STATE OF WISCONSIN ORDER OF SHEETS 7894-03-73 Section No. **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details Estimate of Quantities Section No. Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile (Includes Erosion Control Plan) Section No. Standard Detail Drawings Section No. STH 35 - USH 10 Section No. Computer Earthwork Data **TRIMBELLE RIVER BRIDGE B-47-0048** Section No. CTH O TOTAL SHEETS = 62 **PIERCE COUNTY** STATE PROJECT NUMBER 7894-03-73 R-18-W AVE 490TH AVE 480TH : AVE 480TH lio ΑVE PROJECT LOCATION 460TĤ **BEGIN PROJECT** STA 12+03.00 DESIGN DESIGNATION 7894-03-03 Y = 302438.1696 Trimbelle 440TH AVE X = 458852.4241 2021 = 251 2041 = 277 31 430TH AVE = 35 = 50/50 430TH = 7% STRUCTURE B-47-48 DESIGN SPEED = 55 MPH STA 14+27.83 = 52,000 T-25-N AVE 390TH AVE 6 CONVENTIONAL SYMBOLS $\overline{\mathsf{A}}\mathsf{A}\mathsf{E}\mathcal{O}$ PROFILE **END PROJECT** GRADE LINE CORPORATE LIMITS STA 17+26.00 370TH 370 TH \ AVE ORIGINAL GROUND PROPERTY LINE Y = 302949.1350 S MARSH OR ROCK PROFILE X = 458759.6711 560TH AVE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH 350TH AVE 350TH EXISTING RIGHT OF WAY 8701 ST GRADE ELEVATION ΑVΕ PROPOSED OR NEW R/W LINE SLOPE INTERCEPT CULVERT (Profile View) 3#OTH AVE UTILITIES REFERENCE LINE ELECTRIC EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER 1.0 MI HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE I COORDINATE REFERENCE SYSTEM (WISCRS), PIERCE COUNTY, NAD83 (2011) IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID MARSH AREA COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.099 MI ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED POWER POLE ₫ TO NAVD 88 (2001). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A WOODED OR SHRUB AREA TELEPHONE POLE Ø

FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT

> ACCEPTED FOR COUNTY OF PIERCE Commissiones

MENOMONIE - MADISON - GREEN BAY - CEDARBURG www.cedarcorp.com 800-472-7372



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor Designer

CEDAR CORPORATION Project Manage

Ε

ANDREW STENSTAND, P.E.

DATE: 10129/2020

GENERAL NOTES

THE BENCHMARK IS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), PIERCE COUNTY.

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.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. SILT FENCE TO BE PLACED

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

THE 4.5" OF ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 2.5" LOWER LAYER AND A 2.0" UPPER LAYER.

BEARINGS REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), PIERCE COUNTY.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE SALVAGED TOP SOIL, FERTILIZED, SEEDED, TEMPORARY SEEDED, AND COVERED WITH EROSION MAT AS DIRECTED BY THE ENGINEER. USE SEED MIX NO. 10.

WETLANDS ARE PRESENT WITHIN THE PROJECT LIMITS. DO NOT OPERATE EQUIPMENT OUTSIDE OF THE SLOPE INTERCEPTS. DO NOT STORE OR STOCKPILE MATERIALS IN WETLANDS

WHEN THE QUANTITY OF ITEM BASE LAYER OR SURFACE LAYER IS MEASURED FOR PAYMENT BY THE TON. THE THICKNESS OF THE MATERIAL THAT IS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	OFF	OFFSET
AGG	AGGREGATE	PC	POINT OF CURVATURE
ET AL	AND OTHERS	PI	POINT OF INTERSECTION
AADT	ANNUAL AVERAGE DAILY TRAFFIC	PT	POINT OF TANGENCY
BF	BACK FACE	POL	POINT ON LINE
BM	BENCHMARK	PE	PRIVATE ENTRANCE
C/L OR &	CENTERLINE	PL	PROPERTY LINE
Δ	CENTRAL ANGLE OR DELTA	PSI	POUNDS/SQUARE INCH
CLR	CLEAR	PROP	PROPOSED
CONC	CONCRETE	R	RADIUS
CONST	CONSTRUCTION	RR	RAILROAD
COR	CORNER	REBAR	REINFORCEMENT BAR
CMP	CORRUGATED METAL PIPE	REQ'D	
			REQUIRED
CTH	COUNTY TRUNK HIGHWAY	RT	RIGHT
CR	CREEK	RHF	RIGHT-HAND FORWARD
CFS	CUBIC FEET/SECOND	R/W	RIGHT-OF-WAY
CULV	CULVERT	RD	ROAD
D	DEGREE OF CURVE	SEC	SECTION
DHV	DESIGN HOUR VOLUME	S	SOUTH
DIA	DIAMETER	SE	SOUTHEAST
E	EAST	SW	SOUTHWEST
EL	ELEVATION	STH	STATE TRUNK HIGHWAY
EST	ESTIMATED	STA	STATION
FPS	FEET PER SECOND	SE	SUPER ELEVATION
FE	FIELD ENTRANCE	T	TANGENT
FT	FOOT (FEET)	TEL	TELEPHONE
FTG	FOOTING	TEMP	TEMPORARY
FDN	FOUNDATION	TI	TEMPORARY INTEREST
FF	FRONT FACE	TLE	TEMPORARY LIMITED EASEMENT
IP	IRON PIN	TL OR T/L	TRANSIT LINE
IT	LEFT	Т	TRUCKS
LHF	LEFT-HAND FORWARD	TYP	TYPICAL
L	LENGTH OF CURVE	U/G	UNDERGROUND
LF	LINFAR FOOT	USH	UNITED STATES HIGHWAY
MAX	MAXIMUM	VAR	VARIABLE
MI	MILE	V	VELOCITY
MIN	MINIMUM	VPC.	VERTICAL POINT OF CURVATURE
NC	NORMAL CROWN	VPI	VERTICAL POINT OF INTERSECTION
N	NORTH	VPT	VERTICAL POINT OF TANGENCY
NE NE	NORTHEAST	W	WEST
NW	NORTHWEST	vv YB	YARD
		1 D	IARU
NO	NUMBER		

DNR CONTACT

DNR WEST CENTRAL REGION HEADQUARTERS 1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701-5108 ATTN: AMY L. LESIK (715) 836-6571

HAGER CITY, WI 54014 ATTN: CHAD WHITCOMB (715) 792-2103 PH:

COMMUNICATION

BEVCOMM

P.O. BOX 125

UTILITIES CONTACT(S)

EMAIL: cwhitcomb@bevcomm.com

www.DiggersHotline.com **DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS.

DESIGN CONSULTANT CONTACT

CEDAR CORPORATION 604 WILSON AVENUE MENOMONIE, WI 54751 ATTN: TROY PETERSON, P.E. PH: (715) 235-9081 EMAIL: troy.peterson@cedarcorp.com

EMAIL: AmyL.Lesik@wisconsin.gov

MUNICIPALITY CONTACT

PIERCE COUNTY HIGHWAY DEPARTMENT 621 WEST CAIRNS STREET ELLSWORTH, WI 54011

ATTN: CHAD JOHNSON, P.E., HIGHWAY COMMISSIONER

PH: (715) 273-5096

EMAIL: chad.johnson@co.pierce.wi.us

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP										
	А			В			С			D	
SLOPE	RANGE (PE	RCENT)	SLOPE	RANGE (PE	RCENT)	SLOPE	RANGE (PE	RCENT)	SLOPE	RANGE (P	ERCENT)
0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER
.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
		.25			.27			.28			.30
		.32			.34			.36			.38
					.70 -	.95					
					.80 -	.95					
					.70 -	.80					
					.75 -	.85					
					.75 -	.95					
					.40 -	.60					
	0 - 2 .08 .22 .19	SLOPE RANGE (PE 0 - 2	SLOPE RANGE (PERCENT) 0 - 2	SLOPE RANGE (PERCENT) SLOPE 0 - 2 2 - 6 6 & OVER 0 - 2 .08 .16 .22 .12 .22 .30 .38 .26 .19 .20 .24 .19 .24 .26 .30 .25 .25 .25	SLOPE RANGE (PERCENT) SLOPE RANGE (PE 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 .08 .16 .22 .12 .20 .22 .30 .38 .26 .34 .19 .20 .24 .19 .22 .24 .26 .30 .25 .28 .25 .25	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) 0 - 2 2 - 6 6 & OVER .08 .16 .22 .12 .20 .27 .22 .30 .38 .26 .34 .44 .19 .20 .24 .19 .22 .26 .24 .26 .30 .25 .28 .33 .25 .32 .34 .44 .70 .34 .34 .34 .70 .32 .33 .70 .80 .70 .75 .75	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 .08 .16 .22 .12 .20 .27 .15 .22 .30 .38 .26 .34 .44 .30 .19 .20 .24 .19 .22 .26 .20 .24 .26 .30 .25 .28 .33 .26 .25 .25 .27 .27 .27	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 .08 .16 .22 .12 .20 .27 .15 .24 .22 .30 .38 .26 .34 .44 .30 .37 .19 .20 .24 .19 .22 .26 .20 .23 .24 .26 .30 .25 .28 .33 .26 .30 .25 .32 .34 .34 .44 .30 .37 .4 .26 .30 .25 .28 .33 .26 .30 .32 .32 .34 .34 .34 .34 .34 .34 .7095 .8095 .7080 .7585 .7595 .7595	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER .08 .16 .22 .12 .20 .27 .15 .24 .33 .22 .30 .38 .26 .34 .44 .30 .37 .50 .19 .20 .24 .19 .22 .26 .20 .23 .30 .24 .26 .30 .25 .28 .33 .26 .30 .37 .25 .32 .27 .34 .44 .30 .37 .50 .24 .26 .30 .25 .28 .33 .26 .30 .37 .27 .32 .34 .34 .34 .36 .36	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 .08 .16 .22 .12 .20 .27 .15 .24 .33 .19 .22 .30 .38 .26 .34 .44 .30 .37 .50 .34 .19 .20 .24 .19 .22 .26 .20 .23 .30 .20 .24 .26 .30 .25 .28 .33 .26 .30 .37 .27 .28 .32 .34 .34 .34 .36 .36 .36	SLOPE RANGE (PERCENT) CP 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 6 & OVER 0 - 2 2 - 6 2 - 6 .24 .33 .19 .28 .41 <t< td=""></t<>

TOTAL PROJECT AREA = 0.80 ACRES

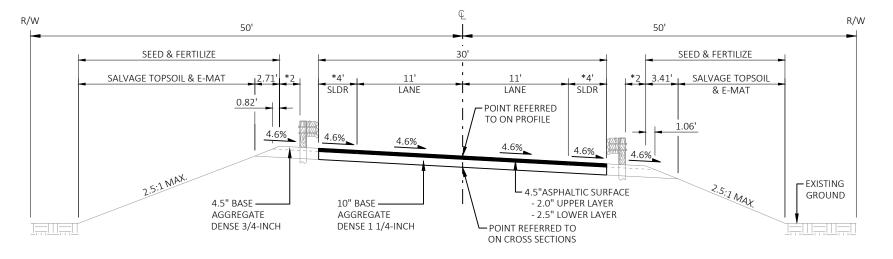
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.31 ACRES

Ε PROJECT NO: 7894-03-73 HWY: CTH 0 COUNTY: PIERCE **GENERAL NOTES** SHEET ##########

R/W R/W 50' 50' VARIES VARIES LANE LANE 4.6% **⊢** EXISTING GROUND AGGREGATE DENSE BASE AGGREGATE ASPHALTIC SURFACE **EXISTING TYPICAL SECTION - CTH O** STA 12+03.00 TO STA 13+66.65 STA 14+88.78 TO STA 17+26.00

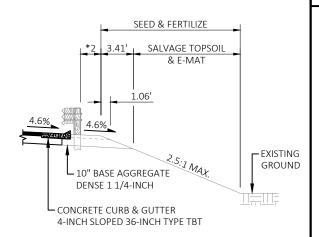
TYPICAL SECTIONS - EXISTING Ε PROJECT NO: 7894-03-73 HWY: CTH O COUNTY: PIERCE SHEET I:\CLIENTS-MENO\W\W3900 WDOT NW REGION - EAU CLAIRE\024 7894-03-03 STH 35 - USH 10 TRIMBELLE RIVER BRIDGE B-47-0048 CTH O PIERCE COUNTY\78940300\SHEETSPLAN\020301-TS.DWG PLOT DATE: 12/15/2020 10:52 AM LAYOUT NAME - Existing TS PLOT SCALE :

* SEE STANDARD DETAIL DRAWINGS (SDDs) 14B42-MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL, 14B45-MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION, AND 14B44-MIDWEST GUARDRAIL SYSTEM (MGS) ENERGY ABSORBING TERMINAL (EAT) DETAILS FOR GUARDRAIL GRADING. PAVE SHOULDER TO FACE OF BEAMGUARD. TAPER PAVED SHOULDERS 10:1 TO LANE EDGE FROM MGS TERMINAL.



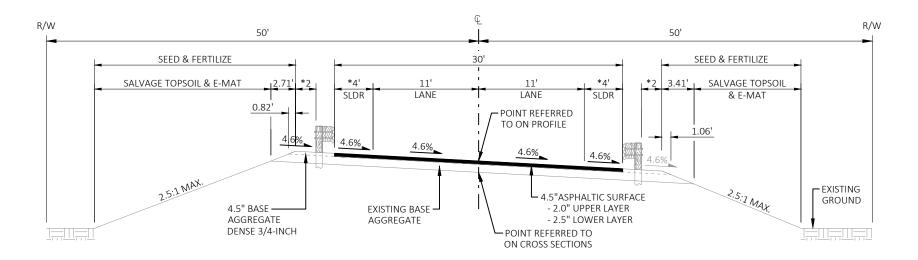
PROPOSED TYPICAL SECTION - CTH O

STA 13+16.00 TO STA 13+66.65



PROPOSED TYPICAL SECTION AT CURB AND GUTTER

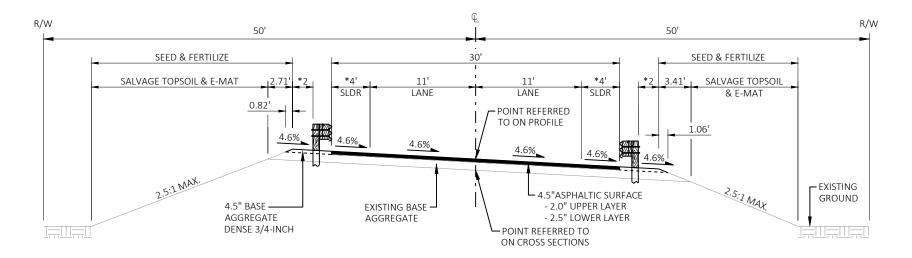
STA 13+10.61 TO STA 13+66.65 RT



PROPOSED TYPICAL SECTION - CTH O

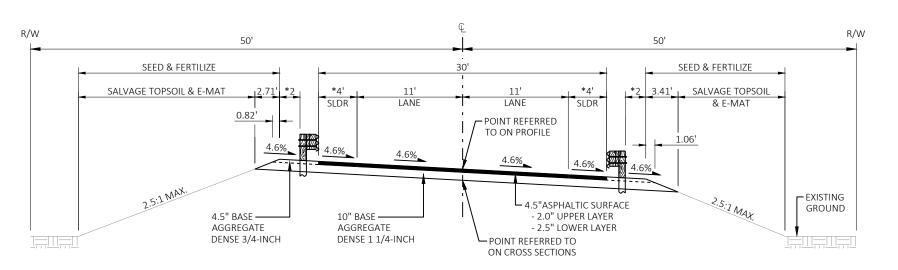
STA 12+63.44 TO STA 13+16.00 RT STA 12+89.34 TO STA 13+16.00 LT

Ε PROJECT NO: 7894-03-73 HWY: CTH O COUNTY: PIERCE TYPICAL SECTIONS - PROPOSED SOUTH END SHEET



PROPOSED TYPICAL SECTION - CTH O

STA 15+39.00 TO STA 15+81.85 RT STA 15+39.00 TO STA 16+66.62 LT

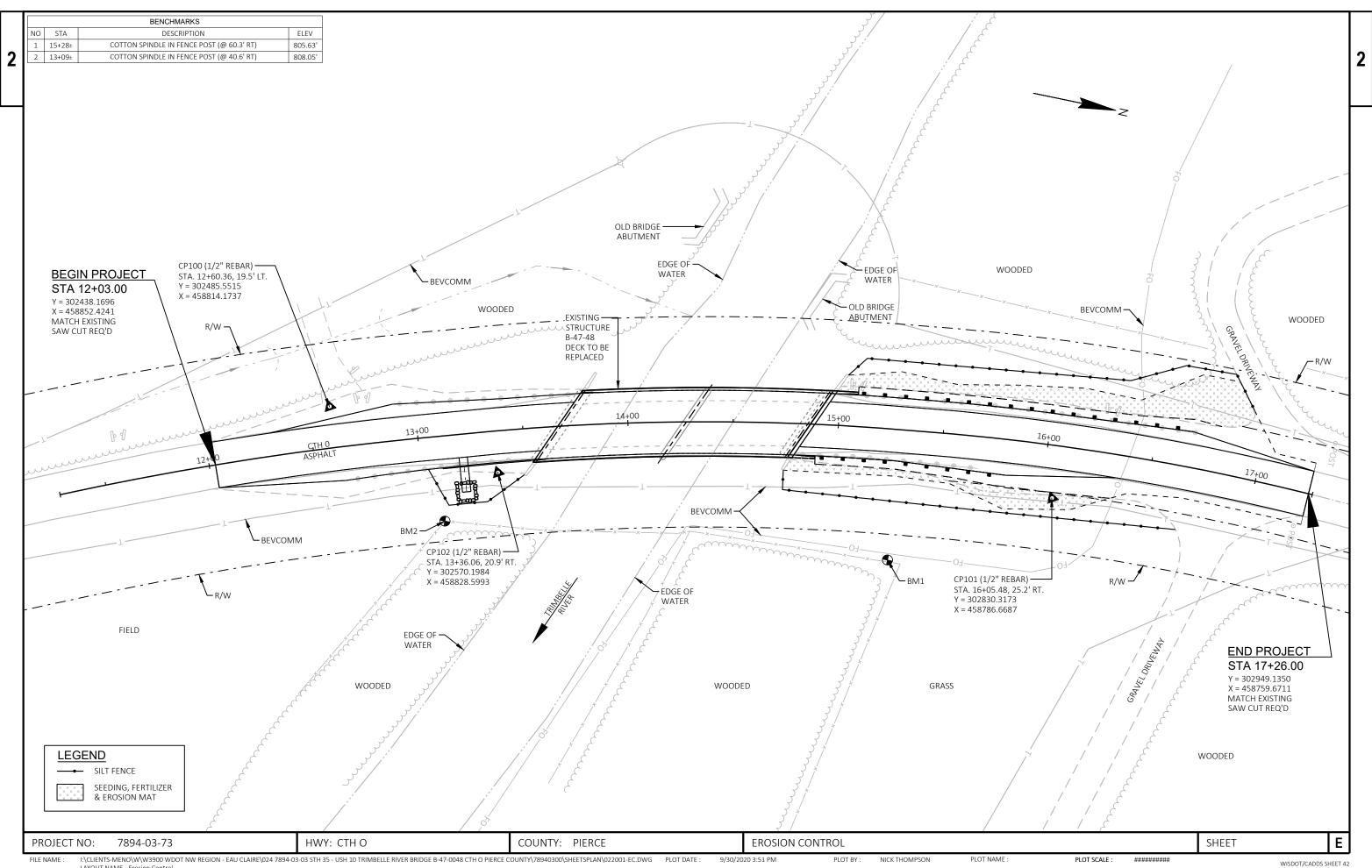


* SEE STANDARD DETAIL DRAWINGS (SDDs) 14B42-MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL, 14B45-MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION, AND 14B44-MIDWEST GUARDRAIL SYSTEM (MGS) ENERGY ABSORBING TERMINAL (EAT) DETAILS FOR GUARDRAIL GRADING. PAVE SHOULDER TO FACE OF BEAMGUARD. TAPER PAVED SHOULDERS 10:1 TO LANE EDGE FROM MGS TERMINAL.

PROPOSED TYPICAL SECTION - CTH O

STA 14+88.78 TO STA 15+39.00

Ε PROJECT NO: 7894-03-73 HWY: CTH O COUNTY: PIERCE TYPICAL SECTIONS - PROPOSED NORTH END SHEET



					7894-03-73	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 14+27.83	LS	1.000	1.000	
0004	205.0100	Excavation Common	CY	267.000	267.000	
0006	206.1000	Excavation for Structures Bridges (structure) 01. B-47-48	LS	1.000	1.000	
8000	210.1500	Backfill Structure Type A	TON	210.000	210.000	
0010	213.0100	Finishing Roadway (project) 01. 7894-03-73	EACH	1.000	1.000	
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	60.000	60.000	
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	154.000	154.000	
0016	455.0605	Tack Coat	GAL	65.000	65.000	
0018	465.0105	Asphaltic Surface	TON	331.000	331.000	
0020	465.0315	Asphaltic Flumes	SY	10.000	10.000	
0022	502.0100	Concrete Masonry Bridges	CY	167.000	167.000	
0024	502.3101	Expansion Device	LF	37.000	37.000	
0026	502.3200	Protective Surface Treatment	SY	400.000	400.000	
0028	502.3210	Pigmented Surface Sealer	SY	130.000	130.000	
0030	502.4205	Adhesive Anchors No. 5 Bar	EACH	39.000	39.000	
0032	502.4206	Adhesive Anchors No. 6 Bar	EACH	24.000	24.000	
0034	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	36,380.000	36,380.000	
0036	506.2610	Bearing Pads Elastomeric Laminated	EACH	4.000	4.000	
0038	506.4000	Steel Diaphragms (structure) 01. B-47-48	EACH	6.000	6.000	
0040	506.7050.S	,	EACH	4.000	4.000	
0042	509.1500	Concrete Surface Repair	SF	10.000	10.000	
0044	516.0500	Rubberized Membrane Waterproofing	SY	0.500	0.500	
0046	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	43.000	43.000	
0048	606.0200	Riprap Medium	CY	8.000	8.000	
0050	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000	
0052	614.0920	Salvaged Rail	LF	284.000	284.000	
0054	614.0952	Replacing Guardrail Reflectors	EACH	13.000	13.000	
0056	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7894-03-73	EACH	1.000	1.000	
0058	619.1000	Mobilization	EACH	1.000	1.000	
0060	624.0100	Water	MGAL	13.000	13.000	
0062	625.0500	Salvaged Topsoil	SY	270.000	270.000	
0064	628.1504	Silt Fence	LF	465.000	465.000	
0066	628.1520	Silt Fence Maintenance	LF	665.000	665.000	
0068	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0070	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0072	628.2004	Erosion Mat Class I Type B	SY	198.000	198.000	
0074	629.0210	Fertilizer Type B	CWT	0.100	0.100	

0116

715.0502

Incentive Strength Concrete Structures

DOL

1,002.000

Estimate Of Quantities Page 2

					7894-03-73
Line	Item	Item Description	Unit	Total	Qty
0076	630.0110	Seeding Mixture No. 10	LB	3.000	3.000
0078	630.0200	Seeding Temporary	LB	6.000	6.000
0800	630.0500	Seed Water	MGAL	3.400	3.400
0082	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	10.000	10.000
0084	637.2230	Signs Type II Reflective F	SF	30.000	30.000
0086	638.2602	Removing Signs Type II	EACH	10.000	10.000
8800	638.3000	Removing Small Sign Supports	EACH	10.000	10.000
0090	642.5001	Field Office Type B	EACH	1.000	1.000
0092	643.0420	Traffic Control Barricades Type III	DAY	960.000	960.000
0094	643.0705	Traffic Control Warning Lights Type A	DAY	1,680.000	1,680.000
0096	643.0900	Traffic Control Signs	DAY	840.000	840.000
0098	643.5000	Traffic Control	EACH	1.000	1.000
0100	645.0120	Geotextile Type HR	SY	11.000	11.000
0102	646.1020	Marking Line Epoxy 4-Inch	LF	2,092.000	2,092.000
0104	650.4500	Construction Staking Subgrade	LF	102.000	102.000
0106	650.5000	Construction Staking Base	LF	102.000	102.000
0108	650.6500	Construction Staking Structure Layout (structure) 01. B-47-0048	LS	1.000	1.000
0110	650.9910	Construction Staking Supplemental Control (project) 01. 7894-03-73	LS	1.000	1.000
0112	650.9920	Construction Staking Slope Stakes	LF	402.000	402.000
0114	690.0150	Sawing Asphalt	LF	44.000	44.000

1,002.000

2000			CATECORY	205.0100 COMMON EXCAVATION (CY)	SALVAGED / UNUSABLE PAVEMENT MATERIAL (1)	AVAILABLE MATERIAL (CY) (2)	UNEXPANDED FILL	EXPANDED FILL	MASS ORDINATE +/- (3)
DIVISION	STATIONING	LOCATION	CATEGORY	сит				FACTOR 1.30	
1	12+03 - 13+67	SOUTH APPROACH	010	82	18	64	0	0	64
-	CONTRACTOR STATE OF THE STATE O	A CONTRACTOR OF A MARKETON CHARLES ON THE BASE OF	030	32	32	0	0	0	0
DIVISION 1 SUBTOTAL				114	50	64	0	0	64
2	14+88 - 17+26	NORTH ARREONCH	010	98	18	80	77	100	-20
2	14+88 - 17+26	NORTH APPROACH	030	55	55	0	0	0	0
DIVISION 2 SUBTOTAL				153	73	80	77	100	-20
				7					1
CATEGORY 010 SUBTOTA	L			180	36	144	77	100	44
CATEGORY 030 SUBTOTA	L			87	87	0	0	0	0
GRAND TOTAL(S)				267	123	144	77	100	44
		TOTAL	COMMON EXCAVATION	= 267				15/10/5/5/77	•

¹⁾ SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

COUNTY: PIERCE PROJECT NO: 7894-03-73 HWY: CTH O MISCELLANEOUS QUANTITIES SHEET FILE NAME : PLOT BY: NICK THOMPSON PLOT NAME :

²⁾ AVAILABLE MATERIAL = CUT MINUS THE SALVAGED/UNUSABLE PAVEMENT MATERIAL

³⁾ THE MASS ORDINATE = A + OR - QUANTITY CALCULATED FOR THE DIVISON. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL.

					BASE	AGGREGATE DENS							
			STA	TION	LOCATION	CATEGORY	305.011 3/4-INCF TON	1 1:	05.0120 1/4-INCH TON				
			13+16.00	-13+66.65	RT & LT	010	11		50				
			14+88.78	-17+26.00	RT & LT	010	49		104				
			ITEM T	OTAL(S)			60		154				
					ASPI	HALTIC SURFACE							
			STATION	LOCATION	CATEGO	TAC	0605*	465.0105 ASPHALTIC	465.03 ASPHAL FLUMI	TIC ES			
			STATION 12+03 - 13+66 14+88 - 17+26	CTH O	010 010)	AL 13 15	TON 65 76	SY -				
			13+20	CTH O CATEGORY SUBTOTA	010)	- 28	141	10 10				
			12+03 - 13+16	стн о	030)	14	72	-				
			15+39 - 17+26	CTH O CATEGORY SUBTOTA	030 AL		23 37	118 190	0				
				GRAND TOTAL			55	331	10				
			*APPLICATION RATE = 0.	050 GAL/SY									
										RIPRAP			
	CONC	RETE CURB & GUTTE	601.0588								606.0200 RIPRAP MEDIUM	645.0120 * GEOTEXTILE TYPE HR	
			4-INCH SLOPED 36-INCH TYPE TBT				STATION	LC	OCATION	CATEGORY	CY	SY	REMARKS
STATION	LOCATION	CATEGORY	LF	REMARKS		_	13+20		RT	010	8	11	FLUME
13+13 - 13+56	RT	010	43				ITEM TOTAL(S) ANTITIES FOUND				8	11	

				614.0052					WA	TER	
			614.0920 SALVAGED	614.0952 REPLACING GUARDRAIL				STATION - STATION	LOCATION	CATEGORY	624.0100 MGAL
STATION	LOCATION	CATEGORY	RAIL LF	REFLECTORS EACH	-			12+03 - 13+66.65 12+03 - 13+66.65		010 030	8.5 4.5
13+63 - 13+78 13+40 - 13+55	LT RT	010 010	15 15	-				ITEM TOTAL(S)			13
15+07 - 16+67	LT	010	162	9				TIEM TOTALS,			10
14+90 - 15+82	RT	010	92	4							
ITEM TOTAL(S)			284	13	=						
		STATION	LOCATION	SALVAGED TO CATEGORY	625.0500 SALVAGED TOPSOIL SY	RTILIZER, AND SEEDIN 629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL		
		14+88 - 17+26	RT & LT	010	270	0.1	3	6	3.4		
		ITEM TOTAL(S)			270	0.1	3	6	3.4		
		ROSION CONTROL ITEMS							MOBILIZATIONS		
	<u> </u>			628 2004		l			III O DI LI		620.4040
STATION		628.1504 SILT FENCE CATEGORY LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS 1 TYPE B SY						628.1905 MOBILIZATIONS	EMERGENCY
STATION 3+00 - 13+50		SILT FENCE CATEGORY LF	SILT FENCE MAINTENANCE	EROSION MAT CLASS 1 TYPE B					619.1000 MOBILIZATION	MOBILIZATIONS EROSION	MOBILIZATION EMERGENCY EROSION
	LOCATION C	SILT FENCE CATEGORY LF	SILT FENCE MAINTENANCE LF	EROSION MAT CLASS 1 TYPE B SY			PROJECT	CATEGORY	619.1000 MOBILIZATION EACH	MOBILIZATIONS	MOBILIZATION EMERGENCY
3+00 - 13+50 4+75 - 16+65 5+05 - 16+90	LOCATION C RT RT LT	SILT FENCE LF 010 60 010 197 010 208	SILT FENCE MAINTENANCE LF 85	EROSION MAT CLASS 1 TYPE B SY					MOBILIZATION EACH	MOBILIZATIONS EROSION CONTROL EACH	MOBILIZATION EMERGENCY EROSION CONTROL
3+00 - 13+50 4+75 - 16+65 5+05 - 16+90 -88.78 - 15+39	LOCATION C RT RT LT RT	SILT FENCE LF 010 60 010 197 010 208 010	SILT FENCE MAINTENANCE LF 85 284	EROSION MAT CLASS 1 TYPE B SY			7894-03-73	010	MOBILIZATION EACH 0.3	MOBILIZATIONS EROSION CONTROL	MOBILIZATION EMERGENCY EROSION CONTROL
3+00 - 13+50	LOCATION C RT RT LT	SILT FENCE CATEGORY 010 010 010 197 010 208 010	SILT FENCE MAINTENANCE LF 85 284 296	EROSION MAT CLASS 1 TYPE B SY 78					MOBILIZATION EACH	MOBILIZATIONS EROSION CONTROL EACH	MOBILIZATION EMERGENCY EROSION CONTROL EACH

PROJECT NO: 7894-03-73

HWY: CTH O

COUNTY: PIERCE

MISCELLANEOUS QUANTITIES

SHEET

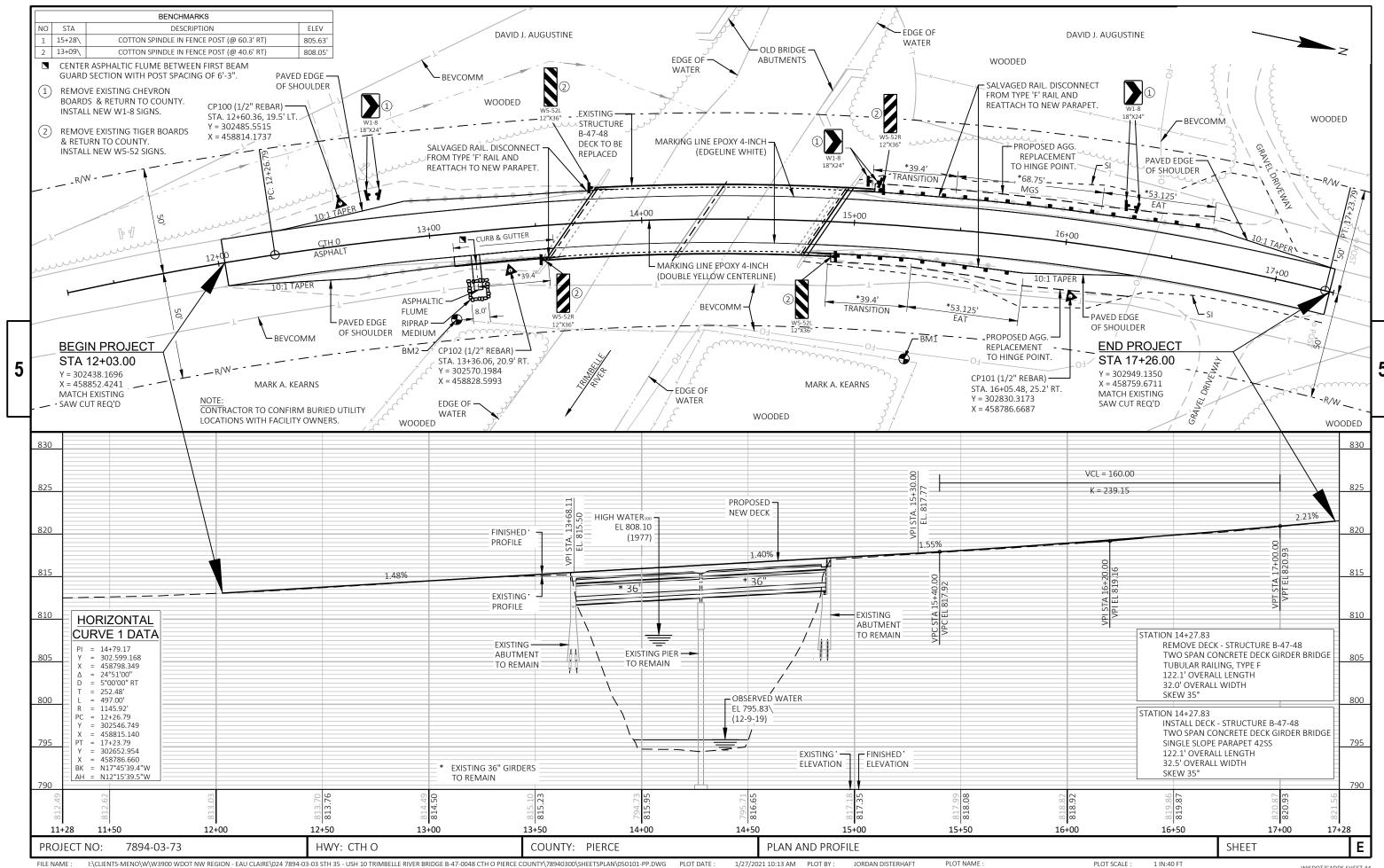
E

					SIGNING QUANTIT	TES							
	STATION	LOCATION	SIGN COD	DE CATEGOR	637.2230 SIGNS TYPE REFLECTIVE SY SF	POSTS WOOD	638.2602 REMOVING SIGN: TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS			FIELD OFFICE	100 4 4
	57111511	Ederition	31011 000	or recon	3	Crop	LP3GC1	L/OII	HEITHAN				642.5001 TYPEB
	12+75	LT	W1-8	010	6	2	2	2	CHEVRON			PROJECT	EACH
	13+52 13+76	NW BRIDGE COR SW BRIDGE COR			3	1	1	1	TIGER BOARD TIGER BOARD				
	14+91	NE BRIDGE COR			3	1	1	1	TIGER BOARD		7:	894-03-73	1
	15+05	LT	W1-8	010	6	2	2	2	CHEVRON			TAA TOTAL (C)	1
	15+12	SE BRIDGE CORI			3	1	1	1	TIGER BOARD		IIE	EM TOTAL(S)	1
	16+25	LT	W1-8	010	6	2	2	2	CHEVRON				
	ITEM TOTAL(S)				30	10	10	10					
										PAVEM	ENT MARKING		
												646.1020 MARKING LINE	
			TF	PAFFIC CONTROL								EPOXY 4-INCH	
							Lil	STATION	LOCA	ATION	CATEGORY	LF	REMARKS
				643.5000	643.0420 TRAFFIC CONTROL	643.0705 TRAFFIC CONTROL	643.0900 TRAFFIC	40.40.45.0					5015151511011
				TRAFFIC		WARNING LIGHTS	CONTROL	13+16 - 15+3 13+16 - 15+3			010 010	446 446	DOUBLE YELLOW WHITE
			DURATION	CONTROL	TYPEIII	TYPEA	SIGNS	15+10 - 15+3	CATEGORY SUI		010	892	VVIIIE
_	STATION	CATEGORY	DAYS	EACH	NO DAYS		NO DAYS		2200 001			552	
	\$15 SCA 185 ESS	12,176%	120	9250	90000	92 attach	25.02	12+03 - 13+1	6 EDGE	LINE	030	226	WHITE
	12+03 - 17+26	010	60	1.0	16 960	28 1680	14 840	15+39 - 17+2			030	374	WHITE
_	ITEM TOTAL(S)			1.0	960	1680	840	12+03 - 13+1			030	226	DOUBLE YELLOW
	TENTIONE(3)			1.0	300	1000	540	15+39 - 17+2			030	374	DOUBLE YELLOW
									CATEGORY SUI	BTOTAL		1200	
			COL	NSTRUCTION STAKIN	NC.				GRAND TO	DTAL		2092	
			<u>co</u>	NO I RUC HON STANI	<u>10</u>	650.9910							
			650.4500	650.5000	650.6500*	SUPPLIMENTAL	650.9920						
			SUBGRADE	BASE	STRUCTURE	CONTROL	SLOPESTAKES				624	VIII NO	
	STATION - STA	ATION	LF	LF	LS	LS	LF				SA	WING	
	12+03 - 13+16 (BEAMG	LIARD GRADING)	<u> </u>	_	2	2	113						690.0150
	13+16 - 13		51	51	_		51						ASPHALT
	13+67 - 14		=	-	1.0	8	-		_	STATION	CATEGORY	LOCATION	LF
	14+88 - 15		51	51	-	5	51			12.02	010	DT/LT	22
	15+39 - 17+26 (BEAMG		7.	ā	5		187			12+03 17+26	010 010	RT/LT RT/LT	22 22
	12+03 - 17	7+26	7.	<u></u>		1.0	· ·		=		. 3.53		
	ITEM TOTA	AL(S)	102	102	1.0	1.0	402			ITEM TOTAL(S)			44
					*CATEGORY 020								
DJECT	NO: 7894-03-73		HWY: CTH C)	COUNT	Y: PIERCE		MISCELLANEOUS QUA	ANTITIES			S	HEET

FILE NAME: I:\CLIENTS-MENO\W\W3900 WDOT NW REGION - EAU CLAIRE\024 7894-03-03 STH 35 - USH 10 TRIMBELLE RIVER BRIDGE B-47-0048 CTH O PIERCE COUNTY\78940300\SHEETSPLAN\030201-MQ.DWG PLOT DATE: 12/21/2020 8:54 AM LAYOUT NAME - SHT 04

WISDOT/CADDS SHEET 42

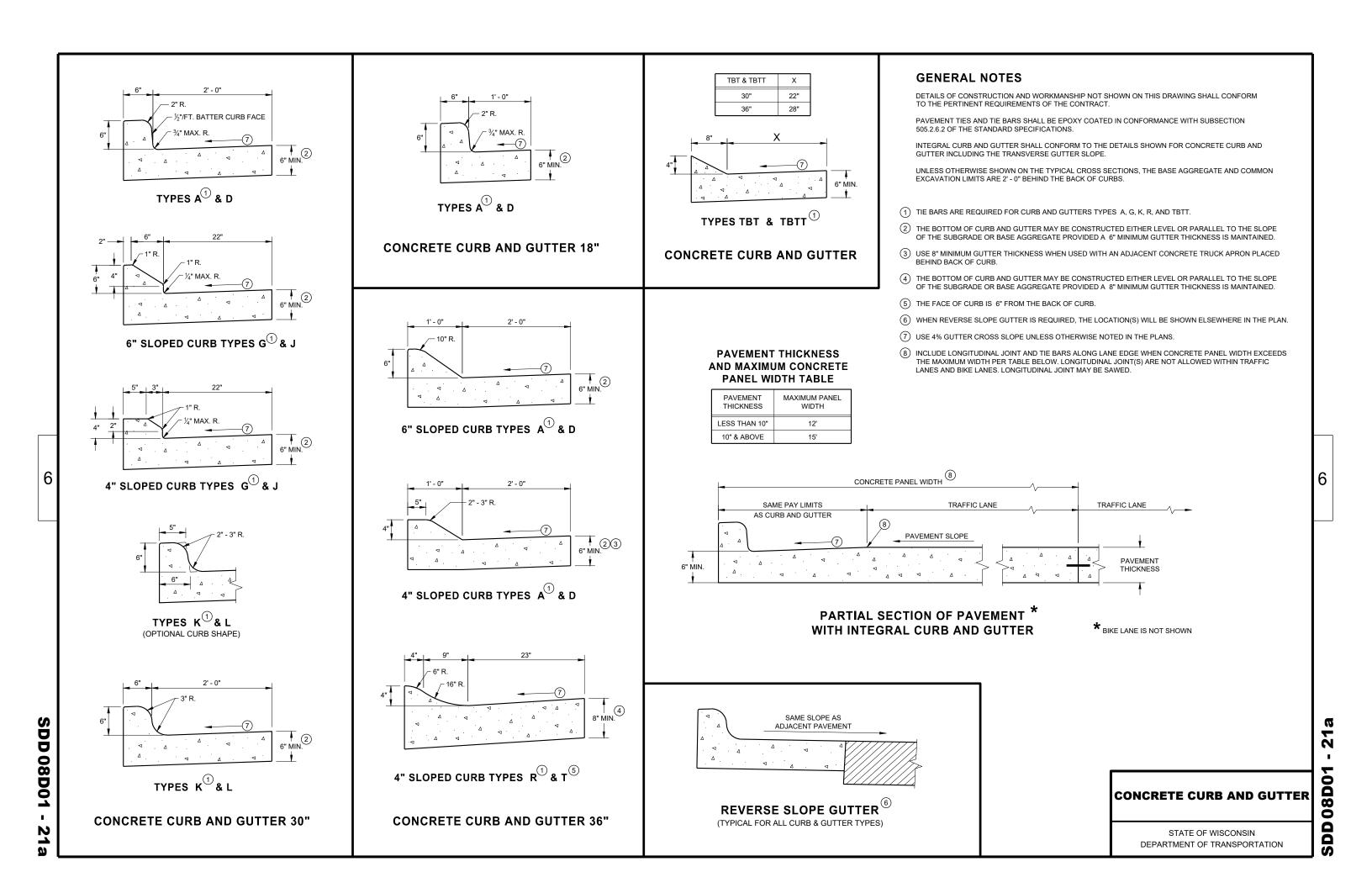
PLOT SCALE :

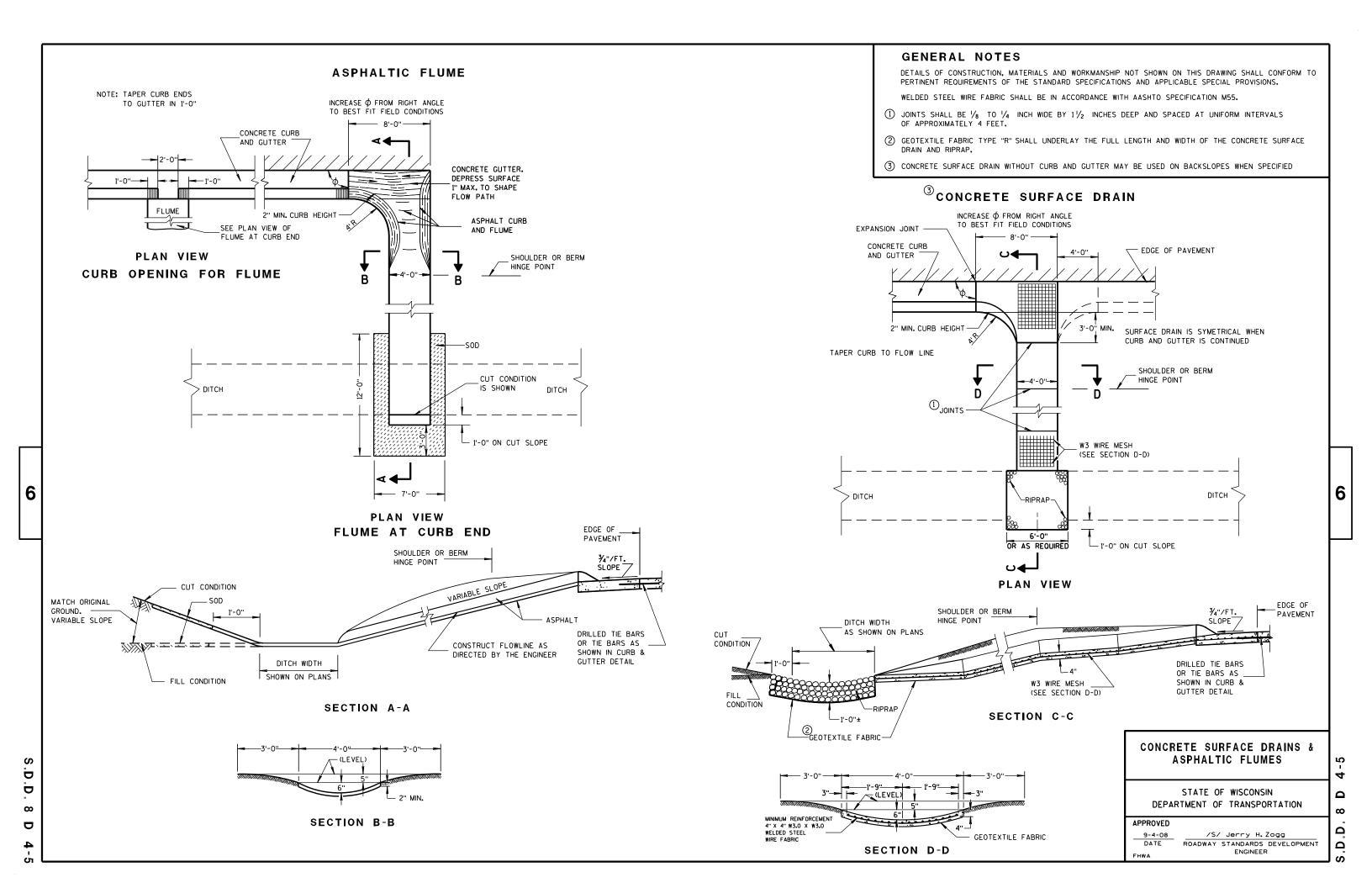


Standard Detail Drawing List

08D01-21A	CONCRETE CURB & GUTTER
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E09-06	SILT FENCE
12A03-10	NAME PLATE (STRUCTURES)
14B42-06A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-06D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	
14B44-04B	
	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
	SIGNING & MARKING FOR TWO LANE BRIDGES
	LONGITUDINAL MARKING (MAINLINE)
	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

6





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.

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- 2 FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 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)

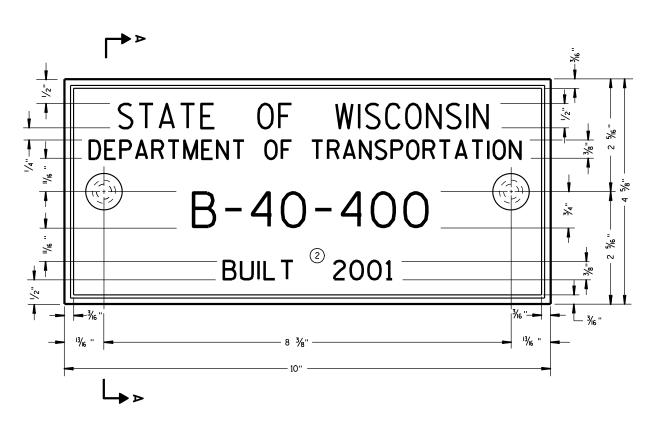


SILT FENCE

တ ∞

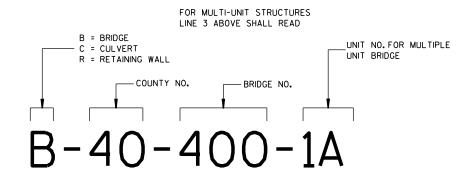
6





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



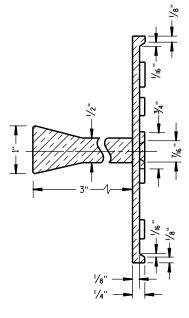
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

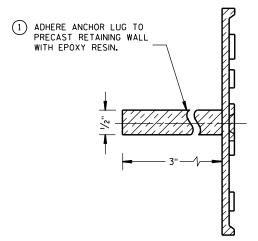
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

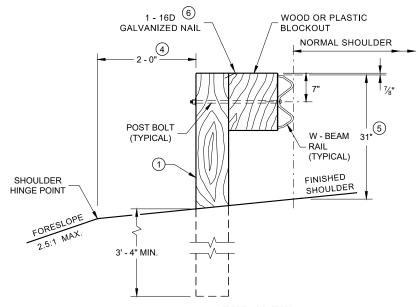
NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

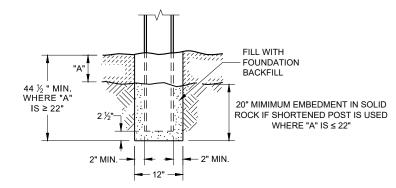
APPROVED

 D. 12 A 3-10

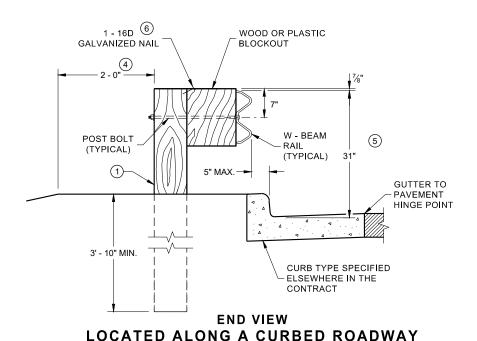
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- $\ \, \ \,$ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 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
- 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).
- $_{\mbox{\scriptsize (5)}}$ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS +1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 $^3\!4''$ 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.

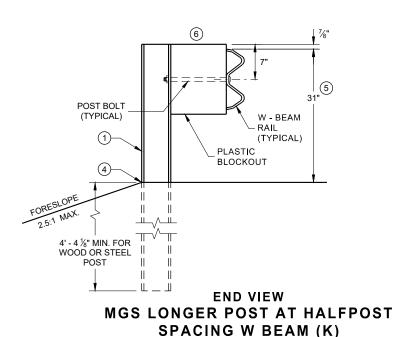


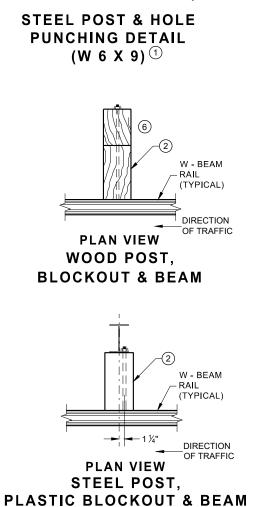
END VIEW LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION

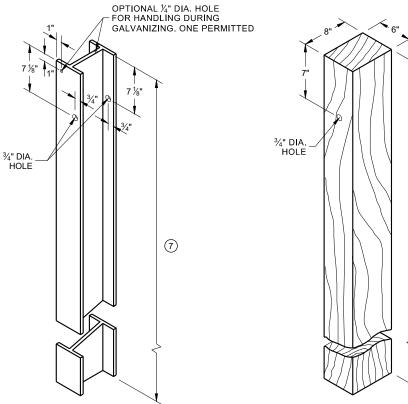


END VIEW SETTING STEEL OR WOOD POST IN ROCK

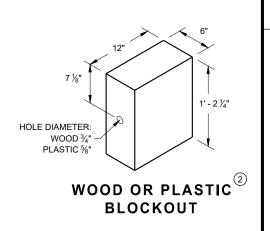








WOOD POST (6" X 8") NOMINAL



MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION SD

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

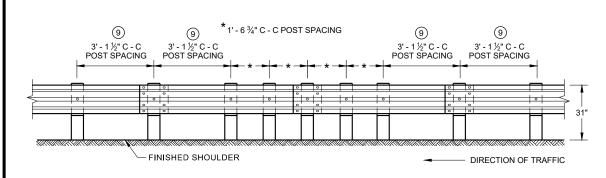
POST SPACING

DIRECTION OF TRAFFIC

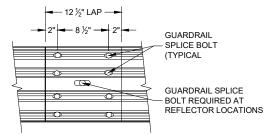
6' - 3" C -C

POST SPACING

FINISHED SHOULDER

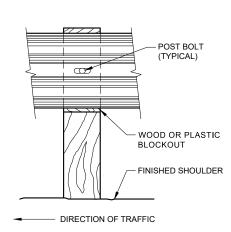


FRONT VIEW **QUARTER POST SPACING (QS)**



FRONT VIEW MID-SPAN BEAM SPLICE

FRONT VIEW AT STEEL POST



GENERAL NOTES

OF QUARTER POST SPACING.

RECESSED (DR) HEAVY HEX NUT.

OF THE ENERGY ABSORBING TERMINAL.

DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS

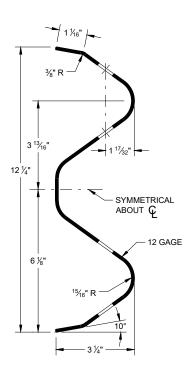
POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT

GUARD RAIL SPLICE BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES %" DIAMETER A563A DOUBLE

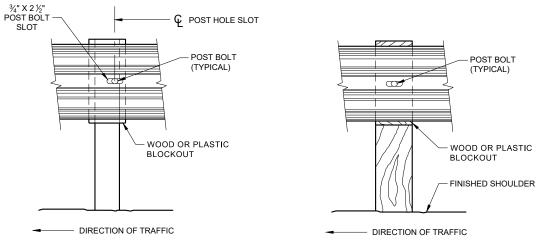
REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %"

DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS

FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



4" X 12" DELINEATOR REFLECTOR (REFER TO SDD 15A4 FOR DELINEATOR SPACING) WOOD OR PLASTIC BLOCKOUT MOUNT WITH TWO 3/16" X 2 1/2" TRIPLE COATED SCREWS WITH WASHERS WOOD OR STEEL POST - DIRECTION OF TRAFFIC

ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

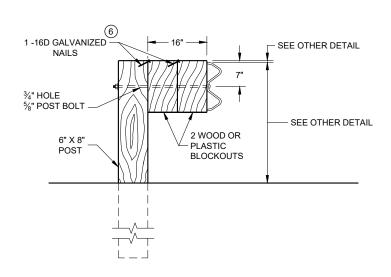
90

<u>4</u>

SDD

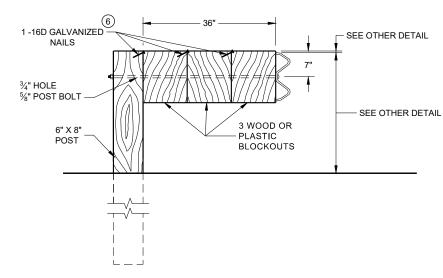
6

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.



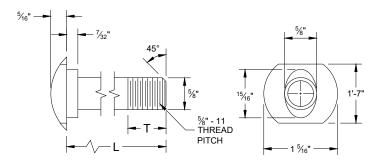
DETAIL FOR 36" BLOCKOUT DEPTH

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.

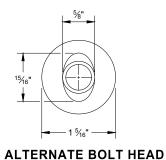
NOTE:

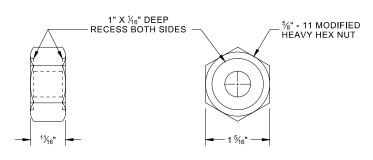
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{3}{16}$ ".
- 2. IF THE BOLT EXTENDS MORE THAN $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



POST BOLT TABLE

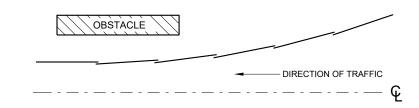
L	T (MIN.)
1 1⁄4"	1 1/4"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



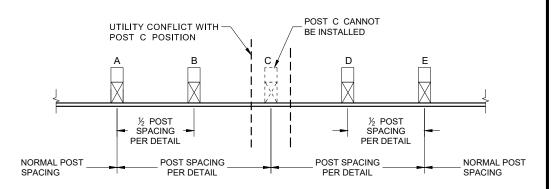


POST BOLT, SPLICE BOLT AND RECESS NUT

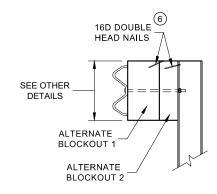
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

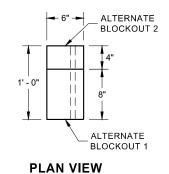


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

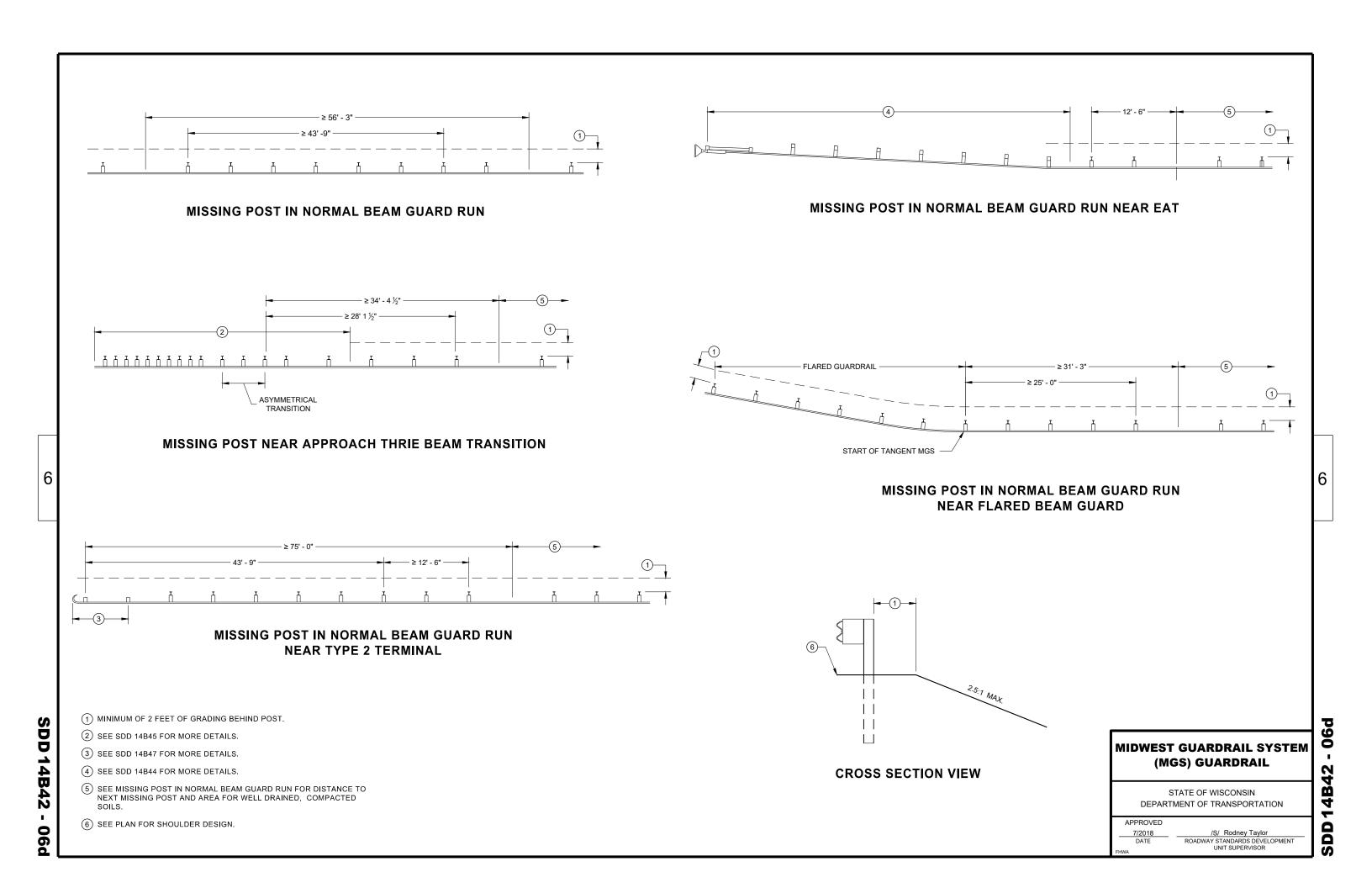
ALTERNATE WOOD BLOCKOUT DETAIL

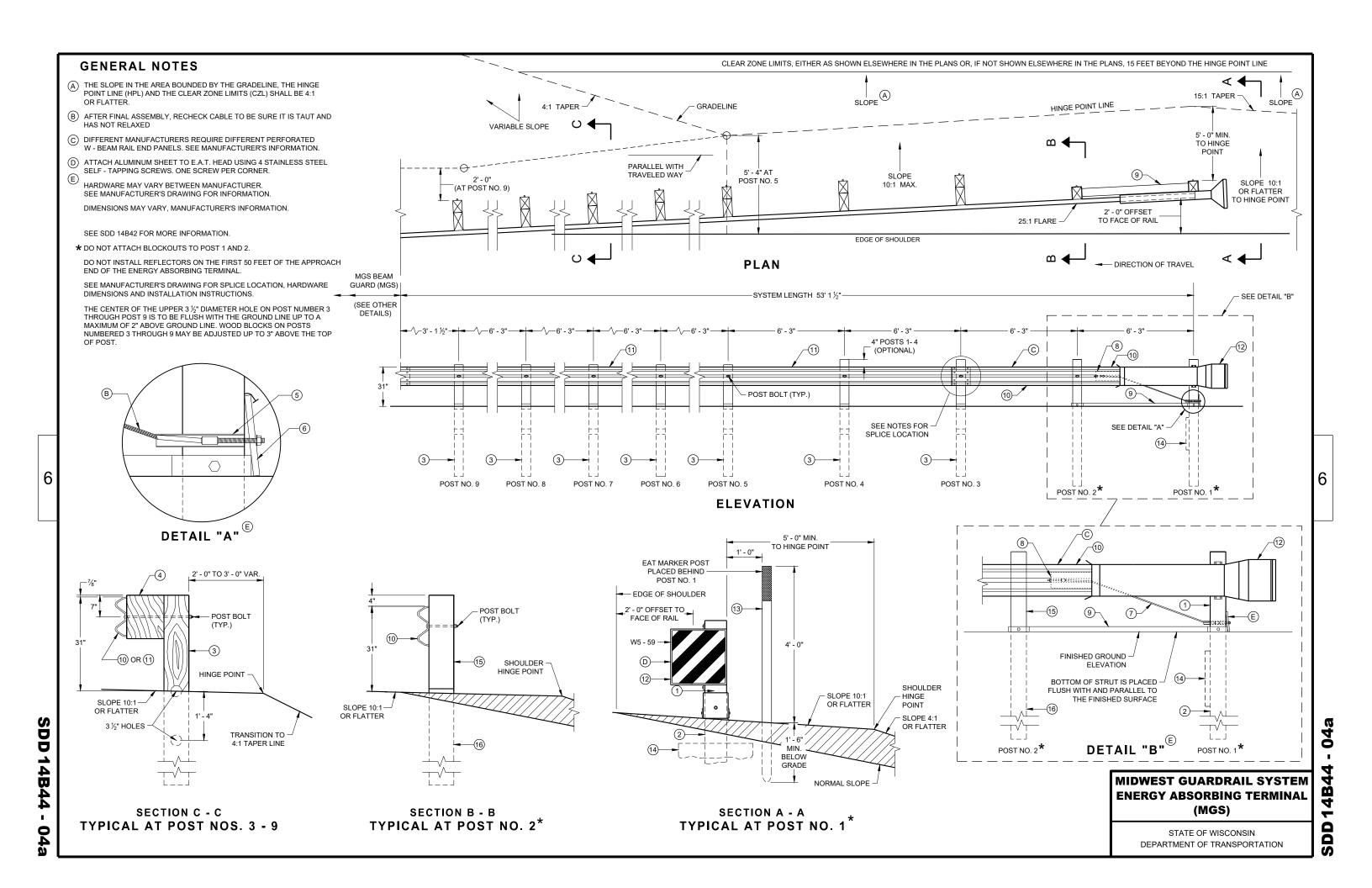
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

90

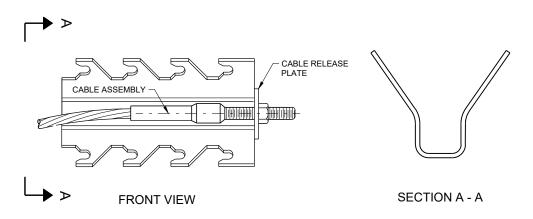
SD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

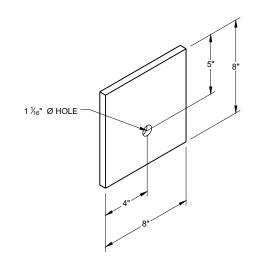




GENERIC GROUND STRUT



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



BEARING PLATE

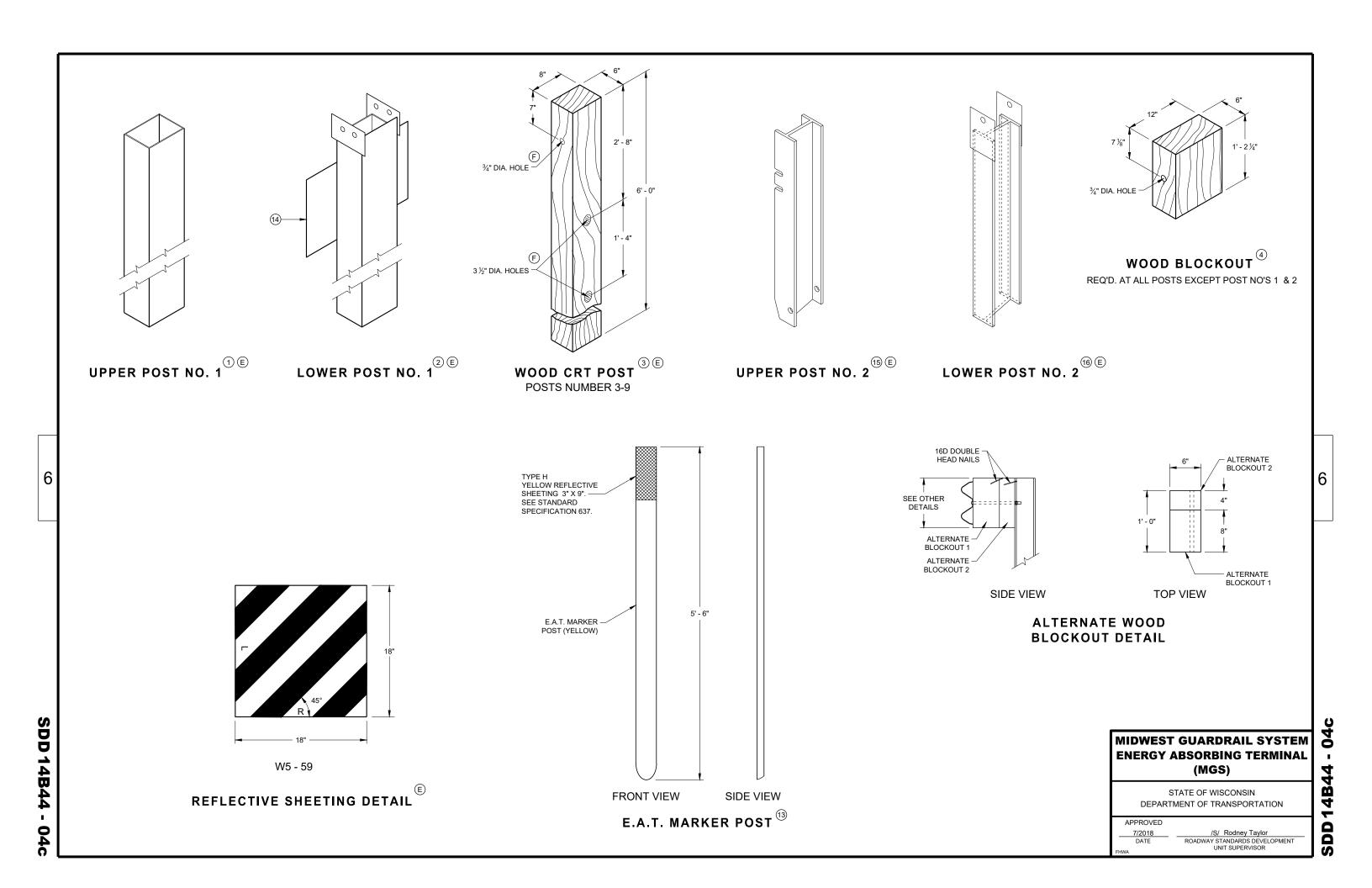
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

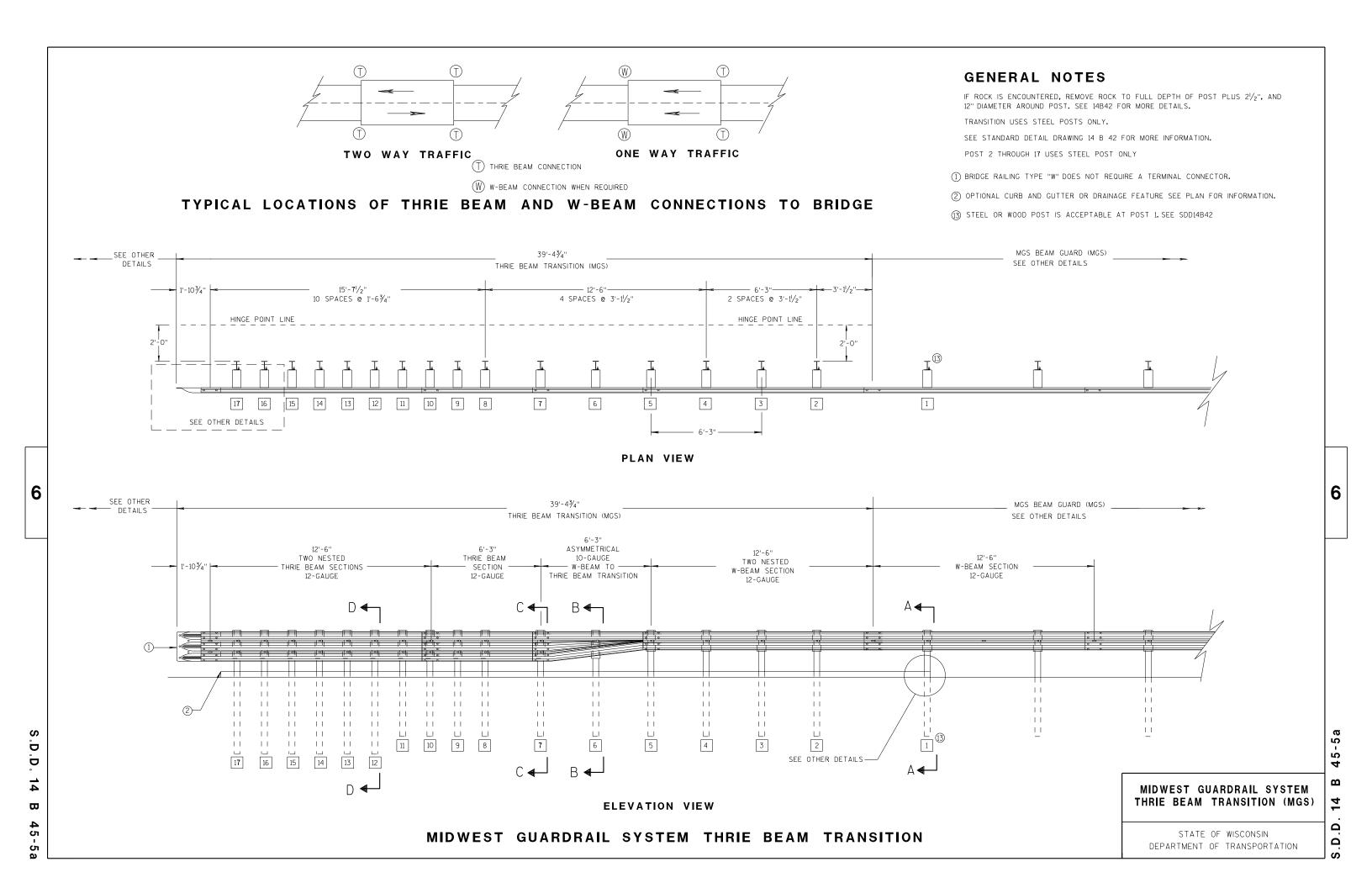
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

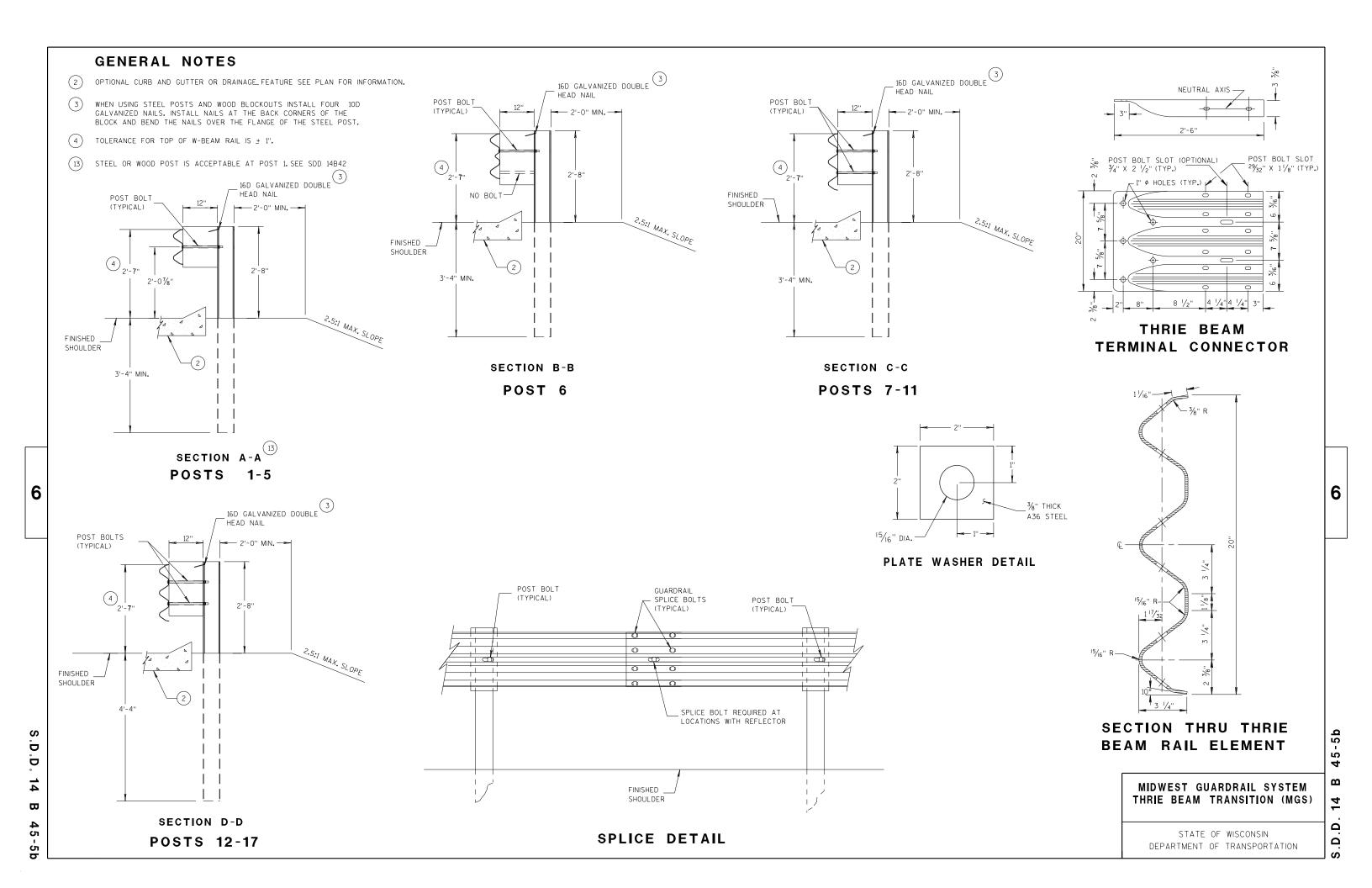
6

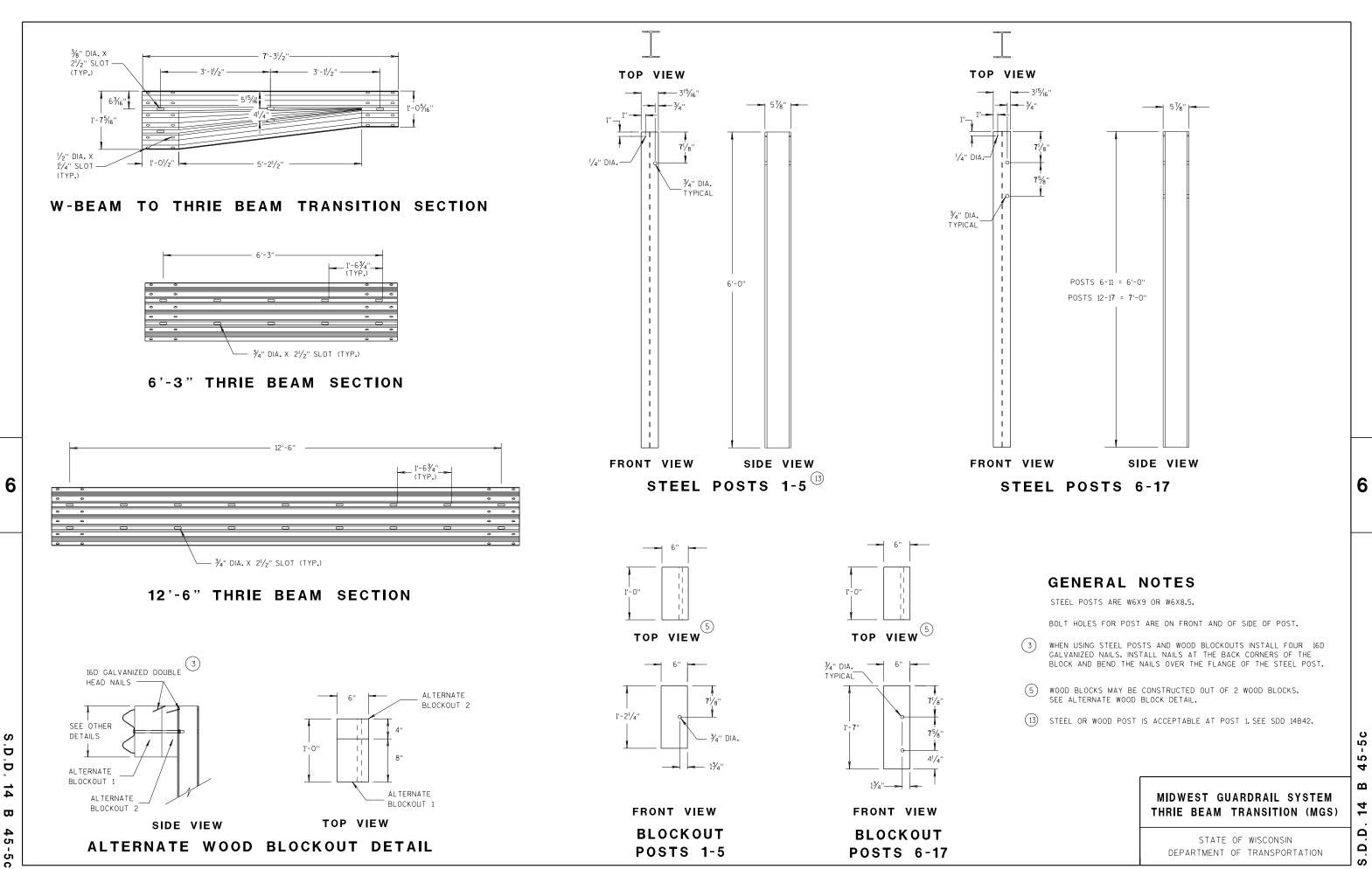
SDD 14B44

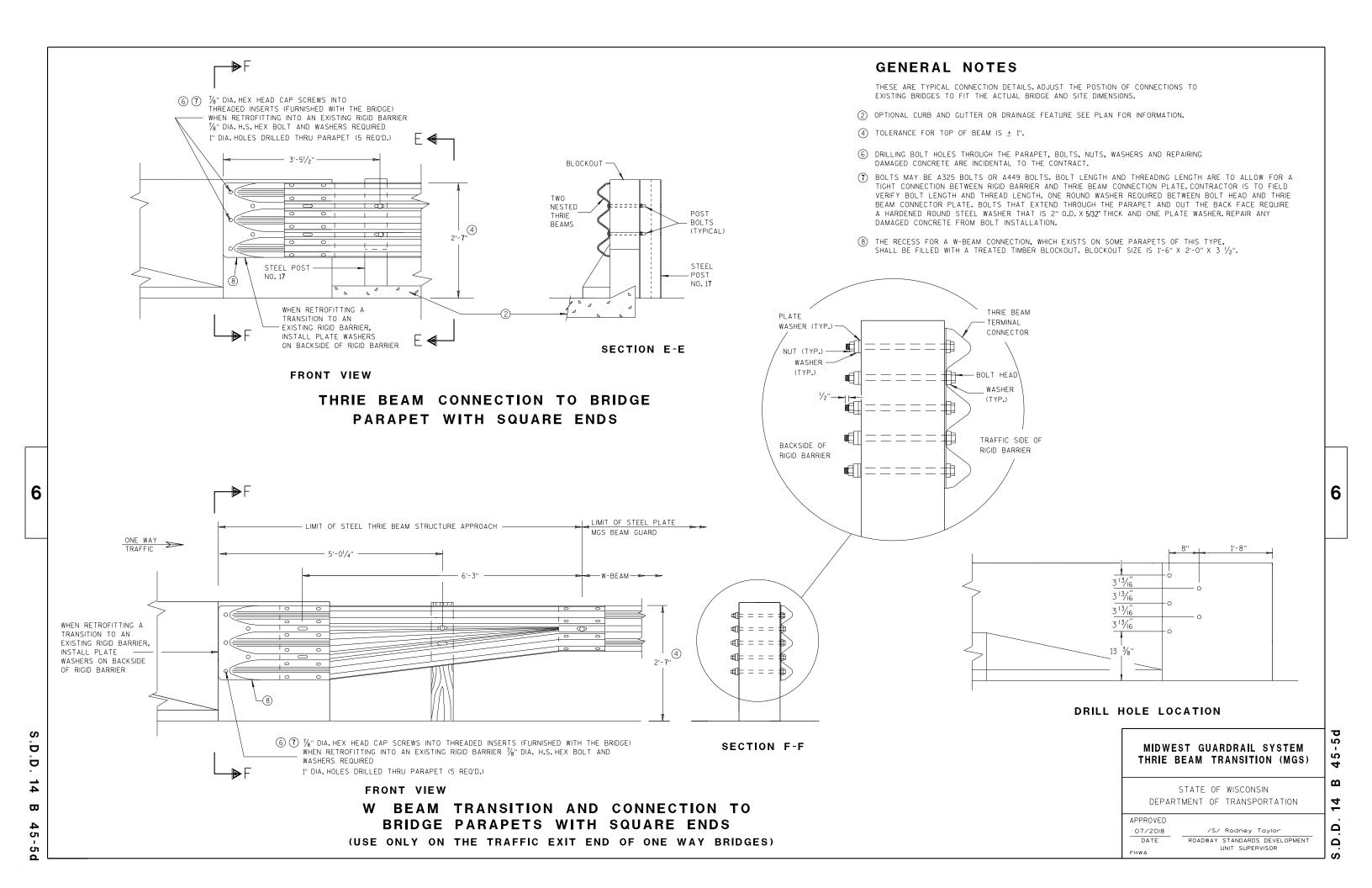
SDD 14B44 - 04

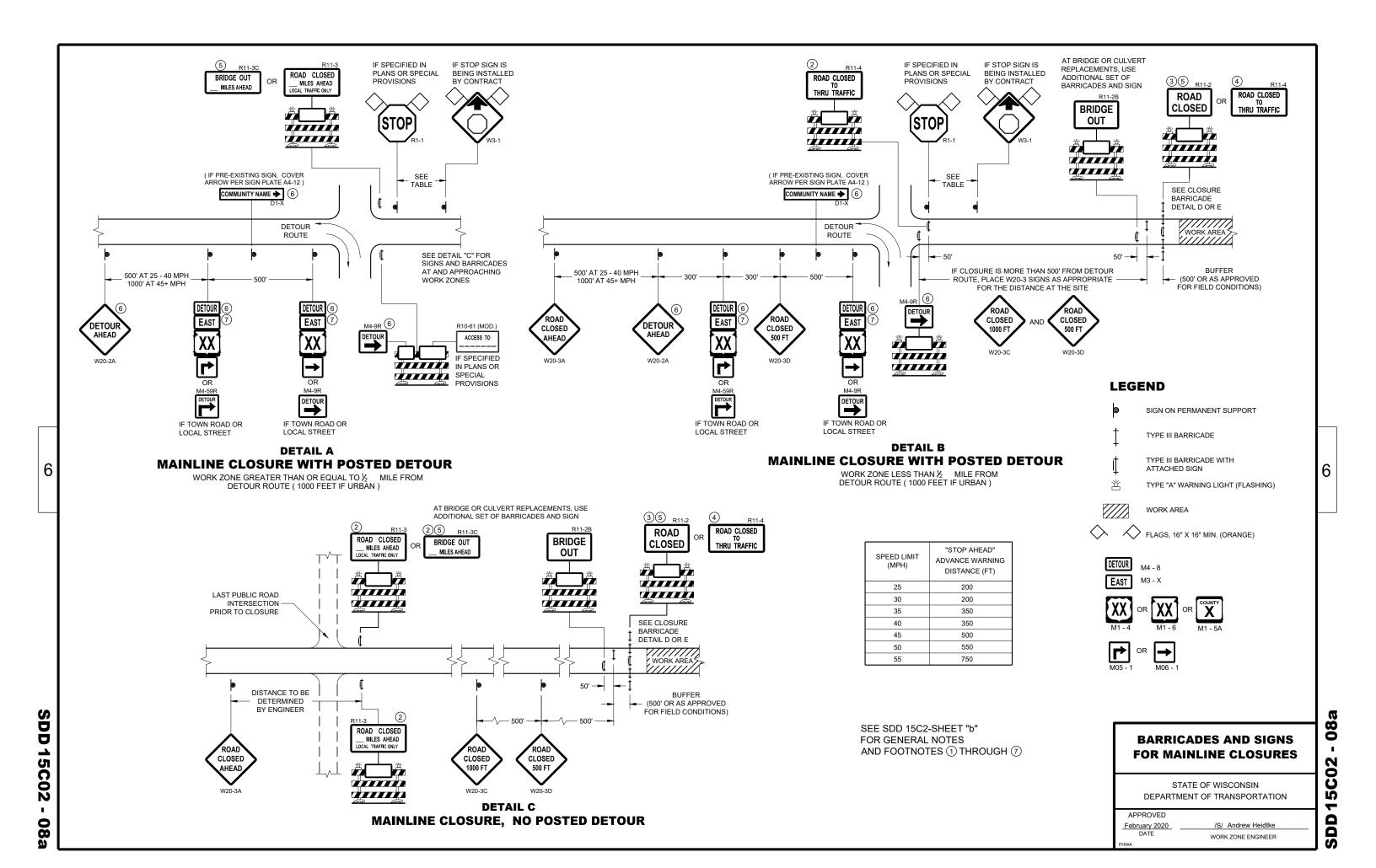


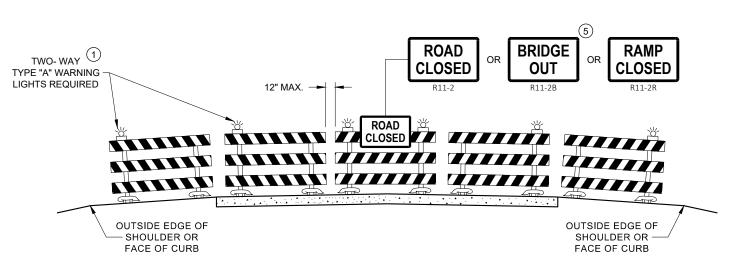




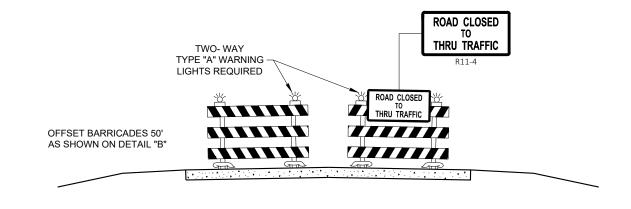








DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



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 SUPPORTS

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

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

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)

D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- 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 SIGNS AS SHOWN.
- (7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

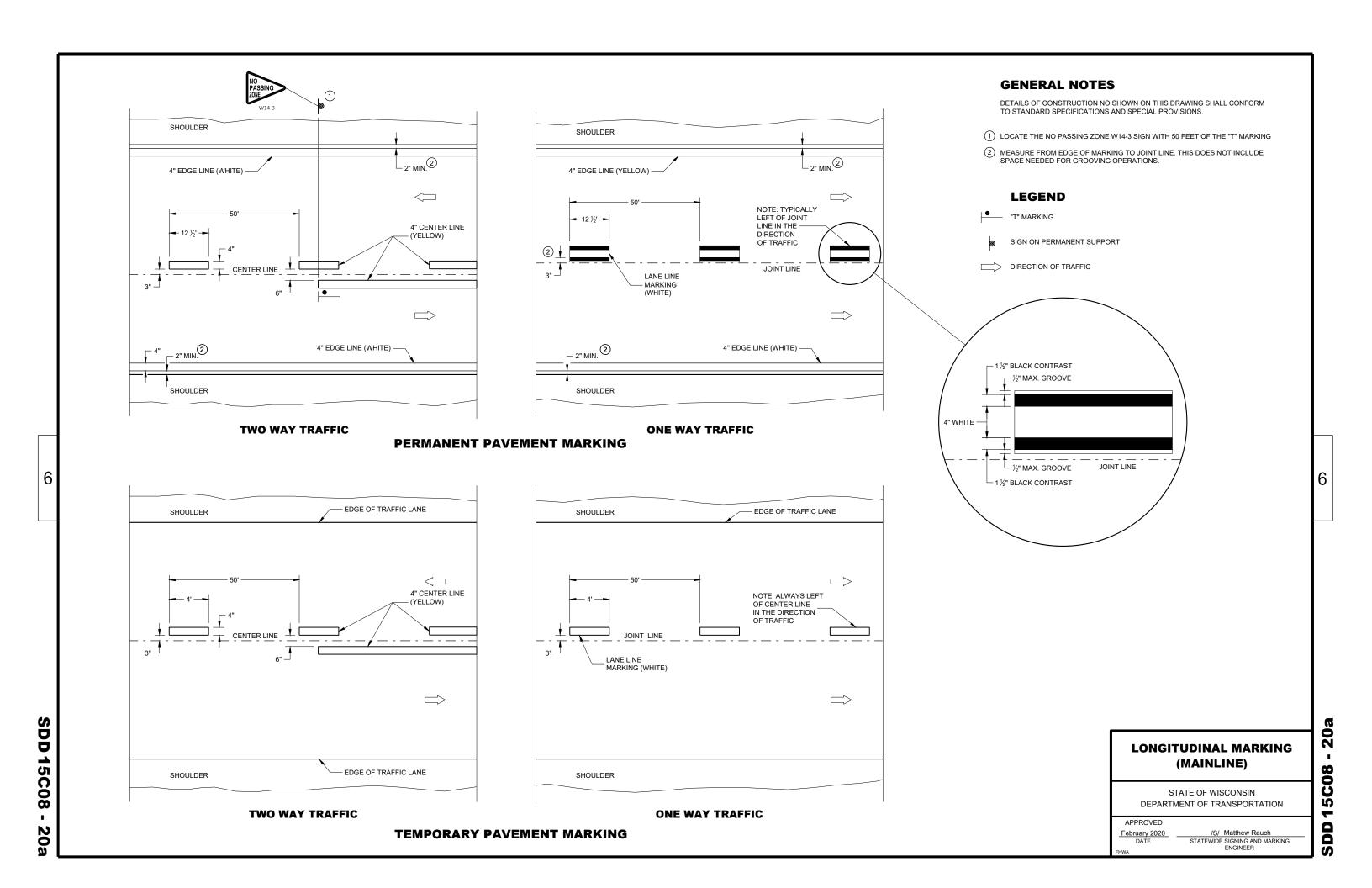
APPROVED

February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

DD 15C02 - 08







TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	s
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

D D 15 D ∞

6

Δ

 ∞

6

- 11/2" DIAMETER HOLES

Ω

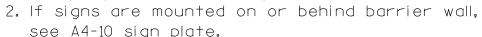
Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

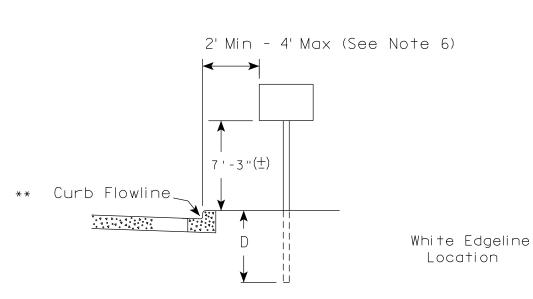
APPROVED

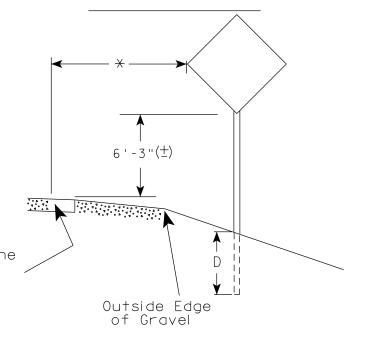
June 2017 DATE



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



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

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.
- ** * See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





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

HWY:

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

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

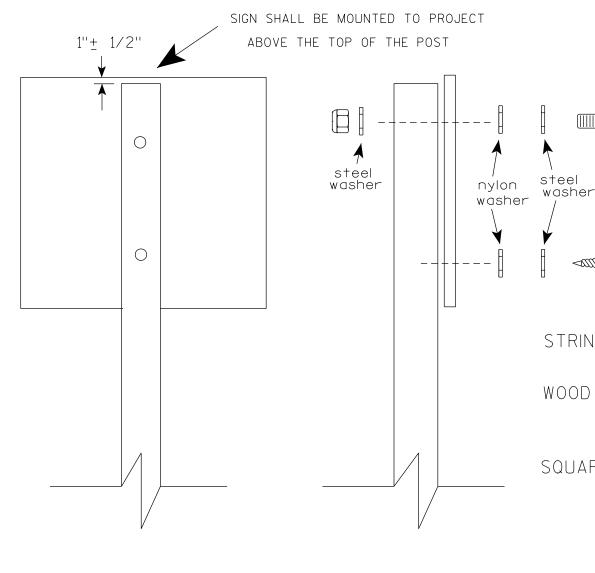
WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



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 - 3/32 " (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

APPROVED

DATE 4/1/2020

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET 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

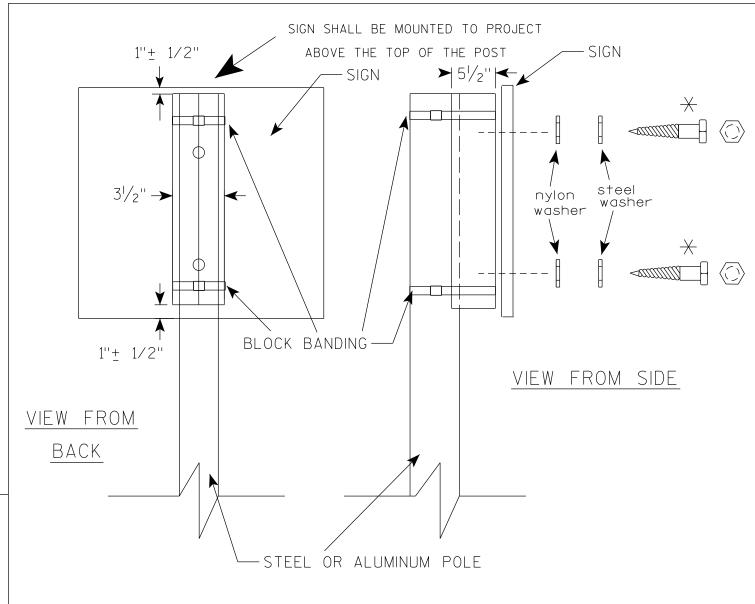
State Traffic Engineer

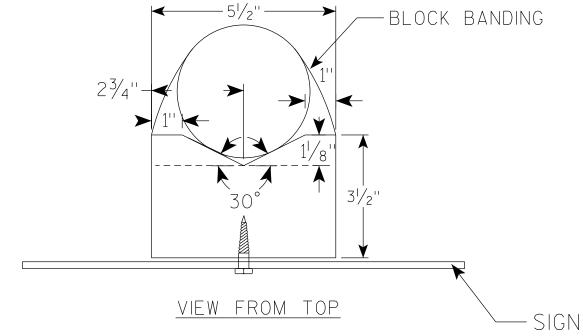
COUNTY:

PLOT NAME :

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

PROJECT NO:





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

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Matthew R

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>6/10/19</u>

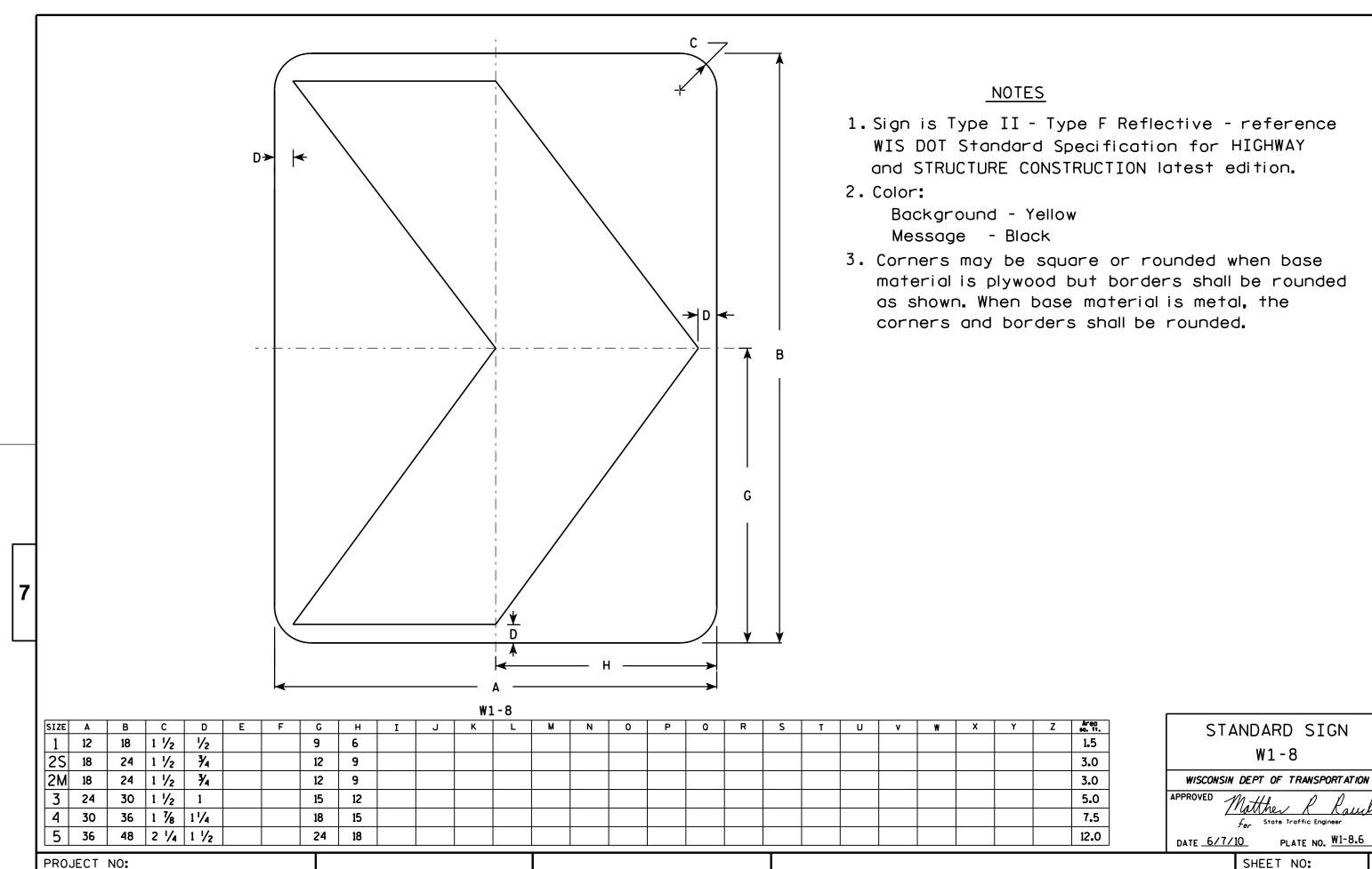
PLATE NO. <u>A5-10.2</u>

PROJECT NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PLOT DATE: 10-JUN 2019 4:15

PLOT BY : mscj9h



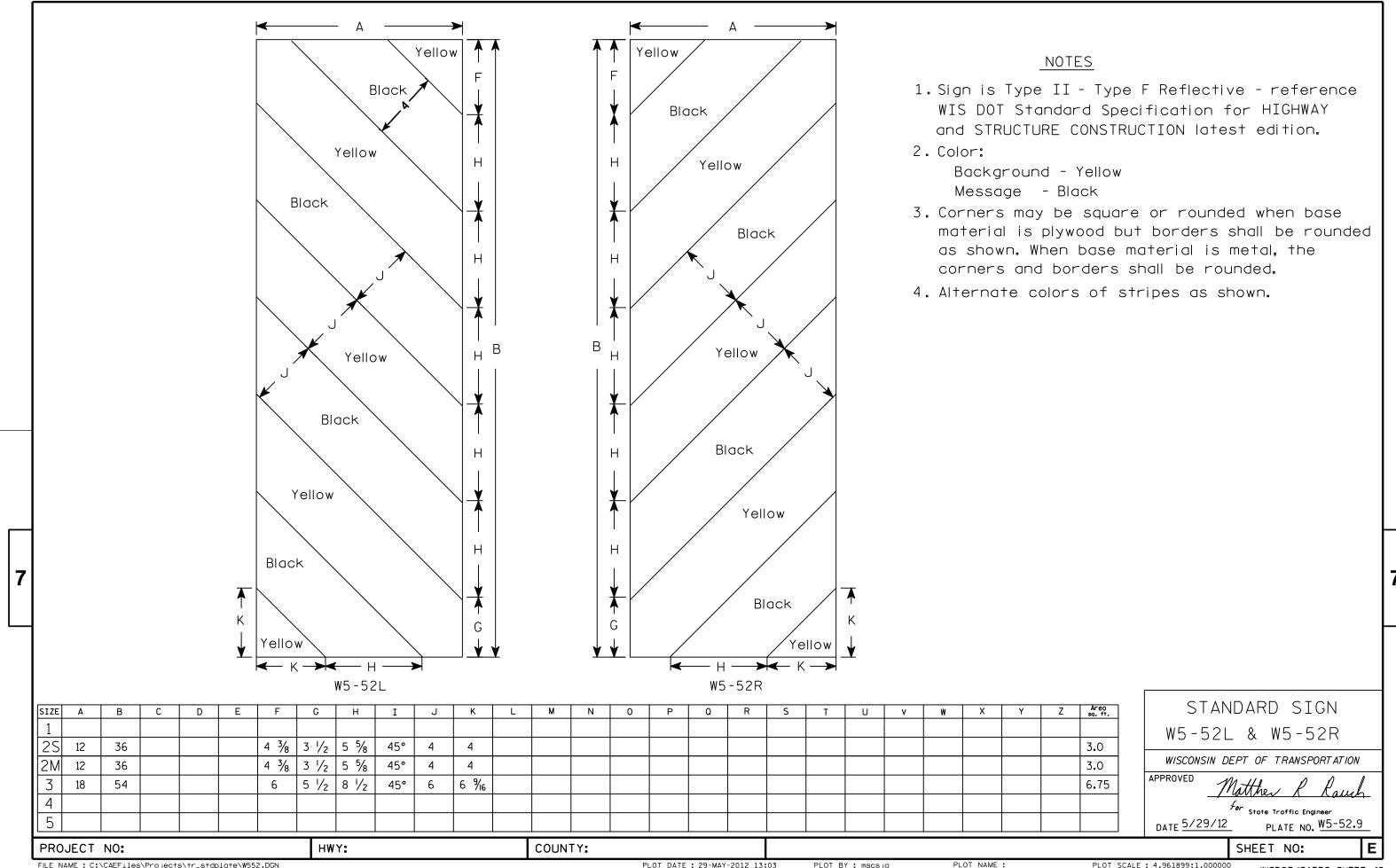
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W18.DGN

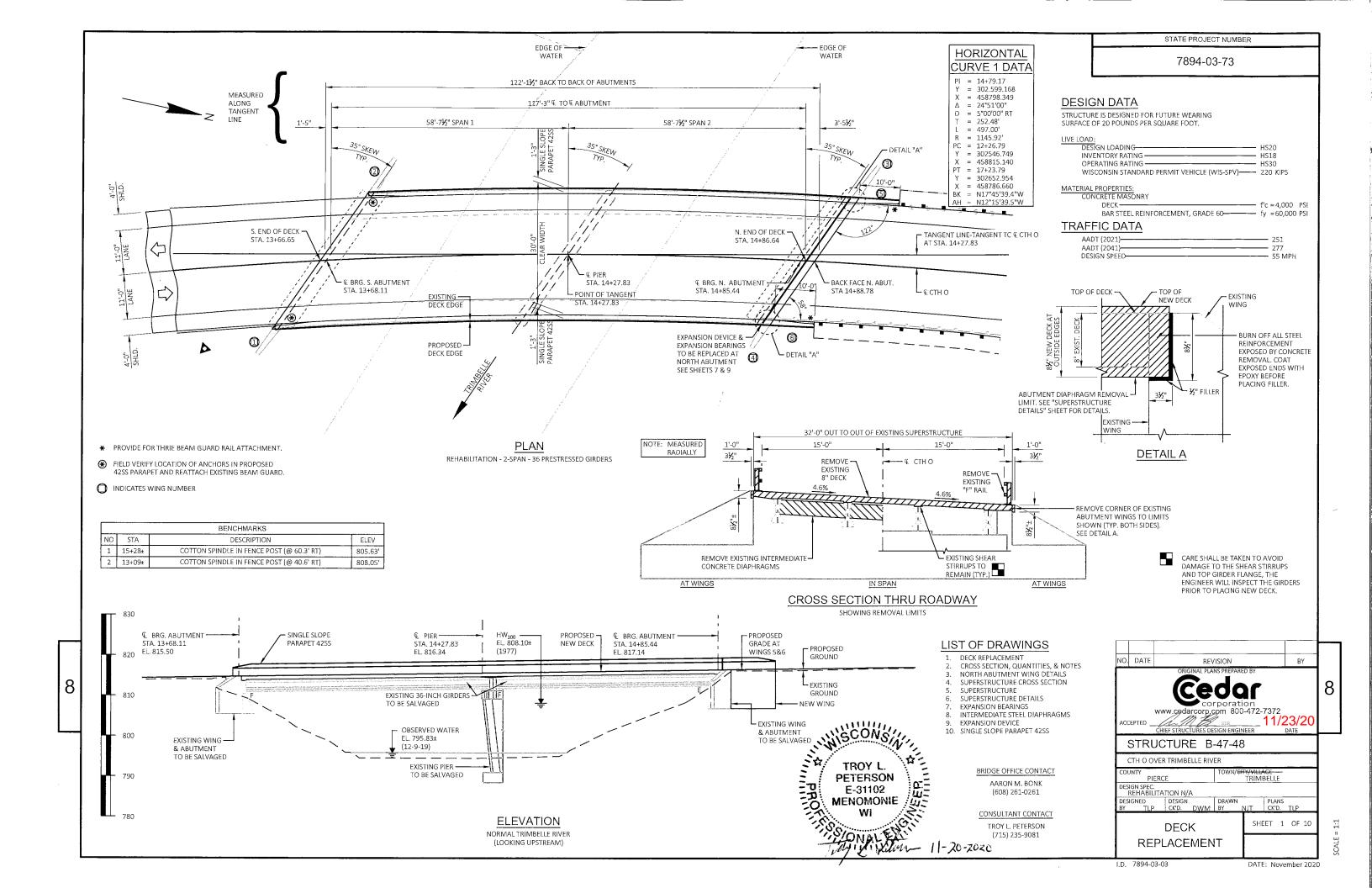
PLOT DATE: 07-JUN-2010 12:55 PLOT BY : ditjph PLATE NO. W1-8.6

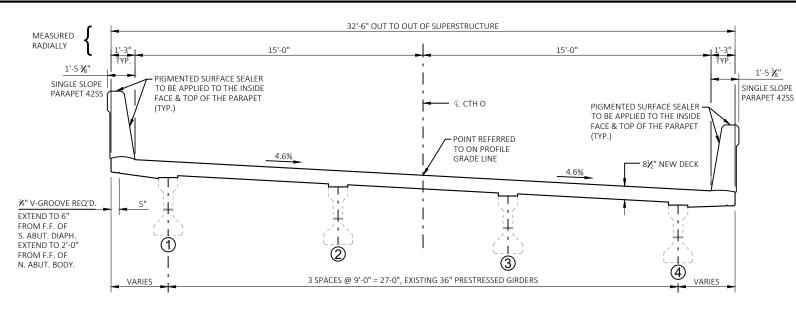
W1 - 8

For State Traffic Engineer

SHEET NO:







CROSS SECTION THRU ROADWAY LOOKING UP STATION

SOUTH

ABUT.

UNIT

SIZE

NORTH

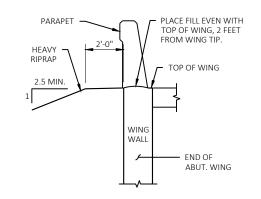
ABUT.

PIER

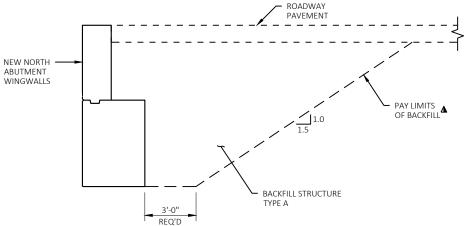
SUPER.

TOTALS

½" X¾"



TYPICAL FILL SECTION AT WING TIPS



STRUCTURE BACKFILL & LIMITS

BEGIN PROJECT STA. 12+03.00 / EL.813.07	© BRG. SOUTH ABUTIMENT	27.83 / EL. 816	© BRG. NORTH ABUTMENT PVI. STA. 14+85.44 / EL. 817.14 PVI. STA. 15+30.00 EL. 817.77		160.00 39.15	END PROJECT STA. 17+26.00 / EL. 821.50	
8 8	1.48%	1.	1.55% 000 P+51 V ALS Odd		VPI EL 819.16 VPT STA 17+00.00	2.21% CPT EL 820.93	
PROFILE GRADE LINE - CTH O NOT TO SCALE							

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL STATIONS AND ALL ELEVATIONS ARE IN FEET.

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

THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

STATE PROJECT NUMBER

7894-03-73

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M 153, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M 213.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1" DEEP SAW CUT.

BEVEL EXPOSED EDGES OF CONCRETE $rac{1}{3}$ " UNLESS OTHERWISE NOTED.

PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE ENTIRE

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS

UTILIZE BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE

VARIATIONS TO THE NEW GRADE LINE OVER $\mbox{\ensuremath{\cancel{\mbox{\sc T}}}}^{\prime\prime}$ must be submitted by the field engineer to the structures design section for

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE SUPERSTRUCTURE CROSS SECTION.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-47-48" SHALL BE THE EXISTING GROUNDLINE.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE INSIDE AND TOP SURFACES OF PARAPETS.

CONCRETE SURFACE REPAIR IS TO PATCH EXISTING SPALLS ON GIRDER #4 WEB AND PILASTER AT PIER.

REMOVING OLD STRUCTURE (STA 14+27.83) OVER WATERWAY WITH MINIMAL DEBRIS 203.0600.S LS EXCAVATION FOR STRUCTURES BRIDGES B-47-48 206 1000 BACKFILL STRUCTURE TYPE A TON 210 210 210.1500 CONCRETE MASONRY BRIDGES CY 19 148 167 502.0100 502.3101 EXPANSION DEVICE 400 PROTECTIVE SURFACE TREATMENT PIGMENTED SURFACE SEALER 130 130 502.4205 ADHESIVE ANCHORS NO. 5 BAR 39 502,4206 ADHESIVE ANCHORS NO. 6 BAR EΑ 24 24 505.0600 BAR STEEL REINFORCEMENT HS COATED STRUCTURES LB 1470 34910 36380 506.2610 BEARING PADS ELASTOMERIC LAMINATED 506.4000 STEEL DIAPHRAGMS B-47-48 FA 506 7050 S REMOVING BEARINGS FΑ 4 509.1500 CONCRETE SURFACE REPAIR 10 10 516.0500 RUBBERIZED MEMBRANE WATERPROOFING 614.0150 ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD EACH NON-BID ITEMS

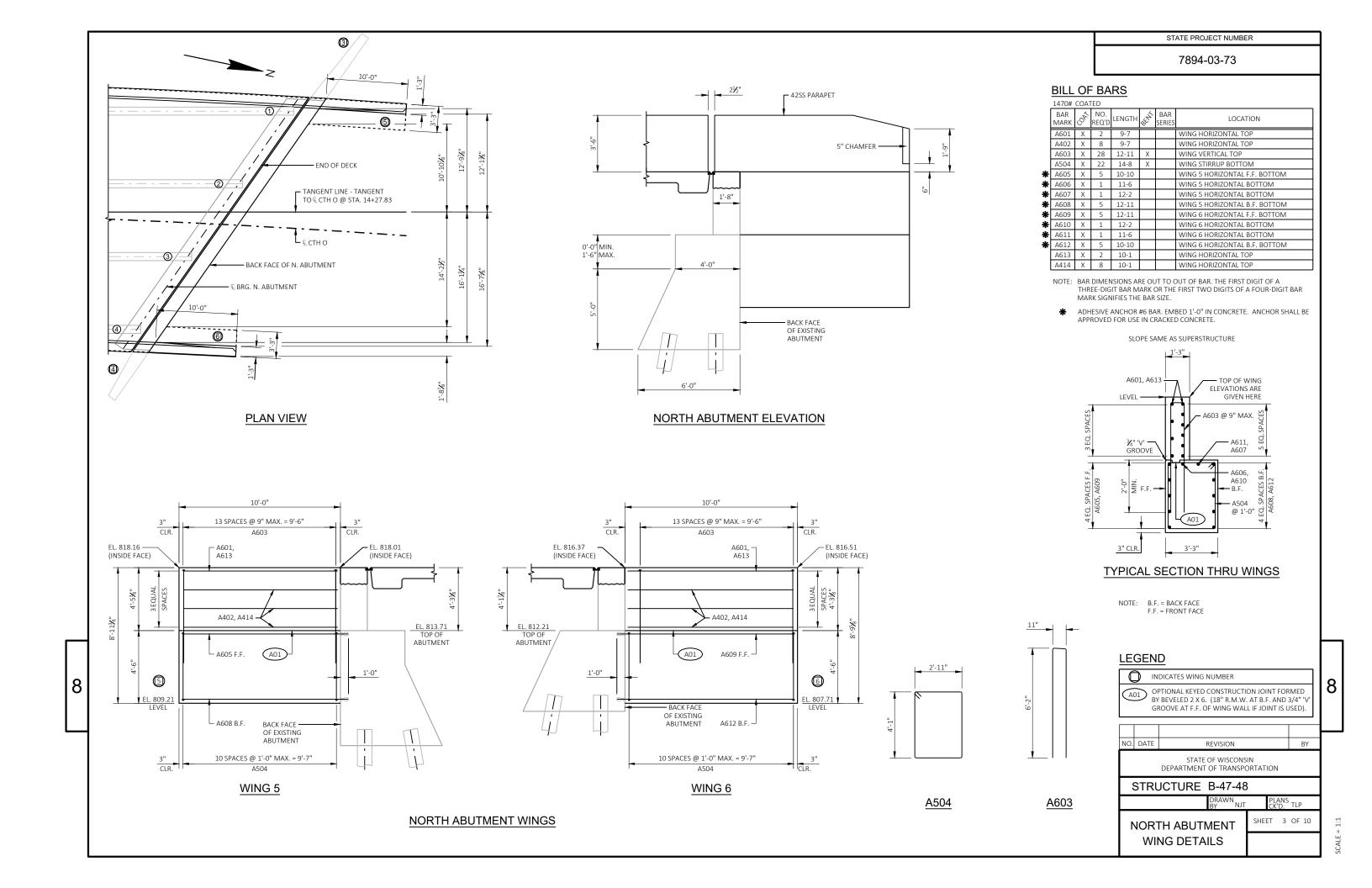
TOTAL ESTIMATED QUANTITIES

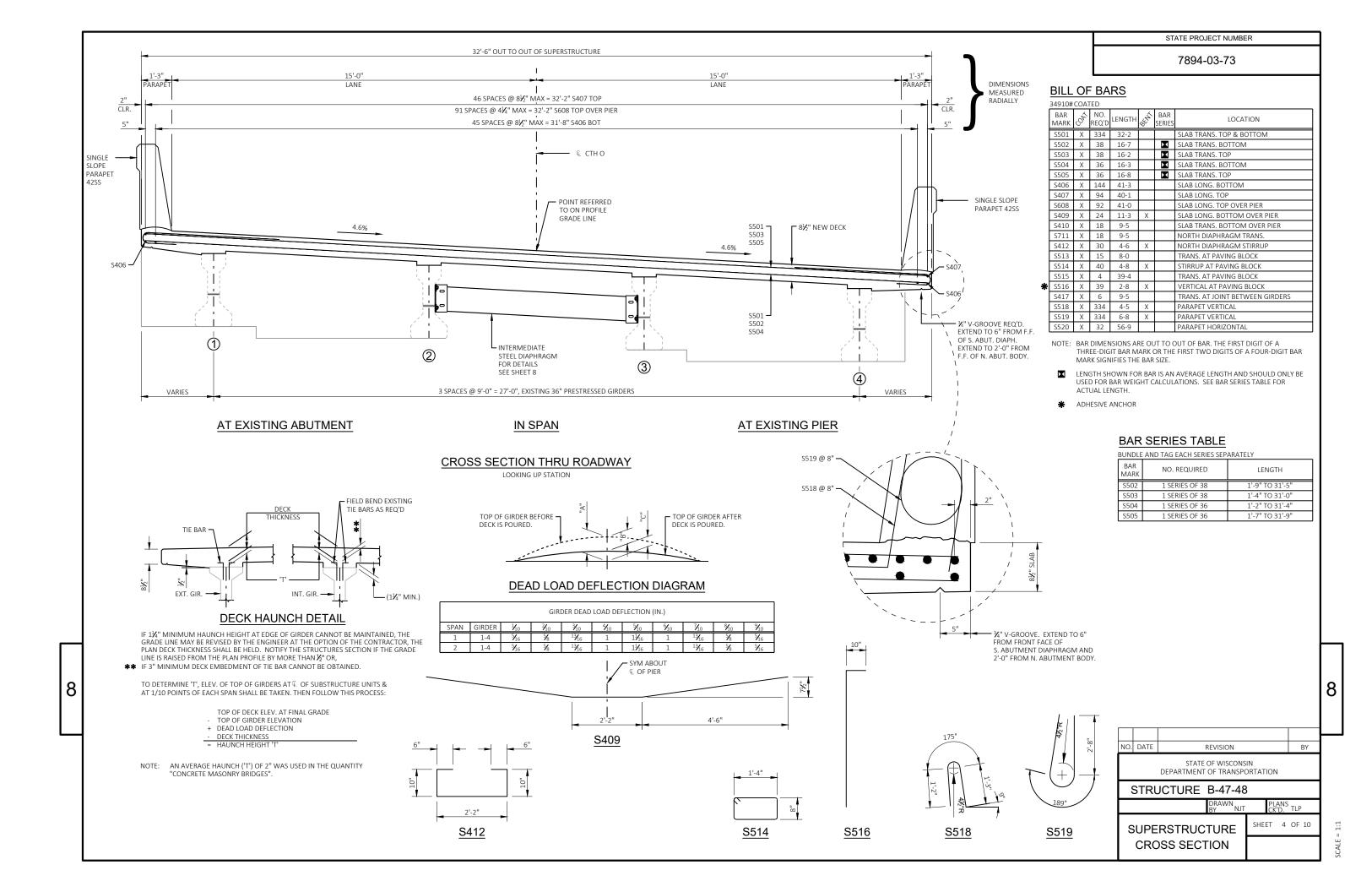
BID ITEMS

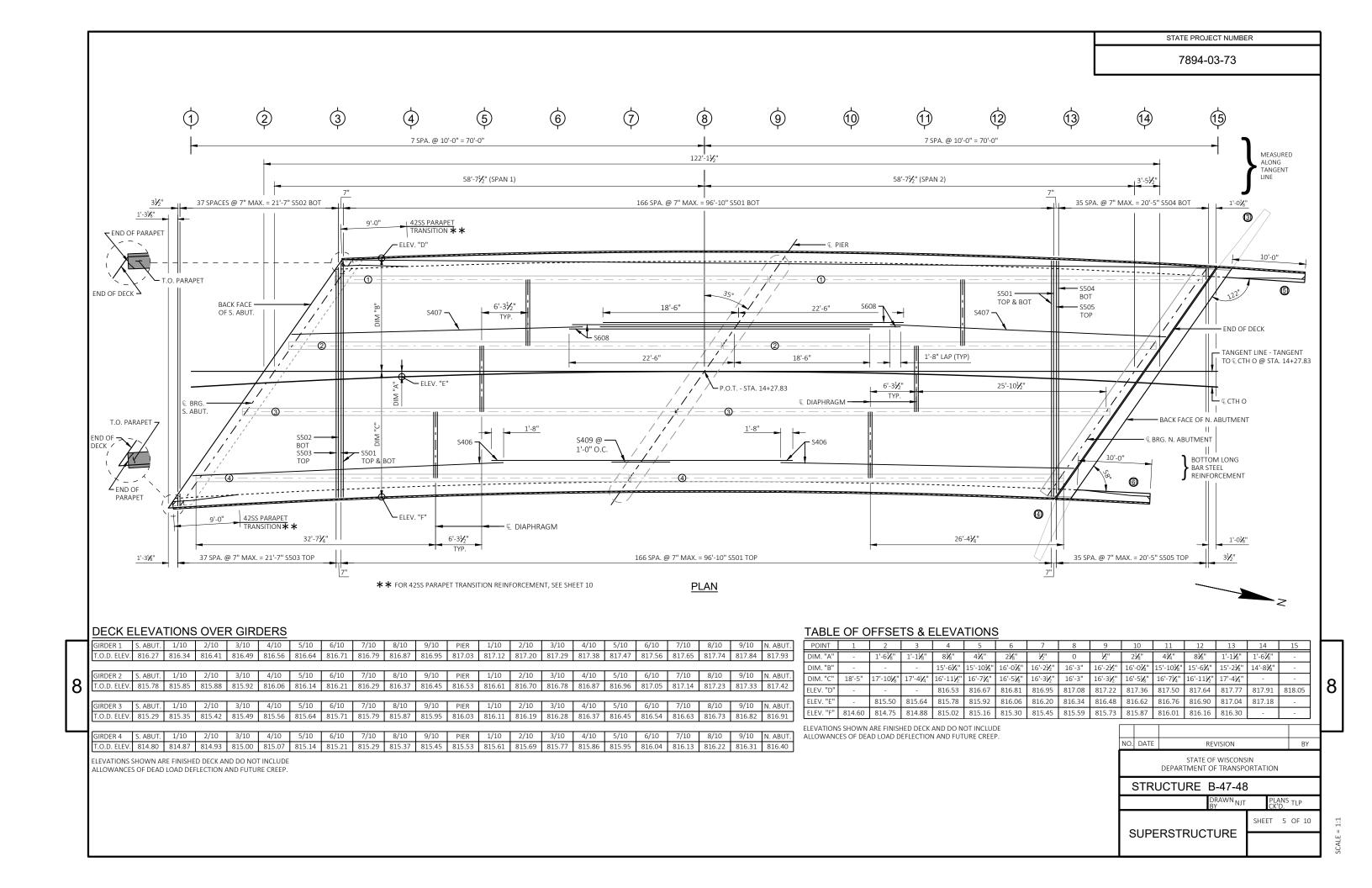
ITEM NUMBER

FILLER

NO. DATE REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-47-48 SHEET 2 OF 10 CROSS SECTION, QUANTITIES, & NOTES







7894-03-73

GENERAL NOTES

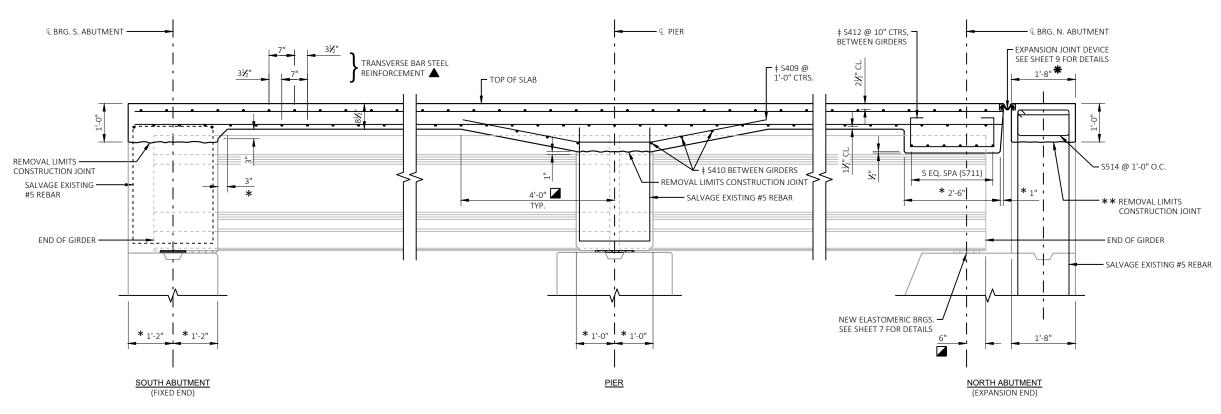
☐ DIMENSION IS TAKEN PARALLEL TO € GIRDER

* DIMENSION IS TAKEN NORMAL TO ${\mathbb Q}$ SUBSTRUCTURE UNITS.

BARS PLACED PARALLEL TO GIRDERS.
 SPACING PERPENDICULAR TO CL GIRDERS.

▲ DIMENSIONS MEASURED ALONG TANGENT LINE

** POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE.



PART LONGITUDINAL SECTION

8

NO. DATE REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-47-48 PLANS CK'D. TLP SHEET 6 OF 10 SUPERSTRUCTURE DETAILS

8



7894-03-73

GENERAL NOTES

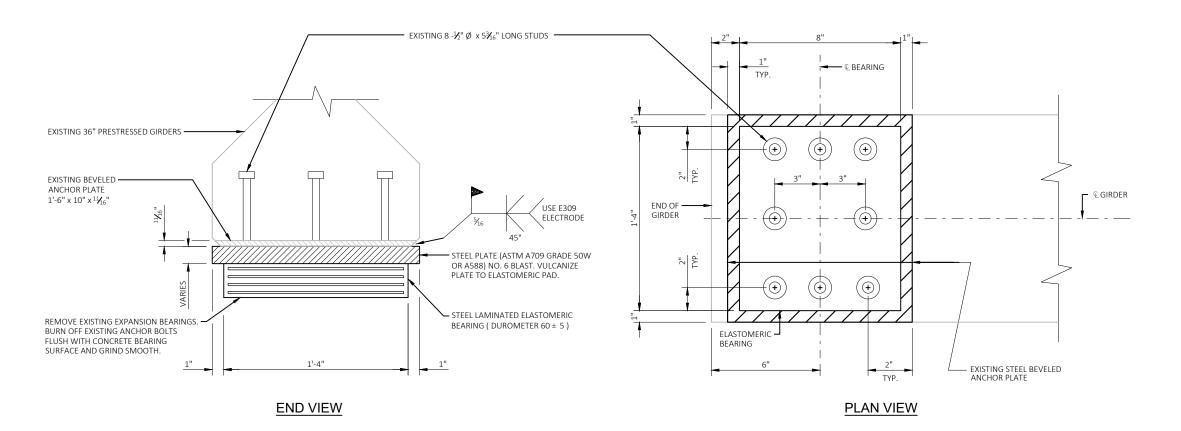
ALL MATERIAL USED FOR BEARINGS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING PADS ELASTOMERIC LAMINATED", EACH.

ALL STRUCTURAL STEEL BEARING PLATE SHALL BE FLAT ROLLED WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLACE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

BEARINGS SHALL NOT BE PLACED AT A TEMPERATURE GREATER THAN 85 DEGREES.

GRIND EXISTING WELD THAT ATTACHED EXISTING TOP PLATE TO EXISTING BOTTOM FLANGE. GRIND AFFECTED AREAS SMOOTH.



TI-6" x VARIES x 10" PLATE ASTM A709 GRADE 50W OR A588

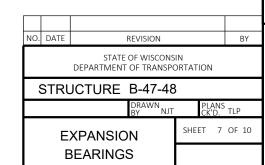
END OF GIRDER

STEEL PLATES
ASTM A1011 GRADE 36 TO 50,
We" THICK

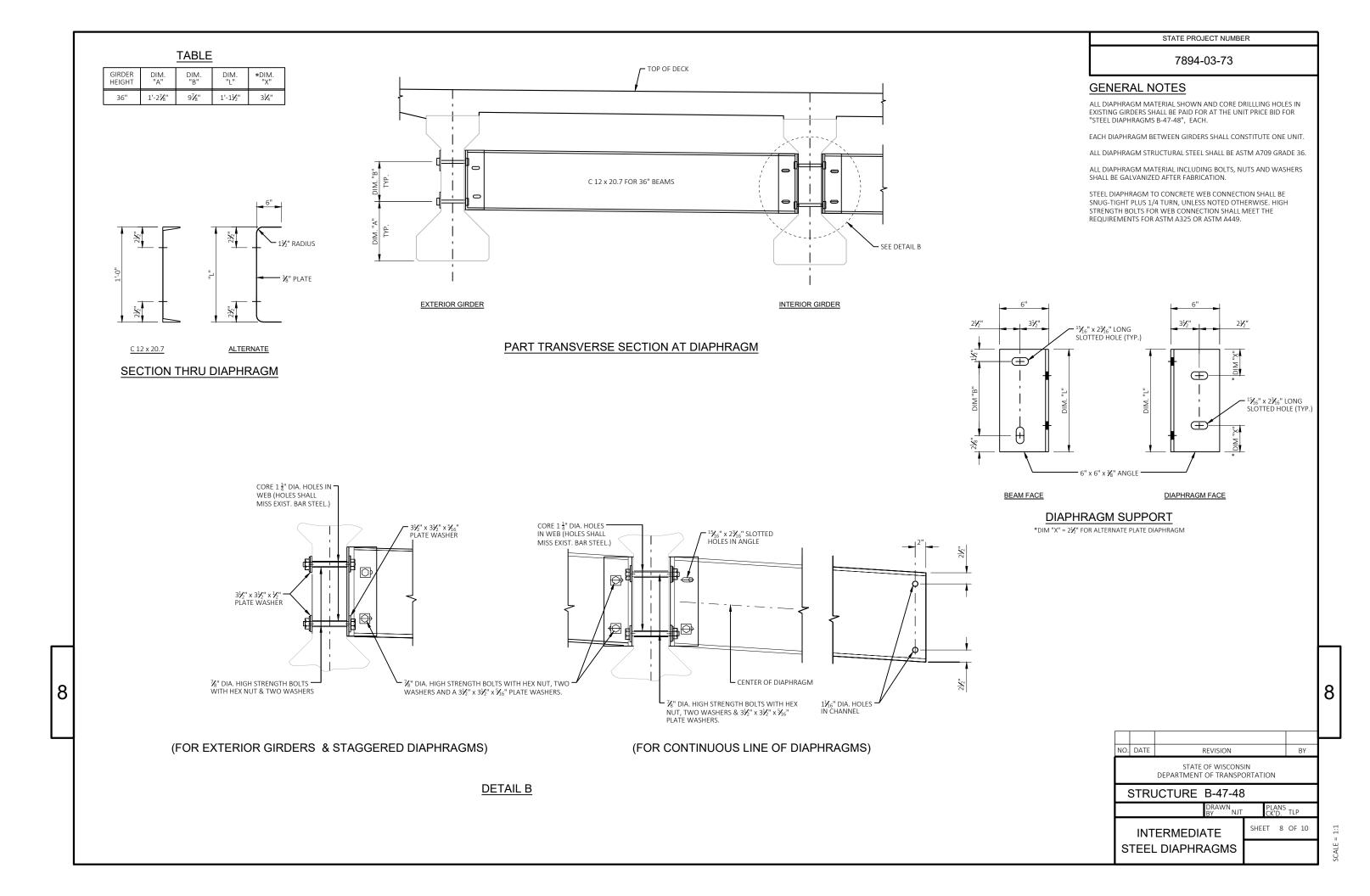
10"

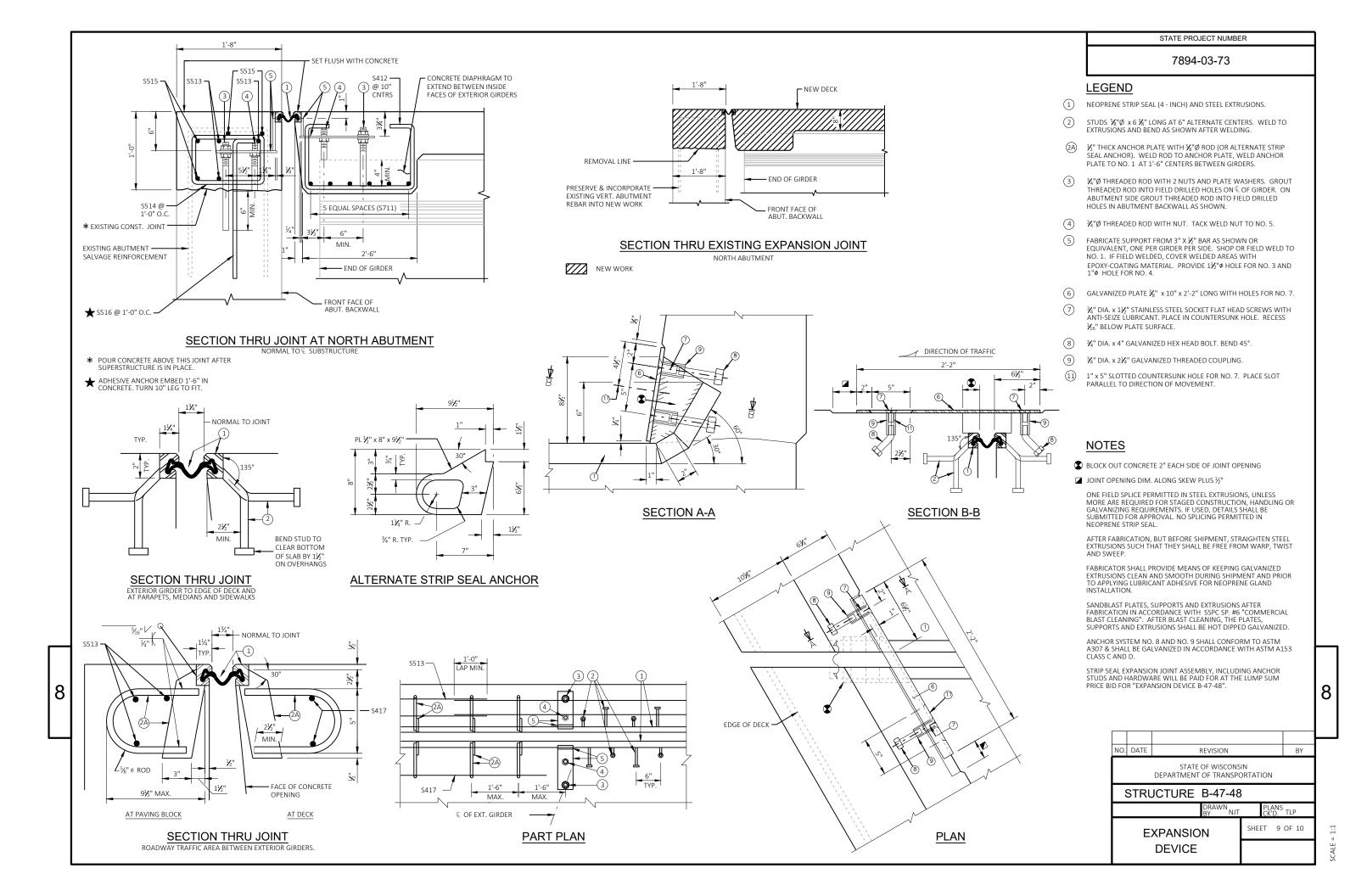
SECTION THRU ELASTOMERIC BEARING

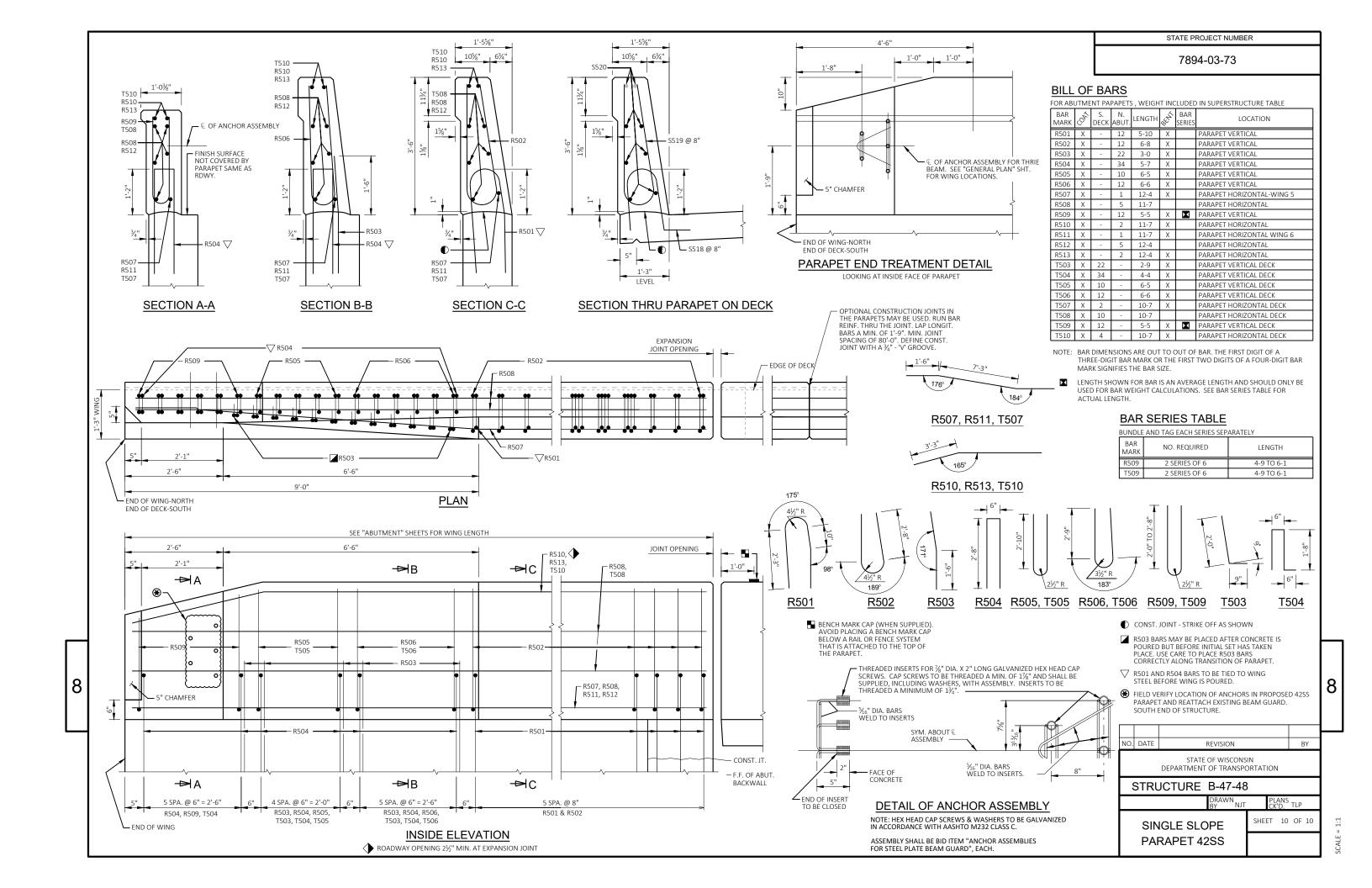
SECTION THRU ELASTOMERIC BEARING



8







CTH O - INCREMENTAL VOLUME

		END AREA			COMMON				FILL		
				SALVAGED/UNUSABLE		1.0	SALVAGED/UNUSABLE	AVAILABLE		1.3	MASS
	DISTANCE	COMMON	FILL	PAVEMENT MATERIAL	RAW	ADJ	PAVEMENT MATERIAL	MATERIAL	RAW	ADJ	HAUL
STATION	FT	SF	SF	SF (1)	CY	CY	CY	CY (2)	CY	CY	CY (3)
12+03		8.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12+50	47	10.5	0.0	8.3	16.4	16.4	14.4	1.9	0.0	0.0	1.9
13+00	50	12.0	0.0	8.3	20.8	20.8	15.4	5.5	0.0	0.0	5.5
13+16	16	33.6	0.0	8.3	13.5	13.5	4.9	8.6	0.0	0.0	8.6
13+50	34	33.6	0.0	8.3	42.3	42.3	10.4	31.9	0.0	0.0	31.9
13+67	17	33.6	0.0	8.3	14.4	21.2	5.2	16.0	0.0	0.0	16.0
					BRIDG	E GAP					.
14+88		38.3	5.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15+00	12	38.3	5.7	8.3	17.0	17.0	3.7	13.4	2.5	3.3	10.1
15+28	28	38.3	5.7	8.3	39.7	39.7	8.6	31.2	5.9	7.7	23.5
15+39	11	38.3	5.7	8.3	15.6	15.6	3.4	12.2	2.3	3.0	9.2
15+55	16	11.7	4.8	8.3	14.8	14.8	4.9	9.9	3.1	4.0	5.9
15+82	27	12.0	9.7	8.3	11.9	11.9	8.3	3.6	7.3	9.4	-5.9
16+14	32	10.7	14.3	8.3	13.5	13.5	9.8	3.6	14.2	18.5	-14.9
16+40	26	10.0	0.4	8.3	10.0	10.0	8.0	2.0	7.1	9.2	-7.2
16+67	27	10.5	21.4	8.3	10.3	10.3	8.3	2.0	10.9	14.2	-12.2
17+26	59	8.3	0.0	8.3	20.5	20.5	18.1	2.4	23.4	30.4	-28.0
				COLUMN TOTALS		267.4	123.4	144.0	76.7	99.7	44.3

¹⁾ SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON.

9

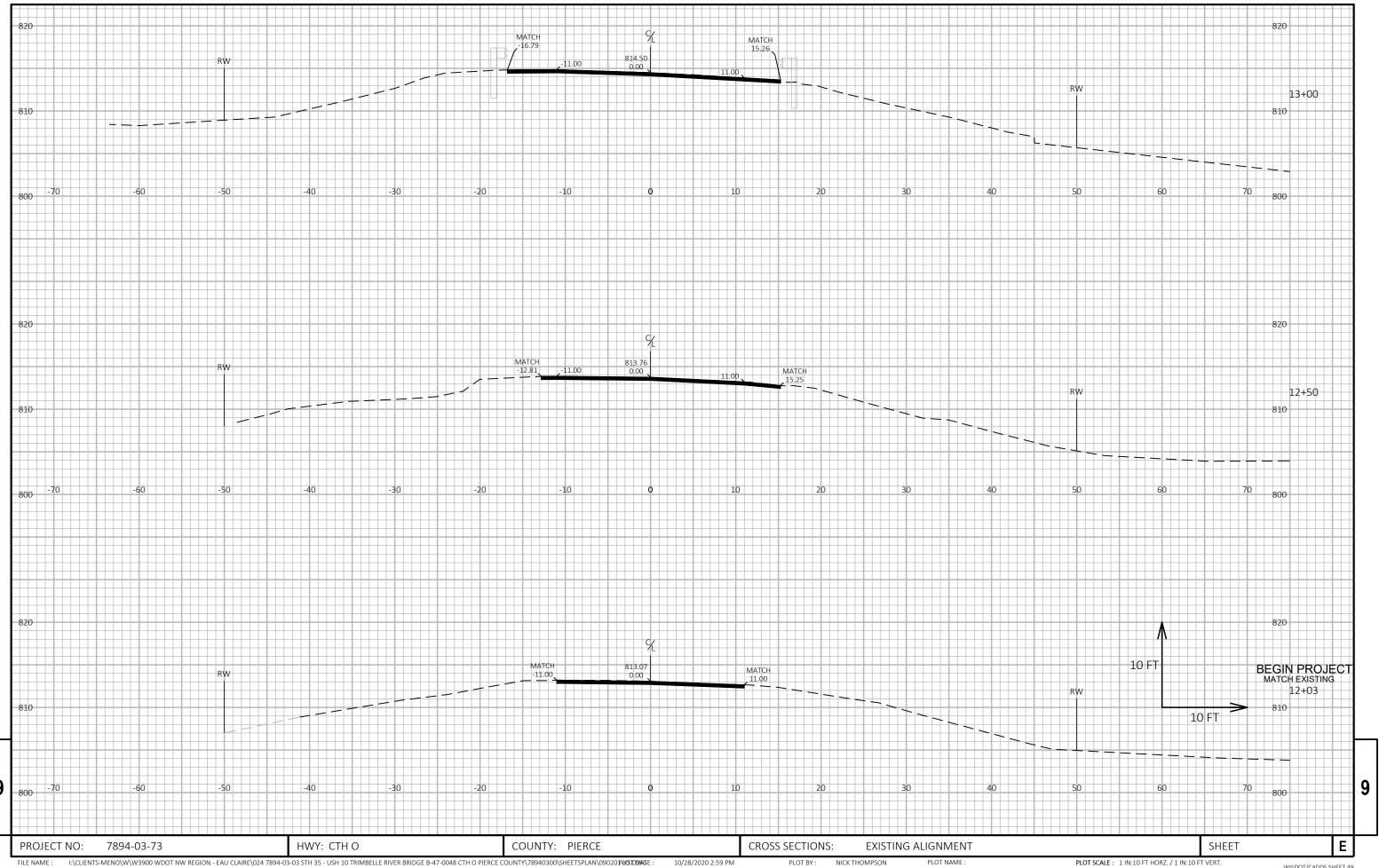
J

PROJECT NO: 7894-03-73 HWY: CTH O COUNTY: PIERCE EARTHWORK TABULATIONS SHEET **E**

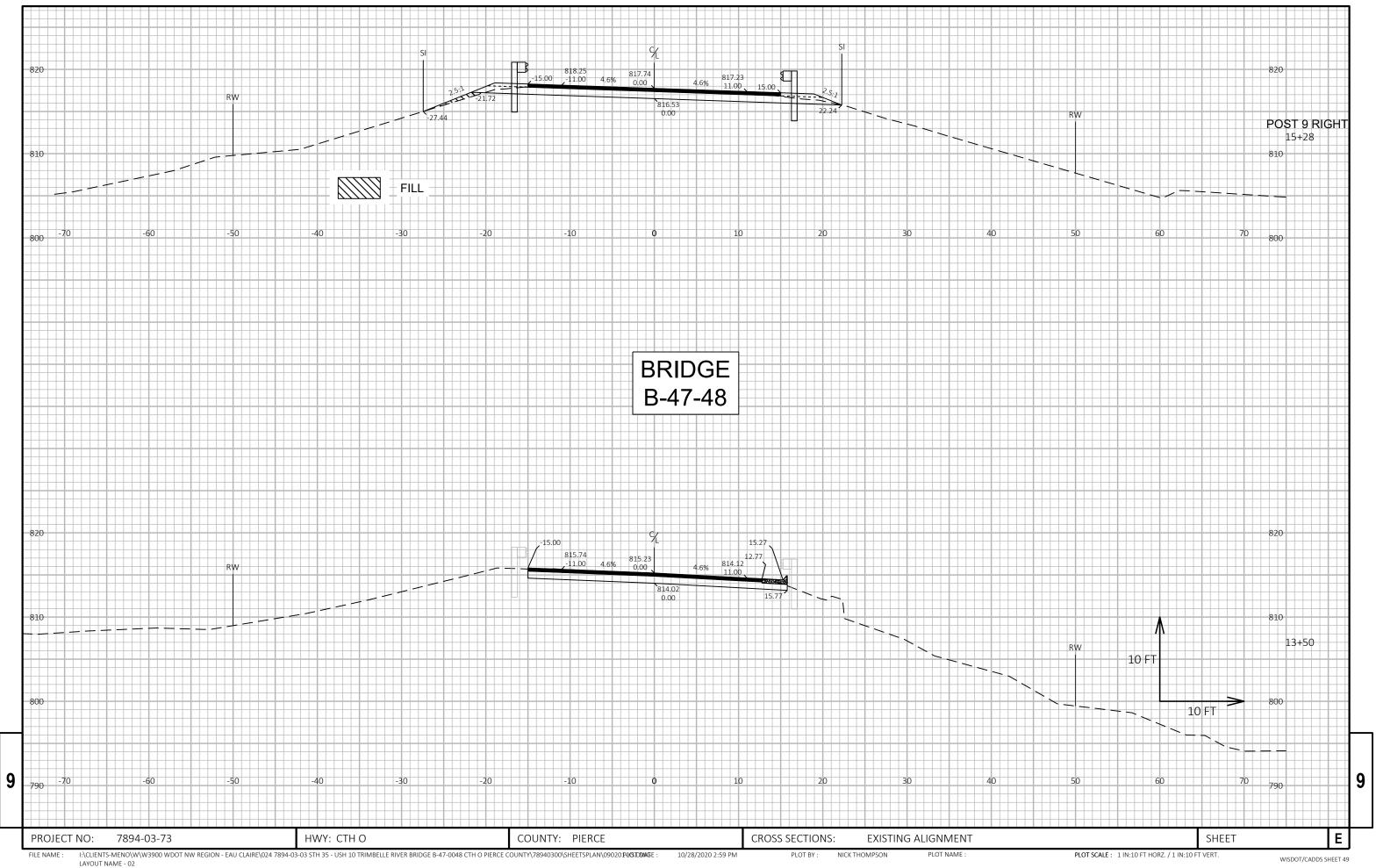
PLOT SCALE :

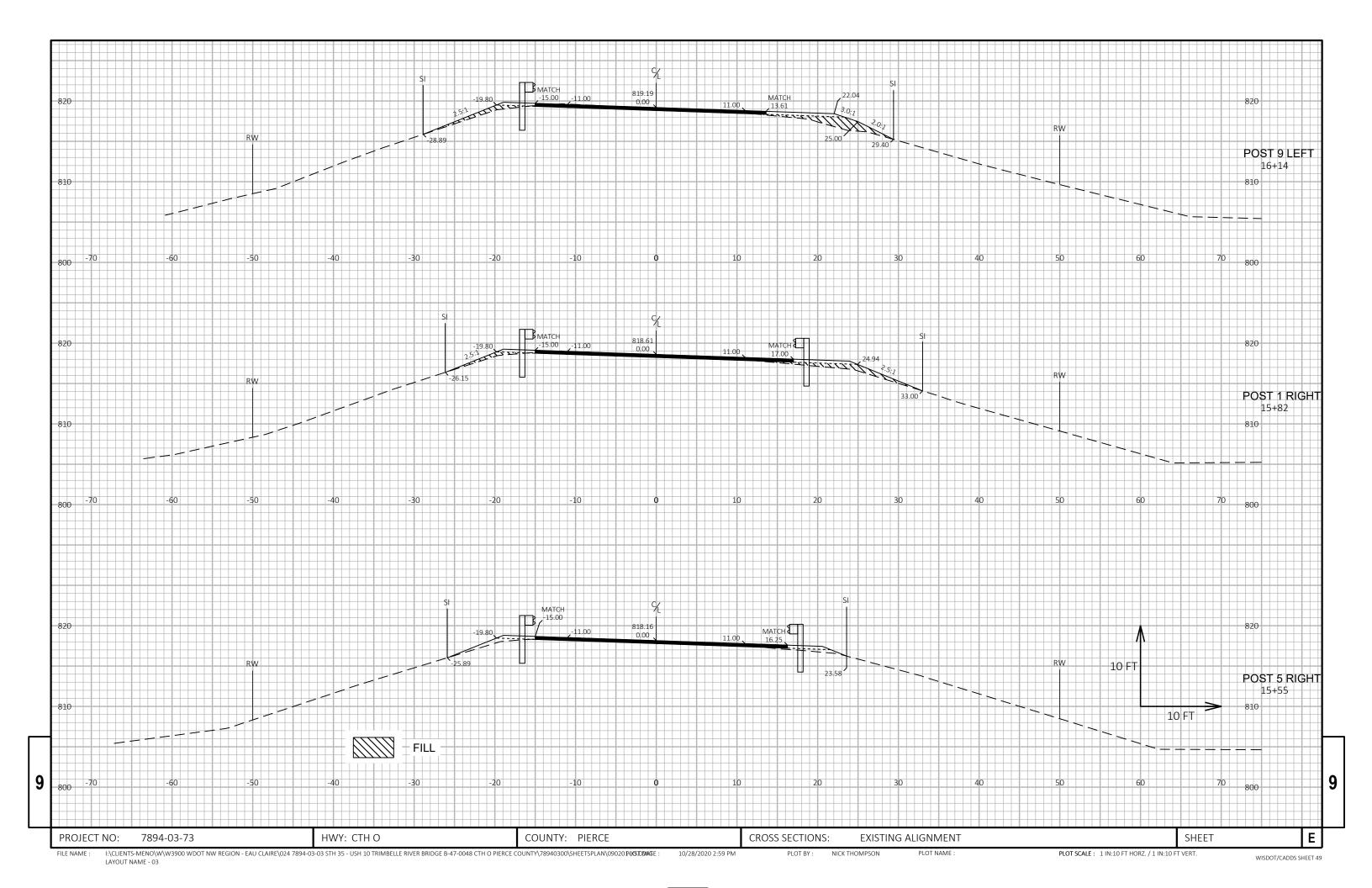
²⁾ AVAILABLE MATERIAL = CUT MINUS THE SALVAGED/UNUSABLE PAVEMENT MATERIAL

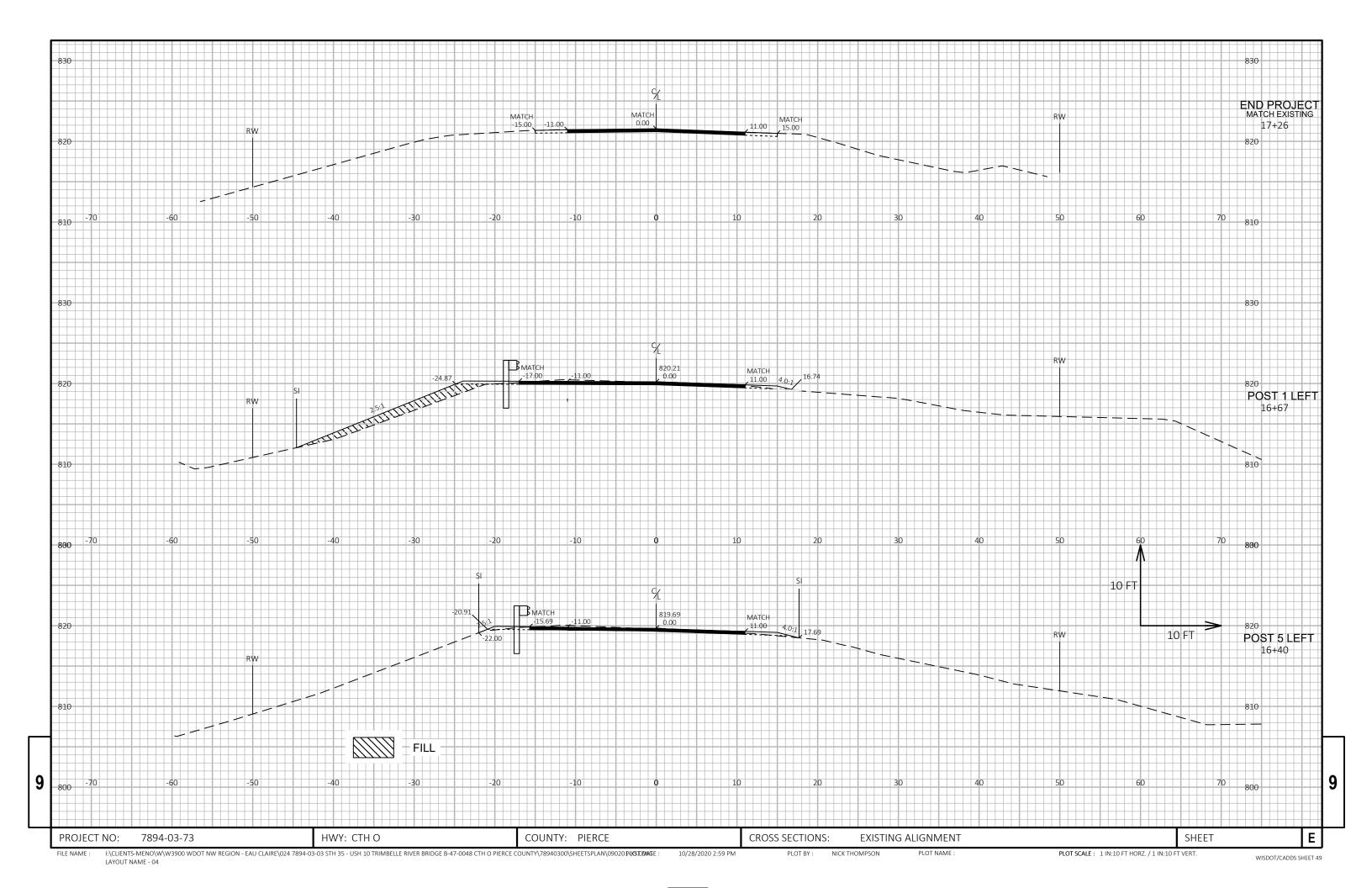
³⁾ THE MASS HAUL = A + OR - QUANTITY CALCULATED FOR THE DIVISON. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL.



I:\CLIENTS-MENO\W\W3900 WDOT NW REGION - EAU CLAIRE\024 7894-03-03 STH 35 - USH 10 TRIMBELLE RIVER BRIDGE B-47-0048 CTH O PIERCE COUNTY\78940300\SHEETSPLAN\09020 PXSIDWGE: LAYOUT NAME - 01







Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov