Section No.

Section No.

Section No.

Section No.

Section No.

Section No.

Plan and Profile

Structure Plans

Cross Sections

Sign Plates

Standard Detail Drawings

Computer Earthwork Data

WOODED OR SHRUB AREA

JANUARY 2025 STATE OF WISCONSIN ORDER OF SHEETS **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details Estimate of Quantities Miscellaneous Quantities

PLAN OF PROPOSED IMPROVEMENT

CTH Z - CTH N

LITTLE ROCHE A CRI CREEK BRIDGE, P-01-903

CTH J

TOTAL SHEETS = 68 **ADAMS COUNTY** STATE PROJECT NUMBER 6375-01-71 R-4-E R-5-E CUMBERLAND **END PROJECT BEGIN PROJECT** Big STA 11+32.50 'J' STA 8+74.50 'J Y=221,275.74 DESIGN DESIGNATION 6375-01-01 X=509,666.33 A.A.D.T. A.A.D.T. 2045 = 1.770 D.H.V. = 177 D.D. Dellwood (1 = 10.0% DESIGN SPEED = S5 MPH = 490,000 **CONVENTIONAL SYMBOLS PROFILE** GRADE LINE CORPORATE LIMITS Adams ORIGINAL GROUND Castle PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) T-17-N LIMITED HIGHWAY EASEMENT SPECIAL DITCH DOVER DR **EXISTING RIGHT OF WAY** GRADE ELEVATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT UTILITIES DUCK CRK DR REFERENCE LINE ELECTRIC STRUCTURE B-01-0037 EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT GAS (Box or Pipe) SANITARY SEWER LAYOUT COMBUSTIBLE FLUIDS STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ADAMS COUNTY, NAD83 (2011), IN U.S. SURVEY MARSH AREA FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID UTILITY PEDESTAL DISTANCES, GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. TOTAL NET LENGTH OF CENTERLINE = 0.049 MI POWER POLE 占

ACCEPTED FOR COUNTY **ADAMS** 711 24 COMMISSIONER **ORIGINAL PLANS PREPARED BY** Short Elliott Hendrickson Inc. 6808 Odana Road, Suite 200 Madison, WI 53719-1137 uilding a Better World 608.620.6199 main | 888.908.8166 fax for All of Us¹ 800.732.4362 toll free | www.sehinc.cor IIISS/ONAL MIT 7/9/2024 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY Surveyor Designer JASON SCHAEFFER Project Manage

DAN ERVA. PE

Regional Supervisor

7/08/2024

PROVED FOR THE DEPARTMENT.

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2025161

STATE PROJECT

6375-01-71

TELEPHONE POLE

ARE BASED ON GEOID 12A.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS

STANDARD ABBREVIATIONS:

C/L

COB

CY

DG

INSIDE DIAMETER ABUT ABUTMENT ID INV INVERT AGGREGATE IRON PIPE ON PIN AGG IΡ APRON ENDWALL FOR CULVERT PIPE LEFT-HAND FORWARD LHF AECPRO REINFORCED CONCRETE APRON ENDWALL FOR CULVERT PIPE LENGTH OF CURVE LINEAR FOOT 1 F CORRUGATED STEEL LC LONG CHORD OF CURVE ΔSPH ASPHALTIC LUMP SUM LS **AVERAGE** AVG MANHOLE MH AVERAGE DAILY TRAFFIC ADT MOR MID POINT OF RADIUS BF **BACK FACE NORMAL CROWN** NC **BENCH MARK** NUMBER NO RR BRIDGE CE

OBLIT OBLITERATE COMMERCIAL ENTRANCE PAVEMENT PAVT **CENTER LINE** PE PRIVATE ENTRANCE CENTRAL ANGLE OR DELTA POINT OF VERTICAL REVERSE CURVE **PVRC** CENTER OF BARRIER QUARTER POINT OF RADIUS OOR

CONC CONCRETE RADIUS **CULVERT PIPE REINFORCED CONCRETE** REQ'D **REQUIRED** CULVERT PIPE REINFORCED CONCRETE CPRCHE RESIDENCE OR RESIDENTIAL RES HORIZONTAL ELLIPTICAL RHF RIGHT-HAND FORWARD CR CREEK

R/W RIGHT-OF-WAY **CUBIC YARD RIVER CURB AND GUTTER** C&G ROADWAY **RDWY** DEGREE OF CURVE R/L REFERENCE LINE DHV DESIGN HOUR VOLUME SALV SALVAGED DISCH DISCHARGE SAN **SANITARY SEWER** DITCH GRADE SF **SQUARE FEET** DWY DRIVEWAY SOLIARE YARD SY

EAST GRID COORDINATE STEEL PLATE BEAM GUARD ENERGY SDD STANDARD DETAIL DRAWINGS EAT STA STATION ARSORRING TERMINAL

EOR **END POINT OF RADIUS** SS STORM SEWER STORM SEWER PIPE REINFORCED **ELEVATION** SSPRC

ENTRANCE FNT **EQUIVALENT SINGLE AXLE LOADS ESALS** EXC **EXCAVATION**

EXCAVATION BELOW SUBGRADE FRS **EXIST EXISTING**

FACE OF CURB FC FF FACE TO FACE FERT FERTILIZE FIELD ENTRANCE FE FL FLOW LINE

FO FIBER OPTIC HUNDREDWEIGHT CWT HYD HYDRANT

DNR AREA LIAISON:

WISCONSIN DEPT OF NATURAL RESOURCES BLACK RIVER FALLS DNR SERVICE CENTER 910 HWY 54 F BLACK RIVER FALLS, WI 54615 TELEPHONE: 715.213.9064 ATTENTION: BRAD BETTHAUSER

EMAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

ADAMS COUNTY:

ADAMS COUNTY HIGHWAY DEPARTMENT 1342 CTH F ADAMS, WI 53910 TELEPHONE: 608.339.3355 ATTENTION: PAT KOTLOWSKI EMAIL: PKOTLOWSKI@CO.ADAMS.WI.US

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORTATION NORTH CENTRAL REGION 1681 SECOND AVENUE SOUTH WISCONSIN RAPIDS, WI 54495 TELEPHONE: 715.421.7309 ATTENTION: JASON SCHAEFFER EMAIL: JASON.SCHAEFFER@DOT.WI.GOV

DESIGN CONTACT:

SHORT ELLIOTT HENDRICKSON INC 6808 ODANA ROAD, SUITE 200 MADISON, WI 53719-1137 TELEPHONE: 608.620.6192 ATTENTION: CHRIS BLUM EMAIL: CBLUM@SEHINC.COM

UTILITY CONTACT LIST:

FRONTIER COMMUNICATIONS 306 E CONANT STREET PORTAGE, WI 53901 TELEPHONE: 608-742-9507 ATTENTION: JERRY MOORE EMAIL: JERALD.MOORE@FTR.COM

MARQUETTE-ADAMS TELEPHONE COOPERATIVE 113 N OXFORD STREET **OXFORD, WI 53952** TELEPHONE: 608-586-7022 ATTENTION: TIM SPATH EMAIL: TSPATH@MAADTELCO.COM

ALLIANT ENERGY 900 PRAIRIE LANE

SPRING GREEN, WI 53588 TELEPHONE: 608-963-3655 ATTENTION: MATT HOSLER

EMAIL: MATTHEWHOSLER@ALLIANTENERGY.COM

RUNOFF COEFFICIENT TABLE

SE

TC

TYP

VAR

VC

YD

T OR TN

SUPERELEVATION RATE

TRUCKS (PERCENT OF)

NORTH GRID COORDINATE

TOP OF CURB

TOWN

TYPICAL

YARD

VARIABLE

VERTICAL CURVE

		HYDROLOGIC SOIL GROUP										
			A		В			C			D	
	SLOPI	E RANGE	(PERCENT)	SL	SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		SLOPE RANGE (PERCENT)		(PERCENT)	
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK	.7080											
DRIVES, WALKS						.7585						•
ROOFS						.7595						
GRAVEL ROADS, SH	OULDERS					.4060						

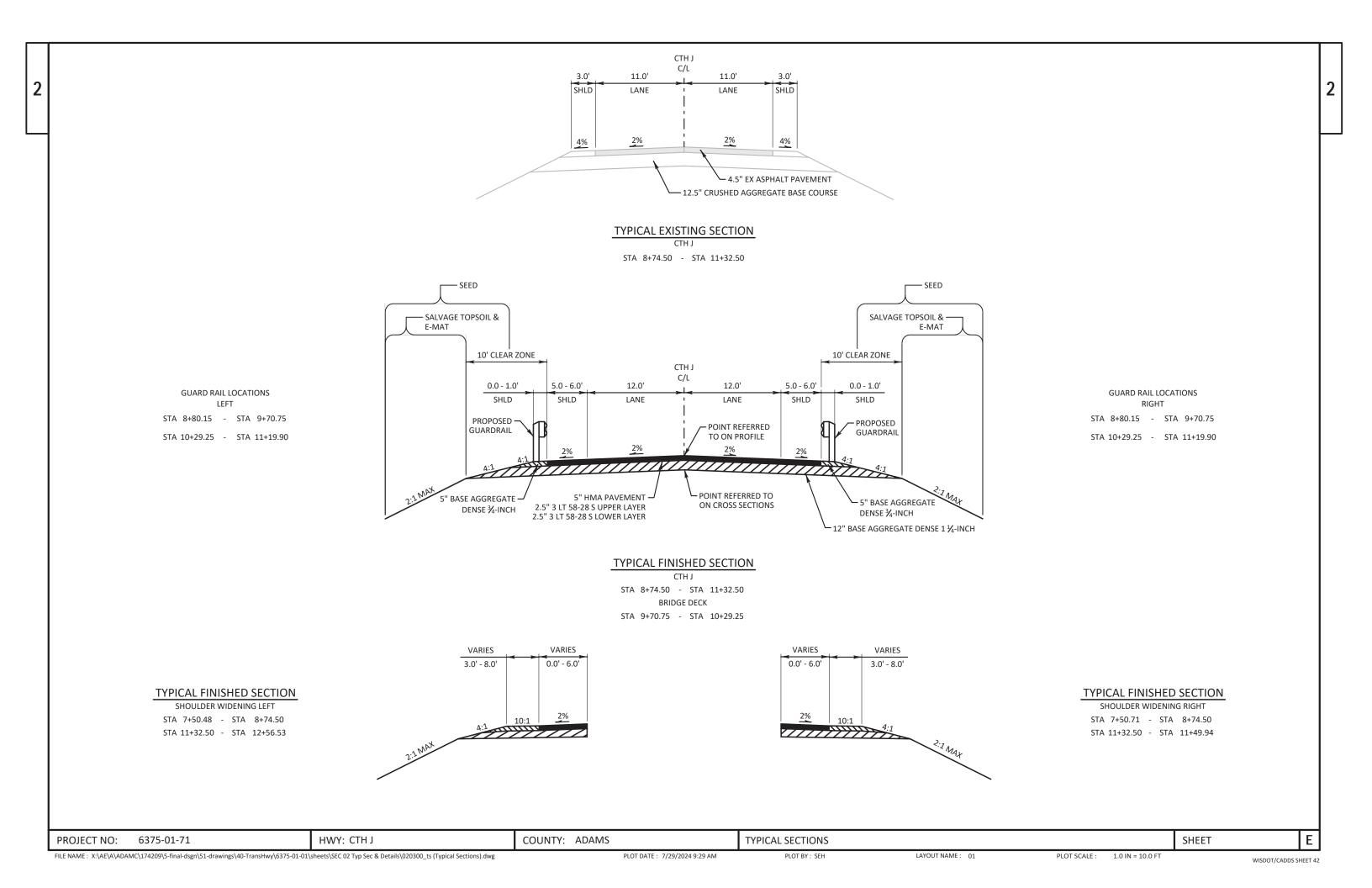
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.7ACRES

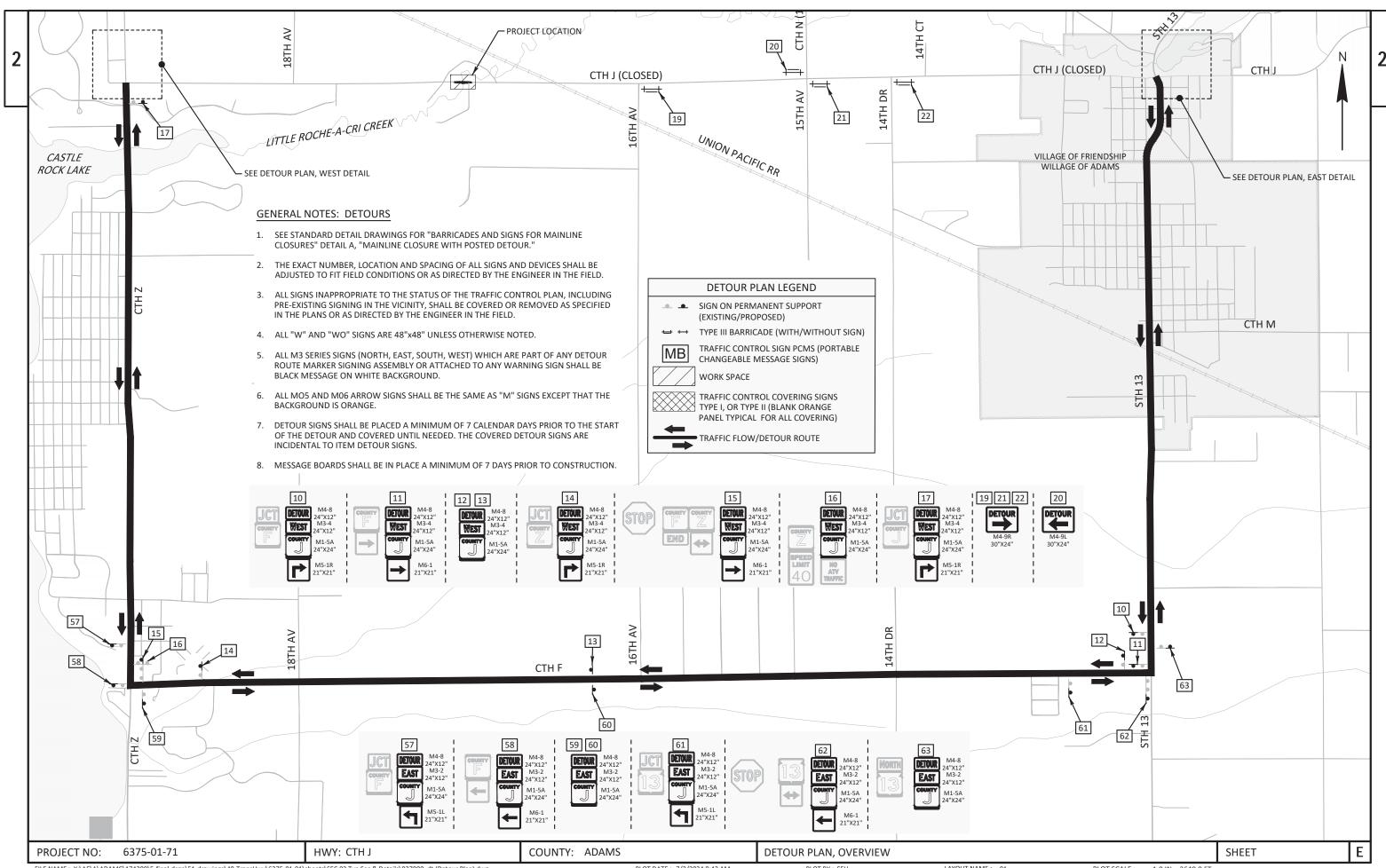
Dial or (800)242-8511 www.DiggersHotline.com

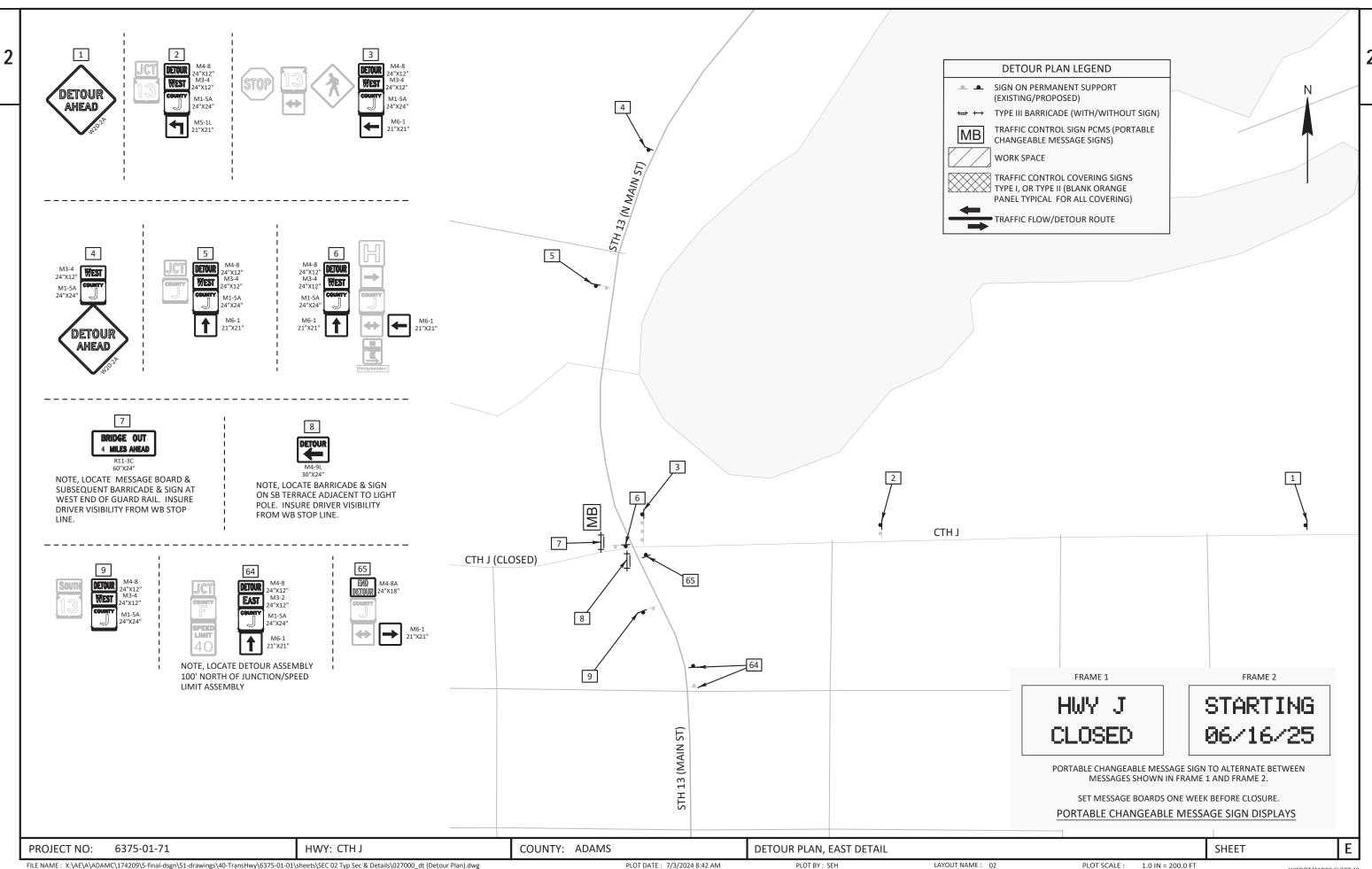
GENERAL NOTES:

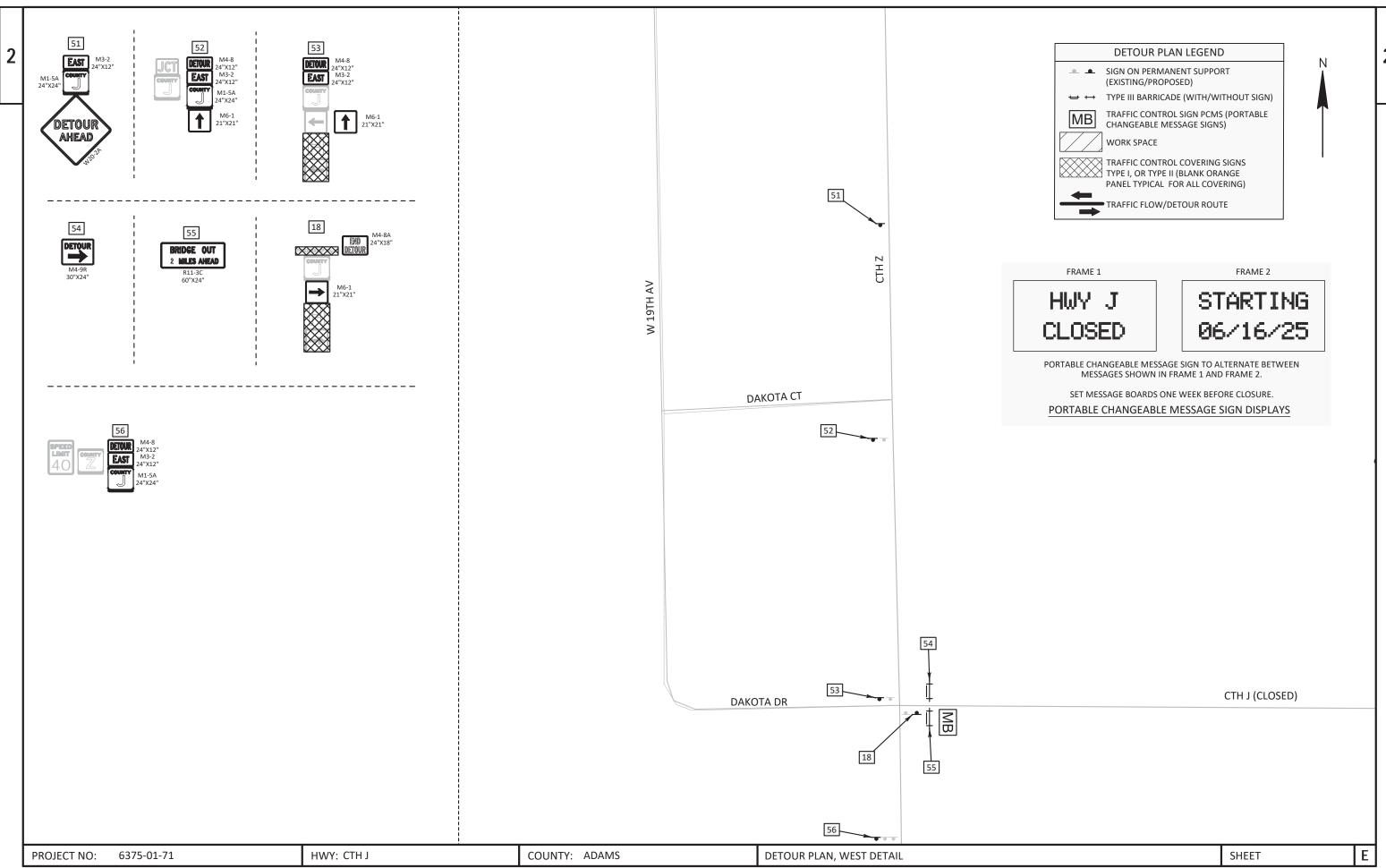
- 1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
- WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER
- BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
- CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
- TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED
- REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
- THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 10. ASPHALTIC SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
- 11. DISTURBED AREAS WITHIN THE RIGHT OF WAY. EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGE TOPSOILED AND SEEDED.
- 12. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
- 13. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE
- 14. APPLY TACK COAT AT A RATE OF 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
- 15. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
- 16. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

PROJECT NO: HWY: CTH J COUNTY: ADAMS **GENERAL NOTES SHEET** 6375-01-71 1 IN:100 FT









6375	-()1	-71	

					6375-01-71	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-1-903	EACH	1.000	1.000	
0004	205.0100	Excavation Common	CY	420.000	420.000	
0006	206.1001	Excavation for Structures Bridges (structure) 01. B-01-0037	EACH	1.000	1.000	
8000	206.5001	Cofferdams (structure) 01. B-01-0037	EACH	1.000	1.000	
0010	208.0100	Borrow	CY	436.000	436.000	
0012	210.1500	Backfill Structure Type A	TON	322.000	322.000	
0014	213.0100	Finishing Roadway (project) 01. 6375-01-71	EACH	1.000	1.000	
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	330.000	330.000	
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,200.000	1,200.000	
0020	455.0605	Tack Coat	GAL	160.000	160.000	
0022	460.5223	HMA Pavement 3 LT 58-28 S	TON	280.000	280.000	
0024	502.0100	Concrete Masonry Bridges	CY	205.000	205.000	
0026	502.3200	Protective Surface Treatment	SY	298.000	298.000	
0028	502.9000.S	Underwater Substructure Inspection (structure) 01. B-01-0037	EACH	1.000	1.000	
0030	505.0400	Bar Steel Reinforcement HS Structures	LB	6,630.000	6,630.000	
0032	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	24,610.000	24,610.000	
0034	513.4061	Railing Tubular Type M	LF	121.000	121.000	
0036	516.0500	Rubberized Membrane Waterproofing	SY	80.000	80.000	
0038	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	1,540.000	1,540.000	
0040	606.0300	Riprap Heavy	CY	135.000	135.000	
0042	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	160.000	160.000	
0044	614.2500	MGS Thrie Beam Transition	LF	158.000	158.000	
0046	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000	
0048	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6375-01-71	EACH	1.000	1.000	
0050	619.1000	Mobilization	EACH	1.000	1.000	
0052	624.0100	Water	MGAL	40.000	40.000	
0054	625.0500	Salvaged Topsoil	SY	1,830.000	1,830.000	
0056	628.1504	Silt Fence	LF	935.000	935.000	
0058	628.1520	Silt Fence Maintenance	LF	935.000	935.000	
0060	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0062	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0064	628.2027	Erosion Mat Class II Type C	SY	1,340.000	1,340.000	
0066	628.6005	Turbidity Barriers	SY	460.000	460.000	
8900	630.0120	Seeding Mixture No. 20	LB	41.000	41.000	
0070	630.0200	Seeding Temporary	LB	41.000	41.000	
0072	630.0500	Seed Water	MGAL	19.000	19.000	
0074	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0076	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0078	638.2102	Moving Signs Type II	EACH	1.000	1.000	
0080	638.2602	Removing Signs Type II	EACH	4.000	4.000	
0082	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0084	638.4000	Moving Small Sign Supports	EACH	1.000	1.000	
0086	642.5001	Field Office Type B	EACH	1.000	1.000	
0088	643.0420	Traffic Control Barricades Type III	DAY	900.000	900.000	
0090	643.0705	Traffic Control Warning Lights Type A	DAY	600.000	600.000	
0092	643.0900	Traffic Control Signs	DAY	5,450.000	5,450.000	
0094	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000	
0096	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
0098	643.5000	Traffic Control	EACH	1.000	1.000	
5555	0-10.0000	Traine Control	LAOIT	1.000	1.000	

Estimate Of Quantities

6375-01-71

Page 2

Line	Item	Item Description	Unit	Total	Qty
0100	645.0111	Geotextile Type DF Schedule A	SY	78.000	78.000
0102	645.0120	Geotextile Type HR	SY	227.000	227.000
0104	646.1020	Marking Line Epoxy 4-Inch (White)	LF	518.000	518.000
0106	646.1020	Marking Line Epoxy 4-Inch (Yellow)	LF	65.000	65.000
0108	650.5000	Construction Staking Base	LF	372.000	372.000
0110	650.6501	Construction Staking Structure Layout (structure) 01. B-01-0037	EACH	1.000	1.000
0112	650.9911	Construction Staking Supplemental Control (project) 01. 6375-01-71	EACH	1.000	1.000
0114	650.9920	Construction Staking Slope Stakes	LF	511.000	511.000
0116	690.0150	Sawing Asphalt	LF	348.000	348.000
0118	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. STA 10+00	EACH	1.000	1.000
0120	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0122	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0124	SPV.0090	Special 01. Flashing Stainless Steel	LF	117.000	117.000
0126	SPV.0090	Special 02. Removing Existing Timber Piling	LF	100.000	100.000
0128	SPV.0195	Special 01. Select Crushed Material Riprap Filler	TON	42.000	42.000

EARTHWORK SUMMARY

205.0100

CATEGORY	STATION	LOCATION	EXCAVATION COMMON (1) CY	AVAILABLE MATERIAL (2) CY	EXPANDED FILL (3) CY	MASS ORDINATE (4) +/-	208.0100 BORROW CY
0010							
	7+48 - 9+70.75	LT & RT	215	186	410	-224	224
	10+29.25 - 12+30	LT & RT	205	174	386	-212	212
	PROJECT TOTAL		420	360	796	-436	436

BASE AGGREGATE ITEMS

				305.0110	305.0120	624.0100
				BASE AGGREGATE DENSE 3/4-INCH	BASE AGGREGATE DENSE 1 1/4-INCH	WATER
CATEGORY	STATION	TO	STATION	TON	TON	MGAL
	STATION	10	STATION	ION	TON	IVIGAL
0010						
	7+50	TO	9+71	110	450	10
	7+87	TO	9+71	70	180	10
	10+29	TO	12+17	60	160	10
_	10+29	TO	12+57	90	410	10
	IT	EM TOTA	AL	330	1,200	40

NOTES:

- 1) UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON EXCAVATION.
- 2) AVAILABLE MATERIAL DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION.
- 3) EXPANSION FACTOR = 1.3
- (4) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.
- MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

ASPHALTIC PAVEMENT

			- 455.0605 TACK COAT	460.5223 HMA PAVEMENT 3 LT 58-28 S
CATEGORY	STATION	LOCATION	GAL	TON
0010				
	7+87 - 9+71	RT	20	30
	7+92 - 9+71	LT	20	30
	8+75 - 9+71	CL	40	80
	10+29 - 11+33	CL	40	80
	10+29 - 11+47	RT	20	30
_	10+29 - 12+17	LT	20	30
	ITEM TO	TALS	160	280

			GUARDRAIL ITEMS		
			614.2500	614.2610	
			MGS THRIE	MGS GUARDRAIL	
			BEAM TRANSITION	TERMINAL EAT	
CATEGORY	STATION TO STATION	LOCATION	LF	EACH	REMARKS
0010					
	8+77.32 - 9+67.39	LT	39.4	1	RAILING TYPE M CONNECTION
	8+77.64 - 9+67.64	RT	39.4	1	RAILING TYPE M CONNECTION
	10+32.39 - 11+22.39	LT	39.4	1	RAILING TYPE M CONNECTION
	10+32.61 - 11+22.68	RT	39.4	1	RAILING TYPE M CONNECTION

158

MAINTENANCE AND REPAIR OF HAUL ROADS (6375-01-71)

		618.0100
CATEGORY	STATION	EACH
0030		
	PROJECT LENGTH	1
	ITEM TOTAL	1

	TOPSOIL AND SEEDING								
				630.0120					
			625.0500	SEEDING	630.0200	630.0500			
			SALVAGED	MIXTURE	SEEDING	SEED			
			TOPSOIL	NO. 20	TEMPORARY	WATER			
CATEGORY	STATION	LOCATION	SY	LB	LB	MGAL			
0010									
	7+48 - 9+97	LT	363	7.9	7.9	4			
	7+48 - 9+84	RT	425	9.5	9.5	4			
	10+24 - 11+52	RT	207	4.5	4.5	2			
	10+31 - 12+59) LT	465	10.7	10.7	5			
	UNDISTRI	BUTED	370	8	8	4			
	ITEM TO	TALS	1,830	41	41	19			

MOBILIZATIONS EROSION CONTROL

			628.1910
		628.1905	MOBILIZATIONS
		MOBILIZATIONS	EMERGENCY
		EROSION	EROSION
		CONTROL	CONTROL
CATEGORY	STATION	EACH	EACH
0010			
	PROJECT LENGTH	5	3
	ITEM TOTALS	5	3

PROJECT NO:

HWY: CTH J 6375-01-71

COUNTY: ADAMS

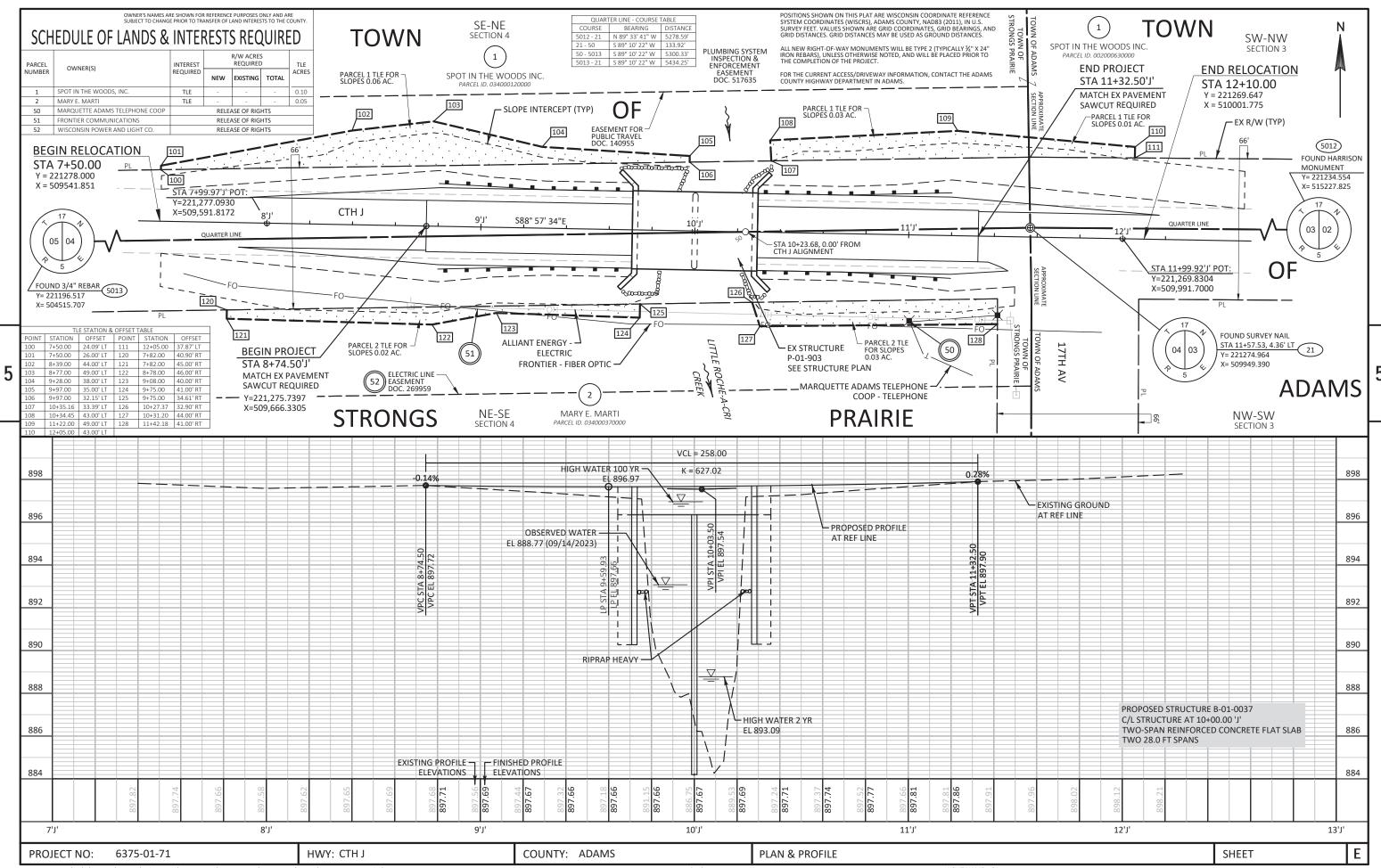
MISCELLANEOUS QUANTITIES

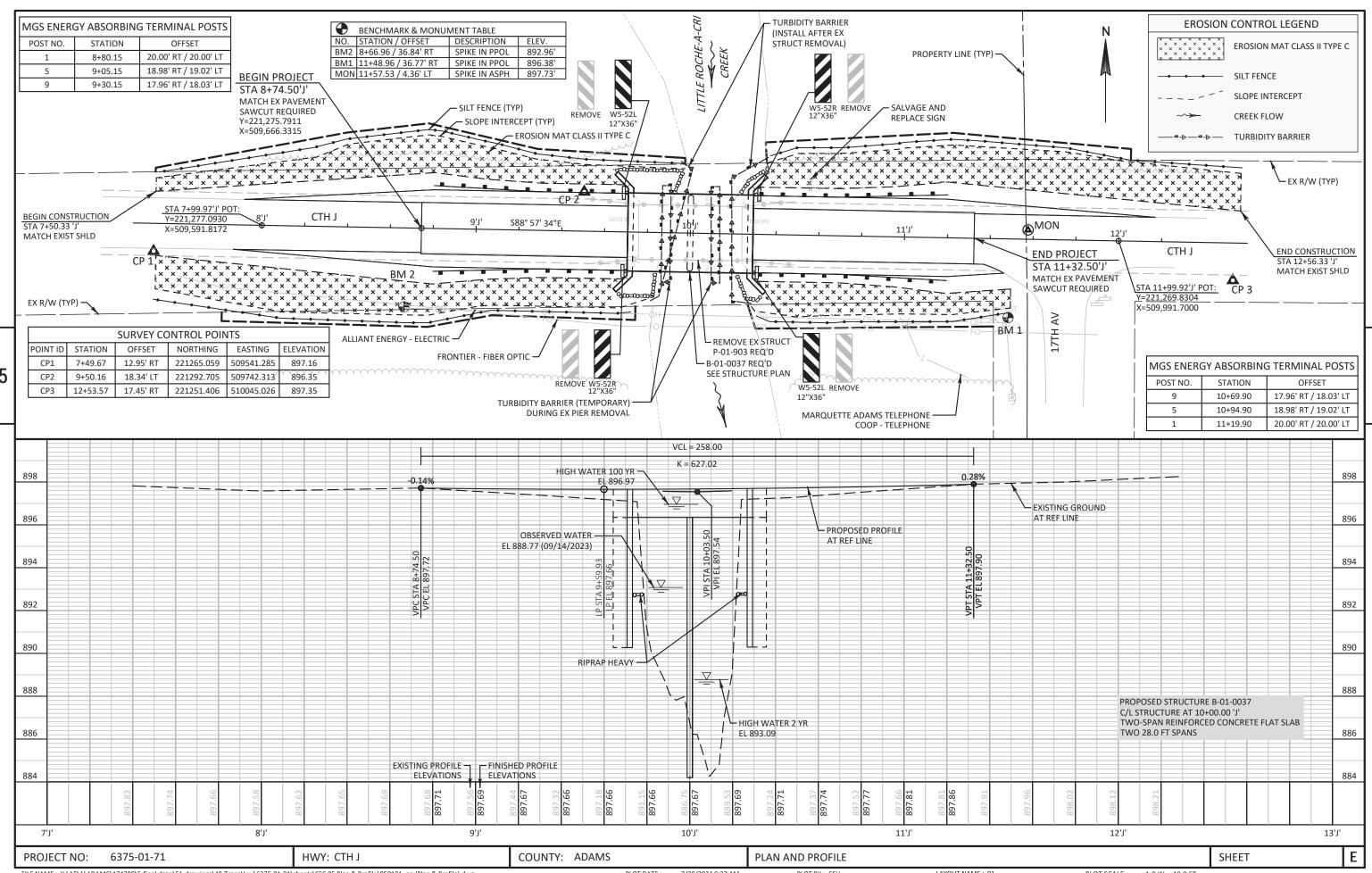
ITEM TOTALS

PLOT SCALE :

SHEET

			CATEGORY	STATI	ON	LOCATION	628.1504 SILT FENCE LF	EROSIO 628.1520 SILT FENCE MAINTENANCE LF	N CONTROL ITEMS 628.2027 EROSION MA CLASS II TYPI SY		628.6005 BIDITY BARRIERS SY	RE	MARKS		
3			0010	7+48 - 9 7+48 - 9 9+9 10+6 10+2 10+24 - 10+31 -	9+97 03 00 19 11+52	RT LT LT/RT RT LT/RT RT LT	237 251 - - - 132 225 90	237 251 - - - 132 225 90	353 291 - - - 168 398 130		- 115 157 138 - - 50	INSTALL AFTER E TEMPORARY DUR INSTALL AFTER E	ING EX PIER REM	MOVAL	
					ITEM TOTA		935	935	1,340 SIGNING		460				
CA	ATEGORY	STATION	LOCATION	SIGN CODE	SIZE	(INCH)	MESSAGE	634.0612 POSTS WOOD 4X6-INCH X 12-I EACH	637.2230 SIGNS TYPE II	638.2102 MOVING SIGNS TYPE II EACH	638.2602 S REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARK	c
	0010	9+69 9+69 10+30 10+30 10+55	RT LT RT LT LT	W5-52-R W5-52-L W5-52-R W5-52-L	12 12 12 12 12	36 CLI 36 CLI 36 CLI 36 CLI	EARANCE STRIPER EARANCE STRIPER EARANCE STRIPER EARANCE STRIPER EARANCE STRIPER ROCHE-A-CRI CREEK	1 1 1 1	3 3 3 3	- - - - 1	1 1 1 1	1 1 1 1	- - - - 1	SALVAGE AND REF	
					ITEM TOTAL		THO STIE TO STILL ON EET	4	12	1	4	4	1	3,127,132,1113,112	
CA	TEGORY	STAGE	PROJECT LO	CATION	APPROX. S PERIOD		643.0420 TRAFFIC CONTROL BARRICADES TYPE II DAY	TR/ WARI	RAFFIC CONTROL 643.0705 AFFIC CONTROL NING LIGHTS TYPE A DAY QT			DL TRAFFIC PE II SIGNS	.1050 CONTROL S PCMS AYS	REMARKS	
	0010	0 1 1 1 1 1	WEST/EAST A WEST APPI DETOU EAST APPF B-01-00 SIDE STR	PPROACH ROACH JR ROACH D37	7 50 50 50 50	-) 2) -) 2) 10	- 100 - 100 500 200	- - - - - 12	- 1 - 1 - 54 - 3. 600 2 - 4	- 7 850 4 2,700	- 5 - - - - 5	2 : - - - -	14 SEE	E DETOUR PLAN, WEST & SEE DETOUR PLAN, WES SEE DETOUR PLAN, OV SEE DETOUR PLAN, EAS SEE SDD 15CO2 -C SEE DETOUR PLAN, OV	ST DETAIL 'ERVIEW IT DETAIL 1998
NOTE	E: * NUMBE	ER OF CYCLES =	: 1			PROJECT TOTAL 00	900		600			-	14		
	EGORY 0010	STATION		6 Mar EPC WHITE FION LF	T MARKING 46.1020 RKING LINE DXY 4-INCH E YELLOV LF	N	REMARKS		10	650.5000 BASE LF	STRUCTURE SUPPLE LAYOUT CON (B-01-0037) (6375 EACH EACH	NTROL 650.9920 5-01-71) SLOPE STAK ACH LF			690.0150 ASPHALT LF 24
	_	8+74 - 11+ 8+74 - 11+ ITEN			- 65 65		GE OF TRAFFIC LANE L SHED CENTER LINE	INE	PROJECT LENG 7+87 - 9+71 10+29 - 12+1 ITEM TOTAL	. 184 7 188	1 - - 1	1 511 1 511	_	11+33 SHLD WIDENING ITEM TOTALS	24
PROJEC		6375-01-71 DAMC\174209\5-FINAL	-DSGN\51-DRAWINGS\		WY: CTH J	MISC QTYS\030201-MQ (MISI	COUNTY:	ADAMS PLOT DATE:		SCELLANEOUS Q	UANTITIES SMINE MOLDOVAN PLOT NAM	IE:	PLOT SCALE : 1" = 1	SHEET 1'	WISDOT/CADDS SHEET 42





Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-09в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS

TYPICAL APPLICATION OF SILT FENCE

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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

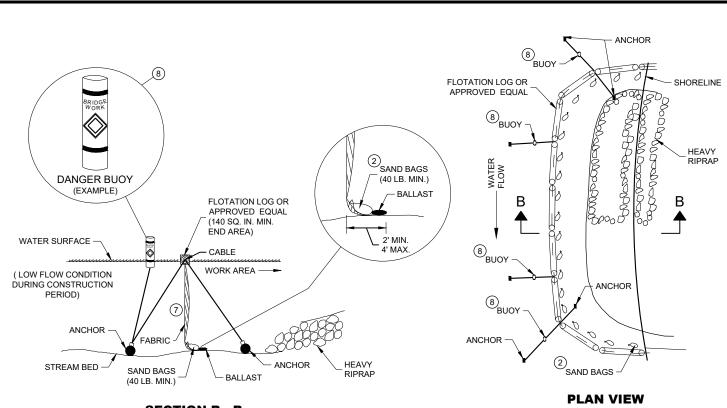
(WHEN REQUIRED BY THE ENGINEER)



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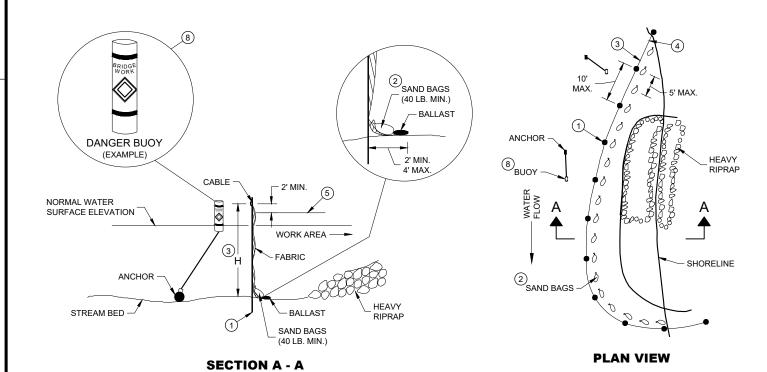
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D.D. 8 E 9-6



SECTION B - B

TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

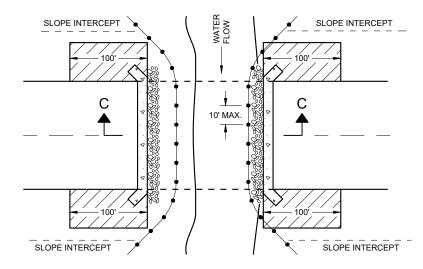
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

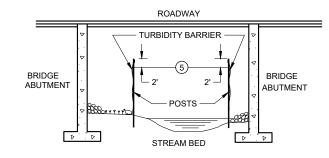
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- 1 DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- (2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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 APPROVED
 /S/ Beth Cannestra

 6/4/02
 /S/ Beth Cannestra

 DATE
 CHIEF ROADWAY DEVELOPMENT ENGINEER





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

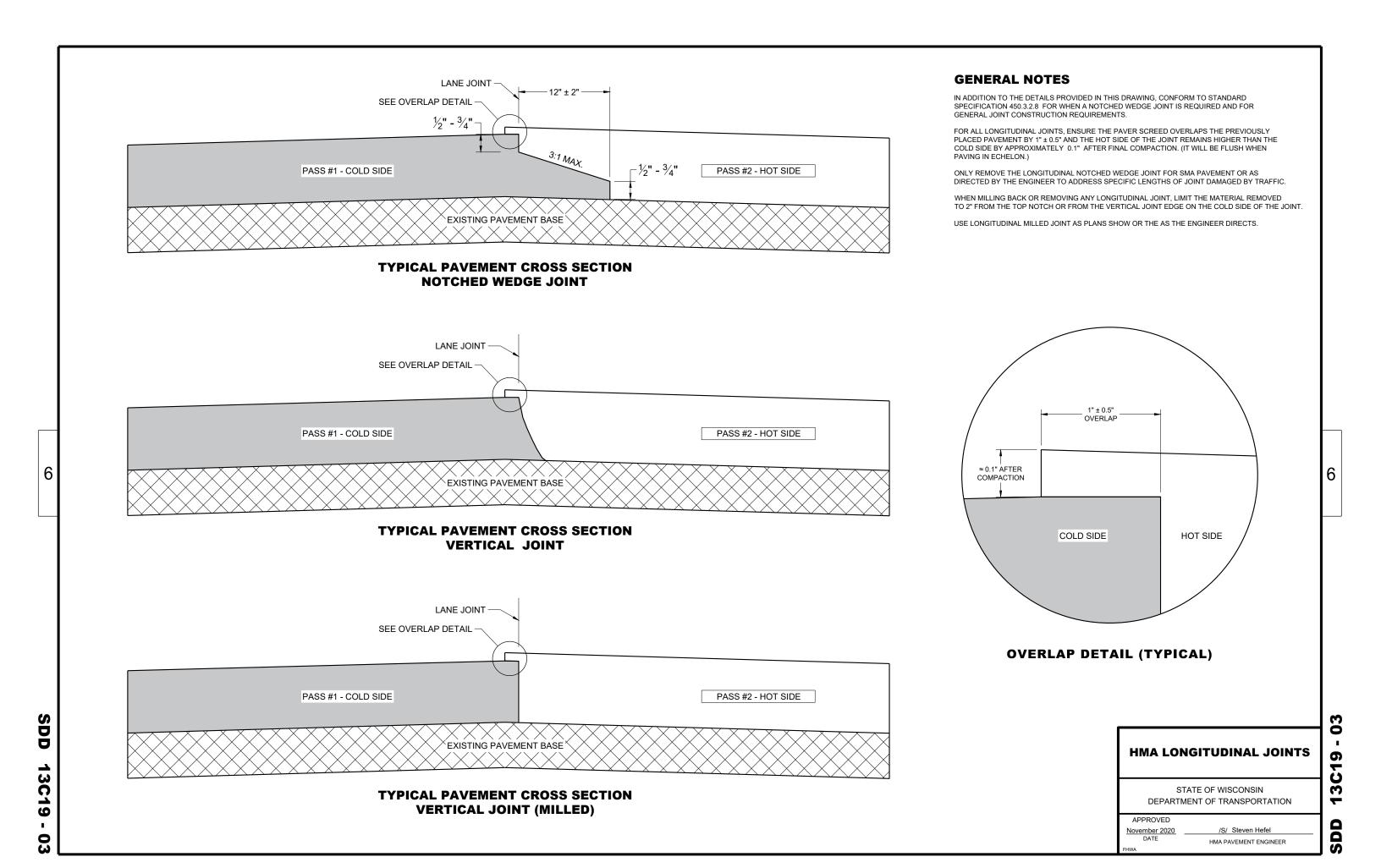
APPROVED

3/26/IO /S/ Scot Becker

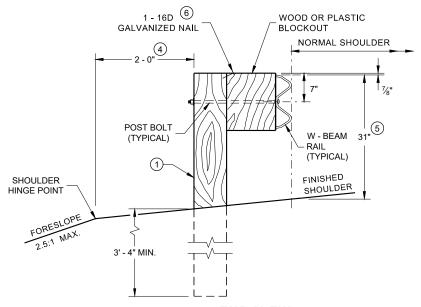
DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

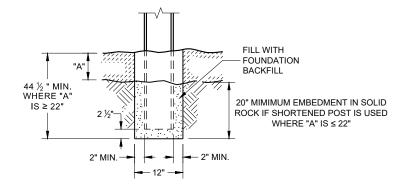
3-10



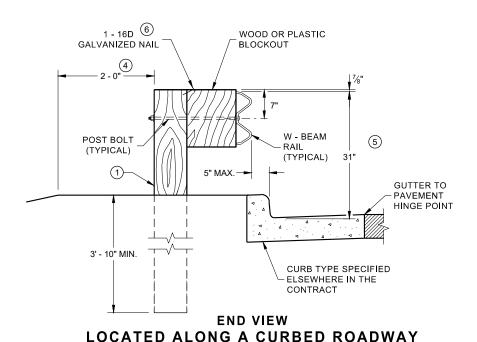
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- 4 WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- $\fill \ensuremath{\texttt{5}}$ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS \$\pm1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 % " TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- \bigcirc TOTAL POST LENGTH FOR TYPE K IS 7' 0". TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' 0".

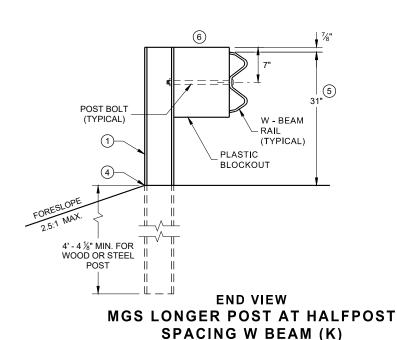


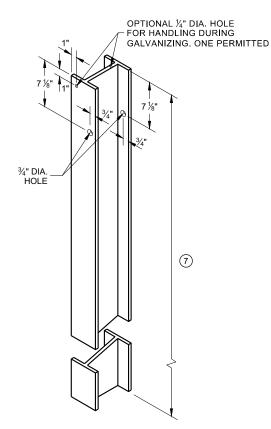
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



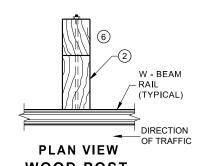
SETTING STEEL OR WOOD POST IN ROCK



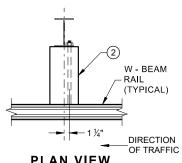




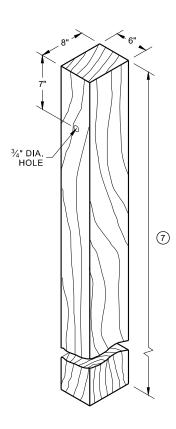
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



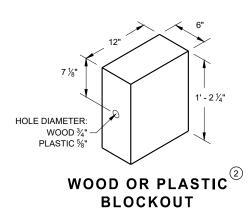
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

FRONT VIEW HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

3' 1½" C -C 3' 1½" C - C POST SPACING POST SPACING

6' 3" C - C

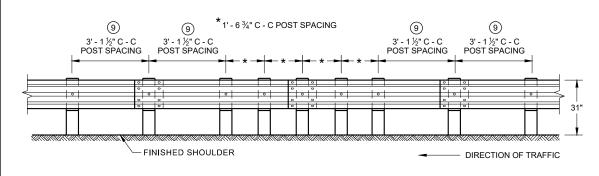
POST SPACING

DIRECTION OF TRAFFIC

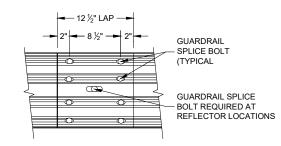
6' - 3" C -C

POST SPACING

FINISHED SHOULDER



FRONT VIEW
QUARTER POST SPACING (QS)



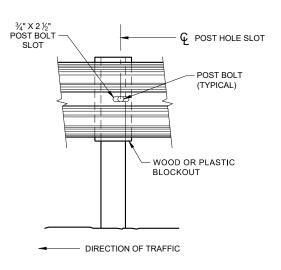
FRONT VIEW
MID-SPAN BEAM SPLICE

GENERAL NOTES

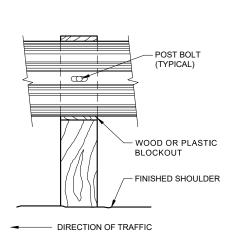
- 8 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

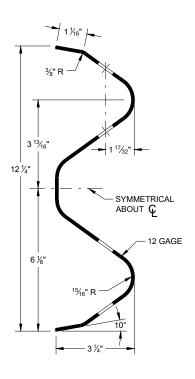
GUARD RAIL SPLICE BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



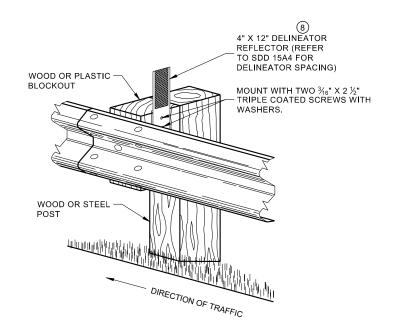
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

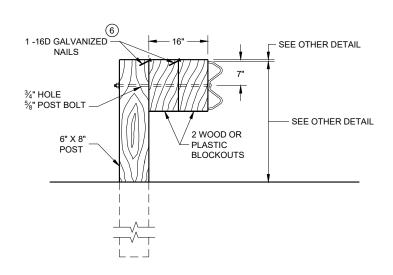
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

07b

SDD

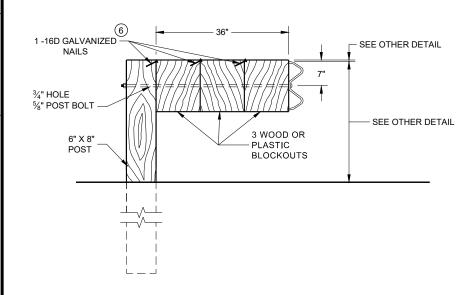
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6



DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



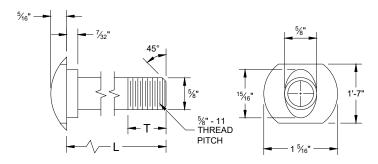
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

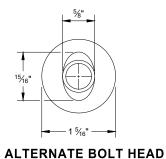
NOTE:

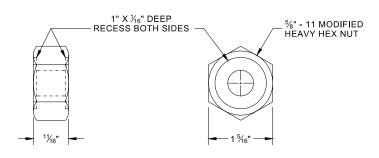
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{3}{16}$ ".
- 2. IF THE BOLT EXTENDS MORE THAN $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



POST BOLT TABLE

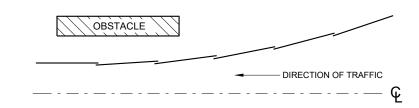
L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



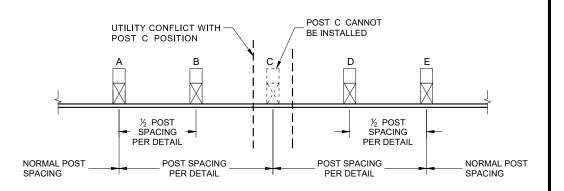


POST BOLT, SPLICE BOLT **AND RECESS NUT**

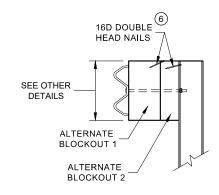
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D (6) GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

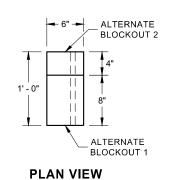


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

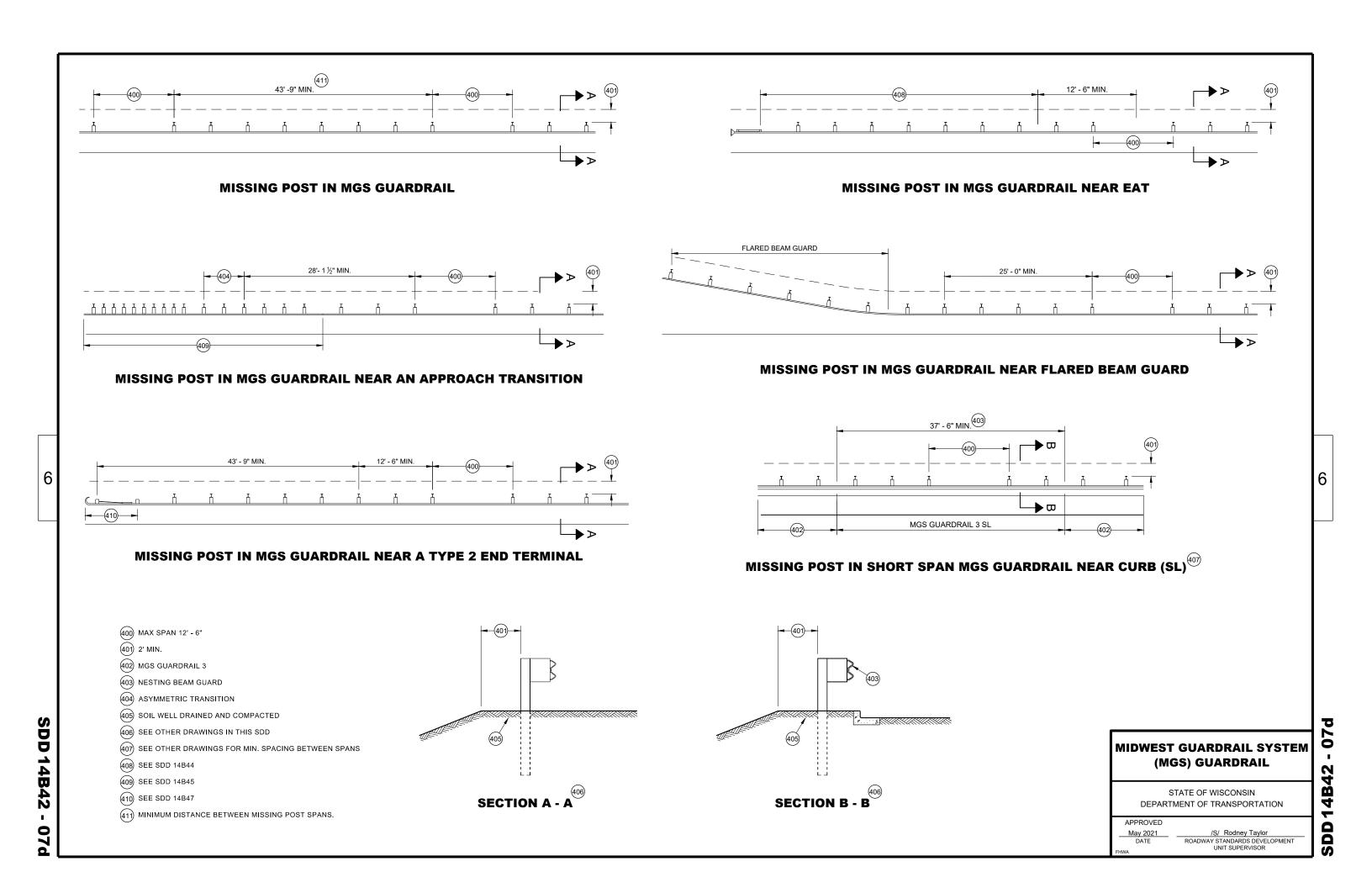
ALTERNATE WOOD BLOCKOUT DETAIL

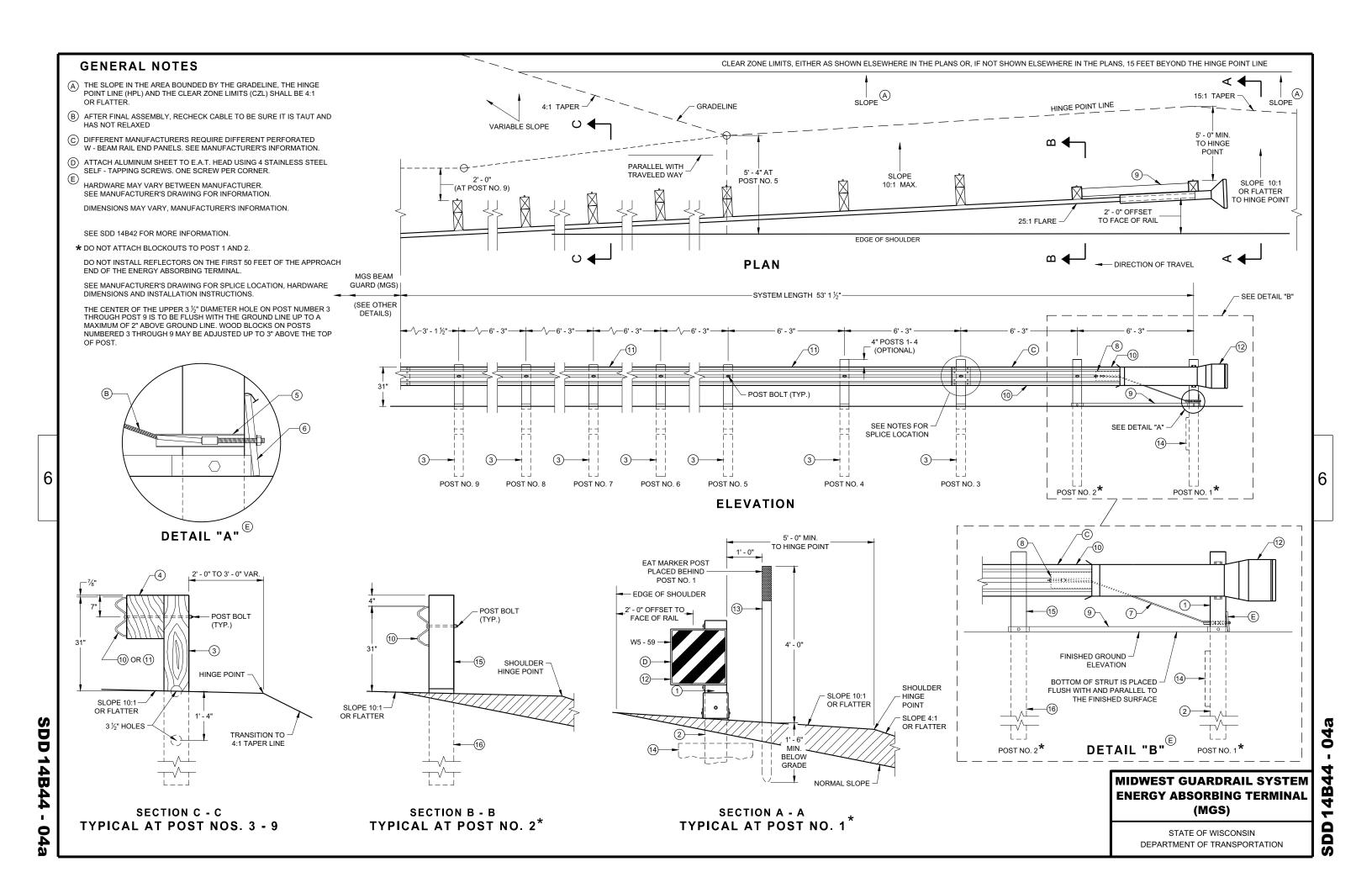
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

07

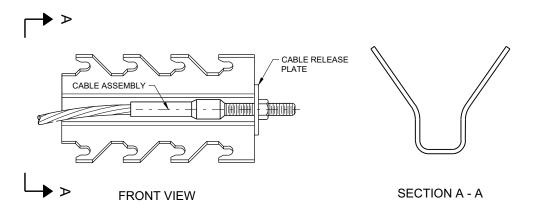
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

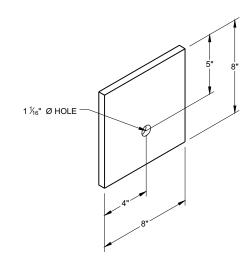




GENERIC GROUND STRUT



GENERIC ANCHOR CABLE BOX ^{(9) (E)}



BEARING PLATE

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

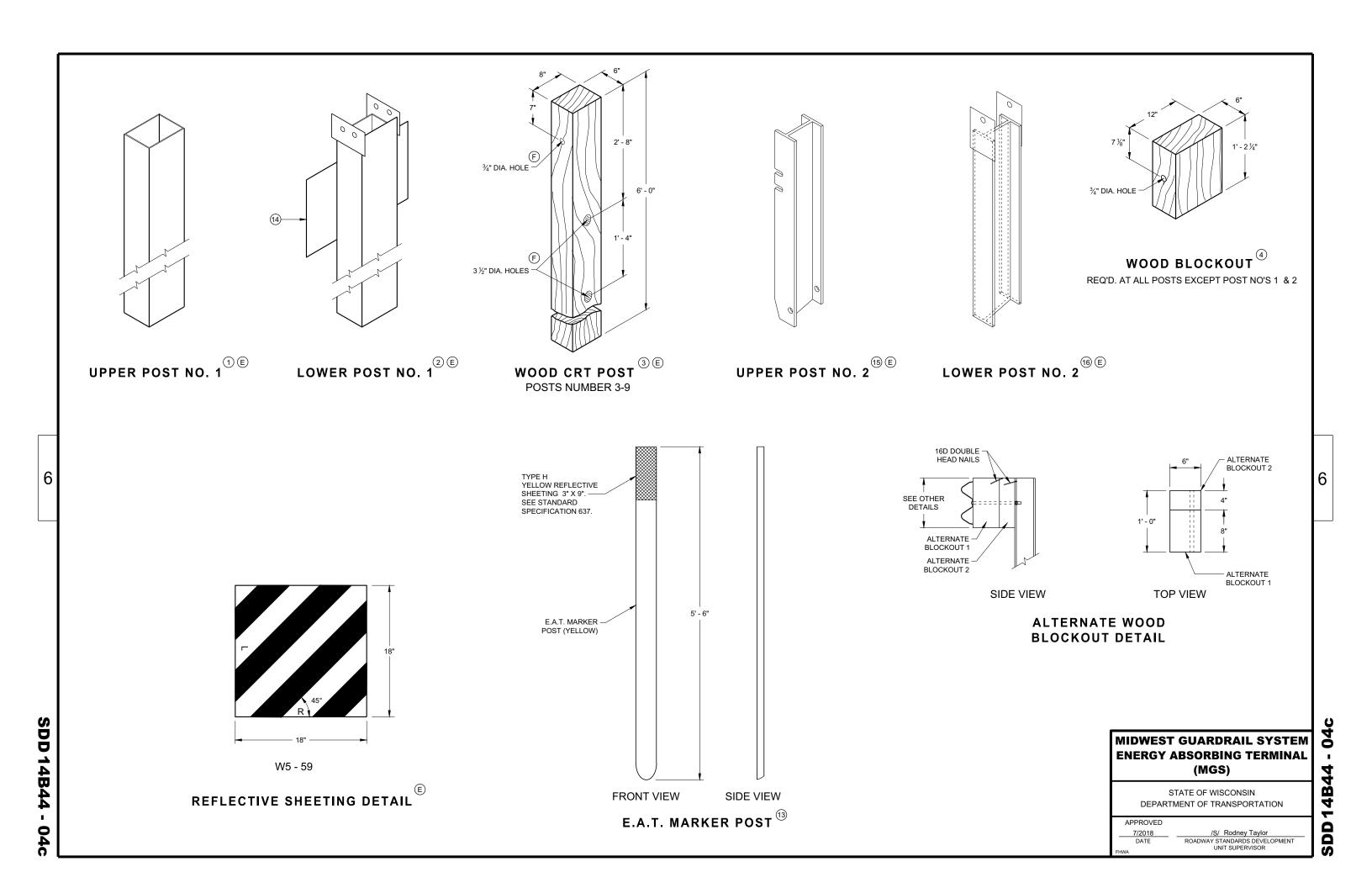
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

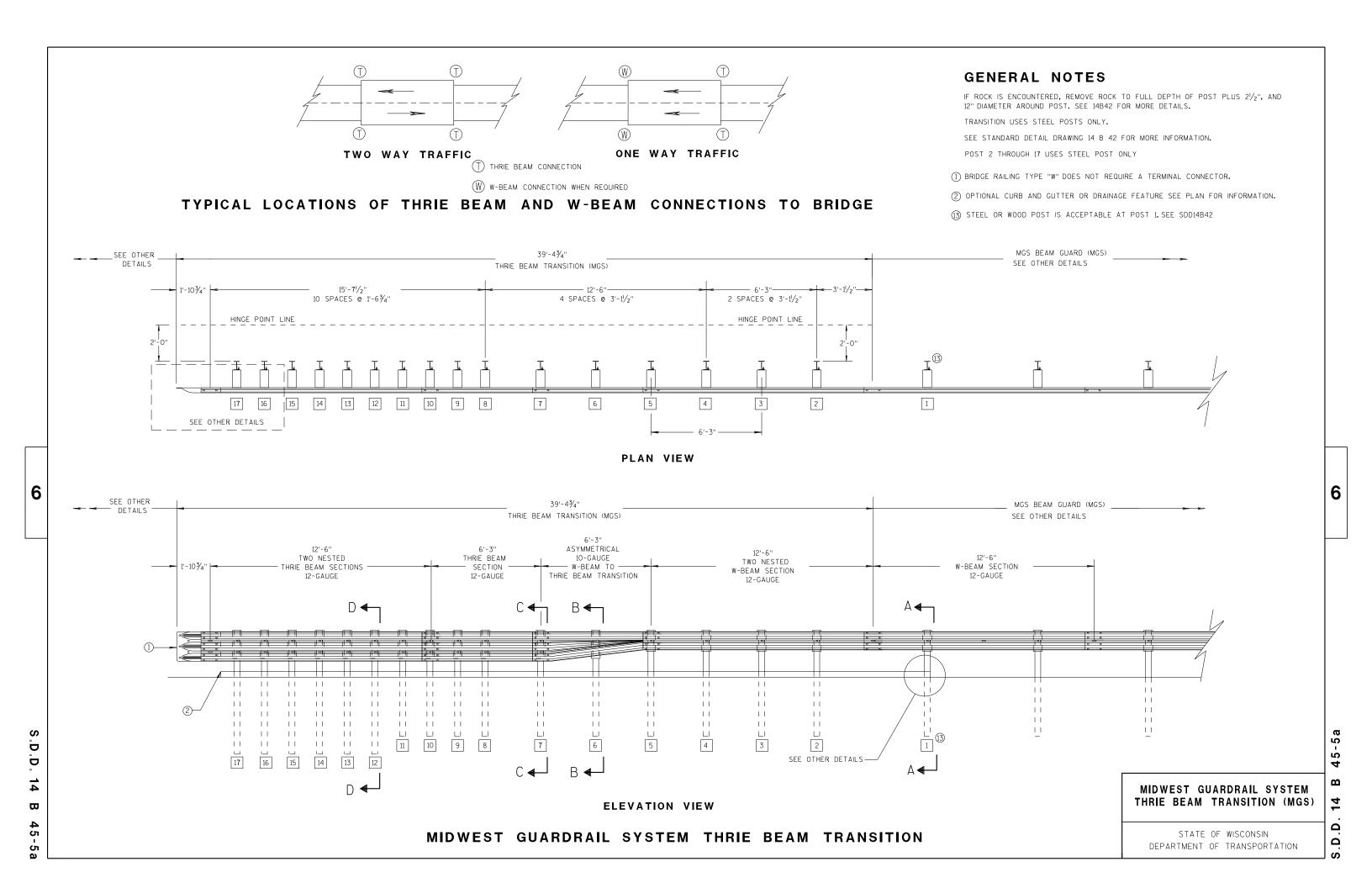
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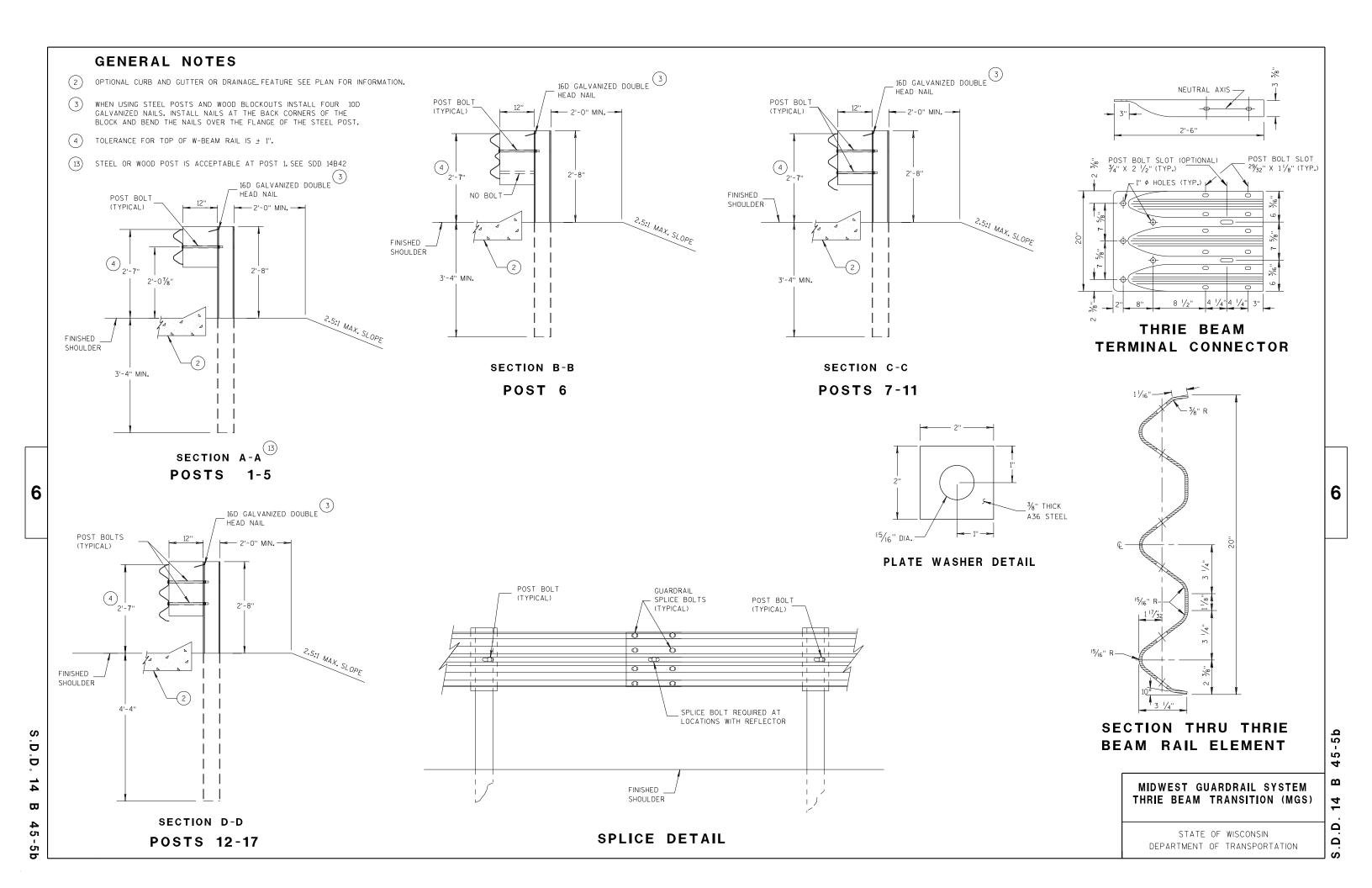
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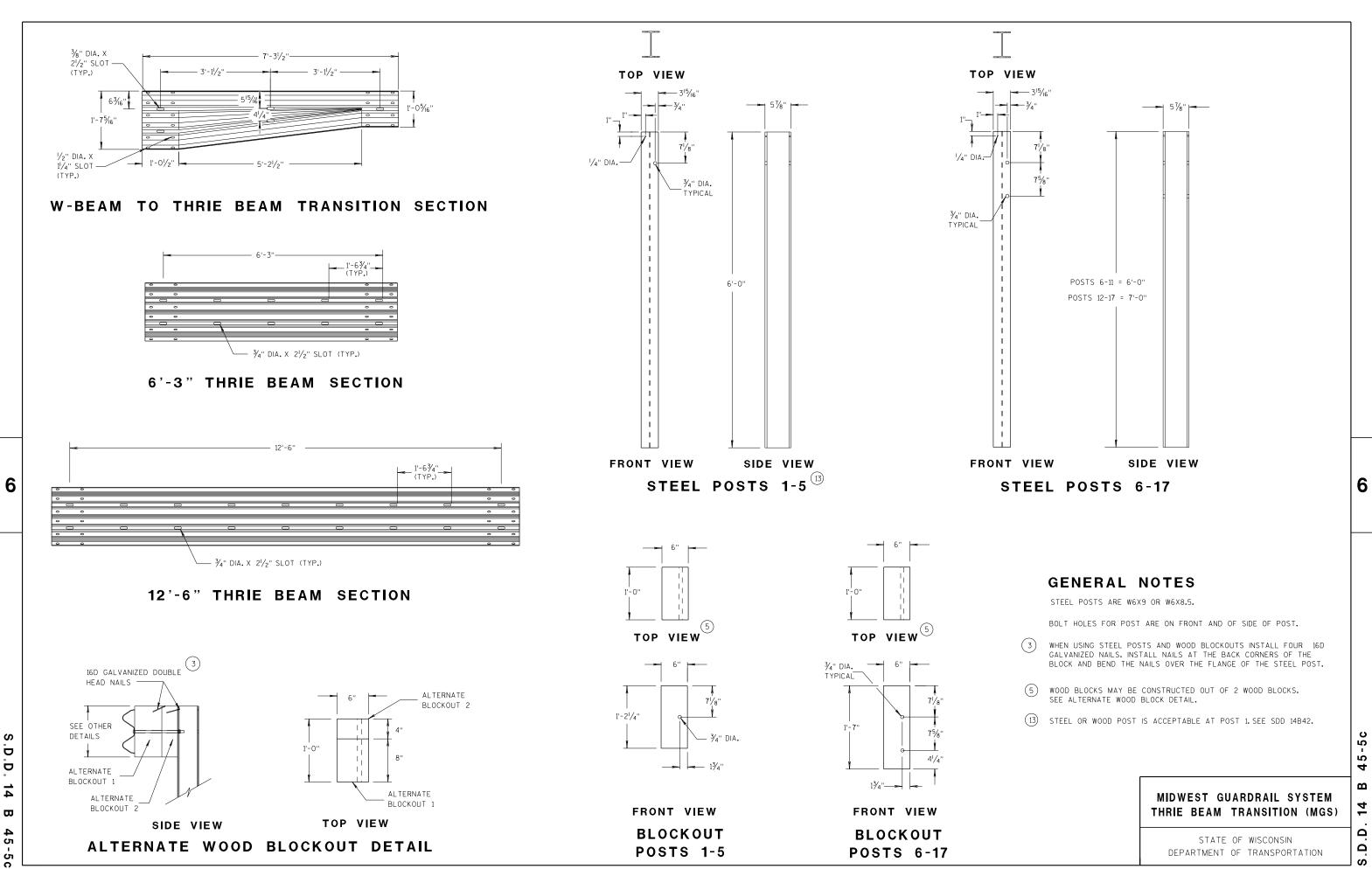
SDD

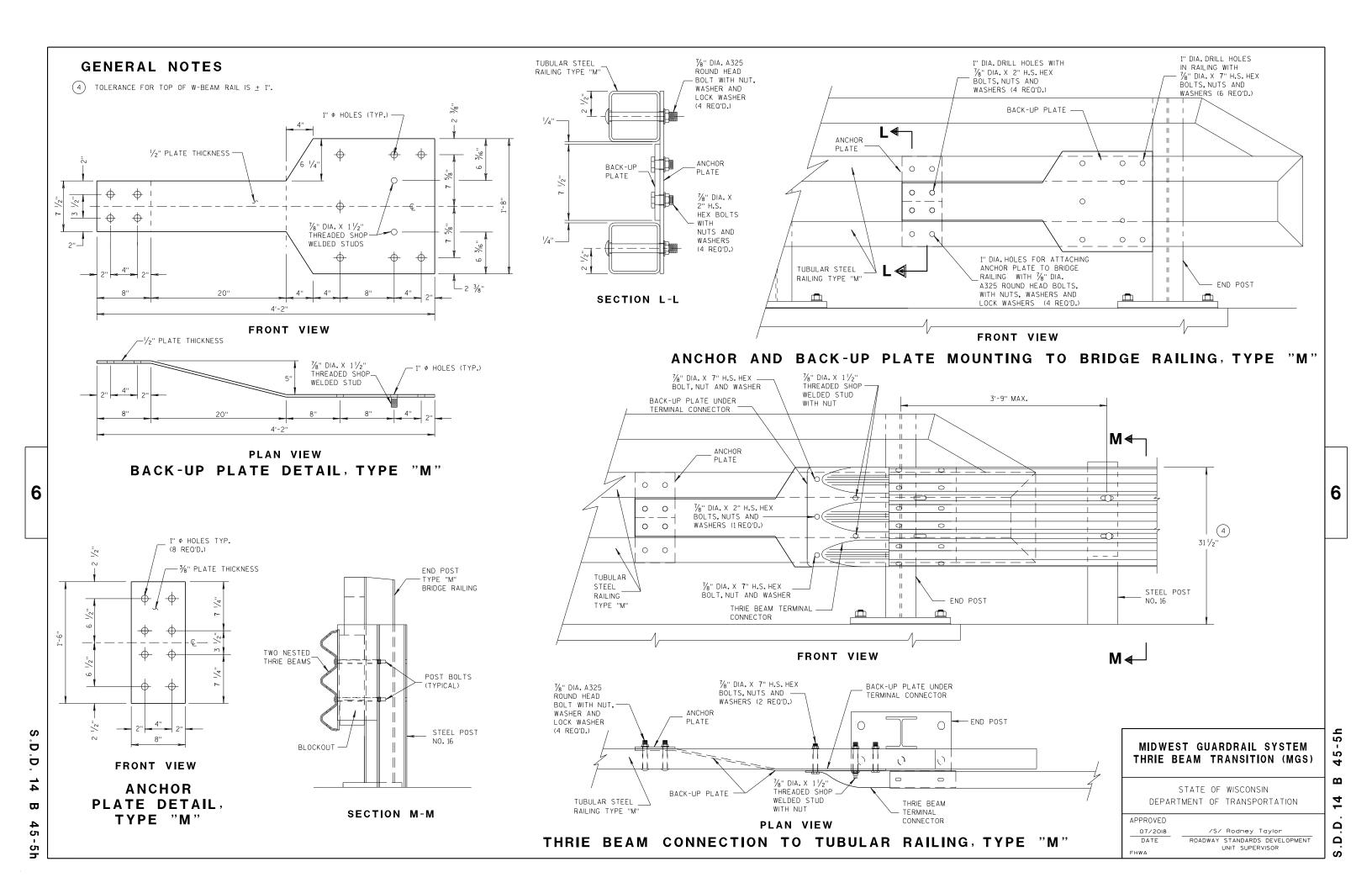
SDD 14B44 - 04

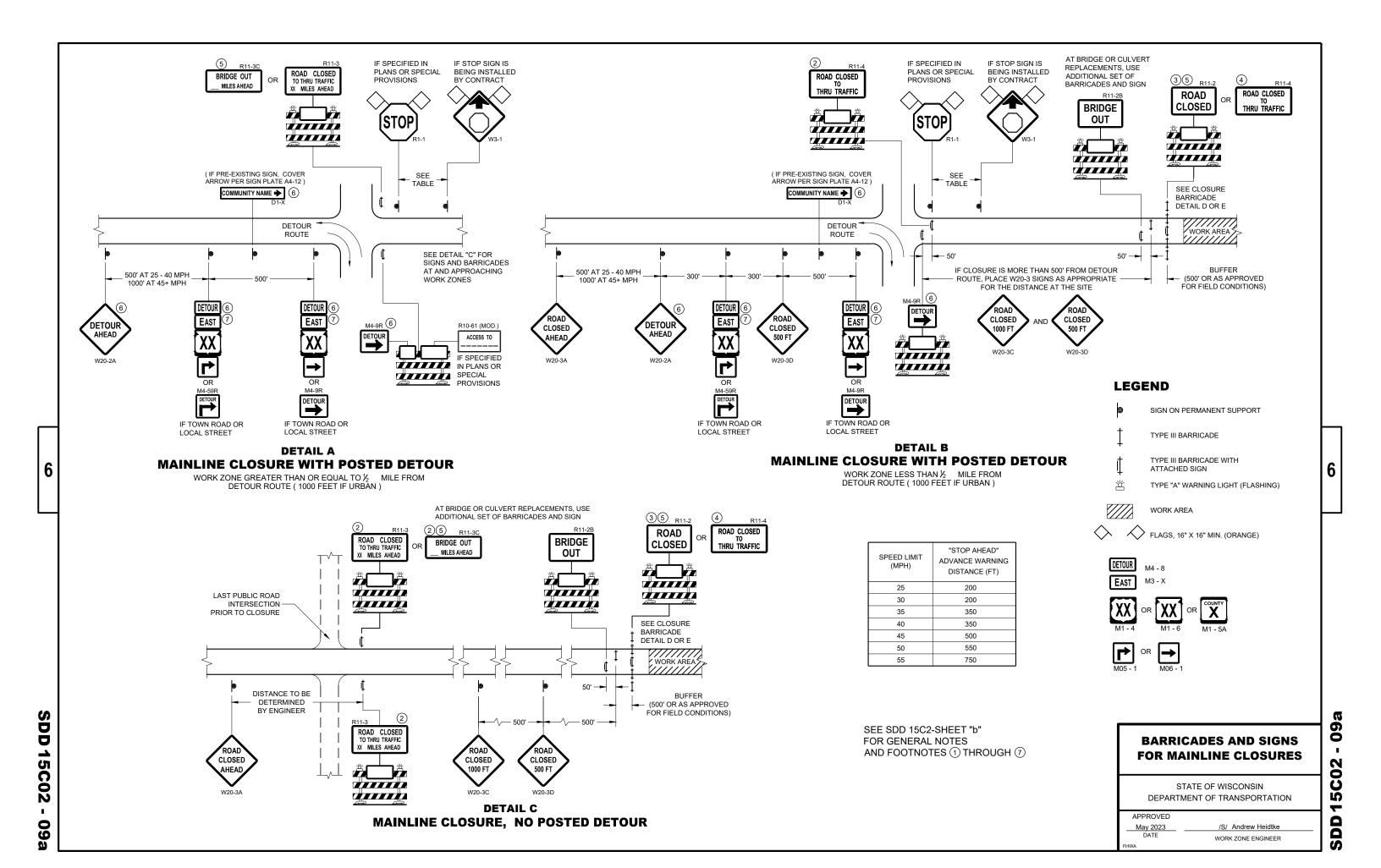


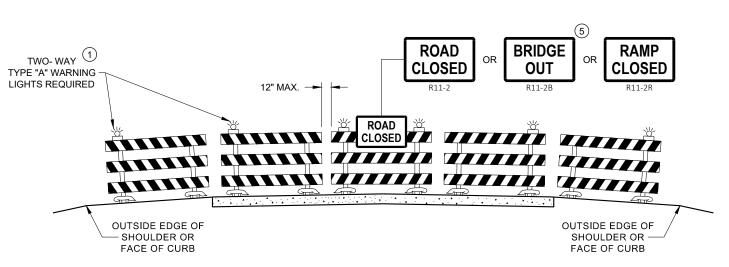




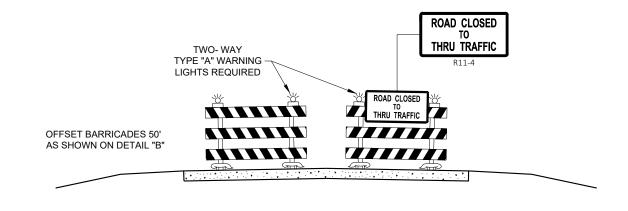








DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



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"

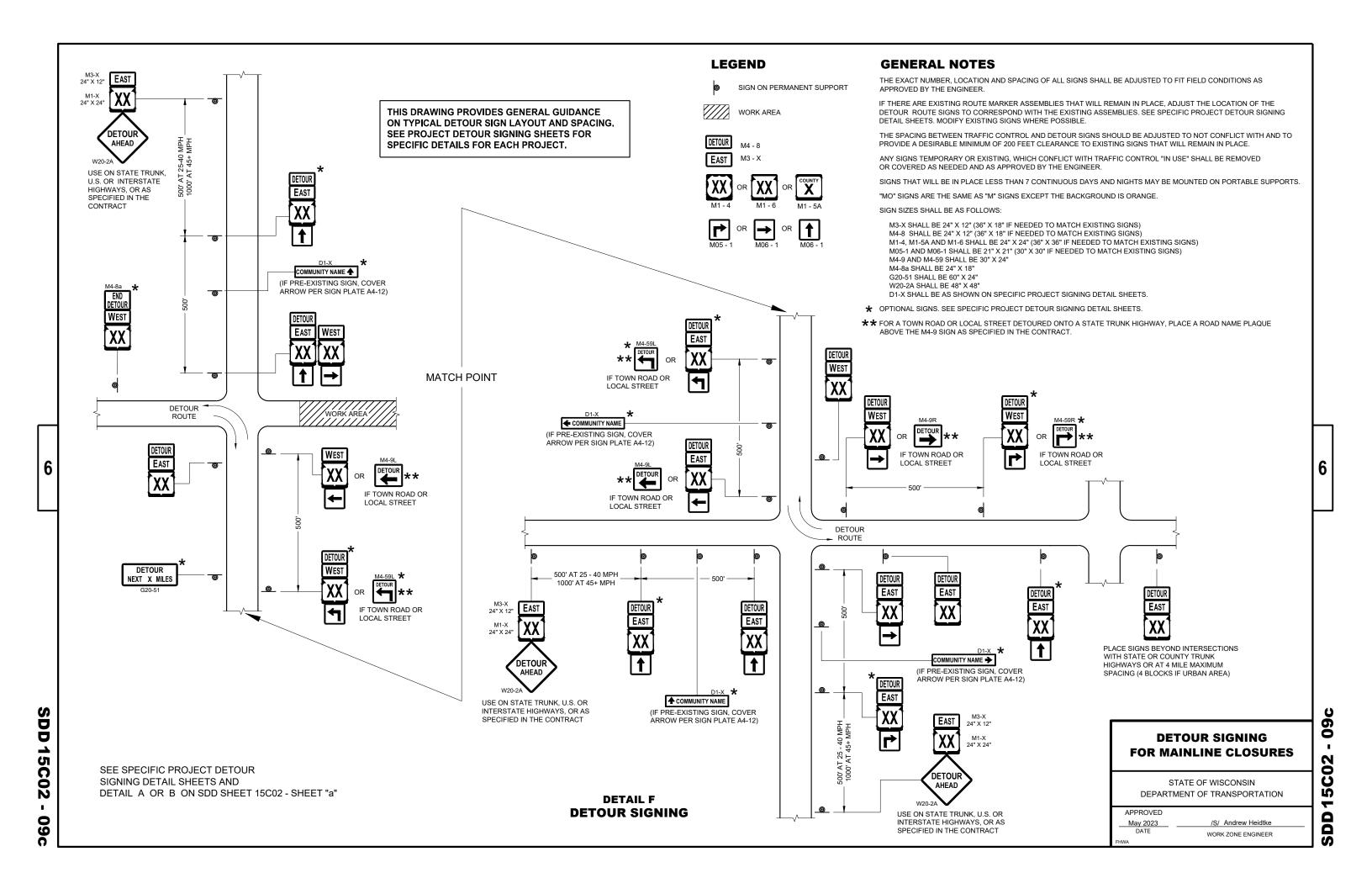
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS 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.

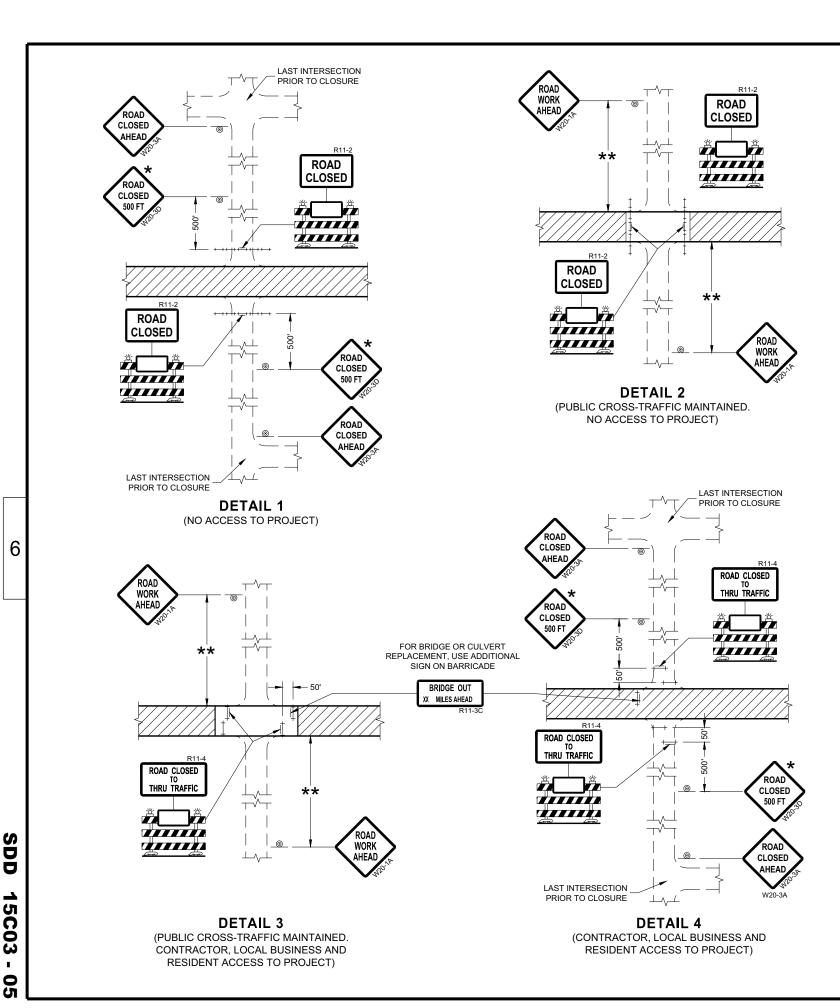
BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE WORK ZONE ENGINEER

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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**

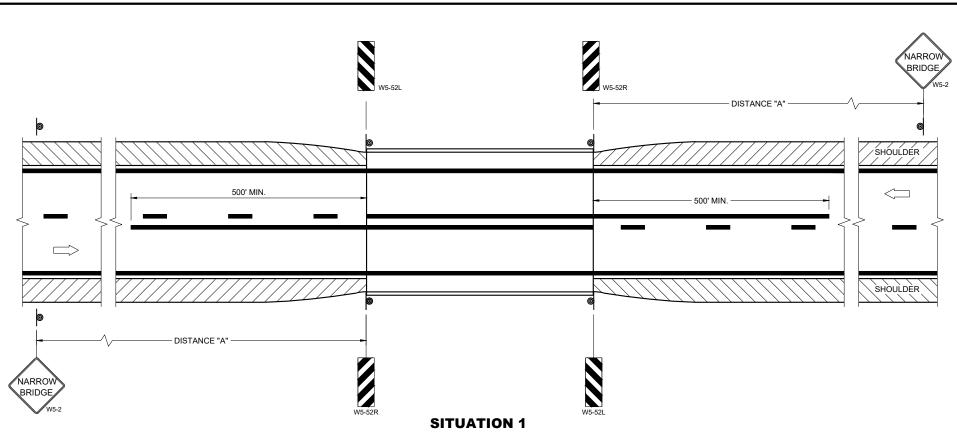
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

S



SDD 15C06-12



WARRANTING CRITERIA: BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

OR SHOULDER SHOULDER WS-52R WS-52L

SITUATION 2

WARRANTING CRITERIA: 1. BRIDGE WIDTH IS AT LEAST 24 FEET <u>AND</u> 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

SDD

15C06-12

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

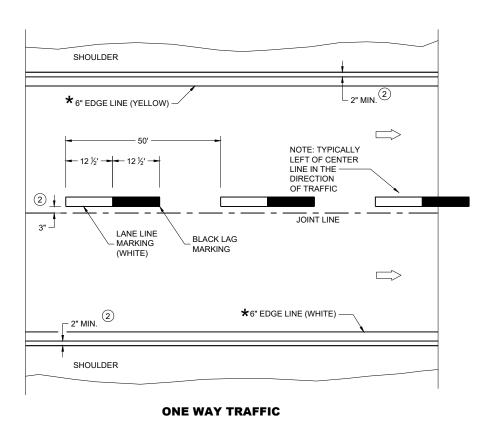
DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

SIGNING AND MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2023	/S/ Jeannie Silver
DATE	Statewide Pavement Marking Engineer
FHWA	



PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- (2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL **PAVEMENT MARKINGS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

May 2023 DATE

/S/ Jeannie Silver Statewide Pavement Marking Engineer

6

SDD

C08-23 Ŋ SD

15C08-23a





RURAL AREA (See Note 2)



GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 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" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. __A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



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



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

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





2'Min - 4'Max (See Note 6)



	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)	
	L	E
***	Greater than 48" Less than 60"	12''
	60" to 108"	L/5

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CHEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

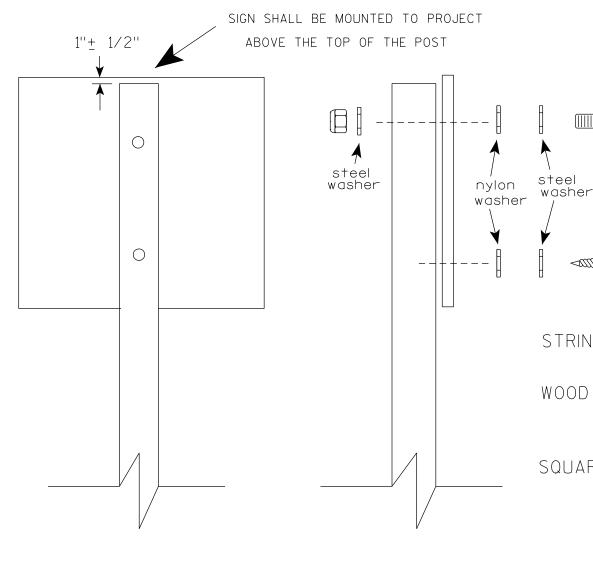
COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

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



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. X³/₈" I.D. X¹/₁₆" 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

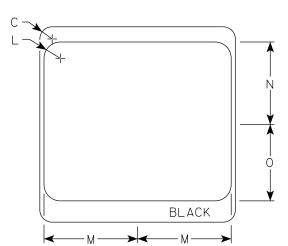
Ε

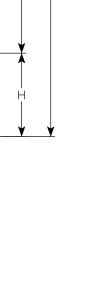
NOTES

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

Background - White & Black Message – Black

- 3. Message Series see Note 4
- 4. Message Series E for 1 letter. Message Series D for 2 letters unless message is too big then Series C. Message Series C for 3 letters unless message is too big then Series B.
- 5. Substitute appropriate letters & optically center to achieve proper balance.

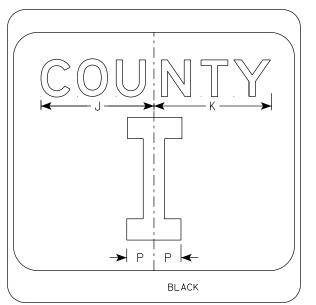


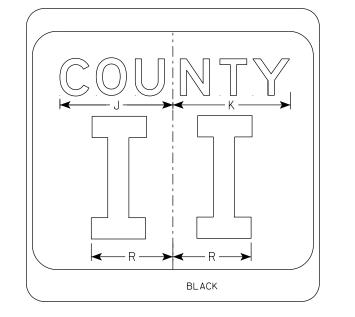


BLACK

HWY:

M1-5A





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Χ	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

COUNTY:

CTH MARKER M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 11/8/2022

PLATE NO. M1-5A.9

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn

PROJECT NO:

PLOT DATE: 8-NOV 2022 8:26

PLOT BY : dotc4c

PLOT NAME :

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

1. All Signs Type II - Type H Reflective

NOTES

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

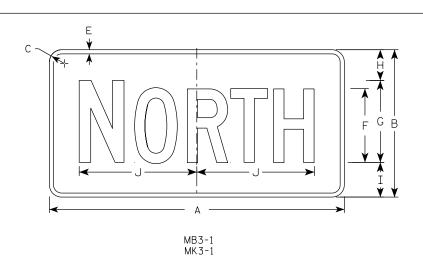
MN3-1 thru MN3-4 Background - Brown

Message - White

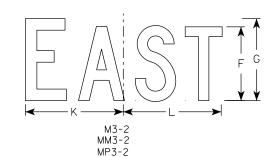
MP3-1 thru MP3-4 Background - White

Message - Blue

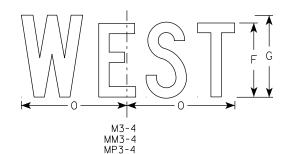
6. Note the first letter of each direction is larger than the remainder of the message.



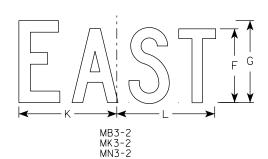
M3-1 MM3-1 MP3-1

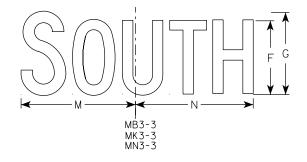


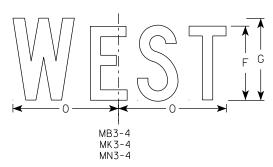
MM3-3



HWY:







SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	w	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	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												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4 2	3/4 10) 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5

COUNTY:

STANDARD SIGNS M3-1 THRU M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 2/8/2023

PLATE NO. <u>M3-1.1</u>5

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M31.dgn

PROJECT NO:

PLOT DATE: 8-FEB 2023 11:00

PLOT BY : dotc4c

PLOT NAME :

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

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

Background - Orange Message - Black

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

$\begin{array}{c c} & & & \\ \downarrow & & \downarrow \\ \hline & & & \\ \hline & & & \\ \end{array}$	G	
		3
M4-8	>	<u>, </u>

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	┙	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Υ	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

COUNTY:

STANDARD SIGN M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

DATE 2/9/2023 PLATE NO. M4-8.4

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-FEB 2023 7:38

PLOT BY : dotc4c

PLOT NAME :

SHEET NO: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

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.

C	<u> </u>
	G
	F G
M4-8A	→

SIZE	А	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																											
2	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48A.dgn

PROJECT NO:

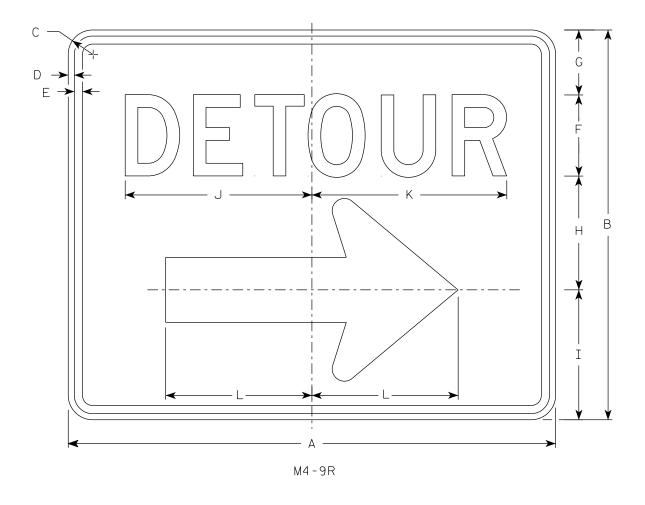
PLOT DATE: 9-FEB 2023 8:03

PLOT BY : dotc4c

PLOT NAME :

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

HWY:

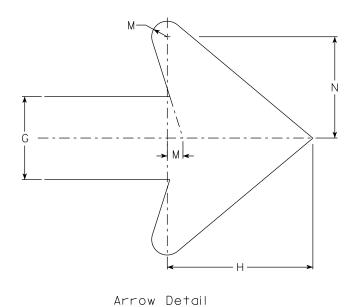


NOTES

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

Background - Orange Message - Black

- 3. Message Series D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M4-9L is the same as M4-9R except the arrow is reversed.



SIZE	А	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																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 1/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 1/8													5.00
4	48	36	1 1/8	1/2	5/8	8	6	10 1/2	11 5/8	20 %	20 1/2	13 1/4	1 1/8	6 %													12.0
5	48	36	1 1/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 1/8													12.0

COUNTY:

STANDARD SIGN M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe

Forstate Traffic Engineer

8/2023 PLATE NO. M4-9R.6

DATE <u>2/9/2023</u>

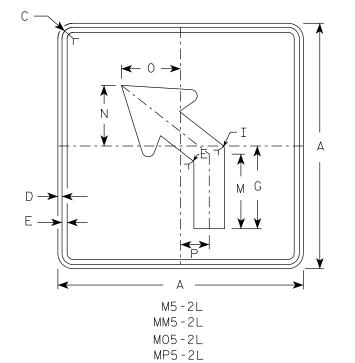
SHEET NO:

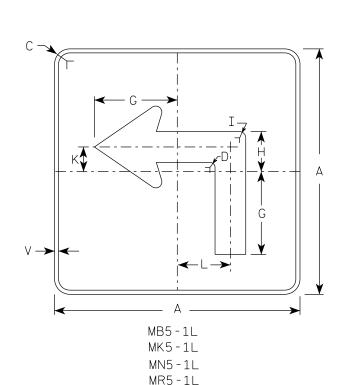
Ε

HWY:

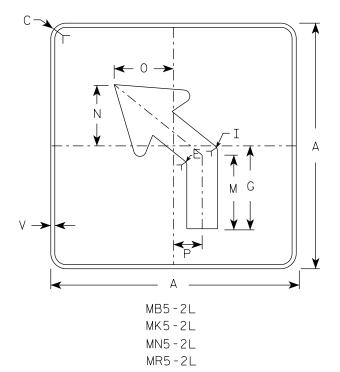
PROJECT NO:

M5-1L MM5-1L M05-1L MP5-1L





HWY:



NOTES

- 1. Signs are Type II Type H reflective except as shown

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.
- M5-1 and M5-2 Background White Message – Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

M05-1 and M05-2 Background - Orange - Type F Reflective

Message - Black

MP5-1 and MP5-2 Background - White

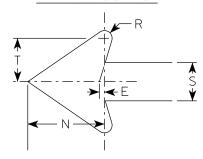
Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



PLOT NAME :

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2	3		1/2					3.06
3	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

COUNTY:

STANDARD SIGN M5 - 1 & M5 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M51.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 10:05

PLOT BY : dotc4c

- 1. Signs are Type II Type H Reflective except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

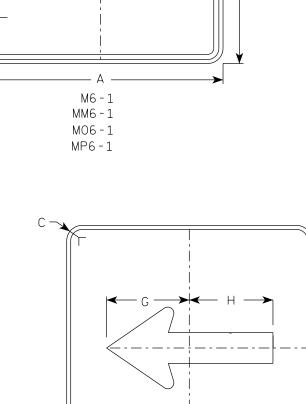
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



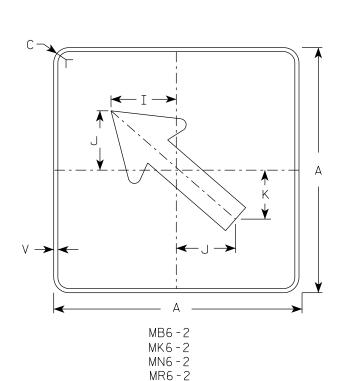
MB6-1

MK6-1

MN6 - 1

MR6-1

HWY:



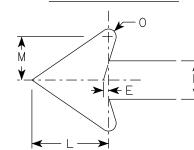
M6-2

MM6 - 2

MO6-2

MP6-2

ARROW DETAIL



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/13/2023 PLATE NO. M6-1.16 SHEET NO:

For State Traffic Engineer

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M61.dgn

PROJECT NO:

 $\vee \longrightarrow$

PLOT DATE: 13-FEB 2023 1:30

PLOT BY : dotc4c

PLOT NAME :

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

Ε



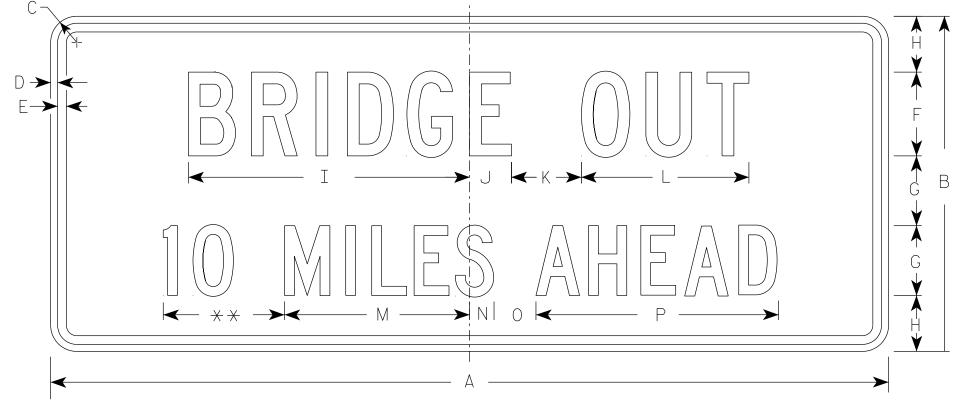
- 1. Sign is Type II Type H Reflective
- 2. Color:

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

SIZE Α В D Q R U 36 15 1 1/2 1/25/8 2 1/2 13 1/4 2 1/4 3 1 1/2 2 10 3/4 7 1/8 3.75 1 1/8 5/8 13 1/4 1 3/4 $17 \frac{3}{8}$ 11 1/8 10.0 60 24 1/2 5 20 1/8 3 5 12 2M 1 1/8 5/8 60 24 13 1/4 1 3/4 $17 \frac{3}{8}$ 1/2 20 1/8 3 5 12 $11 \frac{7}{8}$ 10.0 3 4

STANDARD SIGN R11-3C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Lauch
For State Traffic Engineer

DATE <u>2/5/24</u>

PLATE NO. R11-3C.4

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.dgn

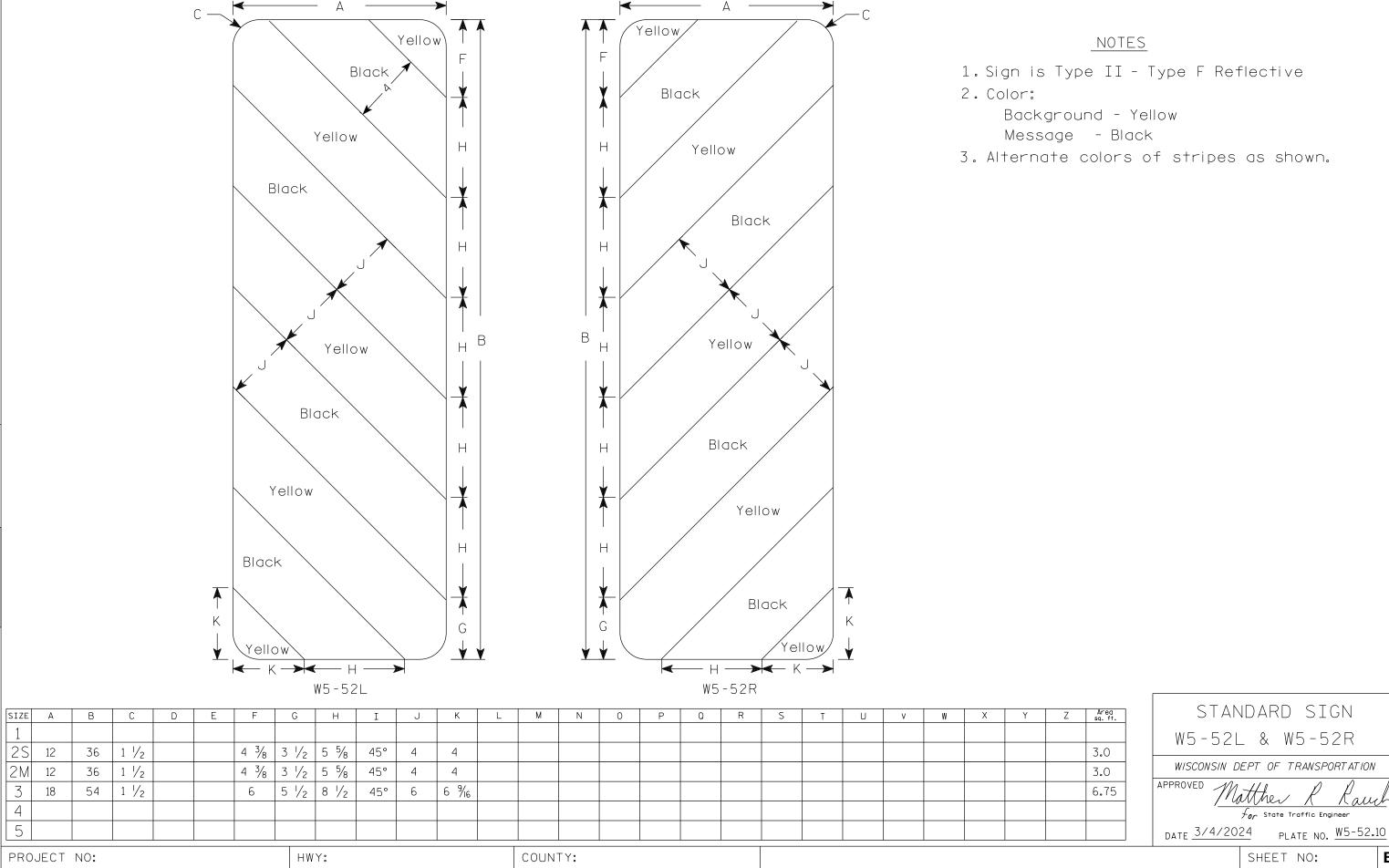
PROJECT NO:

PLOT DATE : 5-FEB 2024 2:52

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42

Ε



PLOT DATE: 4-MARCH 2024 11:57 PLOT NAME : PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42 PLOT BY : dotc4c

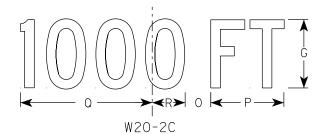


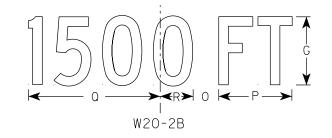
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

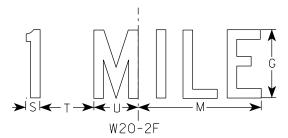
- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D.
 Line 2 is Series D for AHEAD and
 Series C for all other distances.

S N O P
W20-2D









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.
	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
25	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0

COUNTY:

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

DATE 1/10/2024 PLATE NO. W20-2.7

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN

PROJECT NO:

PLOT DATE: 10-JAN 2024 11:36

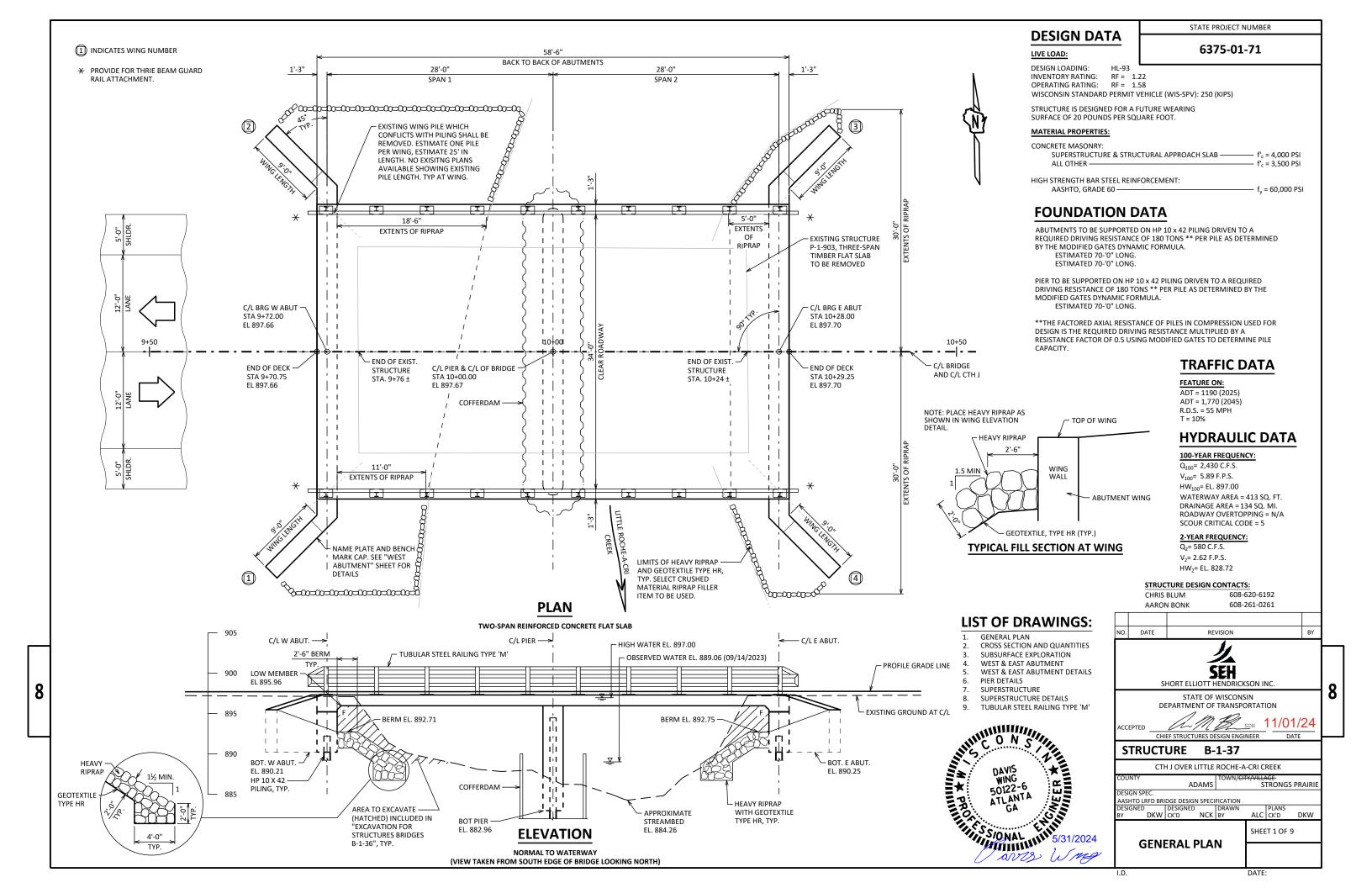
PLOT BY : dotc4c

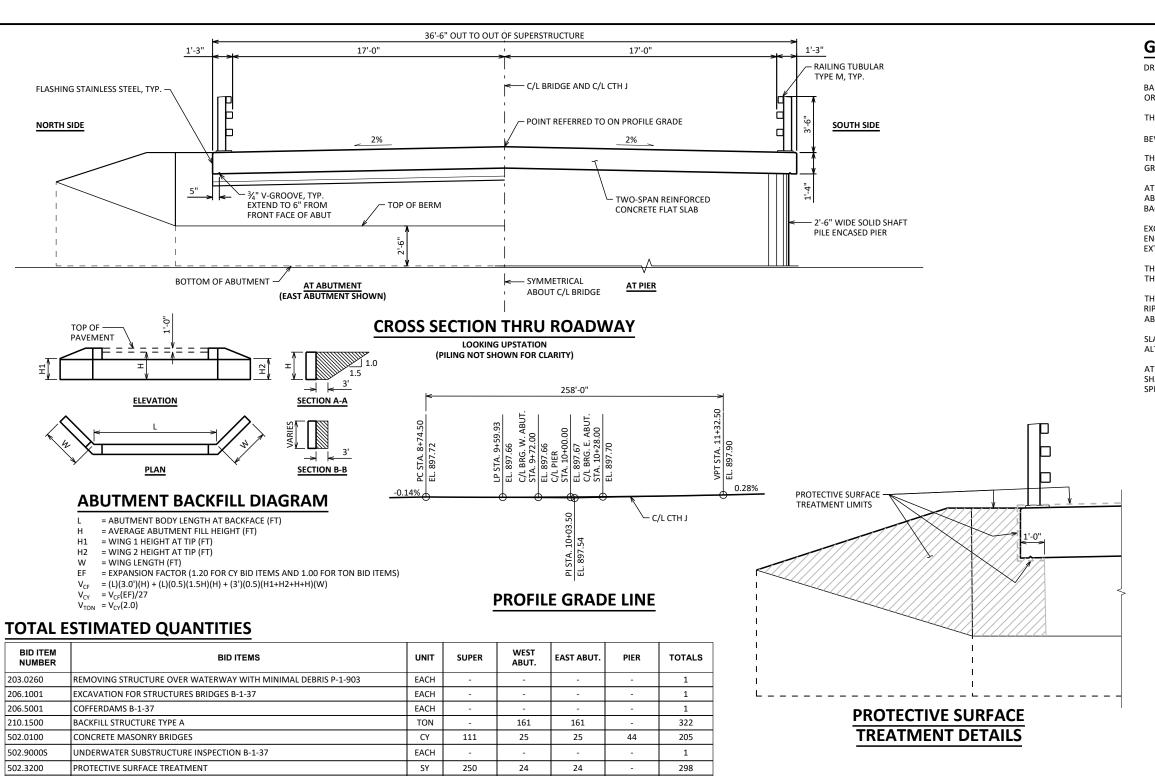
PLOT NAME :

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

W20-2A

HWY:





BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	WEST ABUT.	EAST ABUT.	PIER	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS P-1-903	EACH	-	-	-	-	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-1-37	EACH	-	-	-	-	1
206.5001	COFFERDAMS B-1-37	EACH	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	161	161	-	322
502.0100	CONCRETE MASONRY BRIDGES	CY	111	25	25	44	205
502.9000S	UNDERWATER SUBSTRUCTURE INSPECTION B-1-37	EACH	-	-	-	-	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	250	24	24	-	298
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	2340	2340	1950	6630
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	21500	1520	1520	70	24610
513.4061	RAILING TUBULAR TYPE M	LF	121	-	-	-	121
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	40	40	-	80
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	-	560	560	420	1540
606.0300	RIPRAP HEAVY	CY	-	95	40	-	135
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	80	80	-	160
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	39	39	-	78
645.0120	GEOTEXTILE TYPE HR	SY	-	155	72	-	227
SPV.0090.01	FLASHING STAINLESS STEEL	LF	117	-	-	-	117
SPV.0090.02	REMOVING EXISTING TIMBER PILING	LF	-	50	50	-	100
SPV.0195.01	SELECT CRUSH MATERIAL RIRRAP FILLER	TON	-	30	12	-	42
	NON-BID ITEMS						
	FILLER	SIZE					½" & ¾"
	NAMEPLATE	EACH					1
	BENCHMARK	EACH					1

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

6375-01-71

STATE PROJECT NUMBER

DE EMBEDDED 3" CLEAR LINI ESS OTHERWISE SHOWN

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-1-37" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

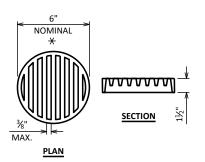
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

AT ABUTMENTS AND PIER, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

BENCH MARK

NO.	STATION / OFFSET	DESCRIPTION	ELEV.
BM2	8+66.96 / 36.84' RT	SPIKE IN PPOL	892.96'
BM1	11+48.96 / 36.77' RT	SPIKE IN PPOL	896.38'



RODENT SHIELD DETAIL

★ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-1-37 DRAWN BY ALC CK'D DKW CROSS SECTION AND QUANTITIES

TYPICAL SECTION THRU ABUTMENT

- ROADWAY

PAVEMENT

11.0

- PAY LIMITS OF BACKFILL **A**

BACKFILL STRUCTURE TYPE A

ROADWAY

"GEOTEXTILE TYPE DF SCHEDULE A" LIMITS. EXTEND 2'-0" ABOVE

BRIDGE

SUPERSTRUCTURE

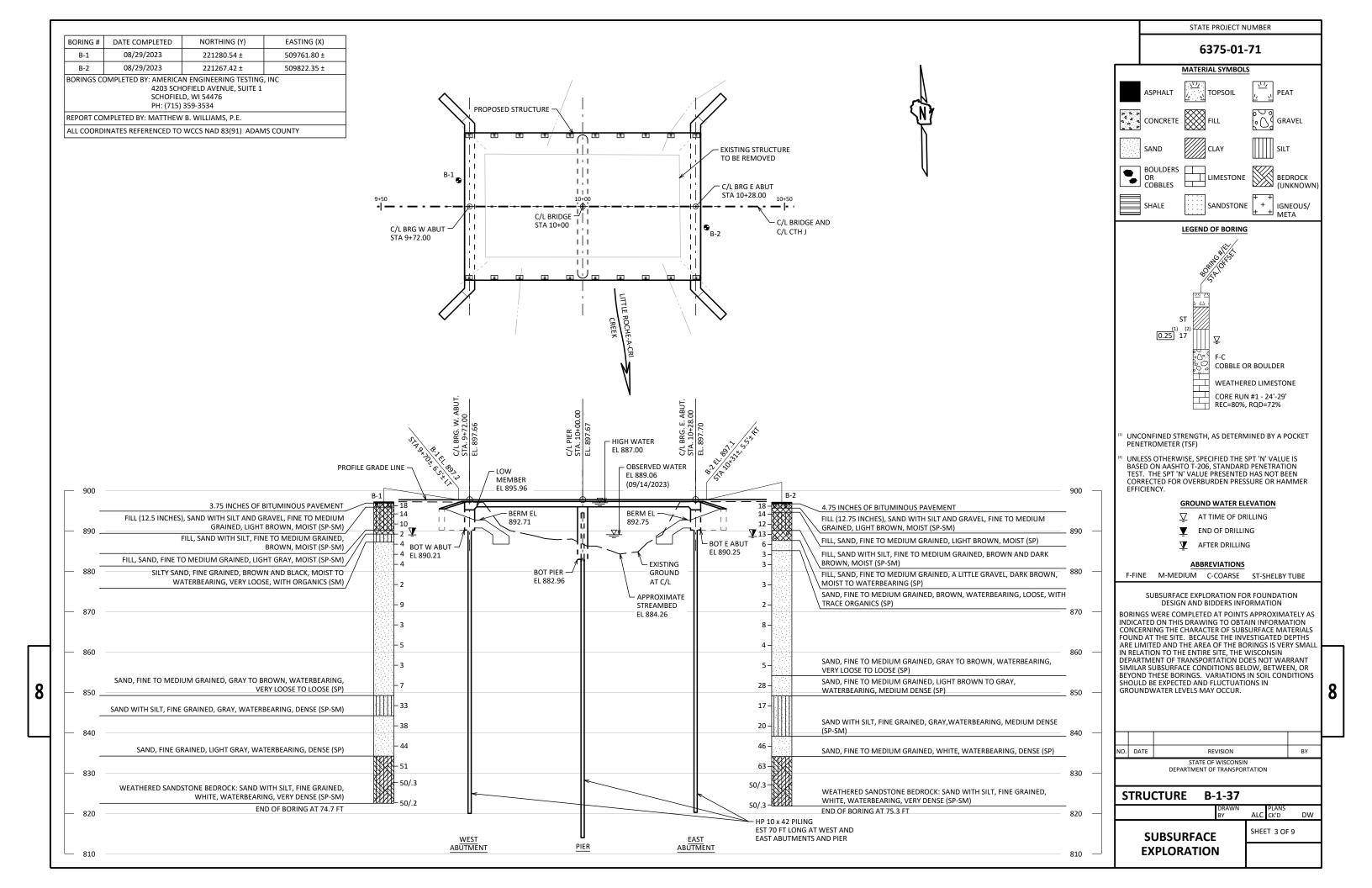
ABUTMENT

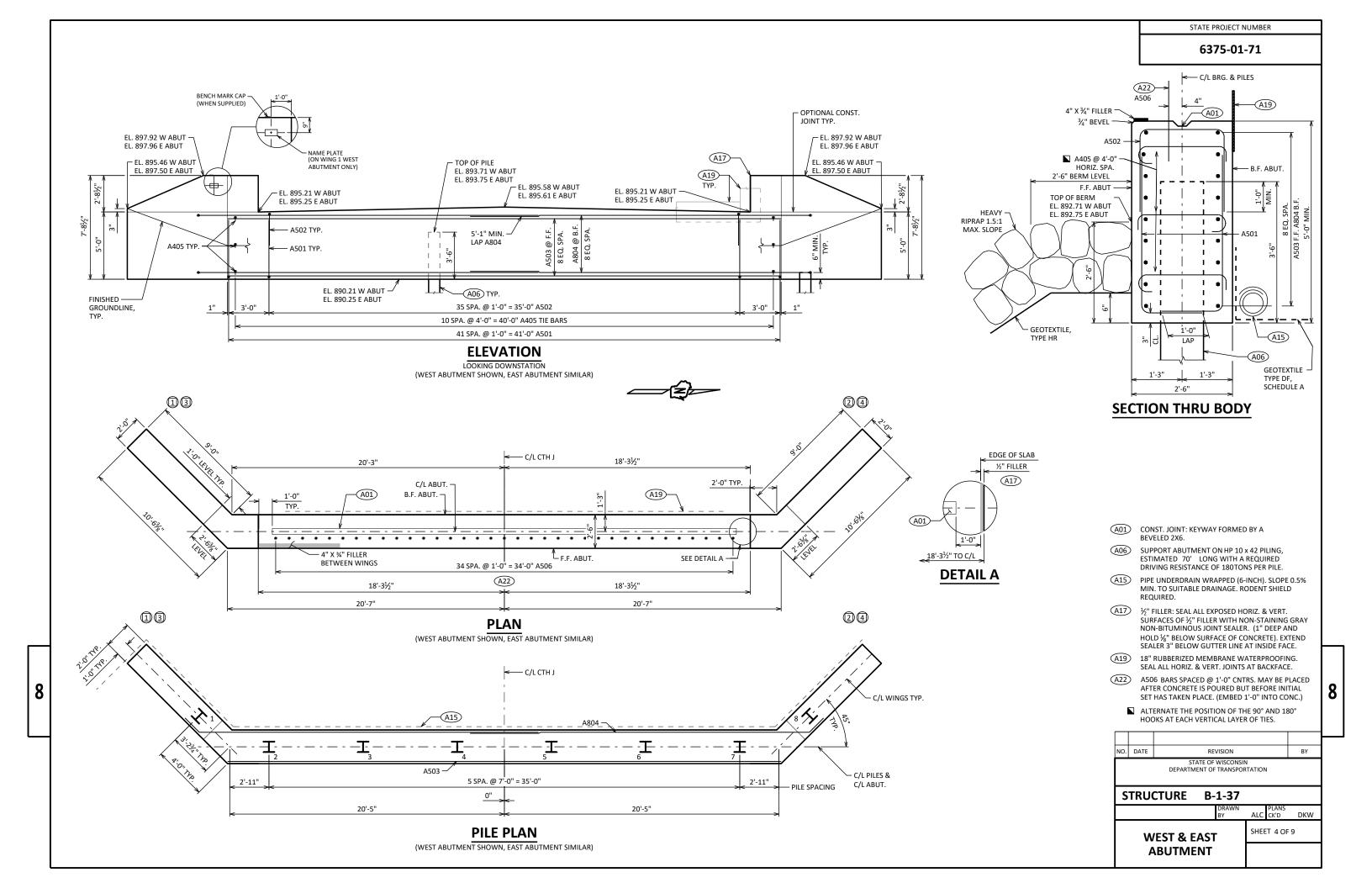
BACKFACE

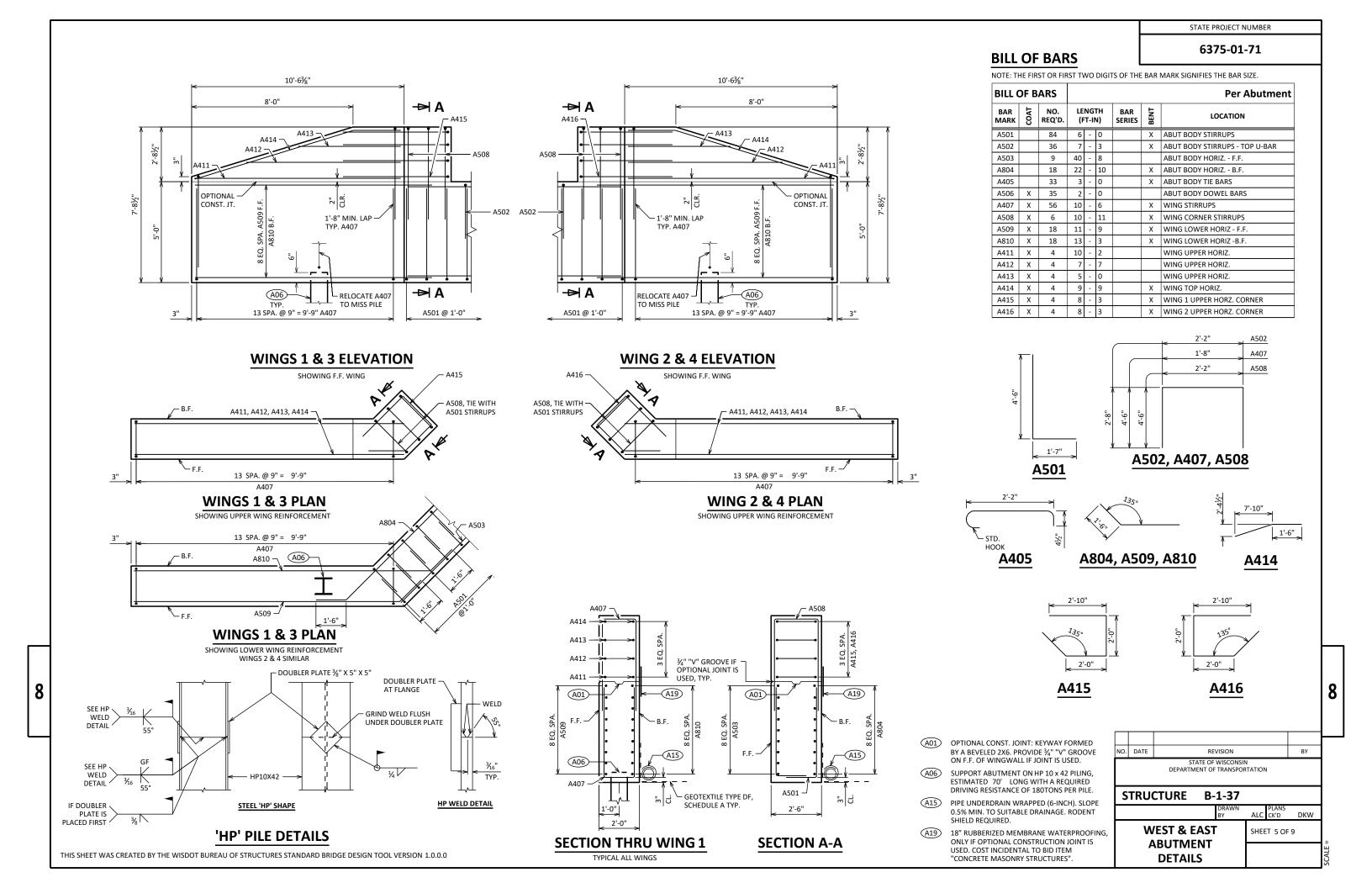
- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

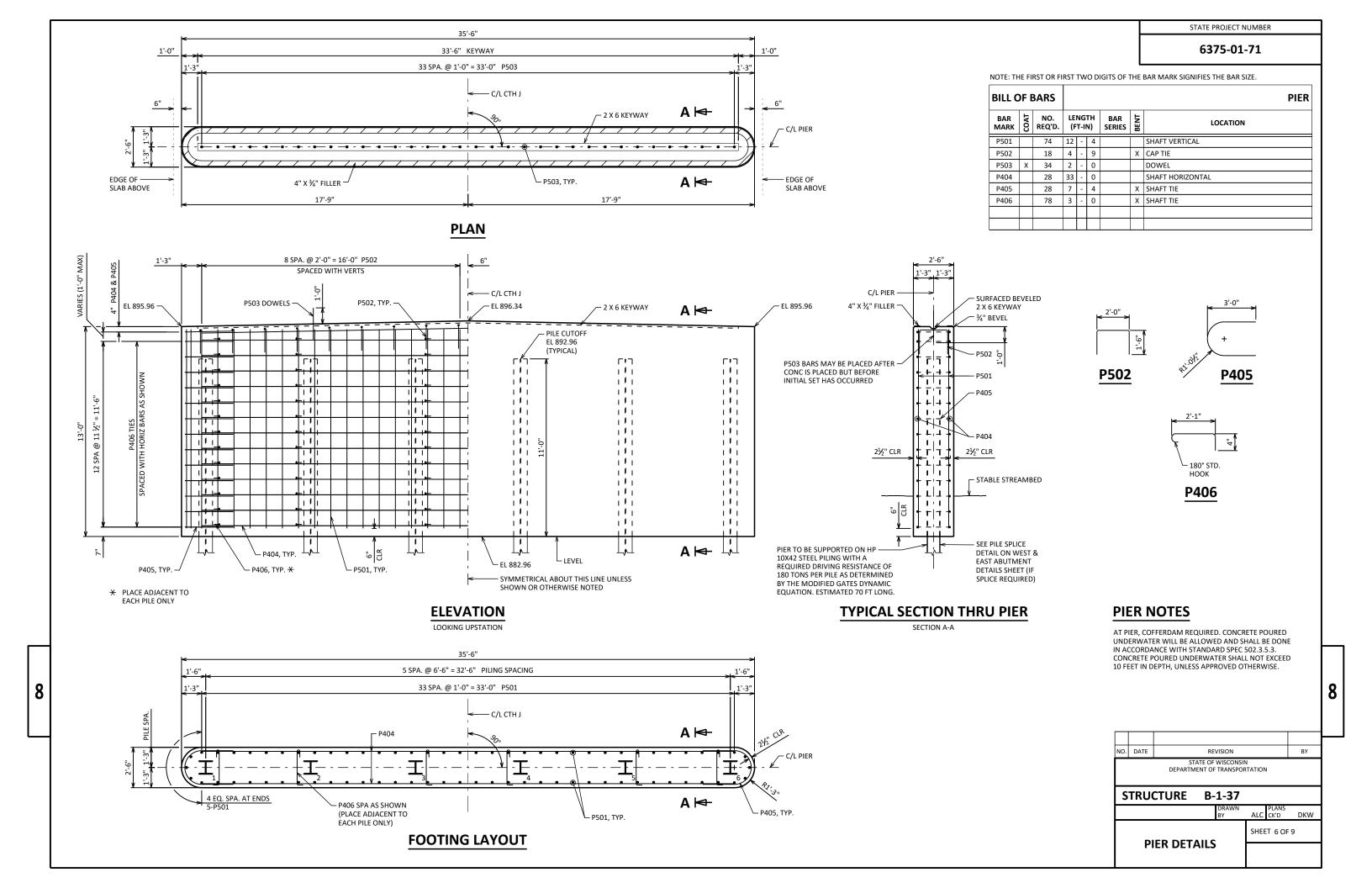
8

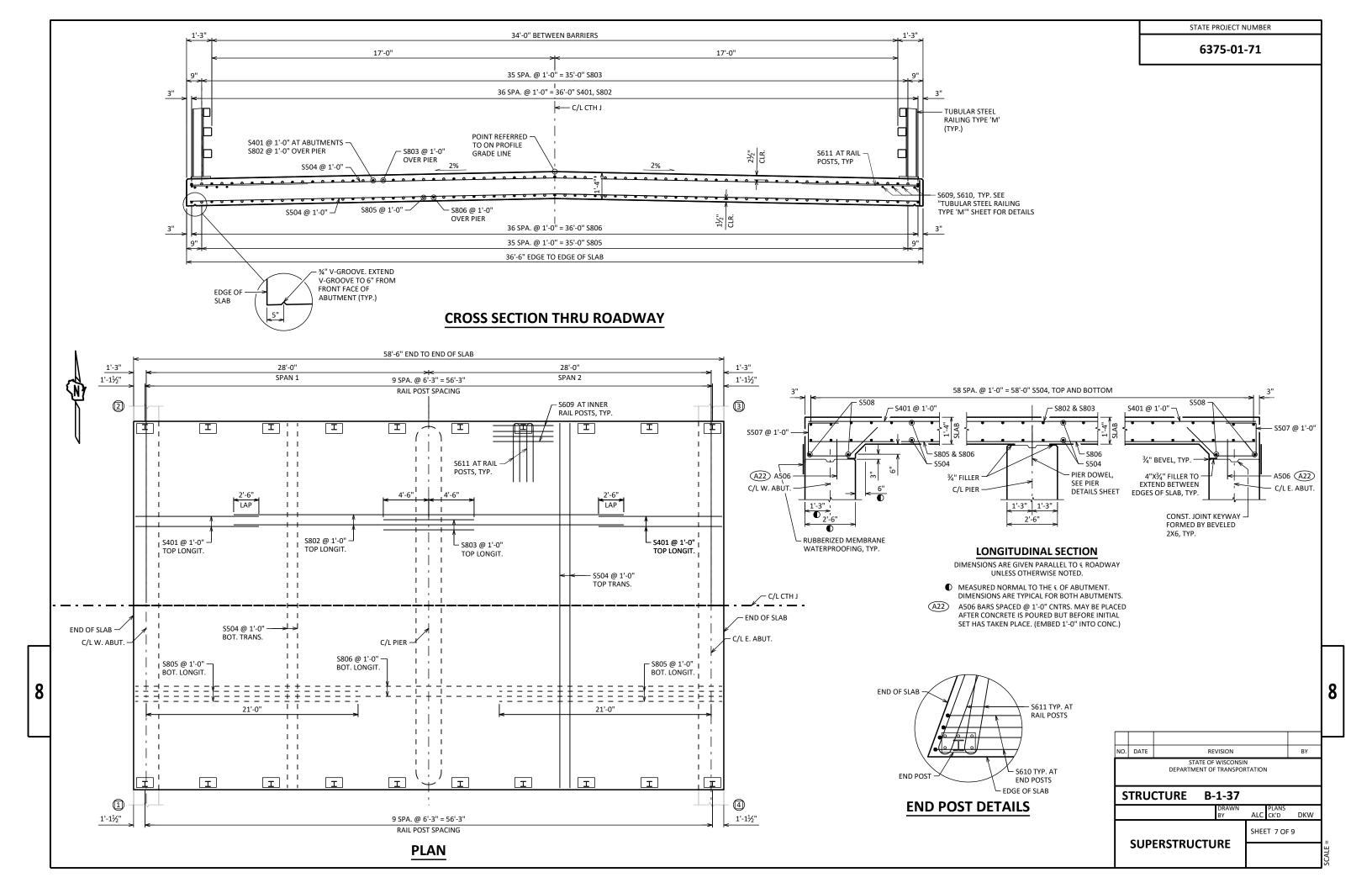
8





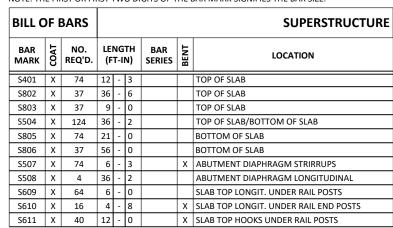


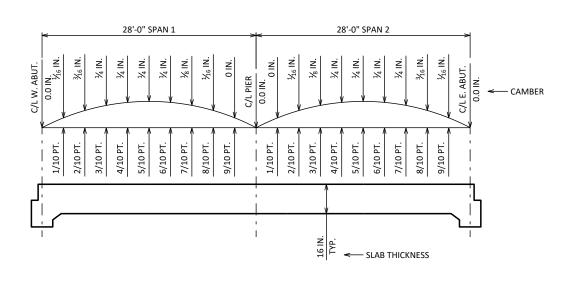




6375-01-71

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.





CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB

PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

TOP OF SLAB ELEVATION AT FINAL GRADE

LESS SLAB THICKNESS

PLUS CAMBER

US FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)

ALS TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

SPAN	LOCATION	C/L BRG. W. ABUT	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L PIER
	N. EDGE OF DECK	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.31	897.31
1	CROWN	897.66	897.66	897.66	897.66	897.66	897.67	897.67	897.67	897.67	897.67	897.67
	S. EDGE OF DECK	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.30	897.31	897.31

SPAN	LOCATION	C/L PIER	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L BRG. E. ABUT
	N. EDGE OF DECK	897.31	897.31	897.31	897.31	897.32	897.32	897.32	897.32	897.33	897.33	897.33
2	CROWN	897.67	897.67	897.68	897.68	897.68	897.68	897.69	897.69	897.69	897.69	897.70
	S. EDGE OF DECK	897.31	897.31	897.31	897.31	897.32	897.32	897.32	897.32	897.33	897.33	897.33

SURVEY TOP OF SLAB ELEVATIONS

2'-0"

S507

S610

S611

LOCATION	ABUTMENT	5/10 PT.	PIER	5/10 PT.	ABUTMENT
N. GUTTER					
CROWN OR R/L					
S. GUTTER					

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR C/L. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

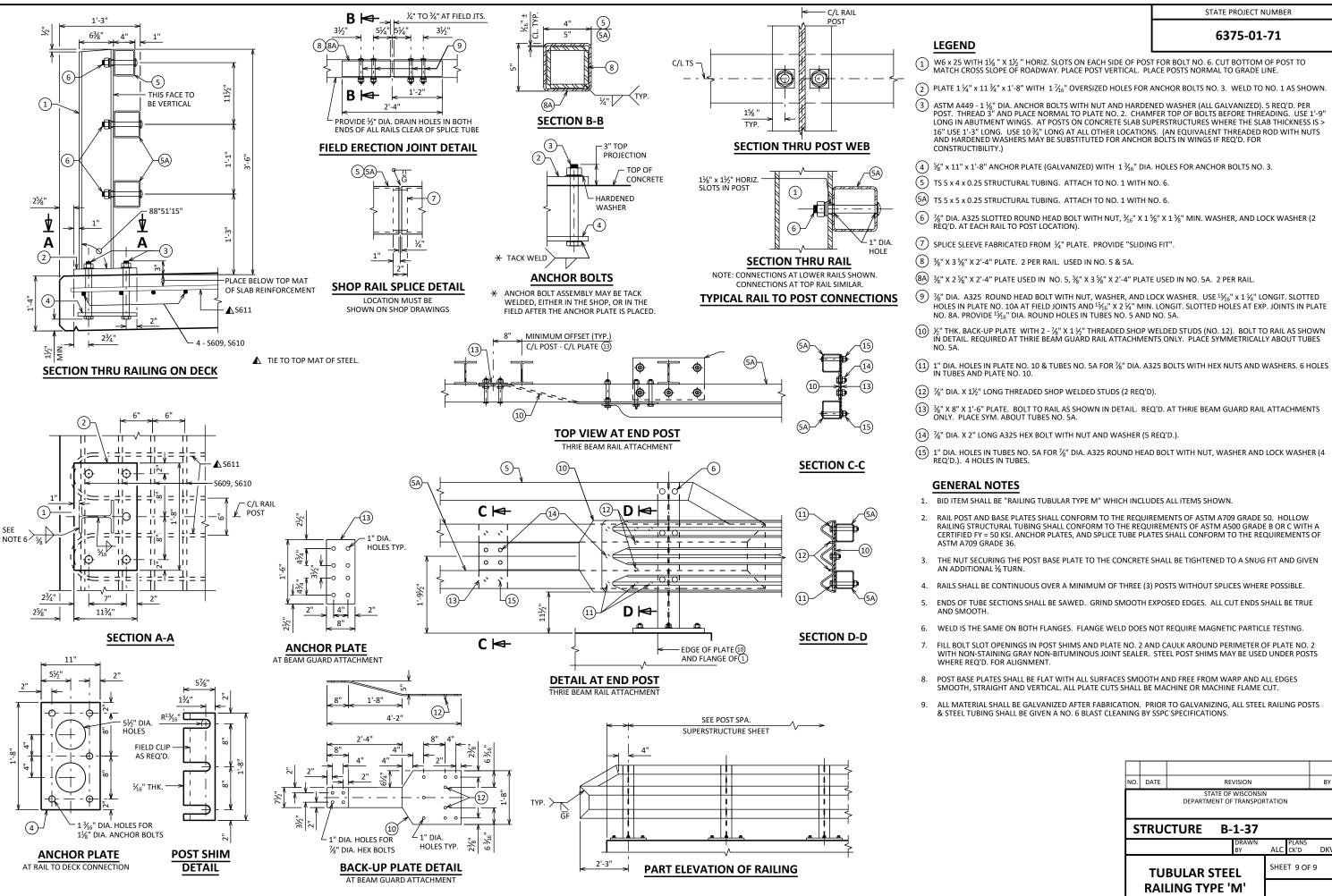
NOTES

FILL IN THE TABLE OF "SURVEY TOP OF SLAB ELEVATIONS" FOR EACH SPAN ON $\underline{\mathsf{AS}}$ BUILT PLANS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

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	NO.	DATE		RE	VISION			BY	Г
R					WISCONSII TRANSPOR		١		
	s	TRU	CTURE	В-					1
LY					DRAWN BY	ALC	PLANS CK'D	DKW	
		SUP	ERSTRU(CTL	JRE	SHEE	T 8 OF	9],
			DETAIL	S					SCALE



6375-01-71

3 ASTM A449 - 1 1/8" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. USE 1'-9" LONG IN ABUTMENT WINGS. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG. USE 10 $\frac{3}{4}$ " LONG AT ALL OTHER LOCATIONS. (AN EQUIVALENT THREADED ROD WITH NUTS AND HARDENED WASHERS MAY BE SUBSTITUTED FOR ANCHOR BOLTS IN WINGS IF REQ'D. FOR

9 %" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE $^{15}\!\!\!/_{16}$ " x 1 $^{14}\!\!\!/_{1}$ " LONGIT. SLOTTED HOLES IN PLATE NO. 10A AT FIELD JOINTS AND $^{15}\!\!/_6$ " X 2 14 " MIN. LONGIT. SLOTTED HOLES AT EXP. JOINTS IN PLATE

(10) %" THK. BACK-UP PLATE WITH 2 - %" X 1 %" THREADED SHOP WELDED STUDS (NO. 12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES

15 1" DIA. HOLES IN TUBES NO. 5A FOR 7/8" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER AND LOCK WASHER (4

RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW
RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A
CERTIFIED FY = 50 KSI. ANCHOR PLATES, AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF

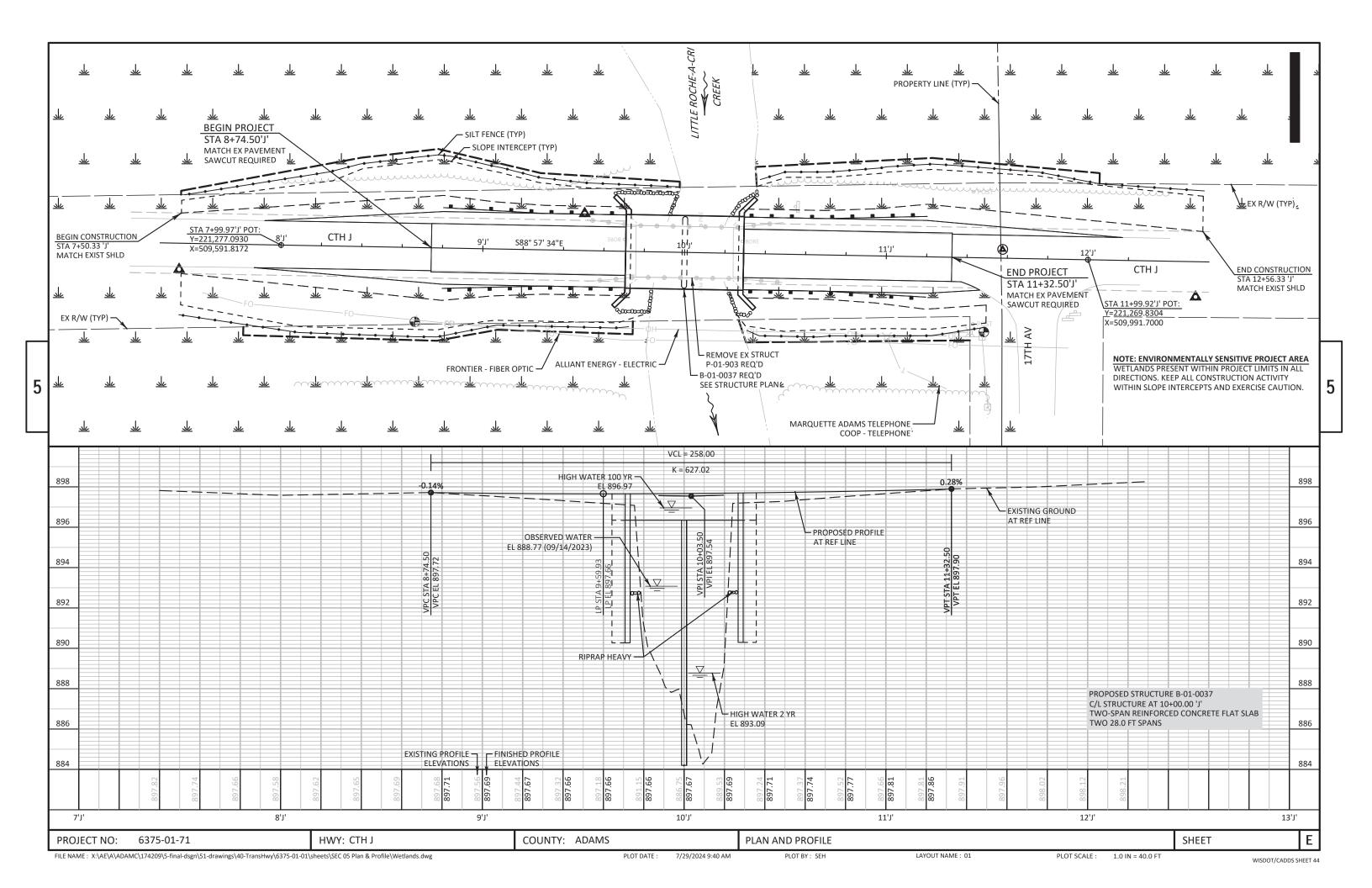
5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE

6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE TESTING.

WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS

SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

DEPARTMENT OF TRANSPORTATION STRUCTURE B-1-37 ALC CK'D SHEET 9 OF 9 **RAILING TYPE 'M'**



BRIDGE B-01-0037 EARTHWORK SUMMARY

				ADE	۸ (۵۳)	INCREMEN	ITAL VOL (CY)	CUMULA	ATIVE VOL	
				AKE	A (SF)	(UNA	DJUSTED)	((CY)	
				CUT		CUT	FILL	CUT	FILL	MASS
STATI	ON	REAL STATION	DISTANCE	CUT	FILL	(3)	(1)	1.00	1.3 (2)	ORDINATE
7+48	АН	747.75	0.00	9.58	3.77	0.00	0.00	0.00	0.00	0.00
8+00		800.00	52.25	14.31	37.05	23.12	39.50	23.12	51.35	-28.23
8+25		825.00	25.00	15.64	40.26	13.87	35.79	36.98	97.88	-60.89
8+55		855.00	30.00	17.61	43.79	18.47	46.69	55.45	158.58	-103.12
8+78		877.65	22.65	47.35	58.76	27.25	43.01	82.70	214.50	-131.80
9+00		900.00	22.35	43.77	44.91	37.71	42.91	120.41	270.28	-149.86
9+02		902.49	2.49	43.36	42.83	4.02	4.05	124.43	275.54	-151.10
9+07		907.46	4.97	42.55	40.29	7.91	7.65	132.34	285.48	-153.14
9+27		927.49	20.03	39.28	30.74	30.35	26.35	162.69	319.73	-157.04
9+32		932.46	4.97	38.59	29.75	7.17	5.57	169.86	326.97	-157.11
9+50		950.00	17.54	32.90	29.63	23.22	19.29	193.08	352.04	-158.96
9+70.78	ВК	970.78	20.78	24.24	85.40	21.99	44.27	215.07	409.59	-194.52
STRUCTURE	B-01-003	7								
10+29.28	АН	1029.28	0.00	25.25	229.27	0.00	0.00	215.07	409.59	-194.52
10+50		1050.00	20.72	32.44	71.69	22.14	115.48	237.20	559.71	-322.51
10+67		1067.45	17.45	36.83	47.88	22.38	38.64	259.59	609.94	-350.35
10+72		1072.35	4.90	38.15	44.09	6.80	8.35	266.39	620.79	-354.40
10+92		1092.45	20.10	43.89	42.67	30.54	32.29	296.93	662.77	-365.84
10+97		1097.33	4.88	45.48	42.24	8.08	7.67	305.01	672.75	-367.74
11+00		1100.00	2.67	46.19	42.46	4.53	4.19	309.54	678.19	-368.65
11+17		1117.45	17.45	49.93	40.33	31.06	26.75	340.60	712.97	-372.37
11+22		1122.28	4.83	51.06	39.72	9.03	7.16	349.63	722.28	-372.65
11+55		1155.00	32.72	12.87	11.20	38.74	30.85	388.37	762.39	-374.02
12+00		1200.00	45.00	11.31	9.86	20.15	17.55	408.52	785.21	-376.69
12+30	BK	1230.00	30.00	10.35	4.22	12.03	7.82	420.55	795.37	-374.82
		<u> </u>			TOTALS	//20	800			

TOTALS 420 800

PROJECT NO: 6375-01-71 HWY: CTH J COUNTY: ADAMS EARTHWORK SUMMARY SHEET E

FILE NAME: X:\AE\A\ADAMC\174209\5-final-dsgn\51-drawings\40-TransHwy\6375-01-01\sheets\SEC 09 a Earthwork Data\090100-ew (Earthwork Qtys).dwg

PLOT DATE : 7/3/2024 8:50 AM

PLOT BY: SEH

PLOT NAME

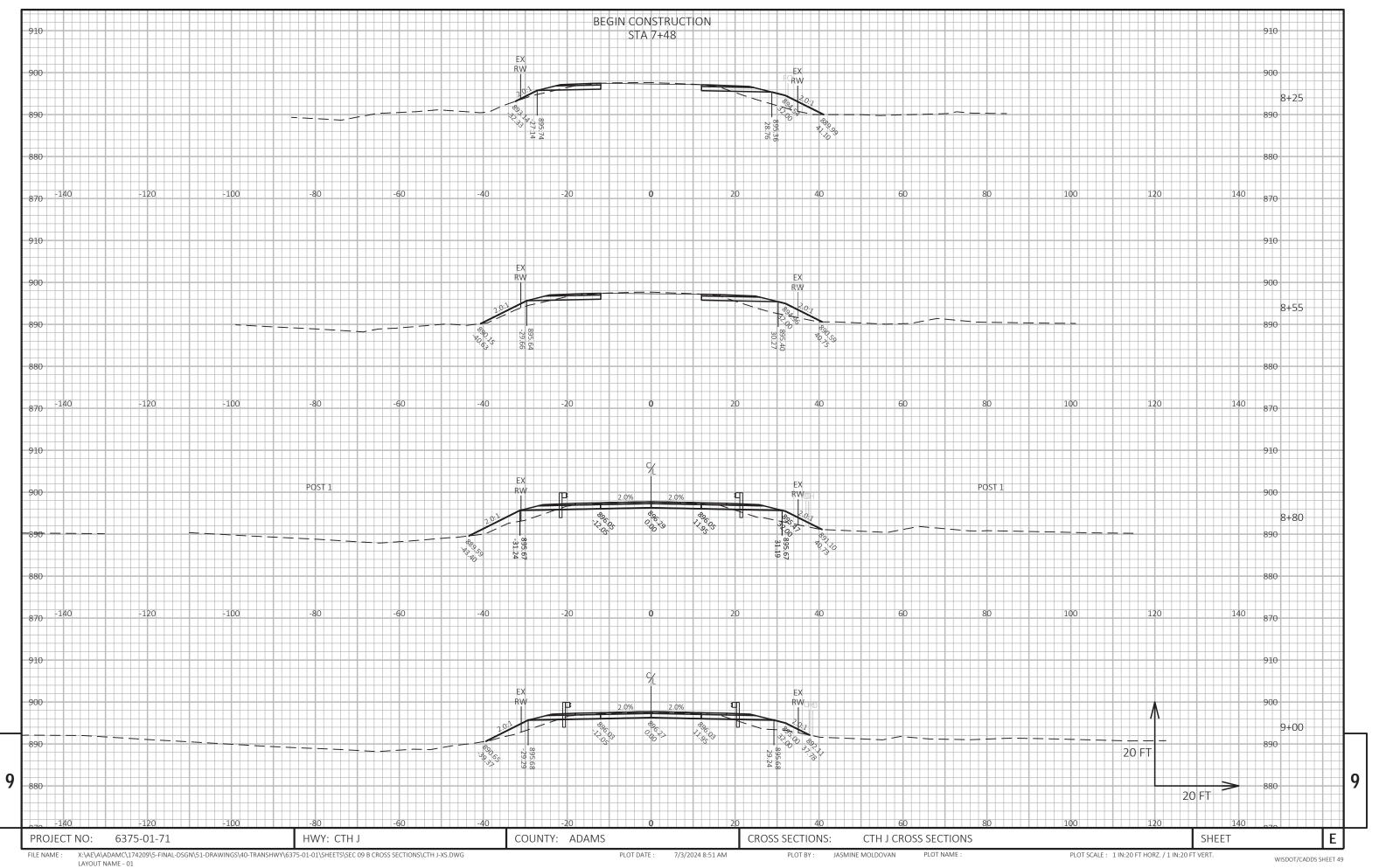
PLOT SCALE : N/A

9

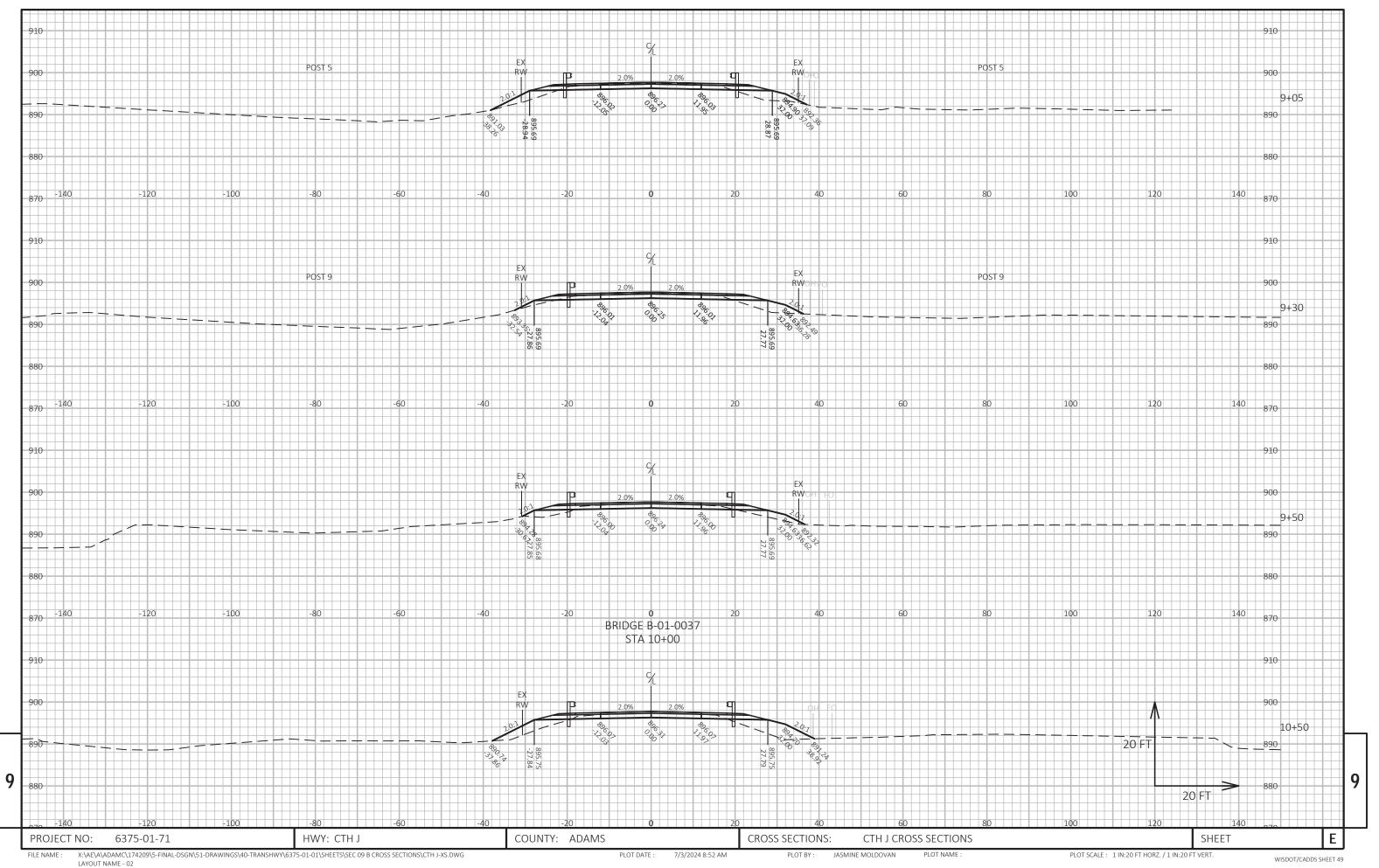
^{(1) -} NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY

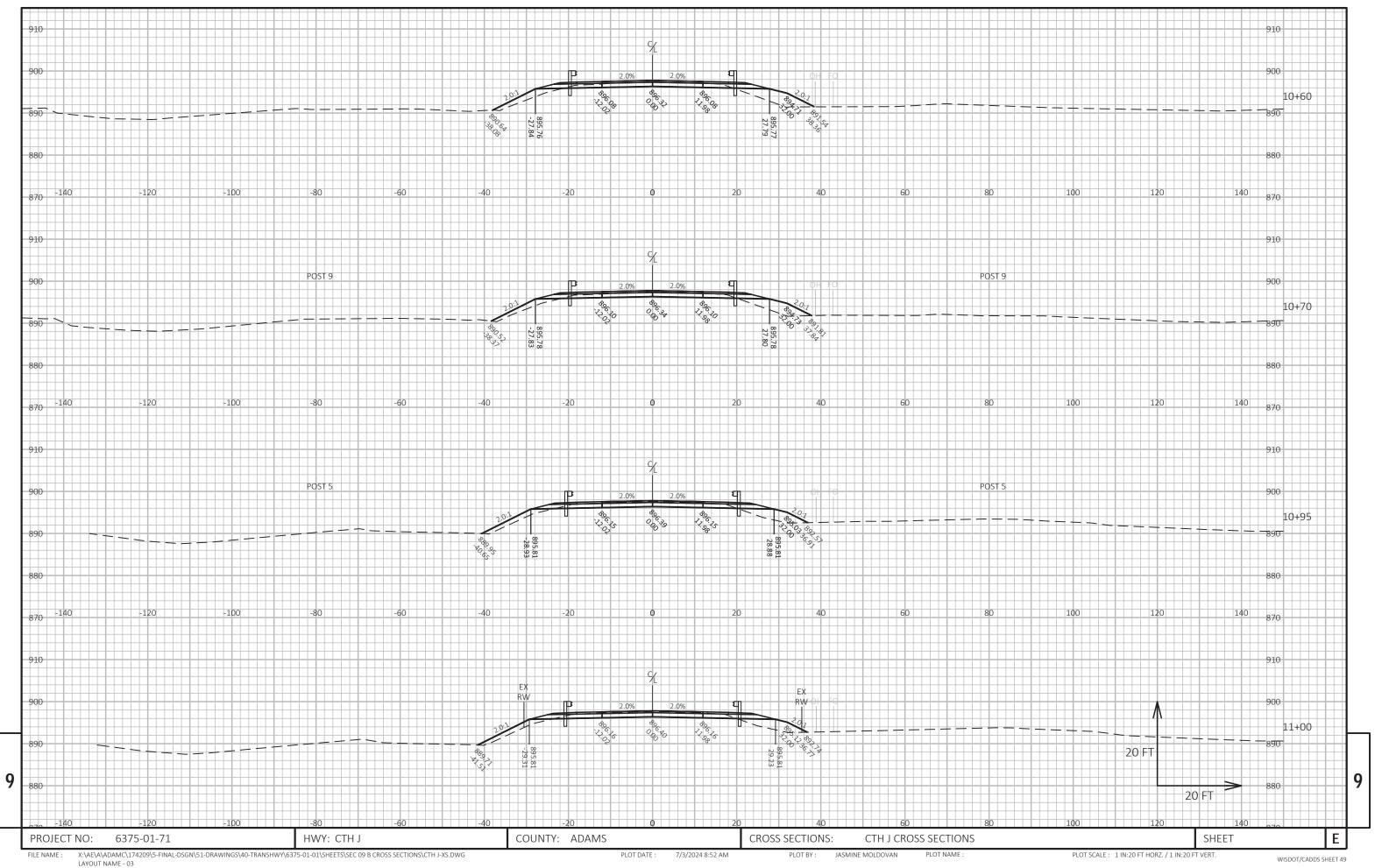
^{(2) -} FILL EXPANSION 30%

^{(3) -} EXISTING ASPHALTIC PAVEMENT IS INCLUDED IN COMMON EXCAVATION TOTALS

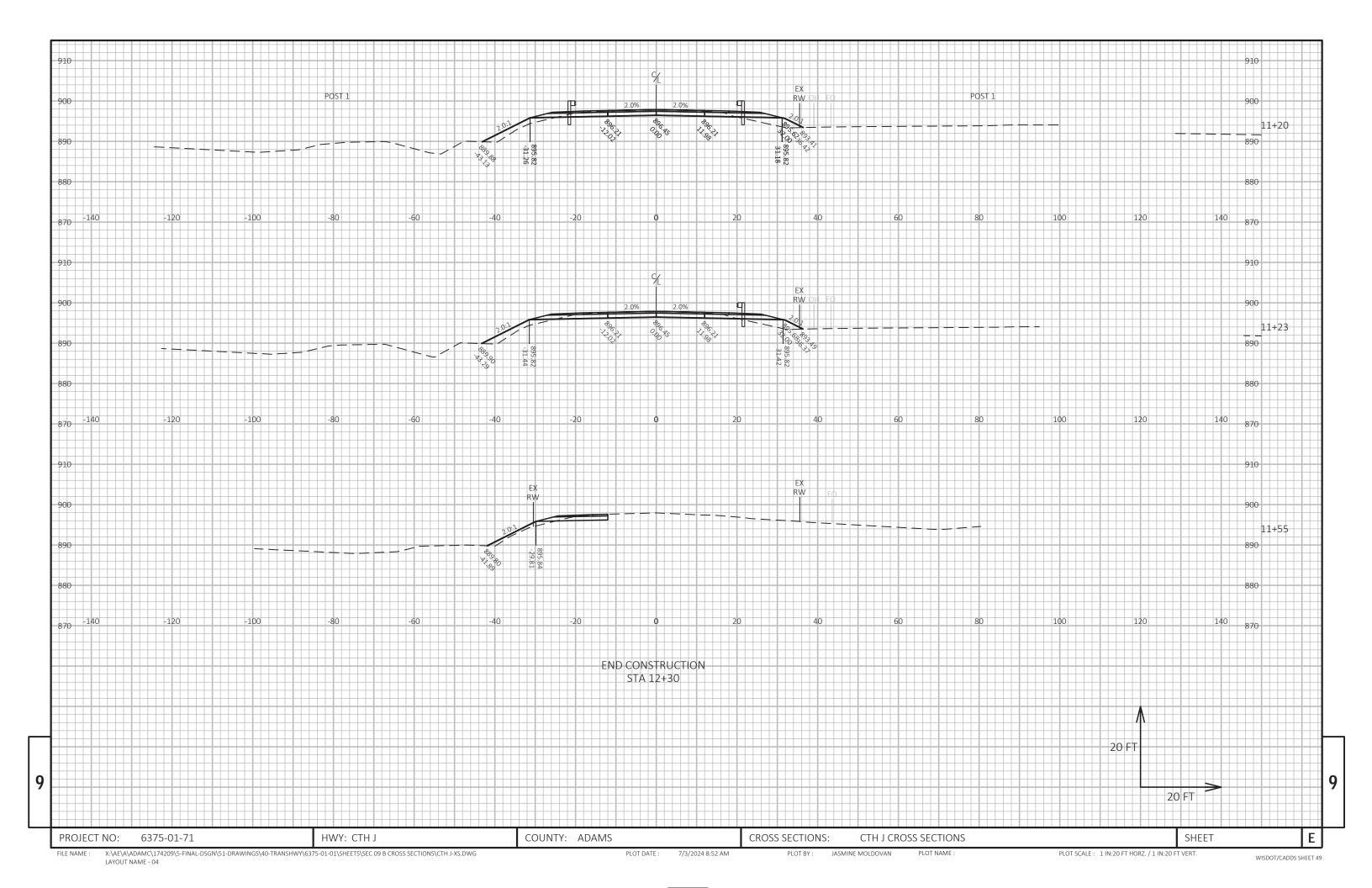


LAYOUT NAME - UI





LAYOUT NAME - US





Wisconsin Department of Transportation

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