NOVEMBER 2024 ORDER OF SHEETS

Section No. Typical Sections and Details Estimate of Quantities Section No.

Section No. Miscellaneous Quantities Right of Way Plat Section No. Section No. Plan and Profile Section No. Standard Detail Drawings Section No.

Computer Earthwork Data

Cross Sections

TOTAL SHEETS = 62

PROJECT LOCATION

DESIGN DESIGNATION 5958-00-02

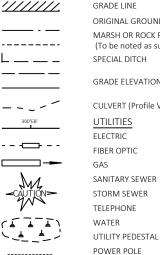
AADT 2025 = 400A.A.D.T. 2045 = 592 = 79 D.H.V. D.D. = 62/38 = 7.7%

DESIGN SPEED = 60 MPH

CONVENTIONAL SYMBOLS

PLAN CORPORATE LIMITS
PROPERTY LINE
LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE
SLOPE INTERCEPT
REFERENCE LINE
EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)
COMBUSTIBLE FLUIDS
MARSH AREA

WOODED OR SHRUB AREA



PROFILE	
GRADE LINE	
ORIGINAL GROUND	_ ^ _ \
MARSH OR ROCK PROFILE	_ ROCK
(To be noted as such)	
SPECIAL DITCH	LABEL
CRADE ELEVATION	5.36
GRADE ELEVATION	95
CULVERT (Profile View)	0 🗆
UTILITIES	
ELECTRIC	— в —
FIBER OPTIC	—— FO ——
GAS	—— G ——
SANITARY SEWER	SAN
STORM SEWER	—— ss ——
TELEPHONE	— т —
WATER	w
	GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE

STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

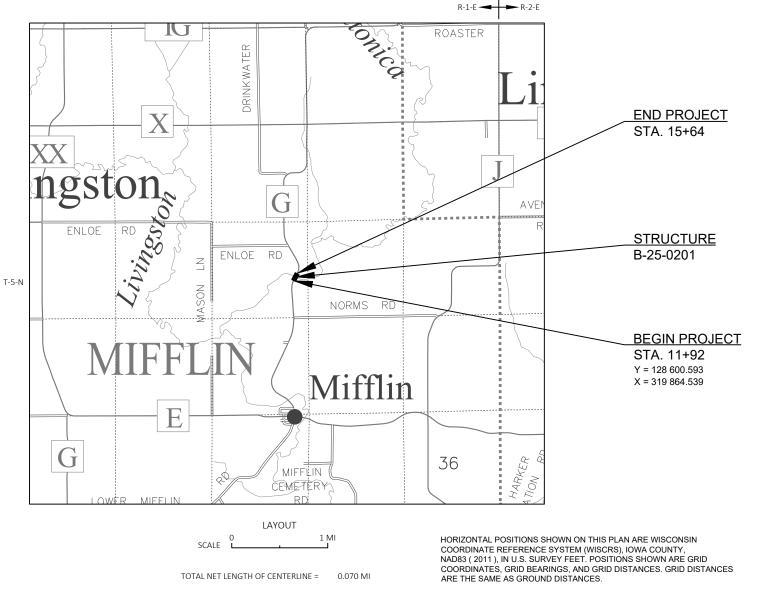
PLAN OF PROPOSED IMPROVEMENT

CTH E - CTH X (CTH G)

PECATONICA RIVER BRIDGE B-25-0201

CTH G **IOWA COUNTY**

STATE PROJECT NUMBER 5958-00-72



FEDERAL PROJECT STATE PROJECT CONTRACT 5958-00-72 WISC 2025079 1

IOWA COUNTY

ORIGINAL PLANS PREPARED BY

ACCEPTED FOR

WESTBROOK

619 EAST HOXIE STREET P.O. BOX 429 SPRING GREEN, WISCONSIN 53588 FAX (608) 588-7954



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

WESTBROOK ASSOICATED ENGINEERS, INC Surveyor Designer

Ε

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

TELEPHONE POLE

ADUT	ABUTATATA		TANDARD ABBREVIATIONS	61/	COLLABE VARD
ABUT	ABUTMENT	HE	HIGHWAY EASEMENT	SY	SQUARE YARD
AC	ACCRECATE	CWT	HUNDRED WEIGHT	SDD	STANDARD DETAIL DRAWINGS
AGG	AGGREGATE	IN DIA	INCH DIAMETER	STH	STATE TRUNK HIGHWAY
AH	AHEAD	INL	INLET	STA	STATION
	ANGLE	ID	INSIDE DIAMETER	SE SLOPS/	SUPERELEVATION
AADT	ANNUAL AVERAGE DAILY TRAFFIC	INTERS	INTERSECTION	SL OR S/L	SURVEY LINE
AEW	APRON ENDWALL	IH	INTERSTATE HIGHWAY	TEMP	TEMPORARY
ASPH	ASPHALTIC	INV	INVERT	TI	TEMPORARY INTEREST
BK	BACK	JT	JOINT	TLE	TEMPORARY LIMITED EASEMENT
BC	BACK OF CURB	LT	LEFT	TC	TOP OF CURB
BAD	BASE AGGREGATE DENSE	LHF	LEFT HAND FORWARD	TL OR T/L	TRANSIT LINE
BL OR B/L	BASE LINE	L	LENGTH OF CURVE	Т	TRUCKS (PERCENT OF)
BM	BENCH MARK	LF	LINEAR FOOT	TYP	TYPICAL
CB	CATCH BASIN	LC	LONG CHORD OF CURVE	USH	UNITED STATES HIGHWAY
CL OR C/L	CENTER LINE	LS	LUMP SUM	VAR	VARIABLE
Δ	CENTRAL ANGLE OR DELTA	MGAL	ONE THOUSAND GALLONS	VC	VERTICAL CURVE
CE	COMMERCIAL ENTRANCE	MH	MANHOLE	VPC	VERTICAL POINT OF CURVATURE
CONC	CONCRETE	ML OR M/L	MATCH LINE	VPI	VERTICAL POINT OF INTERSECTION
CSW	CONCRETE SIDEWALK	NOM	NOMINAL	VPT	VERTICAL POINT OF TANGENCY
CONST	CONSTRUCTION	NC	NORMAL CROWN	W	WEST
CP	CONTROL POINT	NB	NORTHBOUND	WB	WESTBOUND
CO	COUNTY	NO	NUMBER		
CTH	COUNTY TRUCK HIGHWAY	OD	OUTSIDE DIAMETER		
CY	CUBIC YARD	PAVT	PAVEMENT		
CP	CULVERT PIPE	PLE	PERMANENT LIMITED EASEMENT		
C & G	CURB AND GUTTER	PC	POINT OF CURVATURE		
D	DEGREE OF CURVE	PI	POINT OF INTERSECTION		
DHV	DESIGN HOUR VOLUME	PT	POINT OF TANGENCY		
DIA	DIAMETER	PCC	PORTLAND CEMENT CONCRETE		
DD	DIRECTIONAL DISTRIBUTION	LB	POUND		
DE	DRAINAGE EASEMENT	PSI	POUNDS PER SQUARE INCH		
DWY	DRIVEWAY	PE	PRIVATE ENTRANCE		
EA	EACH	PROJ	PROJECT		
EB	EASTBOUND	PL	PROPERTY LINE		
	ELEVATION	PRW	PROPOSED RIGHT OF WAY		
EMB	EMBANKMENT	R	RADIUS		
EW	ENDWALL	RL OR R/L	REFERENCE LINE		
EAT	ENERGY ABSORBING TERMINAL	REQD	REQUIRED		
ESALS	EQUIVALENT SINGLE AXLE LOADS	RT	RIGHT		
EXC	EXCAVATION	RHF	RIGHT HAND FORWARD		
EBS	EXCAVATION EXCAVATION BELOW SUBGRADE	R/W	RIGHT OF WAY		
EXIST	EXISTING	RD	ROAD		
FERT	FERTILIZER	RDWY	ROADWAY		
FERI	FIELD ENTRANCE	SHLDR			
FL OR F/L			SHOULDER		
FT	FLOW LINE FOOT	SW SB	SIDEWALK		
			SOUTHBOUND		
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	SPECS	SPECIFICATIONS SQUARE FEET		
HES	HIGH EARLY STRENGTH	SF	JQUANL FEET		

STANDARD ARRESULATIONS

WISCONSIN DNR LIAISON

ERIC HEGGELUND DNR SOUTHWEST REGION 3911 FISH HATCHERY RD FITCHBURG, WI 53711 PHONE: (608) 228-7927

EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

CONSULTANT LIAISON

AARON PALMER, P.E. WESTBROOK ASSOCIATED ENGINEERS, INC. 619 EAST HOXIE ST, P.O. BOX 429 SPRING GREEN, WI 53588 PHONE: (608) 588-7866 EMAIL: APALMER@WESTBROOKENG.COM

COUNTY HIGHWAY COMMISSIONER

CRAIG HARDY, P.E. **IOWA COUNTY** 1215 N BEQUETTE ST DODGEVILLE, WI 53533 PHONE: (608) 935-3381

EMAIL: CRAIG.HARDY@IOWACOUNTY.ORG

WISDOT PROJECT MANAGER

CODY KAMMERZELT, P.E. WISDOT LOCAL PROGRAM PROJECT MANAGER 2101 WRIGHT ST MADISON, WI 53704 PHONE: (608) 243-5995 EMAIL: CODY.KAMMERZELT@DOT.WI.GOV

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS PERMANENT SIGNING AND PAVEMENT MARKING ALIGNMENT DETAILS AND CONTROL POINTS

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
		Α			В			С		D		
	SLOPE	SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE RANGE (PERCENT) SLOPE RANGE									RANGE	(PERCENT)
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
NOW CROPS.	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIANI STRIPTI IRE.	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
MEDIAN STRIPTURF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
SIDE SLOPETORF.			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:		.7095										
CONCRETE: .8095												
BRICK:		.7080										
DRIVES, WALKS:				.75	'585							
ROOFS:						.75	95					
GRAVEL ROADS, SHOULDERS:						.40	60					

TOTAL PROJECT AREA = <u>0.95</u> ACRES

FILE NAME :

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.66 ACRES

UTILITIES CONTACTS

BRIGHTSPEED COMMUNICATIONS DOUG MCGOWAN 135 NORTH BONSON ST PLATTEVILLE, WI 53818 PHONE: (980) 376-1578 EMAIL: DOUG.MCGOWAN1@BRIGHTSPEED.COM



GENERAL NOTES

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

THE CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

APPLY TACK COAT BETWEEN LAYERS OF HMA AT A RATE OF 0.05 GAL/SY.

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

RIGHT OF WAY INFORMATION, AS SHOWN ON THE PLANS, IS APPROXIMATE.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE. SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND SUBMIT THE PLAN TO WISDOT ADN WDNR FOR REVIEW AT LEAST 14 DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCES.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND APPROVED BY THE ENGINEER, MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY

BIODEGRADABLE NON-NETTED MATTING SHALL BE USED ALONG STREAM CORRIDORS.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A SAW CUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

THE 4-INCH ASPHALTIC SURFACE SHALL BE CONSTRUCTED USING ONE (1) 2.25-INCH LAYER AND ONE (1) 1.75-INCH LAYER. THE PREFERRED LOWER LAYER IS 2.25-INCHES OF 3 LT 58-28 S. THE PREFERRED UPPER LAYER IS 1.75-INCHES OF 4 LT 58-28 S.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS

PRIOR TO PLACEMENT OF BEAM GUARD, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN PAVING OPERATIONS REQUIRE THE DRIVEWAY TO BE CLOSED. ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED. ACCESS SHALL BE PROVIDED DURING ALL NON-WORKING

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

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

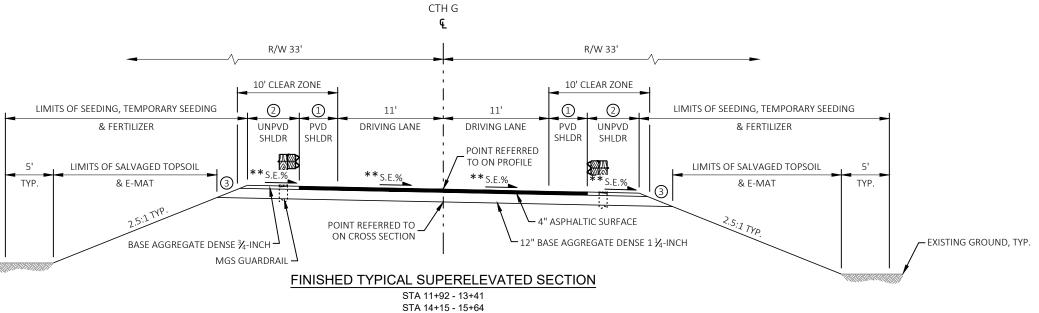
PROJECT NO: HWY: CTH G COUNTY: IOWA 5958-00-72 **GENERAL NOTES**

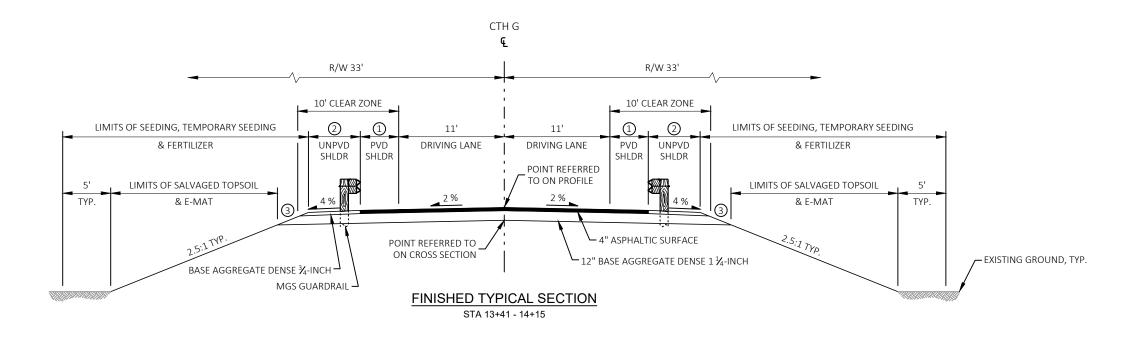
SHEET

7/12/2024 9:02 AM

PLOT SCALE:







	SUPERELEVATION TABLE - CURVE 1										
STATION	LEFT UNPAVED SHOULDER	LEFT LANE	RIGHT LANE	RIGHT UNPAVED SHOULDER							
11+92	1.9%	MATCH EXISTING	MATCH EXISTING	-4.7%							
12+00	1.7%	1.7%	-4.4%	-4.4%							
12+50	0.4%	0.4%	-2.5%	-4.0%							
13+00	-1.0%	-1.0%	-2.0%	-4.0%							
13+41	-4.0%	-2.0%	-2.0%	-4.0%							

SUPERELEVATION TABLE - CURVE 2										
STATION	LEFT UNPAVED SHOULDER	LEFT LANE	RIGHT LANE	RIGHT UNPAVED SHOULDER						
14+15	-4.0%	-2.0%	-2.0%	-4.0%						
14+50	-4.0%	-2.0%	-1.1%	-1.1%						
15+00	-4.0%	-2.2%	0.2%	0.2%						
15+50	-4.0%	-3.6%	1.4%	-3.0%						
15+64	-4.0%	MATCH EXISTING	MATCH EXISTING	-4.0%						

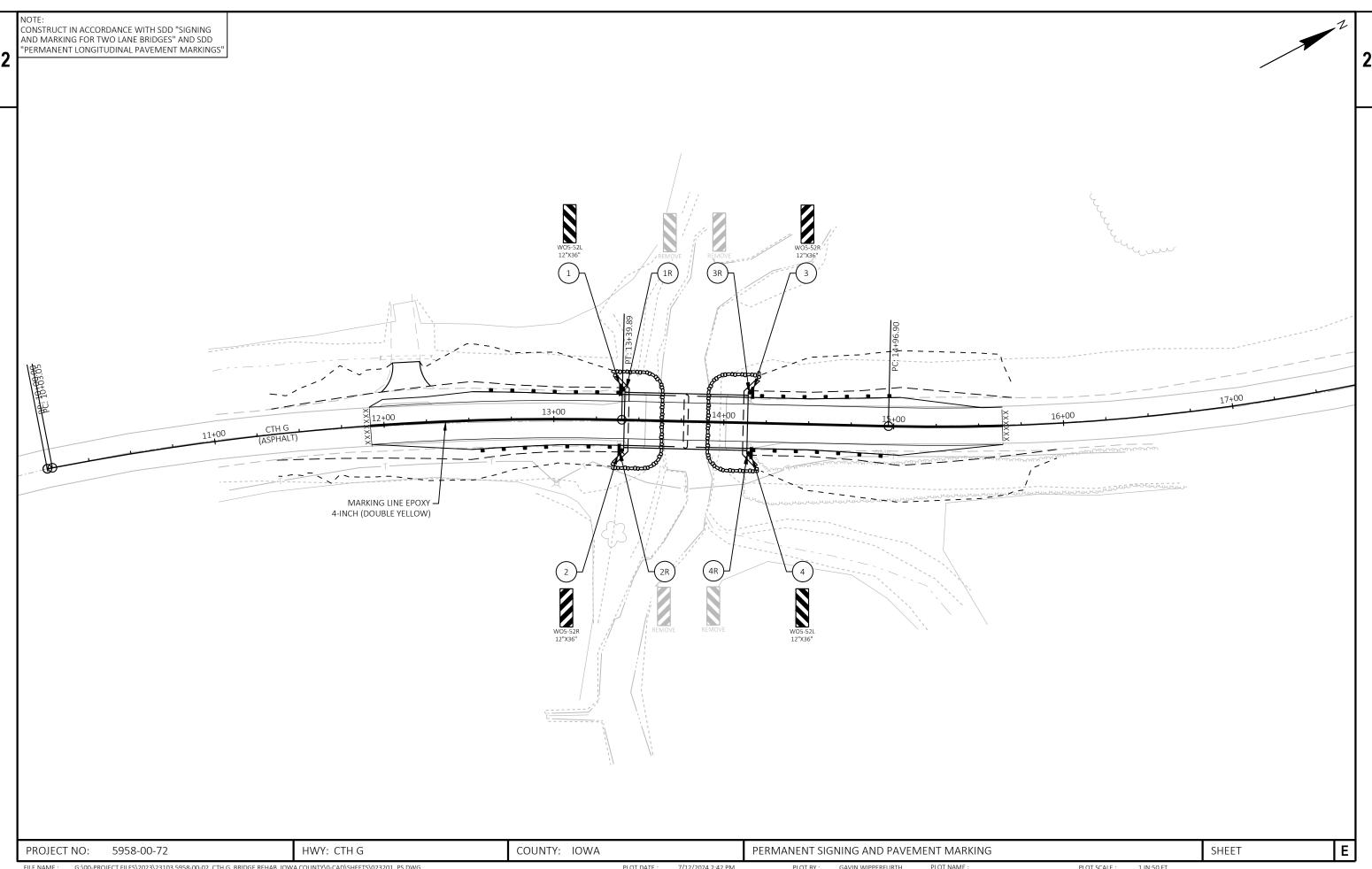
- 1 PAVE TO FRONT FACE OF BEAM GUARD (4' TYP.). WIDTH VARIES AT GUARDRAIL FLARES.
- 2 VARIES FROM 4' TO 5' 11" WITH BEAM GUARD GRADING TAPER.
- 3 4:1 TYP., 2.5:1 MAX. SEE CROSS SECTIONS FOR MORE DETAIL.
- ** SEE SUPERELEVATION TABLE.

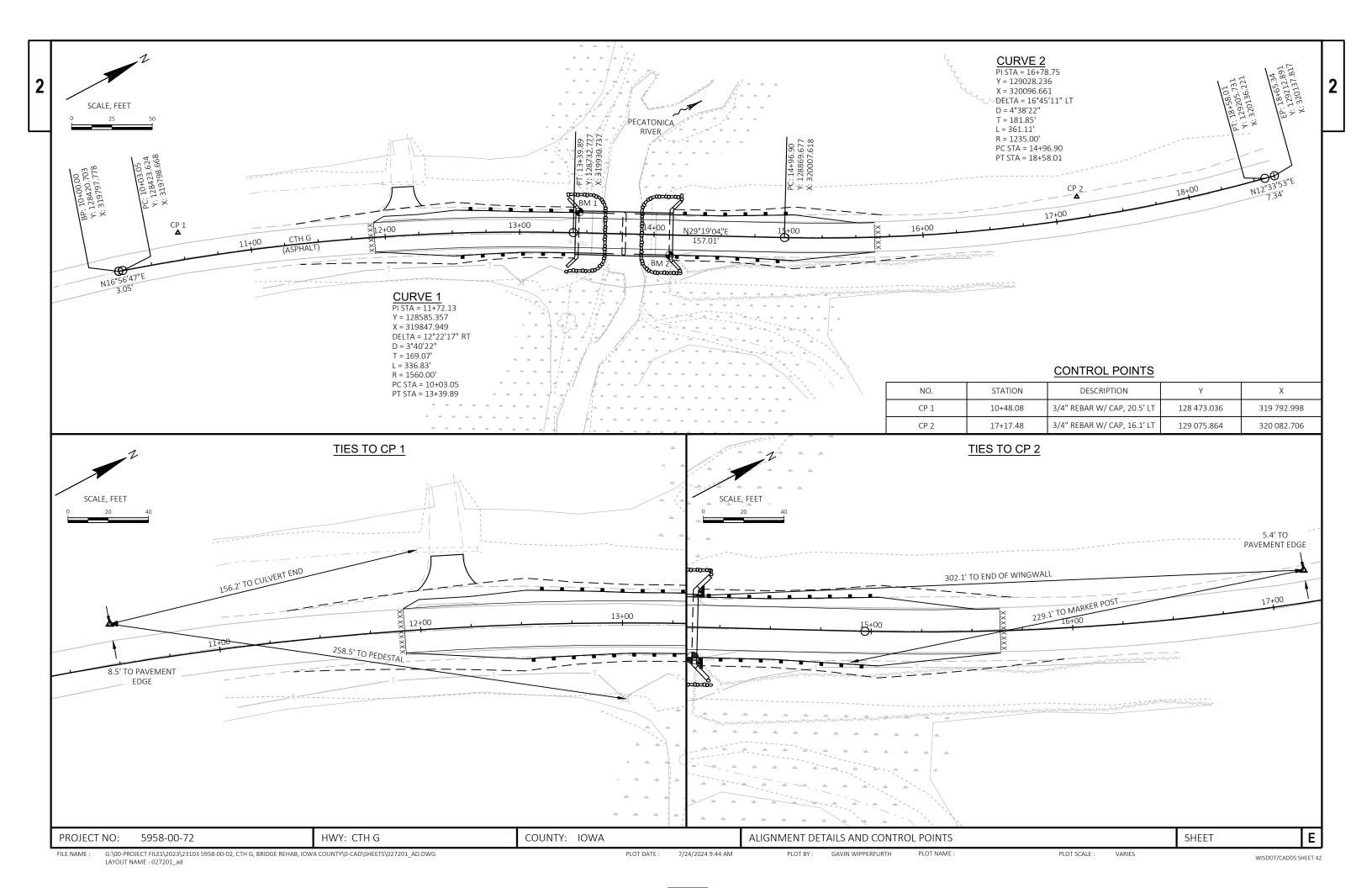
Ε PROJECT NO: 5958-00-72 HWY: CTH G COUNTY: IOWA TYPICAL SECTIONS SHEET FILE NAME : 7/12/2024 3:17 PM

PLOT DATE :

PLOT BY : GAVIN WIPPERFURTH PLOT NAME

PLOT SCALE : 1 IN:10 FT



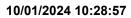


5958-00-72

					5958-00-72	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	2.000	2.000	
0004	201.0205	Grubbing	STA	2.000	2.000	
0006	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. P-25-0037	EACH	1.000	1.000	
8000	205.0100	Excavation Common	CY	525.000	525.000	
0010	206.1001	Excavation for Structures Bridges (structure) 01. B-25-0201	EACH	1.000	1.000	
0012	208.0100	Borrow	CY	179.000	179.000	
0014	210.1500	Backfill Structure Type A	TON	300.000	300.000	
0016	213.0100	Finishing Roadway (project) 01. 5958-00-72	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	130.000	130.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,082.000	1,082.000	
0022	455.0605	Tack Coat	GAL	50.000	50.000	
0024	465.0105	Asphaltic Surface	TON	220.000	220.000	
0026	502.0100	Concrete Masonry Bridges	CY	237.000	237.000	
0028	502.3200	Protective Surface Treatment	SY	330.000	330.000	
0030	505.0400	Bar Steel Reinforcement HS Structures	LB	6,670.000	6,670.000	
0032	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	35,390.000	35,390.000	
0034	513.4061	Railing Tubular Type M	LF	150.000	150.000	
0036	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000	
0038	550.0020	Pre-Boring Rock or Consolidated Materials	LF	70.000	70.000	
0040	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	455.000	455.000	
0042	606.0300	Riprap Heavy	CY	205.000	205.000	
0044	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	170.000	170.000	
0046	614.2500	MGS Thrie Beam Transition	LF	157.600	157.600	
0048	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000	
0050	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5958-00-72	EACH	1.000	1.000	
0052	619.1000	Mobilization	EACH	1.000	1.000	
0054	624.0100	Water	MGAL	12.300	12.300	
0056	625.0500	Salvaged Topsoil	SY	1,180.000	1,180.000	
0058	628.1504	Silt Fence	LF	1,120.000	1,120.000	
0060	628.1520	Silt Fence Maintenance	LF	1,788.000	1,788.000	
0062	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000	
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0066	628.2008	Erosion Mat Urban Class I Type B	SY	1,180.000	1,180.000	
0068	628.6005	Turbidity Barriers	SY	280.000	280.000	
0070	629.0210	Fertilizer Type B	CWT	1.300	1.300	
0072	630.0130	Seeding Mixture No. 30	LB	36.000	36.000	
0074	630.0200	Seeding Temporary	LB	56.000	56.000	
0076	630.0500	Seed Water	MGAL	46.000	46.000	
0078	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0800	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0082	638.2602	Removing Signs Type II	EACH	4.000	4.000	
0084	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0086	642.5001	Field Office Type B	EACH	1.000	1.000	
8800	643.0420	Traffic Control Barricades Type III	DAY	1,725.000	1,725.000	
0090	643.0705	Traffic Control Warning Lights Type A	DAY	3,450.000	3,450.000	
0092	643.0900	Traffic Control Signs	DAY	1,350.000	1,350.000	
0094	643.5000	Traffic Control	EACH	1.000	1.000	
0096	645.0111	Geotextile Type DF Schedule A	SY	70.000	70.000	
0098	645.0120	Geotextile Type HR	SY	349.000	349.000	

Estimate Of Quantities Page 2

Line	Item	Item Description	Unit	Total	Qty
0100	646.1020	Marking Line Epoxy 4-Inch	LF	744.000	744.000
0102	650.4500	Construction Staking Subgrade	LF	388.000	388.000
0104	650.5000	Construction Staking Base	LF	388.000	388.000
0106	650.6501	Construction Staking Structure Layout (structure) 01. B-25-0201	EACH	1.000	1.000
0108	650.9911	Construction Staking Supplemental Control (project) 01. 5958-00-72	EACH	1.000	1.000
0110	650.9920	Construction Staking Slope Stakes	LF	388.000	388.000
0112	690.0150	Sawing Asphalt	LF	44.000	44.000
0114	715.0502	Incentive Strength Concrete Structures	DOL	1,422.000	1,422.000
0116	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 13+75	EACH	1.000	1.000
0118	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0120	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000

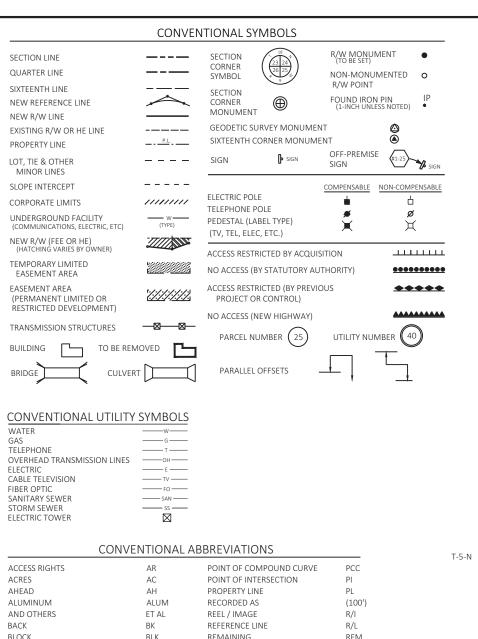


														ALL ITEMS C	ATEGORY 0010 UN	ILESS NOTED OTHER\
DIVISION	FROM/TO STATION	205.0100 EXCAVATION COMMON (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)		PANDED FILL (5) FACTOR 1.25	ASS ORDINATE +/- (6)	208.0 WASTE BORF		STATIOI	N TO	<u>C</u> STATION	LEARING & GRU	201.01 CLEARI	ING GRUE	0205 BBING TA
VISION 1																
OUTH APPROACH	11+35.00/13+41.45	297	53	244	115	144	100	100 C)	14+00	-	16+00	MAINLINE,	RT2		2
DIVISION 1 SUBTOTAL		297	53	244	115	144	100	100)				TOTAL	2		2
VISION 2																
ORTH APPROACH	14+13.95/15+95.00	228	49	179	366	458	-279	0 17								
DIVISION 2 SUBTOTAL		228	49	179	366	458	-279	0 17	'9							
												ВА	SE AGGREGATE	DENSE		
GRAND TOTAL		525	102	423	481	602	-179	100 17	'9							
	(2) SALVAGED/UNSUAB (3) SALVAGED/UNUSAB (4) AVAILABLE MATERIA (5) EXPANDED FILL FAC	LE PAVEMENT MATERIA LE PAVEMENT MATERIA LL = CUT - SALVAGED/UN TOR = 1.25 E + OR - QTY CALCULATI	E CUT COLUMN. ITEM NUM AL IS INCLUDED IN CUT. AL INCLUDES EXISTING ASP INUSUABLE PAVEMENT MA	PHALT. ATERIAL	ATES AN EXCESS OF M	IATERIAL WITHIN	THE DIVISION. MIN	IS INDICATES A SHORT	AGE OF	ATION TO 1+35 - 4+14 -	STATION 13+41 15+95	MAI MAI DRIV		305.0110 BASE AGGREGATE ENSE 3/4-INCH TON 75 55 130	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON 560 510 12 1,082	624.0100 WATER MGAL 6.4 5.7 0.2 12.3
11+92 - 13	TATION LOC 13+41 MA 15+64 MA	TA	ACK COAT SURF GAL TO 25 11	IALTIC FACE ON 10 10	STATION 12+50.89 12+52.59 14+11.20	TO STATIO - 13+44 13+44 15+03.	20 MAINLIN 20 MAINLIN 60 MAINLIN	614.250 MGS THR BEAM TRANSITIC ON LF E, RT 39.4 E, LT 39.4 E, LT 39.4	IE MGS GUARDRAIL	-	STATION 11+30 11+30 13+89 13+94			LOCATION MAINLINE, LT MAINLINE, RT MAINLINE, LT MAINLINE, RT	628.1504 SILT FENCE LF 229 245 198 222	628.1520 SILT FENCE MAINTENANCE LF 458 490 396 444
					14+11.20	- 15+03.	60 MAINLIN TOT.		14					UNDISTRIBUTED TOTAL	226 1,120	
				FINISHING ITEMS									MORILIZAT	TIONS EROSION CO	NITPOI	
													MODILIZAT	10142 ELIOSION CO	ZITINOL .	
			625.0500	628.2008	629.0210	630.0130	630.0200	630.0500								
			SALVAGED	EROSION MAT URBAN CLASS I	FERTILIZER TYPE	SEEDING	SEEDING							628.1905	628.1910	
			TOPSOIL	TYPE B	B	MIXTURE NO.		SEED WATER							MOBILIZATION	
		TON LOCATION		SY	CWT	LB	LB	MGAL						MOBILIZATIONS		
STA	TATION TO STAT		,						_					EROSION	EROSION	
ST/	FATION TO STAT			240	0.26	7	11	9.2				10	CATION	CONTROL EACH	CONTROL EACH	
	11+35 - 13+				0.22	6	9	7.7					S. 111011	LACIT	LACII	_
11	11+35 - 13+ 11+35 - 13+	41 MAINLINE,	, RT 120	120		O				l l						
11 11 14	11+35 - 13+ 11+35 - 13+ 14+15 - 15+	41 MAINLINE, 75 MAINLINE,	, RT 120 , LT 270	270	0.27	8	12	9.6				ID 50	958-00-72	3	2	
11 11 14	11+35 - 13+ 11+35 - 13+	41 MAINLINE, 75 MAINLINE, 95 MAINLINE,	, RT 120 , LT 270 , RT 310	270 310	0.27 0.30	8	13	10.6					958-00-72 FOTAL	3 3	2	
11 11 14	11+35 - 13+ 11+35 - 13+ 14+15 - 15+	41 MAINLINE, 75 MAINLINE, 95 MAINLINE, UNDISTRIBU	, RT 120 , LT 270 , RT 310 UTED 240	270 310 240	0.27 0.30 <u>0.25</u>	8 8 7	13 11	10.6 8.9	_				958-00-72 ΓΟΤΑL	3	2 2	_
11 11 14	11+35 - 13+ 11+35 - 13+ 14+15 - 15+	41 MAINLINE, 75 MAINLINE, 95 MAINLINE,	, RT 120 , LT 270 , RT 310 UTED 240	270 310	0.27 0.30	8 8 7 36	13	10.6	_					3 3	2 2	_
11 11 14	11+35 - 13+ 11+35 - 13+ 14+15 - 15+ 14+15 - 15+	41 MAINLINE, 75 MAINLINE, 95 MAINLINE, UNDISTRIBU TOTAL	, RT 120 , LT 270 , RT 310 UTED 240	270 310 240	0.27 0.30 <u>0.25</u>	36	13 11	10.6 8.9 46.0	— NEOUS QUANTITIES					3 3	- 2 2 SHEET	_

3

Transfer Proper											ALL ITEMS CATEGORY 0010 UNLESS NOTED O
Part							PERMANENT SIG	NING			
State Stat	628.6005		STATION	LOCATION	SIGN NUMBER	SIGN CODE	POSTS WOOD 4X6-INCH X 12- FT	SIGNS TYPE II REFLECTIVE F	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	REMARKS
Part	SOUTH ABUTMENT 110 NORTH ABUTMENT 114 UNDISTRIBUTED 56		13+40 13+40 13+40 13+40 14+15 14+15 14+15	MAINLINE, LT MAINLINE, LT MAINLINE, RT MAINLINE, RT MAINLINE, LT MAINLINE, LT MAINLINE, LT MAINLINE, RT MAINLINE, RT	1 1R 2 2R 3 3R 4	W5-52 L W5-52 L W5-52 R W5-52 R W5-52 R W5-52 R W5-52 L	1 1 1 	3 3 3 	1 1 1 1	1 1 1 1	BRIDGE HASH MARKS
SAWING ASPHALT SAWI	LOCATION DAY ID 5958-00-72 75	643.0420 643.0705 643.0900 TRAFFIC TRAFFIC CONTROL CONTROL BARRICADES WARNING TRAFFIC TYPE III LIGHTS TYPE A CONTROL SIGNS NO. DAY NO. DAY NO. DAY 23 1,725 46 3,450 18 1,350	TRAFFIC CONTROL	_					DN LOCATI	646 ON E, CL	LF REMARKS 744 DOUBLE YELLOW
	11+35 - 1	CONSTRUCTION CONST STAKING STA SUBGRADE B. FATION LOCATION LF 3+42 MAINLINE 207 2 5+95 MAINLINE 181 1 ID 5958-00-72	.5000 650. CONS' ST RUCTION STR KING LA ASE 01. B LF E	TRUCTION CONST AKING ST/ UCTURE SUPPLI AYOUT COI 3-25-0201 01. 59 EACH E	RUCTION AKING EMENTAL CONSTRU NTROL STAKI 58-00-72 SLOPE S ACH LF 20: 18: 1	JCTION NG TAKES 7				STATION 11+92	690.0150 LOCATION LF MAINLINE 22 MAINLINE 22

LAYOUT NAME - 030202_mq



ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON	CURVE DATA ABBREVIATIONS	
NATIONAL GEODETIC SURVEY	NGS	LONG CHORD	I CH
NUMBER	NO	LONG CHORD BEARING	LCB
OUTLOT	OL	RADIUS	R
PAGE	Р	DEGREE OF CURVE	D
POINT OF TANGENCY	PT	CENTRAL ANGLE	△/DEL
PERMANENT LIMITED EASEMENT	PLE	LENGTH OF CURVE TANGENT DIRECTION AHEAD	L T DA
POINT OF BEGINNING	POB	DIRECTION AREAD	DB
POINT OF CURVATURE	PC		

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), IOWA COUNTY, NAD83 (2011)IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT

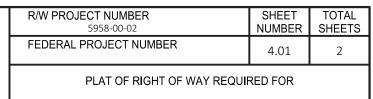
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE IOWA COUNTY PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON

THE DETAIL PAGES

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL PAGES.



CTH E - CTH X

CAUTION:

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR

REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ACCEPTED FOR IOWA COUNTY

ORIGINAL PLANS PREPARED BY

WESTBROOK Associated Engineers, Inc.

619 East Hoxie St. | P.O. Box 429 | Spring Green, WI 53588 : (608) 588-7866 | F: (608) 588-7954 | www.westbrookeng.com

William CONSTANT

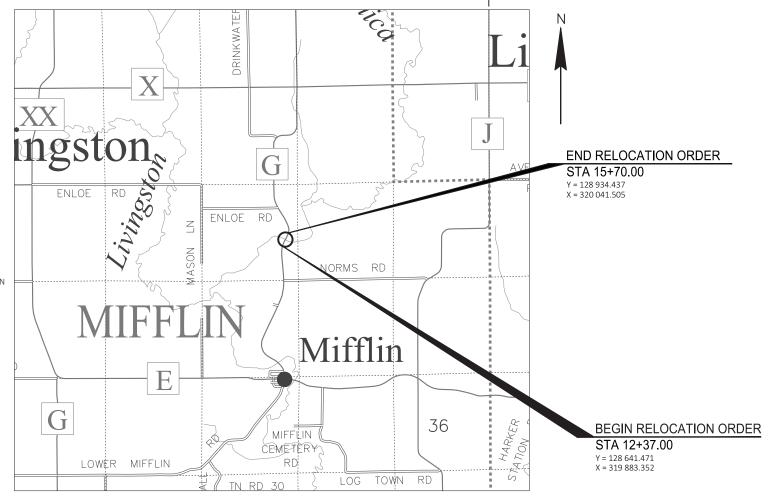
"ISCONS"

NICHOLAS J.

S-3145 LAVALLE

PECATONICA RIVER BRIDGE B-25-0201 CTH G **IOWA COUNTY**

CONSTRUCTION PROJECT NUMBER 5958-00-72



LAYOUT 1 MILF

PLOT BY: ERICA BAUER

TOTAL NET LENGTH OF CENTERLINE = 0.063 MILES

REVISION DATE

SCALE

EXISTING RIGHT-OF-WAY FOR CTH G IS BASED ON THE PLAT OF SURVEY FOR CHUCK JONES DATED DECEMBER 3, 2012 AND RECORDED IN VOLUME 19, PAGE 273 OF THE IOWA COUNTY REGISTER OF DEEDS. SAID PLAT OF SURVEY REFERENCES A CONVEYANCE OF LANDS FOR HIGHWAY PURPOSES DOCUMENT DATED APRIL 19, 1962 AND RECORDED IN VOLUME 202, PAGE 412-413 OF THE IOWA COUNTY REGISTER OF DEEDS.

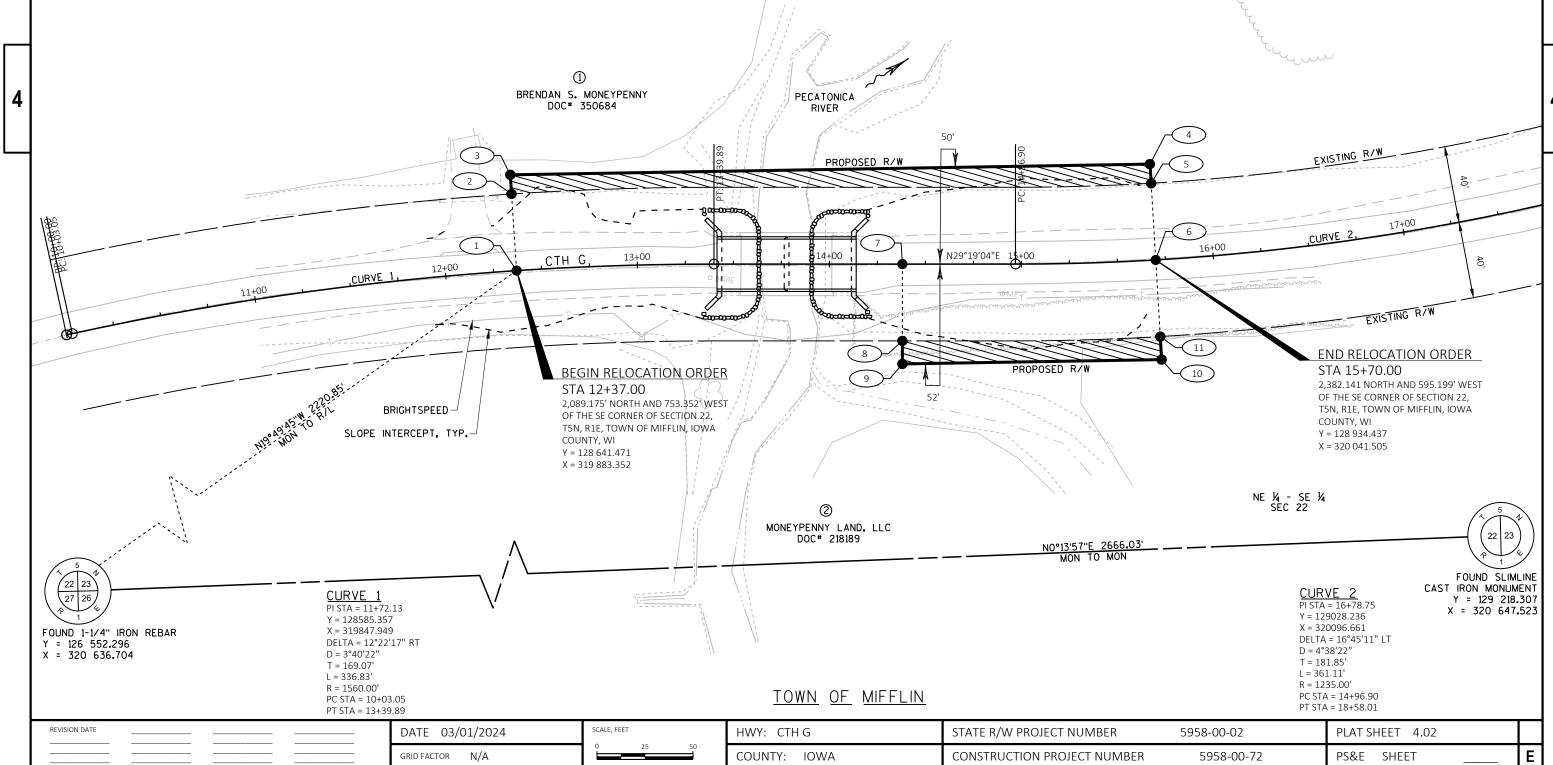
SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL	OWNER(S)	INTEREST	R/W REQUIRED ACRES		
NUMBER	NUMBER OWNER(3)		NEW	EXISTING	TOTAL
1	BRENDAN S. MONEYPENNY	HE	0.073	0.306	0.379
2	MONEYPENNY LAND, LLC	HE	0.035	0.122	0.157

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE IOWA COUNTY HIGHWAY DEPARTMENT.

POINT TABLE					
POINT NUMBER	STATION	OFFSET	Υ	X	
1	12+37.00	0.00'	128 641.471	319 883.352	
2	12+37.00	-40.00'	128 658.716	319 847.260	
3	12+37.00	-50.00'	128 663.027	319 838.237	
4	15+70.00	-50.00'	128 956.298	319 996.537	
5	15+70.00	-40.00'	128 951.926	320 005.531	
6	15+70.00	0.00'	128 934.437	320 041.505	
7	14+38.00	0.00'	128 818.322	319 978.778	
8	14+38.00	40.00'	128 798.736	320 013.654	
9	14+38.00	52.00'	128 792.860	320 024.117	
10	15+70.00	52.00'	128 911.702	320 088.271	
11	15+70.00	40.00'	128 916.948	320 077.479	

BEARING	DISTANCE
N64°27'40"W	40.00'
N64°27'40"W	10.00'
N28°21'33"E	333.27'
S64°04'25"E	10.00'
S64°04'25"E	40.00'
S60°40'56"E	40.00'
S60°40'56"E	12.00'
N28°21'41"E	135.05'
N64°04'25"W	12.00'
N64°04'25"W	40.00'
	N64°27'40"W N28°21'33"E S64°04'25"E S64°04'25"E S60°40'56"E S60°40'56"E N28°21'41"E N64°04'25"W

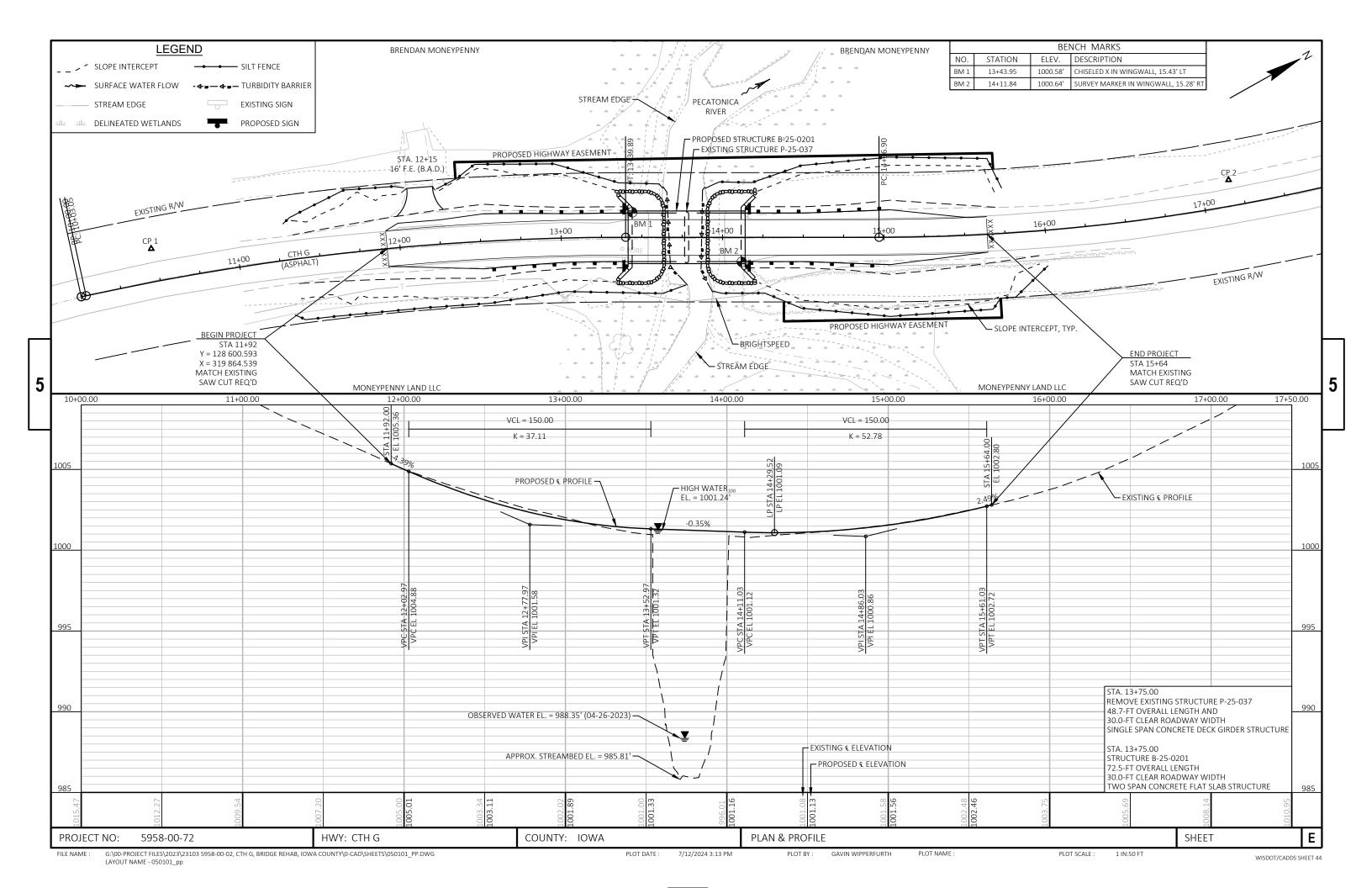


3/1/2024 8:00 AM

ERICA BAUER

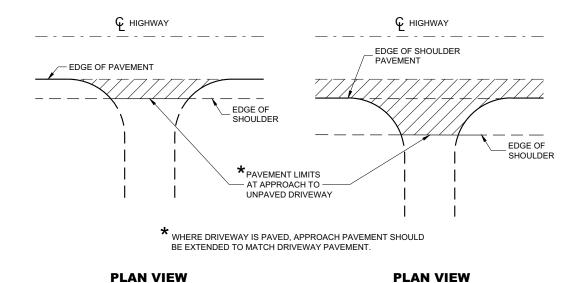
WISDOT/CADDS SHEET 75

PLOT SCALE



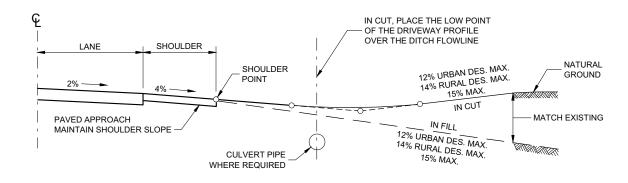
Standard Detail Drawing List

08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
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)
14в45-05н	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-09В	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15С11-10в	CHANNELIZING DEVICES DRUMS. CONES. BARRICADES AND VERTICAL PANELS

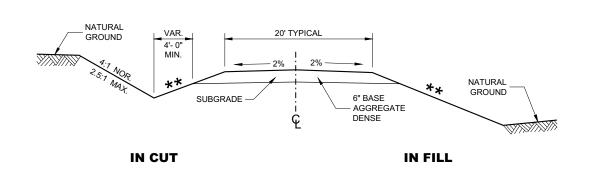


RURAL DRIVEWAY INTERSECTION DETAIL (NO CURB AND GUTTER OR SIDEWALK)

(PAVED SHOULDER ON HIGHWAY)



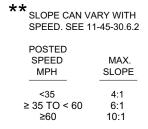
TYPICAL DRIVEWAY PROFILES

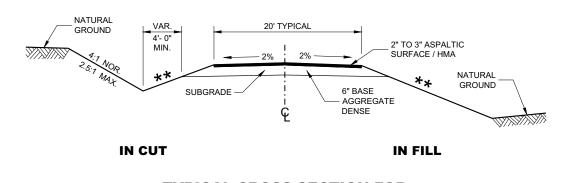


TYPICAL CROSS SECTION FOR

PRIVATE DRIVE OR FIELD ENTRANCE **AGGREGATE SURFACE**

(UNPAVED SHOULDER ON HIGHWAY)





TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

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08D21

SD

SDD 08D21

6

December 2017 DATE

TYPICAL APPLICATION OF SILT FENCE

6

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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

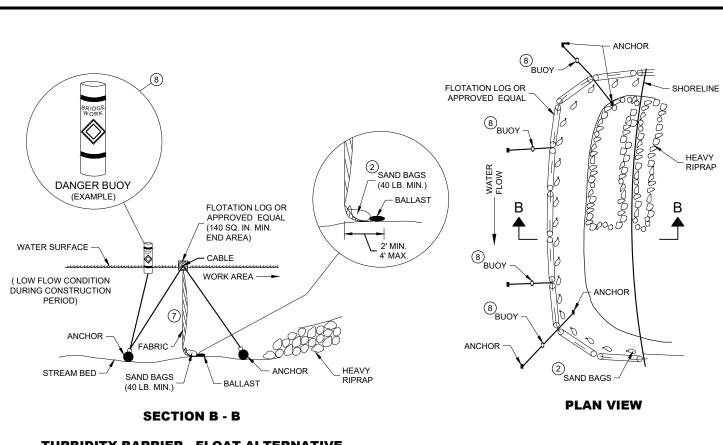
(WHEN REQUIRED BY THE ENGINEER)



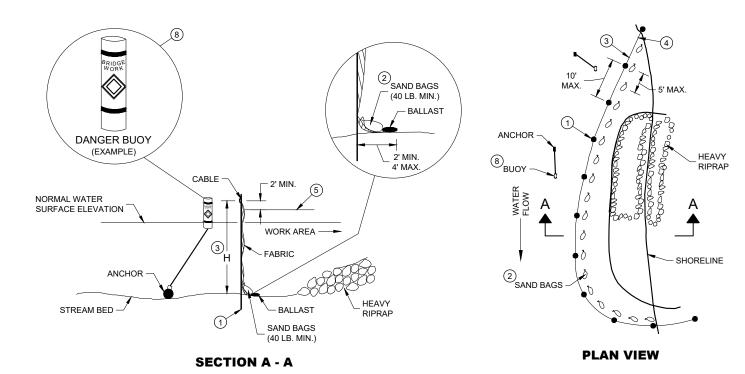
6

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D.D. 8 E 9-6



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

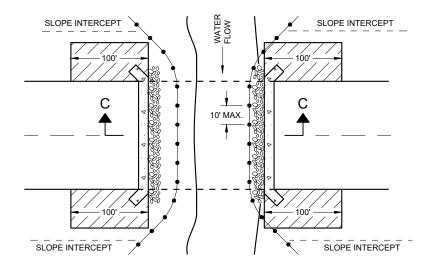
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

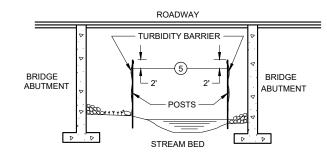
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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
- (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
- (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

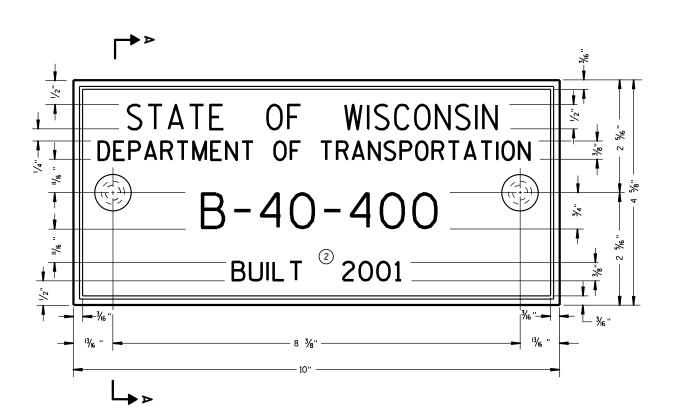
TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

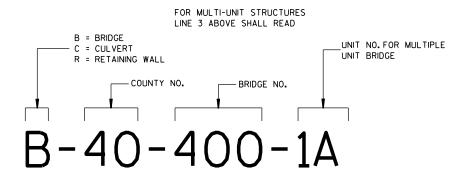
APPROVED /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT
ENGINEER 6/4/02 DATE





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



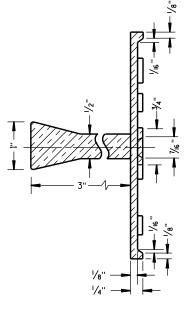
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

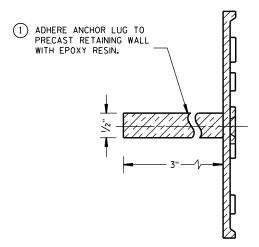
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

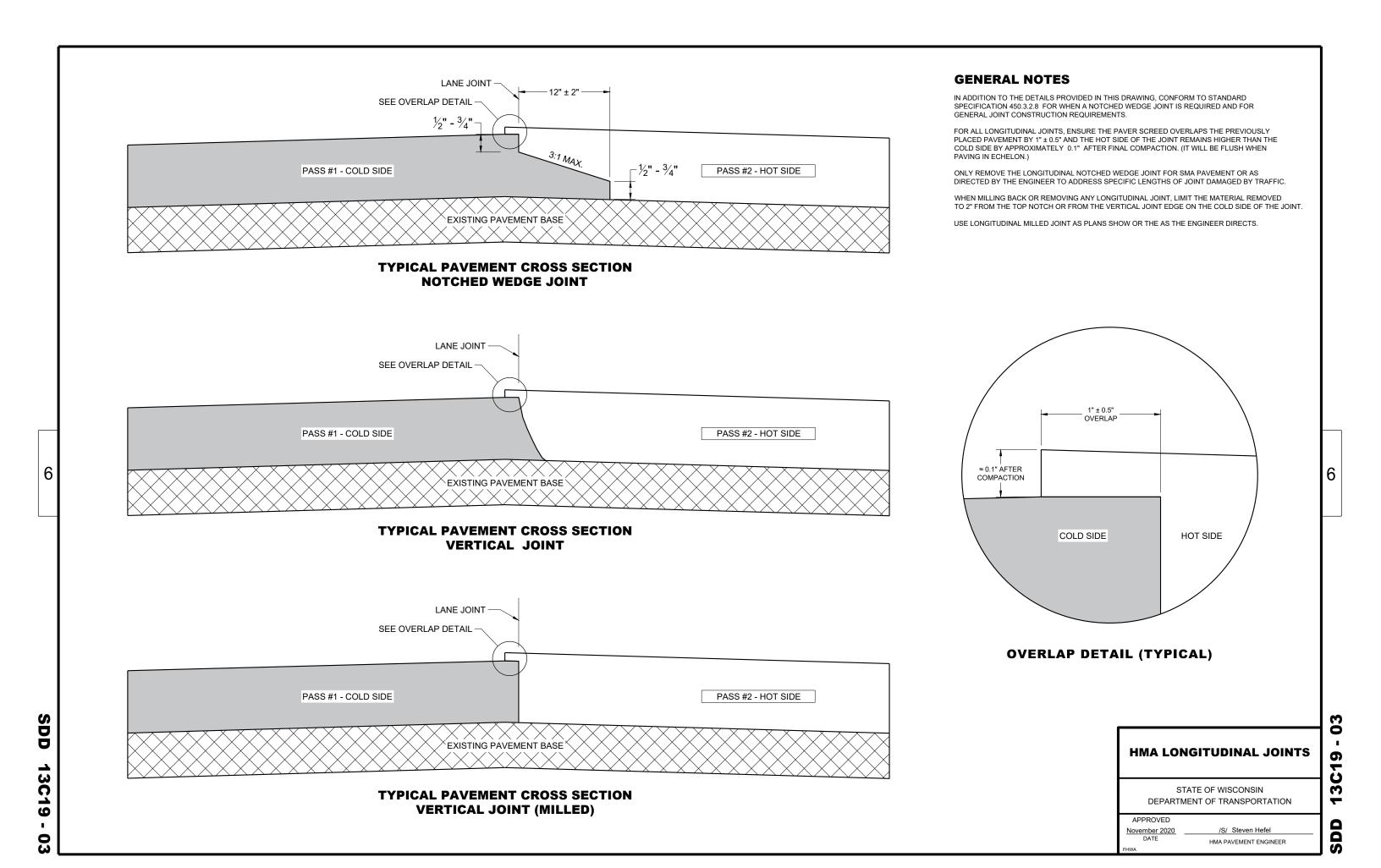
APPROVED

3/26/IO /S/ Scot Becker

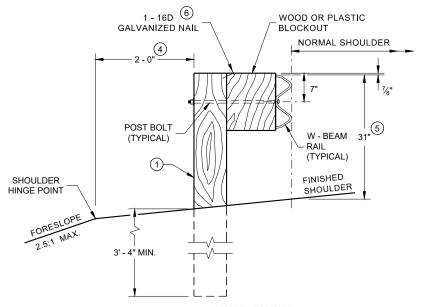
DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

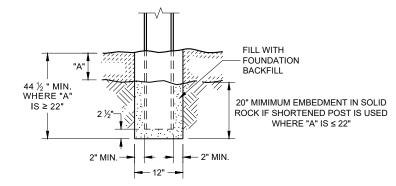
3-10



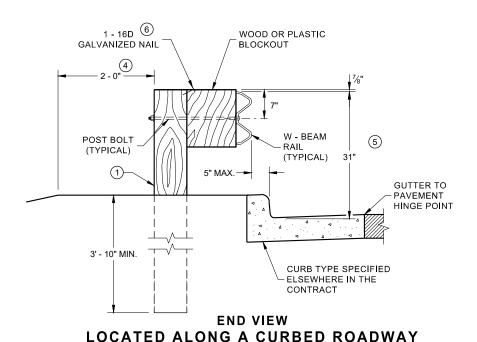
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES 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".

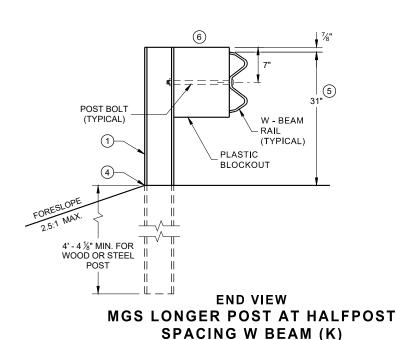


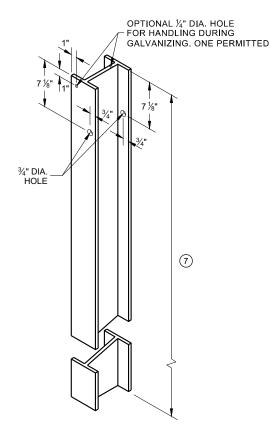
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



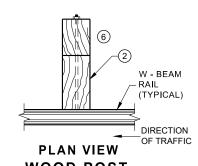
SETTING STEEL OR WOOD POST IN ROCK



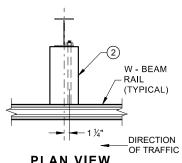




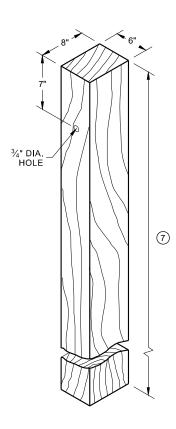
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



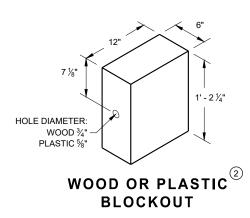
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



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

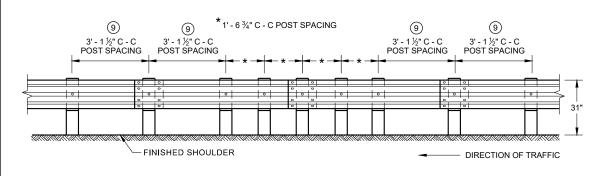
POST SPACING

DIRECTION OF TRAFFIC

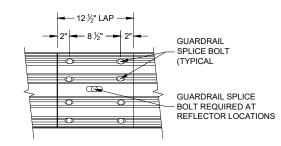
6' - 3" C -C

POST SPACING

FINISHED SHOULDER



FRONT VIEW
QUARTER POST SPACING (QS)



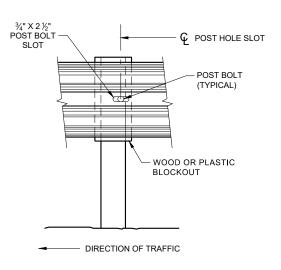
FRONT VIEW
MID-SPAN BEAM SPLICE

GENERAL NOTES

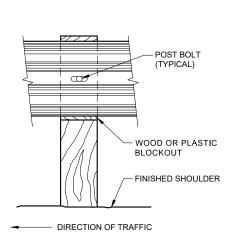
- 8 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

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.

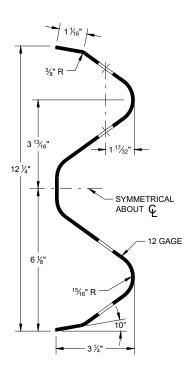
GUARD RAIL SPLICE BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



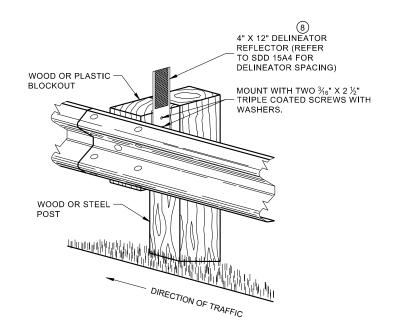
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

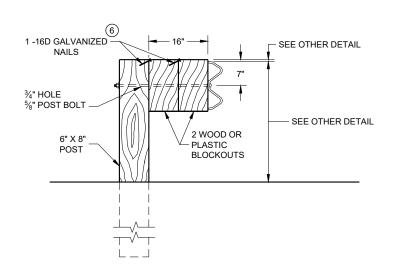
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

07b

SDD

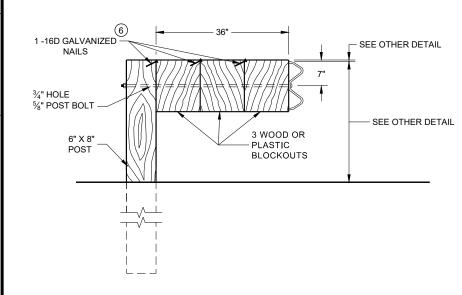
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.



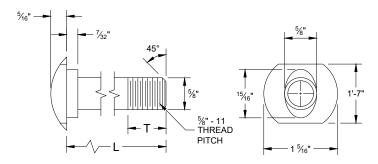
DETAIL FOR 36" BLOCKOUT DEPTH

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.

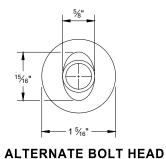
NOTE:

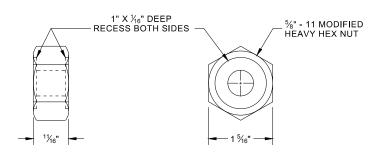
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{3}{16}$ ".
- 2. IF THE BOLT EXTENDS MORE THAN $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



POST BOLT TABLE

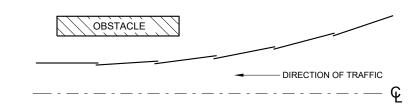
L	T (MIN.)
1 1/4"	1 1/8"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



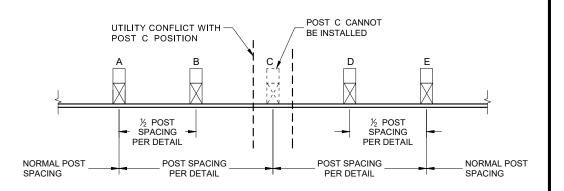


POST BOLT, SPLICE BOLT **AND RECESS NUT**

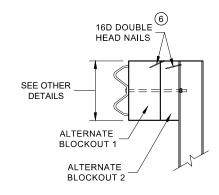
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D (6) GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

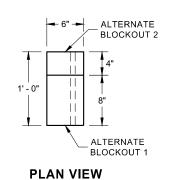


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

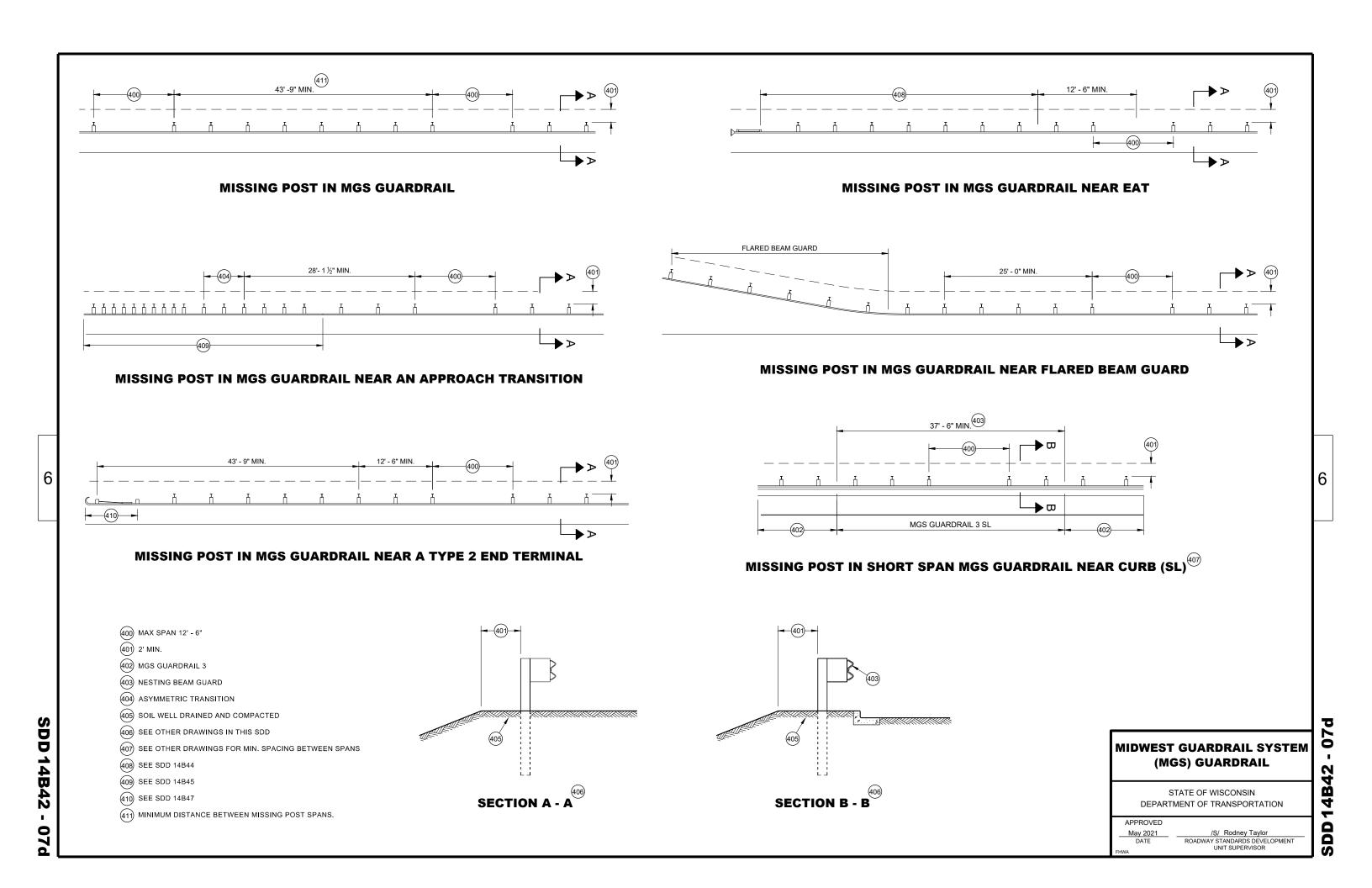
ALTERNATE WOOD BLOCKOUT DETAIL

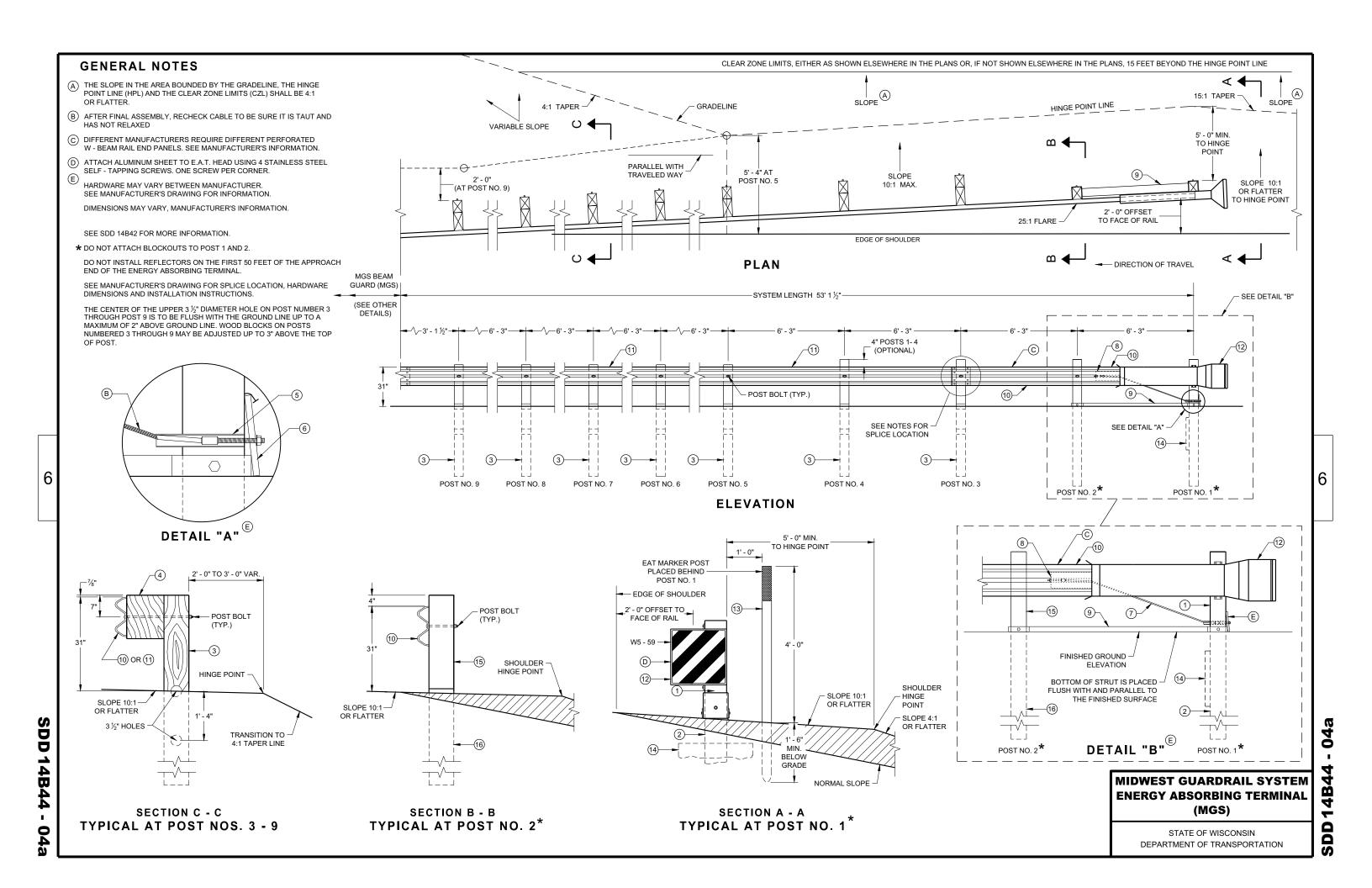
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

07

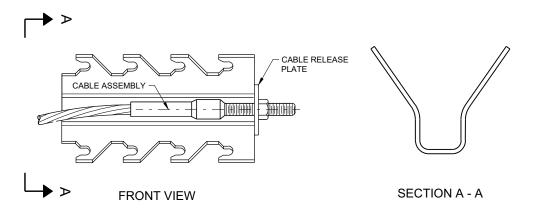
SD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

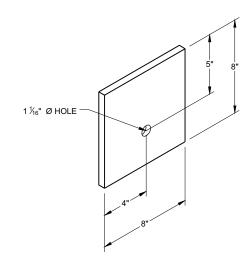




GENERIC GROUND STRUT



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



BEARING PLATE

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

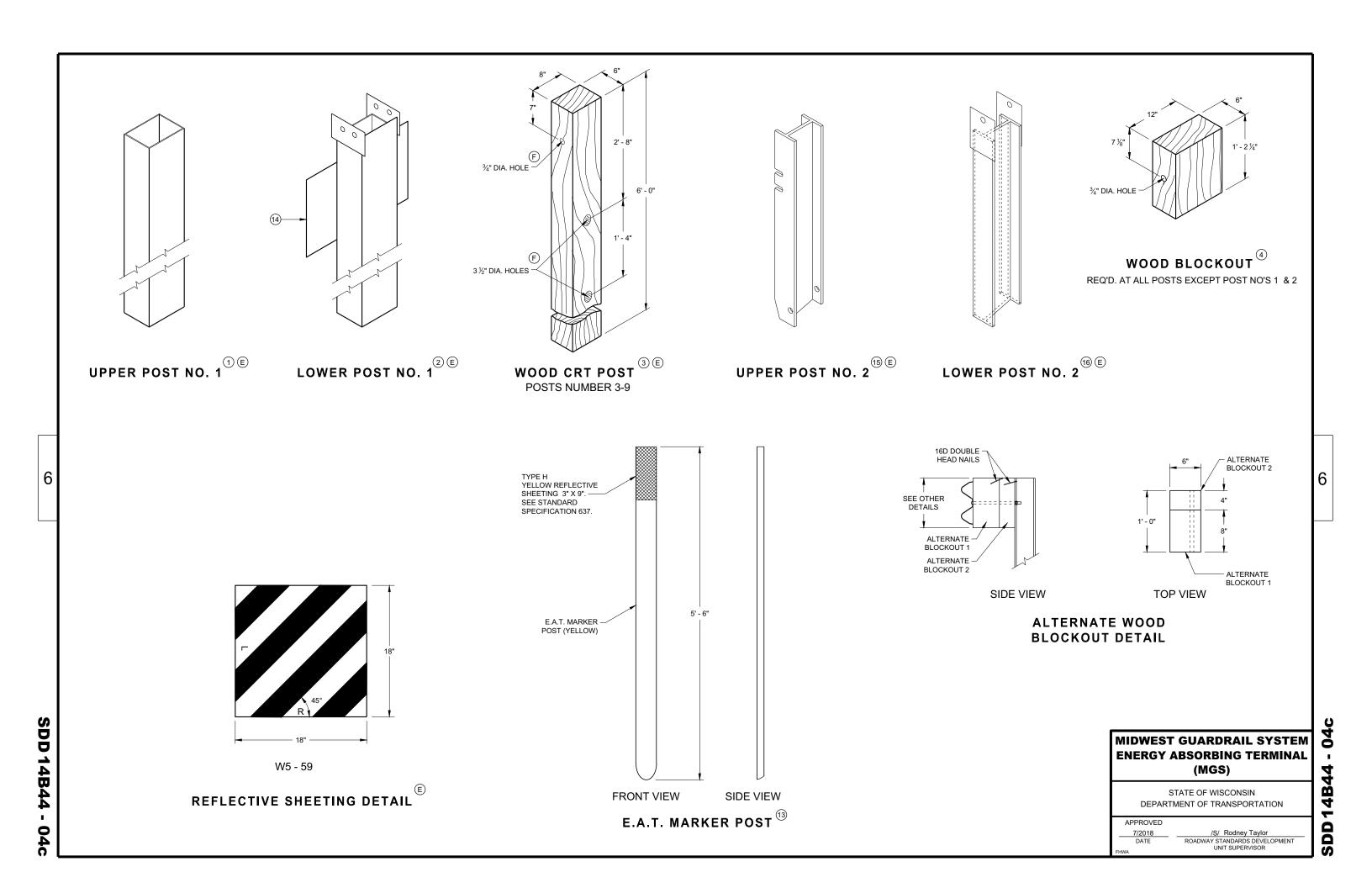
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

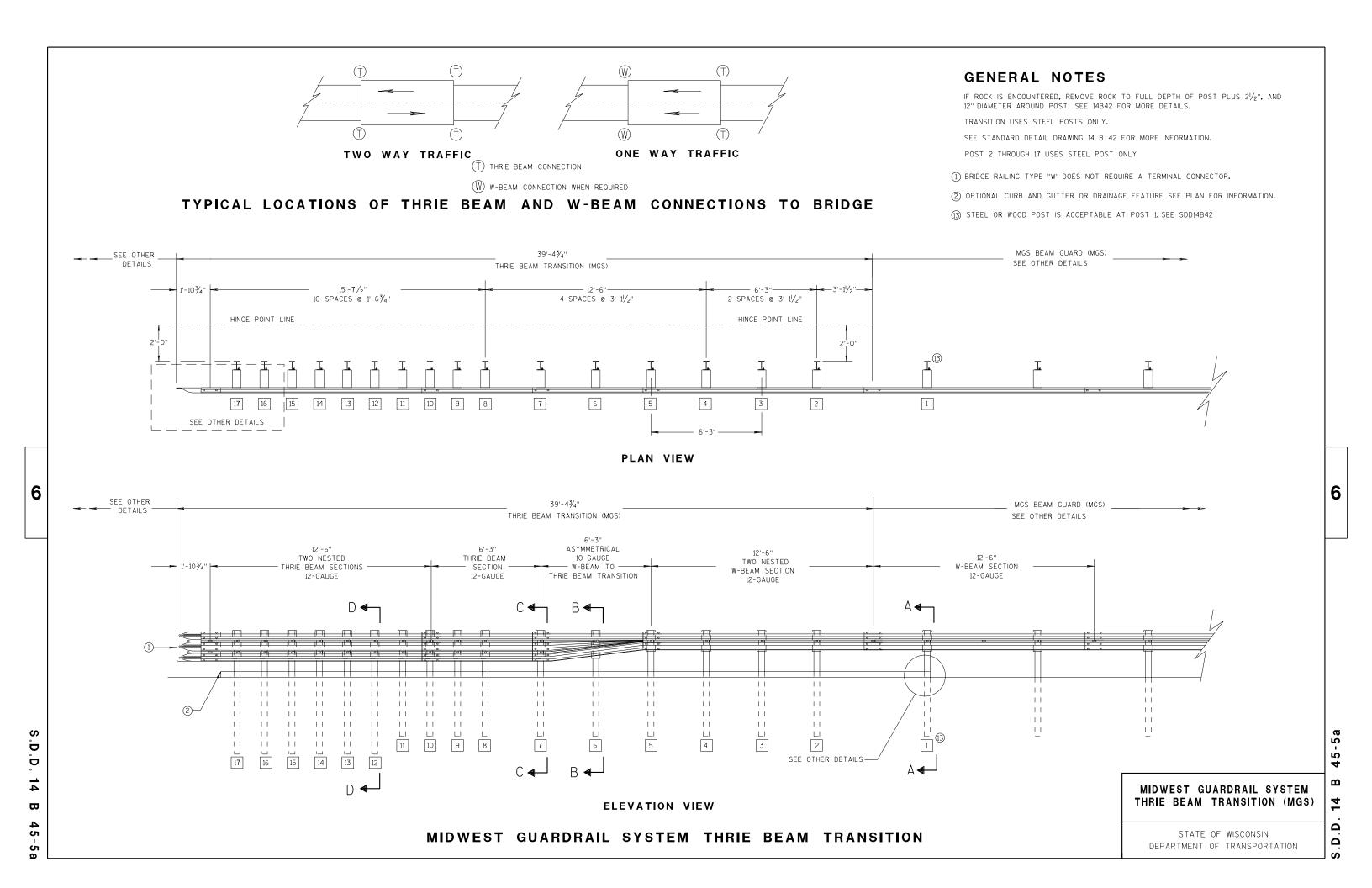
6

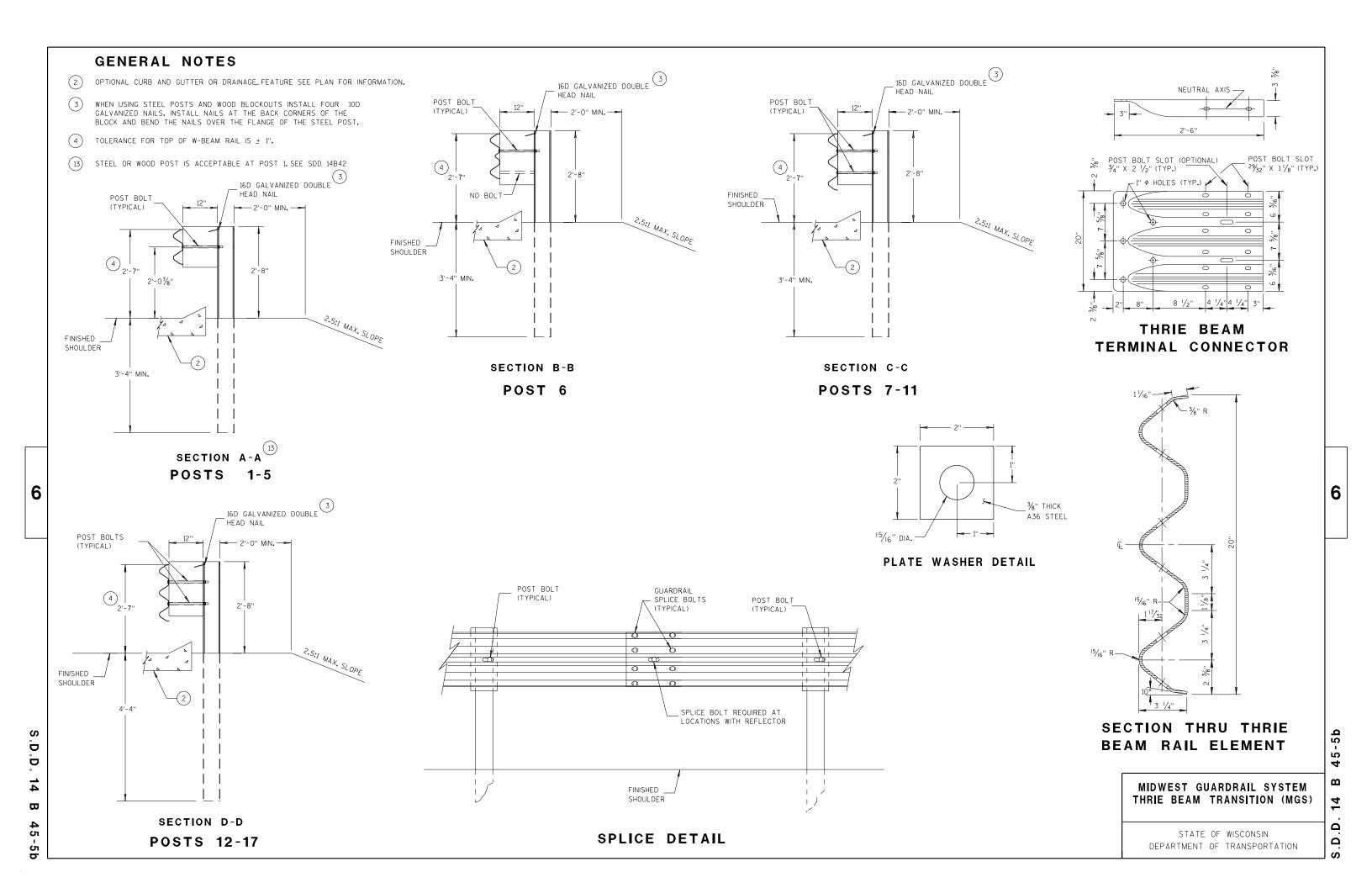
O

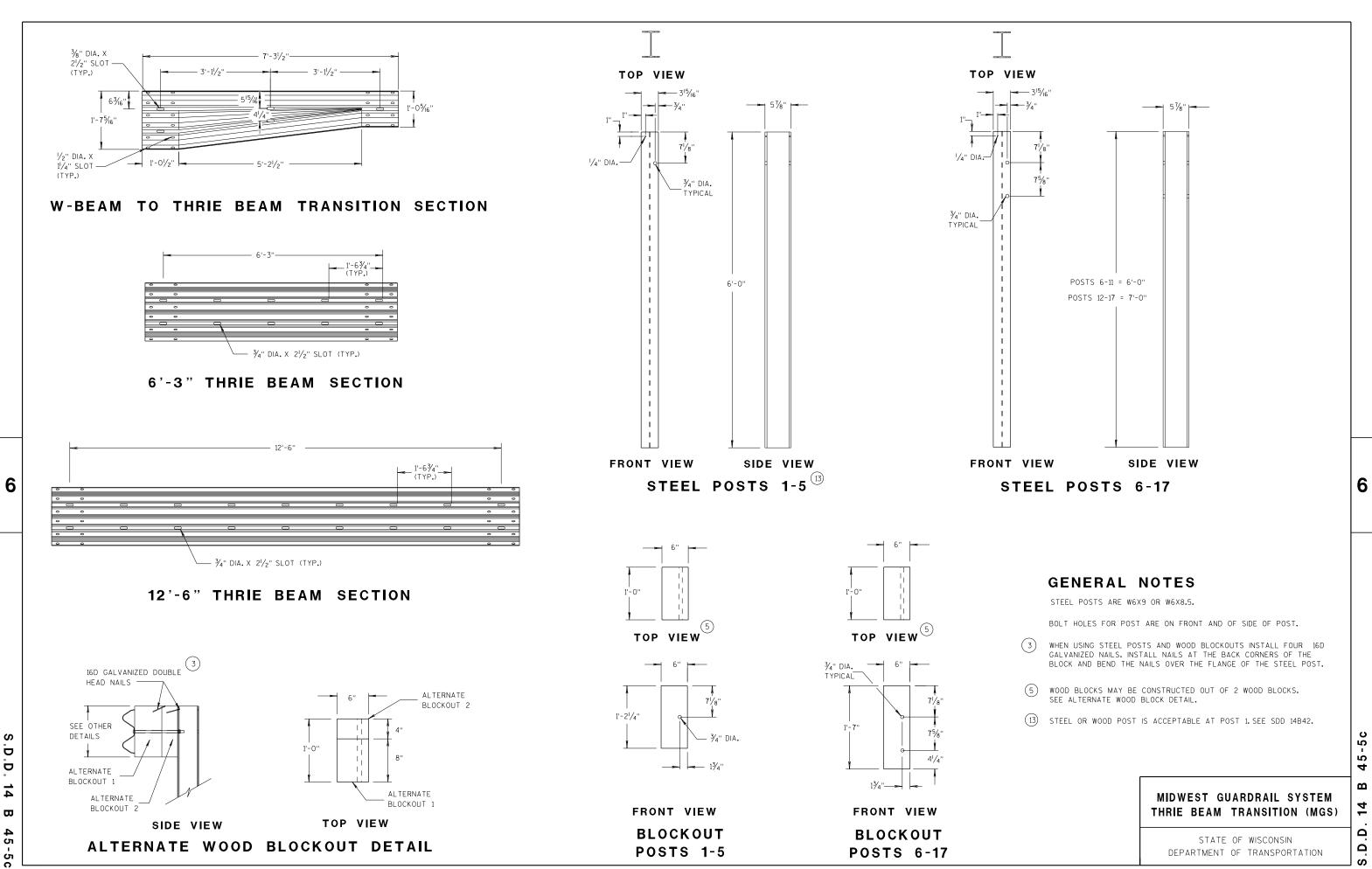
SDD

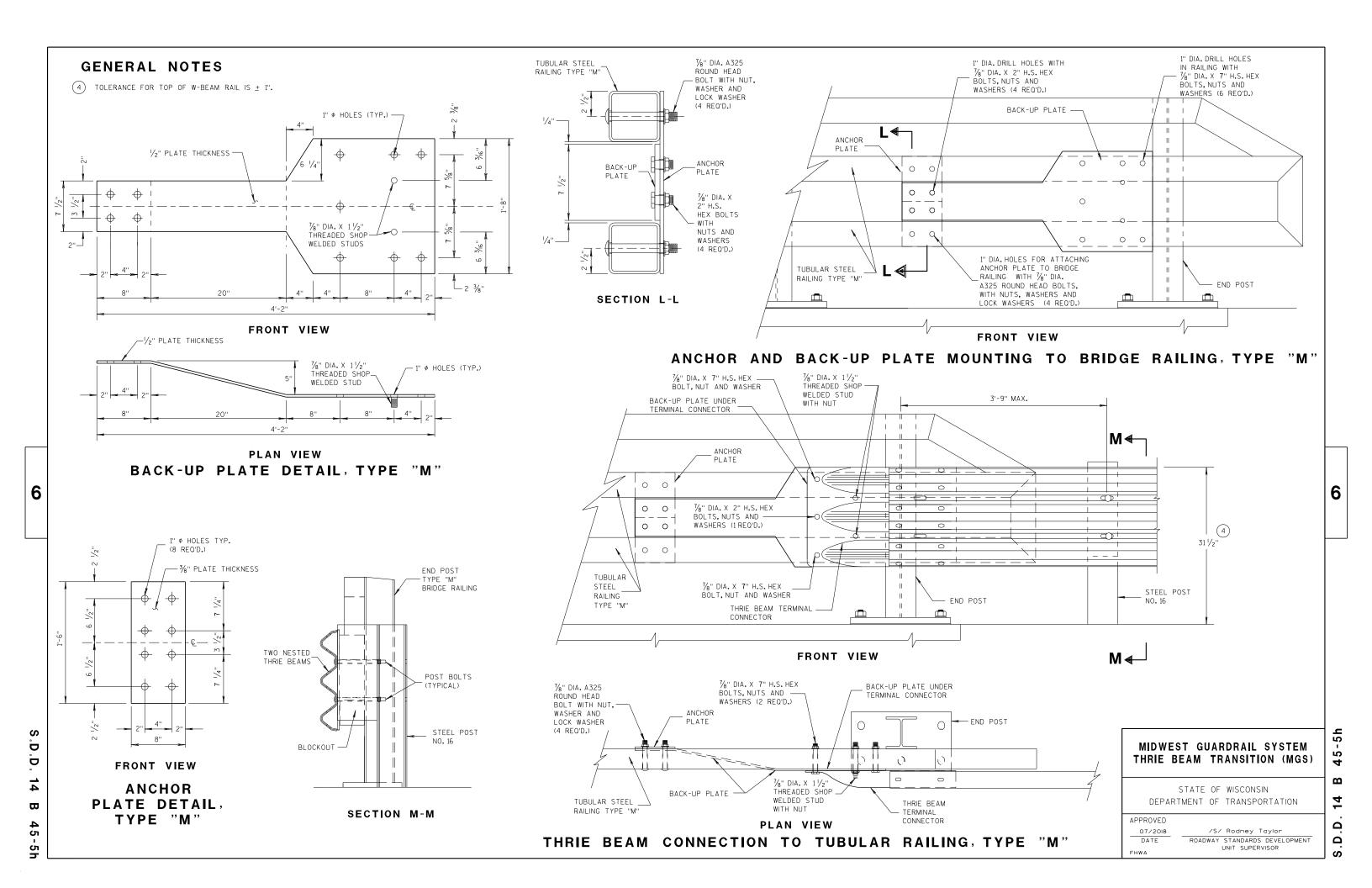
SDD 14B44 - 04

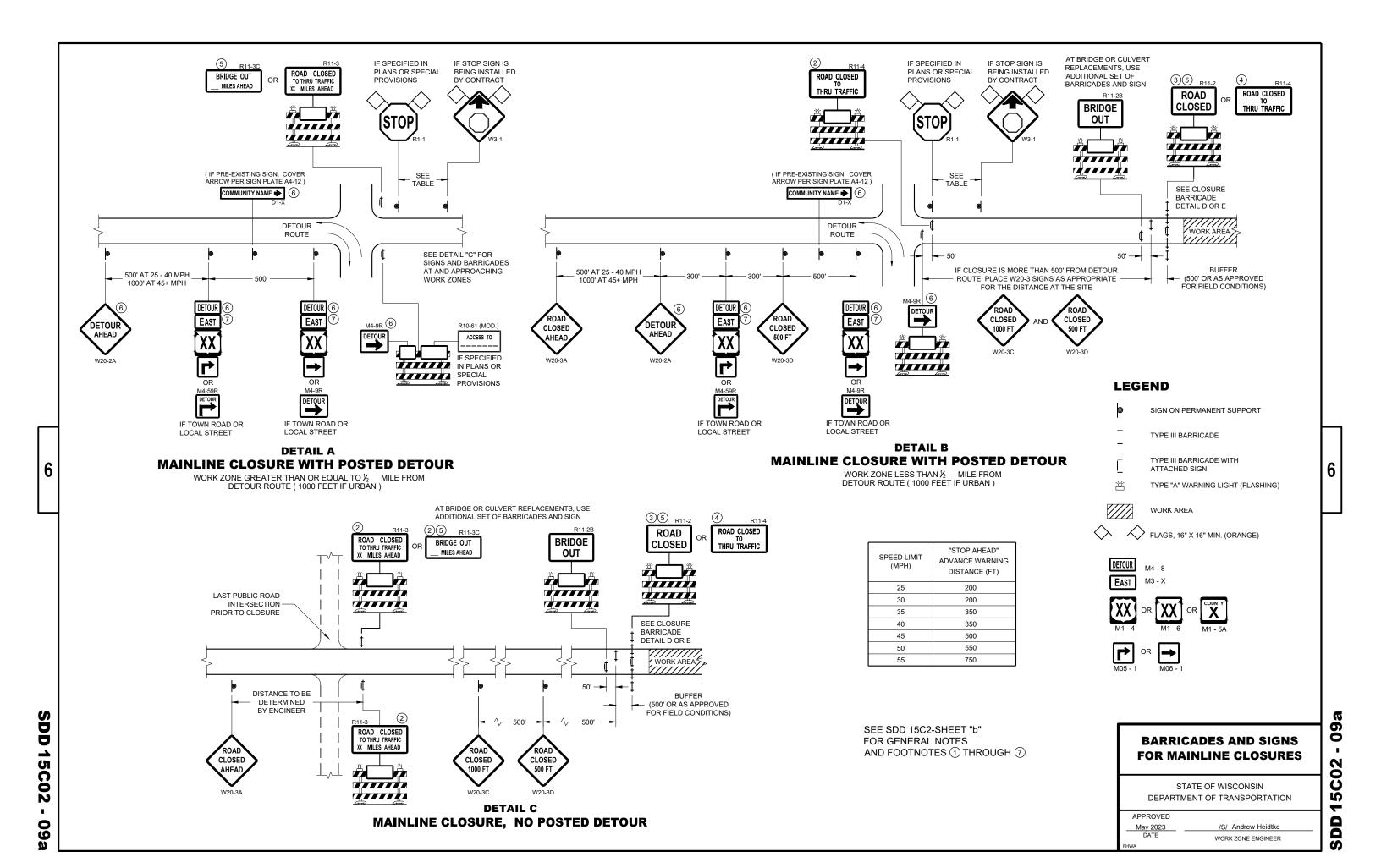


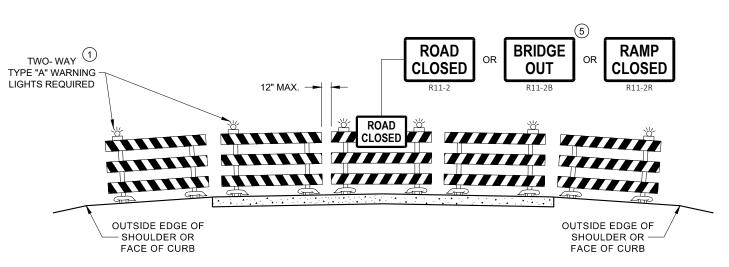




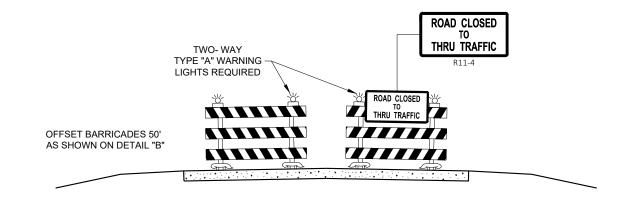








DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



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**

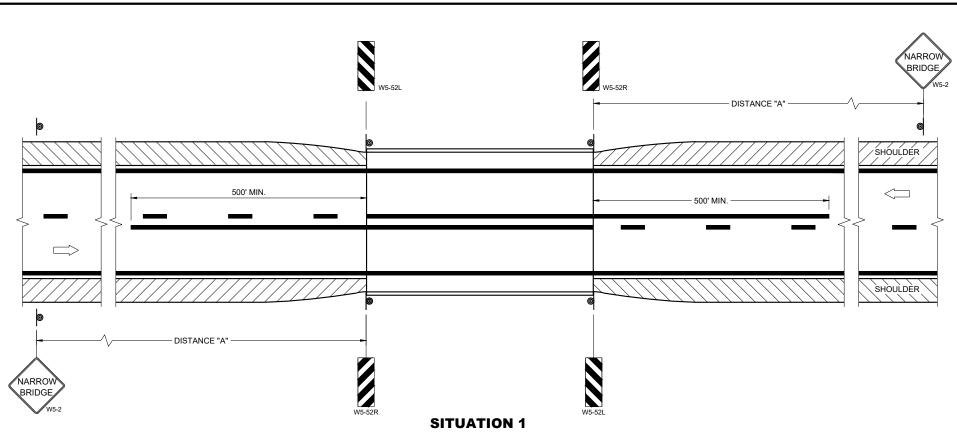
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE WORK ZONE ENGINEER

Ò 0 Ŋ



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

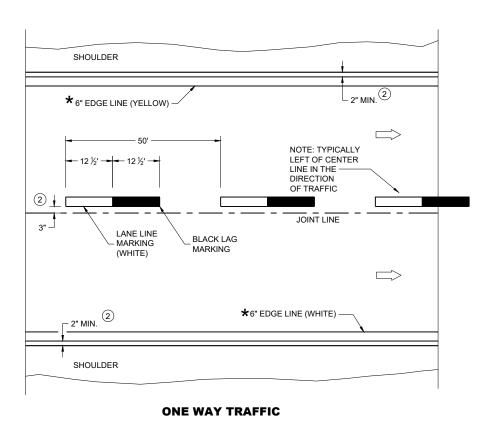
DISTANCE TABLE

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

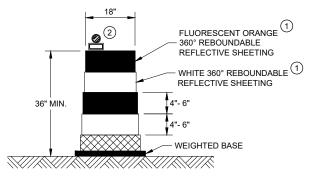
C08-23 Ŋ SD

15C08-23a

SDD 15C11

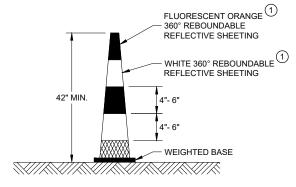
GENERAL NOTES

- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



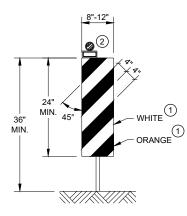
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



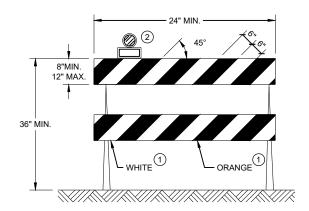
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



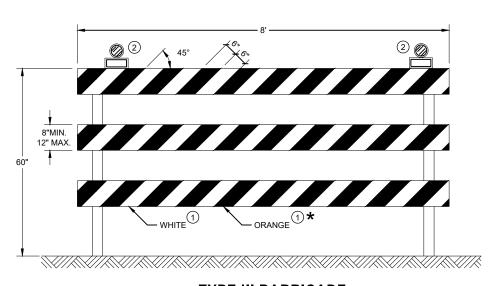
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

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

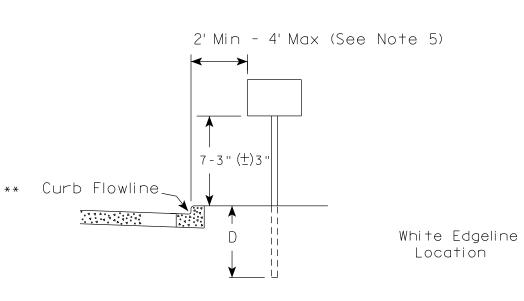
* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

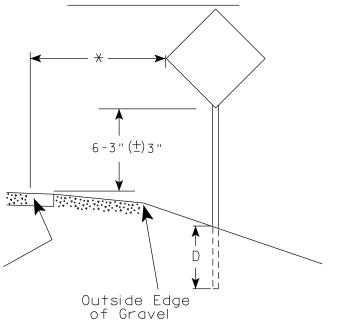
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

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





RURAL AREA (See Note 2)



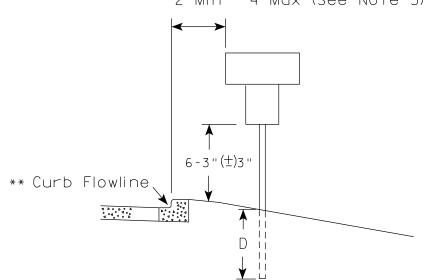
GENERAL NOTES

- 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

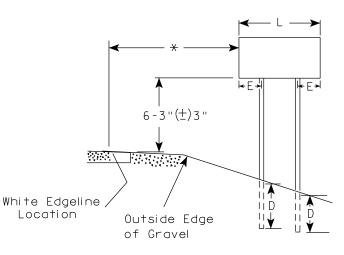
PLOT NAME :

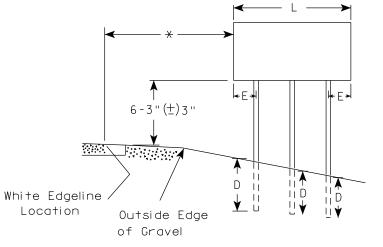
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

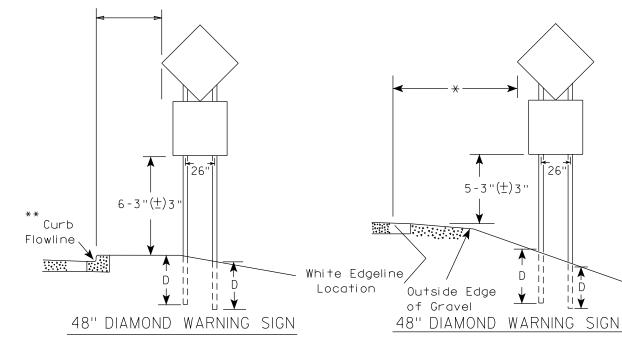
APPROVED

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	E
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 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

CUEET NO.

SHEET NO:

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

PROJECT NO:

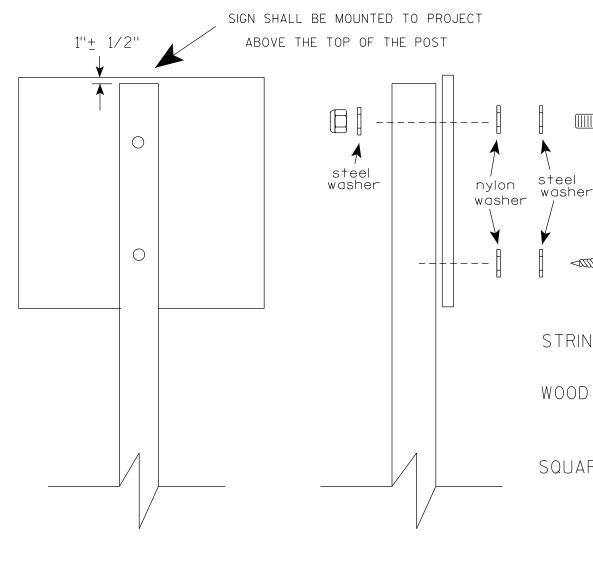
COUNTY:

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:

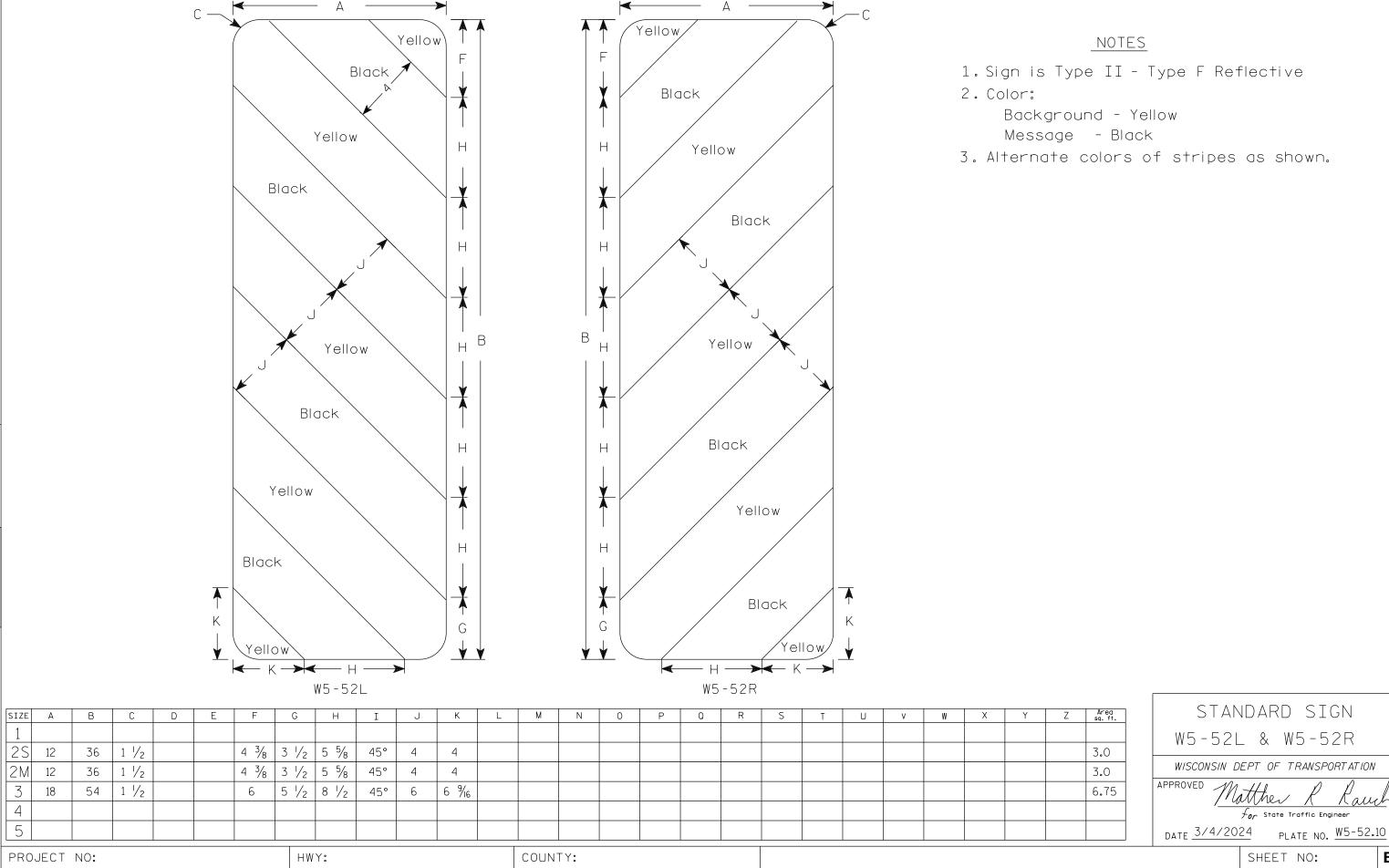
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SIGN

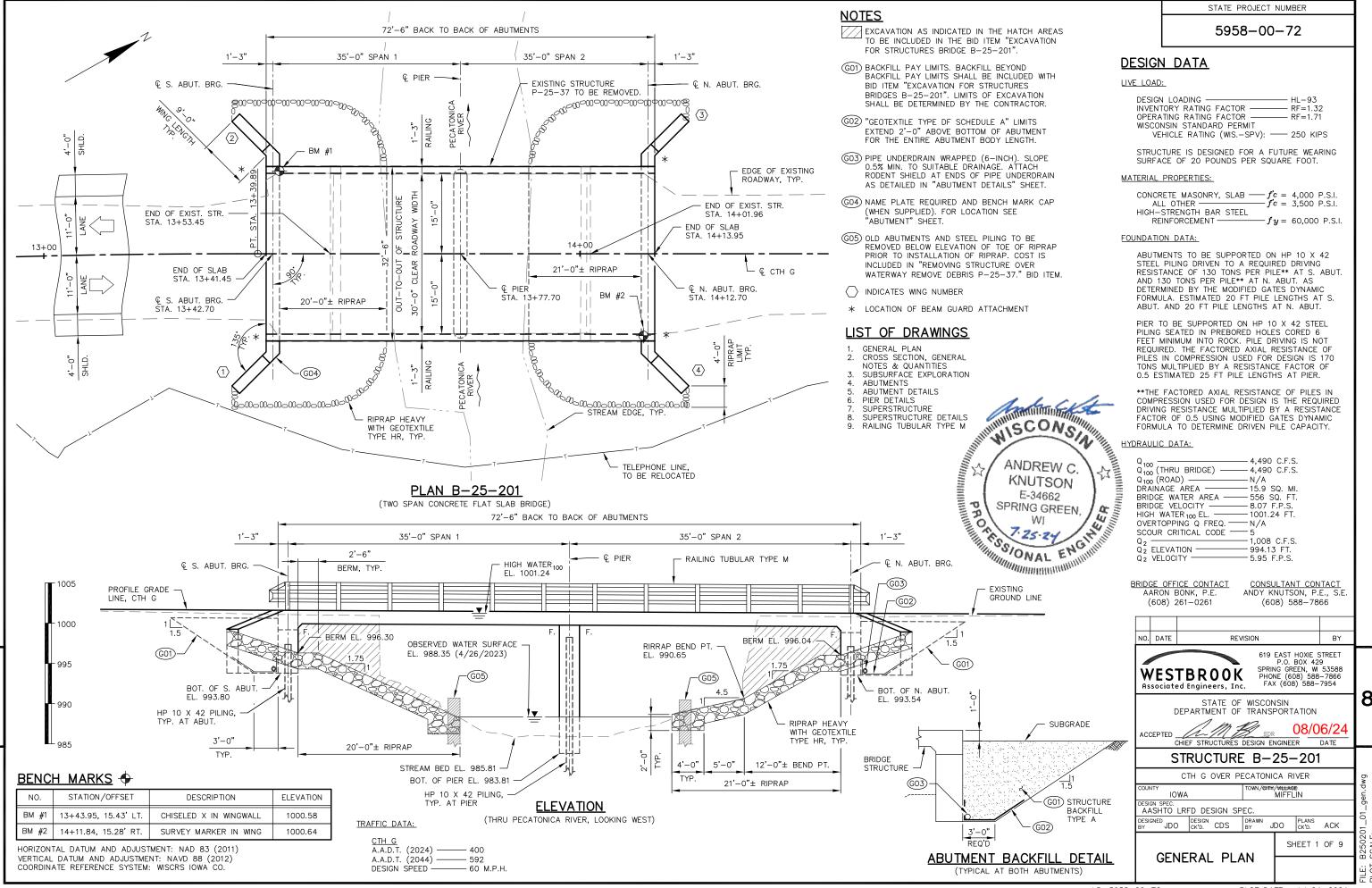
PLOT BY : dotc4c

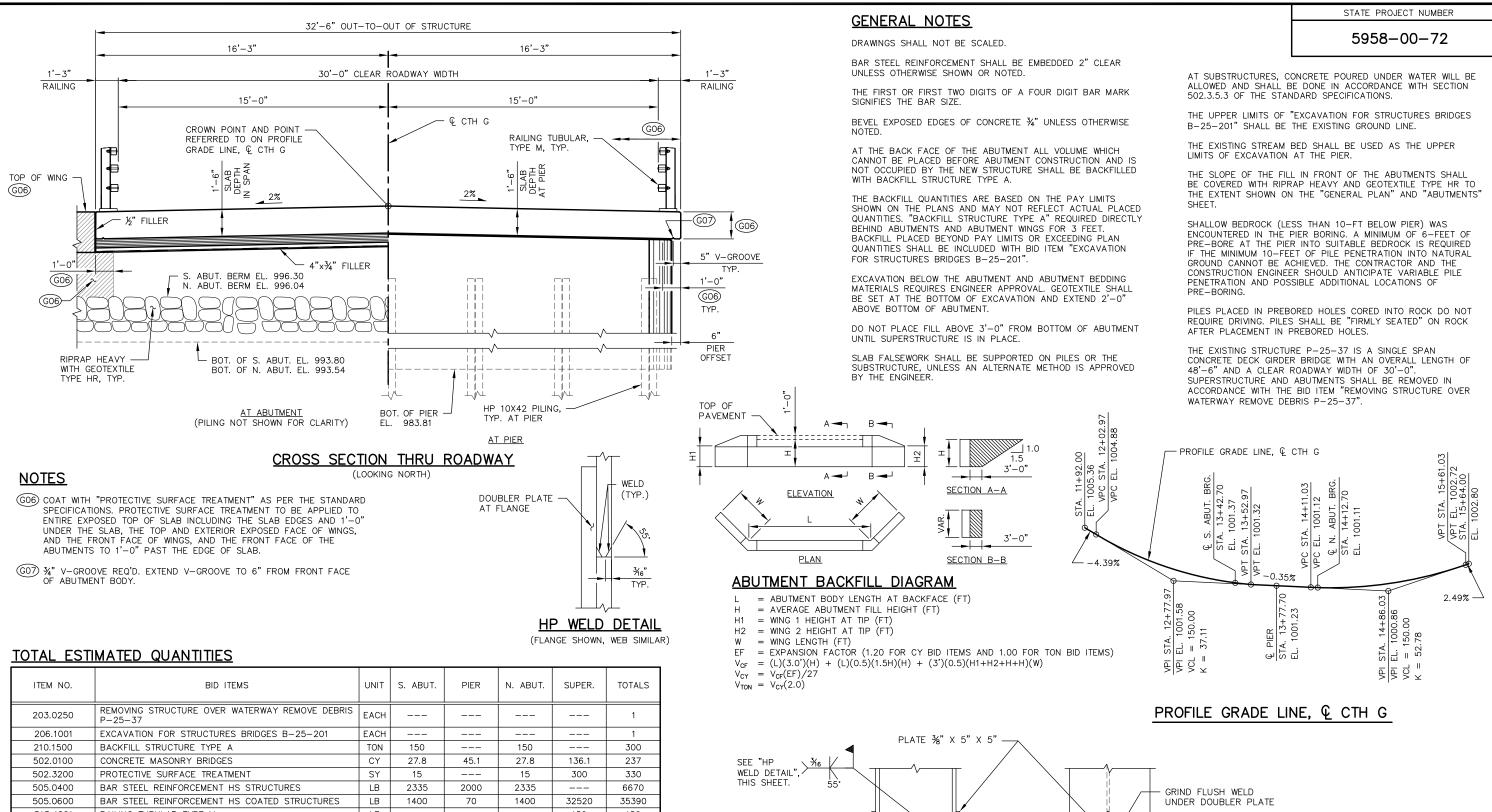
WISDOT/CADDS SHEET 42

Ε



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





PLACED FIRST

513.4061 RAILING TUBULAR TYPE M 150 150 516.0500 RUBBERIZED MEMBRANE WATERPROOFING SY 14 550.0020 PRE-BORING ROCK OR CONSOLIDATED MATERIALS 70 70 LF ____ ____ ___ 550,1100 PILING STEEL HP 10-INCH X 42 LB LF 140 175 140 455 DATE 606.0300 RIPRAP HEAVY CY 105 ---100 205 ___ PIPE UNDERDRAIN WRAPPED 6-INCH 612.0406 LF 85 85 170 <u>GF</u> ◀ WELD DETAIL", 645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY 35 ---35 70 GEOTEXTILE TYPE HR 171 178 645.0120 SY ---___ 349 HP 10 X 42 STEEL PILING (NON-BID ITEM) | FILLER SIZE ½" & ¾" CROSS SECTION, IF DOUBLER PILE SPLICE DETAILS GENERAL NOTES & % │

REVISION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

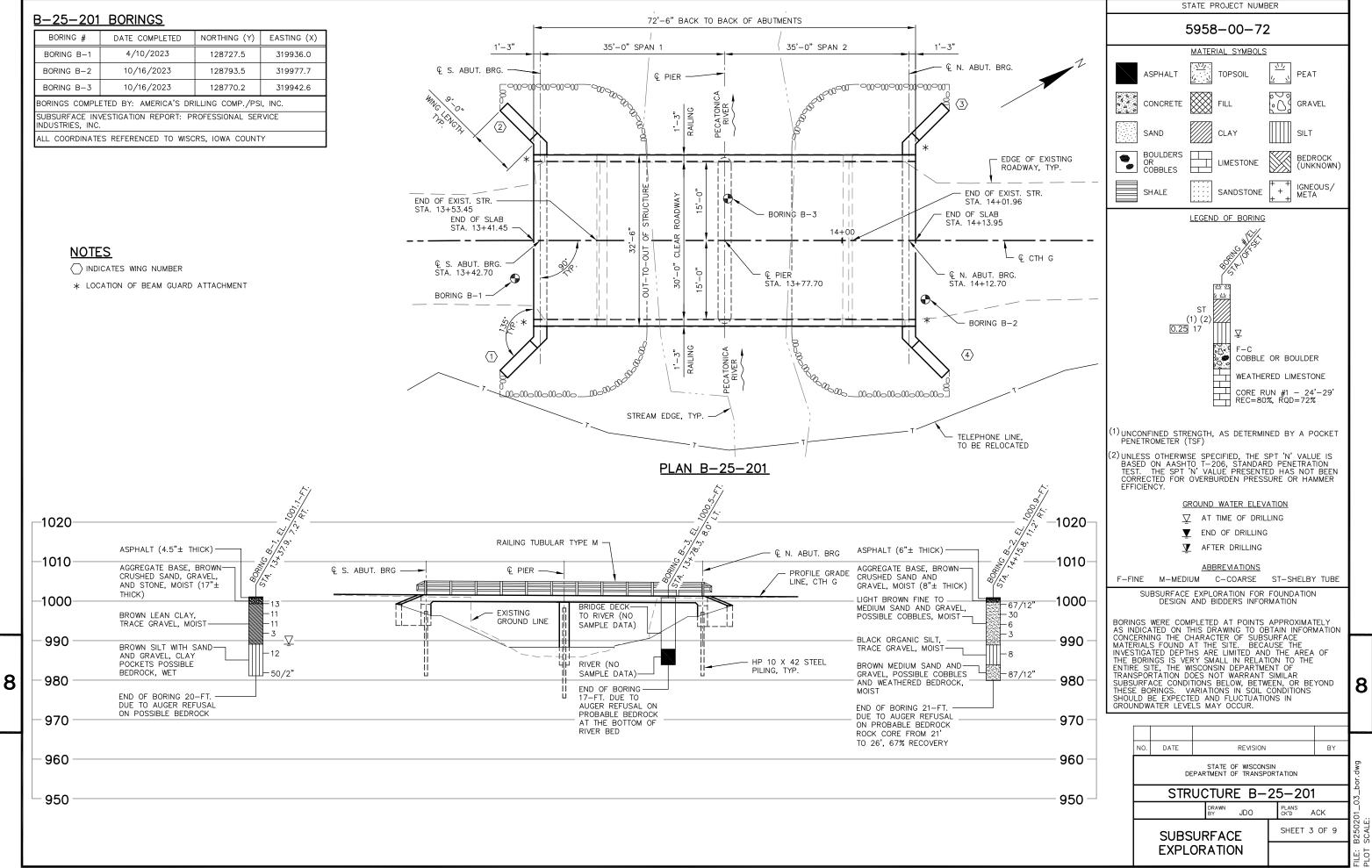
STRUCTURE B-25-201

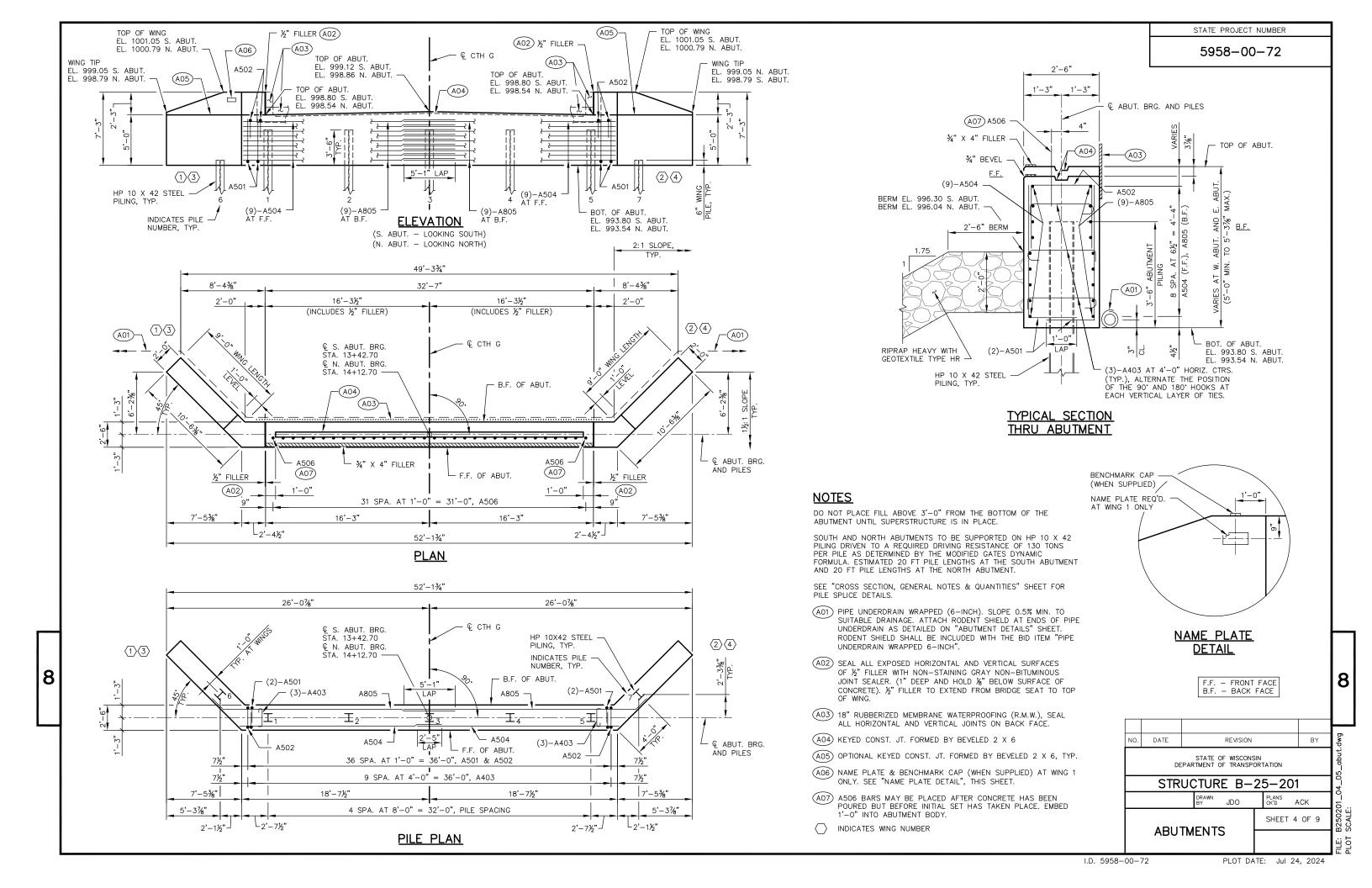
QUANTITIES

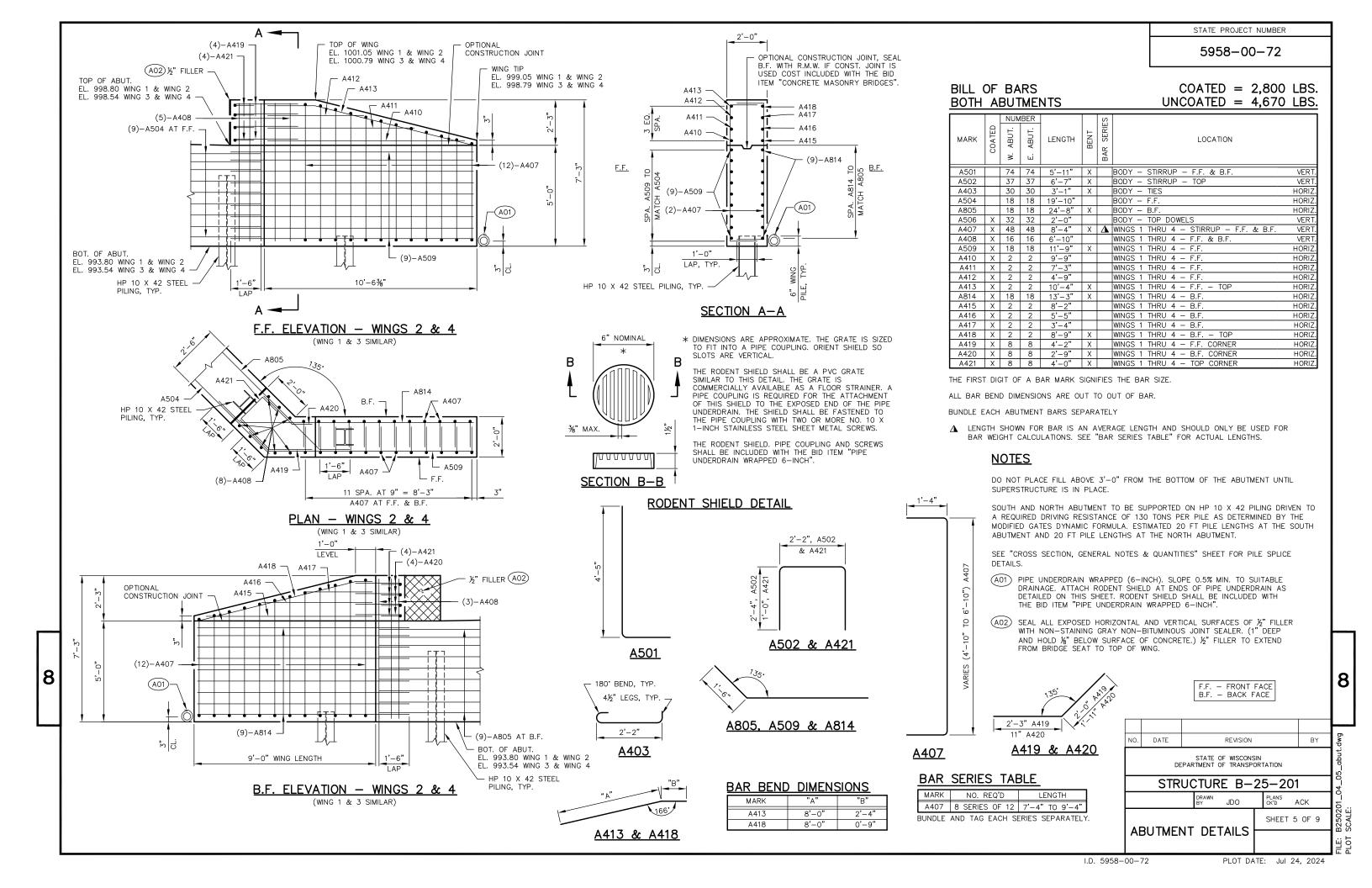
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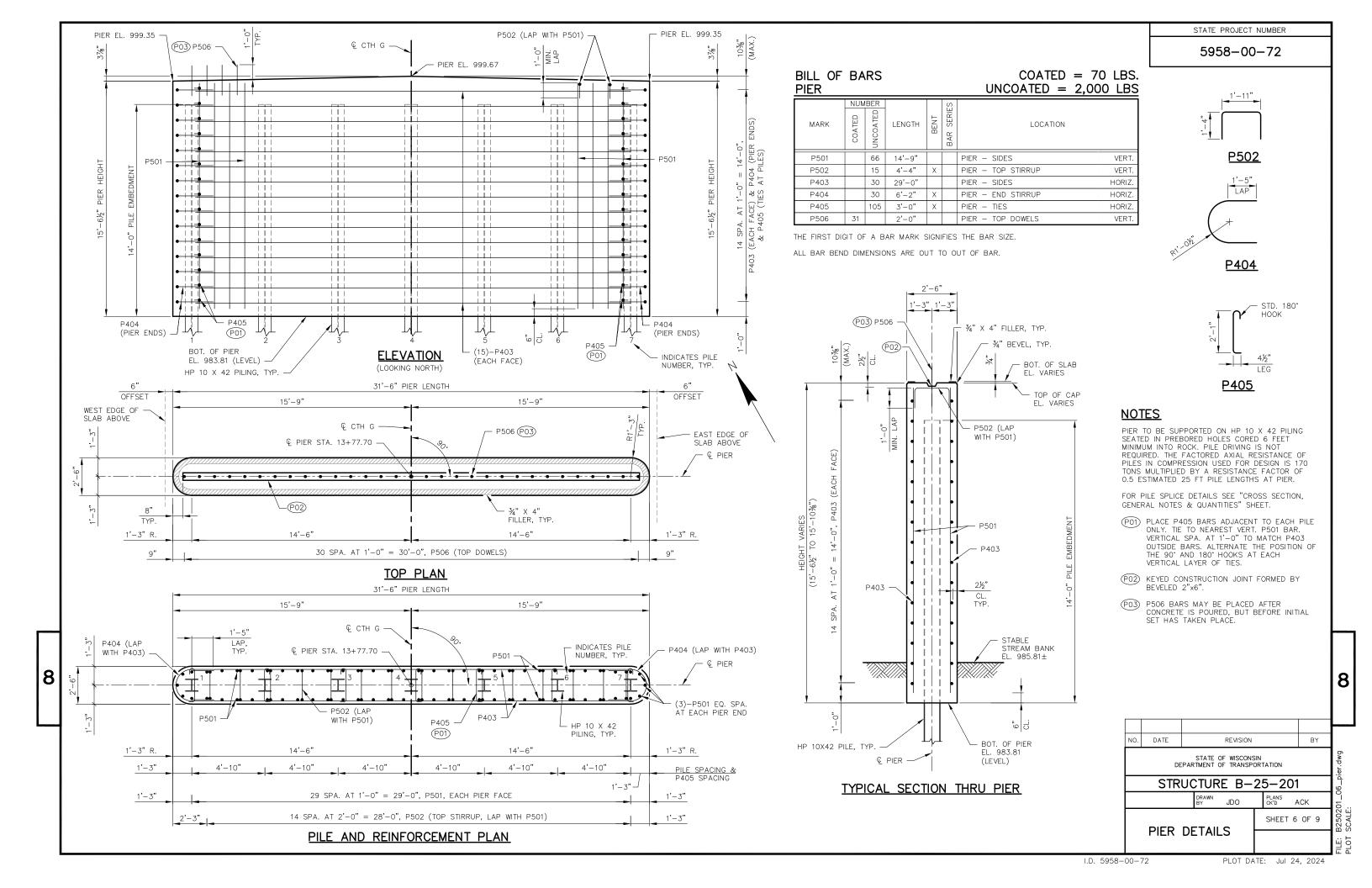
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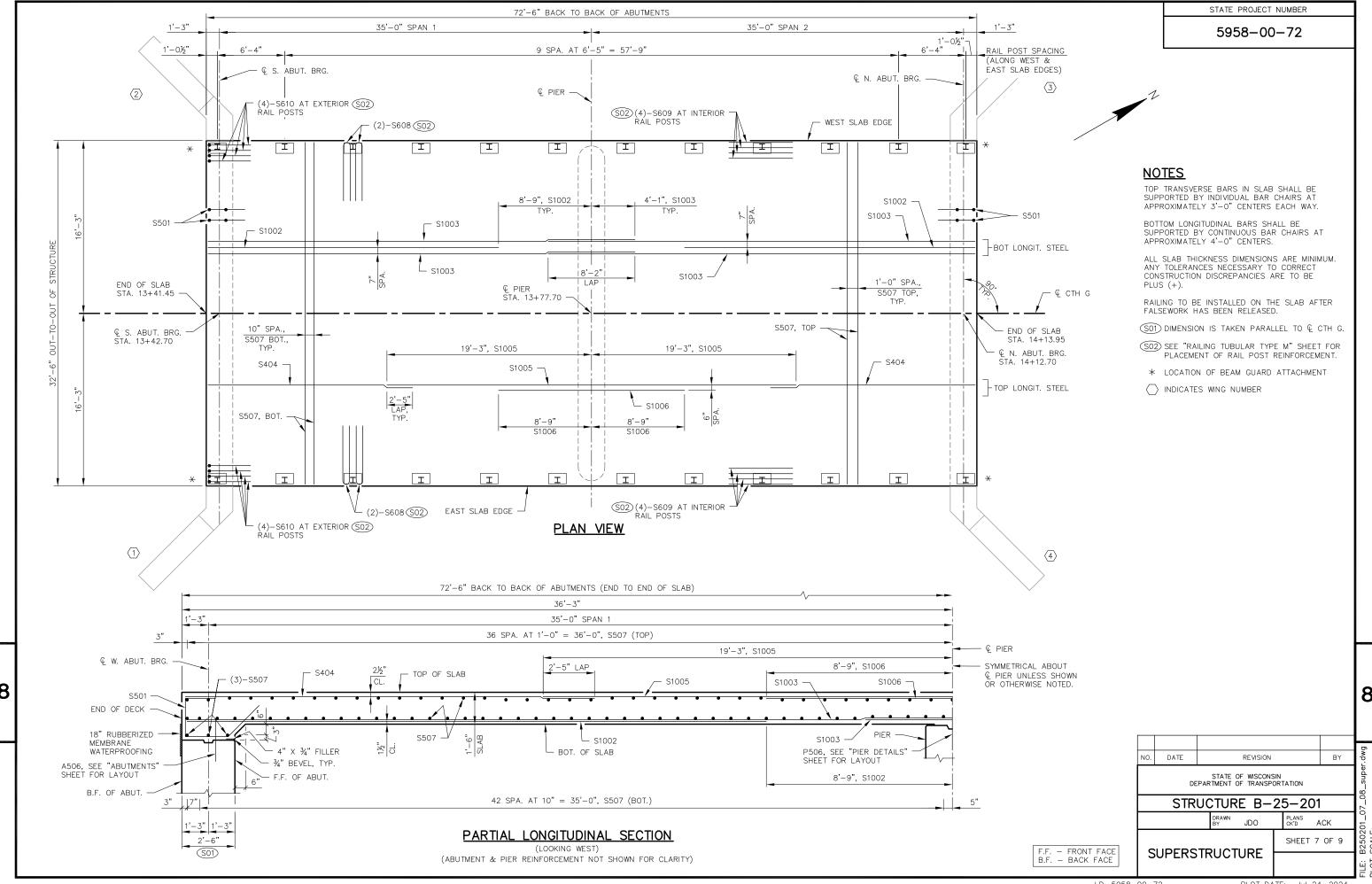
SHEET 2 OF 9

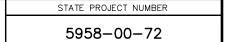






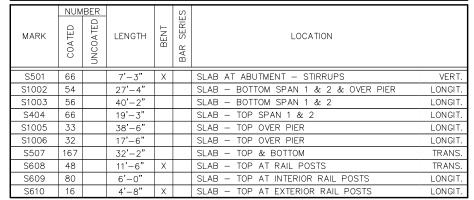






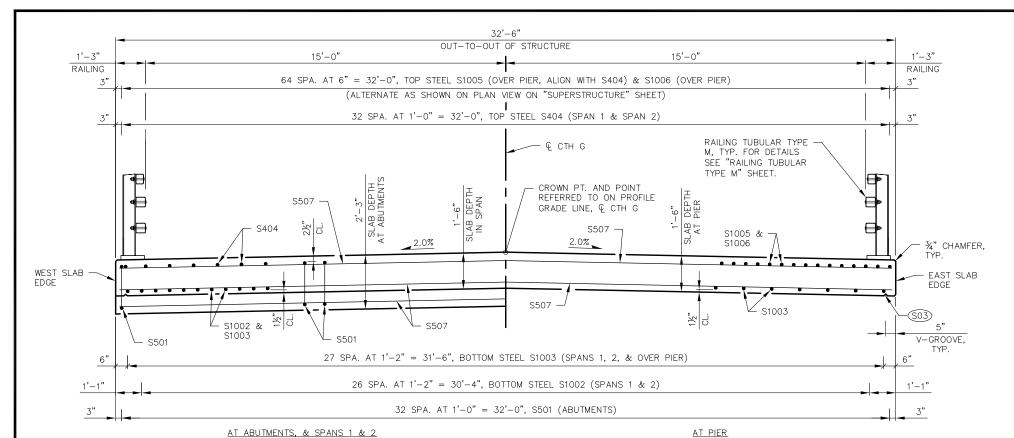
BILL OF BARS **SUPERSTRUCTURE**

COATED = 32,520 LBS.



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

ALL BAR BEND DIMENSIONS ARE OUT TO OUT OF BAR.



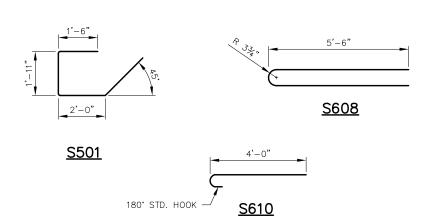
CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

SURVEY TOP OF SLAB ELEVATIONS

	€ S. ABUT. BRG.	SPAN 1 5/10 PT.	© PIER	SPAN 2 5/10 PT.	€ N. ABUT. BRG.
WEST SLAB EDGE					
© CTH G					
EAST SLAB EDGE					

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE & OF ABUTMENTS, & OF PIER AND AT 5/10 POINTS TO VERIFY CAMBER. TAKE ELEVATIONS ALONG EDGE OF SLAB AND REFERENCE LINE. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.



	€ PIER
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	N. ABUT. BRG. N. ABUT. BRG. N. ABUT. BRG.
0.1 PT 0.2 PT 0.3 PT 0.5 PT 0.6 PT 0.7 PT 0.8 PT	1.1 PT. 1.3 PT. 1.5 PT. 1.6 PT. 1.8 PT. 1.9 PT.
35'-0" SPAN 1	35'-0" SPAN 2

SLAB CAMBER DIAGRAM

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

TOP OF SLAB ELEVATION AT FINAL GRADE SLAB THICKNESS

CAMBER

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

EQUALS TOP OF SLAB FALSEWORK ELEVATION.

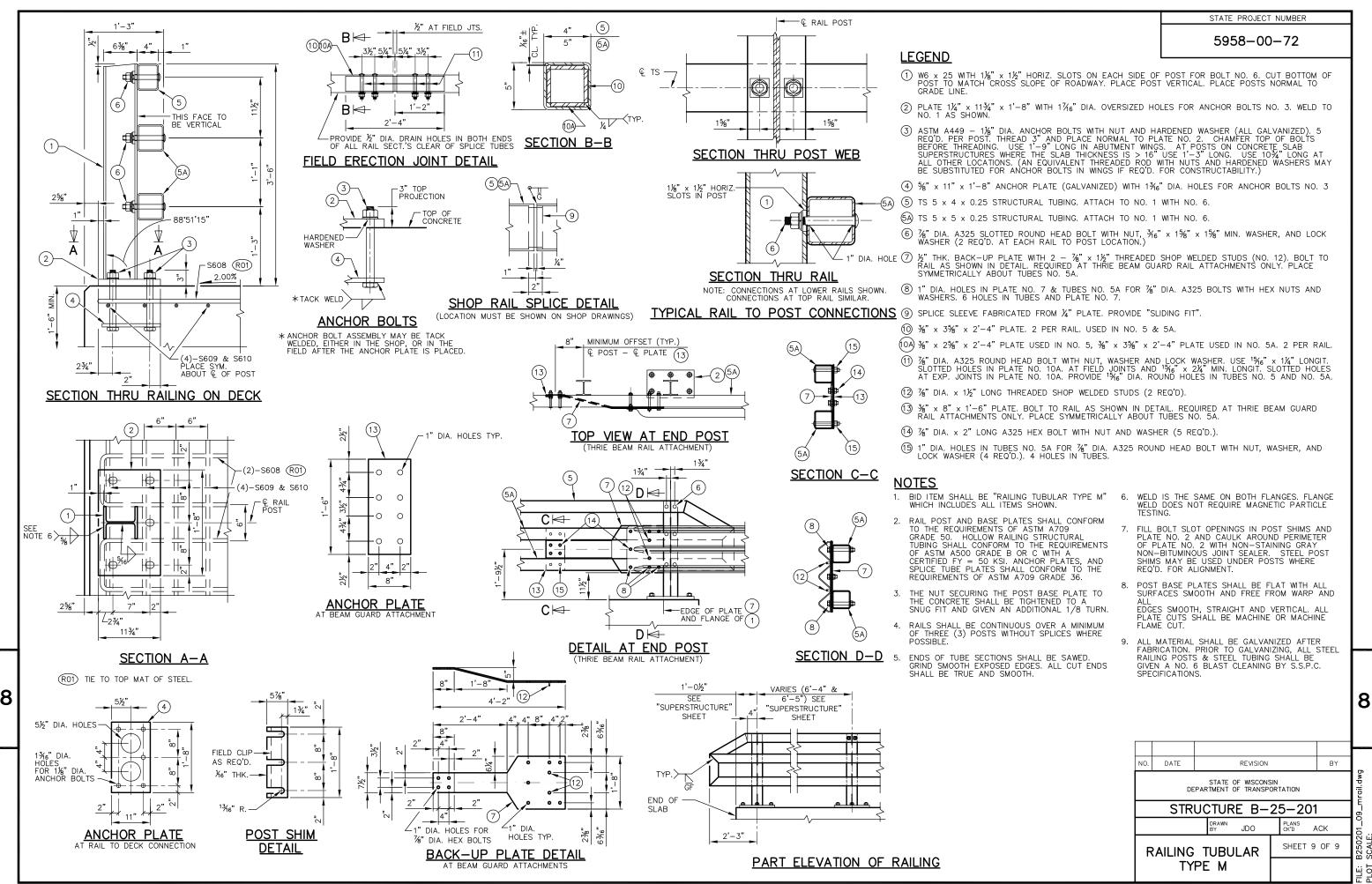
TOP	OF SLAE	B ELEVA	TIONS
SPAN PT	WEST SLAB EDGE	€ CTH G	EAST SLAB EDGE
ℚ S. ABUT.	1001.05	1001.37	1001.05
0.1	1001.03	1001.35	1001.03
0.2	1001.01	1001.33	1001.01
0.3	1001.00	1001.32	1001.00
0.4	1000.99	1001.31	1000.99
0.5	1000.98	1001.30	1000.98
0.6	1000.96	1001.28	1000.96
0.7	1000.95	1001.27	1000.95
0.8	1000.94	1001.26	1000.94
0.9	1000.93	1001.25	1000.93
€ PIER	1000.91	1001.23	1000.91
1.1	1000.90	1001.22	1000.90
1.2	1000.89	1001.21	1000.89
1.3	1000.88	1001.20	1000.88
1.4	1000.87	1001.19	1000.87
1.5	1000.85	1001.17	1000.85
1.6	1000.84	1001.16	1000.84
1.7	1000.83	1001.15	1000.83
1.8	1000.82	1001.14	1000.82
1.9	1000.81	1001.13	1000.81
ℚ N. ABUT.	1000.79	1001.11	1000.79

NOTES

CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

\$03) 34" V-GROOVE. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT BODY. V-GROOVES ARE REQUIRED.

DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-25-201 ACK SHEET 8 OF 9 **SUPERSTRUCTURE DETAILS**



			AREA (SF)		INC	INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	SALVAGED/UNUSABLE	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE	
			PAVEMENT MATERIAL		NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8	
11+35.00	0.00	21.92	0.00	0.00	0	0	0	0	0	0	
11+50.00	15.00	18.70	0.00	0.39	11	0	0	11	0	11	
11+92.00	42.00	14.46	8.48	9.19	26	7	7	37	9	21	
12+00.00	8.00	45.75	8.45	5.42	9	3	2	46	11	25	
12+50.89	50.89	54.16	8.18	45.26	94	16	48	140	71	43	
12+52.59	1.70	54.11	8.19	45.64	3	1	3	143	75	41	
12+76.18	23.59	53.74	8.06	15.24	47	7	27	190	109	47	
12+77.38	1.20	53.79	8.05	13.48	2	0	1	192	110	48	
13+01.39	24.01	52.33	8.07	14.37	47	7	12	239	125	73	
13+02.12	0.73	52.12	8.08	14.14	1	0	0	240	125	74	
13+41.45	39.33	26.80	8.66	6.37	57	12	15	297	144	100	
					STRUCT	JRE B-25-0201					
			DIVISION 1 TOTAL		297	53	115				

			AREA (SF)		ING	INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	SALVAGED/UNUSABLE	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE	
			PAVEMENT MATERIAL		NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8	
					STRUCT	URE B-25-0201		•			
14+13.95	0.00	29.83	10.70	2.64	0	0	0	0	0	0	
14+50.00	36.05	40.79	8.31	48.63	47	13	34	47	43	-9	
14+53.65	3.65	41.47	8.30	49.12	6	1	7	53	51	-12	
14+78.63	24.98	43.61	8.30	64.44	39	8	53	92	118	-48	
15+00.00	21.37	43.39	8.29	96.67	34	7	64	126	198	-101	
15+03.60	3.60	43.29	8.29	100.94	6	1	13	132	214	-112	
15+50.00	46.40	41.69	8.15	71.48	73	14	148	205	399	-238	
15+64.00	14.00	14.22	8.19	53.27	14	4	32	219	439	-268	
15+70.00	6.00	7.05	0.00	16.11	2	1	8	221	449	-277	
15+95.00	25.00	7.92	0.00	0.00	7	0	7	228	458	-279	
	DIVISION 2 TOTAL		228	49	366						
PROJECT TOTAL			525	102	481]					

- CUT

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL - SALVAGED/UNUSABLE PAVEMENT MATERIAL

THIS DOES NOT SHOW UP IN CROSS SECTIONS

- FILL

DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
[(CUT) - (FILL*FILL FACTOR) - SALVAGED/UNUSABLE PAVEMENT MATERIAL)] - MASS ORDINATE

PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

5958-00-72 Ε PROJECT NO: HWY: CTH G COUNTY: IOWA EARTHWORK DATA SHEET

G:\00-PROJECT FILES\2023\23103 5958-00-02, CTH G, BRIDGE REHAB, IOWA COUNTY\0-CAD\SHEETS\090101_EW.DWG LAYOUT NAME - 090101_ew

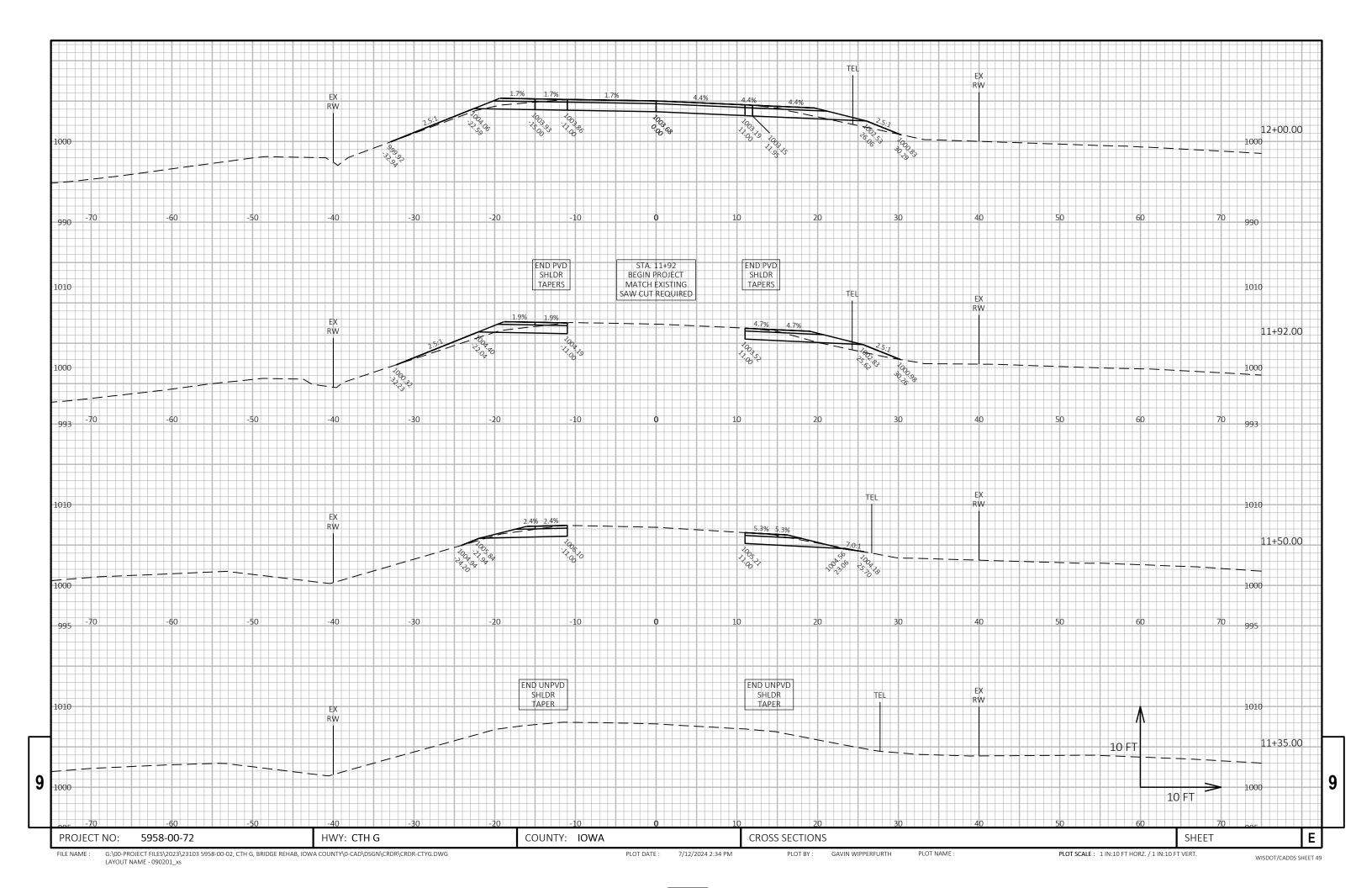
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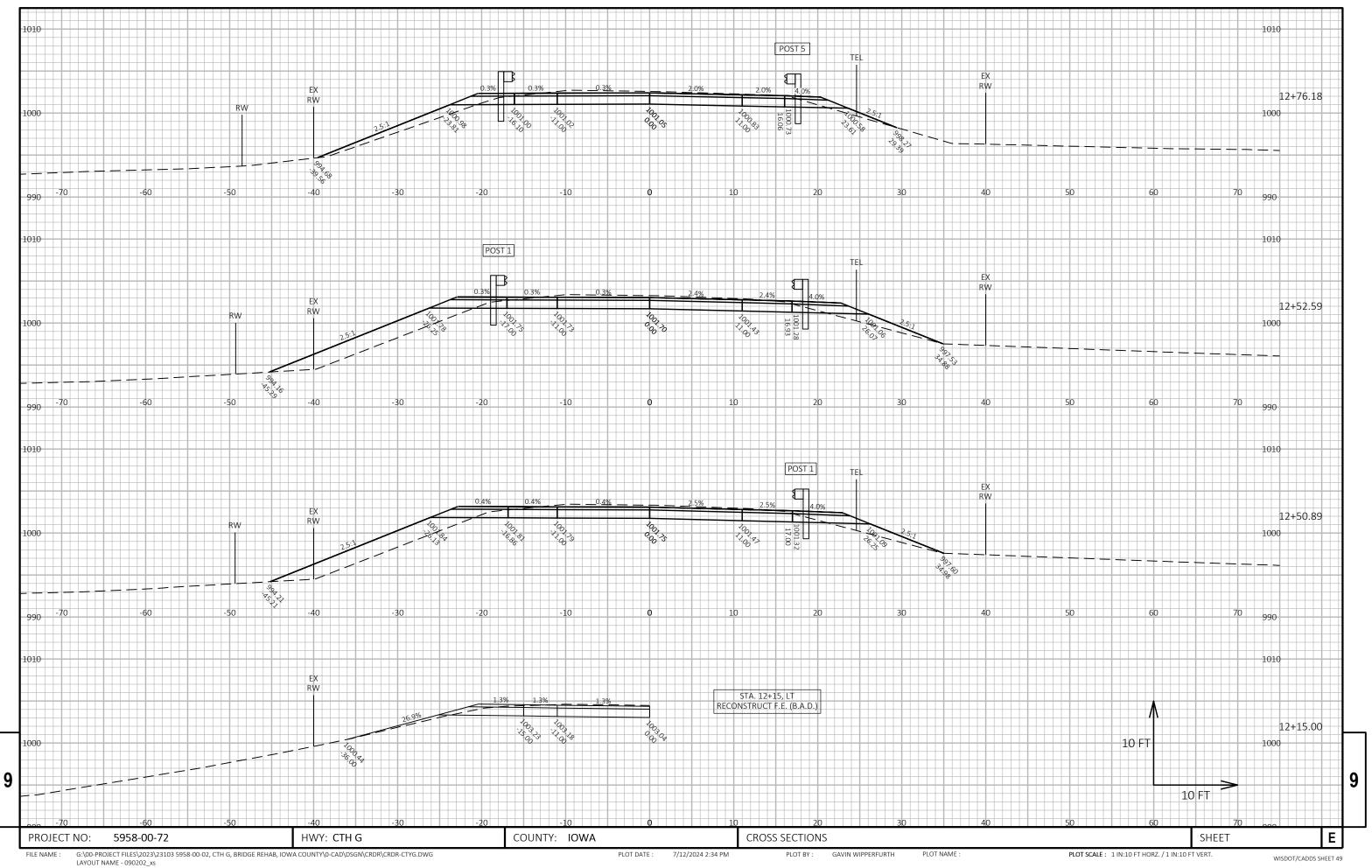
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PLOT NAME :

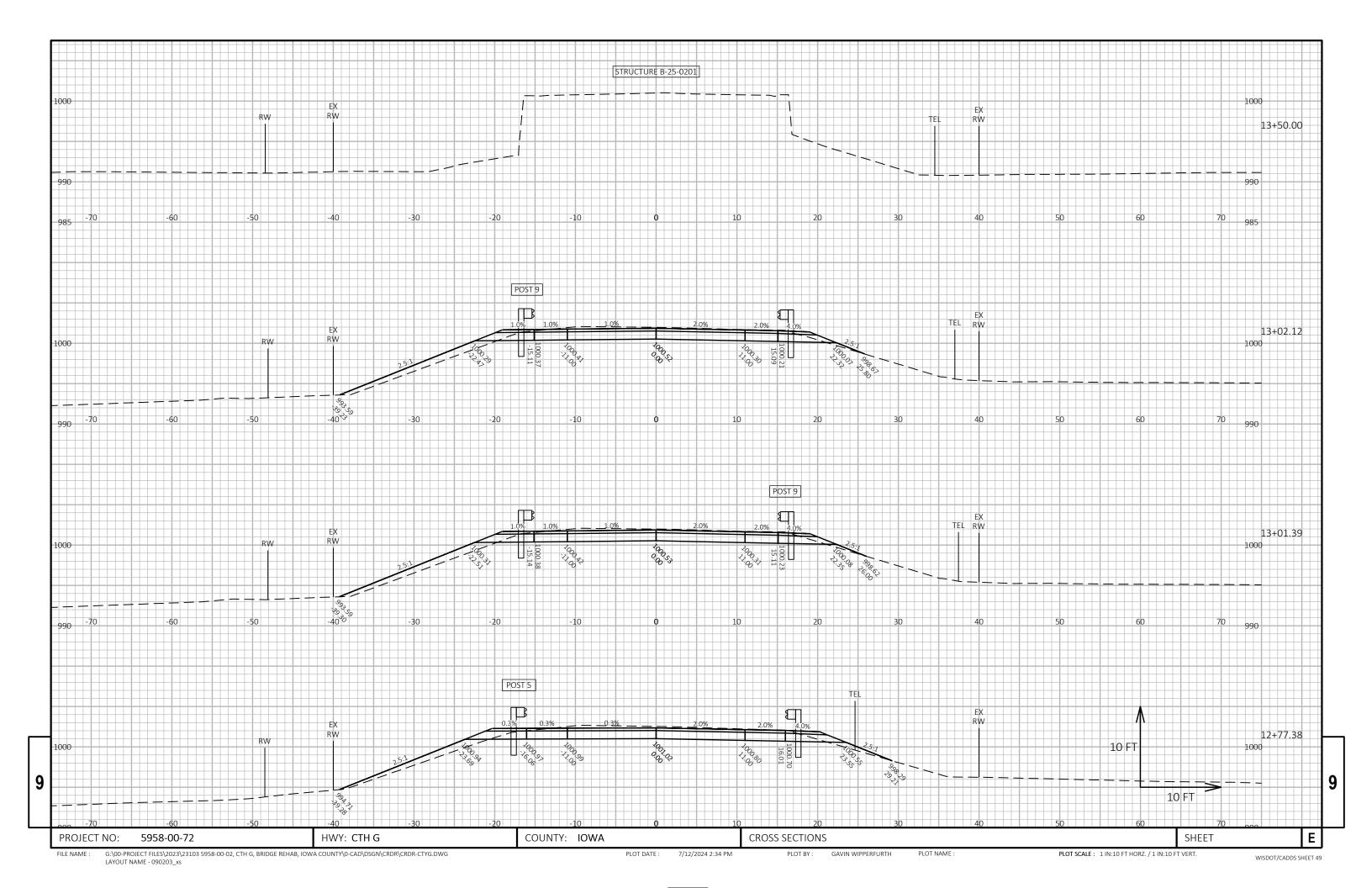
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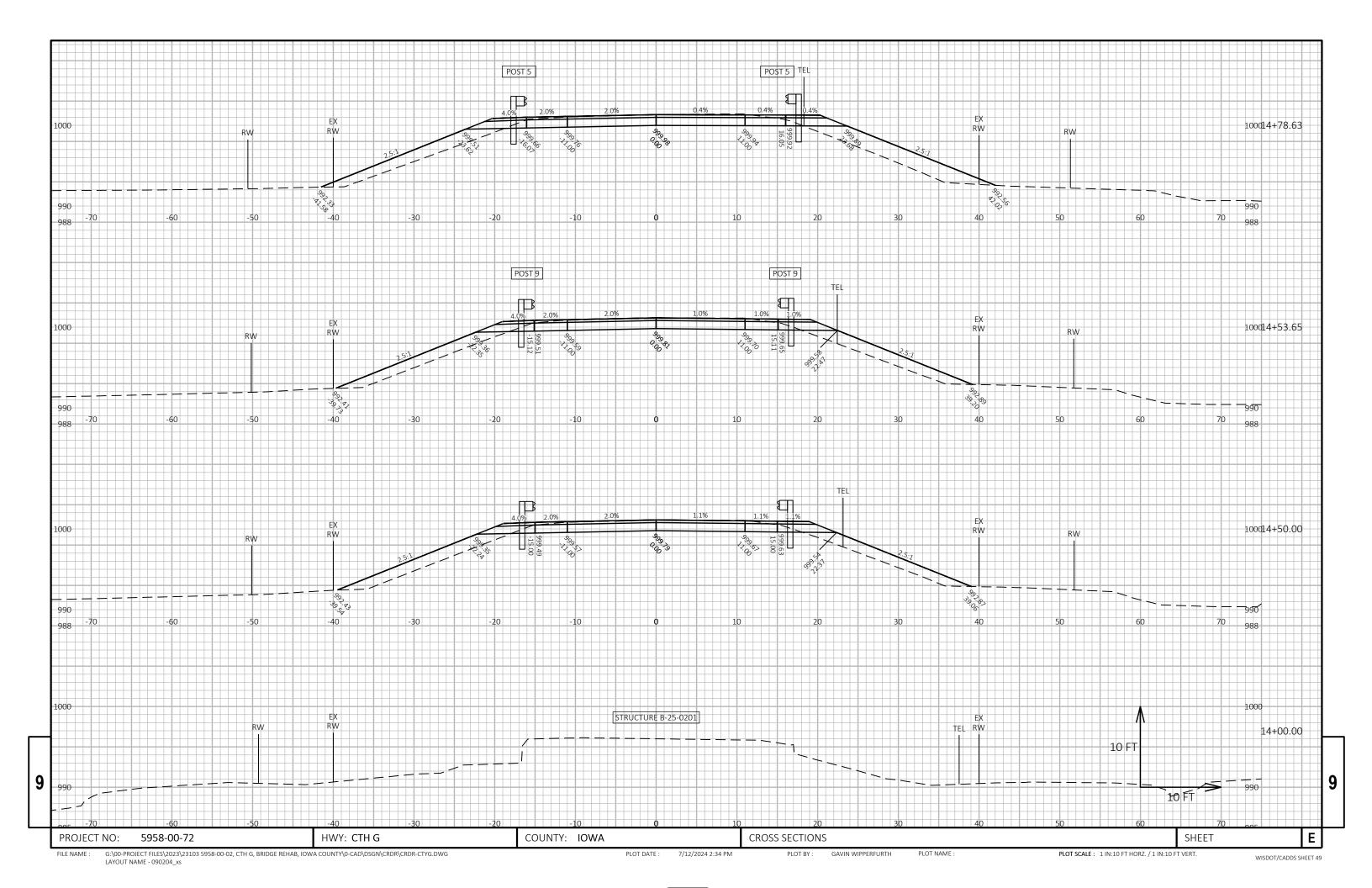
WISDOT/CADDS SHEET 49

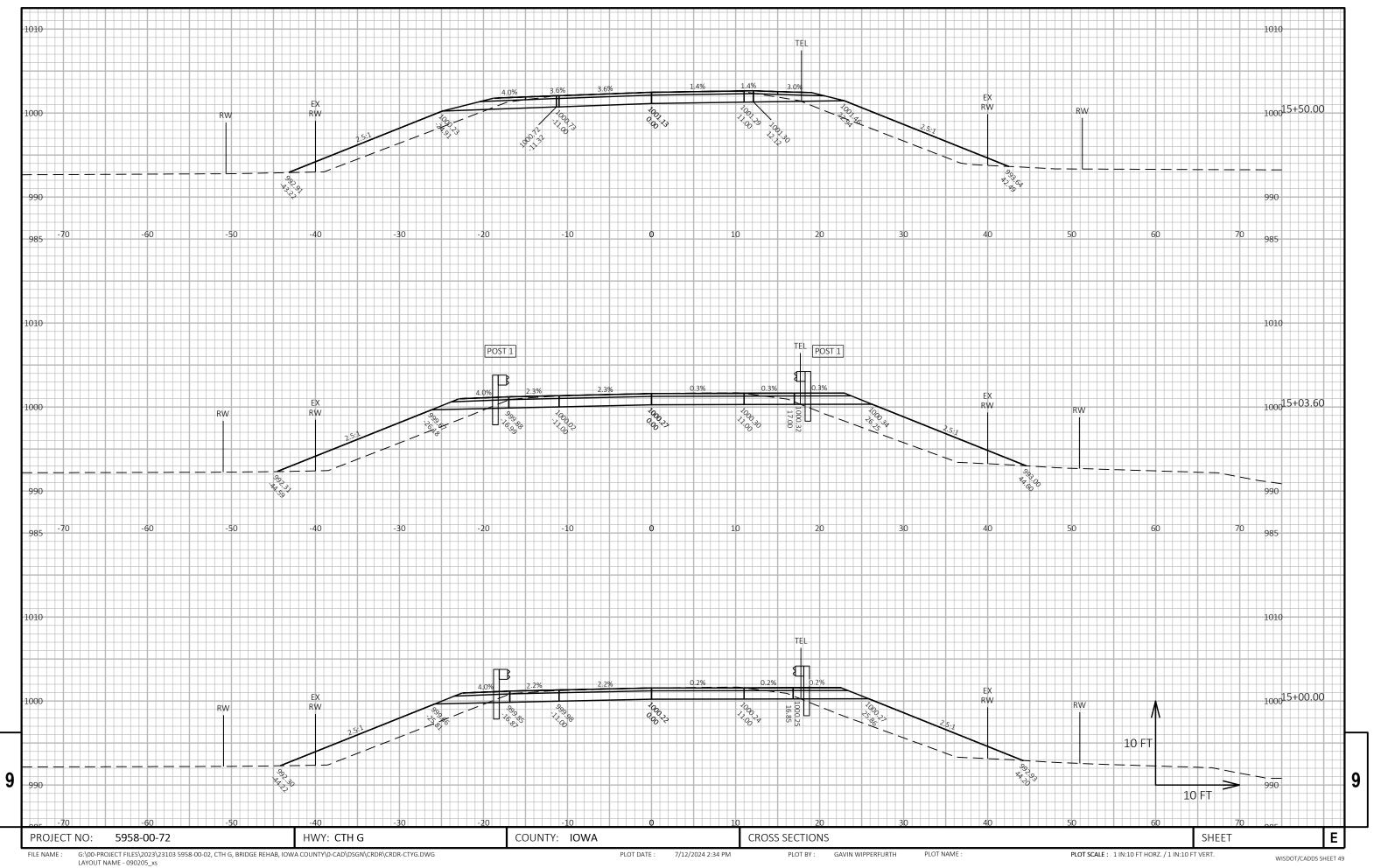




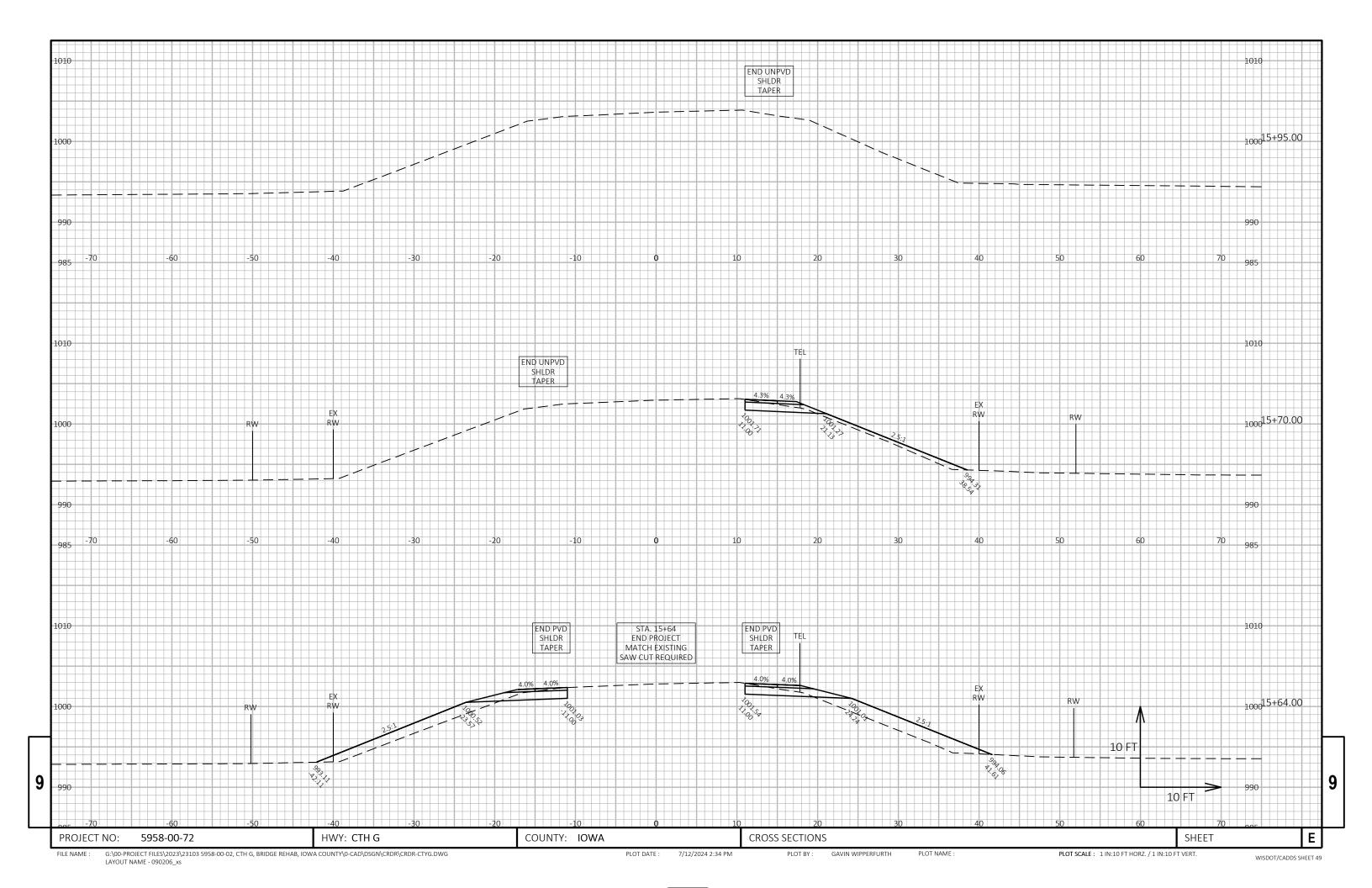
LATOUT NAIME - 090202_xs







LATOUT INAINE - U90205_Xs



Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov