APRIL 2021

Section No.

Section No.

Section No.

Section No Section No Section No.

Section No.

TOTAL SHEETS =

Miscellaneous Quantitles

Standard Detail Drawings

Computer Earthwork Data

Cross Sections

74

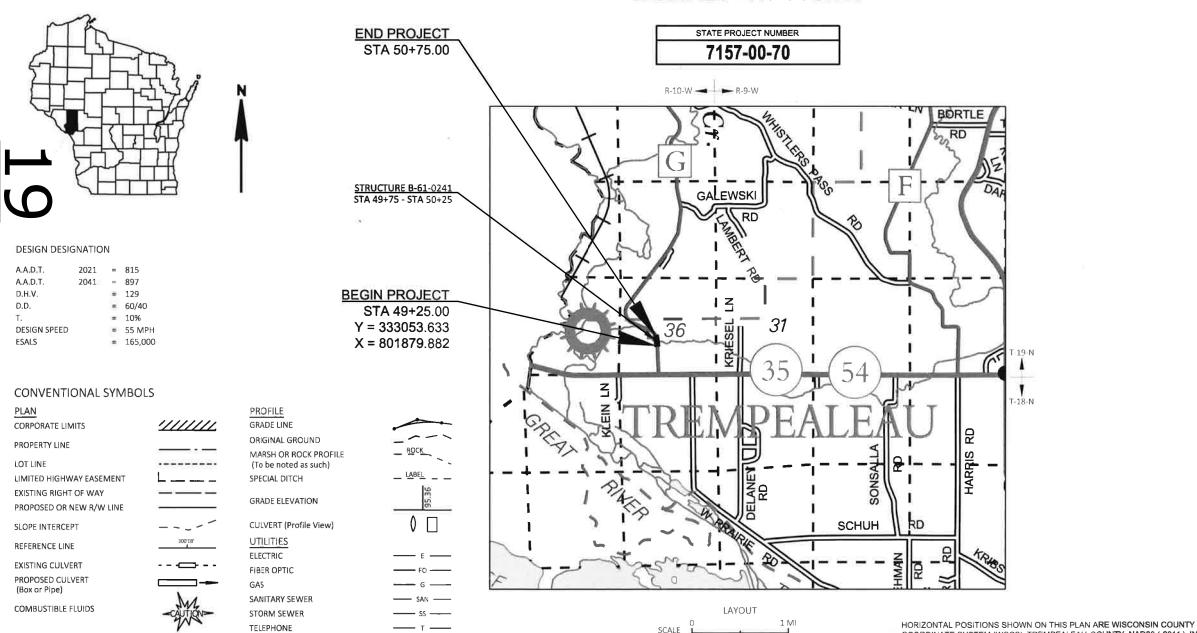
STATE OF WISCONSIN ORDER OF SHEETS Title DEPARTMENT OF TRANSPORTATION Typical Sections and Details Estimate of Quantities

PLAN OF PROPOSED IMPROVEMENT

STH 35 - STH 93

TAMARACK CREEK BRIDGE B-61-0241

CTH G TREMPEALEAU COUNTY



FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 7157-00-70

ACCEPTED FOR

TREMPEALEAU COUNTY



ORIGINAL PLANS PREPARED BY



CORONA V.
WOYCHIK
E-47688
TREMPEALEAU
WISC.
WISC.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

REPARED BY

I+S GROUP, INC. MATTHEW THORNSEN, PE

TOU YANG, PE ANDREW STENSLAND, PE

E

PPROVED FOR THE DEPARTME DATE: 10/21/2020

MARSH AREA

WOODED OR SHRUB AREA

WATER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

TOTAL NET LENGTH OF CENTERLINE = 0,028 MI

COORDINATE SYSTEM (WCCS), TREMPEALEAU COUNTY, NAD83 (2011), IN

GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012).

U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID

BEARINGS, AND GRID DISTANCES, GRID DISTANCES ARE THE SAME AS

GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE RESTORED AND E-MATTED AS DIRECTED BY THE ENGINEER.

SALVAGED TOPSOIL IS TO BE PLACED AND SPREAD TO A UNIFORM DEPTH OF 4 INCHES AT A MINIMUM.

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

LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION. THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS.

EROSION CONTROL TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND TO BE IN PLACE PRIOR TO CONSTRUCTION OR BRIDGE REMOVAL.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM (NAVD) 88 (2007).

ASPHALTIC SURFACE WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

STANDARD ABBREVIATIONS

AC	ACRE	INV	INVERT
AGG	AGGREGATE	JČT	JUNCTION
AH	AHEAD	LI	LEF1
AADT	ANNUAL AVERAGE DAILY TRAFFIC	L	LENGTH OF CURVE
ASPH	ASPHALTIC	LIN FT or LF	LINEAR FOOT
AVG	AVERAGE	LS	LUMP SUM
BK	BACK	NC	NORMAL CROWN
BAD	BASE AGGREGATE DENSE	N	NORTH
ВМ	BENCH MARK	NB	NORTHBOUND
BR	BRIDGE	NO	NUMBER
CL or C/L	CENTER LINE	PT	POINT
ĊF	COMMERCIAL ENTRANCE	PC	PÖINT ÖF CURVATURF
CONC	CONCRETE	PI	POINT OF INTERSECTION
co	COUNTY	PT	POINT OF TANGENCY
CTH	COUNTY TRUNK HIGHWAY	PCC	PORTLAND CEMENT CONCRETE
CR	CREEK	LB	POUND
CABC	CRUSHED AGGREGATE BASE COURSE	PE	PRIVATE ENTRANCE
CY or CUYD	CUBIC YARD	R	RADIUS
CULV	CULVERT	RL or R/L	REFERENCE LINE
CP	CULVERT PIPE	RT	RIGIIT
C & G	CURB AND GUTTER	R/W	RIGHT-OF-WAY
D	DEGREE OF CURVE	RD	ROAD
DIA	DIAMETER	SHLDR	SHOULDER
DISCH	DISCHARGE	SI	SLOPE INTERCEPT
E	EAST	SB	SOUTHBOUND
EB	EASTBOUND	SF or SQ FT	SQUARE FEET
EL or ELEV	ELEVATION	SY or SQ YD	SQUARE YARD
EW	ENDWALL	SDD	STANDARD DETAIL DRAWINGS
EN ⁻	ENTRANCE	STH	STATE TRUNK HIGHWAYS
EXC	EXCAVATION	SE	SUPERELEVATION
ΕX	EXISTING	T	TANGENT
FER*	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	USH	UNITED STATES HIGHWAY
FL or F/L	FLOW LINE	٧	VELOCITY OR DESIGN SPEED
FT	FOOT	VC	VERTICAL CURVE
MMA	HOT MIX ASPHALT	WB	WESTBOUND
ĊWT	HUNDREDWEIGHT	YD	YARD

ORDER OF PLAN SHEETS

- 1. TITLE SHEET
- GENERAL NOTES
- TYPICAL SECTIONS
- EROSION CONTROL
- DETOUR PLAN ALIGNMENT DETAIL
- **ESTIMATE OF QUANTITIES**
- MISCELLANEOUS QUANTITIES
- 9. PLAN & PROFILE
- 10. STANDARD DETAIL DRAWINGS
- 11. STRUCTURES
- 12. EARTHWORK QUANTITIES
- 13. CROSS SECTIONS

RAILROAD COORDINATOR

WISDOT REGIONAL RAIL COORDINATOR ANNA DAVEY 1701 N 4TH STREET SUPERIOR, WI 54880 PHONE: (715) 392-7960 EMAIL: ANNA.DAVEY@DOT.WI.GOV

PHONE: (715) 836-6571 EMAIL: AMY.LESIK@WISCONSIN.GOV

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES AMY LESIK 1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701

DESIGN CONTACTS

I&S GROUP, INC

CONSULTANT PROJECT MANAGER ASHLEY NELSON, PE 115 PINE STREET, SUITE 300

GREEN BAY, WI 54301 PHONE: (920) 434-2128 (OFFICE) EMAIL: ASHLEY.NELSON@ISGINC.COM DESIGNER CORONA WOYCHIK, PE 201 MAIN STREET, SUITE 1020 LA CROSSE, WI 54601

PHONE: (608) 789-2034 (OFFICE) EMAIL: CORONA.WOYCHIK@ISGINC.COM TREMPEALEAU COUNTY, HIGHWAY COMMISSIONER AL RINKA PO BOX 97 WHITEHALL, WI 54773

PHONE: (715) 538-9402 (OFFICE) EMAIL: AL.RINKA@CO.TREMPEALEAU.WI.US WISDOT PROJECT MANAGER MATTHEW THORNSEN, PE 718 W CLAIREMONT AVE. EAU CLAIRE, WI 54701 PHONE: (715) 225-4159

EMAIL: MATTHEW.THORNSEN@DOT.WI.GOV

UTILITY CONTACTS

I&S GROUP, INC

COMMUNICATIONS

CENTURYLINK TOM MURRAY 333 N FRONT STREET LA CROSSE, WI 54601

PHONE: (608) 615-4169 (OFFICE) EMAIL: TOM.L.MURRAY@CENTURYLINK.COM

ELECTRIC

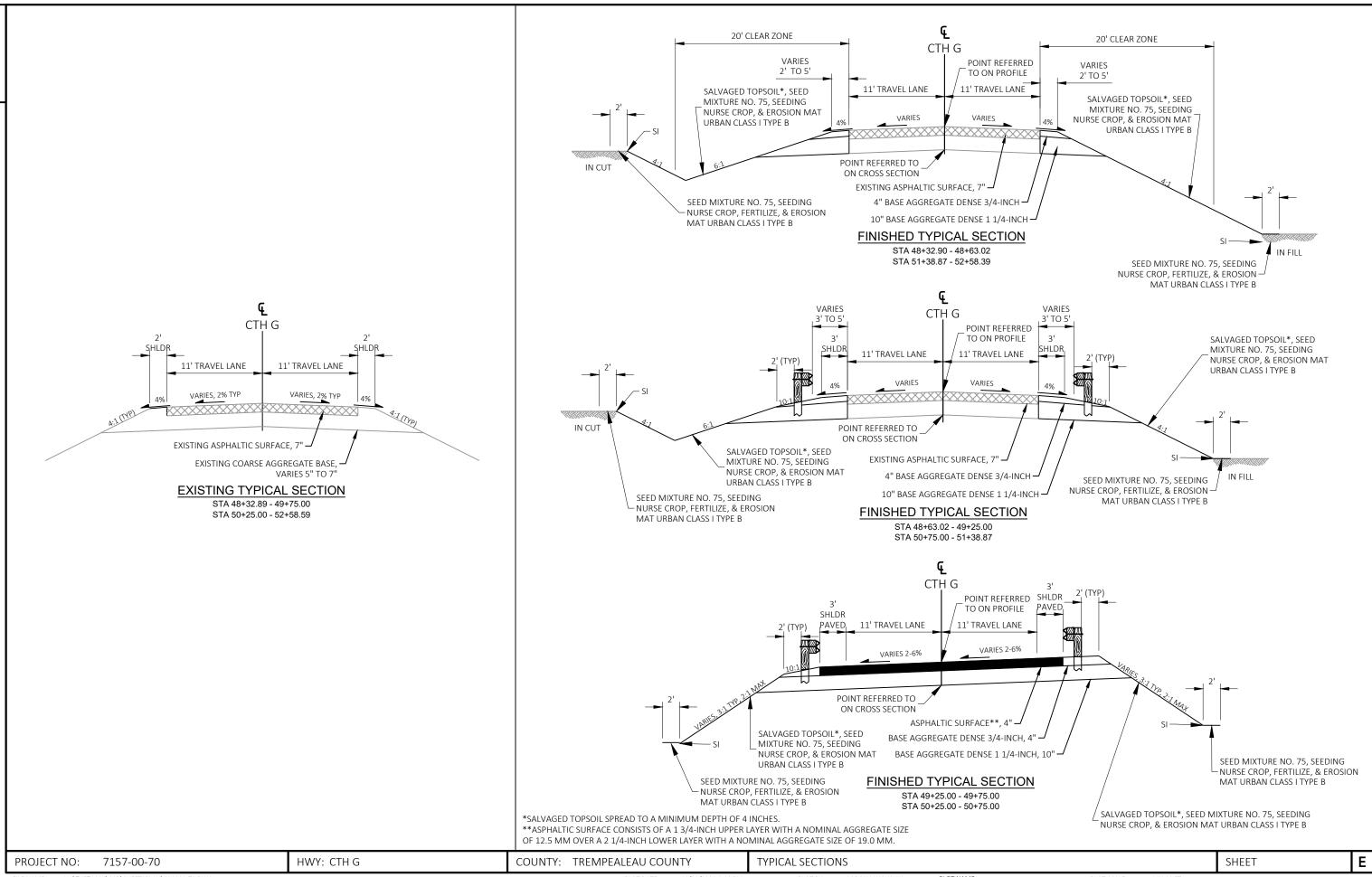
RIVERLAND ENERGY COOPERATIVE ROB SOSALLA PO BOX 277 ARCADIA, WI 54612 PHONE: (608) 323-3381 (OFFICE BEFORE 4PM) EMAIL: RSOSALLA@RIVERLANDENERGY.COM



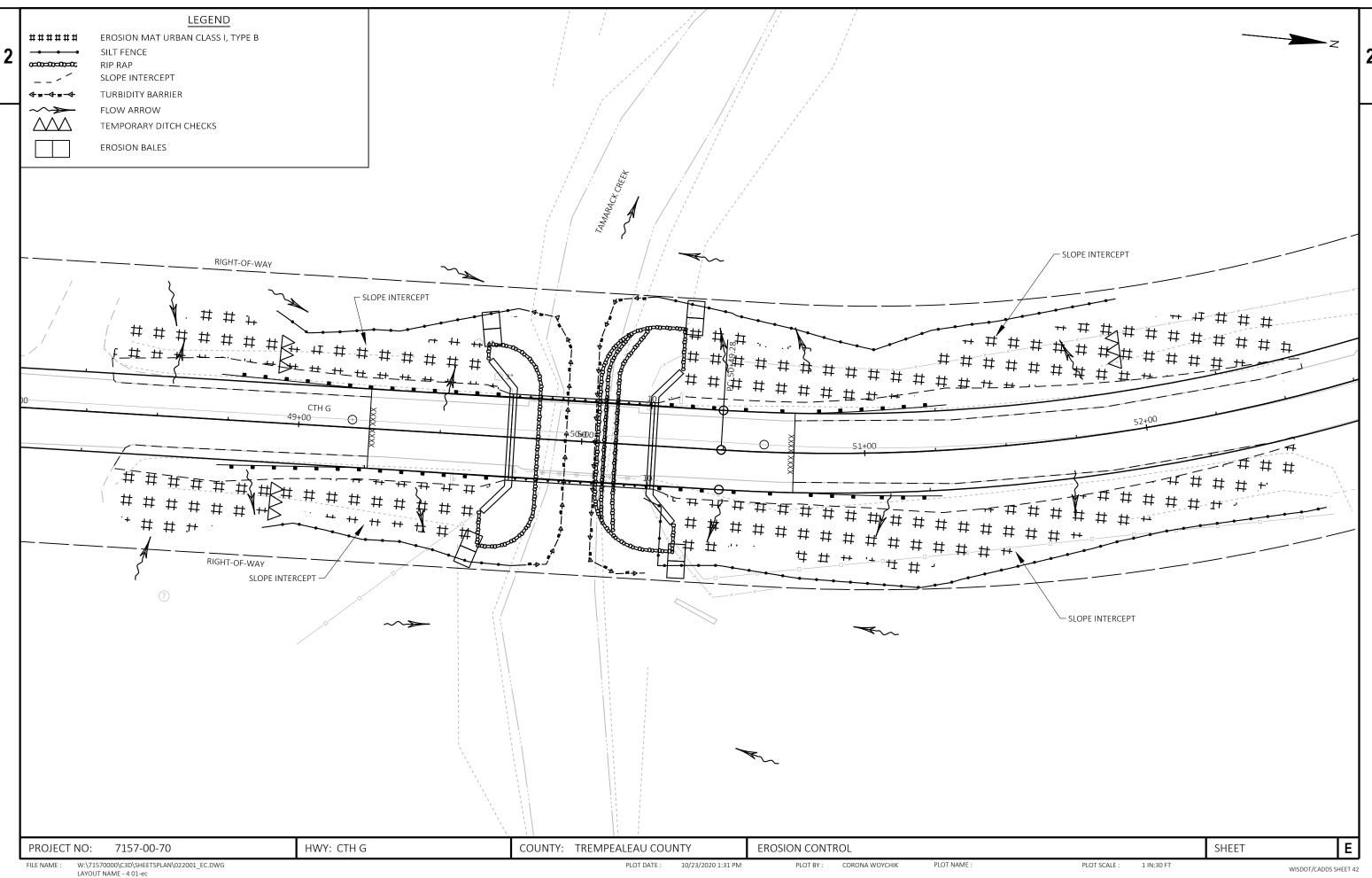
		HYDROLOGIC SOIL GROUP										
		Α		В			С			D		
	SLOPE	RANGE (PERCENT)	SLOPE	RANGE (PERCENT)	SLOPE	E RANGE (PERCENT)	SLOPE	RANGE (PERCENT)
LAND USE:	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	. 24	.33	.19	.28	. 38
	.22	. 30	.38	.26	. 34	. 44	.30	. 37	.50	.34	.41	. 56
MEDIAN STRIP-	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
TURF	.24	.26	.30	.25	.28	. 33	.26	. 30	. 37	.27	.32	. 40
SIDE SLOPE-			.25			.27			.28			. 30
TURF			.32			. 34			.36			. 38
PAVEMENT:												
ASPHALT						.70 -	95					
CONCRETE						.80 -	95					
BRICK						.70	80					
DRIVES, WALKS						.75	85					
ROOFS						.75	95					
GRAVEL ROADS,	SHOULD	ERS				.40	60					
TOTAL PROJECT	AREA =	0.81 ACR	ES									
TOTAL EXPECTED	DISTU	RBED AREA	= 0.65 A	CRES								

PROJECT NO: 7157-00-70 HWY: CTH G COUNTY: TREMPEALEAU COUNTY **GENERAL NOTES** SHEET Ε PLOT DATE : FILE NAME : W:\71570000\C3D\SHEETSPLAN\020101-GN.DWG 10/23/2020 11:26 AM PLOT BY: CORONA WOYCHIK PLOT NAME PLOT SCALE : ###########

INLET

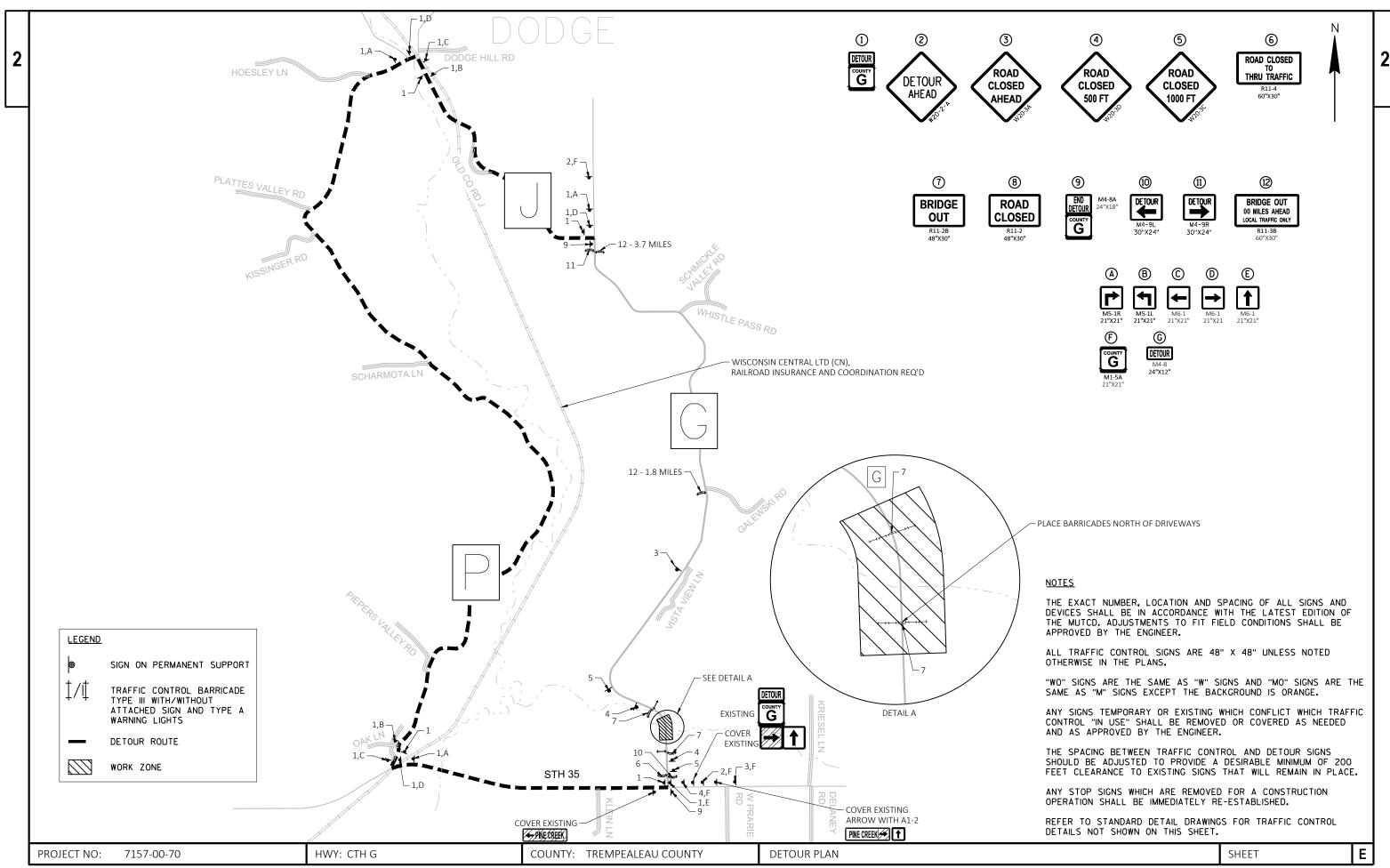


FILE NAME: W:\71570000\C3D\SHEETSPLAN\020301-TS.DWG PLOT DATE: 10/23/2020 1:10 PM PLOT BY: CORONA WOYCHIK PLOT NAME: PLOT SCALE: 1 IN:10 FT WISDOT/CADDS SHEET 42

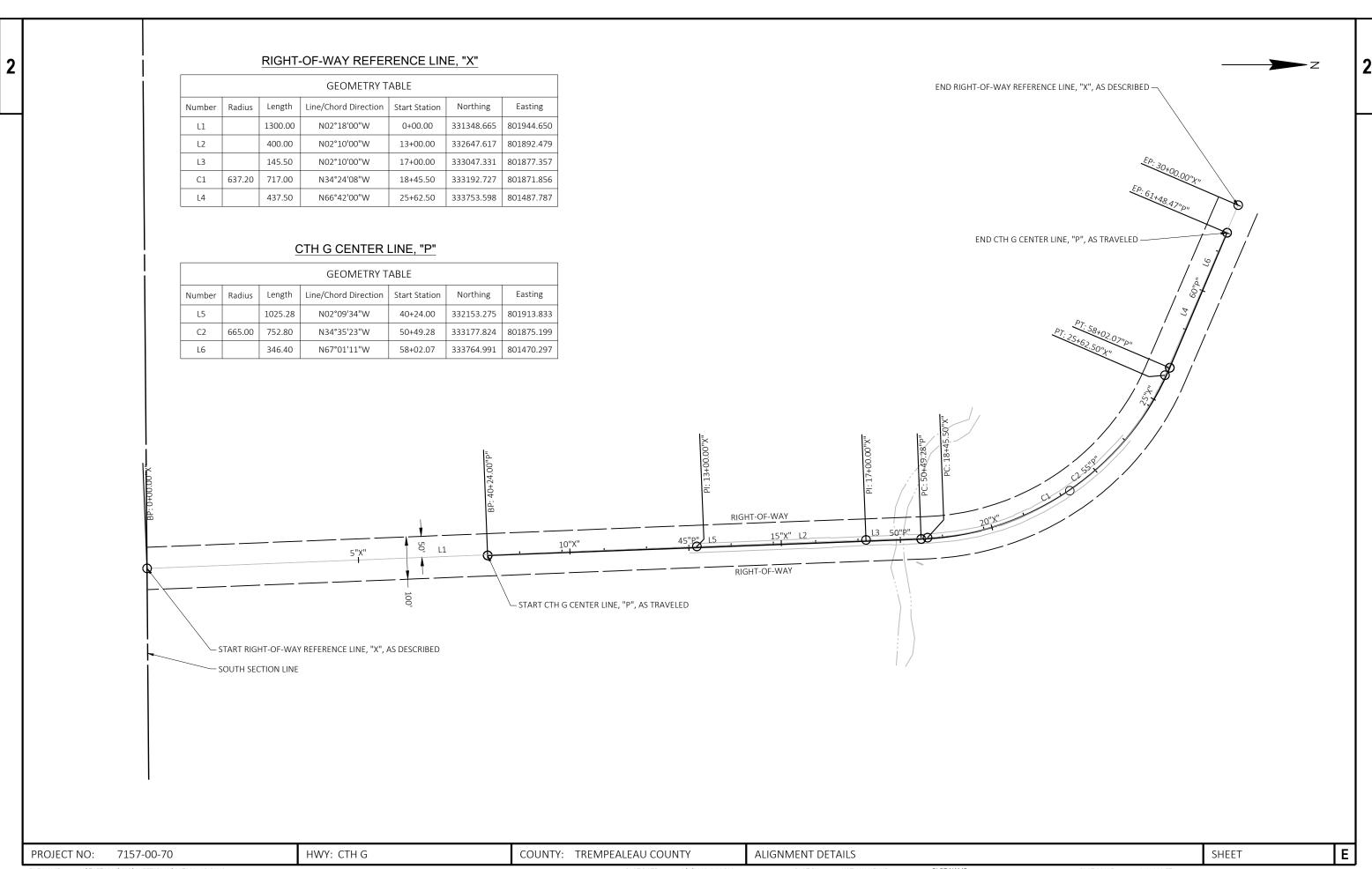


1 IN:30 FT

WISDOT/CADDS SHEET 42



FILE NAME: W:\71570000\C3D\SHEETSPLAN\027001-DT.DWG PLOT DATE: 10/23/2020 1:31 PM PLOT BY: CORONA WOYCHIK PLOT NAME: PLOT SCALE: NOT TO SCALE WISDOT/CADDS SHEET 42 LAYOUT NAME - 5 01-dt



FILE NAME: U:\71570000\C3D\SHEETSPLAN\027201_AD.DWG PLOT DATE: 9/1/2020 4:11 PM PLOT BY: NATHAN HENKE PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42 AYOUT NAME - 6 01-ad

					7157-00-70
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	1.000	1.000
0004	201.0205	Grubbing	STA	1.000	1.000
0006	203.0500.S	-	LS	1.000	1.000
8000	205.0100	Excavation Common	CY	384.000	384.000
0010	206.1000	Excavation for Structures Bridges (structure) 01. B-61-241	LS	1.000	1.000
0012	210.1500	Backfill Structure Type A	TON	550.000	550.000
0014	213.0100	Finishing Roadway (project) 01. 7157-00-70	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	108.000	108.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	589.000	589.000
0020	455.0605	Tack Coat	GAL	22.000	22.000
0022	465.0105	Asphaltic Surface	TON	70.000	70.000
0024	502.0100	Concrete Masonry Bridges	CY	256.000	256.000
0026	502.3200	Protective Surface Treatment	SY	261.000	261.000
0028	505.0400	Bar Steel Reinforcement HS Structures	LB	5,120.000	5,120.000
0030	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	26,049.000	26,049.000
0032	513.7051	Railing Steel Type W	LF	100.000	100.000
0034	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000
0036	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	974.000	974.000
0038	606.0300	Riprap Heavy	CY	204.000	204.000
0040	606.0600	Grouted Riprap Medium	CY	28.000	28.000
0040	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	194.000	194.000
0042	614.2300	MGS Guardrail 3	LF	50.000	50.000
0044	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. 7157-00-70	EACH	1.000	1.000
0052	619.1000	Mobilization	EACH	1.000	1.000
0052	624.0100	Water	MGAL	7.000	7.000
0054	625.0500	Salvaged Topsoil	SY	1,660.000	1,660.000
0058	628.1104	Erosion Bales	EACH	52.000	52.000
0060	628.1504	Silt Fence	LF	738.000	738.000
0062	628.1520	Silt Fence Maintenance	LF	738.000	738.000
0064	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0066	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0068	628.2008	Erosion Mat Urban Class I Type B	SY	1,660.000	1,660.000
0070	628.6005	Turbidity Barriers	SY	192.000	192.000
0072	628.7504	Temporary Ditch Checks	LF	16.000	16.000
0074	629.0210	Fertilizer Type B	CWT	0.830	0.830

Estimate Of Quantities

Page 2

Estimate Of Quantities

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Item	Item Description	Unit	Total	Qty
630.0175	Seeding Mixture No. 75	LB	10.000	10.000
630.0200	Seeding Temporary	LB	39.000	39.000
630.0400	Seeding Nurse Crop	LB	12.000	12.000
630.0500	Seed Water	MGAL	33.000	33.000
634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
637.2230	Signs Type II Reflective F	SF	12.000	12.000
638.2602	Removing Signs Type II	EACH	6.000	6.000
638.3000	Removing Small Sign Supports	EACH	6.000	6.000
642.5001	Field Office Type B	EACH	1.000	1.000
645.0111	Geotextile Type DF Schedule A	SY	88.000	88.000
645.0120	Geotextile Type HR	SY	138.000	138.000
646.1020	Marking Line Epoxy 4-Inch	LF	600.000	600.000
650.4500	Construction Staking Subgrade	LF	375.000	375.000
650.5000	Construction Staking Base	LF	375.000	375.000
650.6500	Construction Staking Structure Layout (structure) 01. B-61-241	LS	1.000	1.000
650.9910	Construction Staking Supplemental Control (project) 01. 7157-00-70	LS	1.000	1.000
650.9920	Construction Staking Slope Stakes	LF	375.000	375.000
690.0150	Sawing Asphalt	LF	44.000	44.000
715.0502	Incentive Strength Concrete Structures	DOL	1,536.000	1,536.000
SPV.0090	Special 01. Flashing Stainless Steel	LF	105.000	105.000
SPV.0105	Special 01. Traffic Control (7157-00-70)	LS	1.000	1.000
	630.0175 630.0200 630.0400 630.0500 634.0612 637.2230 638.2602 638.3000 642.5001 645.0111 645.0120 646.1020 650.4500 650.5000 650.6500 650.9910 650.9920 690.0150 715.0502 SPV.0090	630.0175 Seeding Mixture No. 75 630.0200 Seeding Temporary 630.0400 Seeding Nurse Crop 630.0500 Seed Water 634.0612 Posts Wood 4x6-Inch X 12-FT 637.2230 Signs Type II Reflective F 638.2602 Removing Signs Type II 638.3000 Removing Small Sign Supports 642.5001 Field Office Type B 645.0111 Geotextile Type DF Schedule A 645.0120 Geotextile Type HR 646.1020 Marking Line Epoxy 4-Inch 650.4500 Construction Staking Subgrade 650.5000 Construction Staking Structure Layout (structure) 01. B-61-241 650.9910 Construction Staking Supplemental Control (project) 01. 7157-00-70 650.9920 Construction Staking Slope Stakes 690.0150 Sawing Asphalt 715.0502 Incentive Strength Concrete Structures SPV.0090 Special 01. Flashing Stainless Steel	630.0175 Seeding Mixture No. 75 LB 630.0200 Seeding Temporary LB 630.0400 Seeding Nurse Crop LB 630.0500 Seed Water MGAL 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 637.2230 Signs Type II Reflective F SF 638.2602 Removing Signs Type II EACH 638.3000 Removing Small Sign Supports EACH 642.5001 Field Office Type B EACH 645.0111 Geotextile Type DF Schedule A SY 645.0120 Geotextile Type HR SY 646.1020 Marking Line Epoxy 4-Inch LF 650.4500 Construction Staking Subgrade LF 650.5000 Construction Staking Supplemental Control (project) 01. B- 61-241 LS 650.9910 Construction Staking Supplemental Control (project) 01. LS T157-00-70 650.9920 Construction Staking Slope Stakes LF 690.0150 Sawing Asphalt LF 715.0502 Incentive Strength Concrete Structures DOL SPV.0090 <td>630.0175 Seeding Mixture No. 75 LB 10.000 630.0200 Seeding Temporary LB 39.000 630.0400 Seeding Nurse Crop LB 12.000 630.0500 Seed Water MGAL 33.000 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 637.2230 Signs Type II Reflective F SF 12.000 638.2602 Removing Signs Type II EACH 6.000 638.3000 Removing Small Sign Supports EACH 6.000 642.5001 Field Office Type B EACH 1.000 645.0121 Geotextile Type DF Schedule A SY 88.000 645.0120 Geotextile Type HR SY 138.000 646.1020 Marking Line Epoxy 4-Inch LF 600.000 650.4500 Construction Staking Subgrade LF 375.000 650.5000 Construction Staking Subgrade LF 375.000 650.6500 Construction Staking Supplemental Control (project) 01. LS 1.000 61-241 Construction Staking Supplem</td>	630.0175 Seeding Mixture No. 75 LB 10.000 630.0200 Seeding Temporary LB 39.000 630.0400 Seeding Nurse Crop LB 12.000 630.0500 Seed Water MGAL 33.000 634.0612 Posts Wood 4x6-Inch X 12-FT EACH 4.000 637.2230 Signs Type II Reflective F SF 12.000 638.2602 Removing Signs Type II EACH 6.000 638.3000 Removing Small Sign Supports EACH 6.000 642.5001 Field Office Type B EACH 1.000 645.0121 Geotextile Type DF Schedule A SY 88.000 645.0120 Geotextile Type HR SY 138.000 646.1020 Marking Line Epoxy 4-Inch LF 600.000 650.4500 Construction Staking Subgrade LF 375.000 650.5000 Construction Staking Subgrade LF 375.000 650.6500 Construction Staking Supplemental Control (project) 01. LS 1.000 61-241 Construction Staking Supplem

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.30	MASS ORDINATE +/- (6)	WASTE (7)	208.0100 BORROW	COMMENT
DIVISION 1											
NORTH	50+24.961/52+58.39	NORTH OF B-61-0241	234	0	234	166	216	18	18	0	1
SOUTH	48+32.884/49+75	SOUTH OF B-61-0241	150	0	150	80	104	46	46	0	<u> </u>
DIVISION 1 SUBTOTAL			384	0	384	246	320	64	64	0	
GRAND TOTAL			384	0	384	246	320	64	64	0	
	TOTAL COI	MMON EXC	384			·			_	<u> </u>	

CLEARING & GRUBBING

CATEGORY STATION TO STATION

49+50 - 50+50

PROJECT TOTALS

0010

201.0105

CLEARING

STA

201.0205

GRUBBING

STA

NOTES:

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (3) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (4) AVAILABLE MATERIAL = CUT SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- (5) EXPANDED FILL FACTOR = 1.30
- (6) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
- (7) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.
- NO ROCK, MARSH, OR EBS IS ANTICIPATED.

BASE AGGREGATE DENSE

				305.0110	305.0120	624.0100
				BASE		
				AGGREGATE	BASE AGGREGATE	
				DENSE 3/4-INCH	DENSE 1 1/4-INCH	WATER
CATEGORY	STATION	TO	STATION	TON	TON	MGAL
0010	48+24	-	49+75	29	227	2.6
0010	50+25	-	52+58	79	362	4.4
		PF	ROJECT TOTALS	108	589	7.0

ASPHALT PAVING ITEMS

				455.0605	465.0105 ASPHALTIC
				TACK COAT	SURFACE
CATEGORY	STATION	TO	STATION	GAL	TON
0010	49+25	-	49+75	11	35
0010	50+25	-	50+75	11	35
		PF	ROJECT TOTALS	22	70

PROJECT NO: 7157-00-70 HWY: CTH G COUNTY: TREMPEALEAU COUNTY MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : C.V.W. PLOT NAME : PLOT SCALE : 1:1

3

GUARDRAIL ITEMS

					614.2300	614.2500 MGS THRIE	614.2610	
					MGS GUARDRAIL	BEAM	MGS GUARDRAIL	
					3	TRANSITION	TERMINAL EAT	
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	EACH	REMARKS
0010	48+63.02	-	49+68.04	RT	12.5	39.4	1	
0010	48+63.02	-	49+68.04	LT	12.5	39.4	1	
0010	50+31.96	-	51+35.12	RT	12.5	39.4	1	
0010	50+31.96	-	51+38.87	LT	12.5	39.4	1	
				PROJECT TOTALS	50.0	157.6	4	

SILT FENCE SUMMARY

					628.1504	628.1520
						SILT FENCE
					SILT FENCE	MAINTENANCE
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF
0010	48+90	-	49+75	LT	89	89
0010	48+89	-	49+78	RT	90	90
0010	50+24	-	51+96	LT	166	166
0010	50+25	-	52+55	RT	245	245
0010				UNDISTRIBUTED	148	148
				PROJECT TOTALS	738	738

EROSION MAT URBAN CLASS I TYPE B

CATEGORY	STATION	TO	STATION	LOCATION	628.2008 SY
					_
0010	48+33	-	49+66	LT	226
0010	48+35	-	49+66	RT	236
0010	50+34	-	52+58	LT	448
0010	50+34	-	52+50	RT	418
0010				UNDISTRIBUTED	332
				PROJECT TOTALS	1,660

PROJECT NO: 7157-00-70 HWY: CTH G COUNTY: TREMPEALEAU COUNTY MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : C.V.W. PLOT NAME : PLOT SCALE : 1:1

TURBIDITY BARRIERS

		628.6005	
CATEGORY	LOCATION	SY	REMARKS
0010	NORTH ABUTMENT	101	LENGTH X WIDTH = 128.58' X 7'
0010	SOUTH ABUTMENT	91	_ LENGTH X WIDTH = 115.78' X 7'
	PROJECT TOTALS	192	_

RESTORATION

					625.0500	629.0210	630.0175	630.0200	630.0400	630.0500
					SALVAGED	FERTILIZER TYPE	SEEDING	SEEDING	SEEDING NURSE	
					TOPSOIL	В	MIXTURE NO. 75	TEMPORARY	CROP	SEED WATER
CATEGORY	STATION	TO	STATION	LOCATION	SY	CWT	LB	LB	LB	MGAL
0010	48+33	-	49+66	LT	226	0.14	2	7	2	6
0010	48+35	-	49+66	RT	236	0.15	2	7	2	6
0010	50+34	-	52+58	LT	448	0.28	3	13	4	11
0010	50+34	-	52+50	RT	418	0.26	3	12	4	10
	UND	ISTRII	BUTED		332	0.21	3	9	3	8
				PROJECT TOTALS	1,660	0.83	10	39	12	33

SIGNING SUMMARY

CATEGORY	LOCATION	SIGN CODE	SIGN SIZE	634.0612 POSTS WOOD 4X6-INCH X 12- FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	10' SOUTH OF BRIDGE	-	-	-	-	1	1	EXISTING WEIGHT LIMIT SIGN
0010	SW BRIDGE CORNER	W5-52L	12"X36"	1	3.00	1	1	BRIDGE HASH MARKS (REPLACEMENT)
0010	SE BRIDGE CORNER	W5-52R	12"X36"	1	3.00	1	1	BRIDGE HASH MARKS (REPLACEMENT)
0010	NW BRIDGE CORNER	W5-52R	12"X36"	1	3.00	1	1	BRIDGE HASH MARKS (REPLACEMENT)
0010	NE BRIDGE CORNER	W5-52L	12"X36"	1	3.00	1	1	BRIDGE HASH MARKS (REPLACEMENT)
0010	10' NORTH OF BRIDGE	=	-	_	-	1	1	EXISTING WEIGHT LIMIT SIGN
		PROJ	ECT TOTALS	4	12.00	6	6	

MARKING LINE EPOXY 4-INCH

					646.1020	
CATEGORY	STATION	TO	STATION	LOCATION	LF	REMARKS
0010	49+25	-	50+75	CENTERLINE	300	DBL YELLOW CL
0010	49+25	-	50+75	EDGELINE	300	WHITE EDGE LINE
				PROJECT TOTALS	600	_

PROJECT NO: 7157-00-70 HWY: CTH G COUNTY: TREMPEALEAU COUNTY MISCELLANEOUS QUANTITIES SHEET: **E**

EROSION BALES AND DITCH CHECKS

MOBILIZATION EROSION CONTROL

		628.1905 MOBILIZATIONS EROSION CONTROL	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL	
CATEGORY	DESCRIPTION	EACH	EACH	REMARKS
0010	PROJECT	3	3	
	PROJECT TOTALS	3	3	

			628.1104 EROSION BALES	628.7504 TEMPORARY DITCH CHECKS
CATEGORY	STATION	LOCATION	EACH	LF
0010	48+91	LT	-	8
0010	48+92	RT	-	8
0010	49+59	RT	13	-
0010	49+62	LT	13	-
0010	50+33	LT	13	
0010	50+40	RT	13	-
0010	51+95	LT	-	8
0010	UNDIS	STRIBUTED	13	
		PROJECT		
		TOTALS	52	16

CONSTRUCTION STAKING

				650.4500	650.5000	650.9910.01	650.9920
				CONSTRUCTION		CONSTRUCTION STAKING	CONSTRUCTION
				STAKING	CONSTRUCTION	SUPPLEMENTAL CONTROL	STAKING SLOPE
				SUBGRADE	STAKING BASE	(PROJECT) (01. 7157-00-70)	STAKES
CATEGORY	STATION	TO	STATION	LF	LF	LS	LF
0010	48+33	-	49+25	92	92		92
0010	49+25	-	49+75	50	50		50
0010	50+25	-	50+75	50	50		50
0010	50+75	-	52+58	183	183		183
			PROJECT TOTALS	375	375	1	375

SAWING ASPHALT

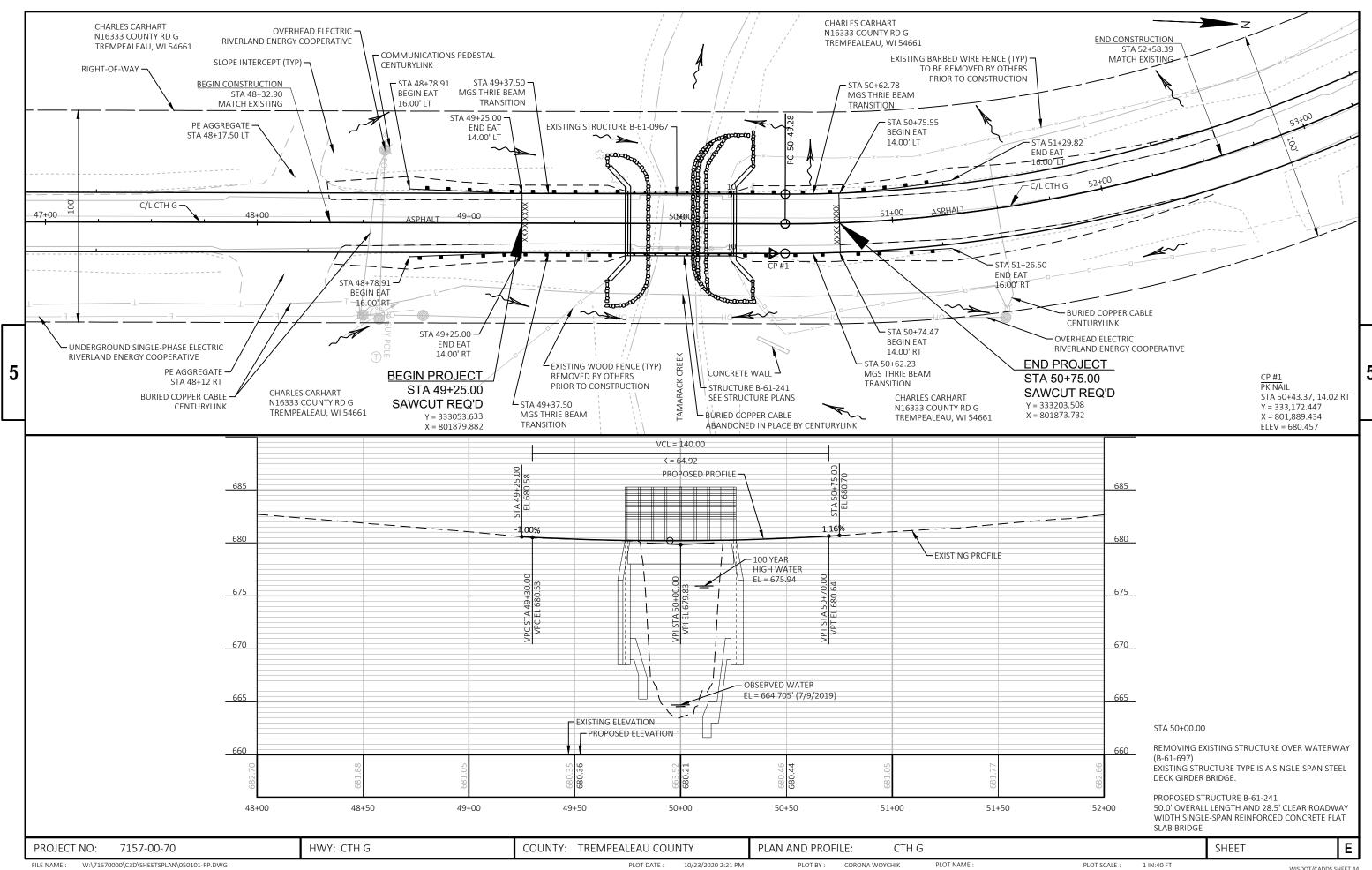
		690.0150	
CATEGORY	STATION	LF	REMARKS
0010	49+25	22	BEGIN PROJECT
0010	50+75	22	END PROJECT
	PROJECT TOTALS	44	_

TRAFFIC CONTROL (FOR CONTRACTOR REFERENCE)

										SPV.0105.01
					TRAFFI	C CONTROL			TRAFFIC CONTROL	TRAFFIC
			TRAFFIC CO	ONTROL	WARN	ING LIGHTS	TRAFFIC	CONTROL	COVERING SIGNS	CONTROL (7157-
			BARRICADES	STYPEIII	٦	YPEA	S	IGNS	TYPEII	00-70)
CATEGORY	LOCATION	DAYS	EACH	DAY	EACH	DAY	EACH	DAY	EACH	LS
0010	SOUTH SIDE OF BRIDGE	70	9	630	14	980	6	420		
0010	INT CTH G & STH 36	70		0		0	15	1050	3	
0010	INT STH 35 & CTH P	70		0		0	14	980		
0010	INT CTH P & CTH J	70		0		0	14	980		
0010	INT CTH J & CTH G	70	2	140	4	280	13	910		
0010	INT CTH G & GALEWSKI RD	70	1	70	2	140	1	70		
0010	INT CTH G & VISTA VIEW LN	70		0			1	70		
0010	NORTH SIDE OF BRIDGE	70	7	490	10	700	4	280		
0010	PROJECT									1
		PROJECT TOTALS	19	1,330	30	2,100	68	4,760	3	1

PROJECT NO: 7157-00-70 HWY: CTH G COUNTY: TREMPEALEAU COUNTY MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : C.V.W. PLOT NAME : PLOT SCALE : 1:1



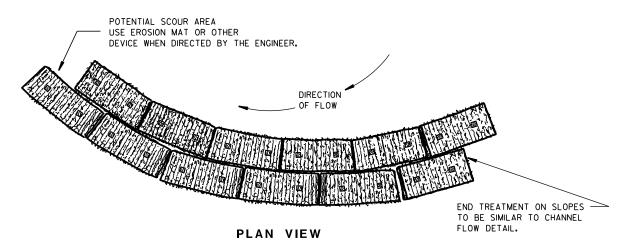
Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
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	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRI CADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-20A	LONGI TUDI NAL MARKI NG (MAI NLI NE)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

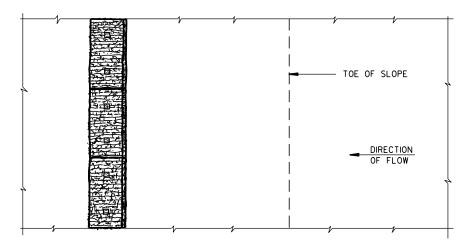
GENERAL NOTES

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

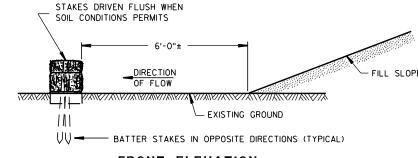
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

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

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- 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

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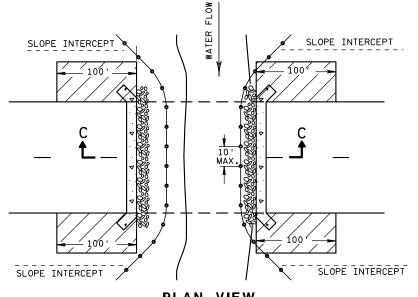
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GENERAL NOTES

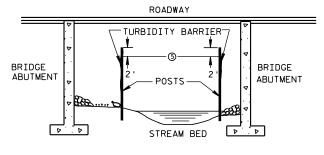
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS 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 FT., POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK 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

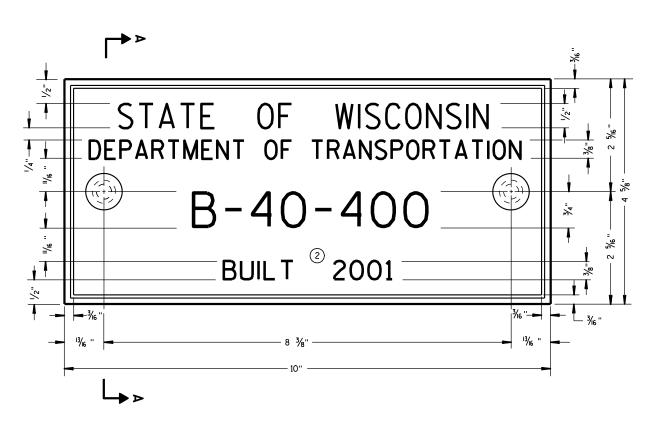
APPROVED

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

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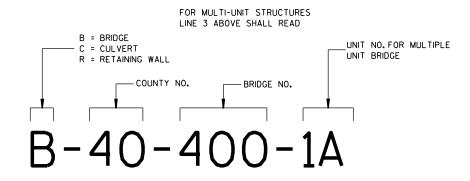
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TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



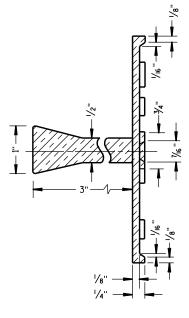
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

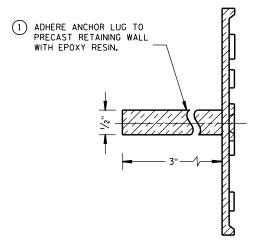
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

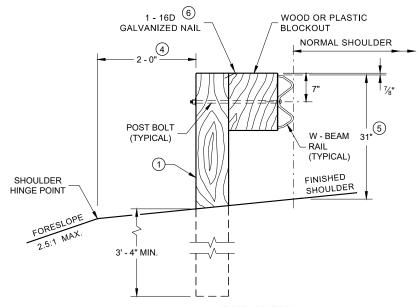
NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

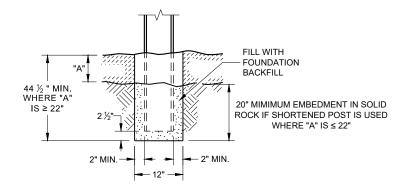
APPROVED

 D. 12 A 3-10

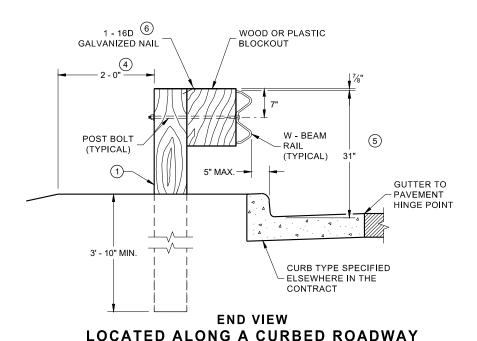
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- $\ \, \ \,$ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING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

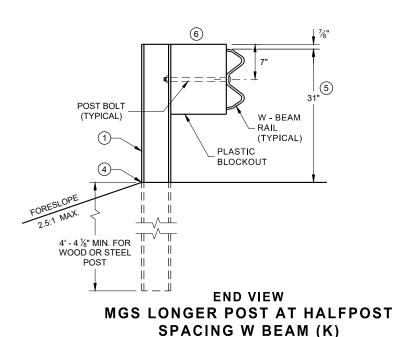


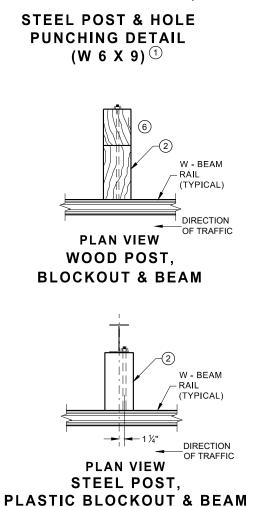
END VIEW LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION

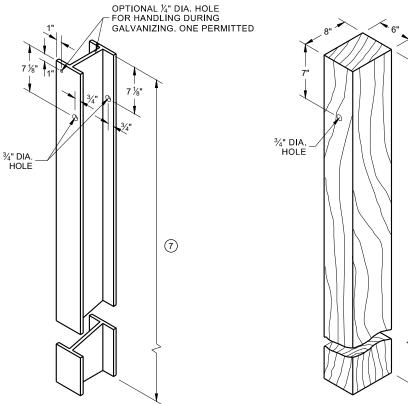


END VIEW SETTING STEEL OR WOOD POST IN ROCK

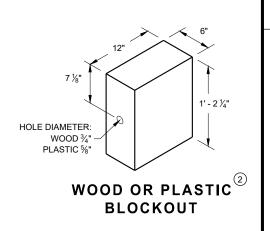








WOOD POST (6" X 8") NOMINAL



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

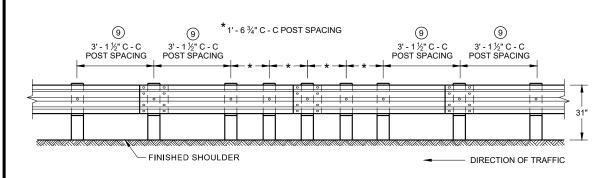
POST SPACING

DIRECTION OF TRAFFIC

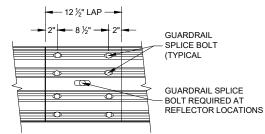
6' - 3" C -C

POST SPACING

FINISHED SHOULDER

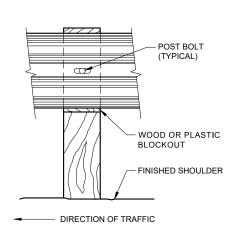


FRONT VIEW **QUARTER POST SPACING (QS)**



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

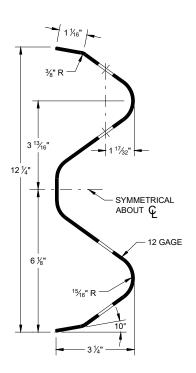
POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT

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

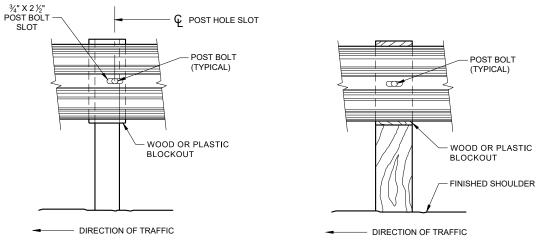
REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %"

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

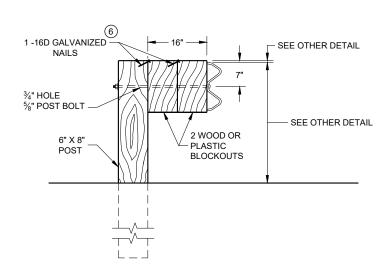
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SDD

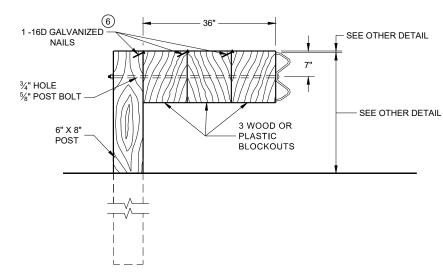
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DETAIL FOR 16" BLOCKOUT DEPTH

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.



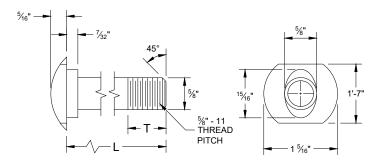
DETAIL FOR 36" BLOCKOUT DEPTH

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.

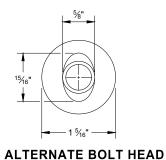
NOTE:

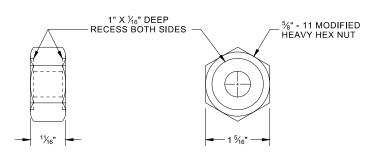
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF $\frac{3}{16}$ ".
- 2. IF THE BOLT EXTENDS MORE THAN $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



POST BOLT TABLE

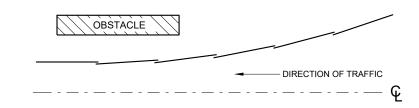
L	T (MIN.)
1 1⁄4"	1 1/4"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



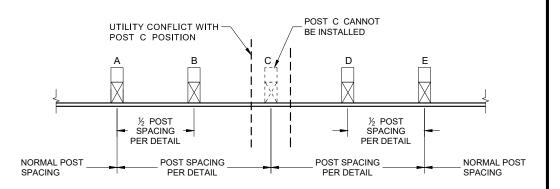


POST BOLT, SPLICE BOLT AND RECESS NUT

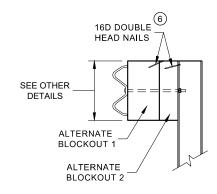
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

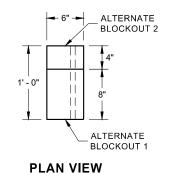


PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

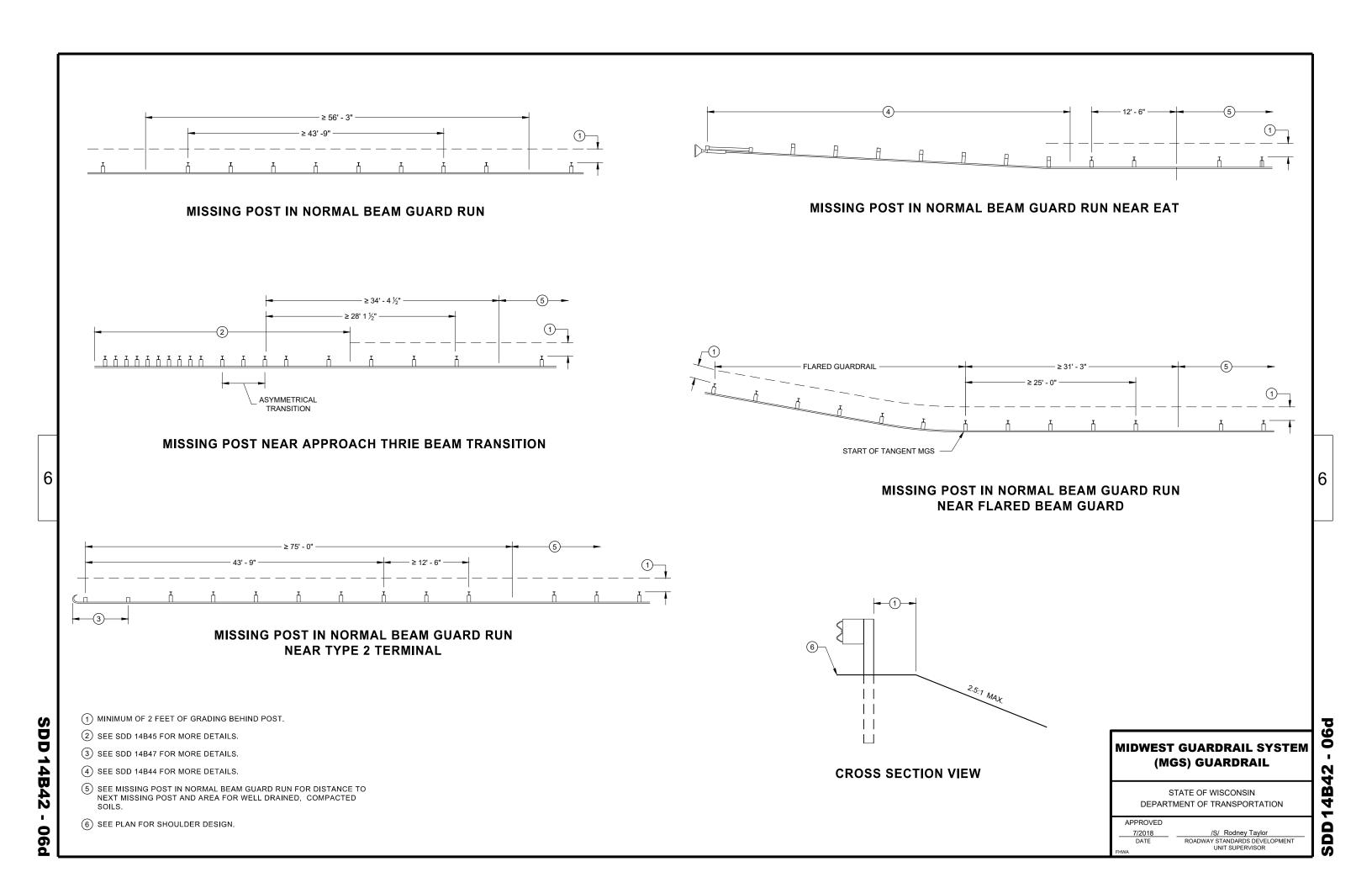
ALTERNATE WOOD BLOCKOUT DETAIL

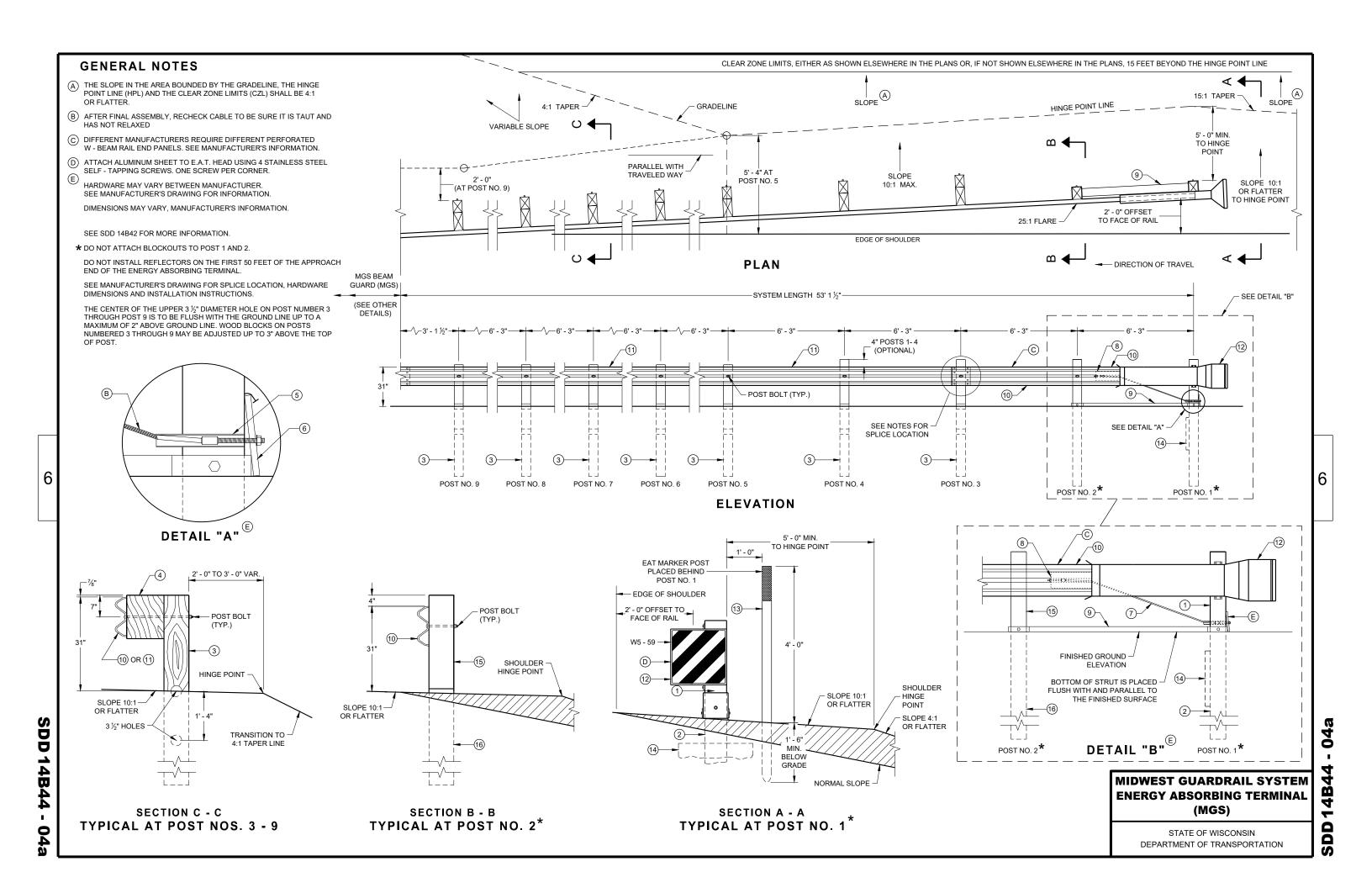
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

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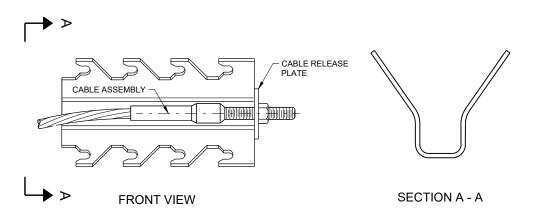
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

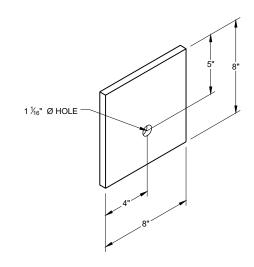




GENERIC GROUND STRUT



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



BEARING PLATE

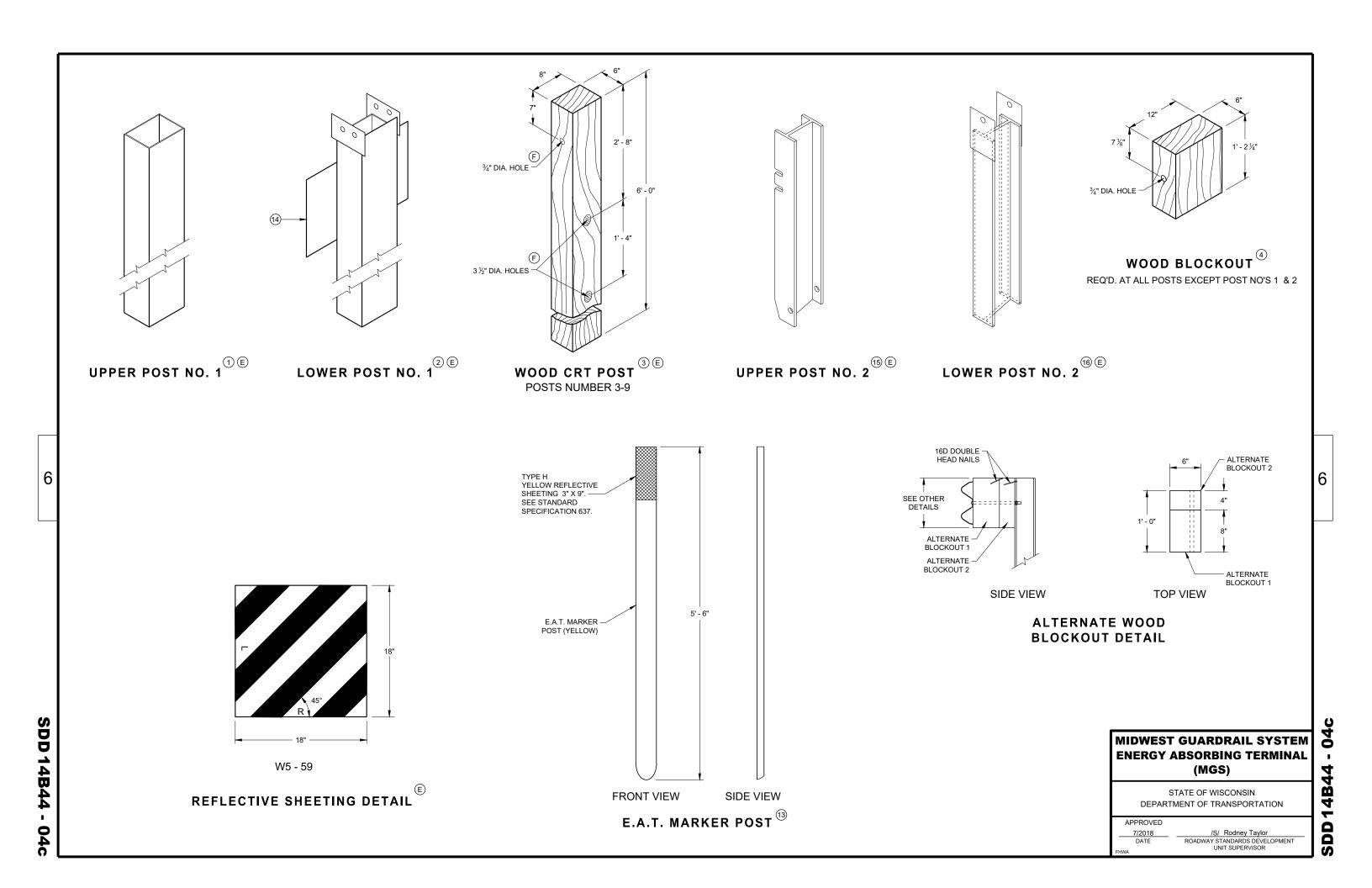
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

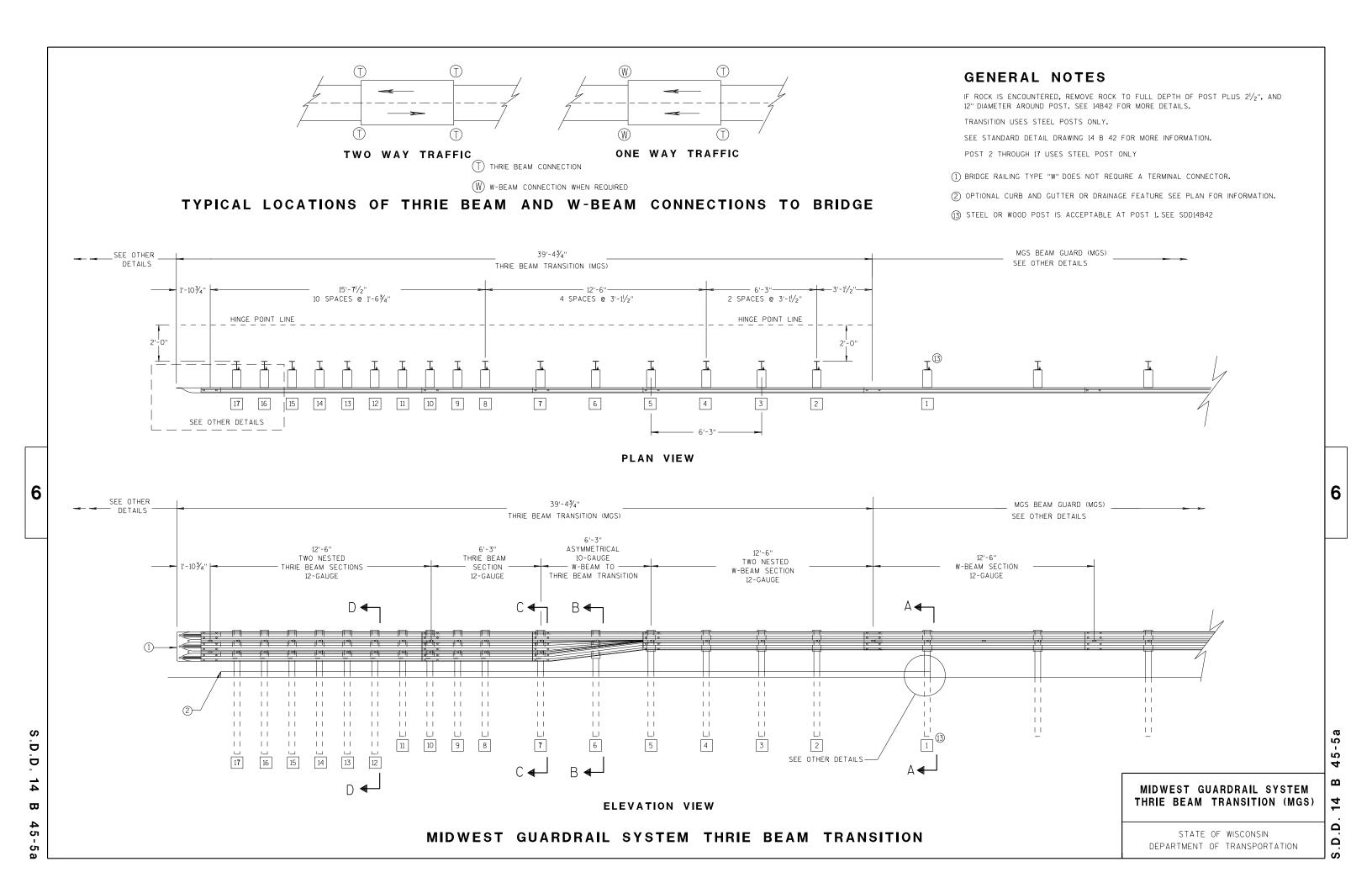
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

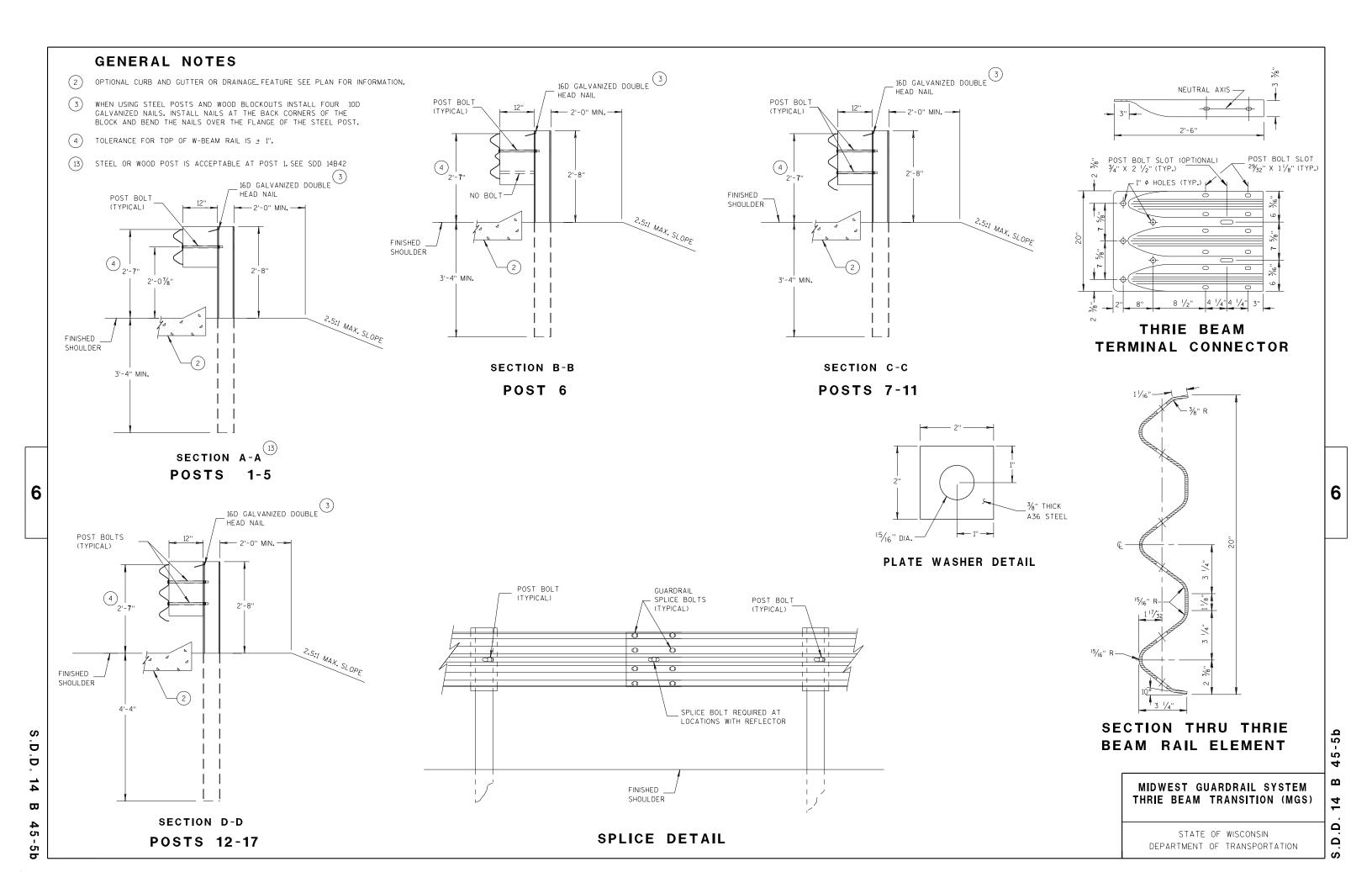
6

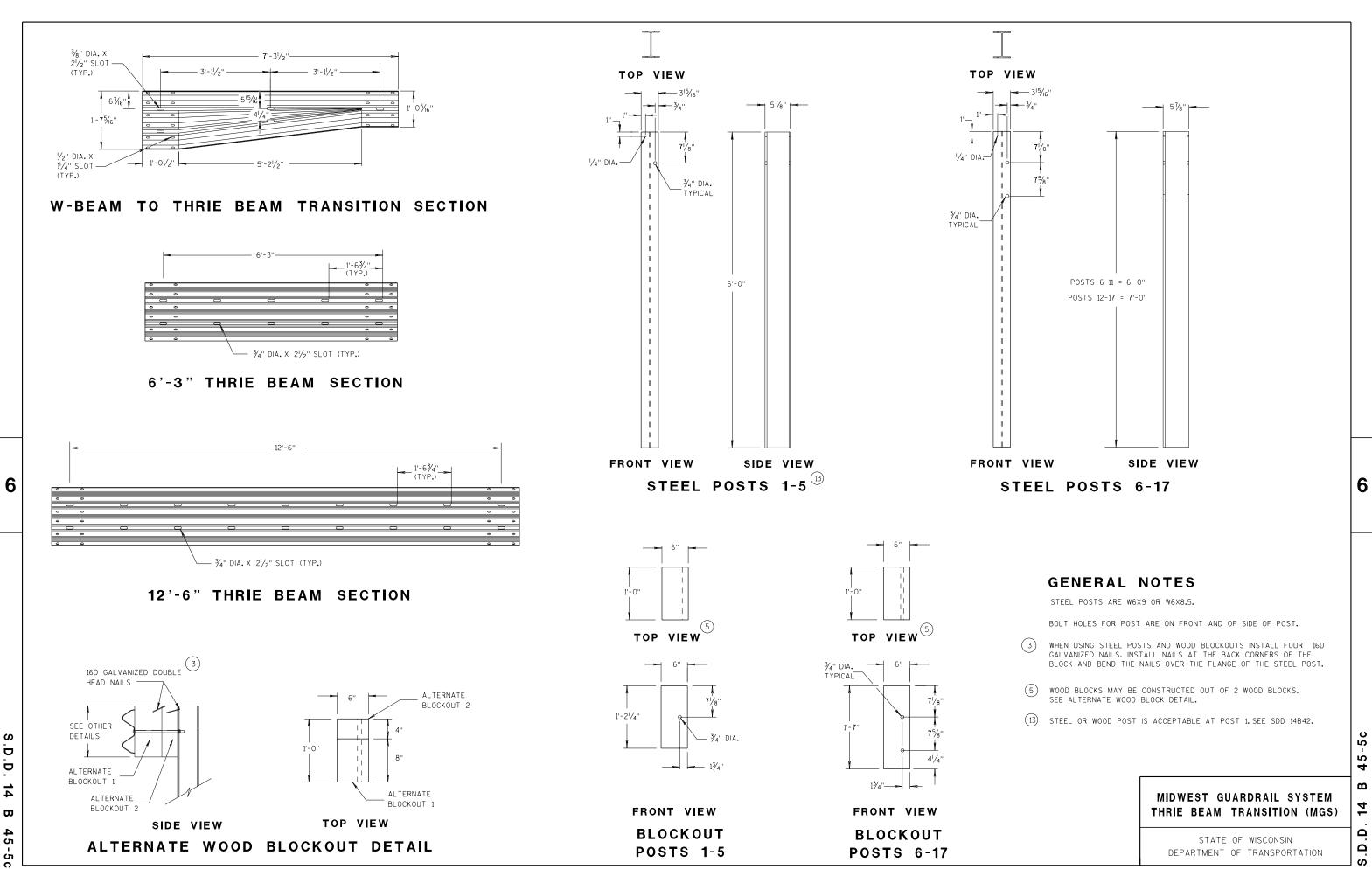
SDD 14B44

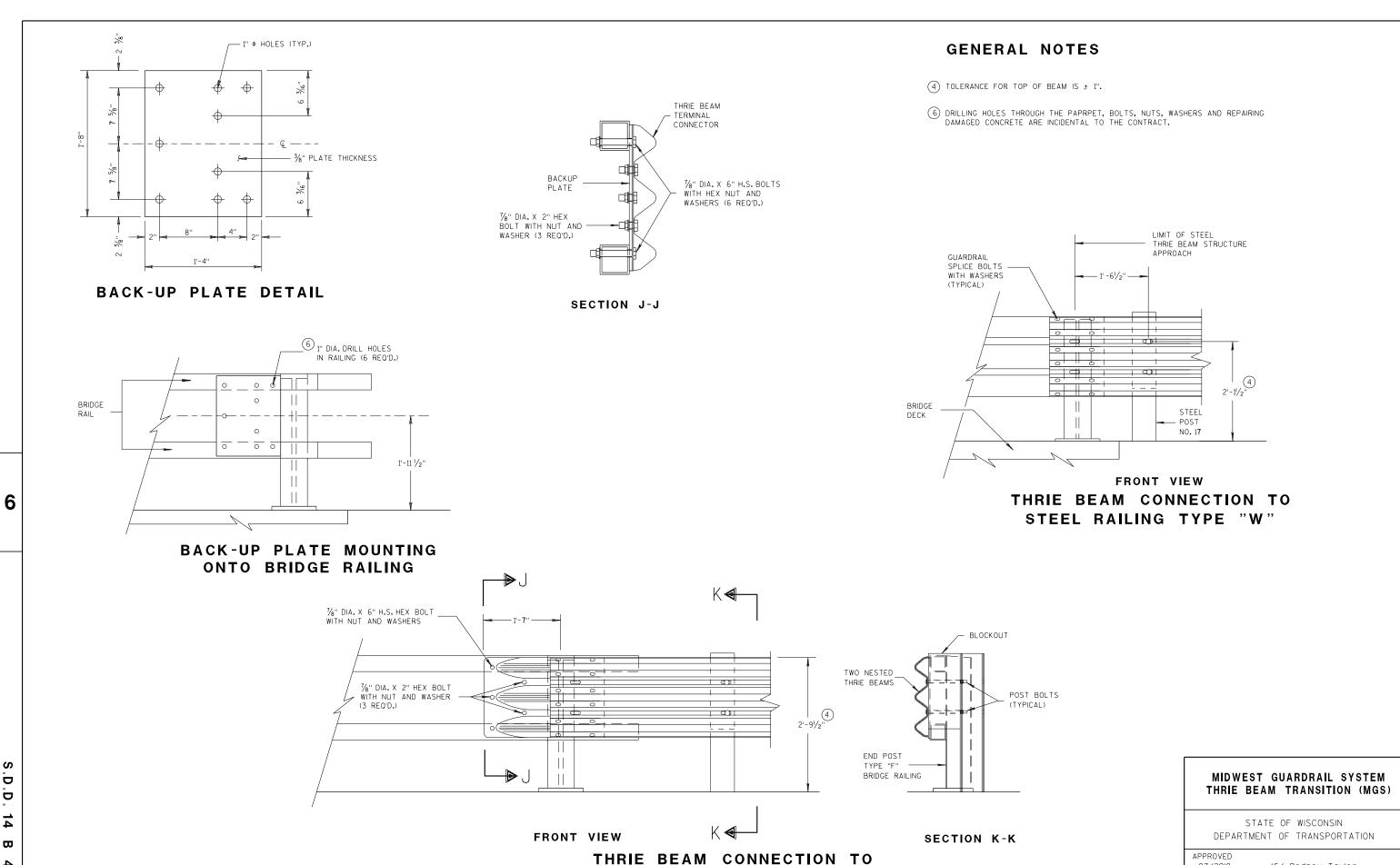
SDD 14B44 - 04











TUBULAR RAILING TYPE "F"

D

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07/2018

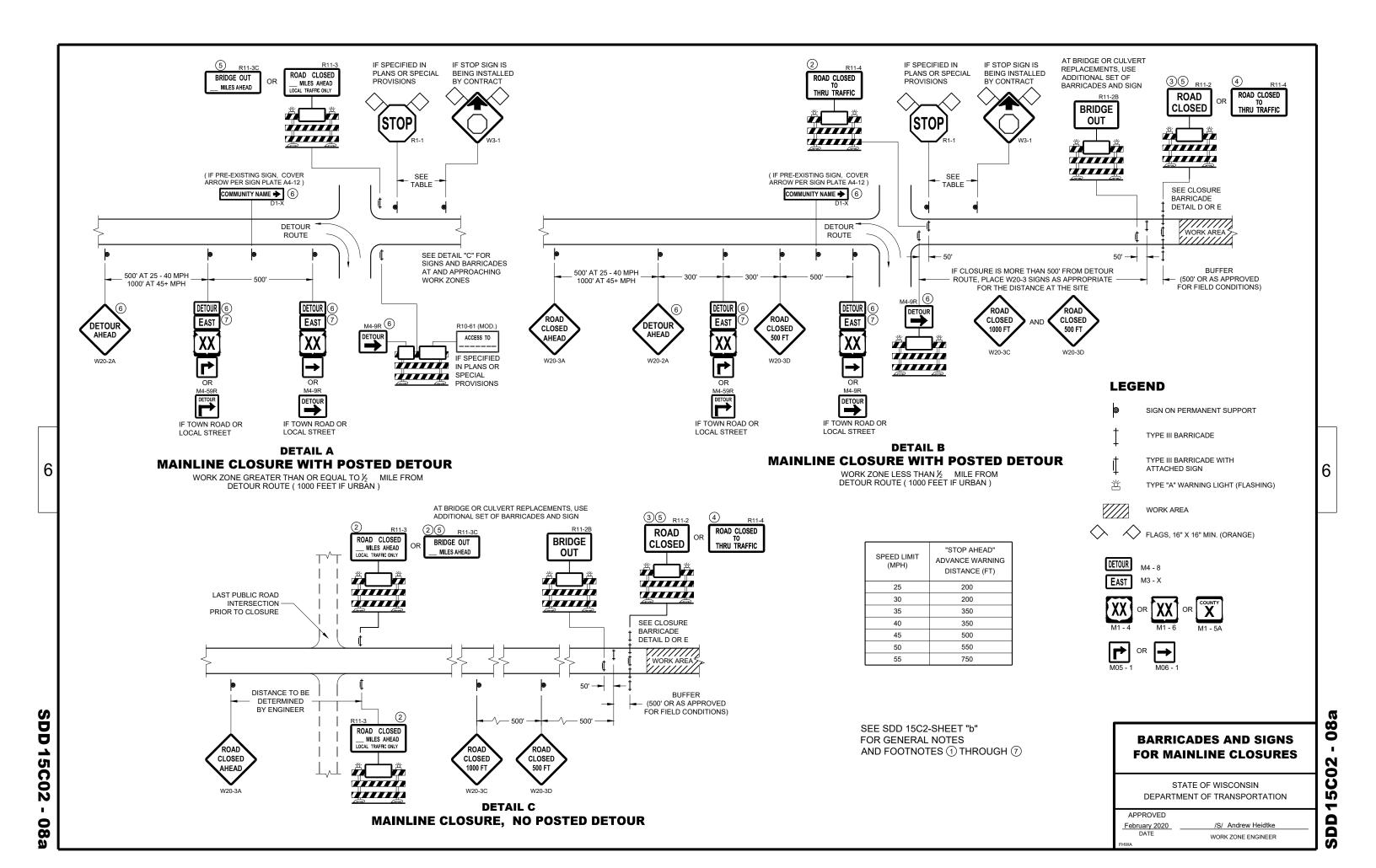
DATE

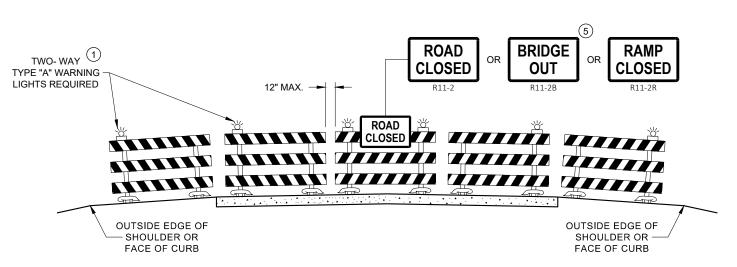
/S/ Rodney Taylor

ROADWAY STANDARDS DEVELOPMENT

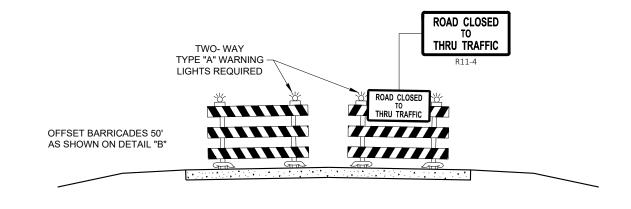
UNIT SUPERVISOR

6





DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE 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

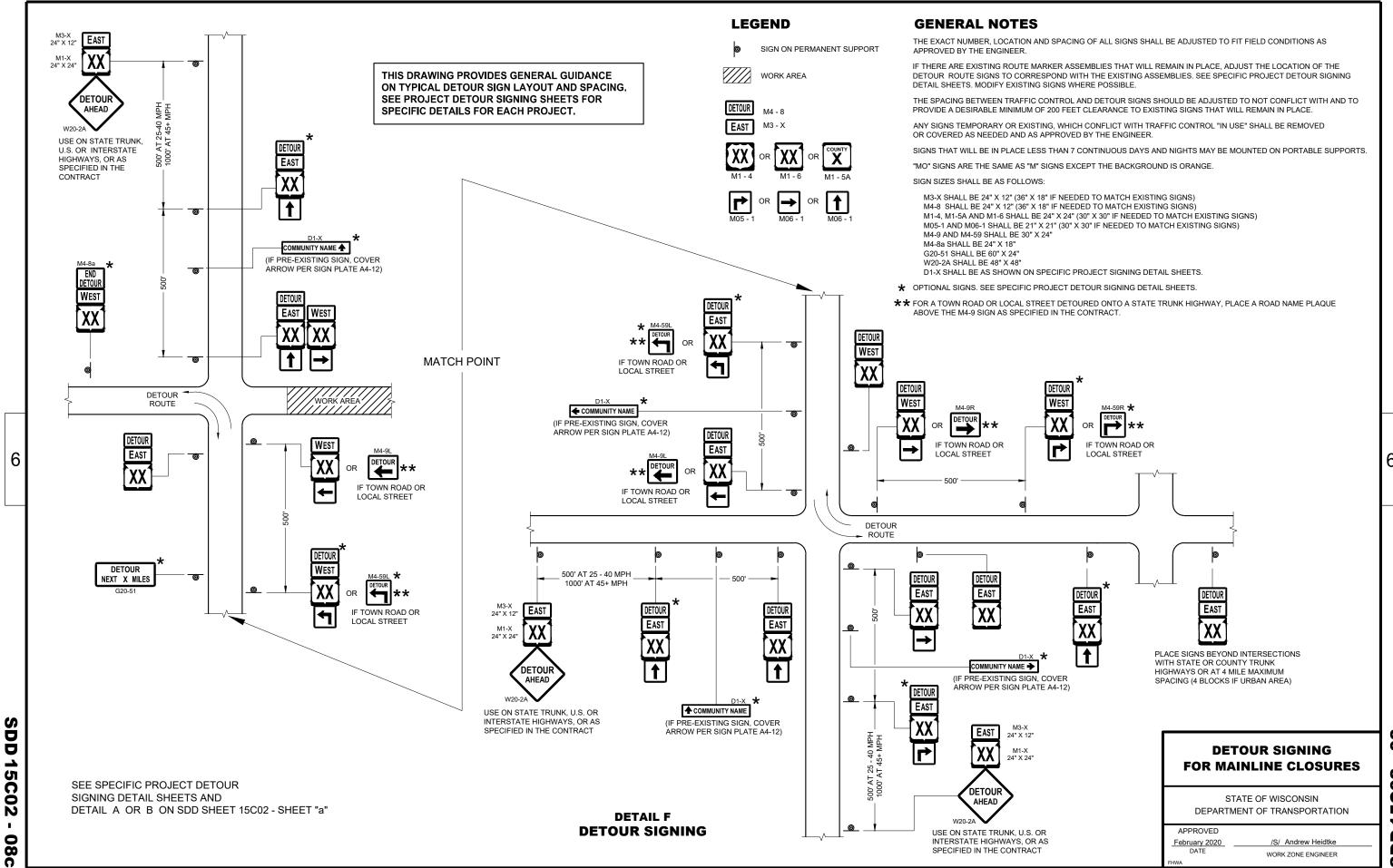
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2020
DATE

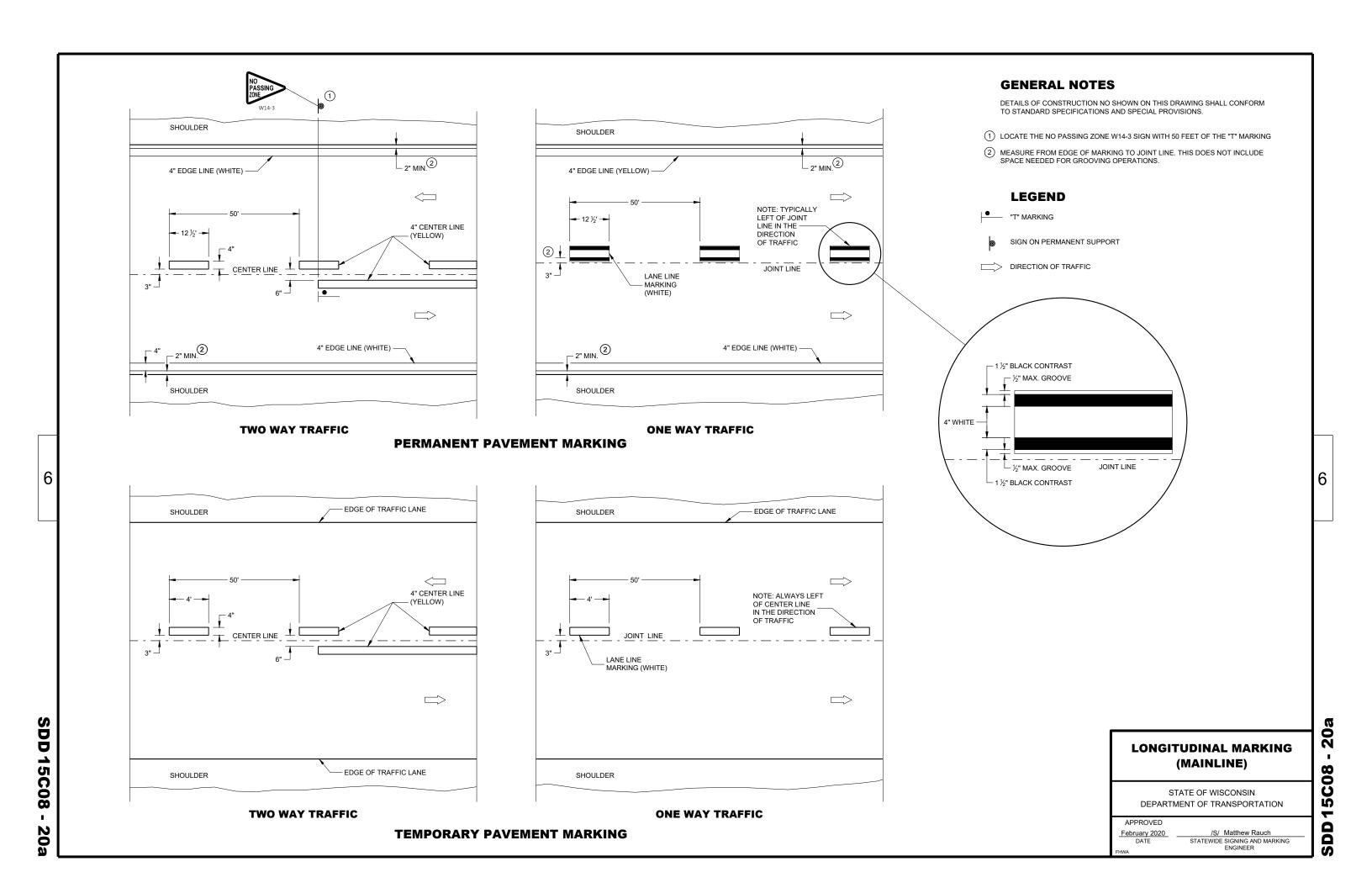
/S/ Andrew Heidtke
WORK ZONE ENGINEER

DD 15C02 - 0



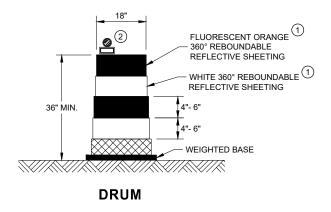
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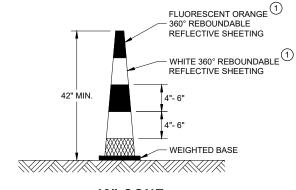




GENERAL NOTES

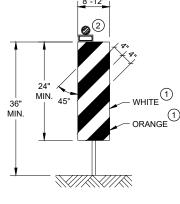
- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





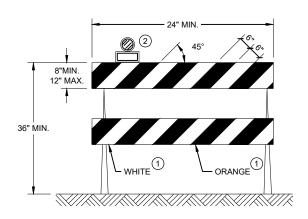
42" CONE DO NOT USE IN TAPERS

½ SPACING OF DRUMS



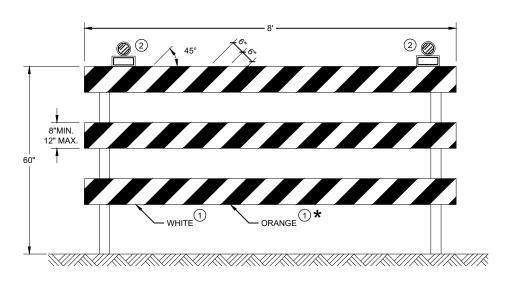
VERTICAL PANEL

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 07

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SDD

APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	



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	٤
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

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6

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6

- 11/2" DIAMETER HOLES

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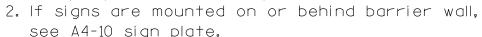
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

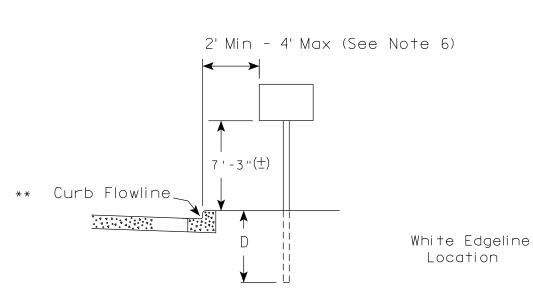
APPROVED

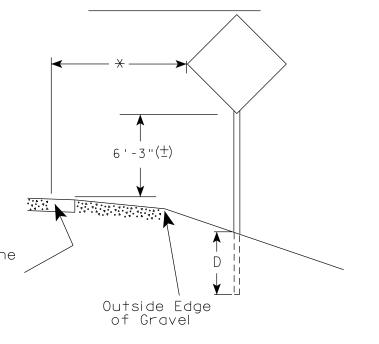
June 2017
DATE



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

WISDOT/CADDS SHEET 42

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 (TWO POSTS REQUIRE)		
	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

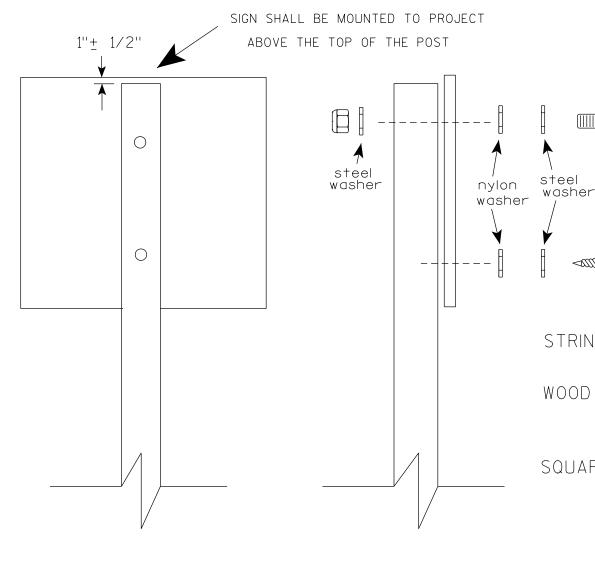
WISDOT/CADDS SHEET 42

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

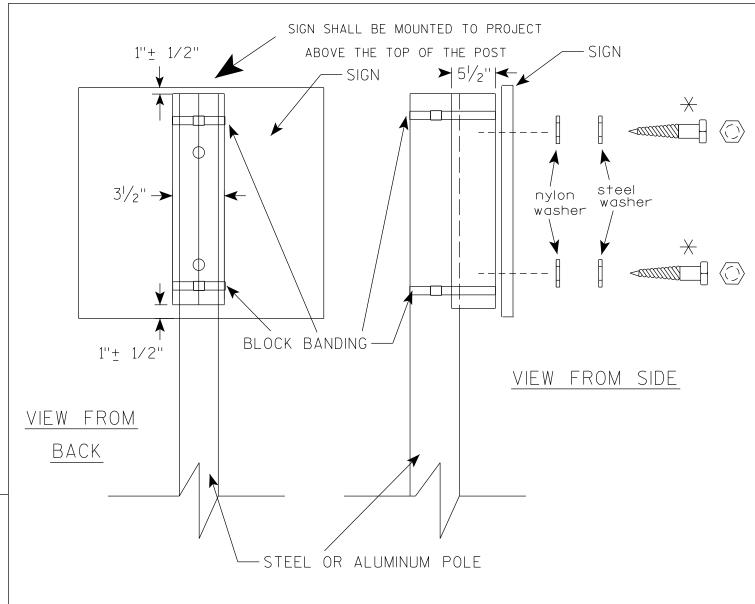
State Traffic Engineer

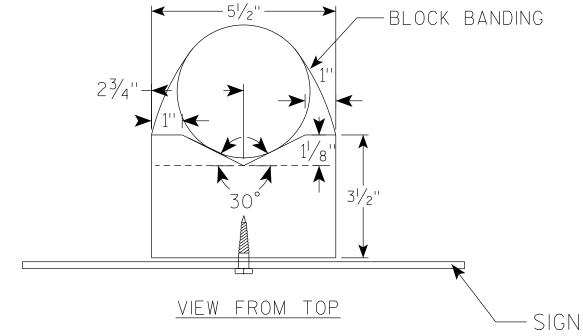
COUNTY:

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

WISDOT/CADDS SHEET 42

- Sign is Type II see Note 7 reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

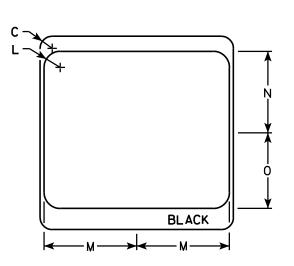
Background - White & Black - See Note 7 Message - Black

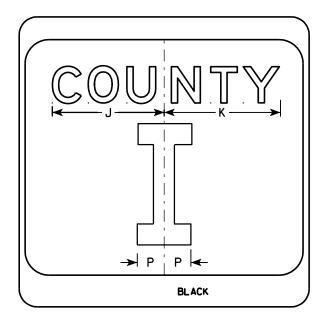
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

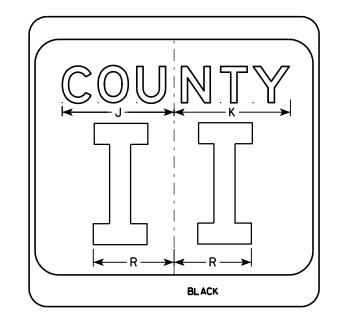
 Message Series D for 2 letters unless
 message is too big then Series C.

 Message Series C for 3 letters unless
 message is too big then Series B.
- 6. Substitute appropriate letters & optically center to achieve proper balance.
- 7. Permanent Signs

Background - Type H Reflective Detour or temporary Signs Background - Reflective







PLOT NAME :

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
3	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
5	36		2 1/4			16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
DDO	IECT	NO.					111						COUN	TV.													
FRU	JECT	NO.					HV	V I .						1 1 .					I								

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED

Matthew Rauch

Forstate Traffic Engineer

MATE 9/27/11 PLATE NO. M1-5A.8

DATE 9/27/11

SHEET NO:

BLACK

M1-5A

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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

	G
	F B G G G G G G G G G G G G G G G G G G
A M4 - 8	Y

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

COUNTY:

STANDARD SIGN M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

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

 $D \longrightarrow$ Н M4-8A

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

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther For State Traffic Engineer

SHEET NO:

DATE 3/9/11

PLATE NO. M4-8A.2

PLOT SCALE: 3.972696:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48A.DGN

HWY:

PROJECT NO:

PLOT DATE: 09-MAR-2011 10:29

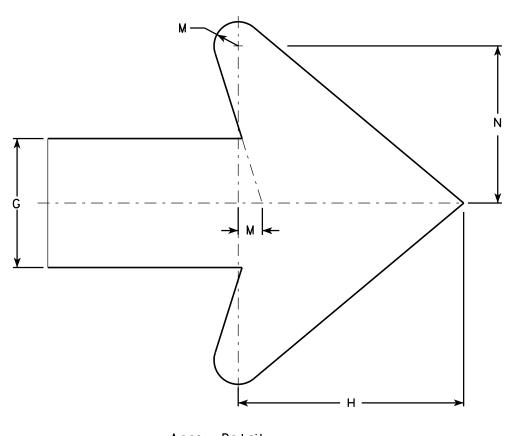
PLOT BY: mscj9h

PLOT NAME :

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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



Arrow Detail

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3∕8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 1/8													5.00
3	30	24	1 1/8	3∕8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 1/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 %	20 %	20 1/2	13 1/4	1 1/8	6 %													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 %	20 1/2	13 1/4	1 1/8	6 %													12.0

COUNTY:

M4-9R

M4-9 R & L WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED

Matther R *for* State Traffic Engineer

PLATE NO. M4-9R.4 DATE 3/9/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M49R.DCN

PROJECT NO:

HWY:

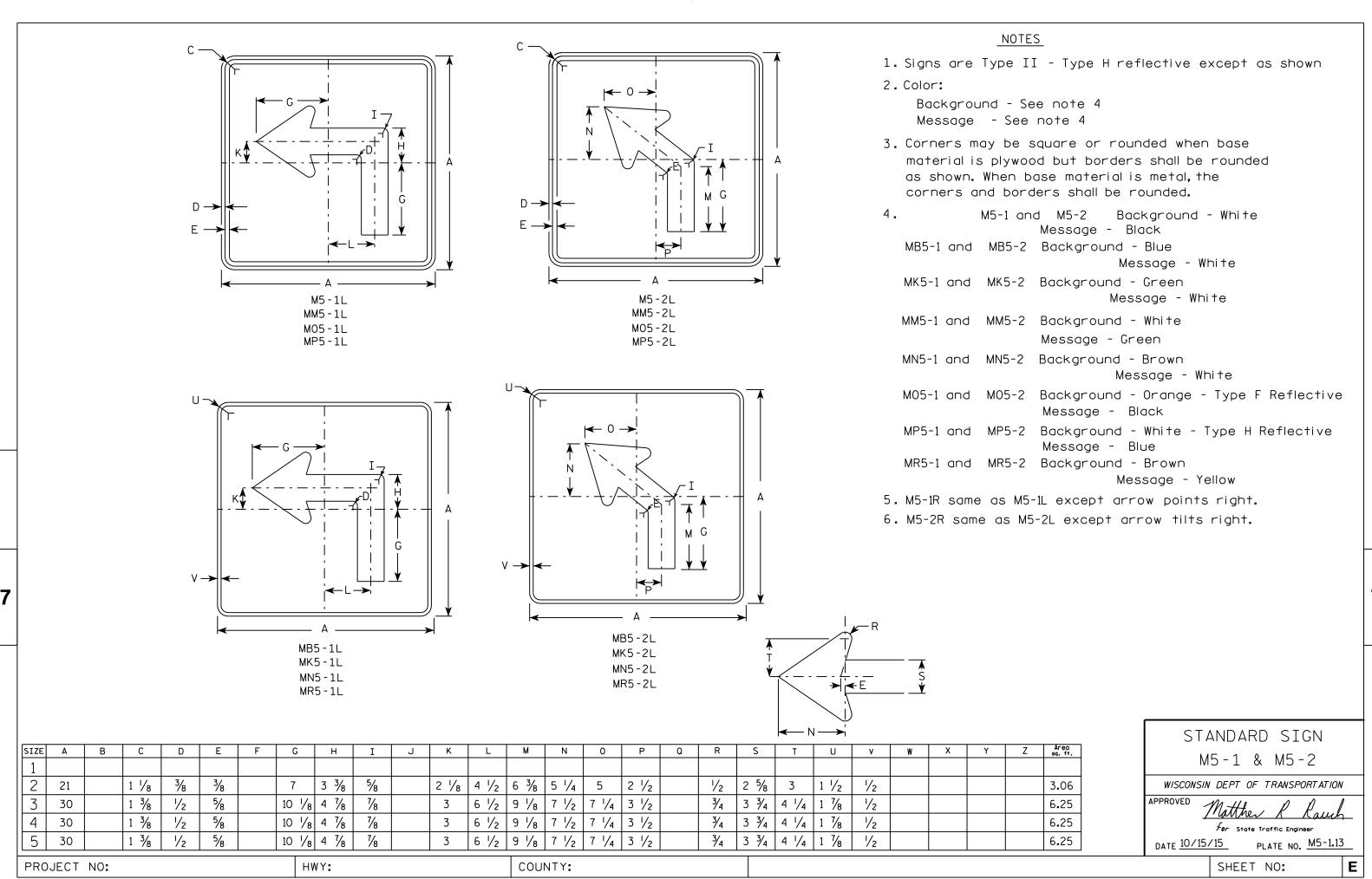
PLOT DATE: 09-MAR-2011 11:17

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 5.959043:1.000000

WISDOT/CADDS SHEET 42

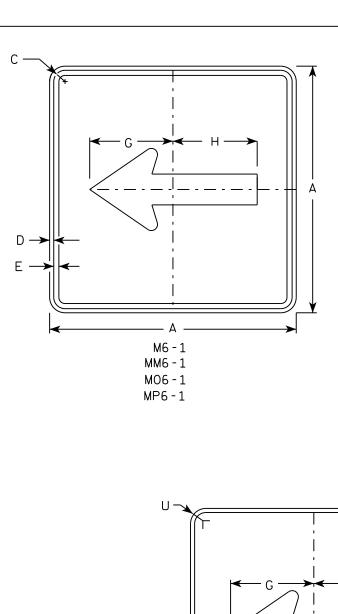


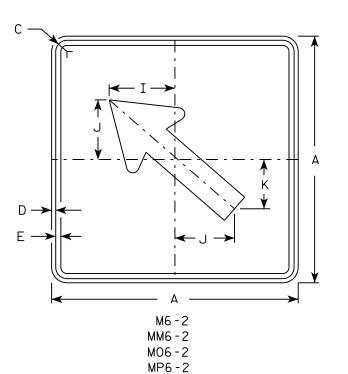
FILE NAME . C.\CAFfiles\Projects\tr stdolote\M51 DCN

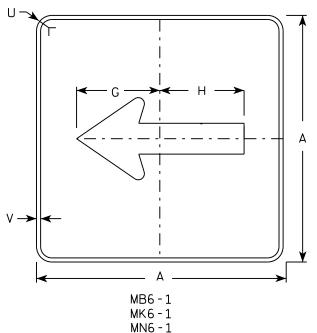
PLOT DATE . 01-DEC-2015 18:07

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

PLOT SCALE . 11 675051.1 000000

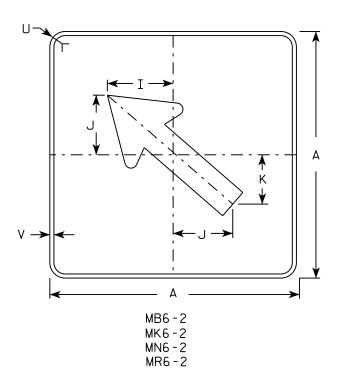






MR6-1

HWY:



NOTES

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

Background - See note 4 Message - See note 4

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

Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

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

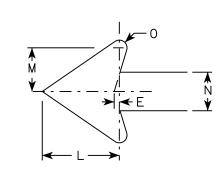
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



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

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawl For State Traffic Engineer

Ε

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

SHEET NO:

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

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:57

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

PLOT SCALE . 11 675051.1 000000

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

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

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

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

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

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

SHEET NO:

PROJECT NO:



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

G

Background - White Message - Black

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

HWY:

R11-3B

** See Note 5

 $D \rightarrow$

E→

STANDARD SIGN R11-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PLATE NO. R11-3B.3

SHEET NO:

SIZE A В С D 1 3/8 5/8 10 3/4 8 3/8 4 3/4 6 1/2 36 18 1/2 4 3 2 1/2 2 2 13 1/4 2 1/4 3 1 1/2 2 2 6 3/4 7 1/8 4.5 60 30 1 3/8 1/2 4 1/4 3 3/8 20 1/8 13 1/4 1 3/4 17 3/8 13 1/8 3 1/2 12.5 5 10 11 1/8 2M 4 1/4 3 3/8 20 1/8 13 1/4 1 3/4 3 1/2 11 1/8 30 17 3/8 13 1/8 12.5 4 5

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113B.DGN

PROJECT NO:

PLOT DATE: 21-MAR-2017 08:46

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

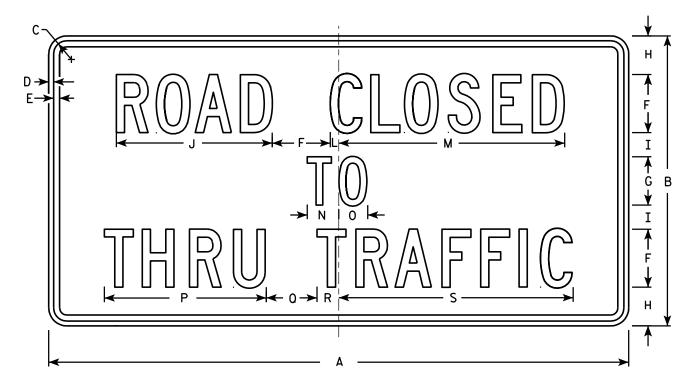
PLOT SCALE: 6.896672:1.000000

WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

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



R11-4

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7 /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

HWY:

COUNTY:

PLOT NAME :

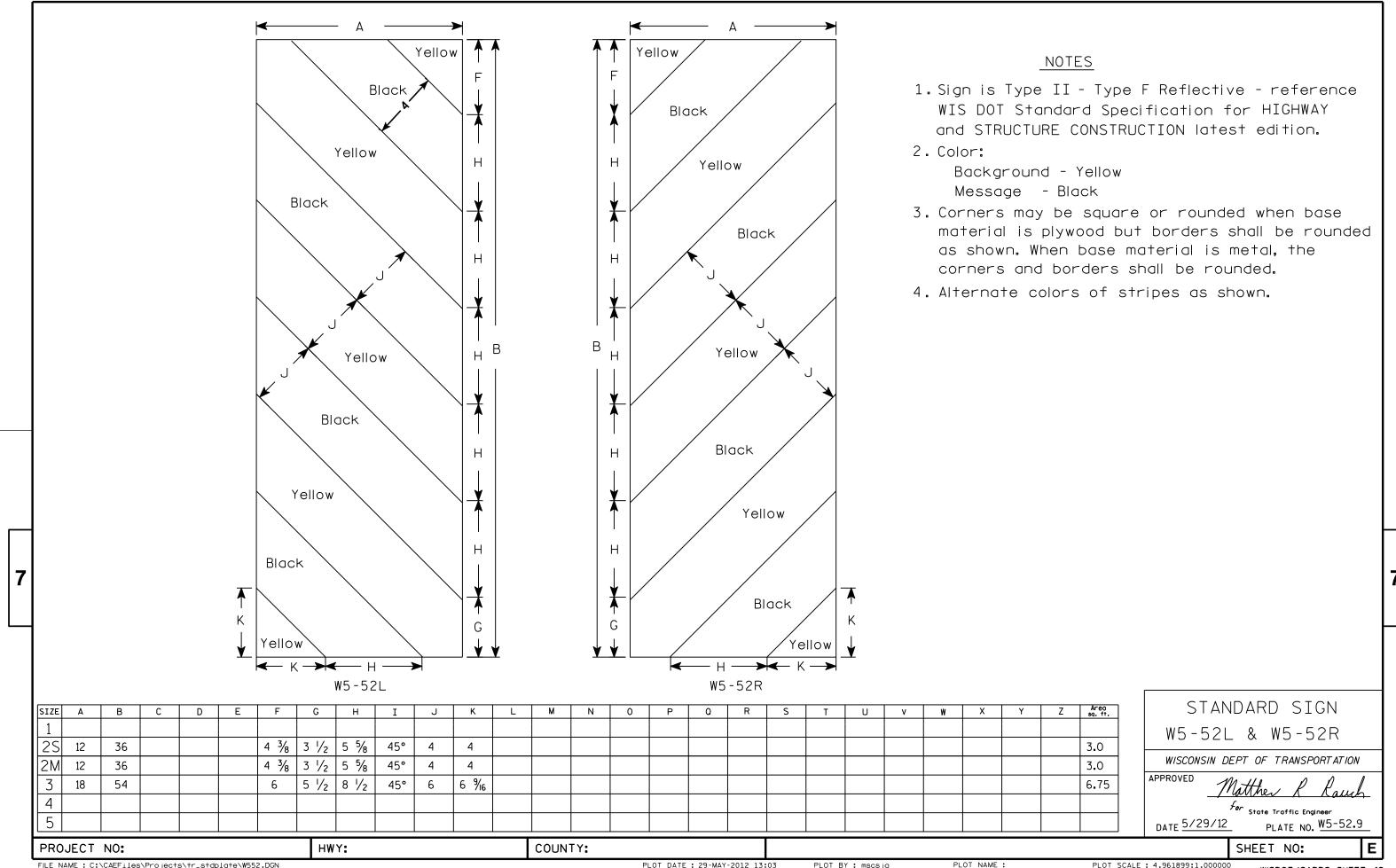
PLOT SCALE: 9.931739:1.000000

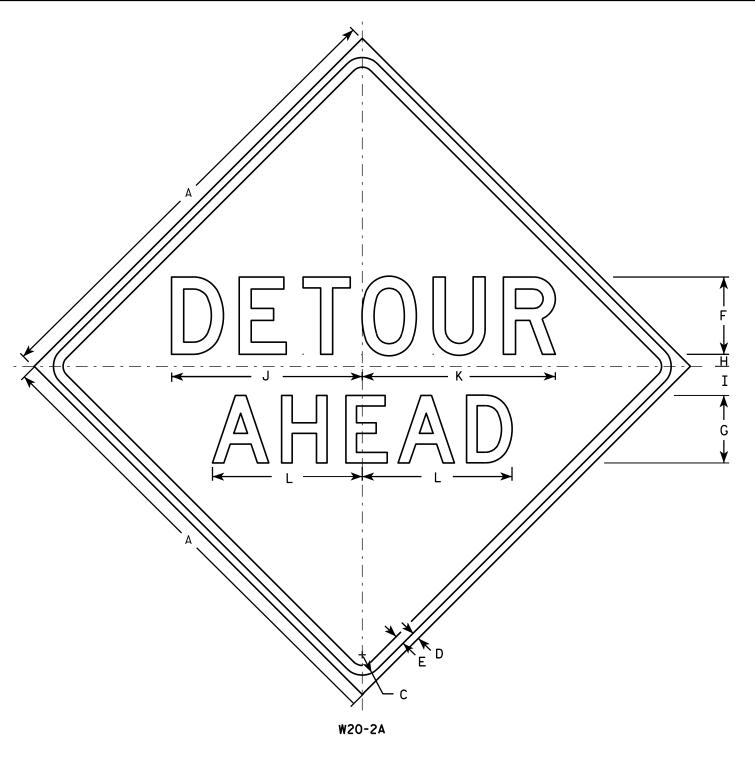
WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R114.DGN

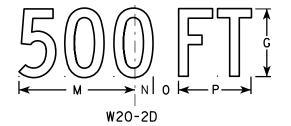
PROJECT NO:

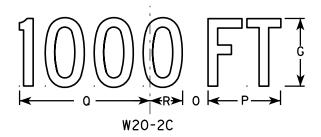
PLOT DATE: 01-APR-2011 14:11 PLOT BY: mscj9h

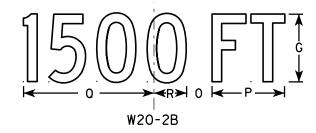


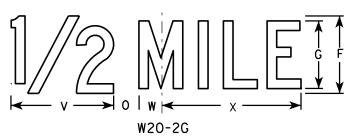


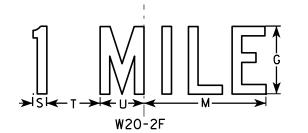
HWY:











PLOT BY: mscj9h

<u>NOTES</u>

- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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

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

COUNTY:

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

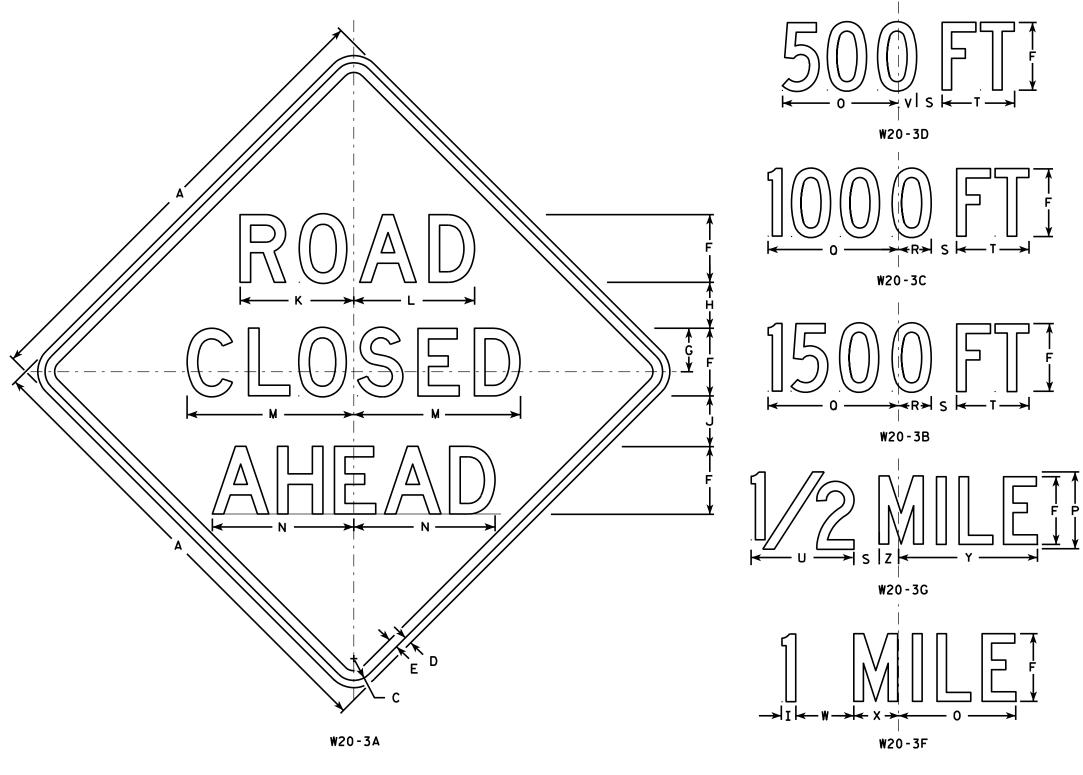
WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:



- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	w	х	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4	5	3 3/8	3 ½	1 1/8	4	8 3%	8 %	12 1/2	11	9	6	10 1/8	2 1/2	1 %	5 %	8	1 3/8	4 1/2	3 1/2	10 ¾	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	₹4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 ¾	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 %	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 %	2 5/8	7 1/2	10 %	1 1/8	6	4 %	14 3/8	2 3/8	16.0
ت			- /-	/ -	-		1 / 2	- / -	- /2	- /-	/ -	/2	7,4	- 70			10 /2	- 70	- 78	. , 2	78	- 78		- 70	- 70	- 78	

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

WISCONSIN DEPT OF TRANSPORTATION

DATE 3/18/11

For State Traffic Engineer
PLATE NO. W20-3.7

SHEET NO:

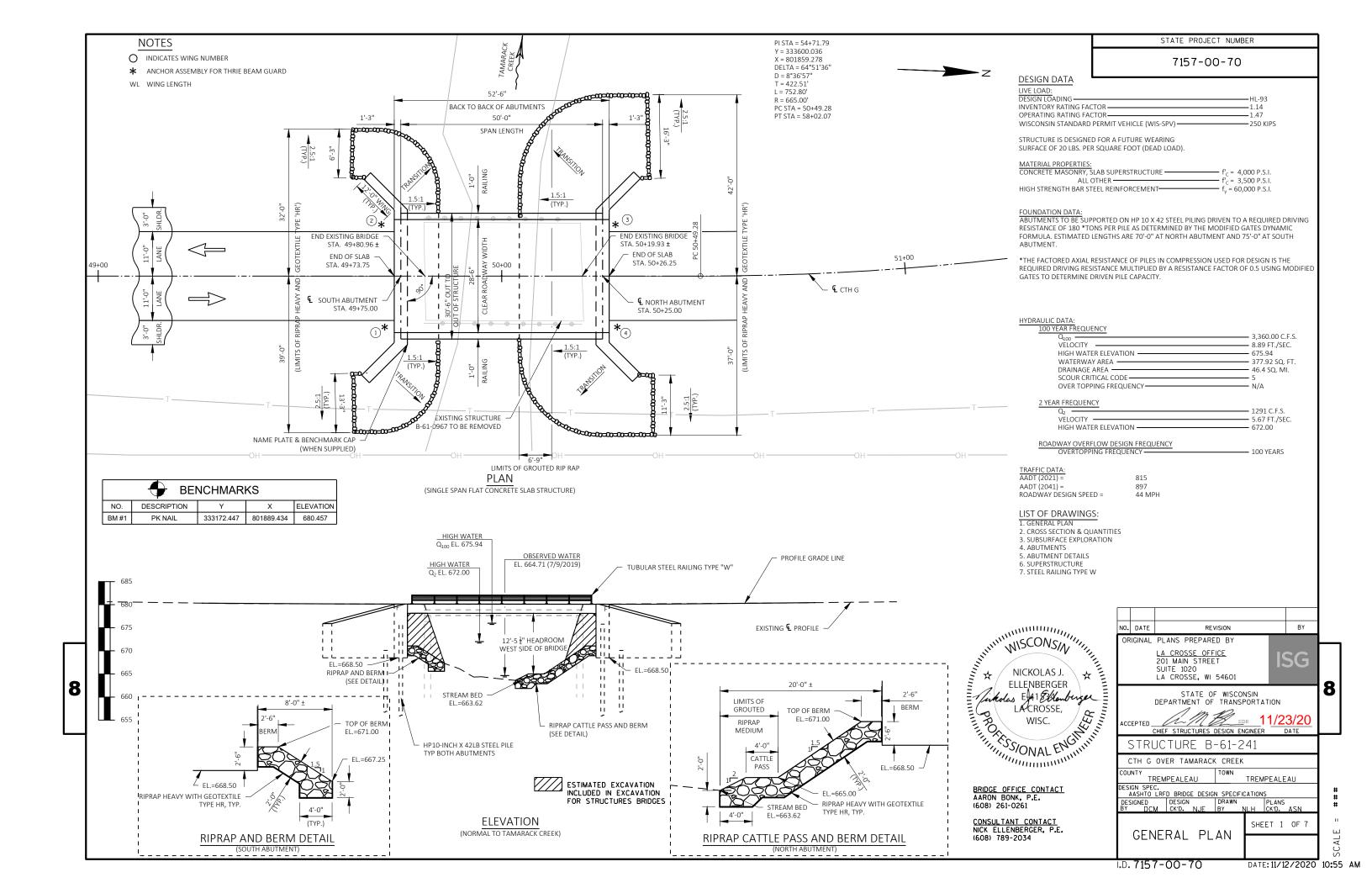
HWY:

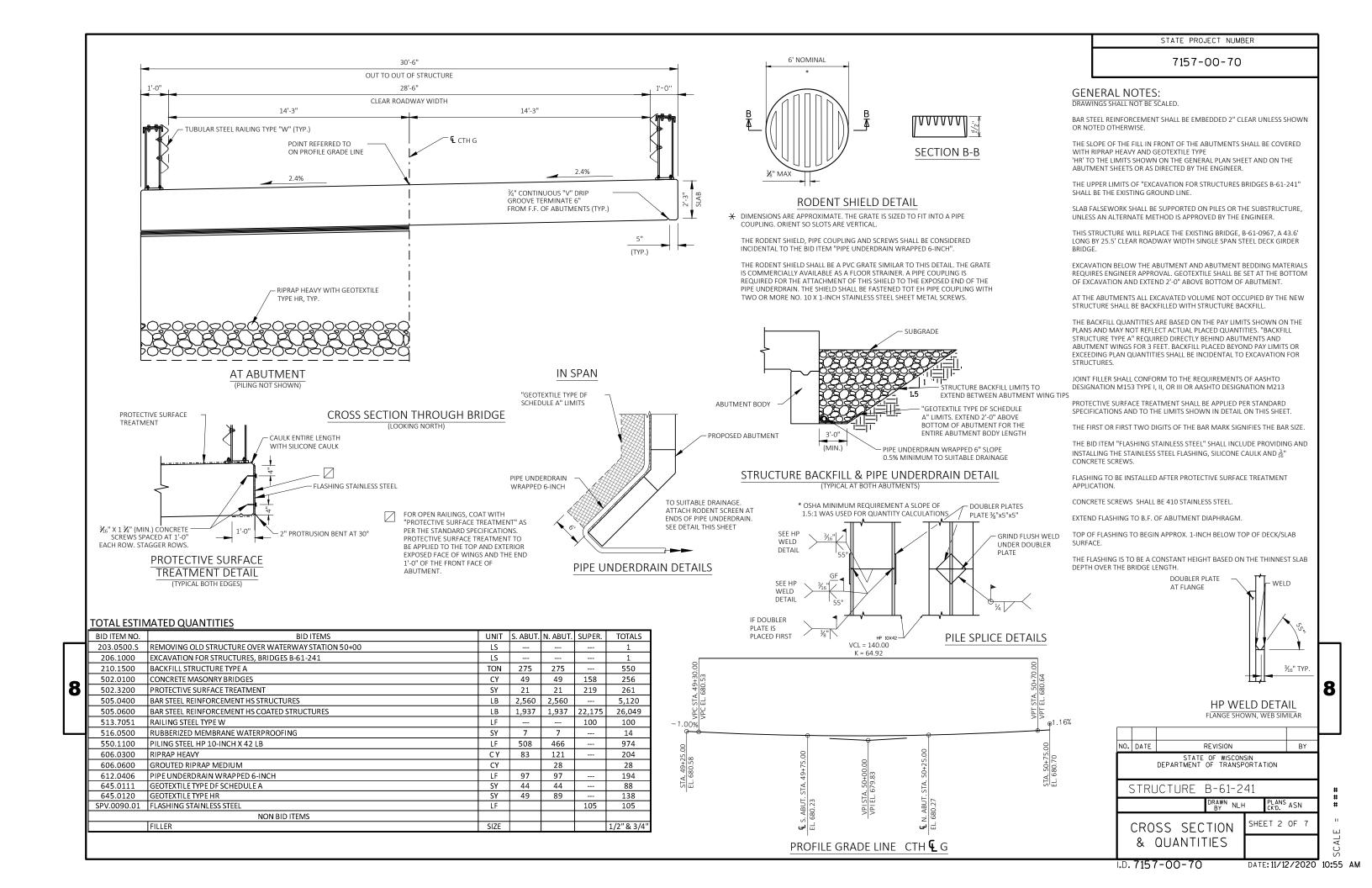
COUNTY:

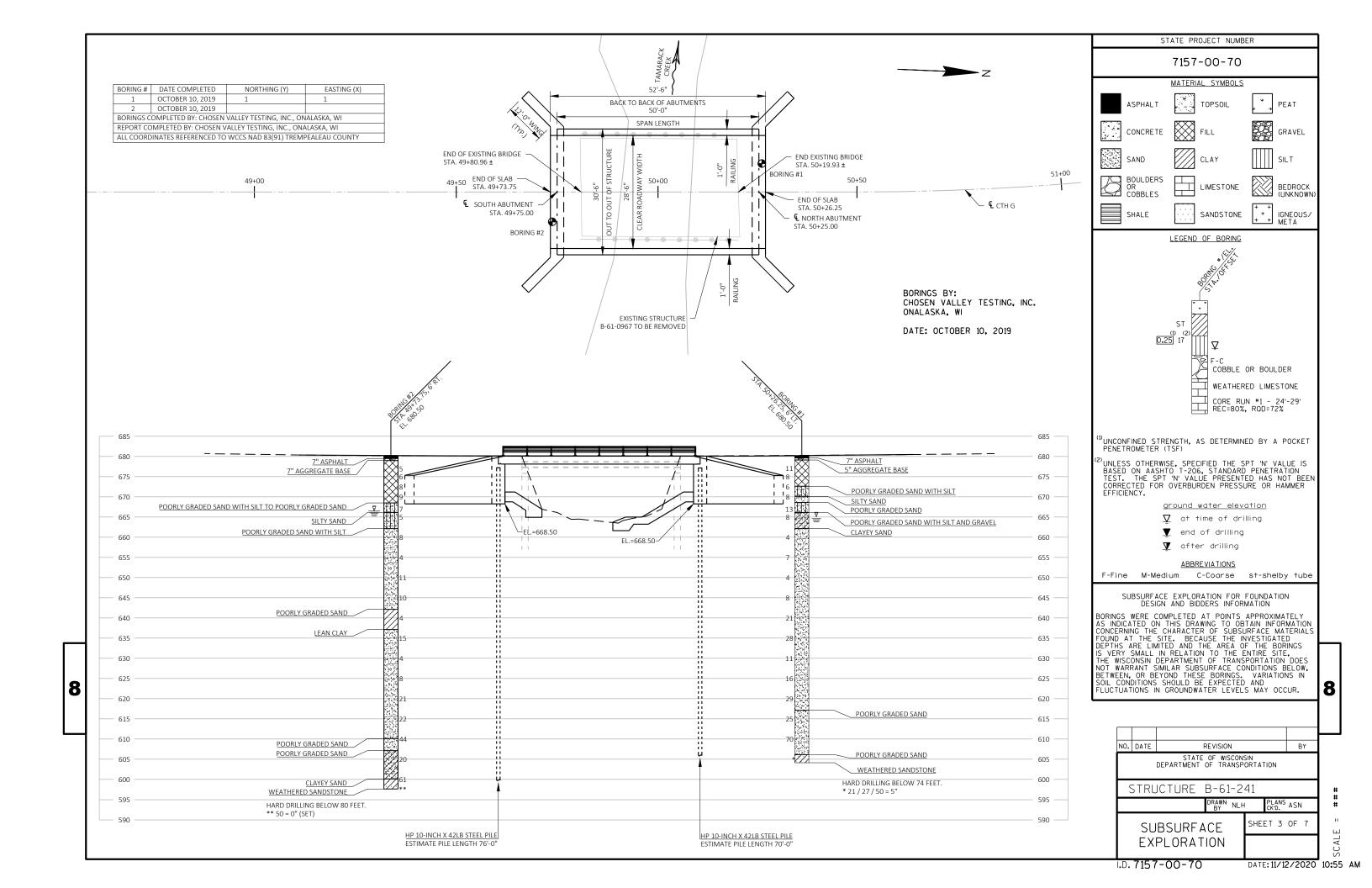
PLOT NAME :

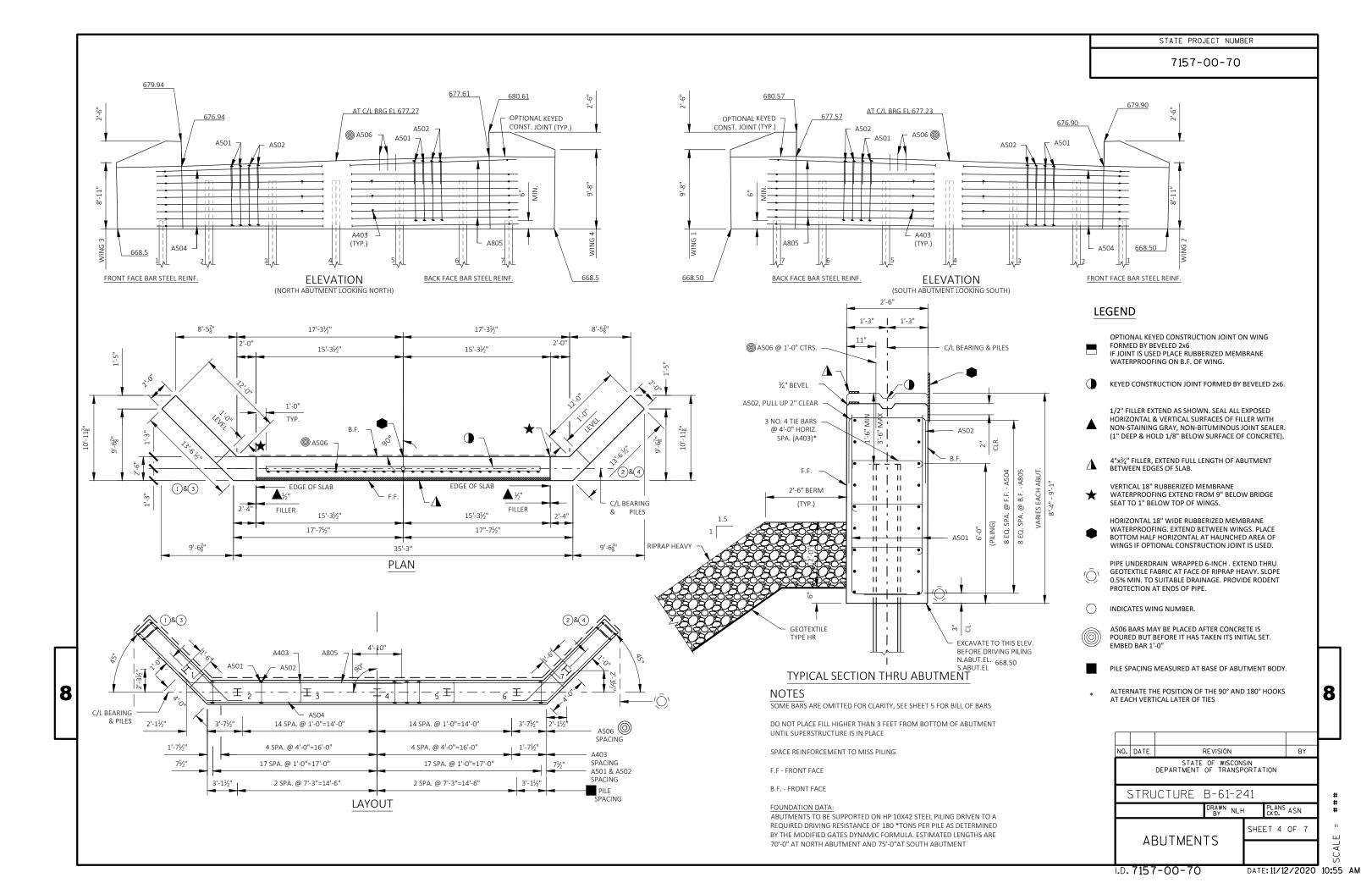
PLOT SCALE: 9.931739:1.000000

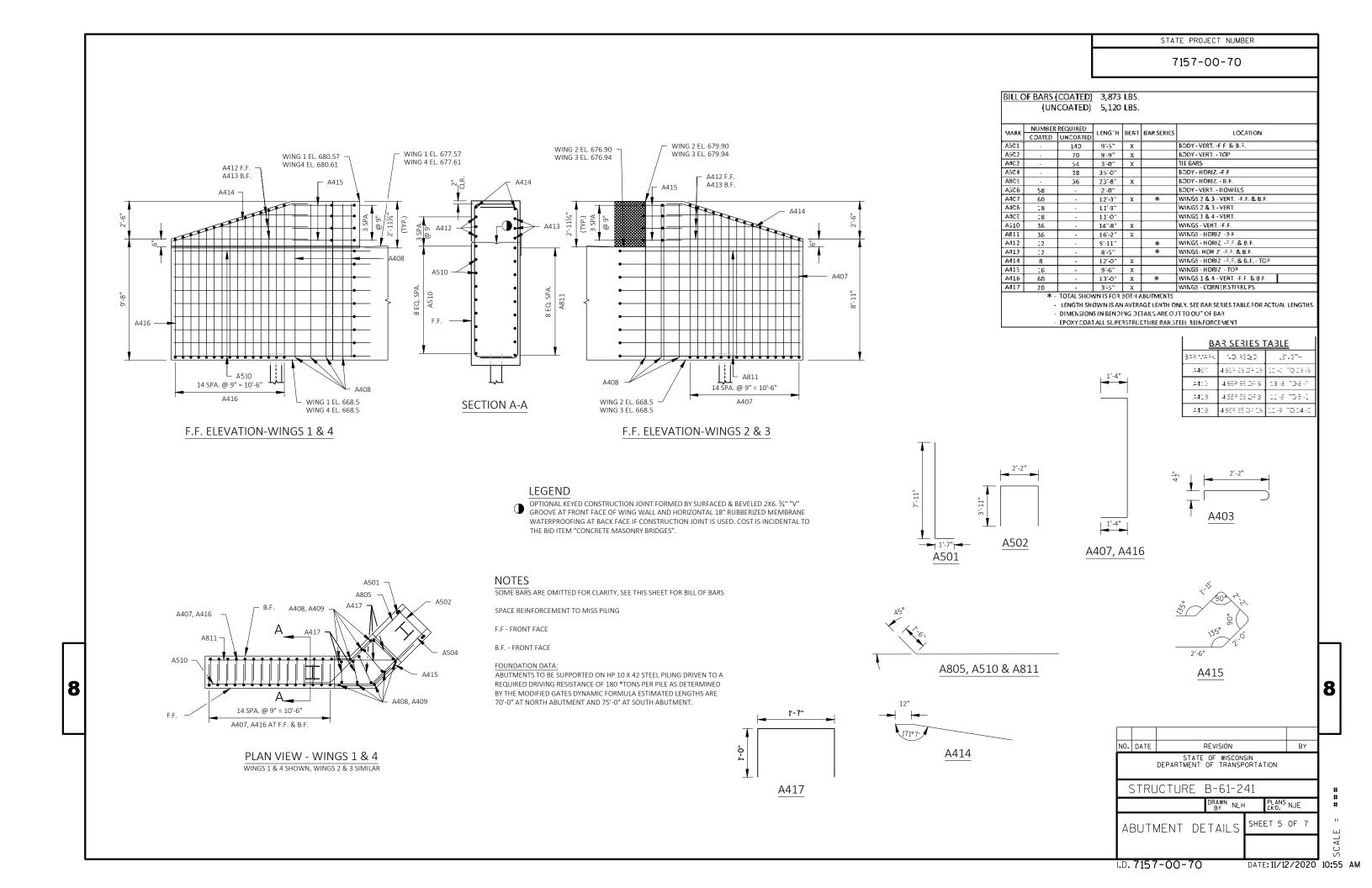
PROJECT NO:

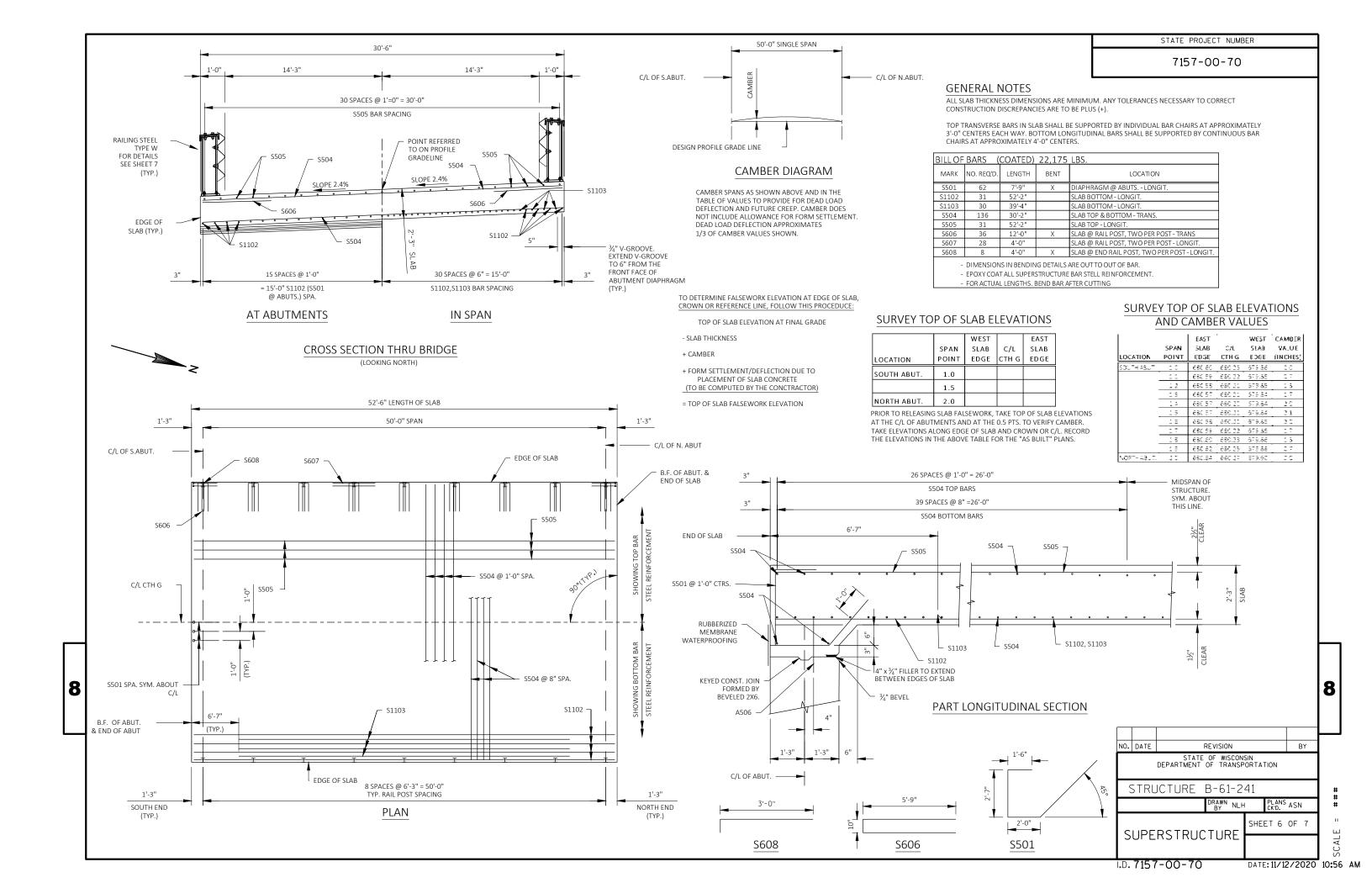


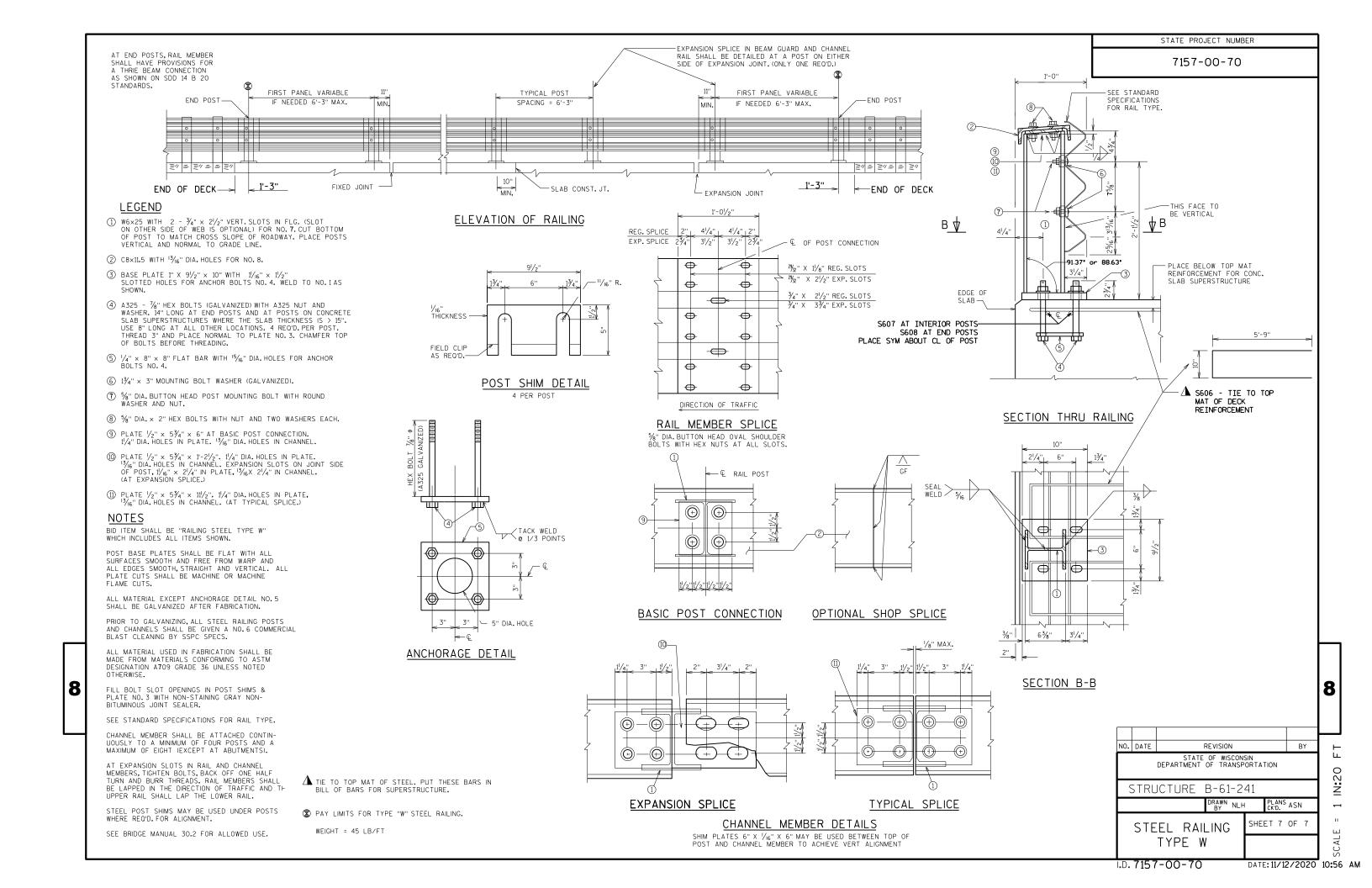












DIVISION 1 - CTHG-CL

				AREA (SF)		INCREN	MENTAL VOL (CY) (UNAD.	JUSTED)	CUMULATIVE VOL (CY)					
STATION	REAL STATION	DISTANCE	СИТ	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL	MASS ORDINATE			
						NOTE 1	NOTE 2	NOTE 3	NOTE 1					
48+32.884	4832.88	0.00	0.00	0.00	0.00	0	0	0	0	0	0			
48+50	4850.00	17.12	51.31	0.00	0.04	16	0	0	16	0	16			
48+71.913	4871.91	21.91	43.25	0.00	1.45	38	0	1	54	1	53			
48+96.913	4896.91	25.00	14.01	0.00	6.34	27	0	4	81	7	75			
49+00	4900.00	3.09	13.80	0.00	6.97	2	0	1	83	8	75			
49+21.913	4921.91	21.91	12.88	0.00	14.59	11	0	9	94	20	75			
49+25.01	4925.01	3.10	36.93	0.00	12.54	3	0	2	97	22	75			
49+50	4950.00	24.99	31.01	0.00	44.46	31	0	26	128	56	72			
49+65.59	4965.59	15.59	28.51	0.00	52.42	17	0	28	145	92	53			
49+75	4975.00	9.41	0.00	0.00	0.00	5	0	9	150	104	46			

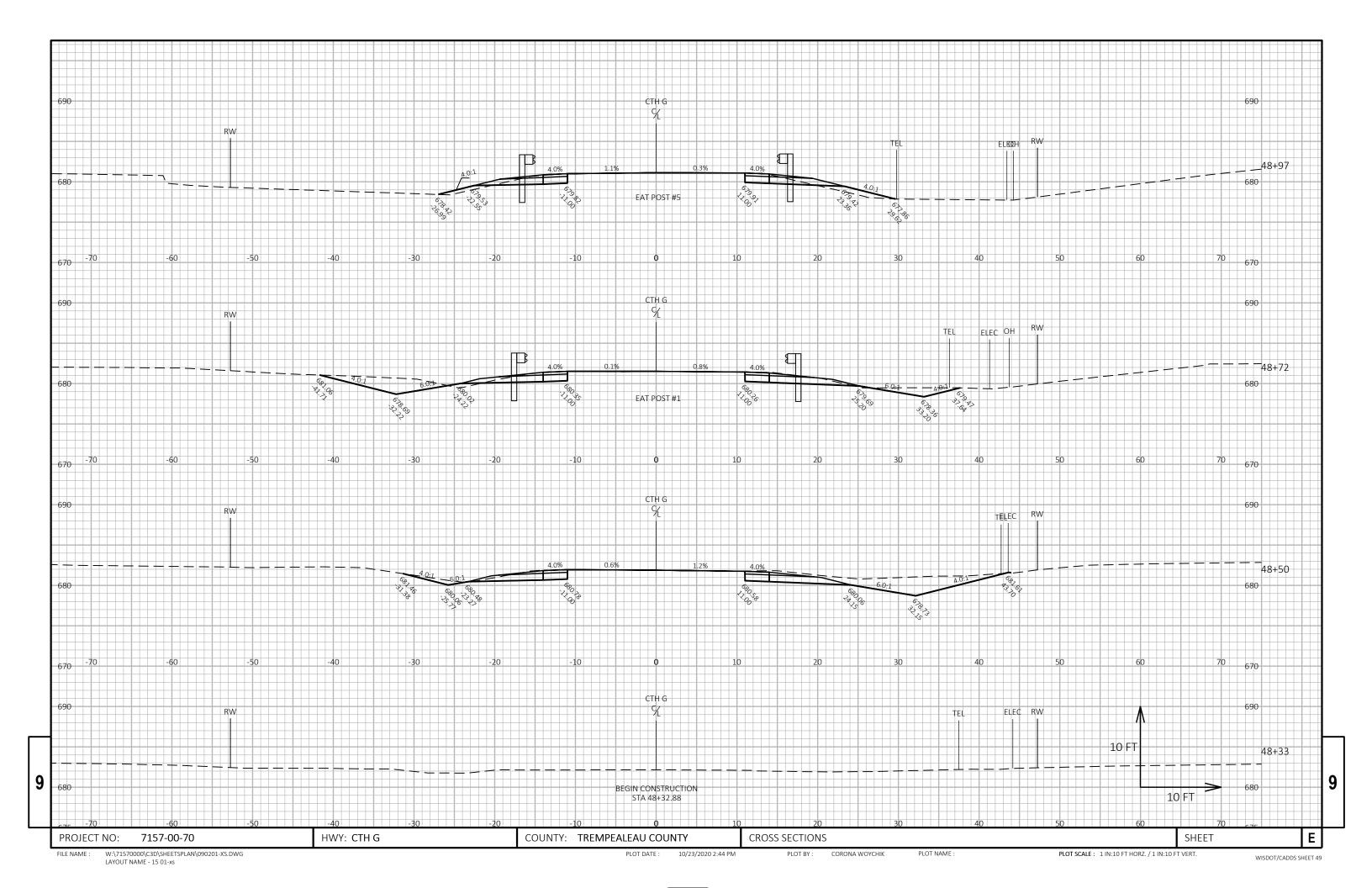
				ARFA (SF)		INCREN	MENTAL VOL (CY) (UNAD.	JUSTED)	CUMULATIVE VOL (CY)				
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE	FILL	CUT	SALVAGED/UNUSABLE	FILL	CUT	EXPANDED FILL	MASS ORDINATE		
				PAVEMENT MATERIAL		NOTE 1	PAVEMENT MATERIAL NOTE 2	NOTE 3	1.00	1.30			
50.04.064	500.05	2.22											
50+24.961	5024.96	0.00	0.00	0.00	0.00	0	0	0	0	0	0		
50+34.41	5034.41	9.45	32.72	0.00	90.51	6	0	16	6	21	-15		
50+50	5050.00	15.59	3 6. 6 2	0.00	52.36	20	O	41	26	74	-48		
50+/5	5075.00	25.00	39.35	0.00	9.19	35	0	28	61	111	-50		
50+77.53	5077.53	2.53	13.66	0.00	13.59	2	0	1	63	112	-49		
50+78.745	5078.75	1.22	13.80	0.00	16.58	1	O	1	64	113	-49		
51+00	5100.00	21.25	15.63	0.00	13.50	12	O	12	76	12 9	-53		
51+02.015	5102.01	2.01	15.70	0.00	17.48	1	0	1	77	130	-53		
51+04.283	5104.28	2.27	15.78	0.00	19.17	1	0	2	78	133	-55		
51+25	5125.00	20.72	17.16	0.00	21.58	13	0	16	91	153	-62		
51+26.499	5126.50	1.50	17.68	0.00	22.98		0	1	92	155	63		
51+29.821	5129.82	3.32	21.10	0.00	23.41	2	0	3	94	159	-65		
51+50	5150.00	20.18	27.30	0.00	18.87	18	0	16	112	179	-67		
52+00	5200.00	50.00	34.00	0.00	5.60	57	0	23	169	209	-40		
52+50	5250.00	50.00	31.06	0.00	0.00	60	0	5	229	216	13		
52+58.39	5258.39	8.39	0.05	0.00	0.00	5	0	0	234	216	18		

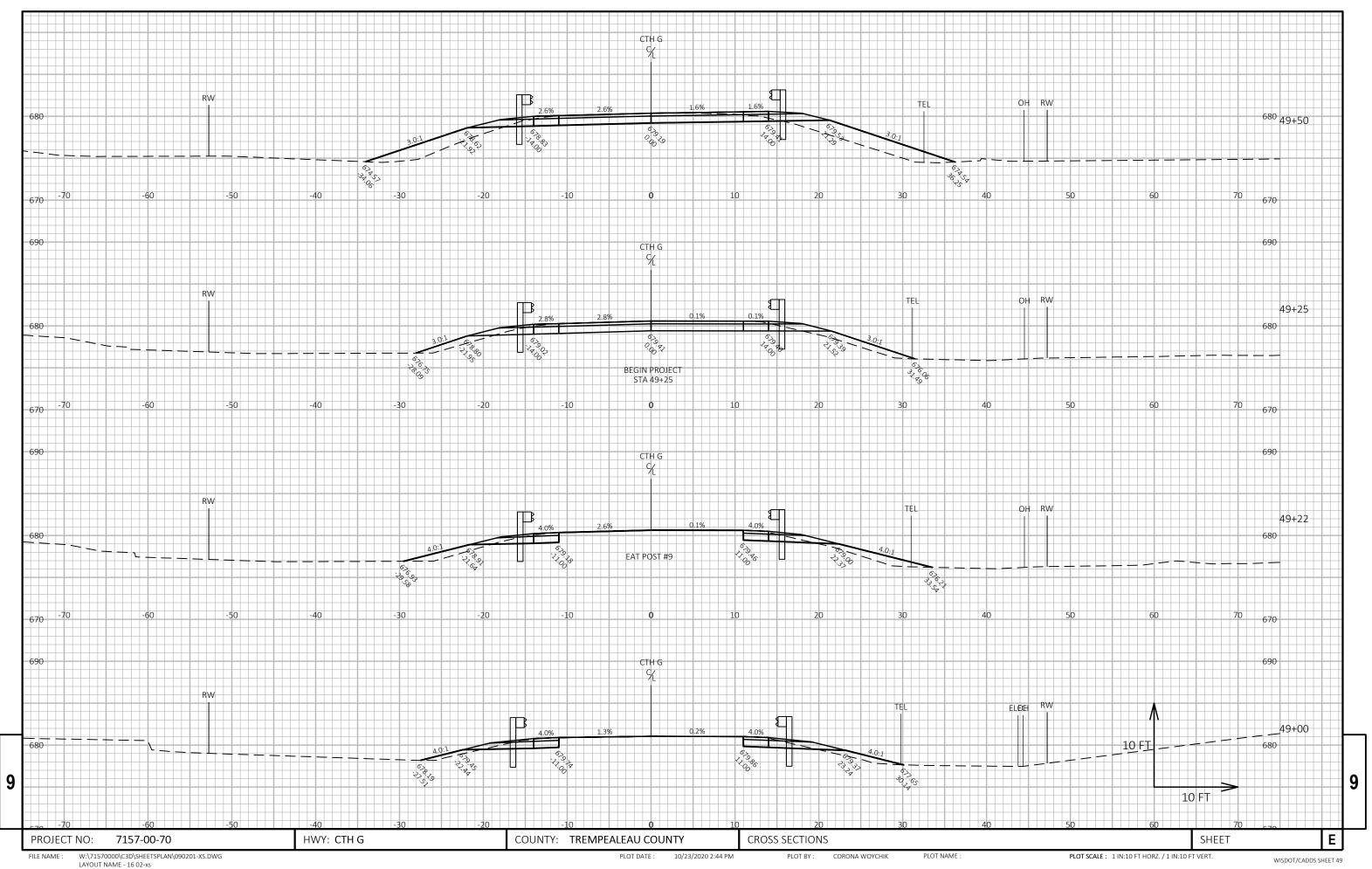
Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATER	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILI	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

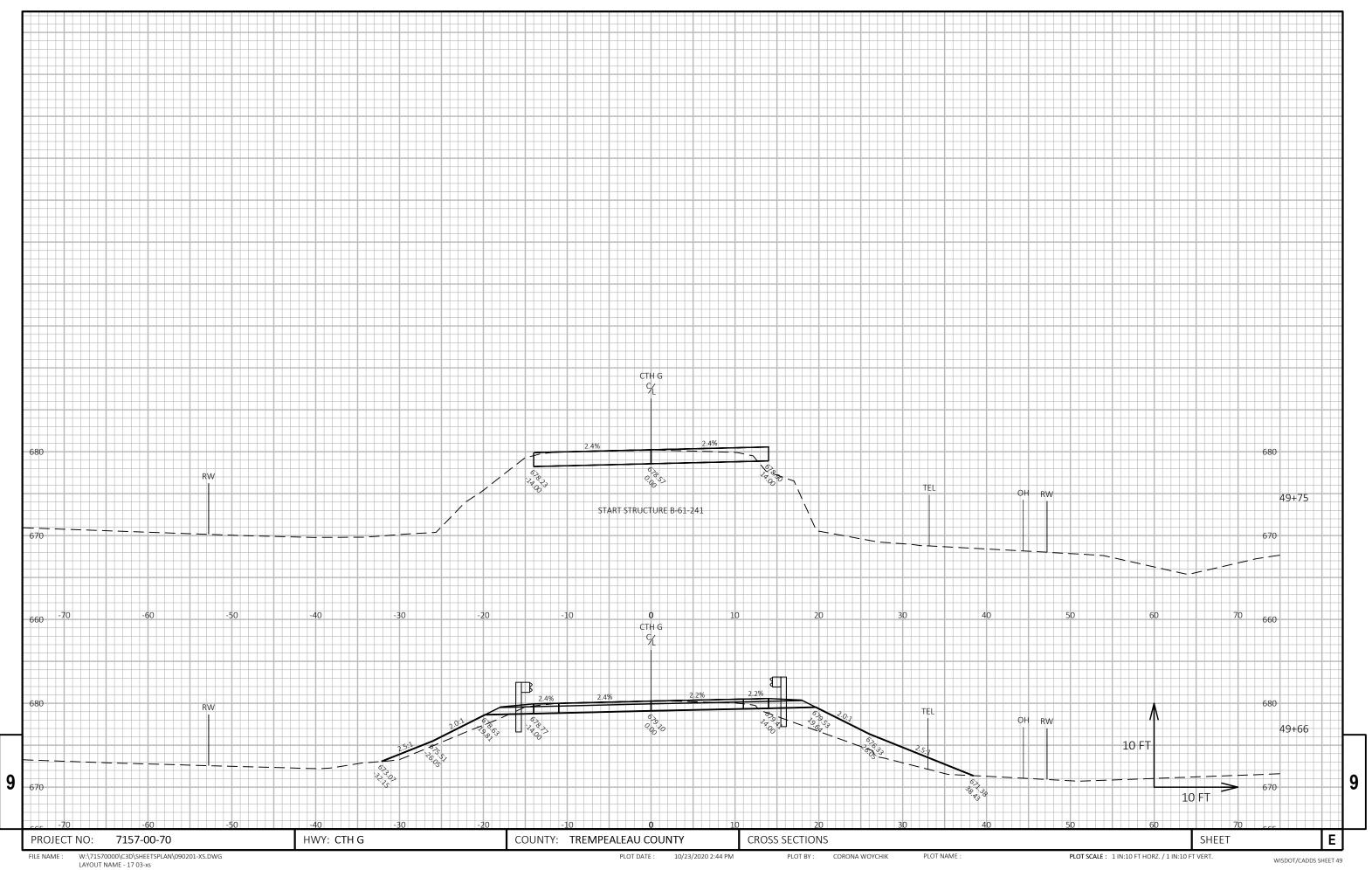
HWY: CTH G COUNTY: TREMPEALEAU COUNTY Ε PROJECT NO: **7157-00-70** EARTHWORK SHEET

FILE NAME : W:\71570000\C3D\SHEETSPLAN\090101-EW.DWG LAYOUT NAME - 14 01-ew PLOT DATE : 10/23/2020 2:24 PM PLOT BY: CORONA WOYCHIK PLOT NAME : PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADDS SHEET 49

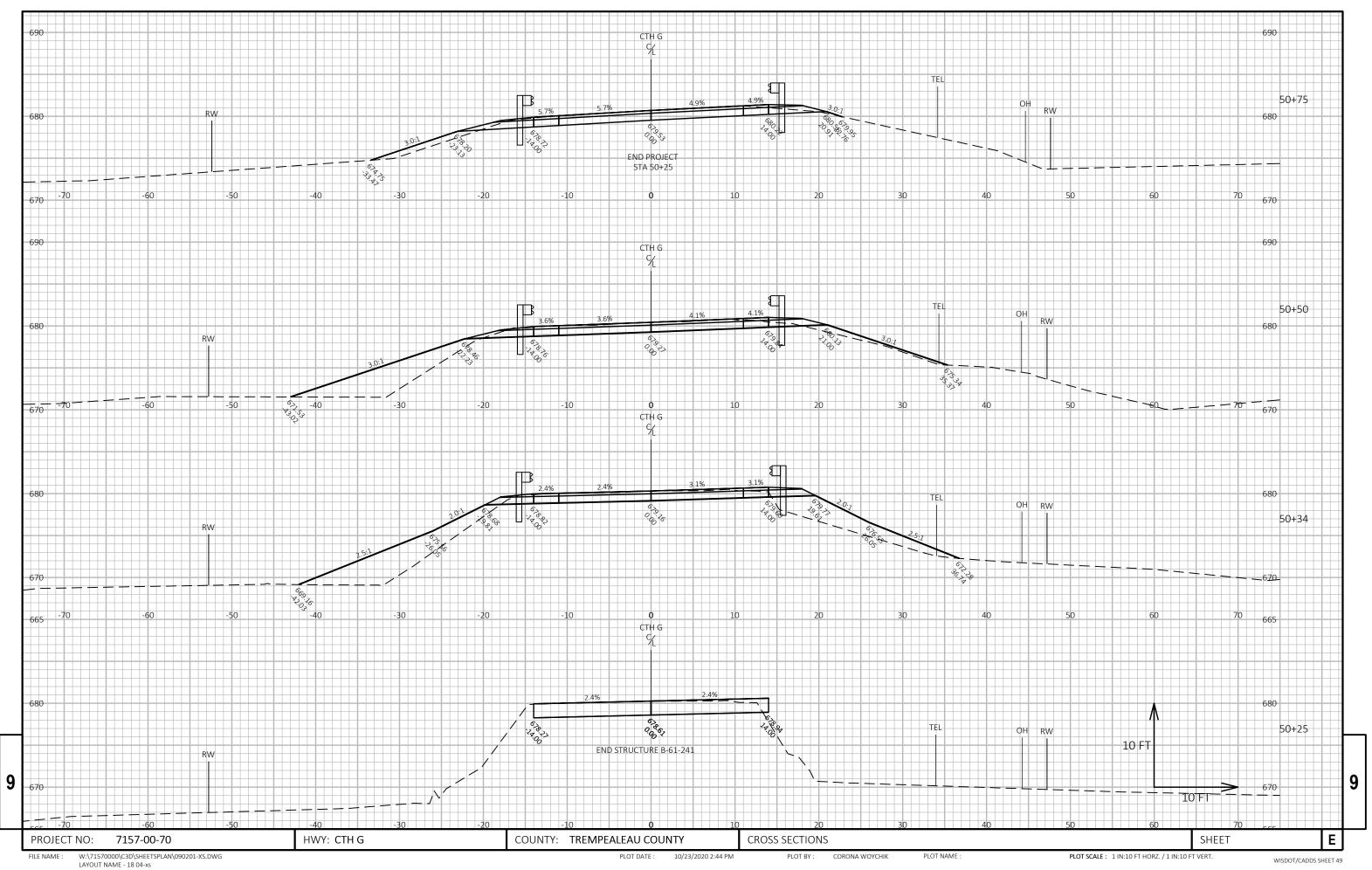


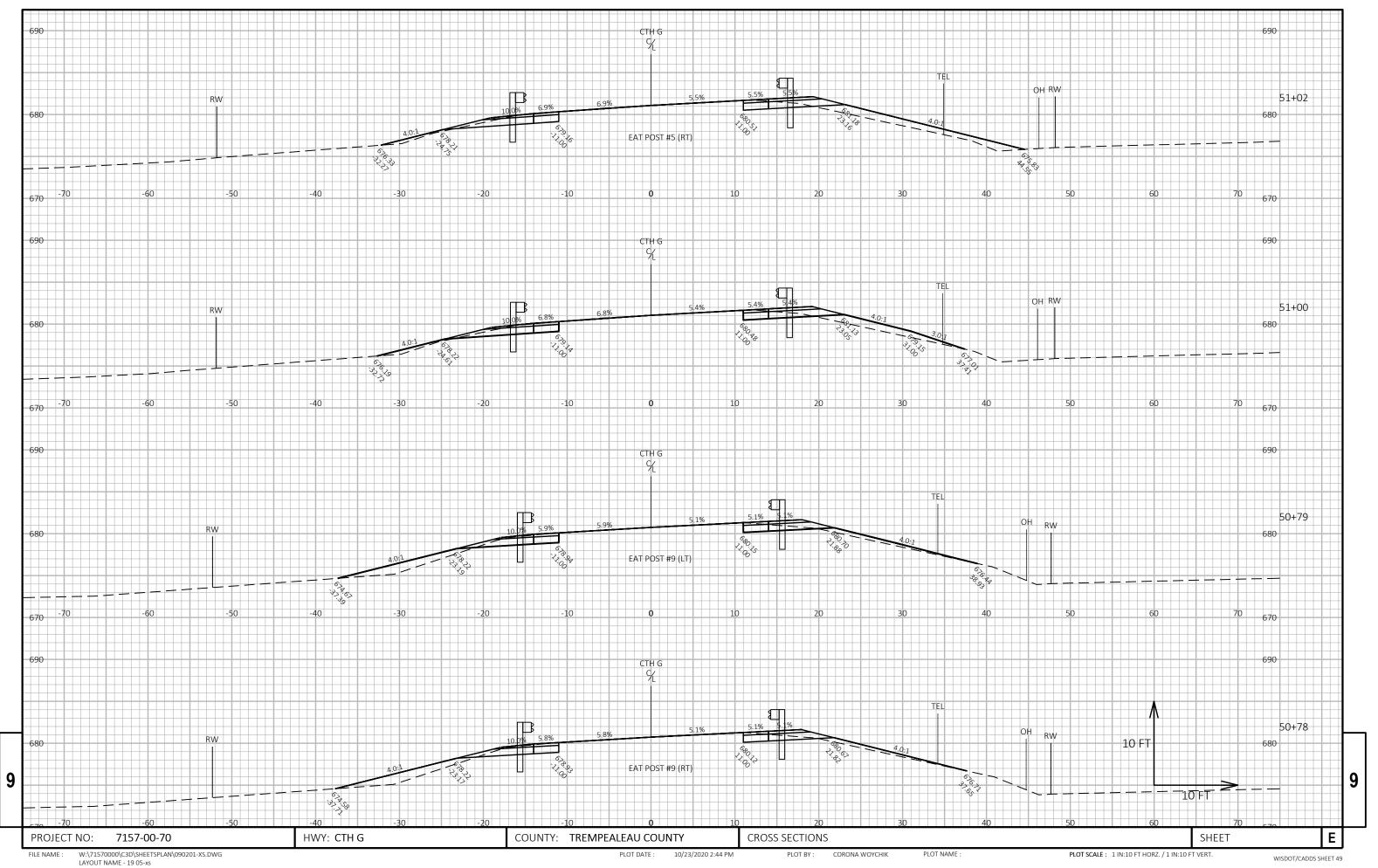


ENTOUT NAME - 1002-AS

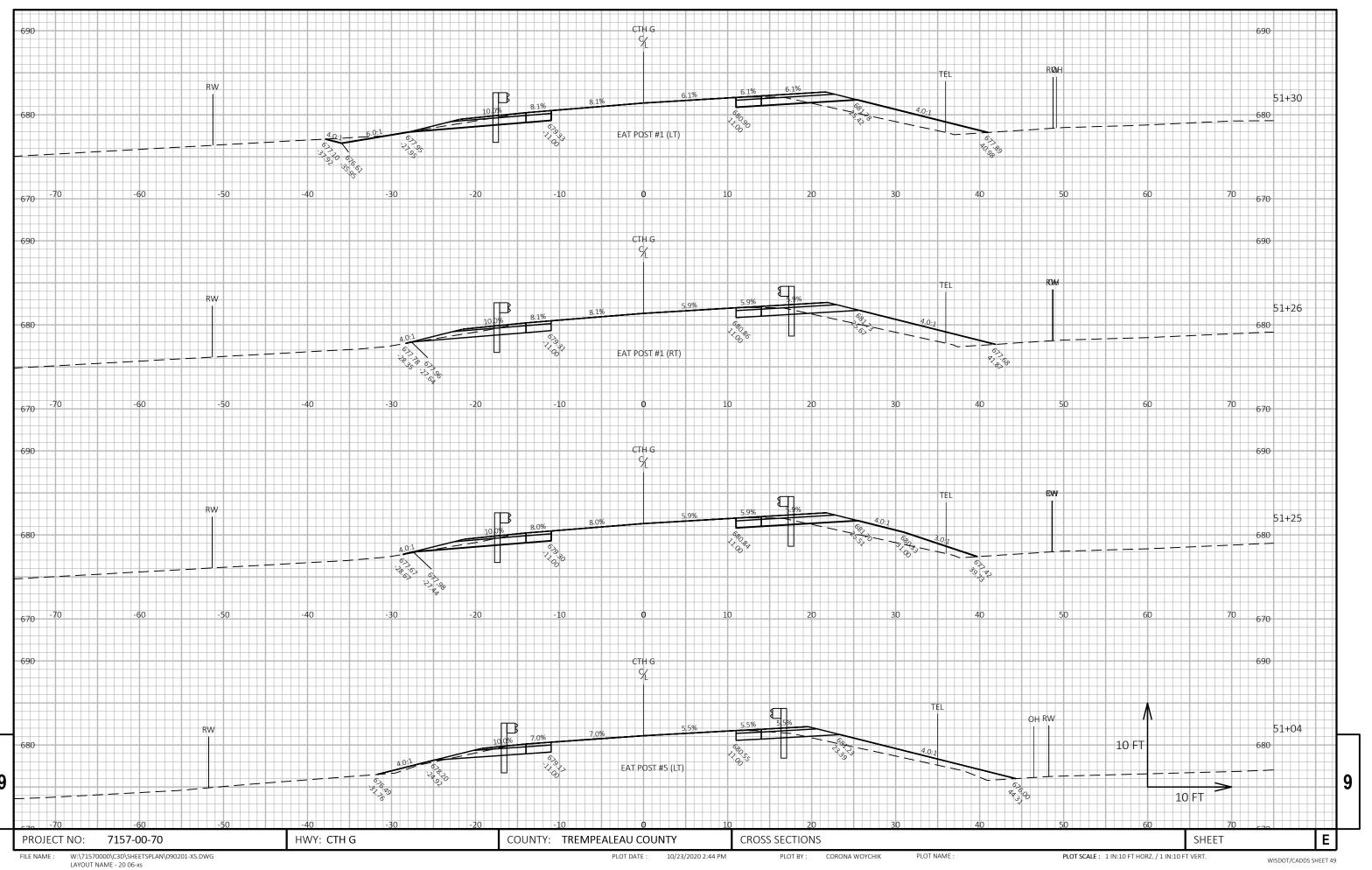


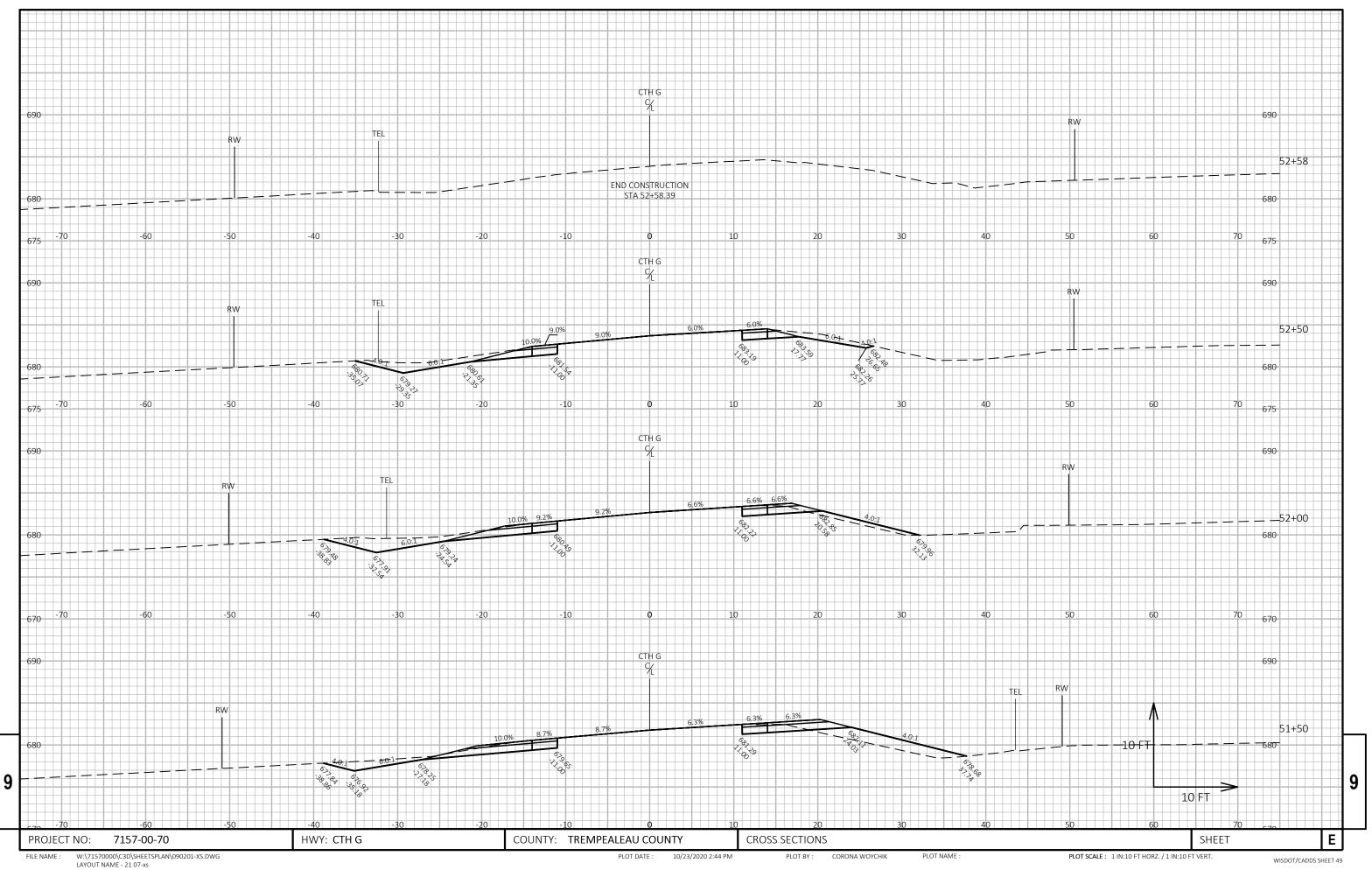
LAYUUT NAME - 17 U3-XS



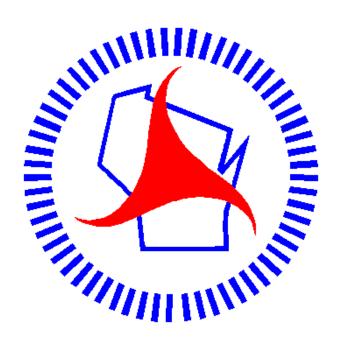


LATOUT NAME - 19 05-XS





Notes



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