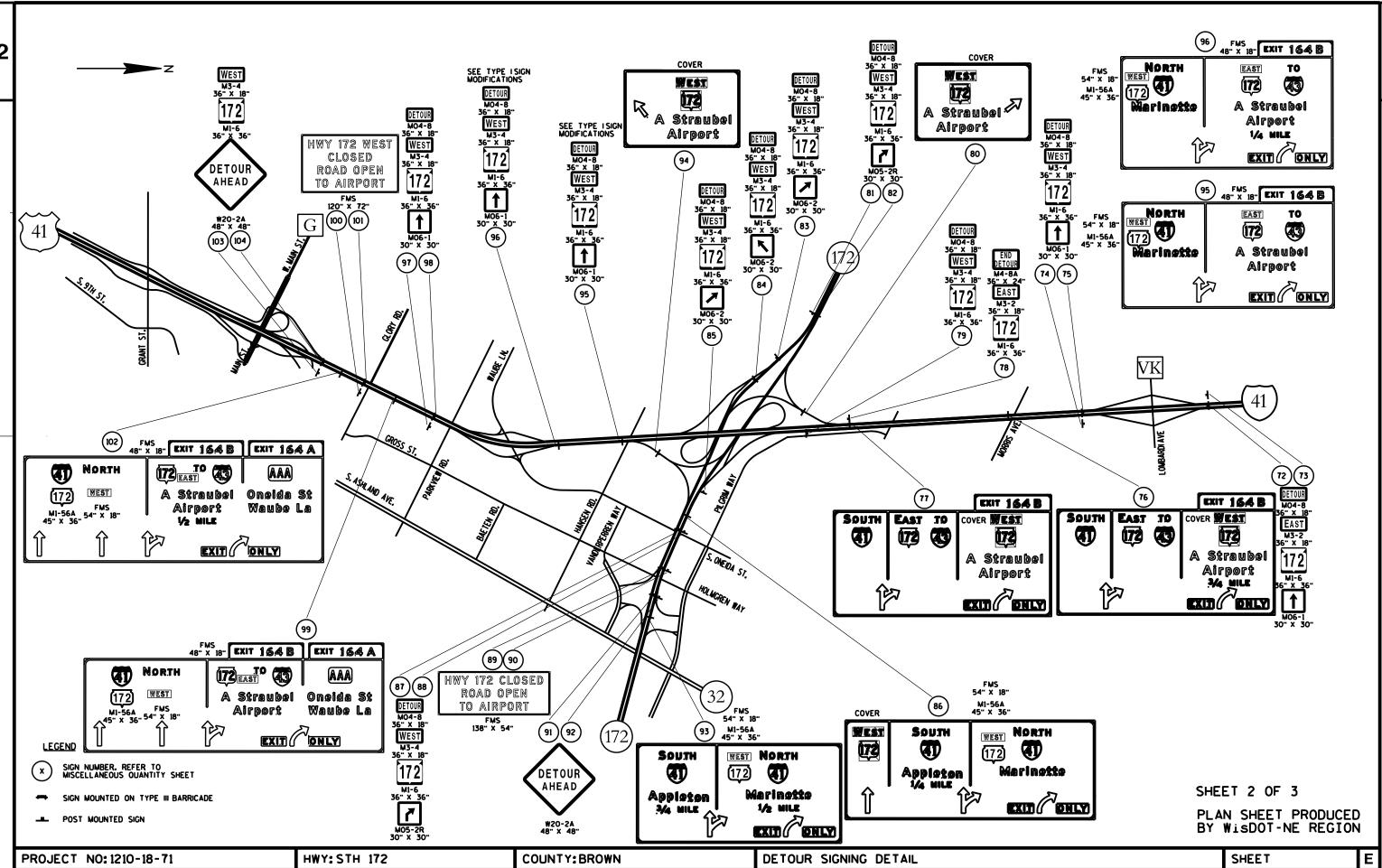


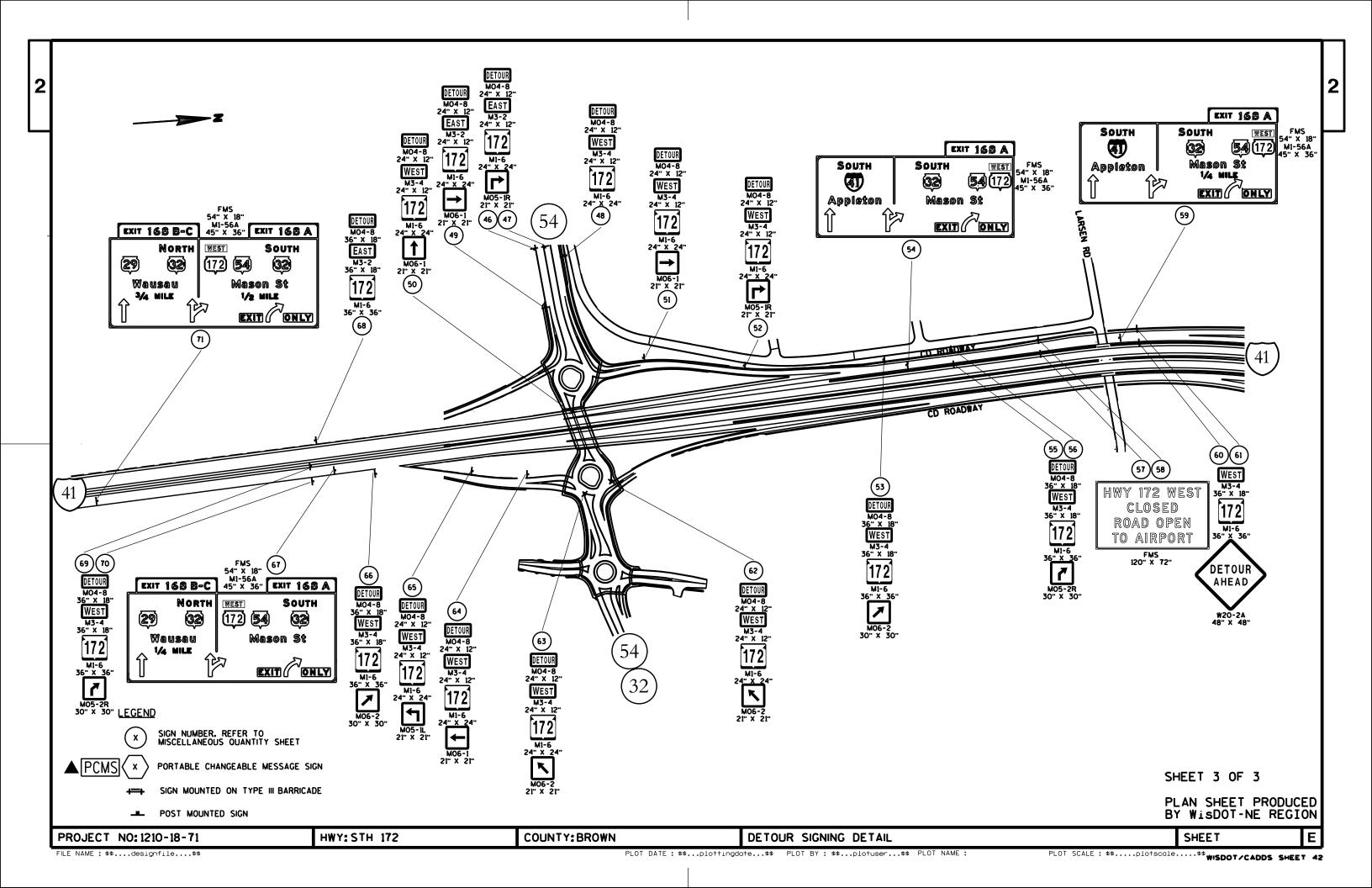


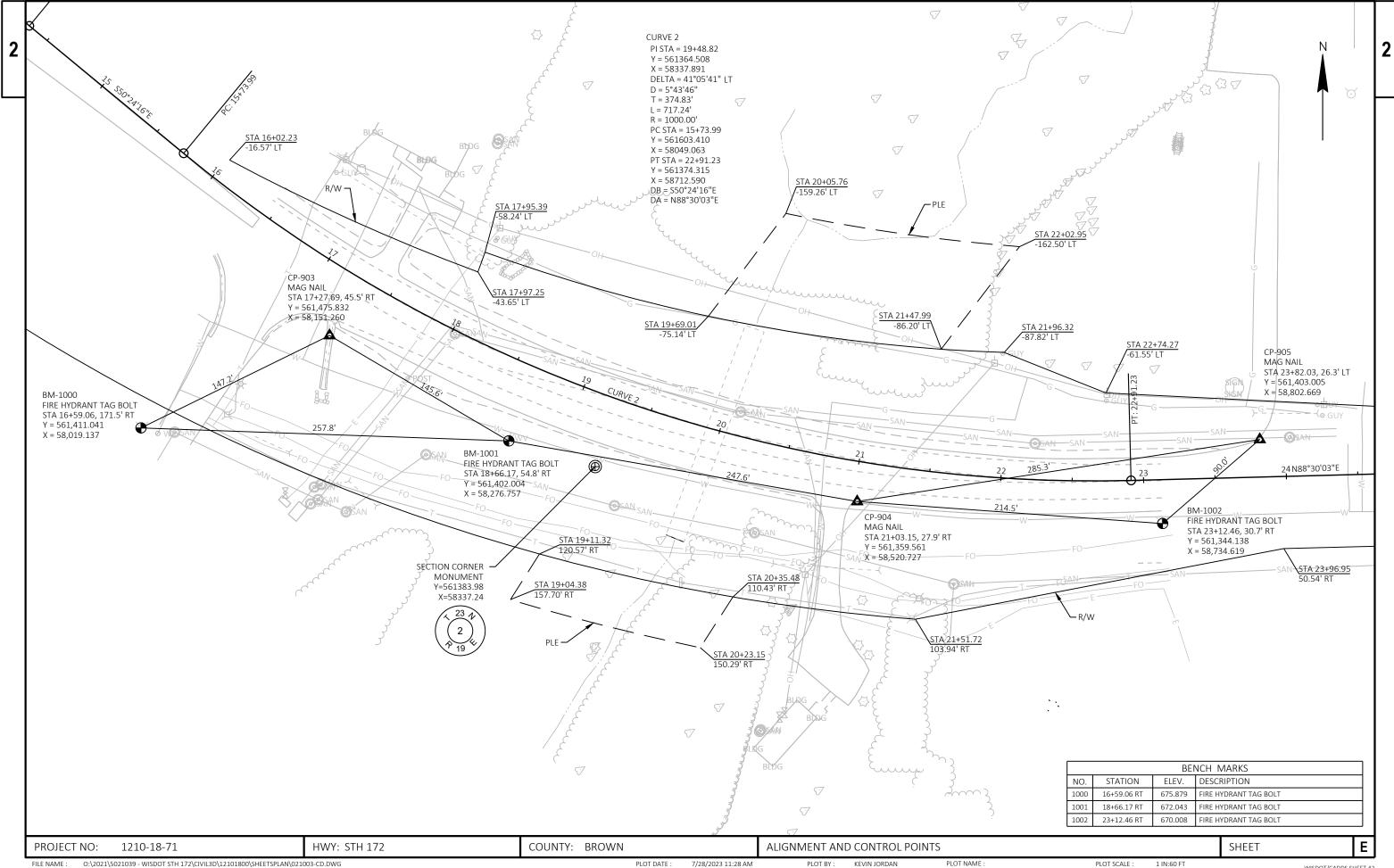


0:\2021\5021039 - WISDOT STH 172\CIVIL3D\12101800\SHEETSPLAN\025100-TC.DWG LAYOUT NAME - 01 7/28/2023 11:44 AM PLOT BY:









101	$\sim$	8-71	

					1210-18-71	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0220	Removing Structure (structure) 01. C-05-122	EACH	1.000	1.000	
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	22.000	22.000	
8000	204.0120	Removing Asphaltic Surface Milling	SY	2,930.000	2,930.000	
0012	204.0280	Sealing Pipes	EACH	5.000	5.000	
0014		Removing (item description) 01. Removing Sanitary Manhole	EACH	1.000	1.000	
0016		Removing (item description) 01. Removing Sanitary Sewer Pipe	LF	715.000	715.000	
0018		Removing (item description) 02. Removing Water Main Pipe 12-Inch	LF	160.000	160.000	
0022	206.2001	Excavation for Structures Culverts (structure) 01. C-05-156	EACH	1.000	1.000	
0026	210.2500	Backfill Structure Type B	TON	2,123.000	2,123.000	
0030	211.0101	Prepare Foundation for Asphaltic Paving (project) 02. 1210-18-71	EACH	1.000	1.000	
0034	213.0100	Finishing Roadway (project) 02. 1210-18-71	EACH	1.000	1.000	
0036	305.0110	Base Aggregate Dense 3/4-Inch	TON	180.000	180.000	
0038	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	940.000	940.000	
0040	311.0115	Breaker Run	CY	264.000	264.000	
0044	450.4000	HMA Cold Weather Paving	TON	530.000	530.000	
0046	455.0605	Tack Coat	GAL	240.000	240.000	
0048	460.2000	Incentive Density HMA Pavement	DOL	360.000	360.000	
0050	460.6223	HMA Pavement 3 MT 58-28 S	TON	160.000	160.000	
0052	460.6224	HMA Pavement 4 MT 58-28 S	TON	370.000	370.000	
0060	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	4.000	4.000	
0062	504.0100	Concrete Masonry Culverts	CY	280.000	280.000	
0064	505.0400	Bar Steel Reinforcement HS Structures	LB	43,240.000	43,240.000	
0066	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,570.000	1,570.000	
0068	516.0500	Rubberized Membrane Waterproofing	SY	31.000	31.000	
0070	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	1.000	1.000	
0074	606.0200	Riprap Medium	CY	1.000	1.000	
0076	606.0300	Riprap Heavy	CY	45.000	45.000	
0800	618.0100	Maintenance And Repair of Haul Roads (project) 02. 1210-18-71	EACH	1.000	1.000	
0082	619.1000	Mobilization	EACH	0.500	0.500	
0084	624.0100	Water	MGAL	17.000	17.000	
0086	625.0500	Salvaged Topsoil	SY	1,950.000	1,950.000	
8800	628.1504	Silt Fence	LF	900.000	900.000	
0090	628.1520	Silt Fence Maintenance	LF	900.000	900.000	
0092	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0094	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0096	628.2008	Erosion Mat Urban Class I Type B	SY	1,950.000	1,950.000	
0100	628.7504	Temporary Ditch Checks	LF	30.000	30.000	
0102	628.7555	Culvert Pipe Checks	EACH	5.000	5.000	
0104	628.7570	Rock Bags	EACH	40.000	40.000	
0106	629.0210	Fertilizer Type B	CWT	2.000	2.000	
0108	630.0140	Seeding Mixture No. 40	LB	35.000	35.000	
0110	630.0200	Seeding Temporary	LB	53.000	53.000	
0112	630.0500	Seed Water	MGAL	11.000	11.000	
0114	633.5200	Markers Culvert End	EACH	2.000	2.000	
0116	638.2102	Moving Signs Type II	EACH	2.000	2.000	
0118	642.5201	Field Office Type C	EACH	0.500	0.500	
0122	643.0420	Traffic Control Barricades Type III	DAY	1,682.000	1,682.000	
0124	643.0705	Traffic Control Warning Lights Type A	DAY	2,128.000	2,128.000	
0126	643.0900	Traffic Control Signs	DAY	15,095.000	15,095.000	

110-	

Line 0128	Item	Item Description	Linit		
0128		·	Unit	Total	Qty
	643.0910	Traffic Control Covering Signs Type I	EACH	10.000	10.000
0130	643.0920	Traffic Control Covering Signs Type II	EACH	11.000	11.000
0132	643.1000	Traffic Control Signs Fixed Message	SF	435.000	435.000
0134	643.1050	Traffic Control Signs PCMS	DAY	35.000	35.000
0138	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	3,892.000	3,892.000
0140	643.3270	Temporary Marking Line Epoxy 10-Inch	LF	100.000	100.000
0142	643.3920	Temporary Marking Diagonal Epoxy 12-Inch	LF	137.000	137.000
0144	643.5000	Traffic Control	EACH	0.500	0.500
0146	645.0105	Geotextile Type C	SY	450.000	450.000
0148	645.0120	Geotextile Type HR	SY	122.000	122.000
0150	646.2020	Marking Line Epoxy 6-Inch	LF	2,366.000	2,366.000
0152	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	1,526.000	1,526.000
0156	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	100.000	100.000
0158	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000
0162	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	3,892.000	3,892.000
0164	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	100.000	100.000
0166	646.7120	Marking Diagonal Epoxy 12-Inch	LF	137.000	137.000
0168	650.4500	Construction Staking Subgrade	LF	145.000	145.000
0170	650.5000	Construction Staking Base	LF	145.000	145.000
0172	650.6501	Construction Staking Structure Layout (structure) 01. C-05-156	EACH	1.000	1.000
0174	650.8000	Construction Staking Resurfacing Reference	LF	748.000	748.000
0178	650.9911	Construction Staking Supplemental Control (project) 02. 1210-18-71	EACH	1.000	1.000
0180	650.9920	Construction Staking Slope Stakes	LF	145.000	145.000
0182	690.0150	Sawing Asphalt	LF	109.000	109.000
0186	715.0502	Incentive Strength Concrete Structures	DOL	1,680.000	1,680.000
0194	SPV.0060	Special 01. Temporary Water Diversion Unnamed Creek Station 20+00	EACH	1.000	1.000
0196	SPV.0060	Special 02. Construction Staking Sanitary Sewer	EACH	1.000	1.000
0198	SPV.0090	Special 01. 8-Inch PVC SDR 35 Sanitary Sewer	LF	5.000	5.000
0200	SPV.0165	Special 01. Insulation Board, Polystyrene 2-Inch	SF	350.000	350.000
0202	SPV.0200	Special 01. 4-Foot Diameter Sanitary Manhole	VF	10.100	10.100

FINISHING ROADWAY  FI  CATEGORY STATION TO STATION LOCATION  0010 17+52 - 25+00 STH 172 TOTAL 0010	213.0100.02 NISHING ROADWAY 1210-18-71 EACH 1	BASE AGGREGATE ITEMS   305.0110   305.0120   624.0100
   REMOVING ASPHALT   204.0115   REMOVING ASPHALTIC   SURFACE BUTT   JOINTS	204.0120  REMOVING ASPHALTIC SURFACE MILLING SY 1,010 1,920 2,930	PREPARE FOUNDATION  211.0101.02 PREPARE FOUNDATION FOR ASPHALTIC PAVING . 1210-18- 71  CATEGORY STATION TO STATION LOCATION EACH 0010 17+52 - 25+00 STH 172 1  TOTAL 0010 1

							<u>ASPHAL</u>	TIC PAVEMENT IT	<u>EMS</u>								
							450.4000	455.0605		460.6223	460.6224	465.012 ASPHALT SURFAC	TC E				
							HMA COLD WEATHER				HMA PAVEMENT						
				CATEGORY S	STATION TO STATION	LOCATION	PAVING TON	TACK COAT GAL	3	MT 58-28 S TON	4 MT 58-28 S TON	ENTRANC TON					
					17+52 - 19+35 19+35 - 20+80		100 240	70 40		- 160	100 80	- 4					
					20+80 - 25+00	STH 172	190	130		-	190	<del>-</del>					
						TOTAL 0010	530	240		160	370	4					
	SALV	'AGED APRON ENDW/	<u>ALL</u>									<u>LANDSCAF</u>	PE SUMMARY				
			524.0624 APRON ENDWALL	606.020 .s	00 645.0120							E	628.2008 ROSION MAT	629.0210	630.0140	630.0200	630.0500
CATEGORY	STATION	LOCATION	FOR CULVERT PIP SALVAGED 24-INC EACH				CATEGORY	STATION TO	) STATION	I LOCATIO	TOF	/AGED U PSOIL SY	RBAN CLASS I TYPE B SY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 40 LB	SEEDING TEMPORARY LB	SEED WATER MGAL
			1	1	2		0010 0010	18+75 - 18+90 -		STH 172 STH 172		40 030	740 1,030	0 1	13 18	20 28	4 6
0010	20+56	STH 172, RT TOTAL 0010	1	1	2		0010			UNDISTRIE	UTED 1	950	180	1 2	4 35	5	1 11
						_											
													LCONTROL				
		<u>MOBILIZA</u>	TION EROSION CONTRO	_	628 1910							EROSION	N CONTROL				
		MOBILIZA <sup>*</sup>		OL 628.1905 OBILIZATIONS	628.1910 MOBILIZATIONS EMERGENCY							628.1504	628.1520	628.750 TEMPORA			)
		<u>MOBILIZA</u>	М	628.1905 OBILIZATIONS EROSION	MOBILIZATIONS EMERGENCY EROSION							628.1504 SILT FENCE	628.1520 SILT FENCE MAINTENANCE	TEMPORAL DITCH CHEC	RY CULVERT PIE CKS CHECKS	PE ROCK BAG	
CATEGORY	STATION T		М	628.1905 OBILIZATIONS	MOBILIZATIONS EMERGENCY			CATEGORY 0010		TO STATION - 21+15	LOCATION STH 172 LT	628.1504 SILT	628.1520 SILT FENCE	TEMPORA	RY CULVERT PIF	PE	
CATEGORY 0010			М	628.1905  OBILIZATIONS  EROSION  CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL				18+75 18+90			628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	TEMPORA DITCH CHEC LF	RY CULVERT PIF CKS CHECKS EACH	PE ROCK BAG EACH	
		o station -	M	628.1905  OBILIZATIONS  EROSION  CONTROL  EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL EACH			0010 0010	18+75 18+90	- 21+15 - 21+15	STH 172 LT STH 172 RT	628.1504 SILT FENCE LF 430 470	628.1520 SILT FENCE MAINTENANCE LF 430 470	TEMPORAI DITCH CHEC LF - 30	RY CULVERT PII CKS CHECKS EACH - 5	PE ROCK BAG EACH - -	

*#	Additional quantities ei	LSEWHERE		TOTAL 0010		1,442	1,648	515	0.5	
0010 0010	17+50	-	25+00	MAINLINE- BRIDGE OU	T 14	1442	16 1648	5 515	0.5	
CATEGORY	STATION	TO	STATION	LOCATION	EACH	TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A EACH DAY	TRAFFIC CONTROL SIGNS EACH DAY	TRAFFIC CONTROL EACH	
						643.0420	643.0705 TRAFFIC CONTROL	643.0900	643.5000	
				TRAFFIC CONTROL		*	*	*		
			001 001	0 19+40 STH 1	72 RT 72 LT	1 1 2				
			CATEG	ory station loca	MOVI T	8.2102 NG SIGNS YPE II EACH				
				<u>MOVING</u>	<u>SIGNS</u>					
	TOTAL 0010	1								
CATEGORY 0010	LOCATION STH 172	AND REPAIR OF HAUL ROADS 121 18-71 EACH 1					CATEGORY 0010	LOCATION C-05-0156 TOTAL 0010	CULVERT END EACH 2 2	<u>-</u>
		618.0100.02 MAINTENANCE							633.5200 MARKERS	
<u>MAI</u>	NTENANCE AND REPAIR							MARKERS CULVERT	<u>END</u>	

Part								TEMPORARY PA	AVEMENT MARKING 643.3920	643.3270	643.3170				
Comparison   Com							i+00	STH 172	TEMPORARY MARKING DIAGONAL EPO 12-INCH LF	TEMPORARY Y MARKING LINE EPOXY 10-INCH LF 100	TEMPORARY MARKING LINE EPOXY 6-INCH LF 3,892				
MARKING ARROW   DECEMBER   MARKING   DECEMBER   DEC								O LAT OOTO	137	100	5,632				
Marking and				646 5020			646 6466	646 4040	646 2040	646 2020			<u>Sawing A</u>		
0010   17-52   - 25-00   STH 172   2   137   100   3,892   100   1,526   2,366     20-90   STH 172 RT   17   DRIVEWAY	CATEGORY S'	STATION TO STATION	LOCATION	MARKING ARROW EPOXY	MARKING DIAGONAL EPOXY 12-INCH	COLD WEATHER MARKING EPOXY I 10-INCH	COLD WEATHER COMMARKING EPOXY 6- INCH	MARKING LINE GROOVED WET I REF EPOXY 10- C INCH RE	MARKING LINE GROOVED WET EF EPOXY 6-INCH	MARKING LINE POXY 6-INCH	0010	19+26 20+80	STH 172 STH 172	SAWING ASPHALT LF 48	REMARKS
SPV.0060.01			STH 172	2	137	100	3,892	100	1,526	2,366	0010				DRIVEWAY
SPECIAL (01															
0010 17+52 - 25+00 STH 172 145 145 1 748 1 145 0010 20+00 - 20+00 STH 172 1					CONSTRUCTION :	<u>STAKING</u>							Ī	TEMPORARY WATER DIVE	<u>rsion</u>
TOTAL 0010 145 145 1 748 1 145	CATTOON		N. JOSETICA	CONSTRUCTION STAKING SUBGRADE	650.5000  CONSTRUCTION STAKING BASE	650.6501.01  CONSTRUCTION  STAKING STRUCTUI  LAYOUT C-05-150	CONSTRUCTION N STAKING URE RESURFACING N REFERENCE	N CONSTRUCTIC STAKING SUPPLEMENTA CONTROL 1210-1	ON CONSTRUC AL STAKING S 18-71 STAKE	TION .OPE	CATEGORY	STATION			SPV.0060.01 SPECIAL (01. SPECIAL TEMPORARY WATER DIVERSION )

				-				
				-				
			TOTAL 0010	1	5	350	10.1	
0020	17+52	- 25+00	STH 172	1	5	350	10.1	
CATEGORY	STATION	TO STATION	LOCATION	SEWER) EACH	SDR 35 SANITARY SEWER) LF	INCH) SF	MANHOLE) VF	
				SPECIAL (02 CONSTRUCTION STAKING SANITARY	SPECIAL (01. 8-INCH PVC	SPECIAL (01. INSULATION BOARD, POLYSTYRENE, 2	SPECIAL (01. 4- FOOT DIAMETER SANITARY	
				SPV.0060.02	SPV.0090.01	SPV.0165.01	SPV.0200.01	
		<u>:</u>	SANITARY SEWER ITEMS					
	*ADDITIONAL	L QUANTITIES ELSEWHER		J	-	. 15		
	0020	17+52 - 25	5+00 STH 172 TOTAL 002		<u>1</u> 1	715 715		
	CATEGORY	STATION TO STA	ATION LOCATION	SEALING PIPES N EACH	SANITARY MANHOLE EACH	SANITARY SEWER PIPE LF	_	
				* 204.0280	204.9060.S.01 REMOVING	204.9090.S.01 REMOVING		
			<u>SANITA</u>	ARY SEWER REMOVALS				
	0	*ADDITIONAL QUANTI		STH 172 TOTAL 0020	2	160 160		
			N TO STATION		SEALING PIPES EACH	INCH LF		
						204.9090.S.02 REMOVING WATER MAIN PIPE 12-		
			<u></u>	ELTWO WITE TELEVISION OF THE SECOND OF THE S	* 204.0280	204.0000.5.02		
			\\/\^	TER MAIN REMOVALS				

						*	*	*						
						643. 0900	643. 0420	643. 0705	643. 1000	643. 1050		643. 0910	643. 0920	
					APPROX.	DETOUR	BARRI CADES	LI GHTS	FIXED	SI GNS		COVERI NG	COVERI NG	
				NUMBER	SERVI CE	SI GNS	TYPE III	TYPE A	MESSAGE	PORTABLE		SI GNS	SI GNS	
				IN	PERI OD				SIGN	CHANGEABLE	NO OF	TYPE I	TYPE II	
SIGN		SIGN	SI ZE	SERVI CE	60					MESSAGE	CYCLES		1	
NO.	LOCATI ON	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
1	STH 54, W. OF STH 172, PLACE 1000' W. OF STH 172 RAB INTERSECTION	M 1-6	24"X24"	1	60	60								172
		W 20-2A	48"X48"	1	60	60						1		
2	STH 54, W. OF STH 172, COVER EXISTING OH TYPE I SIGNS AS SHOWN										1	2		COVER TYPE I SIGNS AS SHOWN
3	STH 54, W. OF STH 172, PLACE NEXT TO SIGN BRIDGE ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60						1		
	"	M 3-2	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	"	MO 6-1	21"X21"	1	60	60						1		AHEAD
4	STH 54, W. OF STH 172, PLACE 100' W. OF STH 172 RAB INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"X12"	1	60	60								
	и	M 1-6	24"X24"	1	60	60								172
	II .	MO 6-1	21"X21"	1	60	60								AHEAD
5	CTH E, S. OF STH 172/54, COVER EXISTING D1-62 SIGN AS SHOWN										1		1	COVER "EAST 172"
6	STH 172, AT STH 54 RAB, COVER EXISTING D1-1 SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
7	STH 172, AT STH 54 RAB, PLACE AT EXIT TO STH 172 ON RIGHT SHOULDER	R 11-3	60"X30"	1	60	60	60	120						3/4 MILES AHEAD
	"	M 4-9L	30"X24"	1	60	60								
8	STH 172, E. OF STH 54, COVER EXISTING J4-1 SIGN AS SHOWN										1		1	COVER ENTIRE SIGN
9	STH 54, AT STH 172, PLACE ON SPLITTER ISLAND TO STH 54 EB EXIT	MO 4-8	24"X12"	1	60	60								
	n.	M 3-2	24"X12"	1	60	60								
	.0	M 1-6	24"X24"	1	60	60								172
	n	MO 6-2	21"X21"	1	60	60								TILT RIGHT
10	STH 54, N. OF STH 172, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	24"X12'	1	60	60								
		M 3-2	24"X12"	1	60	60								
	n	M 1-6	24"X24"	1	60	60								172
11	STH 54, N. OF STH 172, COVER EXISTING OH TYPE I SIGN AS SHOWN										1	1		COVER SIGN AS SHOWN
12	STH 54, N. OF STH 172, MODIFY EXISITNG J1-1 SIGN AS SHOWN	M 4-8A	24"X18"	1	60	60							<u> </u>	
13	STH 54, S. OF CTH GE, PLACE 250' S. OF CTH GE INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"X12"	1	60	60							<u> </u>	<u> </u>
	u .	M 1-6	24"X24"	1	60	60								172
	п	MO 6-1	21"X21"	1	60	60							<u> </u>	AHEAD
14	STH 54, AT CTH GE, COVER EXISTING J13-1 SIGN AS SHOWN									1	1		1	COVER ENTIRE SIGN
15	STH 54, AT CTH GE, COVER EXISTING J13-1 SIGN AS SHOWN		1				1	ļ	ļ	1	1		1	COVER ENTIRE SIGN
16	STH 54, N. OF CTH GE, PLACE 250' N. OF CTH GE INTERSECTION	MO 4-8	24"X12"	1	60	60							<u> </u>	
	n .	M 3-4	24"X12"	1	60	60				1			<u> </u>	
	п	M 1-6	24"X24"	1	60	60	1			1			<b></b> '	172
		MO 6-1	21"X21"	1	60	60				1			<u> </u>	AHEAD
17	CTH GE, N. OF STH 172, PLACE LEFT OF EXISTING D1-62 SIGN ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60							<u> </u>	
	11	M 3-4	24"X12"	1	60	60							<u> </u>	
	п	M 1-6	24"X24"	1	60	60							<u> </u>	172
	n	MO 6-1	21"X21"	1	60	60							<u> </u>	LEFT
18	CTH GE, N. OF STH 172, COVER EXISTING D1-62 SIGN AS SHOWN									1	1		1	COVER "WEST 172"
19	STH 172, AT CTH GE, COVER EXISTING D1-1 SIGN AT STH 172 WB RAB EXIT										1		1	COVER ENTIRE SIGN
20	STH 172, AT CTH GE, PLACE IN ROADWAY AT STH 172 WB RAB EXIT	R 11-3	60"X30"	1	60	60	60	120		1			<u> </u>	3/4 MILES AHEAD
21	STH 172, W. OF CTH GE, COVER EXISTING J4-1 SIGN AS SHOWN							l	I	1	1		1	COVER ENTIRE SIGN
	PAGE SUBTOTALS			33		1, 980	120	240	0	0		3	8	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

						*	*	*						
01.01		01.01	01.75	NUMBER I N	APPROX. SERVI CE PERI OD	643. 0900 DETOUR SI GNS	643. 0420 BARRI CADES TYPE III	643. 0705 LI GHTS TYPE A	643. 1000 FI XED MESSAGE SI GN	643. 1050 SI GNS PORTABLE CHANGEABLE	NO OF	643. 0910 COVERI NG SI GNS TYPE I	643. 0920 COVERI NG SI GNS TYPE I I	
SIGN	LOCATION	SIGN	SIZE	SERVI CE	60	DA1/6	E4011	E4011	0.5	MESSAGE	CYCLES	F 4 011	E4011	DEMARKS
NO.	LOCATION	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
22	CTH GE, S. OF STH 172, PLACE RIGHT OF EXISTING D1-62 SIGN ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60						-		
I -	"	M 3-4	24"X12"	1 1	60	60				-		-		172
<b>I</b>		M 1-6 MO 6-1	24"X24" 21"X21"	1 1	60	60						-		172 RI GHT
23	CTH GE. S. OF STH 172, COVER EXISTING D1-62 SIGN AS SHOWN	MO 6-1	21 X21	+ '	60	60					1	-	1	COVER "WEST 172"
23	CTH GE, S. OF STH 172, COVER EXISTING DI-02 SIGN AS SHOWN  CTH GE, S. OF STH 172, PLACE 750' S. OF STH 172 RAB INTERSECTION	M 3-4	24"X12"	1	60	60					<u> </u>		'	COVER WEST 1/2
	CIR GE, S. OF SIR 172, PLACE 750 S. OF SIR 172 RAB INTERSECTION	M 1-6	24 X12 24"X24"	1	60	60								172
-	и	W 20-2A	48"X48"	1	60	60								172
25	STH 172, W. OF CTH GE, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS	40 740	1 1	00	00				7				PLACE IN ADVANCE OF CLOSURE
25A	STH 172, E. OF STH 54, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1 1						7				PLACE IN ADVANCE OF CLOSURE
25A 26	CTH GE, N. OF STH 172, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1	+				<del> </del>	7		+		FOR RAB RESURFACE ONLY
26A	STH 172, E. OF CTH GE, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS		1					<del>                                     </del>	7		1		FOR RAB RESURFACE ONLY
26B	CTH GE, S. OF STH 172, PLACE ON RIGHT SHOULDER, FIELD DETERMINE LOCATION	PCMS PCMS		1 1						7				FOR RAB RESURFACE ONLY
27	STH 172, W. OF AIRPORT RAB. PLACE 250' W. OF AIRPORT RAB INTERSECTION	MO 4-8	24"X12"	1 1	60	60				,		-		TOR RAD RESURFACE ONET
	on the first was a second of the first was a	M 3-4	24"X12"	1 1	60	60								
	n .	M 1-6	24"X24"	<del> </del>	60	60								172
	II.	MO 6-1	21"X21"	1 1	60	60								AHEAD
28	STH 172, AT ALRPORT RAB, PLACE ON RIGHT SHOULDER FOR STH 172 WB EXIT	R 11-3	60"X30"	1	60	60	60	120						2 MILES AHEAD
29	STH 172, AT AIRPORT RAB, COVER EXISTING D1-1 SIGN AT STH 172 WB SPLITTER ISLAND	0	00 7.00	<u> </u>	- 55	- 55		.20			1		1	COVER ENTIRE SIGN
30	STH 172, E. OF AIRPORT RAB, COVER EXISTING OH TYPE I SIGNS AS SHOWN										<u>·</u> 1	2	·	COVER SIGN AS SHOWN
31	STH 172. W. OF CTH EB/PACKERLAND. COVER EXISTING J4-1 SIGN AS SHOWN										<u>·</u> 1		1	COVER ENTIRE SIGN
32	STH 172, W. OF CTH EB/PACKERLAND, PLACE 1000' W. OF CTH EB INTERSECTION ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60								
	n n	M 3-4	36"X18"	1	60	60								
		M 1-6	36"X36"	1	60	60								172
	"	MO 5-1L	30"X30"	1	60	60								
33	STH 172, W. OF CTH EB/PACKERLAND, PLACE 1000' W. OF CTH EB INTERSECTION IN MEDIAN	MO 4-8	36"X18"	1	60	60								
	п	M 3-4	36"X18"	1	60	60								
	n	M 1-6	36"X36"	1	60	60								172
	n	MO 5-1L	30"X30"	1	60	60								
34	STH 172, AT CTH EB/PACKERLAND, PLACE IN NW QUADRANT OF INTERSECTION ON SHOULDER	R 11-3	60"X30"	1	60	60	60	120						3 MILES AHEAD
35	CTH EB, AT STH 172, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	21"X21"	1	60	60								RI GHT
36	CTH EB, S. OF STH 172, PLACE 750' S. OF STH 172 INTERSECTION	M 3-4	24"X12"	1	60	60								
	u .	M 1-6	24"X24"	1	60	60								172
	n	W 20-2A	48"X48"	1	60	60								
37	STH 172, E. OF CTH EB, PLACE 500' E. OF CTH EB INTERSECTION ON RIGHT SHOULDER	R 10-61	60"X30"	1	60	60								ROAD OPEN TO ALRPORT
38	STH 172, E. OF CTH EB, PLACE 500' E. OF CTH EB INTERSECTION IN MEDIAN	R 10-61	60"X30"	1	60	60			ļ					ROAD OPEN TO AIRPORT
39	CTH EB, AT STH 172, MODIFY EXISTING J13-1 SIGN AS SHOWN	MO 6-1	21"X21"	1	60	60								LEFT
40	CTH EB, N. OF STH 172, PLACE 750' N. OF STH 172 INTERSECTION	M 3-4	24"X12"	1	60	60			ļ					
	n	M 1-6	24"X24"	1	60	60								172
	"	W 20-2A	48"X48"	1	60	60								
41	CTH EB, N. OF STH 172, PLACE 750' N. OF STH 172 INTERSECTION IN MEDIAN	M 3-4	24"X12"	1	60	60								
	n u	M 1-6	24"X24"	1 1	60	60			<u> </u>			-		172
	" PLOS CUPTOTU O	W 20-2A	48"X48"	1 1	60	60	165							
	PAGE SUBTOTALS			39		2, 040	120	240	0	35		2	3	

PLAN SHEET PRODUCED

BY WisDOT - NE REGION

	T					643. 0900	643. 0420	643. 0705	643. 1000	643. 1050		643. 0910	643. 0920	
					APPROX.	DETOUR	BARRI CADES		FI XED	SI GNS		COVERI NG	COVERI NG	
				NUMBER	SERVI CE	SI GNS	TYPE III	TYPE A	MESSAGE	PORTABLE		SIGNS	SIGNS	
				INDIVIDER	PERI OD	31 0113	''''	I TIPE A	SIGN	CHANGEABLE	NO OF	TYPE I	TYPE II	
GN		SI GN	SI ZE	SERVI CE					31 GN	MESSAGE	CYCLES	11176 1	11171	
10.	LOCATION	CODE	WXH	JERVICE	DAYS	DAYS	EACH	EACH	SF	DAYS	CICLLS	EACH	EACH	REMARKS
12	STH 54, W. OF CTH EB, PLACE 500' W. OF CTH EB INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	60	60	LACIT	LACIT	- 31	DATS		LACIT	LACIT	KLWAKKS
12	STILL ST, W. OF STILL ED, TENDE SOO W. OF STILL ED TWICKSECTION TN MEDITAL	M 3-2	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	"	MO 6-1	21"X21"	1	60	60								AHEAD
13	STH 54, W. OF CTH EB, PLACE 500' W. OF CTH EB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60								,
	"	M 3-2	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	"	MO 6-1	21"X21"	1	60	60								AHEAD
4	STH 54, E. OF CTH EB, PLACE 500' E. OF CTH EB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60								
	"	M 3-4	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	п	MO 6-1	21"X21"	1	60	60								AHEAD
5	STH 54, E. OF CTH EB, PLACE 500' E. OF CTH EB INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	60	60								
	п	M 3-4	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	"	MO 6-1	21"X21"	1	60	60								AHEAD
6	STH 54, W. OF I-41, PLACE 750' W. OF I-41 SB RAMP RAB INTERSECTION ON RIGHT SHOULDER	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
	"	MO 5-1R	21"X21"	1	60	60								
17	STH 54, W. OF I-41, PLACE 750' W. OF I-41 SB RAMP RAB INTERSECTION IN MEDIAN	MO 4-8	24"X12"	1	60	60								
	"	M 3-2	24"X12"	1	60	60								
		M 1-6	24"X24"	1	60	60								172
10	" " " " " " " " " " " " " " " " " " "	MO 5-1R	21"X21"	1 1	60	60								
18	STH 54, W. OF I-41, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8 M 3-4	24"X12" 24"X12"	1	60	60								
		M 1-6	24" X12" 24" X24"	1 1	60 60	60								172
40	CTU 54 W OF L 44 DIAGE OF U W OF L 44 CD DAMP DAD INTERCENTION ON DIGHT CHOW DED	MO 4-8	24 X24 24"X12"	1 1	60	60								172
19	STH 54, W. OF I-41, PLACE 250' W. OF I-41 SB RAMP RAB INTERSECTION ON RIGHT SHOULDER	M 3-2	24 X12 24"X12"	1	60	60								
	"	M 1-6	24 X12 24"X24"	1	60	60								172
	-	MO 6-1	24 X24 21"X21"	1 1	60	60	1							RI GHT
50	STH 54, BETWEEN I-41 RAMPS, PLACE 150' E. OF I-41 SB RAMP RAB INTERSECTION	MO 4-8	24"X12"	1 1	60	60								RIGHT
,0	" LAGE 130 E. OF 1-41 30 NAME NAD INTERSECTION	M 3-4	24 X12 24"X12"	1	60	60		<del>                                     </del>		<del>                                     </del>			<del>                                     </del>	
	<u> </u>	M 1-6	24 X12 24"X24"	1 1	60	60		<del>                                     </del>		<del>                                     </del>			<del>                                     </del>	172
	•	MO 6-1	21"X21"	1 1	60	60	1							AHEAD
51	I-41 SB OFF-RAMP TO STH 54, PLACE 250' PRIOR TO RAMP RAB INTERSECTION	MO 4-8	24"X12"	1	60	60	1							MILNO
<i>-</i> 1	" " I See See See See See See See See See S	M 3-4	24"X12"	1	60	60	1	1		1				
	"	M 1-6	24"X24"	1 1	60	60	1	1		1				172
	"	MO 6-1	21"X21"	1	60	60	1	1						RI GHT
	PAGE SUBTOTALS			39		2, 340	0	0	0	0		0	0	****

PAGE SUBTOTALS 39 2,340 0 0 0 0 0 0 0

PLAN SHEET PRODUCED BY WisDOT - NE REGION

						*	*	*						
				NUMBER I N	APPROX. SERVI CE PERI OD	643. 0900 DETOUR SI GNS	643. 0420 BARRI CADES TYPE III	643. 0705 LI GHTS TYPE A	643. 1000 FIXED MESSAGE SIGN	643. 1050 SI GNS PORTABLE CHANGEABLE	NO OF	643. 0910 COVERI NG SI GNS TYPE I	643.0920 COVERING SIGNS TYPE II	
SIGN		SIGN	SI ZE	SERVI CE	60					MESSAGE	CYCLES			
NO.	LOCATION	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
52	I-41 SB OFF-RAMP TO STH 54, PLACE 750' PRIOR TO RAMP RAB INTERSECTION	MO 4-8	24"X12"	1	60	60								
	<u>"</u>	M 3-4	24"X12"	1	60	60		-					<del></del>	470
		M 1-6	24"X24"	1	60	60							+	172
	L 44 CD C/D, DIACE AT EVIT DOINT TO CTIL 54	MO 5-1R	21"X21"	1	60	60							++	
53	I-41 SB C/D, PLACE AT EXIT POINT TO STH 54	MO 4-8 M 3-4	36"X18" 36"X18"	1	60	60 60	<b> </b>						++	
	"	M 1-6	36 X18 36"X36"	1	60	60	<b> </b>						++	172
	u.	MO 6-2	30"x30"	1	60	60	+			+			+	TILT RIGHT
54	I-41 SB C/D, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	FMS	54"X18"	1	00	80			6. 75				+	WEST
34	1-41 3B C/D, PLACE ON EXISTING OIL FIFE 1 STOWAS SHOWN	M 1-56A	45"X36"	1	60	60			0.73				++	172
55	I-41 SB C/D ROADWAY. PLACE IN MEDIAN 750' PRIOR TO STH 54 EXIT	MO 4-8	36"X18"	1	60	60	<b>†</b>						+	112
- 55	1 41 30 37 KANDINAT, TENSE THE MEDITAL 730 TRIOR TO STIT 34 EXT	M 3-4	36"X18"	1	60	60							<del>                                     </del>	
	"	M 1-6	36" X36"	1	60	60							<del>                                     </del>	172
	"	MO 5-2R	30"x30"	1	60	60							<del>                                     </del>	
56	I-41 SB C/D ROADWAY. PLACE ON RIGHT SHOULDER 750' PRIOR TO STH 54 EXIT	MO 4-8	36"X18"	1	60	60								-
	n n	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 5-2R	30"x30"	1	60	60								
57	I-41 SB C/D ROADWAY, PLACE IN MEDIAN 1250' PRIOR TO STH 54 EXIT	FMS	120"X72"	1					60.00					
58	I-41 SB C/D ROADWAY, PLACE ON RIGHT SHOULDER 1250' PRIOR TO STH 54 EXIT	FMS	120"X72"	1					60.00					
59	I-41 SB C/D, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	FMS	54"X18"	1					6. 75					WEST
	n.	M 1-56A	45"X36"	1	60	60								172
60	I-41 SB C/D ROADWAY, PLACE IN MEDIAN 1750' PRIOR TO STH 54 EXIT	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	W 20-2A	48"X48"	1	60	60								
61	I-41 SB C/D ROADWAY, PLACE ON RIGHT SHOULDER 1750' PRIOR TO STH 54 EXIT	M 3-4	36"X18"	1	60	60							<u> </u>	
	"	M 1-6	36"X36"	1	60	60							<u> </u>	172
	"	W 20-2A	48"X48"	1	60	60								
62	I-41 NB RAMP RAB AT STH 54, PLACE ABOVE EXISTING D1-3 SPLITTER ISLAND SIGN AT NORTH LEG	MO 4-8	24"X12"	1	60	60								
	"	M 3-4	24"X12"	1	60	60		-			-			
	п	M 1-6	24"X24"	1	60	60								172
	"	MO 6-2	21"X21"	1	60	60								TILT LEFT
63	I-41 NB RAMP RAB AT STH 54, PLACE ABOVE EXISTING D1-3 SPLITTER ISLAND SIGN AT EAST LEG	MO 4-8	24"X12"	1	60	60								
	"	M 3-4	24" X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60								172
		MO 6-2	21"X21"	1	60	60								TILT LEFT
64	I-41 NB OFF-RAMP TO STH 54, PLACE 250' PRIOR TO RAMP RAB INTERSECTION	MO 4-8	24"X12"	1	60	60								
	"	M 3-4	24"X12"	1	60	60								
	"	M 1-6	24"X24"	1	60	60					·			172
	п	MO 6-1	21"X21"	1	60	60								LEFT
	PAGE SUBTOTALS			40		2, 160	0	0	133. 50	0		0	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

					1	*	*	*						
				NUMBER I N	APPROX. SERVI CE PERI OD	643. 0900 DETOUR SI GNS	643. 0420 BARRI CADES TYPE 111		643. 1000 FIXED MESSAGE SIGN	643. 1050 SI GNS PORTABLE CHANGEABLE	NO OF	643. 0910 COVERI NG SI GNS TYPE I	643.0920 COVERING SIGNS TYPE II	
SI GN		SI GN	SI ZE	SERVI CE					SIGN	MESSAGE	CYCLES	ITPE	TIPE II	
NO.	LOCATI ON	CODE	WXH	SERVICE	DAYS	DAYS	EACH	EACH	SF	DAYS	CICLLS	EACH	EACH	REMARKS
65	I-41 NB OFF-RAMP TO STH 54, PLACE 750' PRIOR TO RAMP RAB INTERSECTION	MO 4-8	24"X12"	1	60	60	LACII	LACII	31	DATS		LACIT	LACII	KLWAKKS
- 00	THE STANDARD TO STANDARD THE ST	M 3-4	24"X12"	1	60	60								
		M 1-6	24"X24"	1	60	60								172
	"	MO 5-1L	21"X21"	1	60	60								· · · · · · · · · · · · · · · · · · ·
66	I-41 NB. AT STH 54 EXIT. PLACE AT EXIT POINT TO STH 54 RAMP	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60			1					172
	п	MO 6-2	30"x30"	1	60	60								TILT RIGHT
67	I-41 NB, S. OF STH 54, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	FMS	54"X18"	1					6. 75					WEST
	"	M 1-56A	45"X36"	1	60	60								172
68	I-41 SB, S. OF STH 54, PLACE RIGHT OF EXISTING J4-1 SIGN	MO 4-8	36"X18"	1	60	60								
	u u	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
69	I-41 NB, S. OF STH 54, PLACE 1000' S. OF STH 54 RAMP IN MEDIAN	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	,	M 1-6	36"X36"	1	60	60								172
	u .	MO 5-1R	30"x30"	1	60	60								
70	I-41 NB, S. OF STH 54, PLACE 1000' S. OF STH 54 RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	The state of the s	M 1-6	36"X36"	1	60	60								172
	"	MO 5-1R	30"x30"	1	60	60								
71	I-41 NB, S. OF STH 54, PLACE ON EXISTING OH TYPE I SIGN AS SHOWN	FMS	54"X18"	1					6. 75					WEST
70	" " " " " " " " " " " " " " " " " " "	M 1-56A	45"X36"	1	60	60								172
72	I-41 SB, N. OF LOMBARDI AVE, PLACE 500' N. OF LOMBARDI AVE IN MEDIAN	MO 4-8 M 3-2	36"X18" 36"X18"	1	60	60								
		M 3-2	36" X 18" 36" X 36"	1 1	60	60 60								172
	n.	MO 6-1	30"x30"	1	60	60								AHEAD
70	I - 41 SB, N. OF LOMBARDI AVE. PLACE 500' N. OF LOMBARDI AVE ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60	+		1	+			+	АПЕАО
73	1-41 3D, N. UF LUMDAKUI AVE, PLACE SUU N. UF LUMBAKUI AVE UN KIGHI SHUULDEK	M 3-2	36"X18"	1	60	60	+	1	1	+ +			<del>                                     </del>	
	п	M 1-6	36"X36"	1	60	60	+	<del> </del>	1	+ +		1		172
	п	MO 6-1	30"x30"	1	60	60	+	<del> </del>	1	+ +			<del>                                     </del>	AHEAD
74	I-41 NB. S. OF LOMBARDI AVE. PLACE 500' S. OF LOMBARDI AVE ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60				+				AIILAU
- / -	I TI NU, S. SI ESINDANDI AVE, I EACE SOO S. SI ESINDANDI AVE SIN KI SIII SIIOOEDEK	M 3-4	36"X18"	1	60	60			<del> </del>					
	п	M 1-6	36"X36"	1	60	60				+		1		172
	п	MO 6-1	30"x30"	1	60	60	1	1	1	† †		1		AHEAD
75	I-41 NB, S. OF LOMBARDI AVE, PLACE 500' S. OF LOMBARDI AVE IN MEDIAN	MO 4-8	36"X18"	1	60	60			1	1		1		
	II	M 3-4	36"X18"	1	60	60			1	1		1		
	п	M 1-6	36"X36"	1	60	60								172
	п	MO 6-1	30"x30"	1	60	60								AHEAD
	PAGE SUBTOTALS	•		39		2, 220	0	0	13. 50	0		0	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

Е SHEET PROJECT NUMBER: 1210-18-71 HWY: STH 172 COUNTY: BROWN MISCELLANEOUS QUANTITIES

				NUMBER I N	APPROX. SERVI CE PERI OD	643. 0900 DETOUR SI GNS	643. 0420 BARRI CADES TYPE III	643. 0705 LI GHTS TYPE A	643. 1000 FI XED MESSAGE SI GN	643. 1050 SI GNS PORTABLE CHANGEABLE	NO OF	643. 0910 COVERI NG SI GNS TYPE I	643. 0920 COVERING SIGNS TYPE II	
SIGN		SIGN	SI ZE	SERVI CE	60					MESSAGE	CYCLES			
NO.	LOCATION	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
76	I-41 SB, S. OF LOMBARDI AVE, COVER EXISTING TYPE I OH SIGN AS SHOWN										1	1		COVER "WEST 172"
77	I-41 SB, N. OF STH 172, COVER EXISTING TYPE I OH SIGN AS SHOWN										1	1		COVER "WEST 172"
78	I-41 SB, N. OF STH 172, PLACE ON RIGHT SHOULDER AT SIGN STRUCTURE TO STH 172	M 4-8A	36"X24"	1	60	60								
		M 3-2	36"X18"	1	60	60								
70	L 44 ND, N. OF CTU 470, DIACE OFGI, N. OF CTU 470 ENTRANCE DAND	M 1-6	36" X36"	1	60	60								172
79	I-41 NB, N. OF STH 172, PLACE 250' N. OF STH 172 ENTRANCE RAMP	MO 4-8 M 3-4	36"X18"	1	60	60 60								
		M 1-6	36" X18" 36" X36"	1	60 60	60								172
80	I-41 SB OFF-RAMP TO STH 172. COVER EXISTING TYPE I OH SIGN AS SHOWN	IVI I-O	30 X30	<del>                                     </del>	60	60			+		1	1		COVER "WEST 172"
81	STH 172 EB, W. OF I-41, PLACE 750' W. OF I-41 OFF-RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60					<u> </u>	ı		COVER WEST 172
υı	SIII 172 ED, W. OI 1-41, FLACE 750 W. OF 1-41 OFF-RAWIF ON KIONI SHOULDER	M 3-4	36"X18"	1	60	60			<del> </del>	+				
	0	M 1-6	36"X36"	1	60	60								172
	"	MO 5-2R	30" x30"	1	60	60								172
82	STH 172 EB, W. OF I-41, PLACE 750' W. OF I-41 OFF-RAMP IN MEDIAN	MO 4-8	36"X18"	1	60	60								
02	311 172 E5, W. 61 1 11, TENSE 700 W. 61 1 11 011 WWW TW MEDITION	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 5-2R	30"x30"	1	60	60								.,,_
83	STH 172 EB. AT I-41 EXIT. PLACE AT I-41 EXIT RAMP POINT	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	n .	M 1-6	36" X36"	1	60	60								172
	п	MO 6-2	30"x30"	1	60	60								TILT RIGHT
84	STH 172 TO I-41 RAMP, PLACE IN MEDIAN AT EXIT POINT TO I-41 NB RAMP	MO 4-8	36"X18"	1	60	60								
	п	M 3-4	36" X18"	1	60	60								
	п	M 1-6	36" X36"	1	60	60								172
	"	MO 6-2	30"x30"	1	60	60								TILT LEFT
85	STH 172 WB, AT I-41 NB RAMP, PLACE AT I-41 NB EXIT RAMP POINT ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60								
	и	M 3-4	36" X18"	1	60	60								
	"	M 1-6	36" X36"	1	60	60								172
	"	MO 6-2	30" x30"	1	60	60								TILT RIGHT
86	STH 172 WB, E. OF I-41 NB RAMP, COVER/MODIFY EXISTING TYPE I OH SIGN AS SHOWN										1	1		COVER "WEST 172"
	"	FMS	54"X18"	1					6. 75					WEST
	"	M 1-55A	45" X36"	1	60	60								172
87	STH 172 WB, E. OF I-41 NB RAMP, PLACE 1000' E. OF I-41 NB RAMP IN MEDIAN	MO 4-8	36"X18"	1	60	60			1					
	"	M 3-4	36"X18"	1	60	60								
	n	M 1-6	36" X36"	1	60	60								172
	"	MO 5-2R	30" x30"	1	60	60								
88	STH 172 WB, E. OF I-41 NB RAMP, PLACE 1000' E. OF I-41 NB RAMP ON RIGHT SHOULDER	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36" X18"	1	60	60								
	"	M 1-6	36" X36"	1	60	60								172
	PAGE SUBTOTALS	MO 5-2R	30"x30"	36	60	60 2, 100								

PLAN SHEET PRODUCED BY WisDOT - NE REGION

Е

# TRAFFIC CONTROL DETOUR SIGN SUMMARY

		-				*	*	*						
						643.0900	643. 0420	643. 0705	643. 1000	643. 1050		643. 0910		
					APPROX.	DETOUR	BARRI CADES		FI XED	SI GNS		COVERI NG	COVERI NG	
				NUMBER	SERVI CE	SI GNS	TYPE III	TYPE A	MESSAGE	PORTABLE		SI GNS	SI GNS	
				I N	PERI OD				SIGN	CHANGEABLE	NO OF	TYPE I	TYPE II	
SIGN		SI GN	SI ZE	SERVI CE	60					MESSAGE	CYCLES			
NO.	LOCATI ON	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
89	STH 172 WB, E. OF I-41 NB RAMP, PLACE 1500' E. OF I-41 NB RAMP IN MEDIAN	FMS	138"X54"	1					51. 75					
90	STH 172 WB, E. OF I-41 NB RAMP, PLACE 1500' E. OF I-41 NB RAMP ON RIGHT SHOULDER	FMS	138"X54"	1					51. 75					
91	STH 172 WB, E. OF I-41 NB RAMP, PLACE 2000' E. OF I-41 NB RAMP IN MEDIAN	W 20-2A	48"X48"	1	60	60								
92	STH 172 WB, E. OF I-41 NB RAMP, PLACE 2000' E. OF I-41 NB RAMP ON RIGHT SHOULDER	W 20-2A	48" X48"	1	60	60								
93	STH 172 WB, E. OF I-41 NB RAMP, PLACE ON EXISTING TYPE I OH SIGN AS SHOWN	FMS	54"X18"	1					6. 75					WEST
	"	M 1-55A	45"X36"	1	60	60								172
94	I-41 NB TO STH 172 WB RAMP, COVER EXISTING TYPE I OH SIGN AS SHOWN										1	1		COVER "WEST 172"
95	I-41 NB TO STH 172 C/D ROADWAY, MODIFY EXISTING TYPE I OH SIGN AS SHOWN	FMS	48"X18"	1					6.00					EAST
	"	FMS	54"X18"	1					6. 75					WEST
	<b>"</b>	M 1-56A	45"X36"	1	60	60								
	I-41 NB TO STH 172 C/D ROADWAY, PLACE AT SIGN BRIDGE STRUCTURE ON LEFT SHOULDER	MO 4-8	36" X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 6-1	30"x30"	1	60	60								AHEAD
96	I-41 NB TO STH 172 C/D ROADWAY, MODIFY EXISTING TYPE I OH SIGN AS SHOWN	FMS	48"X18"	1					6.00					EAST
	"	FMS	54"X18"	1					6. 75					WEST
	"	M 1-56A	45"X36"	1	60	60								
	I-41 NB TO STH 172 C/D ROADWAY, PLACE AT SIGN BRIDGE STRUCTURE ON LEFT SHOULDER	MO 4-8	36" X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 6-1	30"x30"	1	60	60								AHEAD
97	I-41 NB, N. OF GLORY RD, PLACE 1200' N. OF GLORY RD OVERPASS ON RIGHT SHOULDER	MO 4-8	36" X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 6-1	30"x30"	1	60	60								AHEAD
98	I-41 NB, N. OF GLORY RD, PLACE 1200' N. OF GLORY RD OVERPASS IN MEDIAN	MO 4-8	36"X18"	1	60	60								
	"	M 3-4	36"X18"	1	60	60								
	"	M 1-6	36"X36"	1	60	60								172
	"	MO 6-1	30"x30"	1	60	60								AHEAD
99	I-41 NB, N. OF GLORY RD, MODIFY EXISTING TYPE I OH SIGN AS SHOWN	FMS	48"X18"	1					6. 00					EAST
	"	M 1-56A	45"X36"	1	60	60								172
	"	FMS	54"X18"	1					6. 75					WEST
100	I -41 NB, S. OF GLORY RD, PLACE 100' S. OF GLORY RD OVERPASS ON RIGHT SHOULDER	FMS	120"X72"	1					60.00					
101	I-41 NB, S. OF GLORY RD, PLACE 100' S. OF GLORY RD OVERPASS IN MEDIAN	FMS	120" X72"	1					60.00					
	PAGE SUBTOTALS			33		1, 320	0	0	268. 50	0		1	0	

PLAN SHEET PRODUCED BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

\* \*

						643. 0900	643. 0420	643. 0705	643. 1000	643. 1050		643. 0910	643. 0920	
					APPROX.		BARRI CADES		FI XED	SIGNS		COVERI NG	COVERI NG	
				NUMBER	SERVI CE	SI GNS	TYPE III	TYPE A	MESSAGE	PORTABLE		SI GNS	SI GNS	
				ΙN	PERI OD				SIGN	CHANGEABLE	NO OF	TYPE I	TYPE II	
SIGN		SIGN	SI ZE	SERVI CE	60					MESSAGE	CYCLES			
NO.	LOCATION	CODE	WXH		DAYS	DAYS	EACH	EACH	SF	DAYS		EACH	EACH	REMARKS
102	I-41 NB, S. OF GLORY RD, MODIFY EXISTING TYPE I OH SIGN AS SHOWN	FMS	48"X18"	1					6. 00					EAST
	н.	M 1-56A	45"X36"	1	60	60								172
	u.	FMS	54"X18"	1					6. 75					WEST
103	I-41 NB, S. OF GLORY RD, PLACE 1500' S. OF GLORY RD OVERPASS ON RIGHT SHOULDER	M 3-4	36"X18"	1	60	60								
	u.	M 1-6	36"X36"	1	60	60								172
	u.	W 20-2A	48"X48"	1	60	60								
104	I-41 NB, S. OF GLORY RD, PLACE 1500' S. OF GLORY RD OVERPASS IN MEDIAN	M 3-4	36"X18"	1	60	60								
	н.	M 1-6	36"X36"	1	60	60								172
	ıi.	W 20-2A	48"X48"	1	60	60					•			
	PAGE SUBTOTALS			9		420	0	0	12. 75	0		0	0	

268

14, 580 240 480

35 10

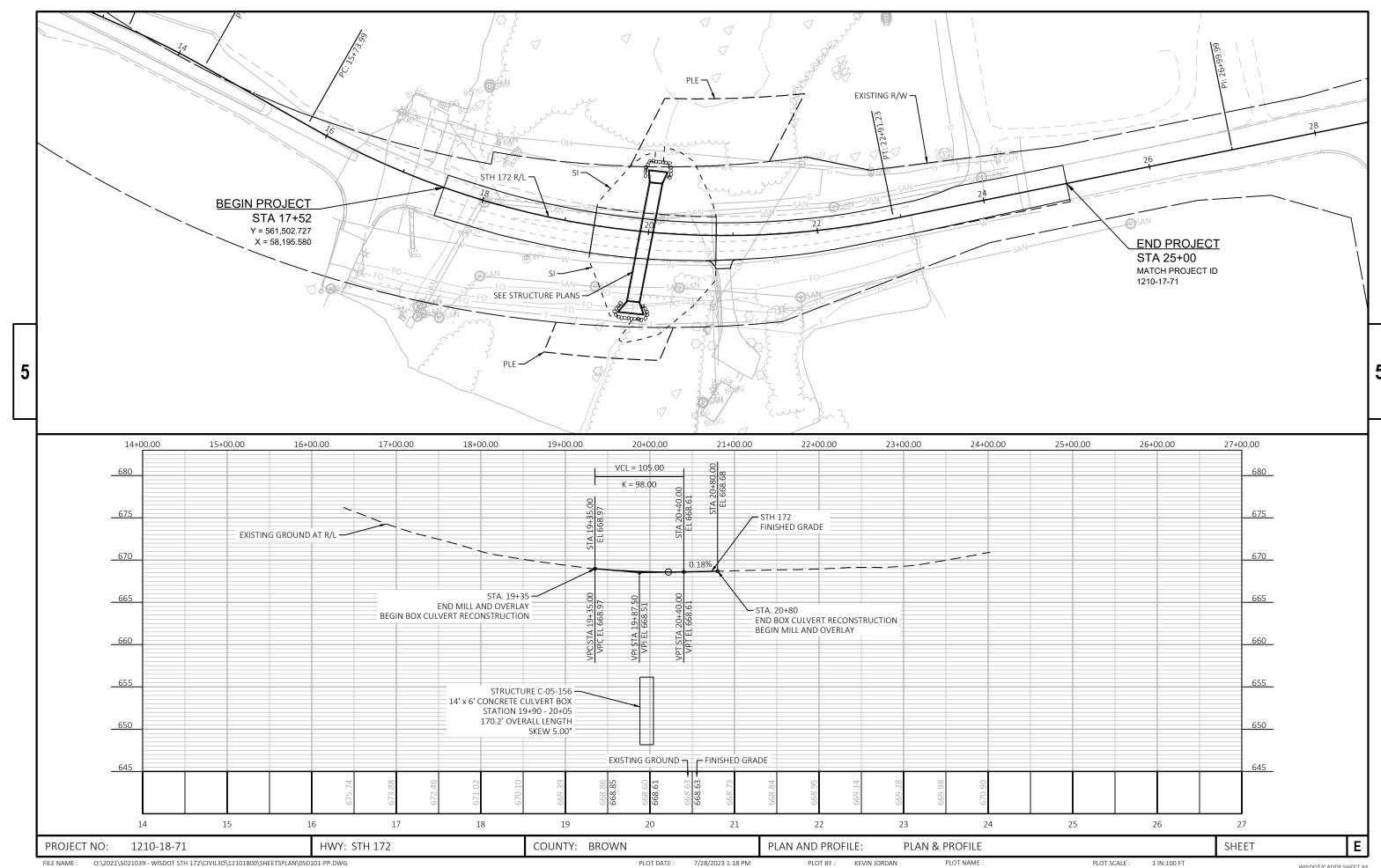
11

435.00

\*ADDITIONAL QUANTITIES ELSEWHERE

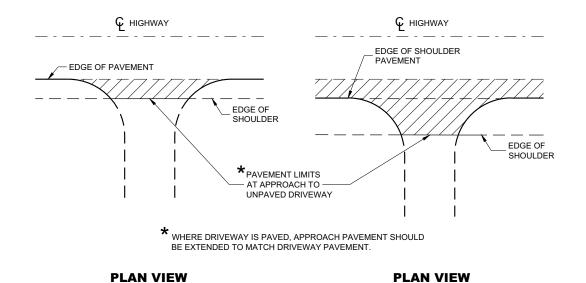
PROJECT TOTALS

PLAN SHEET PRODUCED BY WisDOT - NE REGION



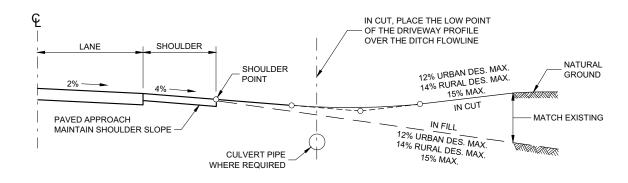
# Standard Detail Drawing List

08D21-01 08D22-01 08E08-03 08E09-06 08E15-01 12A03-10 13C19-03 14B29-01	DRIVEWAYS WITHOUT CURB & GUTTER DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS SILT FENCE CULVERT PIPE CHECK NAME PLATE (STRUCTURES) HMA LONGITUDINAL JOINTS SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B 15C02-09A	FLEXIBLE MARKER POST FOR CULVERT END BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09A 15C02-09B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES  BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02 05B	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
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
15С12-09В	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-07A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-11	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15С35-06В	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-06C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

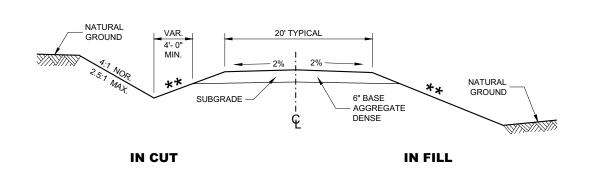


**RURAL DRIVEWAY INTERSECTION DETAIL** (NO CURB AND GUTTER OR SIDEWALK)

(PAVED SHOULDER ON HIGHWAY)



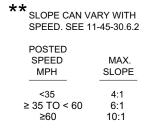
#### **TYPICAL DRIVEWAY PROFILES**

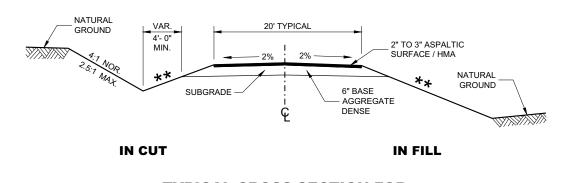


**TYPICAL CROSS SECTION FOR** 

PRIVATE DRIVE OR FIELD ENTRANCE **AGGREGATE SURFACE** 

(UNPAVED SHOULDER ON HIGHWAY)





# **TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE**

# **DRIVEWAYS WITHOUT CURB AND GUTTER**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

Ò

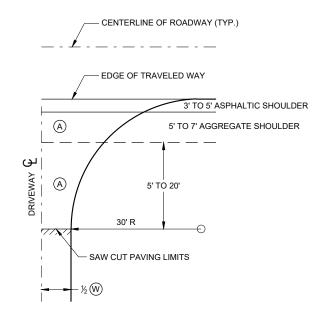
08D21

SD

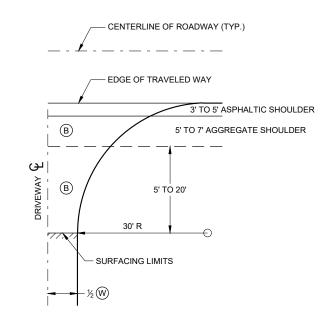
SDD 08D21

6

December 2017 DATE

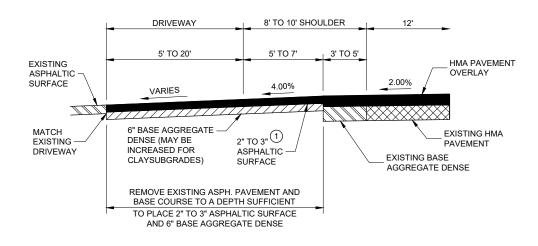


- (A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)
- ig(Big) : PAID FOR AS BASE AGGREGATE DENSE 1  $1\!\!\!/ _4$ " (TON)
- W): DRIVEWAY WIDTH 16' MIN. 24' MAX.

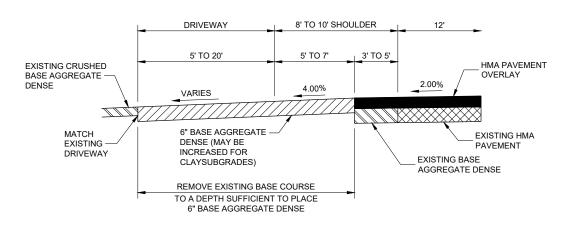


# PLAN VIEW HALF SECTION





PROFILE VIEW
RURAL ENTRANCE
WITH ASPHALTIC SURFACE
RESURFACING PROJECTS



PROFILE VIEW
RURAL ENTRANCE
WITH AGGREGATE SURFACE
6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

# DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

December 2016
DATE

ROADWAY STANDARDS DEVELOPMENT
ENGINEER

SDD 08D22 - 01

6

SDD 08D2

#### **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.

TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



#### **PLAN VIEW**



#### FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

**EROSION BALES FOR SHEET FLOW** 

#### TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

6

Ō Ö

6

 $\infty$ Ω Δ

 $\infty$ 

# TYPICAL APPLICATION OF SILT FENCE

6

b

Ō

Ш





# 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.

- $\bigcirc$  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 11/8" X 11/8" 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 TIE BACK

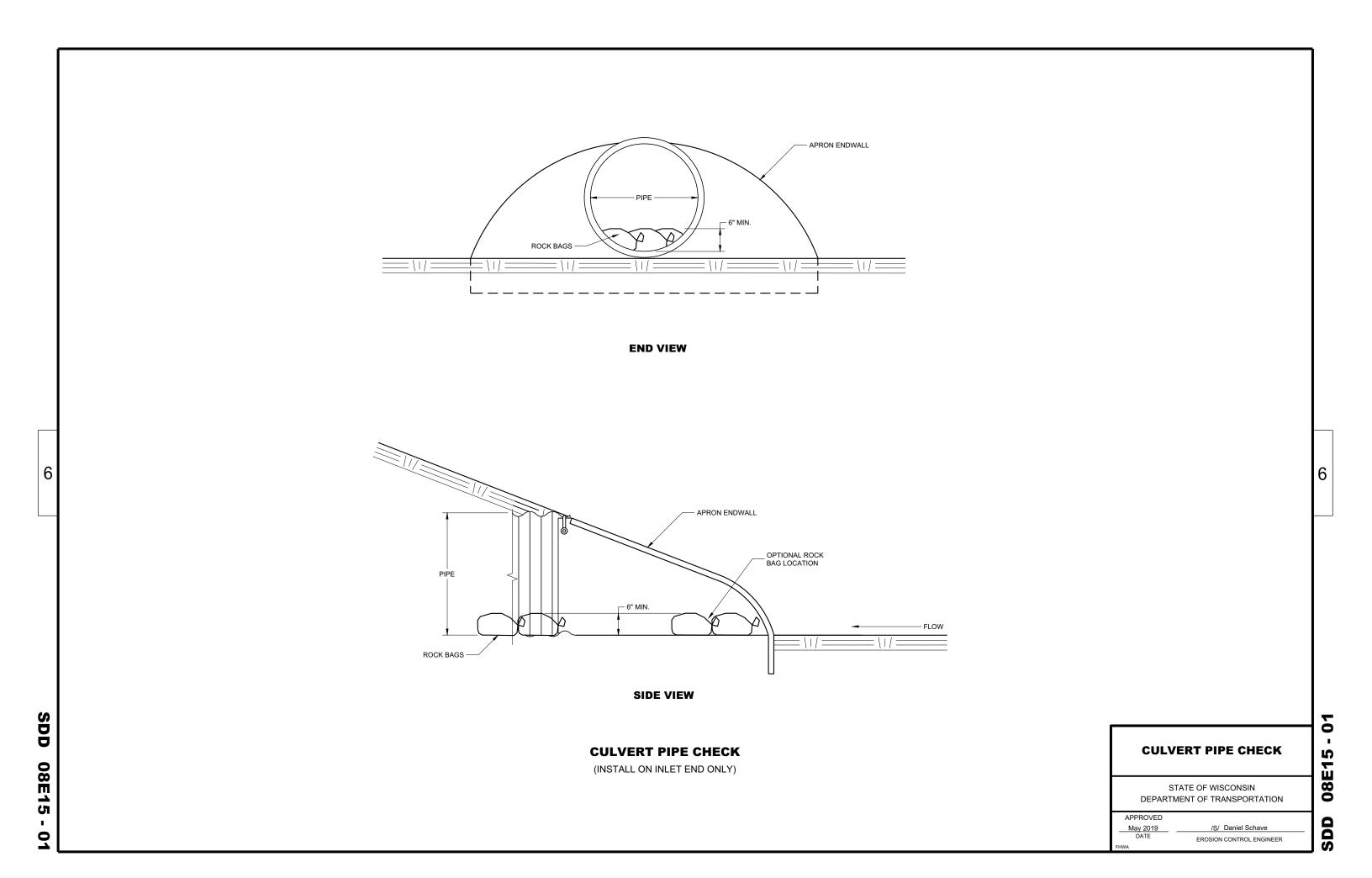
(WHEN REQUIRED BY THE ENGINEER)



6

ထ

D.D. 8 E 9-6







# 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.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

# NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

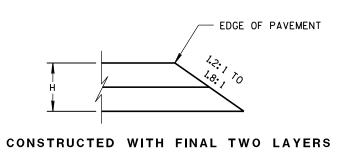
3/26/IO /S/ Scot Becker

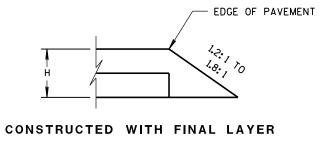
DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

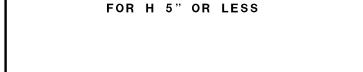
3-10

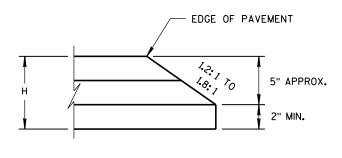






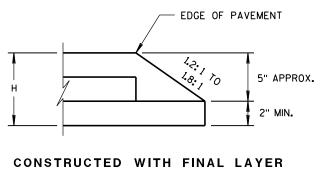
FOR H 5" OR LESS



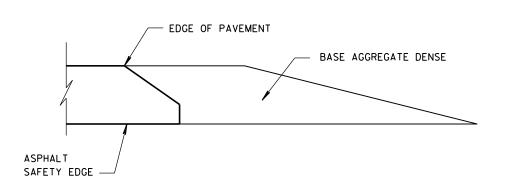


CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"



FOR H GREATER THAN 5"



FINISHED SHOULDER AGGREGATE PLACEMENT

HMA PAVEMENT AND HMA OVERLAYS

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

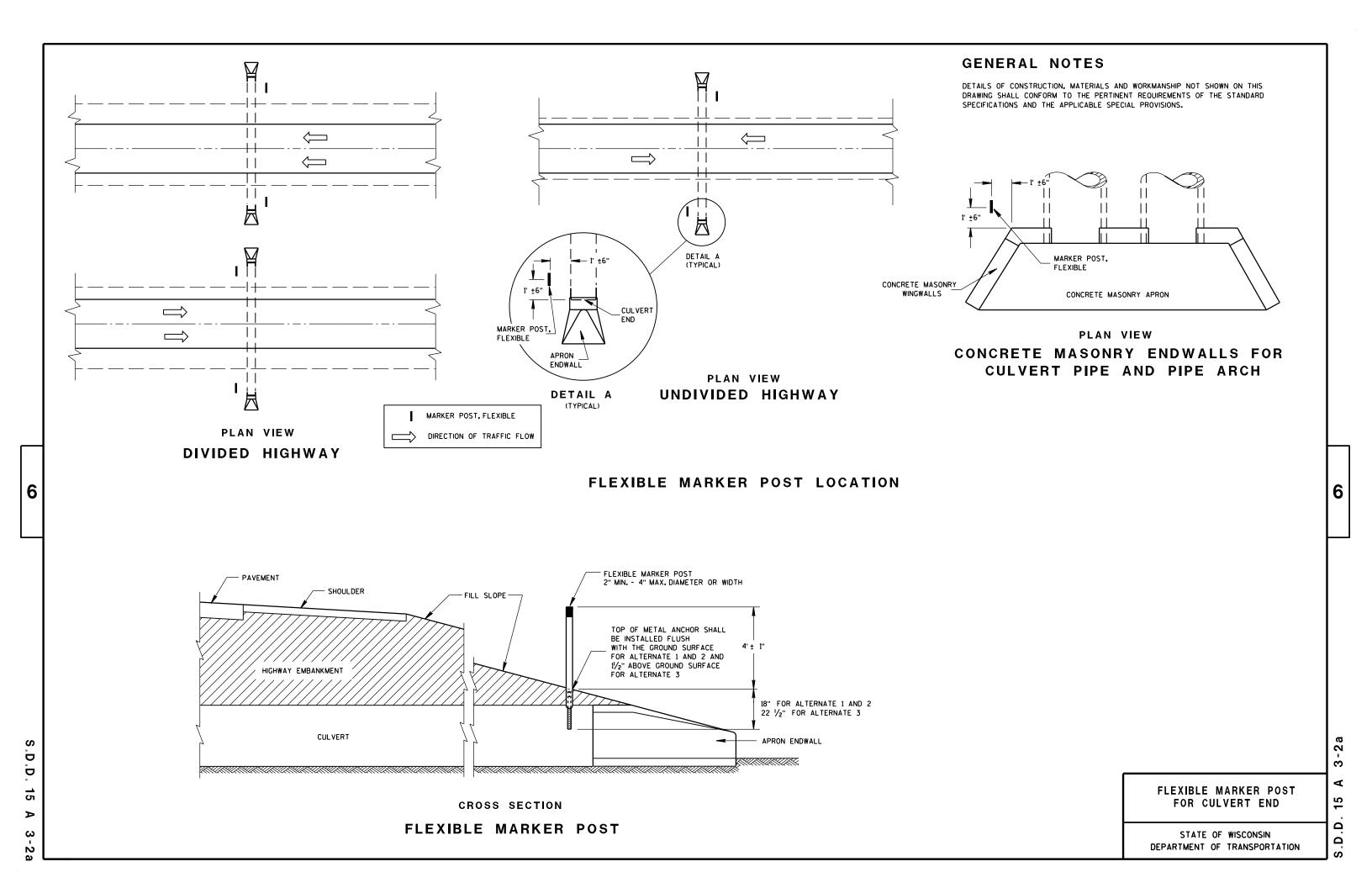
 $\mathbf{\omega}$ 

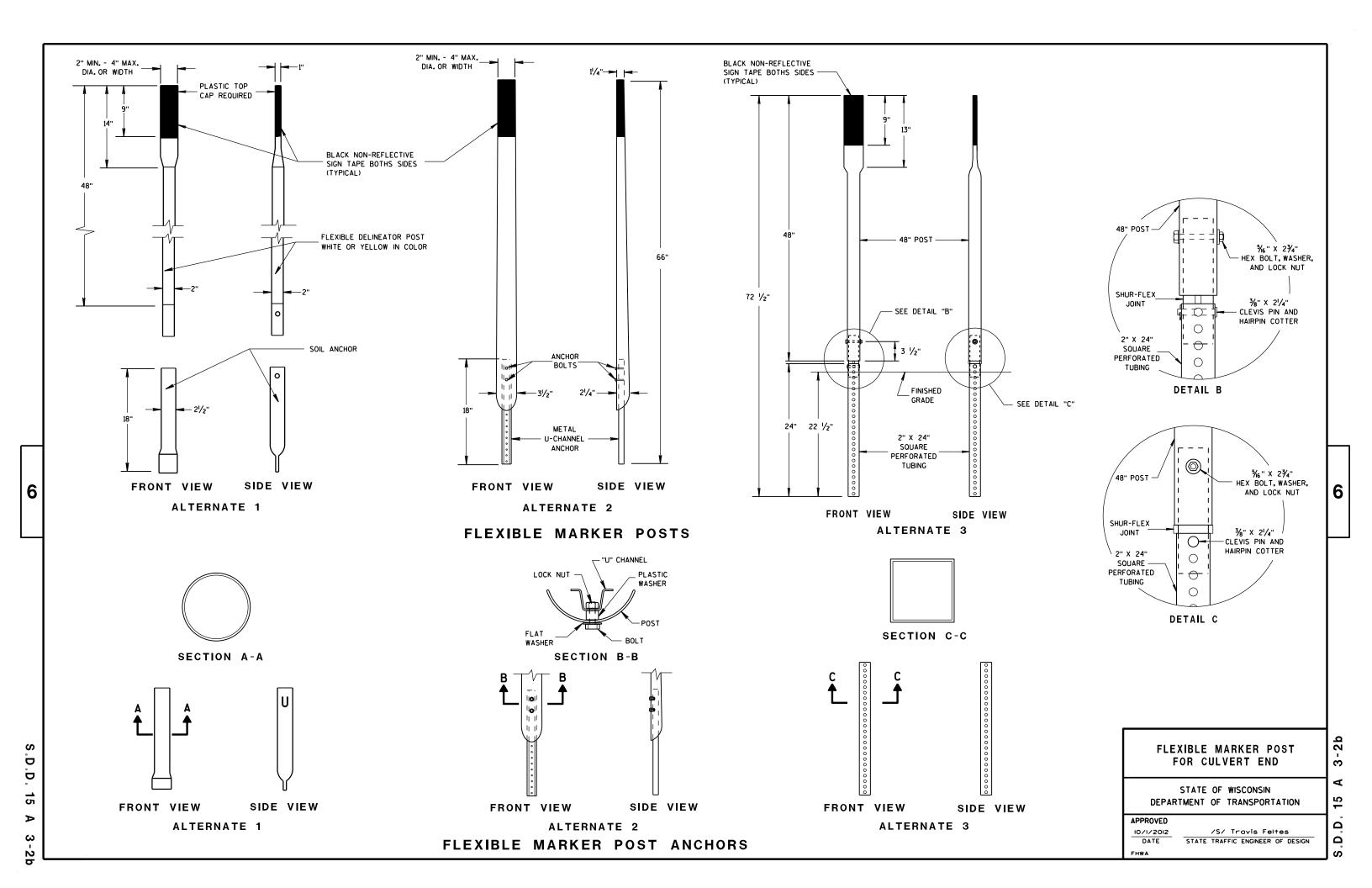
Ω

Ω

APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER









# **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

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"

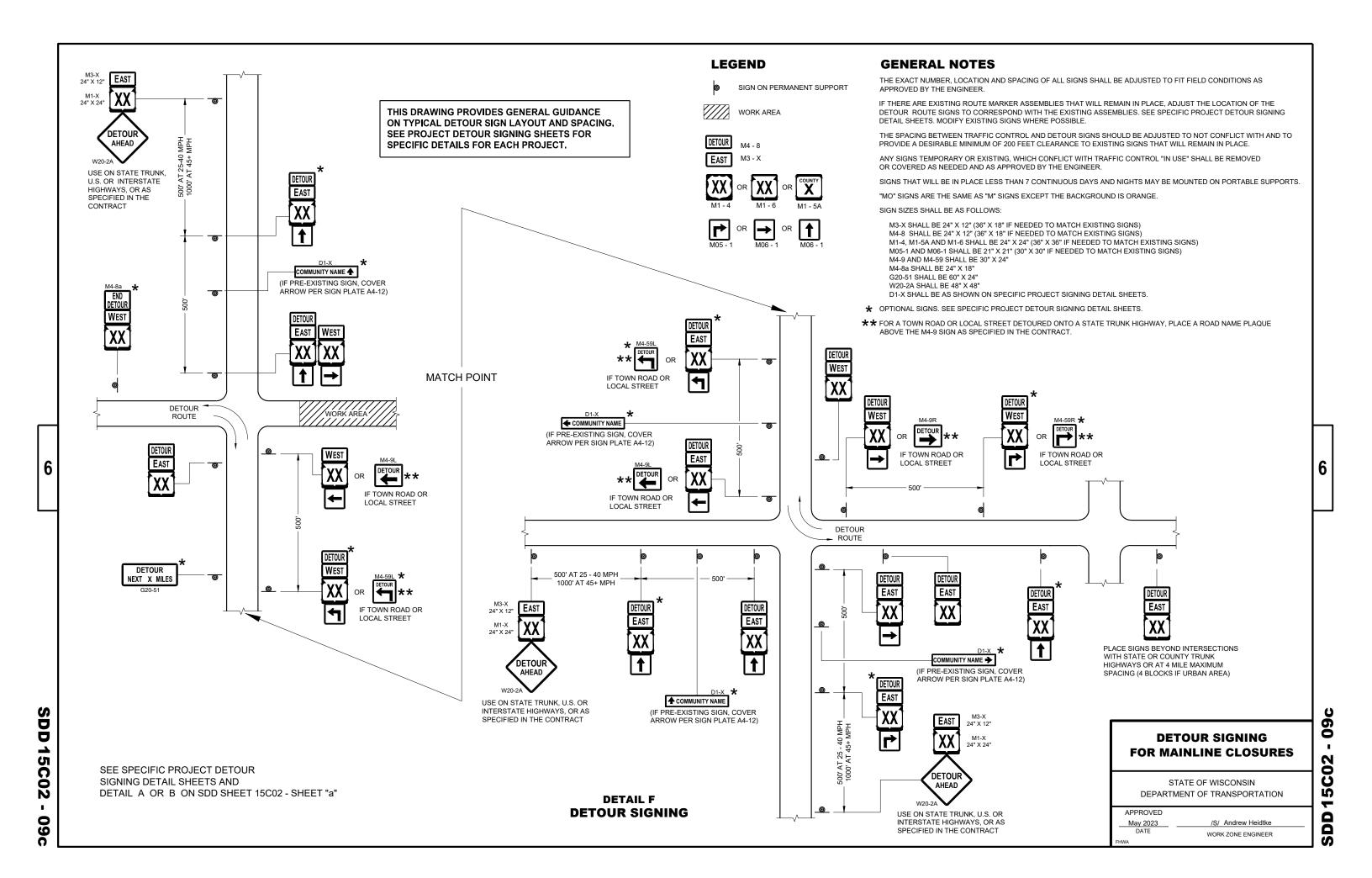
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> 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
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

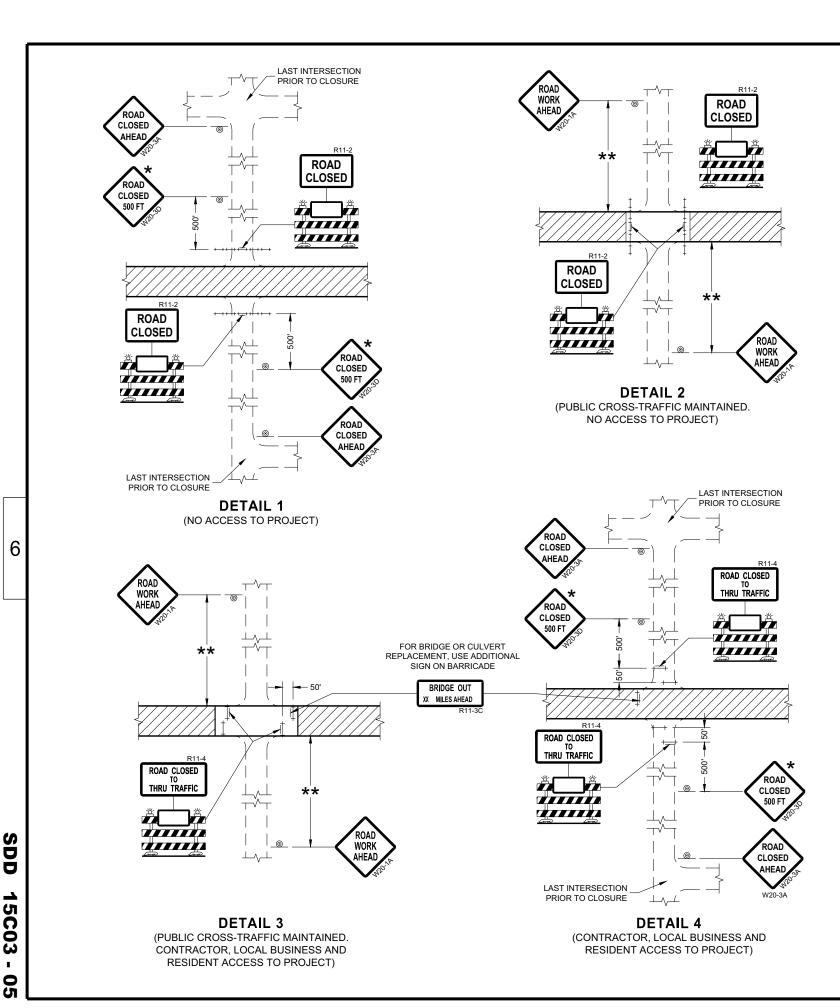
# **BARRICADES AND SIGNS** FOR **VARIOUS CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

**APPROVED** May 2023 DATE WORK ZONE ENGINEER

Ò 0 Ŋ





#### **GENERAL NOTES**

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- \*\* 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

#### LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

# **BARRICADES AND SIGNS** FOR **SIDEROAD CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED July 2018 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER ŭ

S

**GENERAL NOTES** 

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

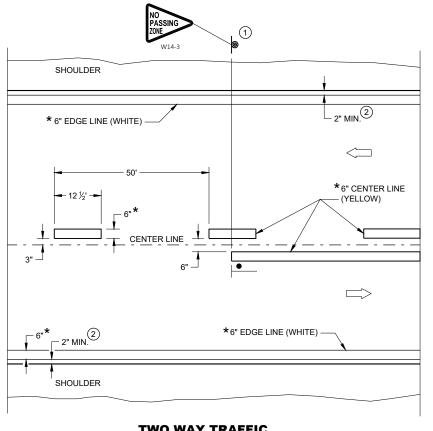
#### **LEGEND**

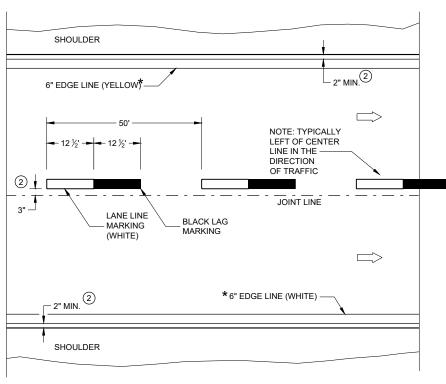
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES





**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 MARKING
ENGINEER

**TWO WAY TRAFFIC** 

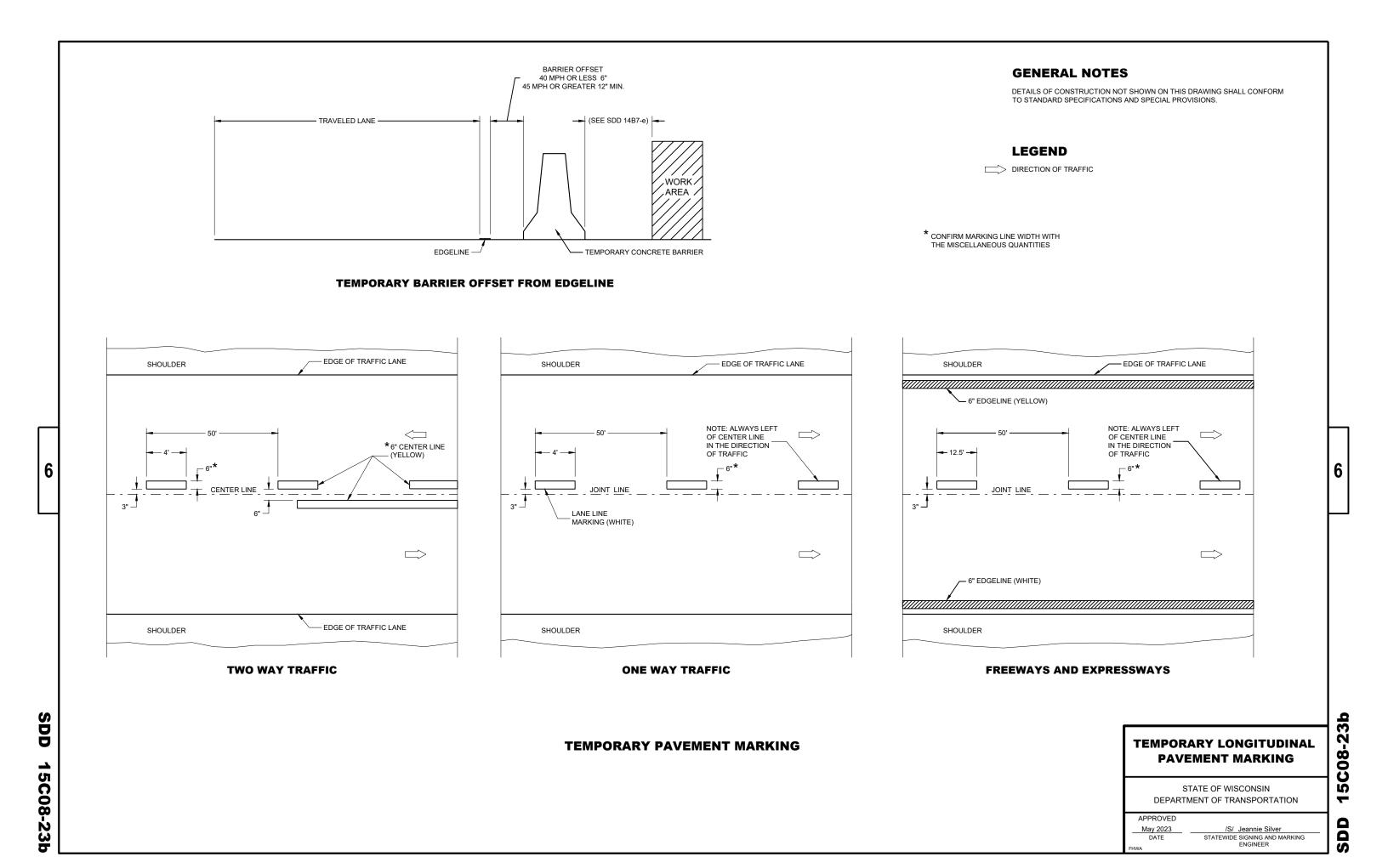
SDD

6

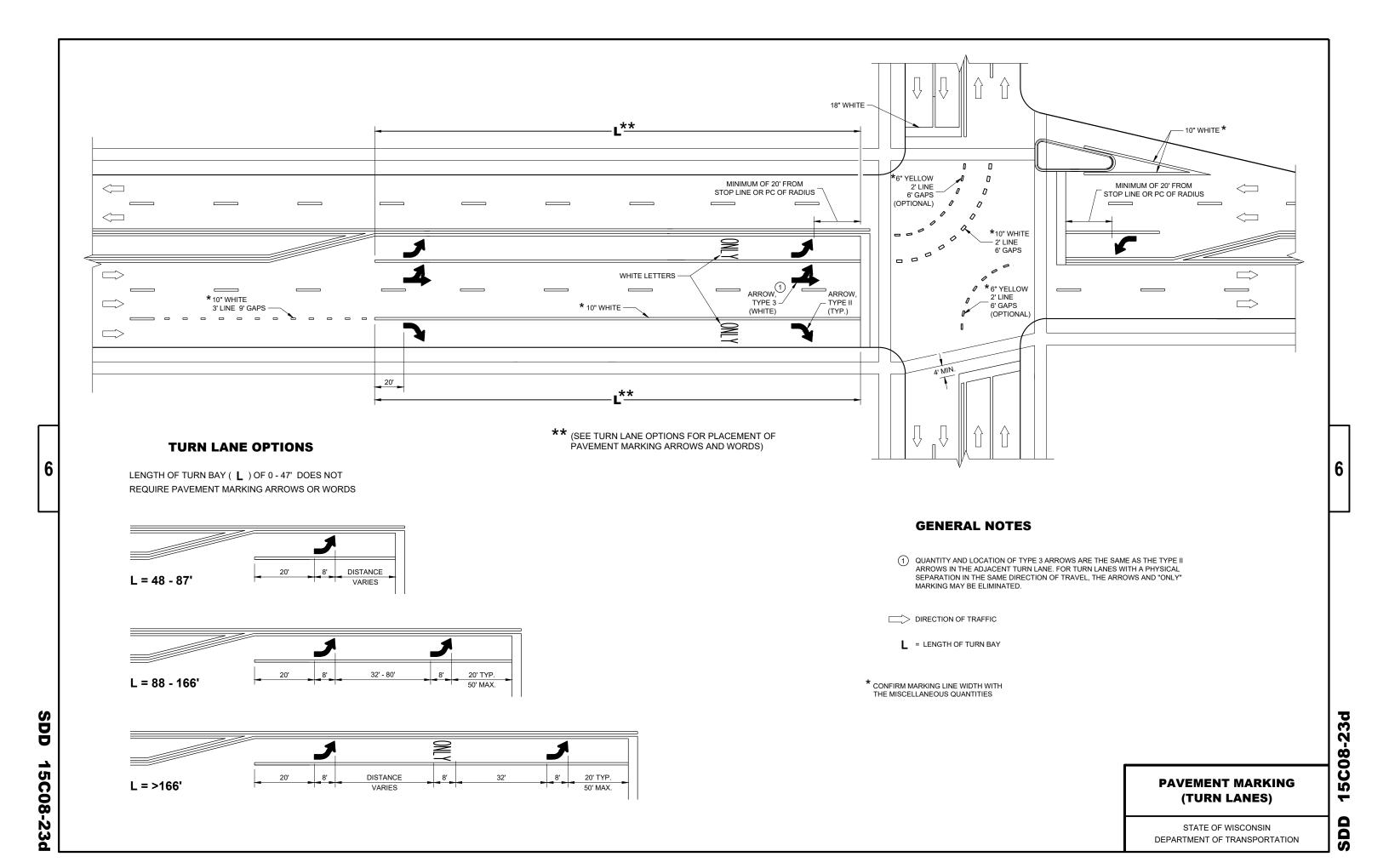
C08-2

5

SD



DEPARTMENT OF TRANSPORTATION



# **SDD 15C11**

#### **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**

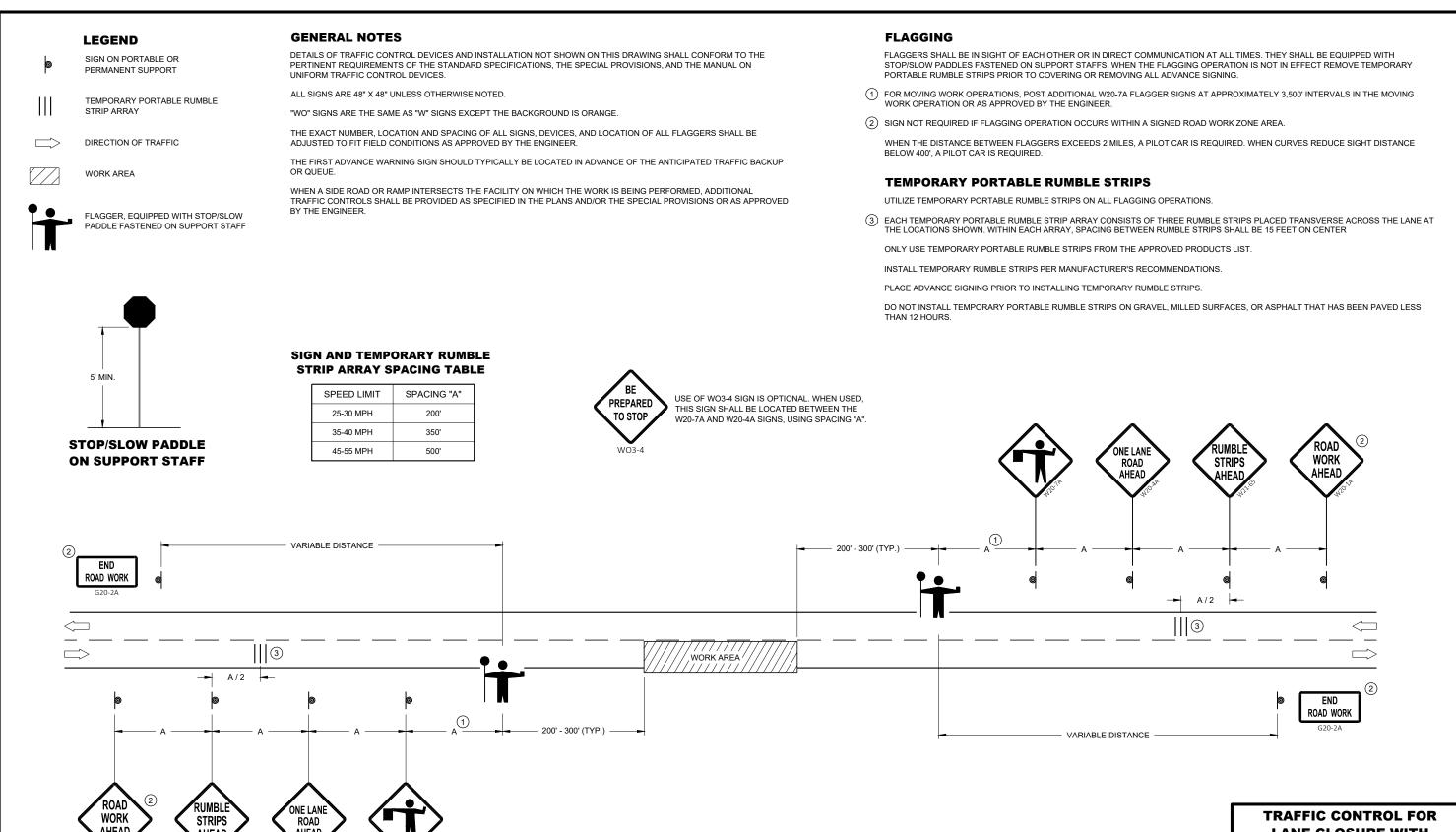
IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

#### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER



LANE CLOSURE WITH **FLAGGING OPERATION**  0

2

Ŋ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2022 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

#### **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.

**SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE

SPACING "A"

200'

350'

500'

SPEED LIMIT

25-30 MPH

35-40 MPH

45-55 MPH

STOP/SLOW PADDLE

**ON SUPPORT STAFF** 

BE PREPARED

ŔUMBLE

STRIPS

ONE LANE

"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

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

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**

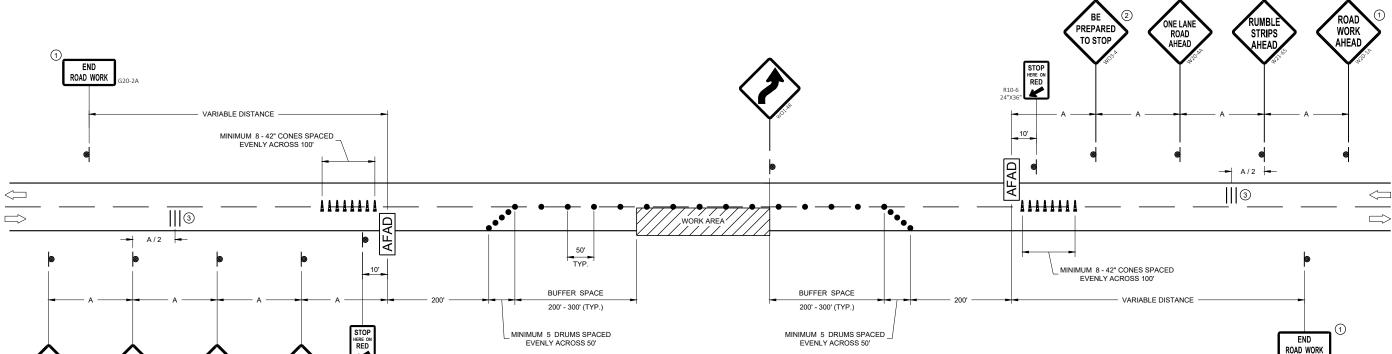
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS

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

(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.



#### **TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED** FLAGGER ASSISTANCE DEVICE

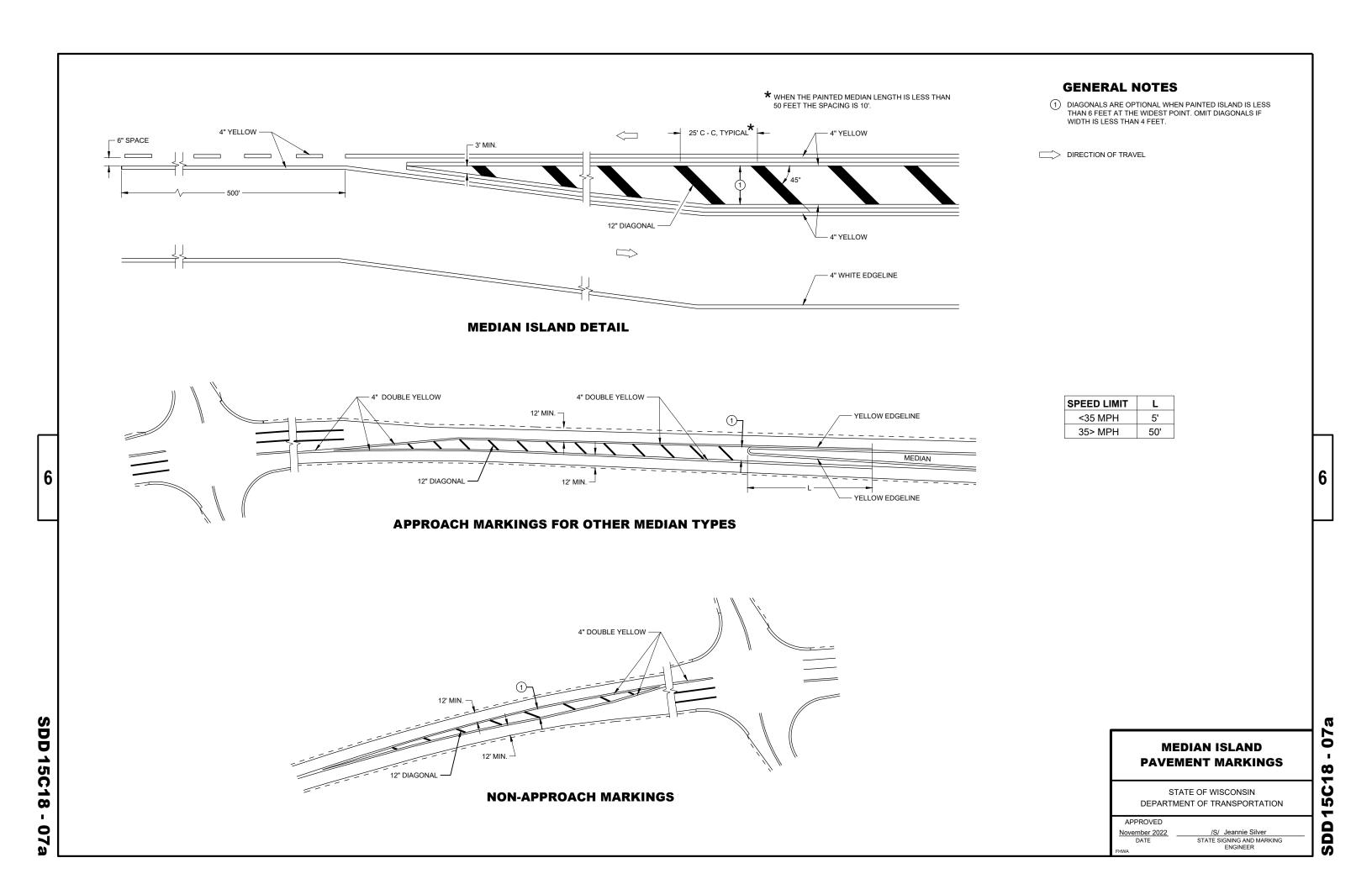
Ŏ

Ŋ

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	/C/ Androw
May 2022	/S/ Andrew l
DATE	WORK ZONE EN

Heidtke WORK ZONE ENGINEER



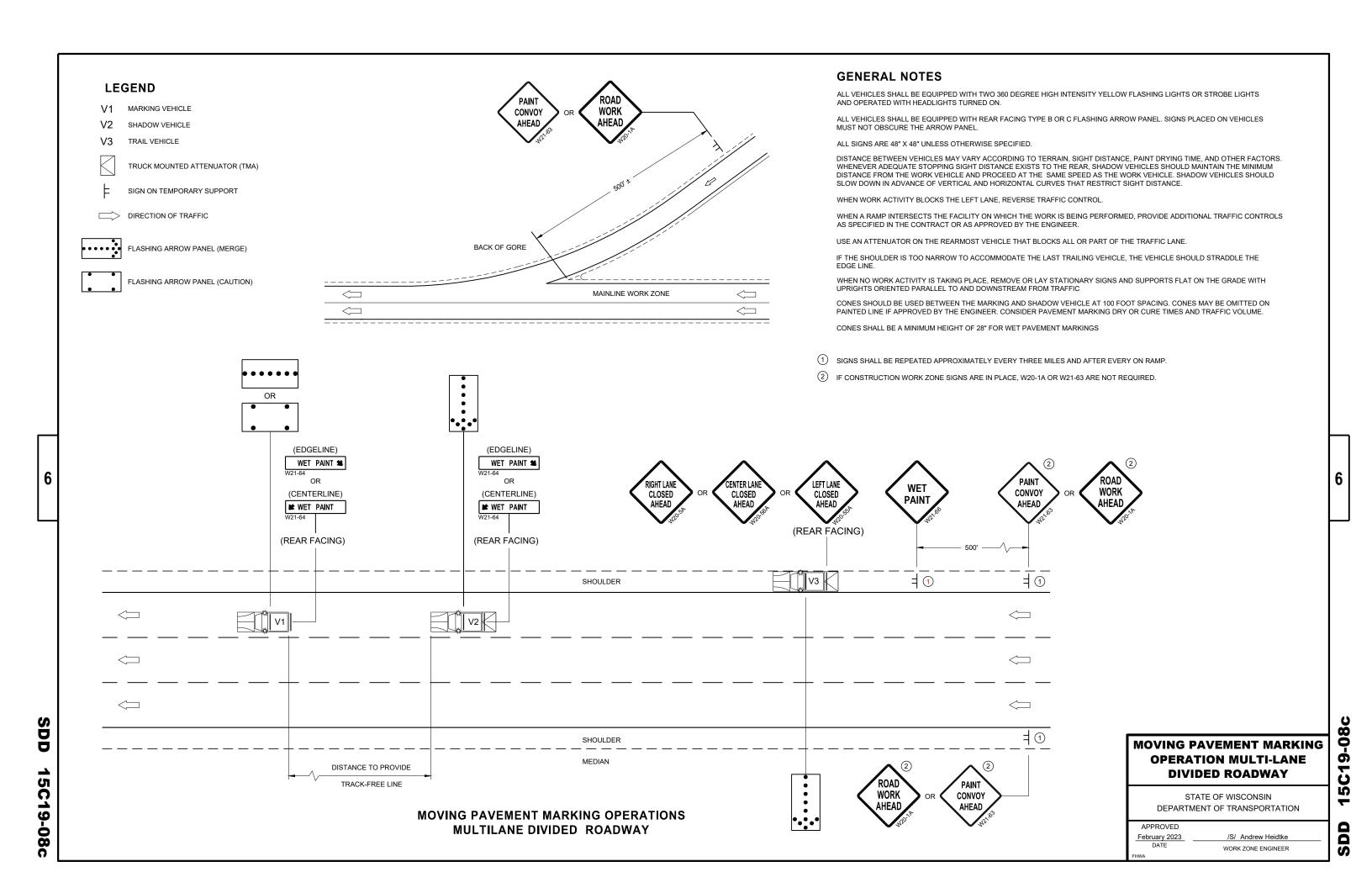
6

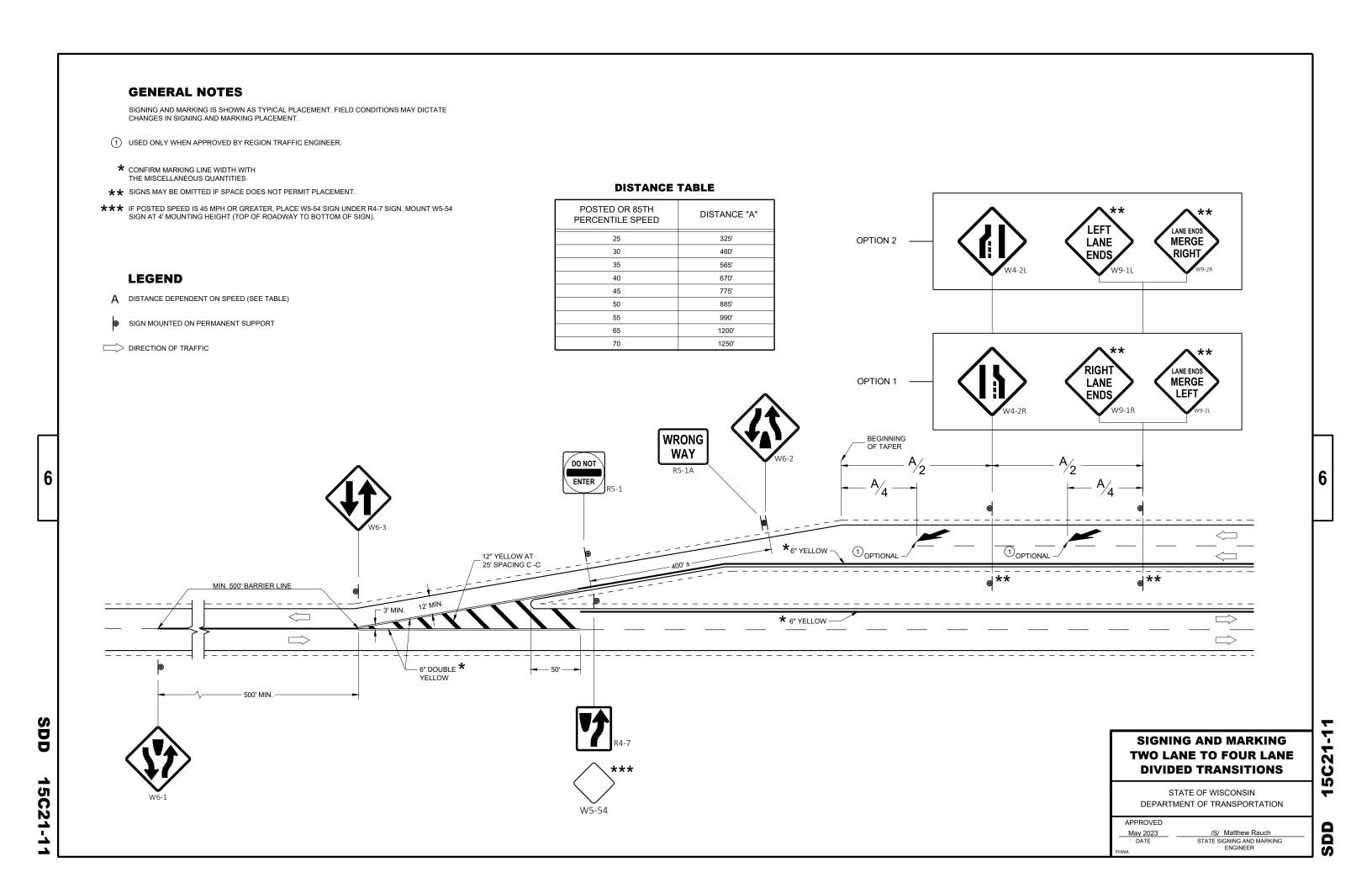
**0-6** 

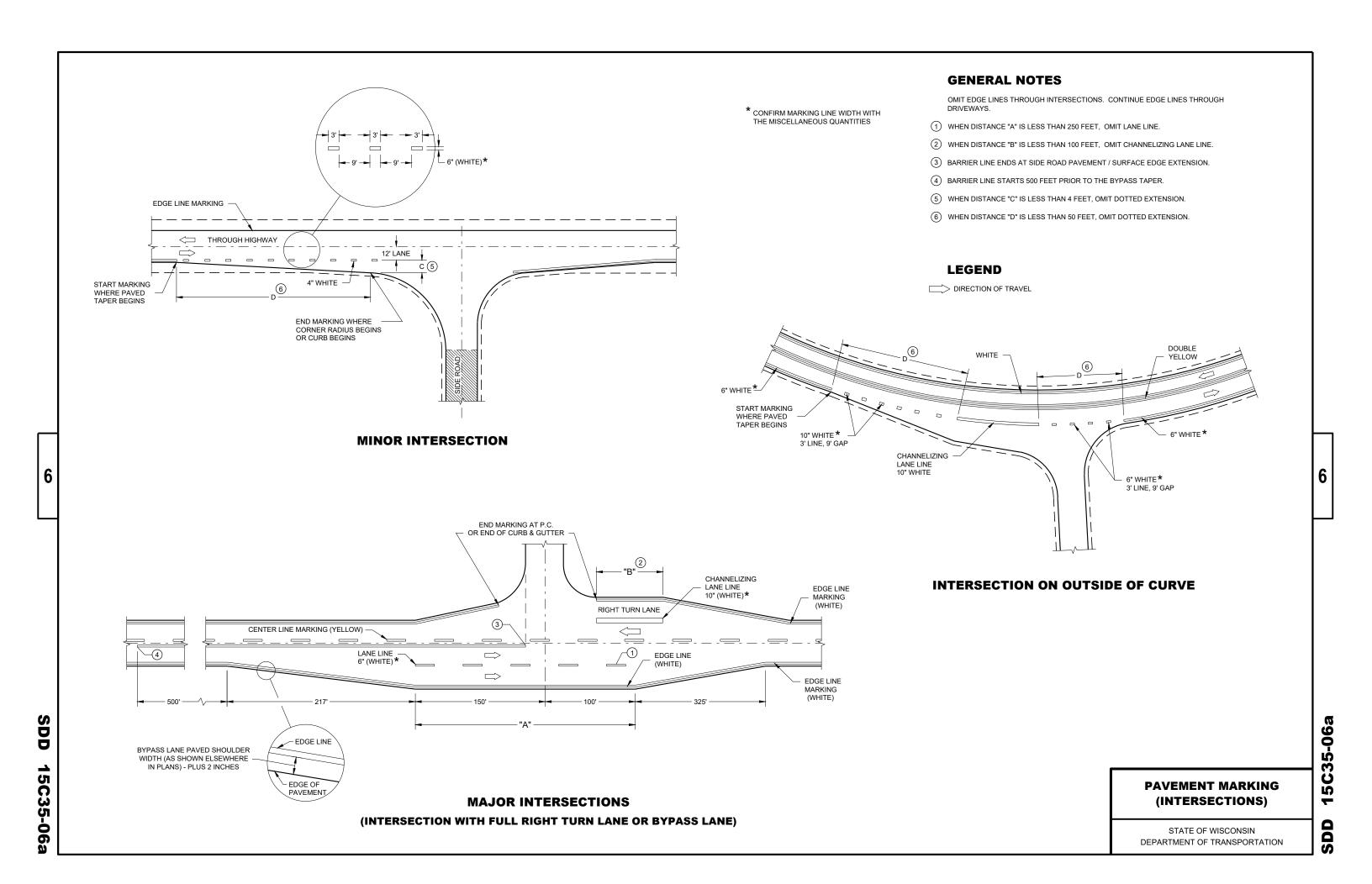
Ŋ

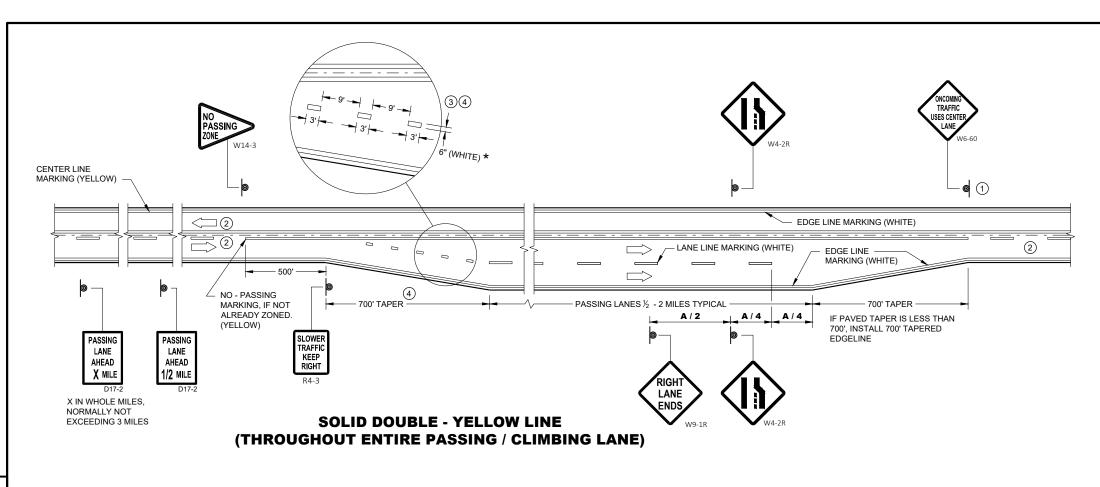
 $\boldsymbol{\mathsf{T}}$ 

S







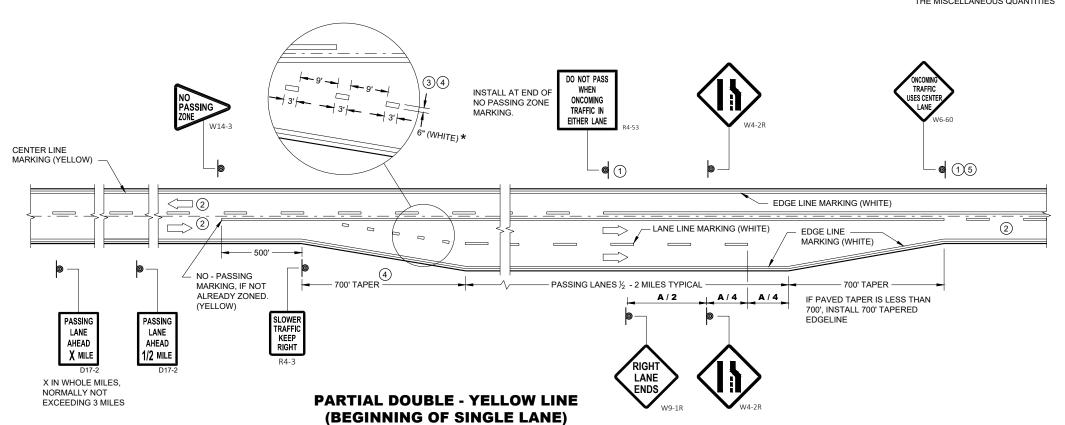


## **GENERAL NOTES**

- $\bigodot$  SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4 WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- (5) REPEAT EVERY 1 MILE UP UNTIL R4-53.

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



6

SDD

15C35-06b

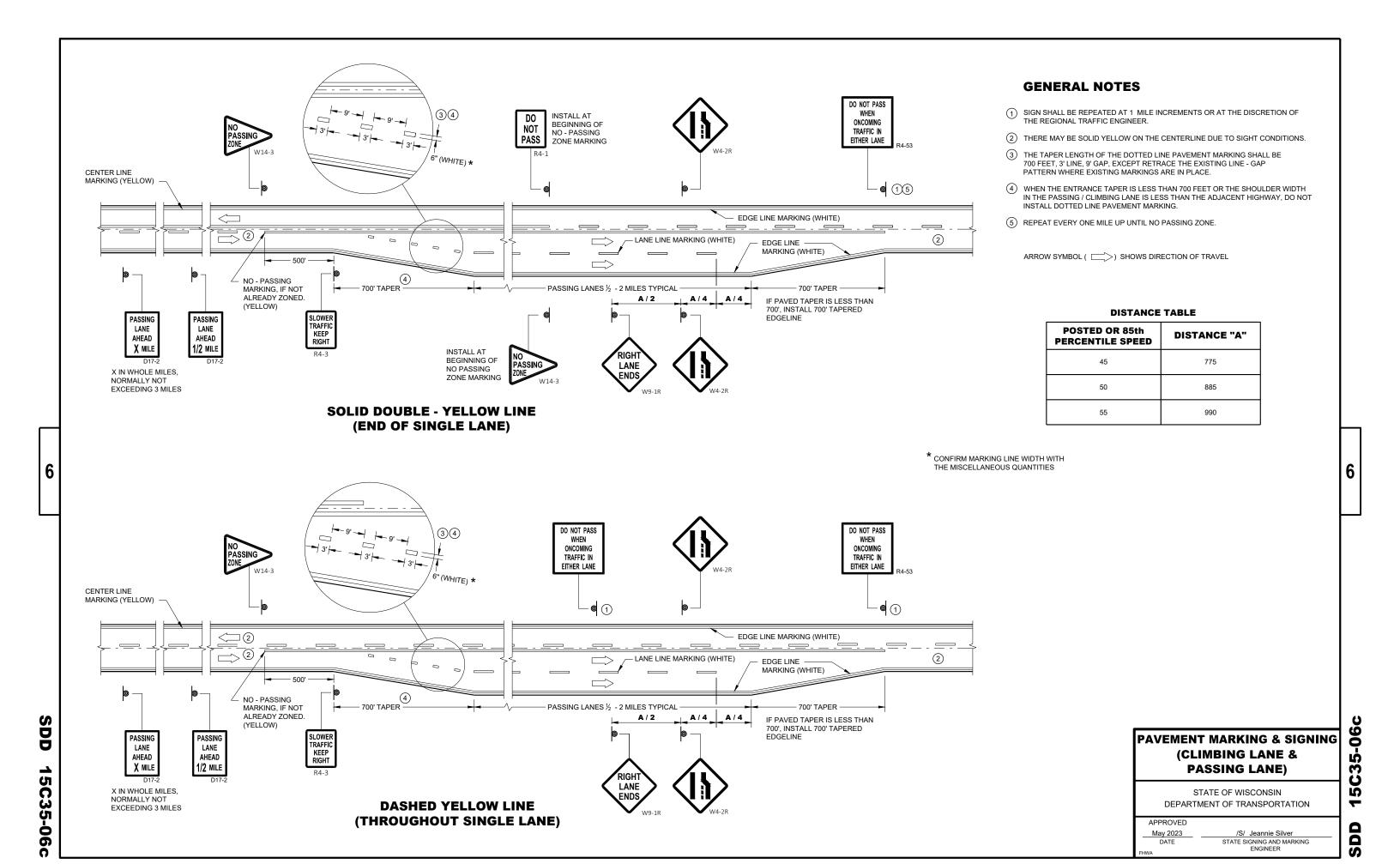
**PAVEMENT MARKING & SIGNING** (CLIMBING LANE & **PASSING LANE)** 

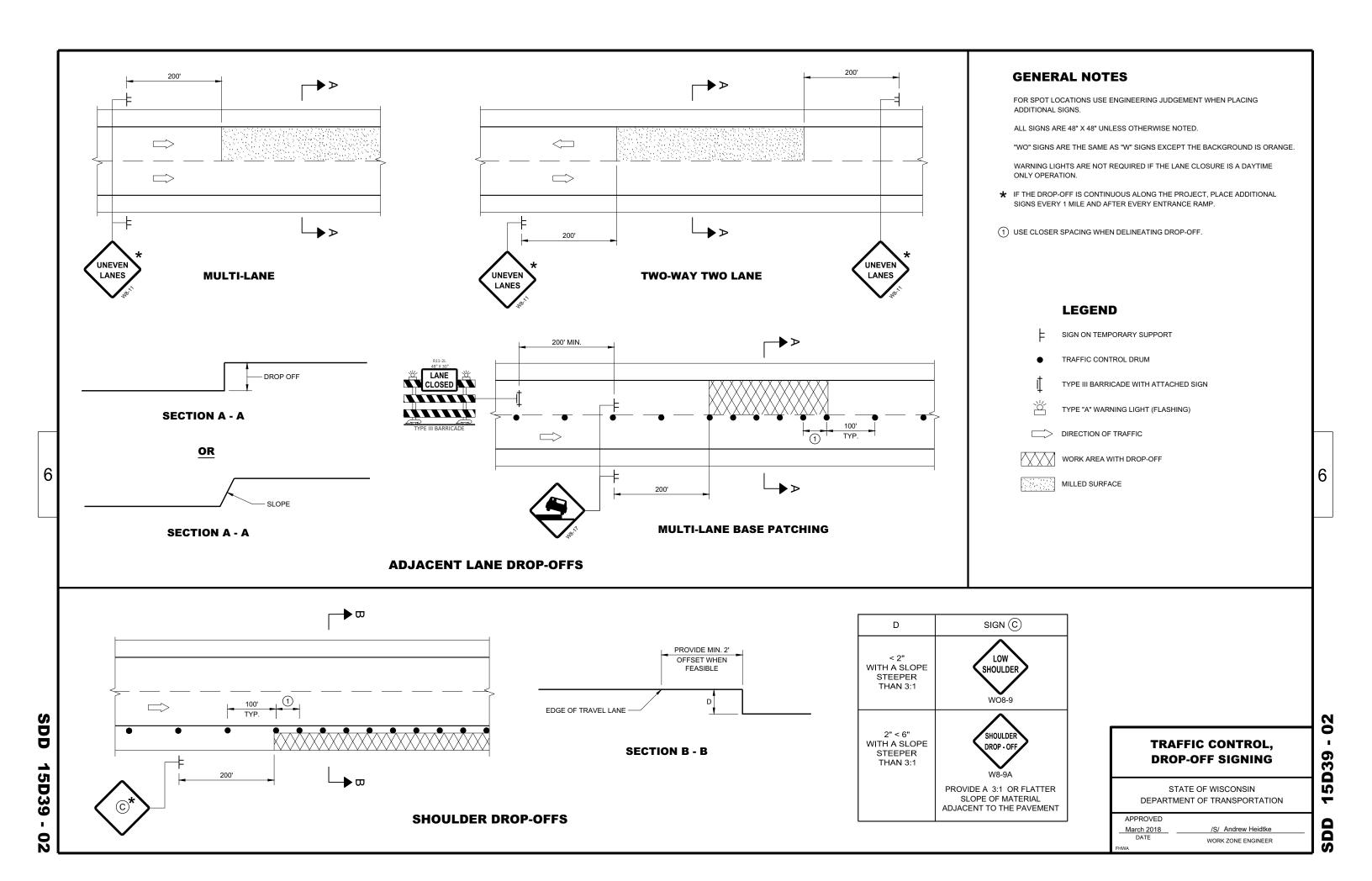
C35-06b

S

SD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





V2

SHADOW VEHICLE TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)						
0 - 25	550'						
30	550'						
35	700'						
40	700'						
45	900'						
50	900'						
55	1200'						

#### **GENERAL NOTES**

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

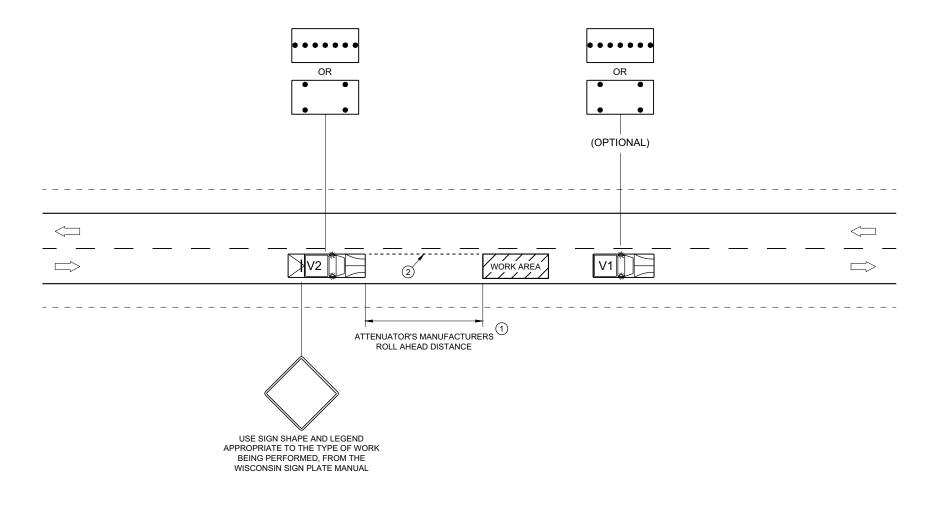
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF

- DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- 2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



#### TRAFFIC CONTROL, **MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021 DATE

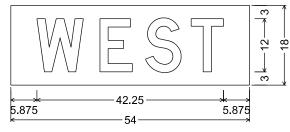
/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

51 S

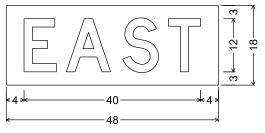
- 1. Fixed Message Signs Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

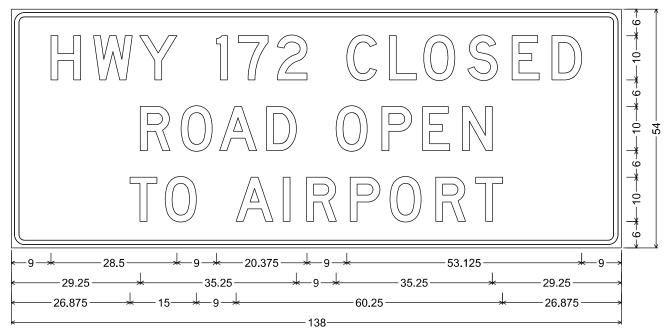
3. Message Series - D



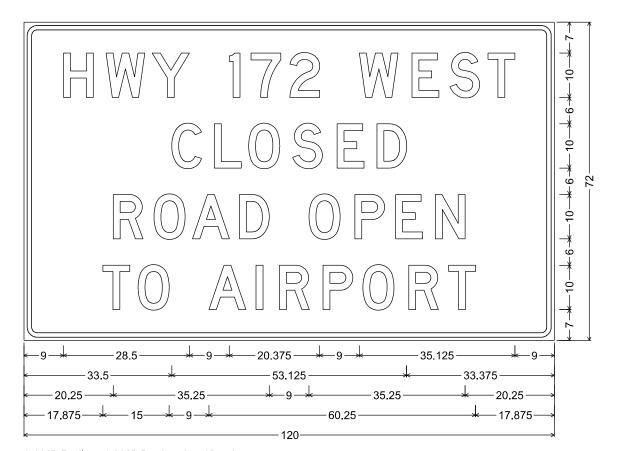
No border, Black on Fluorescent orange; "WEST", D;



No border, Black on Fluorescent orange; "EAST", D;



3.000" Radius, 1.000" Border, 0.750" Indent



3.000" Radius, 1.000" Border, 0.750" Indent

PROJECT NO:1210-18-71 HWY: STH 172 COUNTY: BROWN TEMPORARY SIGNING SHEET NO: **E** 

FILE NAME: C:\CAEfiles\Projects\tr\_d3\_3052a423FMS.dgn

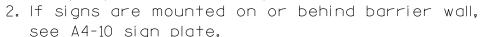
PLOT DATE: 26-APRIL 2023 2:45

PLOT BY: dotc4c

PLOT NAME:

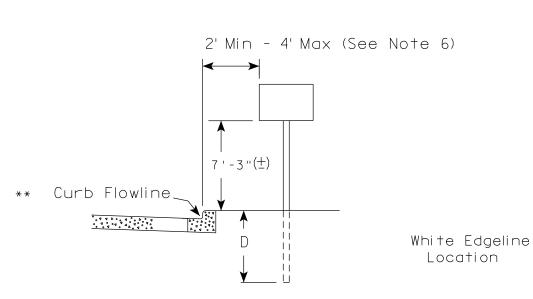
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

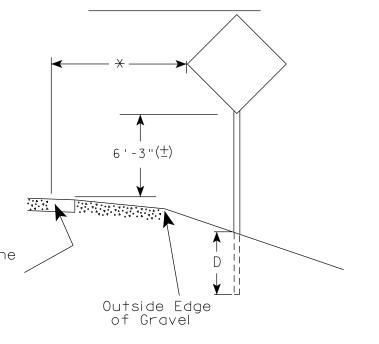
7



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'' ( $\frac{+}{-}$ ).

- 3. For expressways and freeways, mounting height is 7'- 3"  $(\pm)$  or 6'-3'' ( $\pm$ ) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' \stackrel{(\pm)}{-}$ .
- 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'' ( $\pm$ ) or as directd by the Engineer.





2' Min - 4' Max (See Note 6) 6'-3"(±) \*\* Curb Flowline D

5'-3"(士) White Edgeline  $D \parallel$ Location Outside Edge of Gravel

\*\* 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.

HWY:

\* 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	D
( Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 5/13/2020 

SHEET NO:

Ε

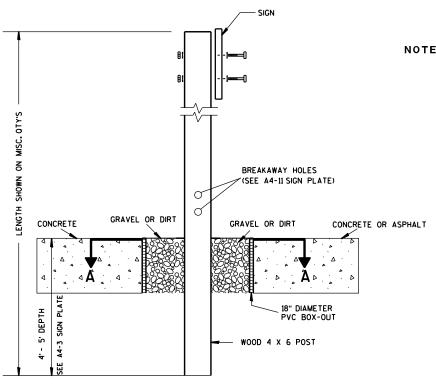
PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.dgn COUNTY:

PLOT BY: mscj9h

PLOT NAME :

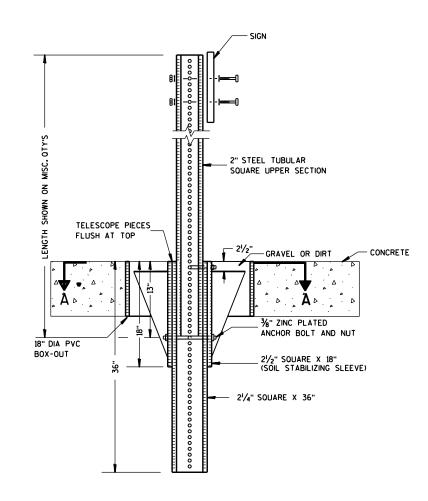
PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE: 13-MAY 2020 1:04



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.



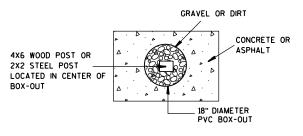
#### **ELEVATION VIEW**

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

#### **ELEVATION VIEW**

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

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT NAME :

PLOT SCALE: 13.659812:1.000000

WISDOT/CADDS SHEET 42

PLOT DATE: 27-JAN-2014 09:48 PLOT BY: mscsja

#### 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'' ( $\pm$ ) 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.
- $\star\star\star$  See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

# E OTHER THAN DIAMOND POSTS REQUIRED) POST EMBEDMENT DEPTH

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

ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

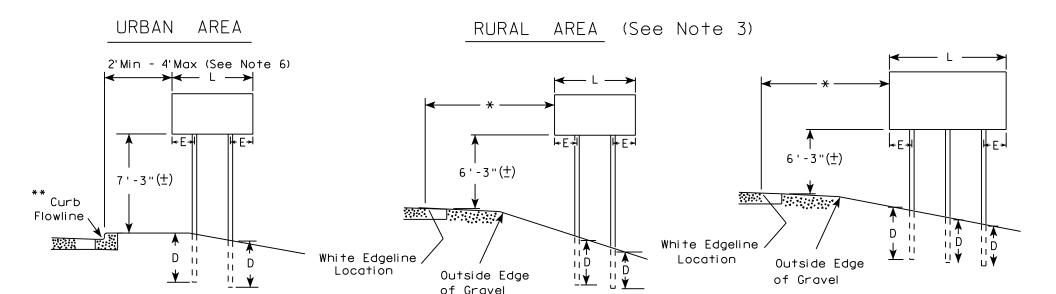
For State Traffic Engineer

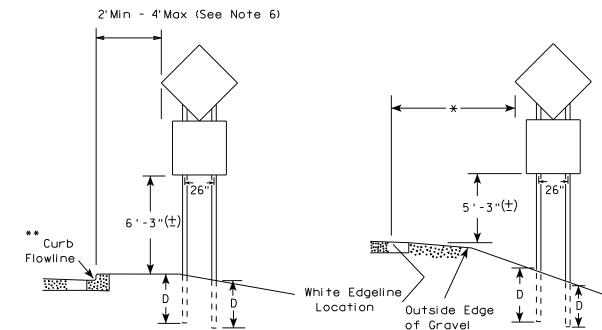
DATE 8/21/17 PLATE NO. A4-4.15

TYPICAL INSTALLATION OF TYPE II SIGNS

PLATE NO. 44-4.15

SHEET NO:





	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED	
	L	E
<del>* * *</del>	Greater than 48" Less than 60"	12"
	60" †o 108"	L/5

HWY:

48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

48" DIAMOND WARNING SIGN

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

PROJECT NO:



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 -  $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS  $(4'' \times 6'')$ 

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 - 1/32 " (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  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ " STEEL 1-1/4" O.D. X  $\frac{3}{8}$ " 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 Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: 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

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



### BANDING



SINGLE SIGN





# WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X<sup>3</sup>/<sub>8</sub>" I.D. X<sup>1</sup>/<sub>16</sub>" STEEL 1-1/4" O.D.  $\times \frac{3}{8}$ " I.D.  $\times$  .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

#### 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  $\frac{3}{4}$ " 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

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

VIEW FROM TOP

#### 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,  $\frac{3}{4}$ " 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  $1^{1}/_{4}$ " O.D. X  $3/_{8}$ " I.D. X  $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X  $\frac{2}{2}$ "

BLOCK BANDING DETAIL ( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

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

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

SIGN

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

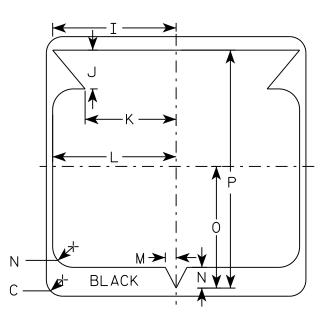
Ε

- 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.

	G F A H H
A A	<b></b>
M1-6	1



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	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 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 ¾	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

*for* State Traffic Engineer

DATE 3/16/18

PLATE NO. <u>M1-6.10</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\M16.DGN

HWY:

PROJECT NO:

PLOT DATE: 16-MAR-2018 14:11

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE : 6.655277:1.000000

WISDOT/CADDS SHEET 42







MP3-1









HWY:



#### 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	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	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 1/8	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

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES** 

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000

- 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 B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

	G
	F B G G G G G G G G G G G G G G G G G G
A M4 - 8	<b>Y</b>

Α С E F G H I J S Х Z D 0 10 10 1/4 1 1/8 3/8 3/8 24 2.0 3 36 1 1/8 3/8 1/2 4 1/2 14 5/8 14 1/2 4.5 4 5

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :

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 B
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

 $D \longrightarrow$ Н M4-8A

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	w	Х	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 ¾																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther For State Traffic Engineer

SHEET NO:

DATE 3/9/11

PLATE NO. M4-8A.2

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\M48A.DGN

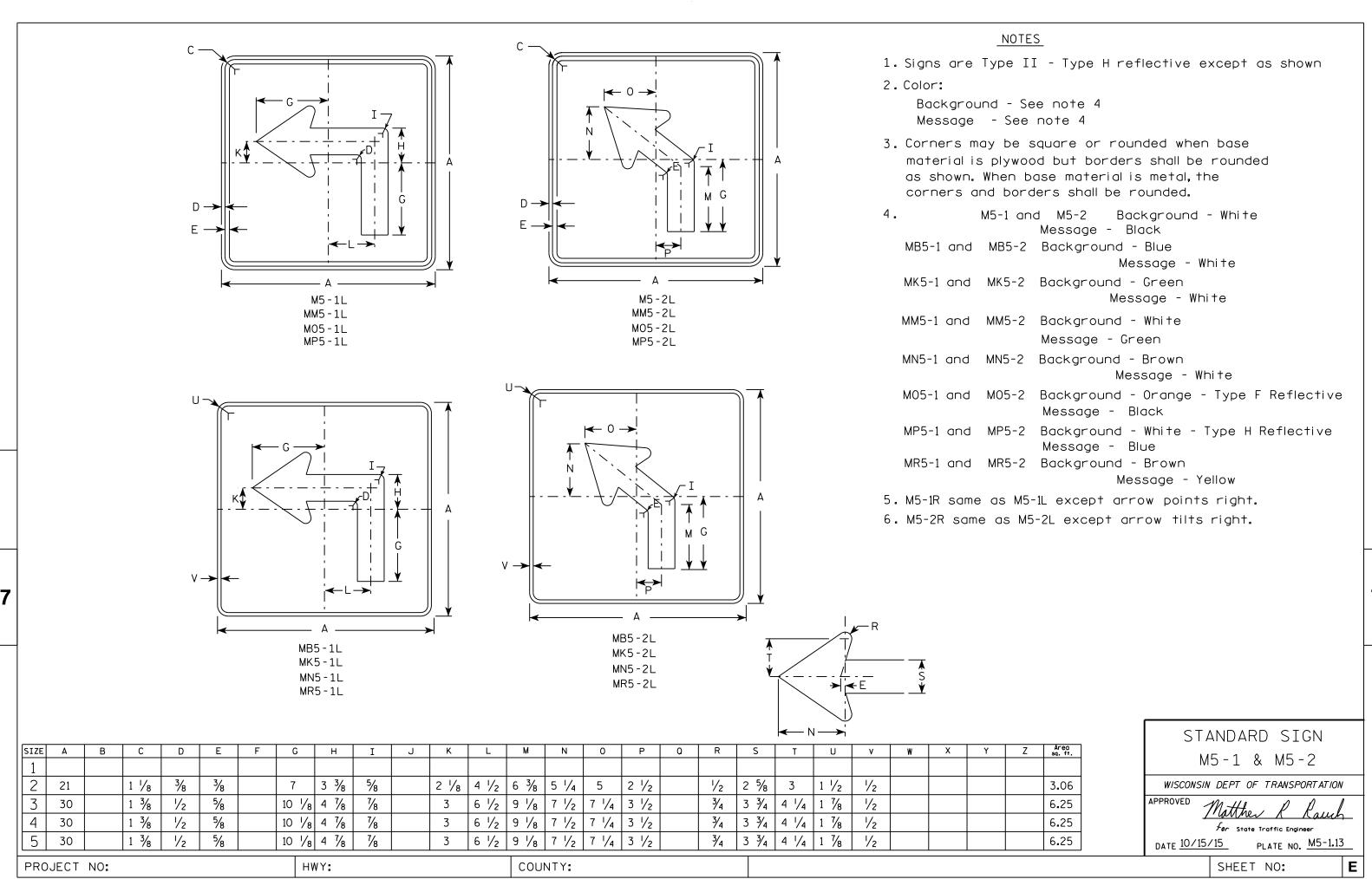
HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 10:29

PLOT BY: mscj9h

PLOT NAME :



FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

PLOT DATE . 01-DEC-2015 18:07

PINT RY . \$\$ DIOTUSET \$\$ PINT NAMF :

PLOT SCALE . 11 675051.1 000000







MR6-1

HWY:



#### 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

M06-1 and M06-2 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



SIZE	: Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	٥	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3%		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 %	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5%		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 1/8	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 1/8	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 1/8	1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

DATE 10/15/15 PLATE NO. M6-1.15

SHEET NO:

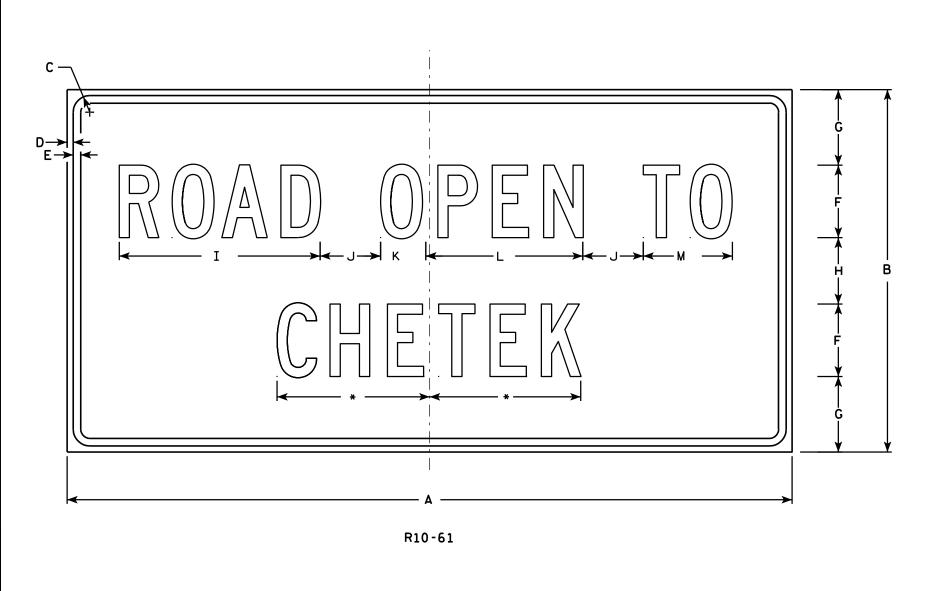
FILE NAME · C·\CAFfiles\Projects\tr stdplote\M61 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

PIOT RY . \$\$ plotuser \$\$ PIOT NAMF :

PLOT SCALE . 11 675051.1 000000



- 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. Substitute appropriate message and optically balance.

\*See note 5

PRC	JECT	NO:				•	Н	WY:	•				coul	NTY:									•			•	
5																											
4																											
3																											
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 ½	16 %	5	3 3/4	13	7 3/8														12.5
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 ½	16 %	5	3 3/4	13	7 3/8														12.5
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 ¾	2	2 1/8	8 3/8	4 %														6.0
SIZE	A	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Are sq.

STANDARD SIGN R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Raud

For State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R1061.DGN

PLOT DATE: 04-APR-2011 15:00

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 7.945391:1.000000

WISDOT/CADDS SHEET 42

- 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.

C	<u> </u>
	$ \begin{array}{c c} G \\ \hline F \\ \hline H \\ B \\ \hline G \\ \hline \end{array} $
<b>▲</b>	<b>→</b>
R11-2B	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Areo sq. ft.
1																											
25	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

DATE 4/1/11 PLATE NO. R11-2B-2

SHEET NO:

PROJECT NO:

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.

 $D \rightarrow$ F->

R11-3

\*\* See Note 5

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Ρ	Q	R	S	Т	U	V	W	Χ	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
25	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 1/8	5	1 3/8	23 1/4	3	6 1/4	13 %	1 1/8		1 1/8	22 1/8	14	1 1/2	17 1/2	11 1/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 1/8	5	1 3/8	23 1/4	3	6 1/4	13 %	1 1/8		1 1/8	22 1/8	14	1 1/2	17 1/2	11 1/8				12.5
3																											
4																											
5																											
PRO	JECT	NO:	1			1		HWY:			1		С	OUNTY				1				-					<u>-</u>

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Kauch

SHEET NO:

DATE 6/14/2021 PLATE NO. R11-3.9

Ε

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\R113.DGN

PLOT DATE: 14-JUNE 2021 10:04

PLOT BY : dotc4c

PLOT NAME :

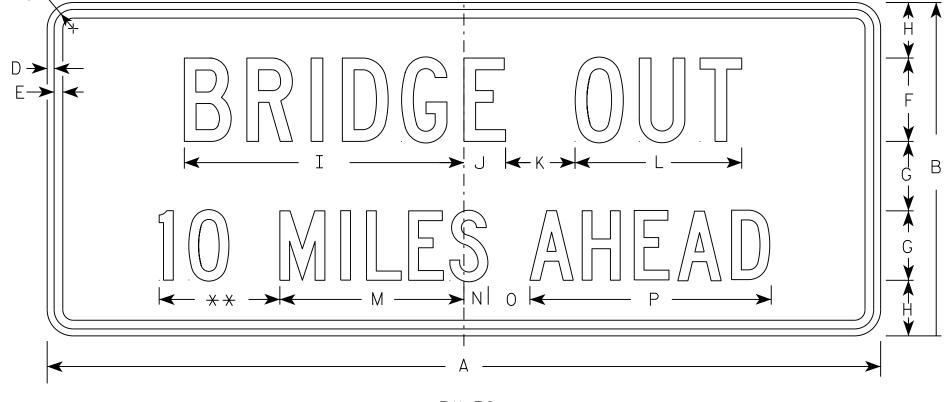
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3C

\*\* See Note 5

1/4 MILE AHE/
\*\* \* \* \* O \* R - P -

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8 1 ½	2	10 3/4		7 1/8									3.75
25	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 1/8									10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4 1 3/4	3	17 3/8		11 1/8									10.0
3																										
4																										
5																										

STANDARD SIGN R11-3C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

DATE 7/28/16

28/16 PLATE NO. R11-3C.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\R113C.DGN

PROJECT NO:

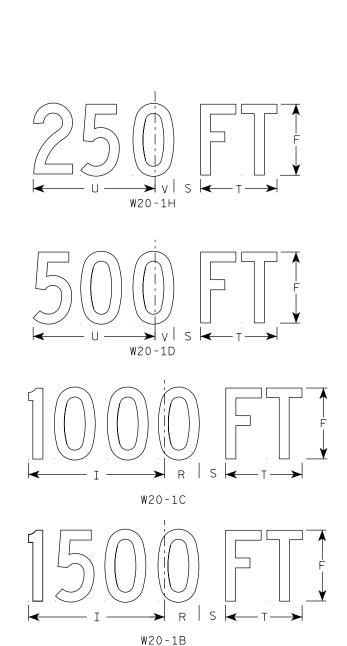
PLOT DATE: 15-MAR-2017 15:33

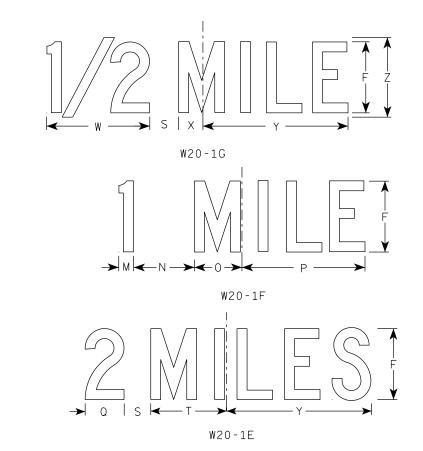
PLOT BY: \$\$...plotuser...\$\$

- 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	. Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	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 1/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	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	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	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 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	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	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	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 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	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 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN W2O-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

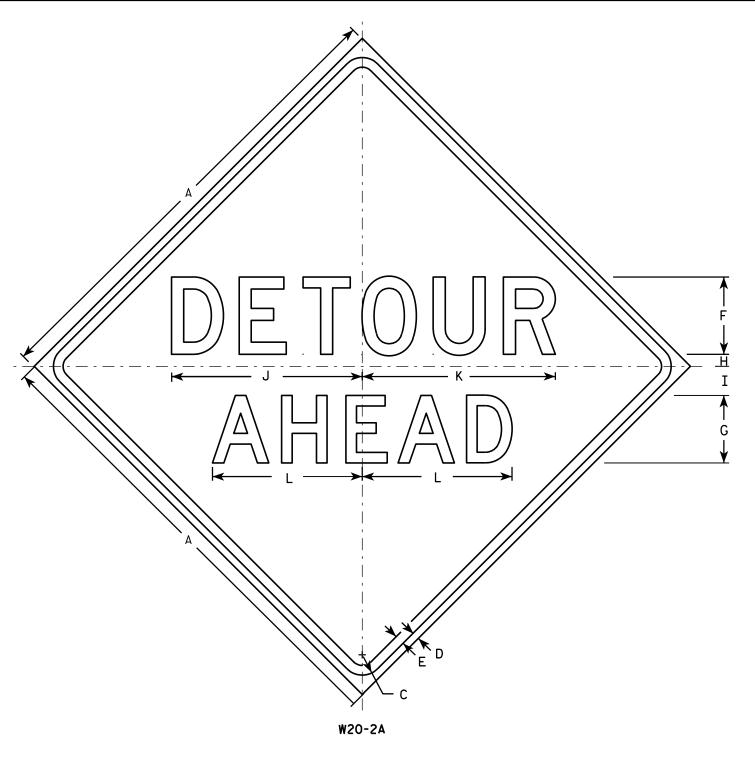
APPROVED Matthew R Rauch

For State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

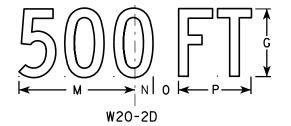
SHEET NO:

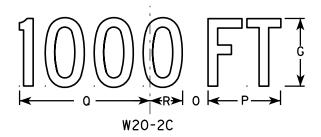
PROJECT NO:

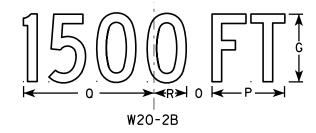
W20-1A

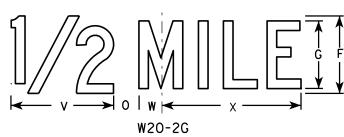


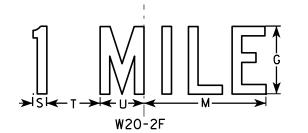
HWY:











PLOT BY: mscj9h

# <u>NOTES</u>

- 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. Line 1 is Series D.
  Line 2 is Series D for AHEAD and
  Series C for all other distances.

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	10 %	2 3/8	14 3/8			16.0
3	48		2 1/4	3∕4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 ¾	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
4	48		2 1/4	¾	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 %	7 1/2	13 1/2	3 <sup>3</sup> %	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 %	2 %	7 1/2	13 1/2	3 ¾	1 1/2	6	4 %	10 %	2 3/8	14 3/8			16.0

COUNTY:

STANDARD SIGN W20-2A,B,C,D,F & G

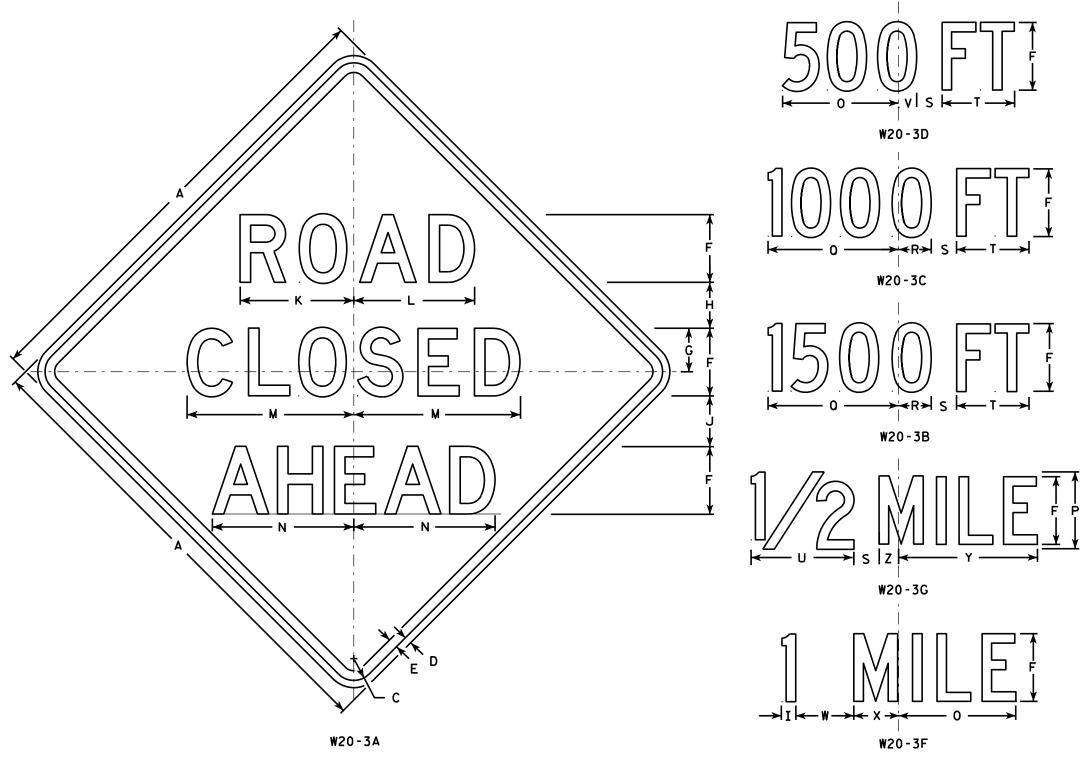
WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

SHEET NO:

PROJECT NO:



## **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	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	w	х	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4	5	3 3/8	3 ½	1 1/8	4	8 3%	8 %	12 1/2	11	9	6	10 1/8	2 1/2	1 %	5 %	8	1 3/8	4 1/2	3 1/2	10 ¾	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 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	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 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	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 %	12	8	13 1/2	3 %	2 5/8	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
ت			- /-	/ -	-		1 / 2	- / -	- /2	- /-	/ -	/2	7,4	- 70			10 /2	- 70	- 78	. , 2	78	- 78		- 70	- 70	- 78	

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11

For State Traffic Engineer
PLATE NO. W20-3.7

SHEET NO:

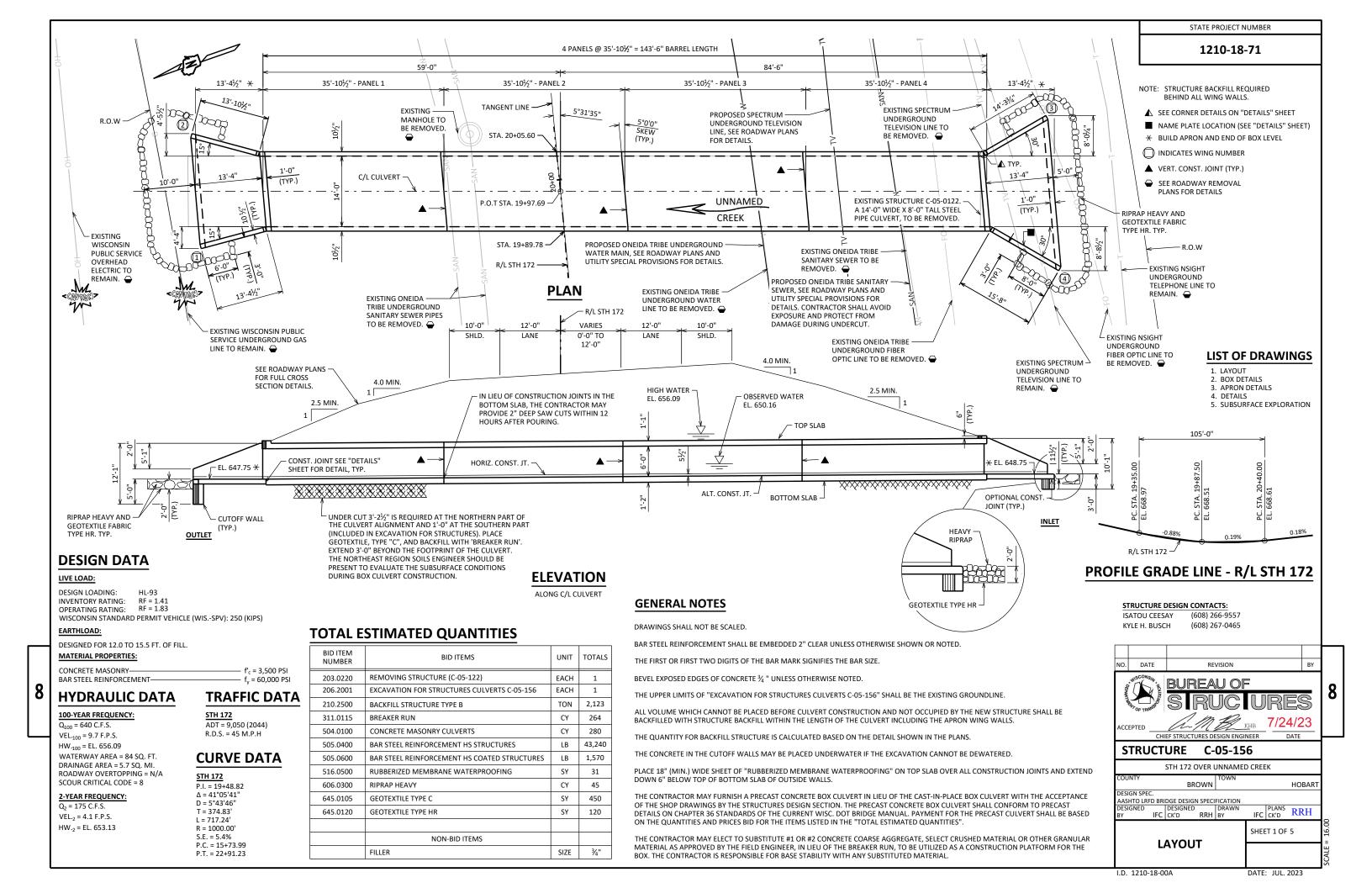
HWY:

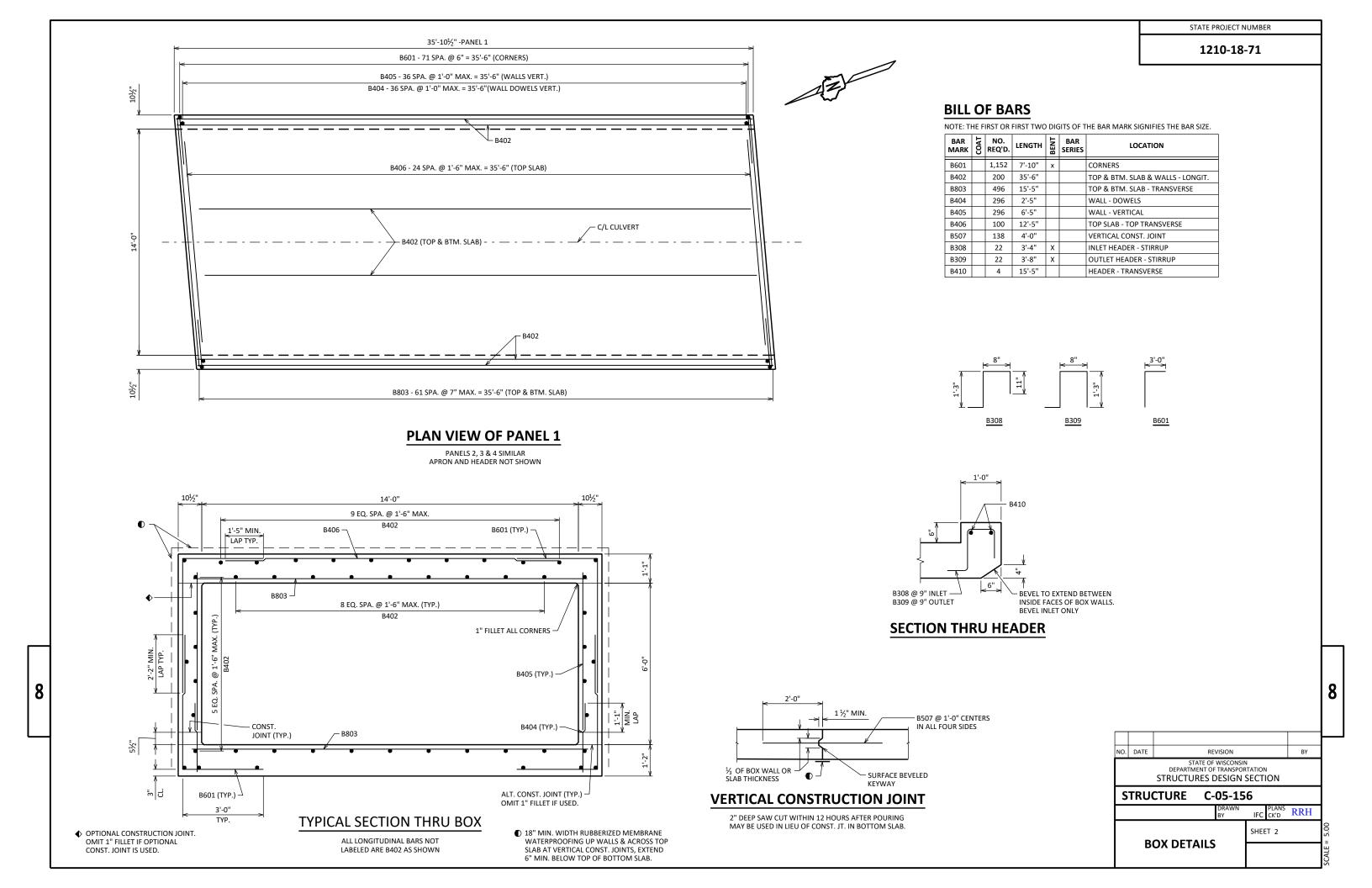
COUNTY:

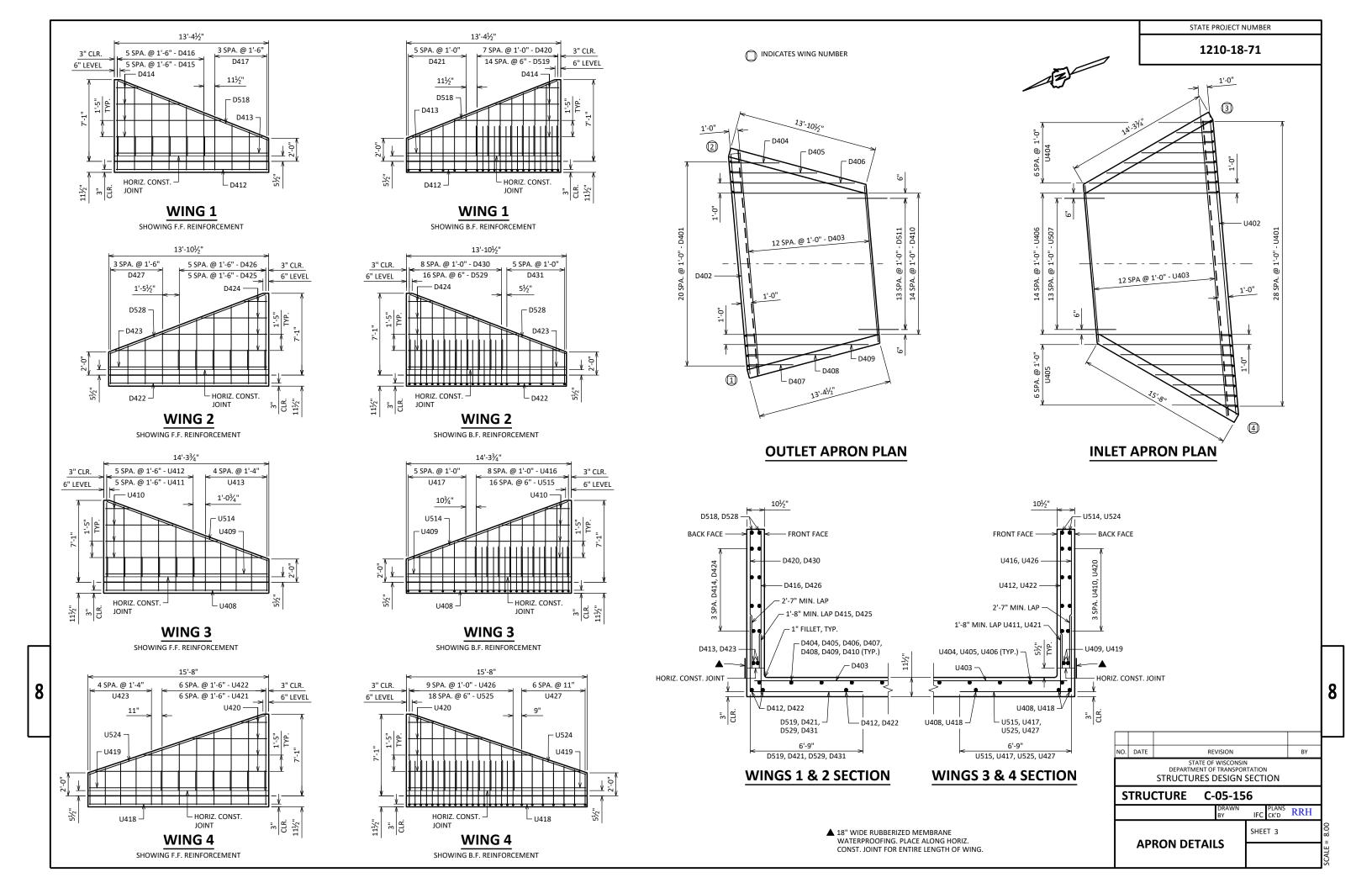
PLOT NAME :

PLOT SCALE: 9.931739:1.000000

PROJECT NO:







BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
D401		21	5'-7"	Х		OUTLET APRON AND CUTOFF WALL VERT.
D402		6	21'-10"			OUTLET APRON AND CUTOFF WALL HORIZ.
D403		13	18'-9"		lack	OUTLET APRON - TRANSVERSE
D404		1	4'-10"			OUTLET APRON - LONGIT.
D405		1	8'-6"			OUTLET APRON - LONGIT.
D406		1	12'-1"			OUTLET APRON - LONGIT.
D407		1	4'-6"			OUTLET APRON - LONGIT.
D408		1	8'-3"			OUTLET APRON - LONGIT.
D409		1	12'-1"			OUTLET APRON - LONGIT.
D410		15	13'-0"			OUTLET APRON - LONGIT.
D511		14	4'-0"			OUTLET APRON - APRON & BARREL - BOTTOM SLAE
D412		3	12'-11"			WING 1 - HORIZ APRON BOTTOM SLAB
D413	Х	2	12'-11"			WING 1 - HORIZ BOTH FACES
D414	Х	8	7'-0"		▲	WING 1 - HORIZ BOTH FACES
D415	Х	6	2'-10"			WING 1 - DOWELS - FRONT FACE
D416	Х	6	5'-0"		<b>A</b>	WING 1 - VERT FRONT FACE
D417	Х	4	3'-5"		▲	WING 1 - VERT FRONT FACE
D518	Х	2	13'-11"			WING 1 - TOP - BOTH FACES
D519	Х	15	10'-5"	Х		WING 1 - VERT BACK FACE
D420	Х	8	5' - 1"		lack	WING 1 - VERT BACK FACE
D421	Х	6	10'-4"	Х	lack	WING 1 - VERT BACK FACE
D422		3	13'-5"			WING 2 - HORIZ APRON BOTTOM SLAB
D423	Х	2	13'-5"			WING 2 - HORIZ BOTH FACES
D424	Х	8	7'-3"		<b>A</b>	WING 2 - HORIZ BOTH FACES
D425	Х	6	2'-10"			WING 2 - DOWELS - FRONT FACE
D426	Х	6	5'-0"		lack	WING 2 - VERT FRONT FACE
D427	Х	4	3'-5"		▲	WING 2 - VERT FRONT FACE
D528	Х	2	14'-4"			WING 2 - TOP - BOTH FACES
D529	Х	17	10'-5"	Х		WING 2 - VERT BACK FACE
D430	Х	9	4'-11"		lack	WING 2 - VERT BACK FACE
D431	Х	6	10'-3"	Х	Δ	WING 2 - VERT BACK FACE
U401		29	3'-7"	Х		INLET APRON AND CUTOFF WALL VERT.
U402		4	29'-7"			INLET APRON AND CUTOFF WALL HORIZ
U403		13	22'-7"		lack	INLET APRON - TRANSVERSE
U404		7	7'-2"		<b>A</b>	INLET APRON - LONGIT.
U405		7	7'-9"		Δ	INLET APRON - LONGIT.
U406		15	13'-0"			INLET APRON - LONGIT.
U507		14	4'-0"			INLET APRON - APRON & BARREL - BOTTOM SLAB
U408		3	13'-10"			WING 3 - HORIZ APRON BOTTOM SLAB
U409	Х	2	13'-10"			WING 3 - HORIZ BOTH FACES
U410	Х	8	7'-5"		<b>A</b>	WING 3 - HORIZ BOTH FACES
U411	Х	6	2'-10"			WING 3 - DOWELS - FRONT FACE
U412	Х	6	5'-1"		<b>A</b>	WING 3 - VERT FRONT FACE
U413	Х	5	3'-7"		Δ	WING 3 - VERT FRONT FACE
U514	Х	2	14'-9"			WING 3 - TOP - BOTH FACES
U515	Х	17	10'-5"	Х		WING 3 - VERT BACK FACE
U416	Х	9	5'-0"		<b>A</b>	WING 3 - VERT BACK FACE
U417	Х	6	10'-3"	Х	Δ	WING 3 - VERT BACK FACE
U418		3	15'-3"			WING 4 - HORIZ APRON BOTTOM SLAB
U419	Х	2	15'-3"			WING 4 - HORIZ BOTH FACES
U420	Х	8	8'-2"		Δ	WING 4 - HORIZ BOTH FACES
U421	Х	7	2'-10"			WING 4 - DOWEL - FRONT FACE
U422	Х	7	4'-11"		lack	WING 4 - VERT FRONT FACE
U423	Х	5	3'-5"		▲	WING 4 - VERT FRONT FACE
U524	Х	2	16'-1"			WING 4 - TOP - BOTH FACES
U525	Х	19	10'-5"	Х		WING 4 - VERT BACK FACE
U426	х	10	4'-11"		▲	WING 4 - VERT BACK FACE
			10'-3"	Х	lack	

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

6'-9"	D519, D421, D529, D431, U515, U417, U525, U427
<u>1'-0"</u>	D401, U401
	:
	D401 D519 D421 D529 D

D401, D519, D421, D529, D431, U401, U515, U417, U525, U427

# **BAR SERIES TABLE**

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
D403	1 SERIES OF 13	15'- 7" TO 22'- 1"
D414	2 SERIES OF 4	1'-7" TO 12'-5"
D416	1 SERIES OF 6	3'-7" TO 6'-5"
D417	1 SERIES OF 4	2'-7" TO 4'-4"
D420	1 SERIES OF 8	3'-9" TO 6'-5"
D421	1 SERIES OF 6	9'-4" TO 11'-4"
D424	2 SERIES OF 4	1'-8" TO 12'-10"
D426	1 SERIES OF 6	3'-8" TO 6'-5"
D427	1 SERIES OF 4	2'-7" TO 4'-4"
D430	1 SERIES OF 9	3'-6" TO 6'-5"
D431	1 SERIES OF 6	9'-4" TO 11'-3"
U403	1 SERIES OF 13	15'-7" TO 29'-7"
U404	1 SERIES OF 7	12'-8" TO 1'-9"
U405	1 SERIES OF 7	12'-8" TO 2'-10"
U410	2 SERIES OF 4	1'-8" TO 13'-3"
U412	1 SERIES OF 6	3'-10" TO 6'-5"
U413	1 SERIES OF 5	2'-7" TO 4'-7"
U416	1 SERIES OF 9	3'-7" TO 6'-5"
U417	1 SERIES OF 6	9'-3" TO 11'-2"
U420	2 SERIES OF 4	1'-10" TO 14'-6"
U422	1 SERIES OF 7	6'-5" TO 3'-6"
U423	1 SERIES OF 5	4'-4" TO 2'-7"
U426	1 SERIES OF 10	3'-6" TO 6'-5"
U427	1 SERIES OF 7	9'-4" TO 11'-2"

FINISHED GRADE

TOP OF BOX
CULVERT

PAY LIMITS OF BACKFILL A

BACKFILL STRUCTURE
TYPE B

LIMITS OF UNDERCUT

# TYPICAL SECTION THRU BOX CULVERT

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- ★ UNDER CUT 3'-2½" IS REQUIRED AT THE NORTHERN PART OF THE CULVERT ALIGNMENT AND 1'-0" AT THE SOUTHERN PART (INCLUDED IN EXCAVATION FOR STRUCTURES). PLACE GEOTEXTILE, TYPE "C", AND BACKFILL WITH 'BREAKER RUN'. EXTEND 3'-0" BEYOND THE FOOTPRINT OF THE CULVERT

2" BEVEL,

THE NORTHEAST REGION SOILS ENGINEER SHOULD BE PRESENT TO EVALUATE THE SUBSURFACE CONDITIONS DURING BOX CULVERT CONSTRUCTION.

# TYPICAL SECTION THRU BOX CULVERT WINGWALL

LIMITS OF —/
UNDERCUT

STATE PROJECT NUMBER

1210-18-71

TOP OF

WINGWALL

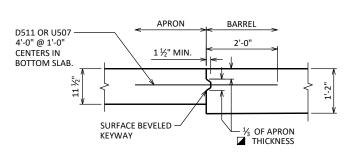
– FINISHED

GRADE

BACKFILL

PAY LIMITS
OF BACKFILL

STRUCTURE



D403 @ 1'-0'

# **APRON CONNECTION DETAIL**

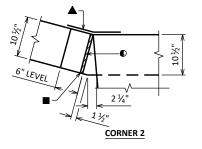
2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

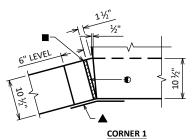
OPT. CONST.

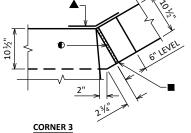
JOINT, TYP.

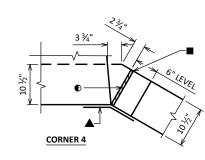
D404, D405, D406, D407,

D410 @ 1'-0"









# LEVEL

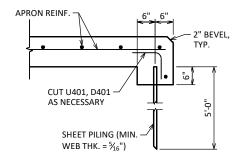
- ¾" FILLER TYPICAL. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING.
- 1" BEVEL TYPICAL

NO. DATE

▲ 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WALL.

# NAME PLATE DETAIL

# CORNER DETAILS



### ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

WING 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-05-156

DRAWN
BY
IFC PLANS RRH
SHEET 4

. 8

D401 @ 1'-0" SPA.

OUTLET INLET

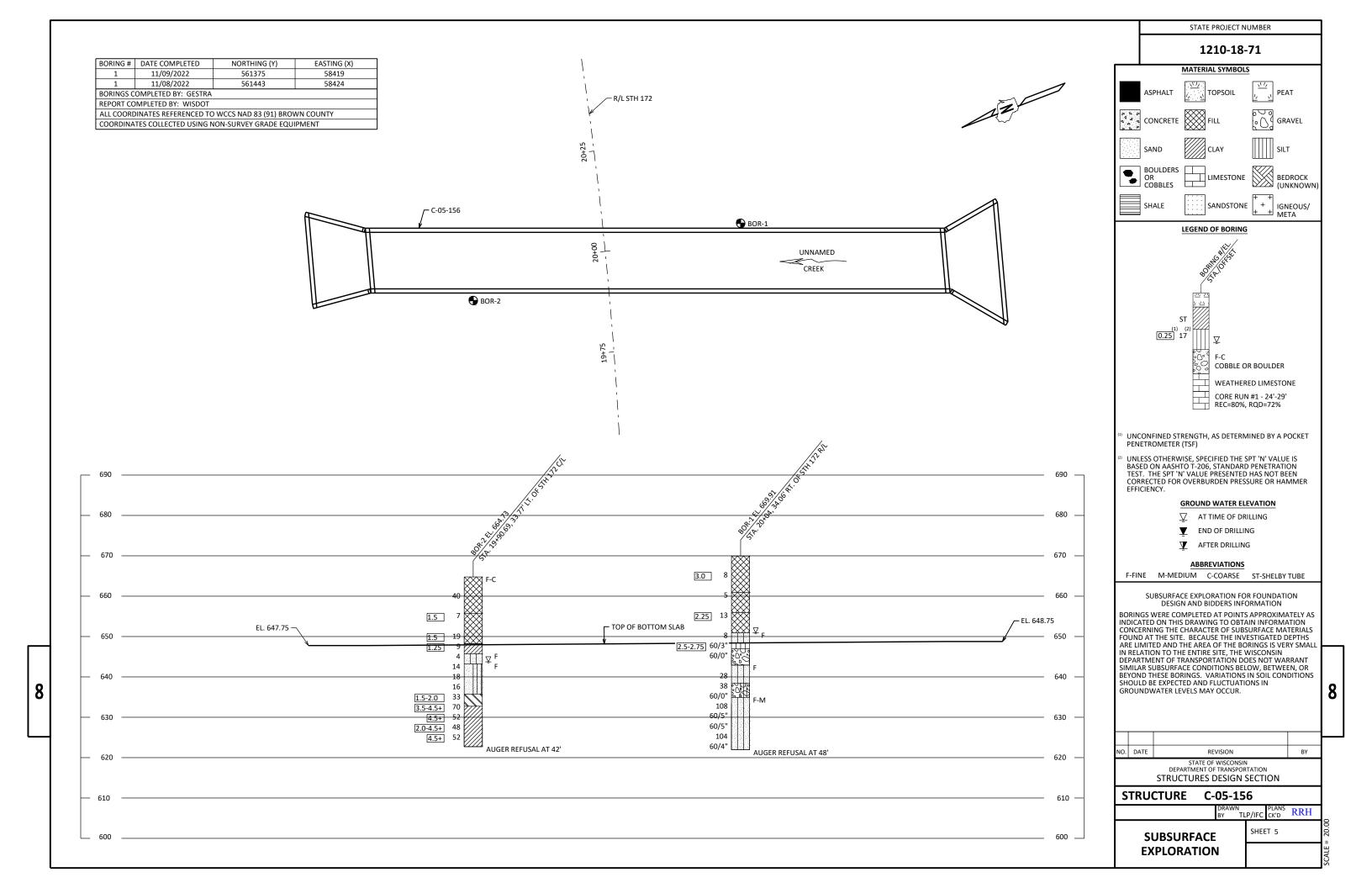
U404, U405,

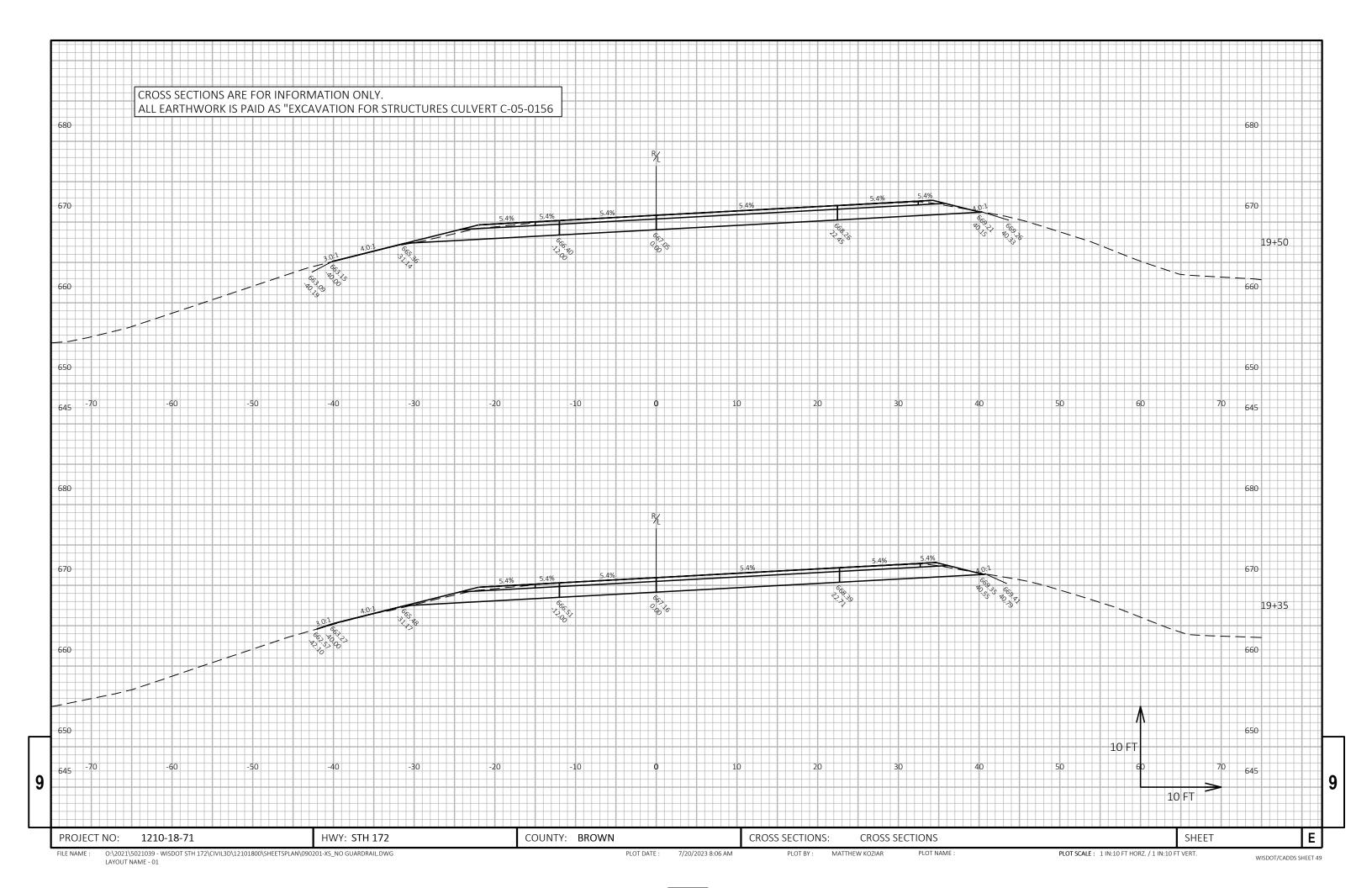
U406 @ 1'-0"

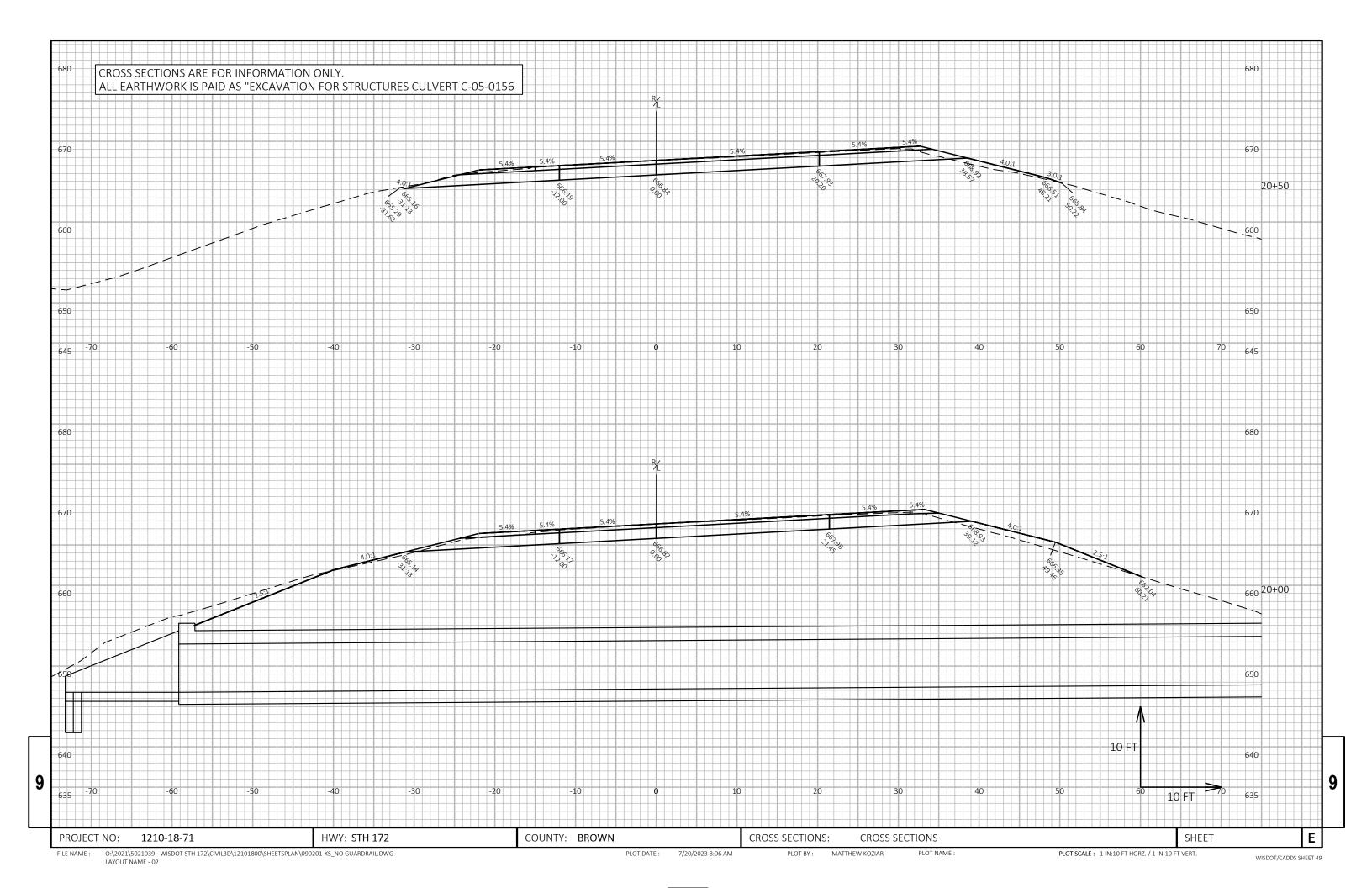
1'-0" SPA.

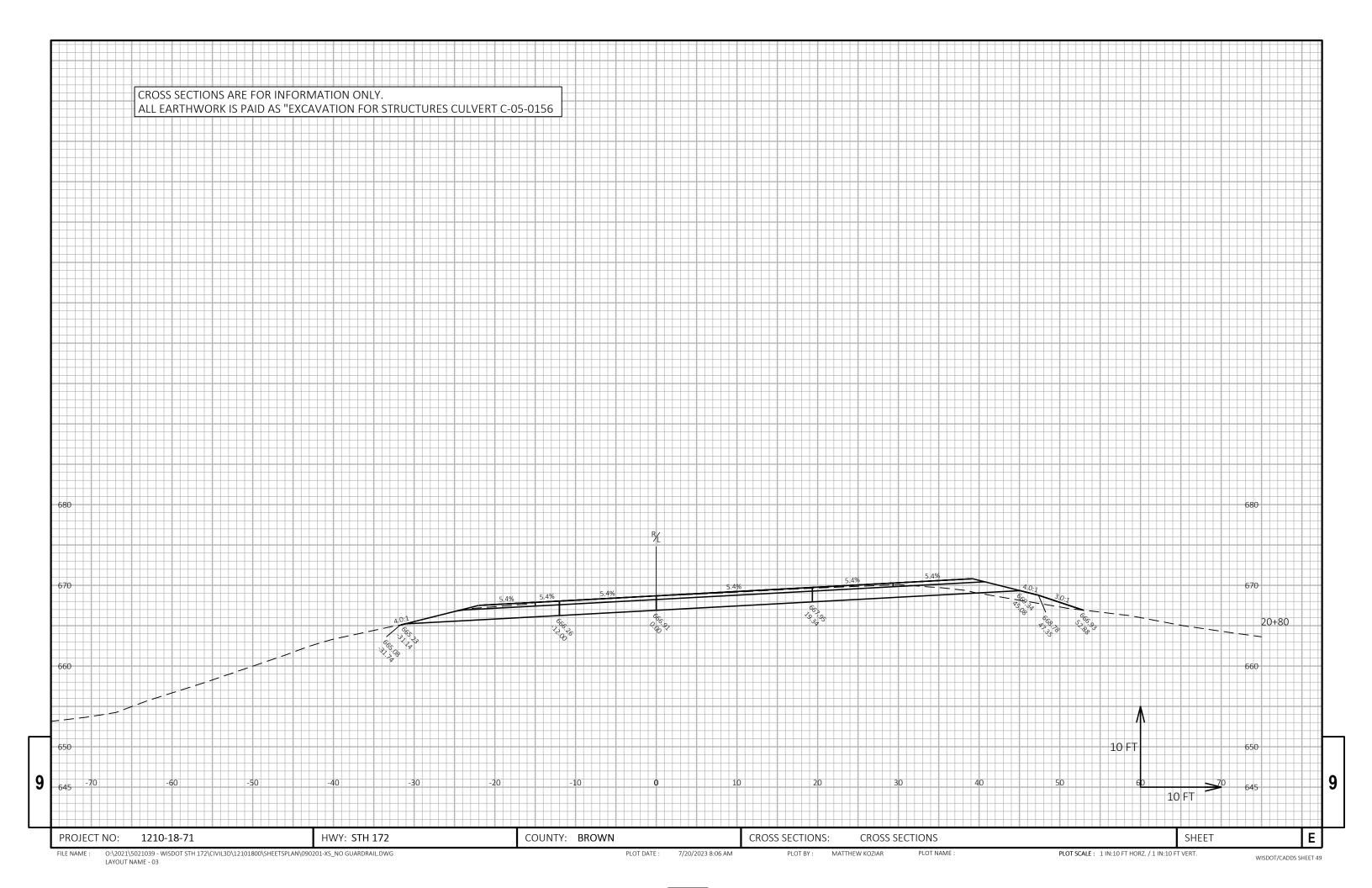
1'-0"

**CUT-OFF WALLS** 









Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov