#### FEBRUARY 2018 ORDER OF SHEETS

Section No. 1 Title

Section No. 2 Typical Sections and Details (Includes Erosion Control Plans)

Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
Section No. 4 Right of Way Plat -

Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates
Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 64

# STATE OF WISCONSIN

# DEPARTMENT OF TRANSPORTATION

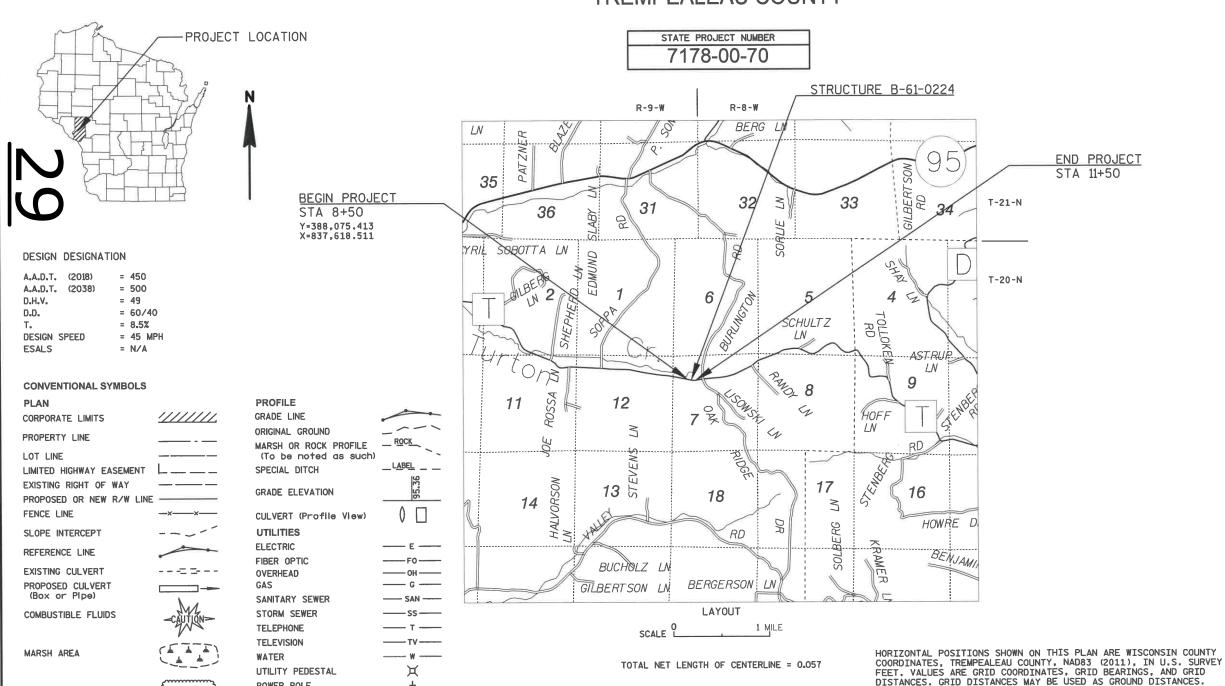
PLAN OF PROPOSED IMPROVEMENT

# **STH 95 - CTH D**

**TURTON CREEK BRIDGE B-61-0224** 

## CTH T

TREMPEALEAU COUNTY



STATE PROJECT

PROJECT CONTRACT

7178-00-70 WISC 2018101 1

ACCEPTED FOR TREMPEALEAU COUNTY

ORIGINAL PLANS PREPARED BY

ENGINEERING

ENGINEERING

KEVIN L.

MEYER

E-38309-006

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION
PREPARED BY

Surveyor Designer

Management Consultant KNIGHT E/A, INC.

APPROVED FOR THE DEPARTMENT

DATE: 7/25/17

MANAGEMENT CONSULTANT SIGNATURE

PLOT NAME :

PLOT BY : BOBBY JONES

TELEPHONE POLE

Е

CORRE, INC.

WOODED OR SHRUB AREA

ABUT AGG ASPH

AVG

AADT

BK BAD

BL or B/L BM BLK

BLK
BR
CL or C/L
CC
CH
CH BRG
CE
CONC
COOC

CR CR CABC CY or CUYD

CPCS CSAEW

CPRC C&G

DHV DIA

ELEC

FĂB

FTG FTMS

HÉS CWT

ML 0 MB NOM

NOR

NB PC PI PT

PCC PE

RL or RCAEW RT

SW SSB SPECS SF Or SQ FT SY Of SQ YD SDD STH STA SE TEL

R/W RD" SHLDR

UG VC VPI

₩В

ELEC EL OR ELEV ESALS EXC EBS EXP FF

FL or F/L Flow

LIN FT or LF

or M/L

<u>STANDARD ABBREVIATIONS</u>

ABUTMENT AGGREGATE ASPHALTIC

ANNUAL AVERAGE DAILY TRAFFIC

BACK BASE AGGREGATE DENSE

AVERAGE

BASE LINE

BL OCK

BENCH MARK

BRIDGE CENTER LINE

CONCRETE

CREEK CRUSHED

DRIVEWAY

EAST EASTBOUND

FIELD ENTRANCE

HEIGHT HIGH EARLY STRENGTH

POINT OF CURVATURE
POINT OF INTERSECTION
POINT OF TANGENCY PORTLAND CEMENT CONCRETE PRIVATE ENTRANCE

SQUARE FEET
SQUARE YARD
STANDARD DETAIL DRAWINGS
STATE TRUNK HIGHWAYS

VERTICAL POINT OF INTERSECTION

IRON PIPE OR PIN

MATCH LINE MESSAGE BOARD

RIGHT-OF-WAY

STATION SUPERELEVATION TELEPHONE

UNDERGROUND VERTICAL CURVE

WESTBOUND

SHOULDER SIDEWALK SOUTH SOUTHBOUND SPECIFICATIONS

LINEAR FOOT LUMP SUM MANHOLE

NOMINAL

NORMAL NORTH

FINISH GRADE FLASHING ARROW BOARD FLOW LINE

CENTER TO CENTER

COMMERCIAL ENTRANCE

COUNTY TRUNK HIGHWAY

CURB AND GUTTER
DEGREE OF CURVE
DESIGN HOUR VOLUME

CULVERT PIPE CORRUGATED STEEL CORRUGATED STEEL APRON END WALL

CRUSHED AGGREGATE BASE COURSE CUBIC YARD CULVERT PIPE CULVERT PIPE CULVERT PIPE REINFORCED CONCRETE

EASTBOUND
ELECTRIC
ELEVATION
EQUIVALENT SINGLE AXLE LOADS
EXCAVATION
EXCAVATION BELOW SUBGRADE

EXPANSION
FACE TO FACE OR FRONT FACE

FREEWAY TRAFFIC MANAGEMENT SYSTEM

RADIUS
REFERENCE LINE
REINFORCED CONCRETE APRON ENDWALL

CHORD BEARING

#### UTILITY CONTACTS

#### \* RIVERLAND ELECTRIC ENERGY COOPERATIVE

ELECTRIC ATTN: MR. JOSH ABRAMCZAK N 28988 STATE ROAD 93 P.O. BOX 277 ARCADIA, WI 54612

TELEPHONE: (608) 323-3381

E-MAIL: jabramczak@riverlandenergy.com

\* CENTURYLINK

COMMUNICATION ATTN: MR. BRIAN STELPLUGH 333 NORTH FRONT STREET LA CROSSE, WI 54601

TELEPHONE: (608) 796-5142 E-MAIL: brian.stelplugh@CenturyLink.

\* DENOTES UTILITIES THAT ARE DIGGERS HOTLINE MEMBERS



CONSULTANT CONTACT CORRE, INC. 1802 WARDEN STREET EAU CLAIRE, WI 54703

ATTN: MR. KEVIN MEYER, P.E. TELEPHONE: (715) 299-1894 E-MAIL: kmeyer@correinc.com

DNR LIAISON DEPARTMENT OF NATURAL RESOURCES

DNR SERVICE CENTER 3550 MORMON COULEE ROAD LA CROSSE, WI 546

ATTN: MS. KAREN KALVELAGE TELEPHONE: (608) 785-9115 E-MAIL: karen.kalvelage@wisconsin.gov COUNTY CONTACT

TREMPEALEAU COUNTY HIGHWAY COMMISSIONER DAVE LYGA PO BOX 97, N36258 CTH QQ, WHITEHALL, WI 54773

ATTN: MR. DAVE LYGA TELEPHONE: (715) 538-4799 E-MAIL: lygad@triwest.net

#### **GENERAL NOTES**

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO NAVD 88.

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

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOIL, FERTILIZED, AND SEEDED AND MULCHED. FINISHED SALVAGED TOPSOIL SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

4.5-INCH ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH 2 LIFTS. CONSISTING OF A 2.5-INCH LOWER LIFT AND 2.0 -INCH SURFACE LIFT.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER,

UTILITY REFERENCE LINES ON THE CROSS SECTIONS ARE FOR HORIZONTAL REFERENCE ONLY.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE E.C.I.P AND APPROVED BY THE ENGINEER IN THE FIELD.

#### RUNOFF COEFFICIENT TABLE

						HYDROLOGIC S	OIL GROL	JP				
		А			В			C	;		D	
	SLOPE	RANGE	(PERCENT)	SL0PE	RANGE	(PERCENT)	SLOPE	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:					ı			ı			ļ.	!
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS				·		.7585						
ROOFS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.43 ACRES

TOTAL PROJECT AREA = 0.45 ACRES

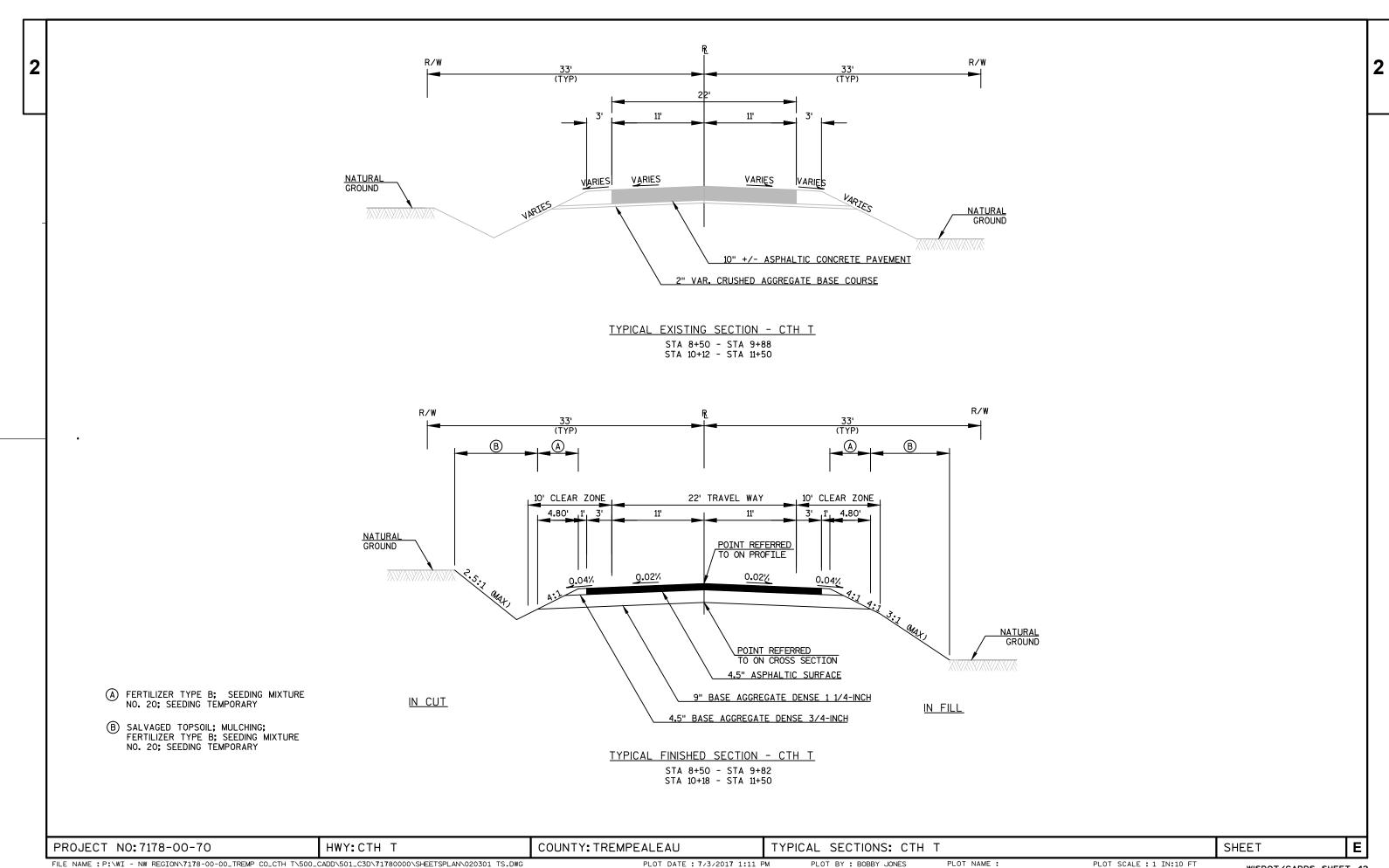
SHEET

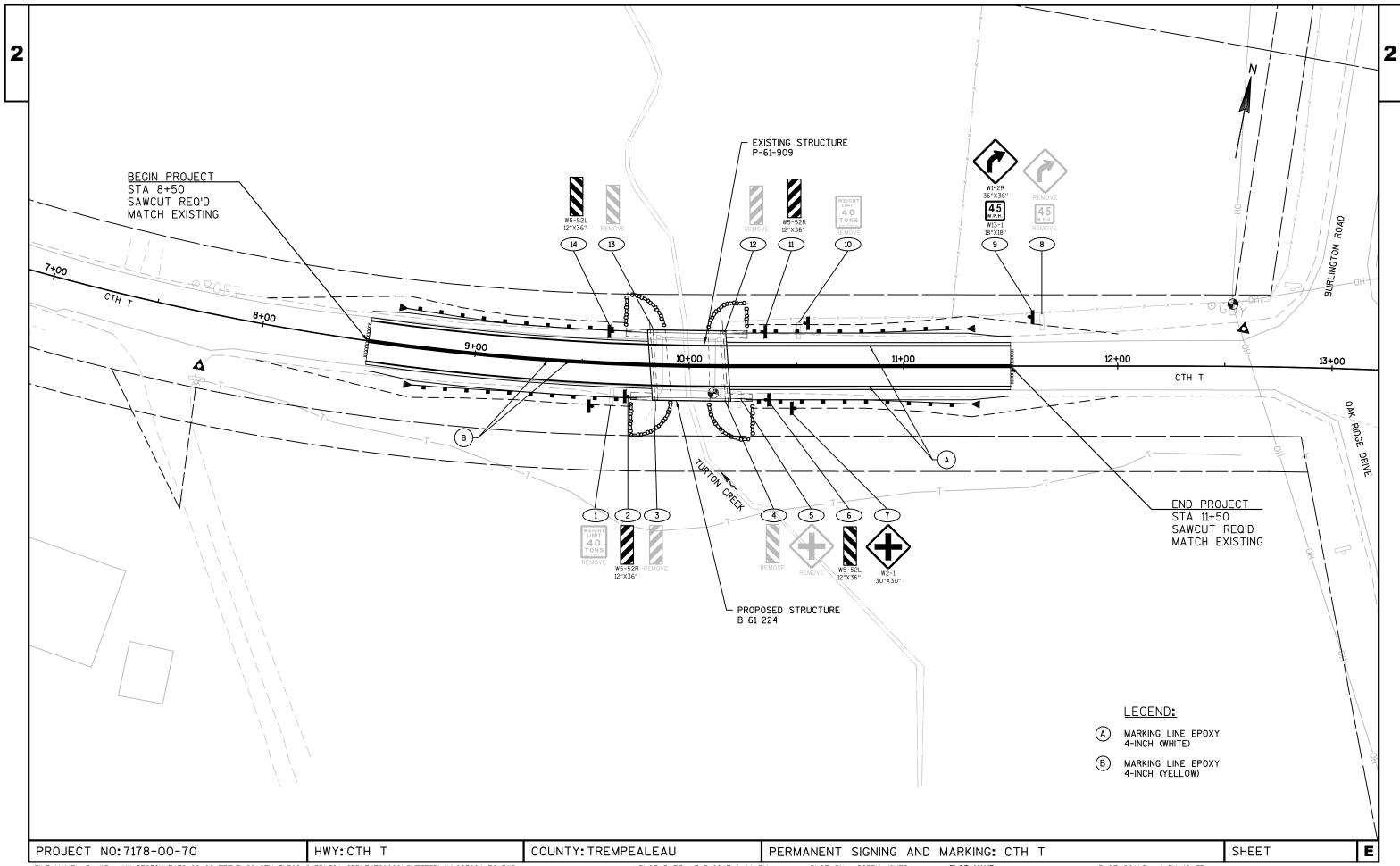
PROJECT NO: 7178-00-70

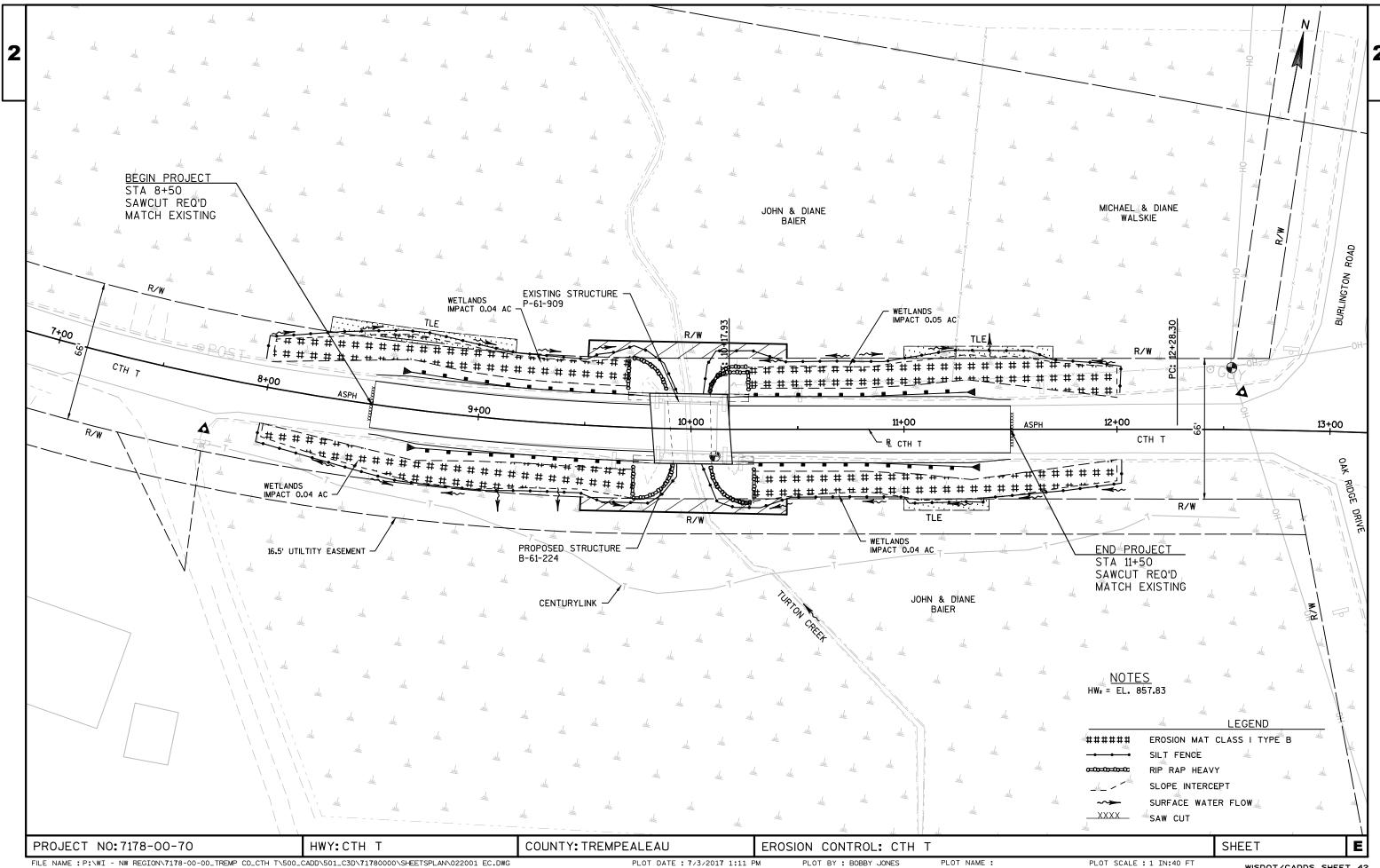
HWY: CTH T

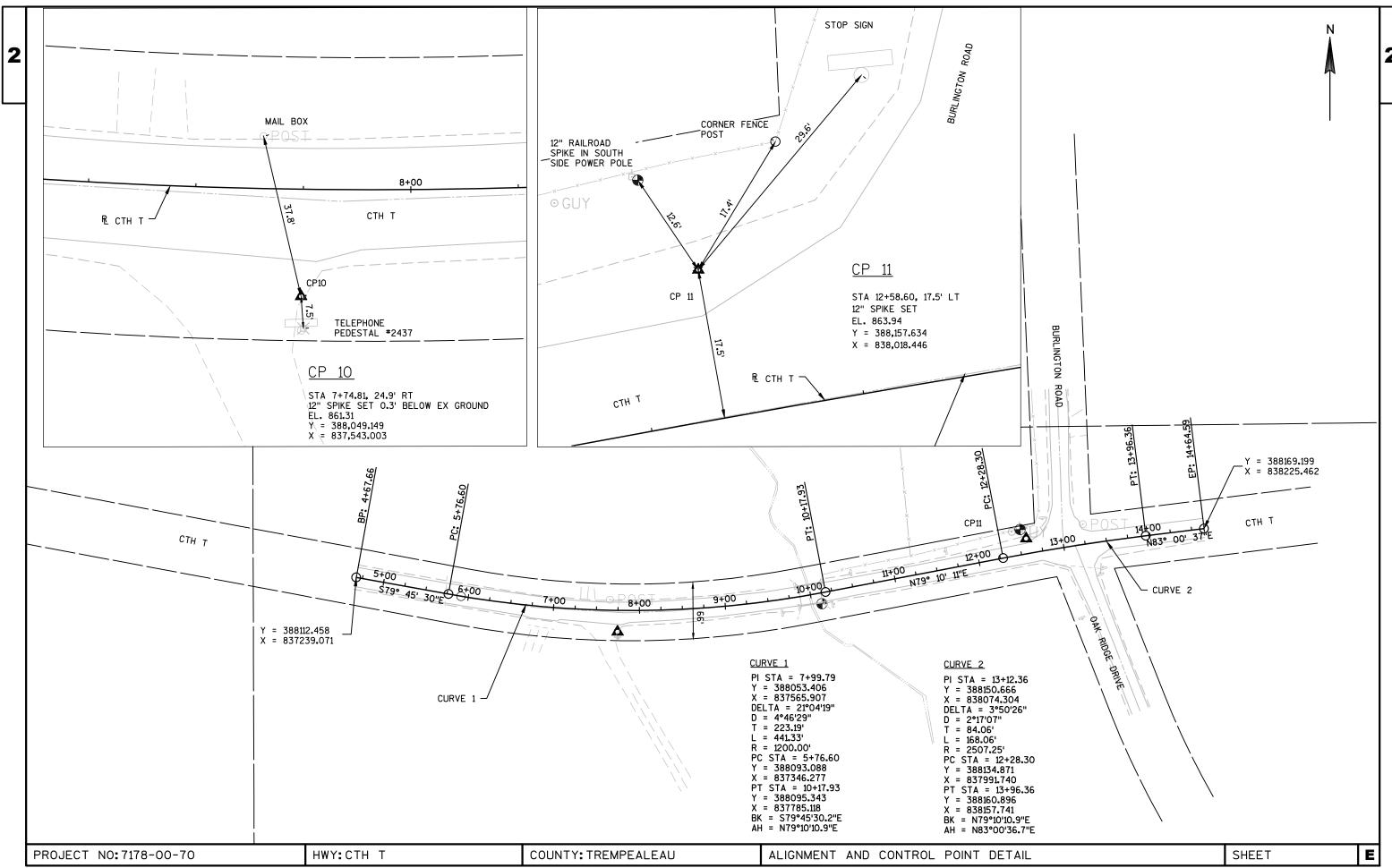
COUNTY: TREMPEALEAU

GENERAL NOTES: CTH T PLOT BY : ANDREW HUNTLEY, EIT PLOT NAME : Ε









### **Estimate Of Quantities**

7178_	$\cap \cap$	70

					7178-00-70
Line	Item	Item Description	Unit	Total	Qty
0002	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. STA 10+00	LS	1.000	1.000
0004	205.0100	Excavation Common	CY	325.000	325.000
0006	206.1000	Excavation for Structures Bridges (structure) 01. B-61-0224	LS	1.000	1.000
8000	208.0100	Borrow	CY	443.000	443.000
0010	210.1500	Backfill Structure Type A	TON	335.000	335.000
0012	213.0100	Finishing Roadway (project) 01. 7178-00-70	EACH	1.000	1.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	46.000	46.000
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	790.000	790.000
0018	455.0605	Tack Coat	GAL	50.000	50.000
0020	465.0105	Asphaltic Surface	TON	257.000	257.000
0022	502.0100	Concrete Masonry Bridges	CY	155.000	155.000
0024	502.3200	Protective Surface Treatment	SY	130.000	130.000
0024	502.3210	Pigmented Surface Sealer	SY	48.000	48.000
0028	505.0400	Bar Steel Reinforcement HS Structures	LB	4,240.000	4,240.000
0030	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	20,320.000	20,320.000
0030	516.0500	Rubberized Membrane Waterproofing	SY	20.000	20.000
0032	550.0500	Pile Points	EACH	10.000	10.000
0034	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	200.000	200.000
0038	606.0300	Riprap Heavy	CY	150.000	150.000
0038	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	190.000	190.000
0040	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	4.000	4.000
0042	614.0150	MGS Thrie Beam Transition	LF		
				156.000	156.000
0046	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0048	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7178-00-70	EACH	1.000	1.000
0050	619.1000	Mobilization	EACH	1.000	1.000
0052	624.0100	Water	MGAL	8.000	8.000
0054	625.0500	Salvaged Topsoil	SY	1,120.000	1,120.000
0056	627.0200	Mulching	SY	260.000	260.000
0058	628.1504	Silt Fence	LF	840.000	840.000
0060	628.1520	Silt Fence Maintenance	LF	840.000	840.000
0062	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0066	628.2004	Erosion Mat Class I Type B	SY	970.000	970.000
0068	628.6005	Turbidity Barriers	SY	80.000	80.000
0070	629.0210	Fertilizer Type B	CWT	0.700	0.700
0072	630.0120	Seeding Mixture No. 20	LB	20.000	20.000
0074	630.0200	Seeding Temporary	LB	30.000	30.000
0014	030.0200	Seeding remporary	LD	30.000	30.000

0120

ASP.1T0G On-the-Job Training Graduate at \$5.00/HR

				7178-00-70
Item	Item Description	Unit	Total	Qty
634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	2.000	2.000
637.2230	Signs Type II Reflective F	SF	29.500	29.500
638.2602	Removing Signs Type II	EACH	8.000	8.000
638.3000	Removing Small Sign Supports	EACH	8.000	8.000
642.5201	Field Office Type C	EACH	1.000	1.000
643.0300	Traffic Control Drums	DAY	275.000	275.000
643.0420	Traffic Control Barricades Type III	DAY	550.000	550.000
643.0705	Traffic Control Warning Lights Type A	DAY	825.000	825.000
643.0900	Traffic Control Signs	DAY	950.000	950.000
643.5000	Traffic Control	EACH	1.000	1.000
645.0111	Geotextile Type DF Schedule A	SY	90.000	90.000
645.0120	Geotextile Type HR	SY	190.000	190.000
646.1020	Marking Line Epoxy 4-Inch	LF	1,600.000	1,600.000
650.4500	Construction Staking Subgrade	LF	350.000	350.000
650.5000	Construction Staking Base	LF	350.000	350.000
650.6500	Construction Staking Structure Layout (structure) 01. B-61-0224	LS	1.000	1.000
650.9910	Construction Staking Supplemental Control (project) 01. 7178-00-70	LS	1.000	1.000
650.9920	Construction Staking Slope Stakes	LF	350.000	350.000
690.0150	Sawing Asphalt	LF	44.000	44.000
715.0502	Incentive Strength Concrete Structures	DOL	882.000	882.000
ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
	634.0612 634.0616 637.2230 638.2602 638.3000 642.5201 643.0300 643.0420 643.0705 643.0900 643.5000 645.0111 645.0120 646.1020 650.4500 650.5000 650.6500 650.9910 650.9920 690.0150 715.0502	634.0612 Posts Wood 4x6-Inch X 12-FT 634.0616 Posts Wood 4x6-Inch X 16-FT 637.2230 Signs Type II Reflective F 638.2602 Removing Signs Type II 638.3000 Removing Small Sign Supports 642.5201 Field Office Type C 643.0300 Traffic Control Drums 643.0420 Traffic Control Barricades Type III 643.0705 Traffic Control Warning Lights Type A 643.0900 Traffic Control Signs 643.5000 Traffic Control 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- 61-0224 650.9910 Construction Staking Supplemental Control (project) 01. 7178-00-70 650.9920 Construction Staking Slope Stakes 690.0150 Sawing Asphalt 715.0502 Incentive Strength Concrete Structures	634.0612 Posts Wood 4x6-Inch X 12-FT EACH 634.0616 Posts Wood 4x6-Inch X 16-FT EACH 637.2230 Signs Type II Reflective F SF 638.2602 Removing Signs Type II EACH 638.3000 Removing Small Sign Supports EACH 642.5201 Field Office Type C EACH 643.0300 Traffic Control Drums DAY 643.0420 Traffic Control Barricades Type III DAY 643.0705 Traffic Control Warning Lights Type A DAY 643.0900 Traffic Control Signs DAY 643.5000 Traffic Control Signs DAY 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 Subgrade LF 650.6500 Construction Staking Structure Layout (structure) 01. B- 61-0224 650.9910 Construction Staking Supplemental Control (project) 01. LS 7178-00-70 650.9920 Construction Staking Slope Stakes LF 690.0150 Sawing Asphalt LF 715.0502 Incentive Strength Concrete Structures	634.0612         Posts Wood 4x6-Inch X 12-FT         EACH         4.000           634.0616         Posts Wood 4x6-Inch X 16-FT         EACH         2.000           637.2230         Signs Type II Reflective F         SF         29.500           638.2602         Removing Signs Type II         EACH         8.000           638.3000         Removing Small Sign Supports         EACH         8.000           642.5201         Field Office Type C         EACH         1.000           643.0300         Traffic Control Drums         DAY         275.000           643.0420         Traffic Control Barricades Type III         DAY         550.000           643.0705         Traffic Control Warning Lights Type A         DAY         825.000           643.0900         Traffic Control Signs         DAY         950.000           643.5000         Traffic Control Signs         DAY         950.000           645.0111         Geotextile Type DF Schedule A         SY         90.000           645.0120         Geotextile Type HR         SY         190.000           646.1020         Marking Line Epoxy 4-Inch         LF         1,600.000           650.4500         Construction Staking Subgrade         LF         350.000           650.9910

300.000

HRS

300.000

#### 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) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
- (4) Salvaged/Unusable Pavement Material
- (5) Available Material = Cut Salvaged/Unusuable Pavement Material
- (6) Expanded Fill Factor = 1.25
- (7) 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.

	BASE AGGR	EGATE DENSE		ASPHALT	IC ITEMS	
		305.0110 BASE AGGREGATE DENSE 3/4-INCH	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH		455.0605 TACK COAT	,
STATION - STATION	LOCATION	TON	TON	STATION - STATION LOCATIO	N GAL	
CATEGORY CODE 0010				CATEGORY CODE 0010		•
8+00 - 8+50	WIDENING	5	47	8+00 - 8+50 WIDENIN	G 2	
8+50 - 9+75	MAINLINE	13	328	8+50 - 9+75 MAINLIN	E 23	
10+25 - 11+50	MAINLINE	13	328	10+25 - 11+50 MAINLIN	Ξ 23	
11+50 - 12+00	WIDENING	5	47	11+50 - 12+00 WIDENIN	G 2	
	UNDISTRIBUTED	10	40	т	OTALS 50	
	TOTALS:	46	790			

STATION - STATION CATEGORY CODE 0010	LOCATION	614.2500 THRIE BEAM TRANSITION LF	614.2610 TERMINAL EAT EACH
8+77 - 9+63	LT	39	1
8+77 - 9+63	RT	39	1
10+34 - 11+22	LT	39	1
10+34 - 11+22	RT	39	1
	TOTALS	156	4

MGS GUARDRAIL ITEMS

CATEGORY	<b>619.1000</b> EACH
0010	0.2
0020	0.8
TOTALS	5 1

**MOBILIZATION** 

· · · · · · · · · · · · · · · · · · ·	
LOCATION	<b>624.010</b> MGAL
CATEGORY CODE 0010	
BASE COMPACTION	8
BAGE COIVII ACTION	
TOTALS	8

**WATER** 

PROJECT NO: 7178-00-70 HWY: CTH T COUNTY: TREMPELEAU MISCELLANEOUS QUANTITIES SHEET NO: E

3	8+00 - 8+00 - 10+25 - 1	9+75 LT 9+75 RT 2+00 LT 2+00 RT	625.0500 SALVAGED TOPSOIL SY 240 240 290 350	627.0200  MULCHING SY  60 40 80 80 260	628.2004 EROSION MAT CLASS I TYPE B SY 200 220 220 250 300 970	FERTILIZER SI	630.0120 SEED MIX NO. 20 LBS 4 4 5 6	630.0200 SEED TEMPORARY LBS 6.5 6.5 7.8 9.5	CATE	3+00 - 9 3+00 - 9	ATION LOCATIO 0010 0+75 LT 0+75 RT 2+00 LT	210 210 210 210	HAINTENAN LF  210 210 210 210 210 210 210		LOC CATEGOR	TUF BA CATION Y CODE 0020 ABUTMENT ABUTMENT	8.6005 BBIDITY RRIER SY 40 40	_
		D10 RT 2	SIGN CODE SIZE W5-52R 12" X 3	36" 1	OOD POSTS WO	SIGNS TYPE REFLECTIVE SF	ΕII			SIGN	638.2602 REMOVING S TYPE II	GNS REM	638.3000 TOVING SMALL GN SUPPORTS	_	- STATION L	NTROL MOBILIZ/ 628.1905 EROSION CONTROL OCATION EACH	628.1910 EMERGENC EROSION	Y
	10+30 F 10+30 L 10+50 F 11+60 L	T 14 RT 6 .T 11 RT 7 .T 9 .T 9	W5-52L 12" X 3 W5-52L 12" X 3 W5-52R 12" X 3 W2-1 30" X 3 W13-1 18" X 2 W1-2R 36" X 3	36" 1 36" 1 30"	  1 1 	3.00 3.00 3.00 6.25 2.25 9.00		9+65 9+85 9+85 10+15 10+15 10+25	RT LT RT RT LT	NUMBER  1 13 3 12 4 5 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	PR	OJECT .	TOTALS 2	2 <b>2</b>	_
	LOCATION CATEGORY CODE 0010	643.0300 DRUMS EACH DAYS	643.0420 BARRICADES TYPE III EACH DAYS	643.0705 WARNING LIGHTS TYPE A	643.0900 SIGNS EACH DAYS	643.5000 Traffic contr Each	ROL	10+50 11+65	TOTAL	8	8		8		STATI	Y CODE 0010	690.0150 ASPHALT LF	- -
	PROJECT TOTALS	4 275 <b>275</b>	8 550 <b>550</b>	12 825 <b>825</b>	14 950 <b>950</b>	1									11+5		22	-
			MARKING LINE	ITEMS							<u></u>	ONSTRUC	TION STAKING I	TEMS				
		STATION - STA	0010	MARKING 4-I WHITE	6.102 LINE EPOXY NCH YELLOW LF			CATEGO	ION - STATIC DRY CODE 001 00 - 9+75	0	CATION AINLINE	650.4500 STAKING SUBGRADE LF	STAKING	CAT 0020 650.6500 STRUCTURE LAYOUT LS	650.9910 SUPPLEMEN CONTRO LS	ITAL SLOPE	_	
		8+00 - 12 8+00 - 12	2+00 EDGELINE	E 800 ALS 800	800  800				25 - 12+00		AINLINE AINLINE TOTALS	175 175 <b>350</b>	175 175 <b>350</b>	1	1	175 175 <b>350</b>		
ŀ	PROJECT NO:	7178-00-	-70		HWY: CT	Н Т		COUNTY:	TREMPEL	.EAU		MISCELL	ANEOUS QUA	ANTITIES		SHEET NO:		Ε

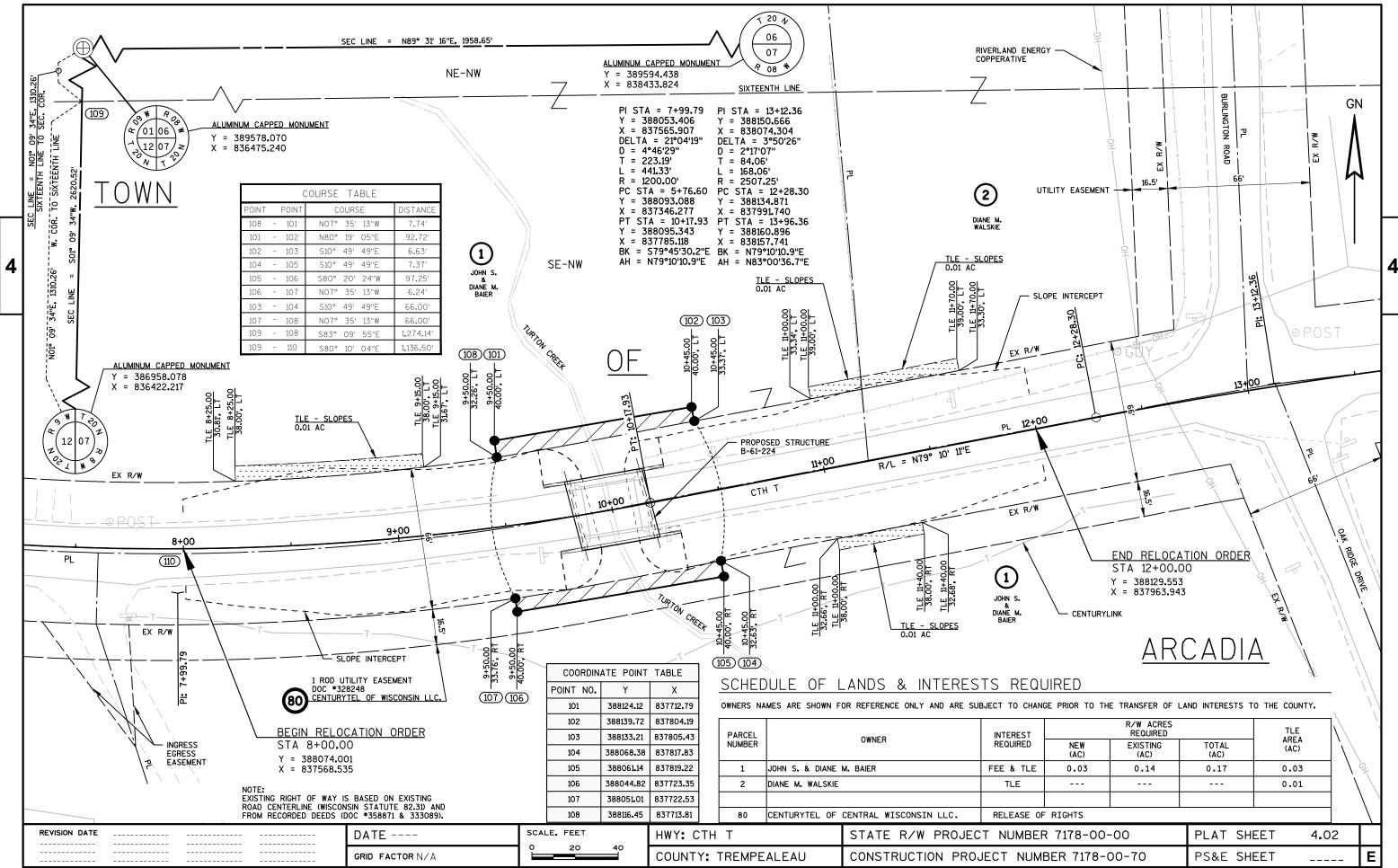
PLOT NAME : \_\_\_\_\_

PLOT SCALE: 1:1

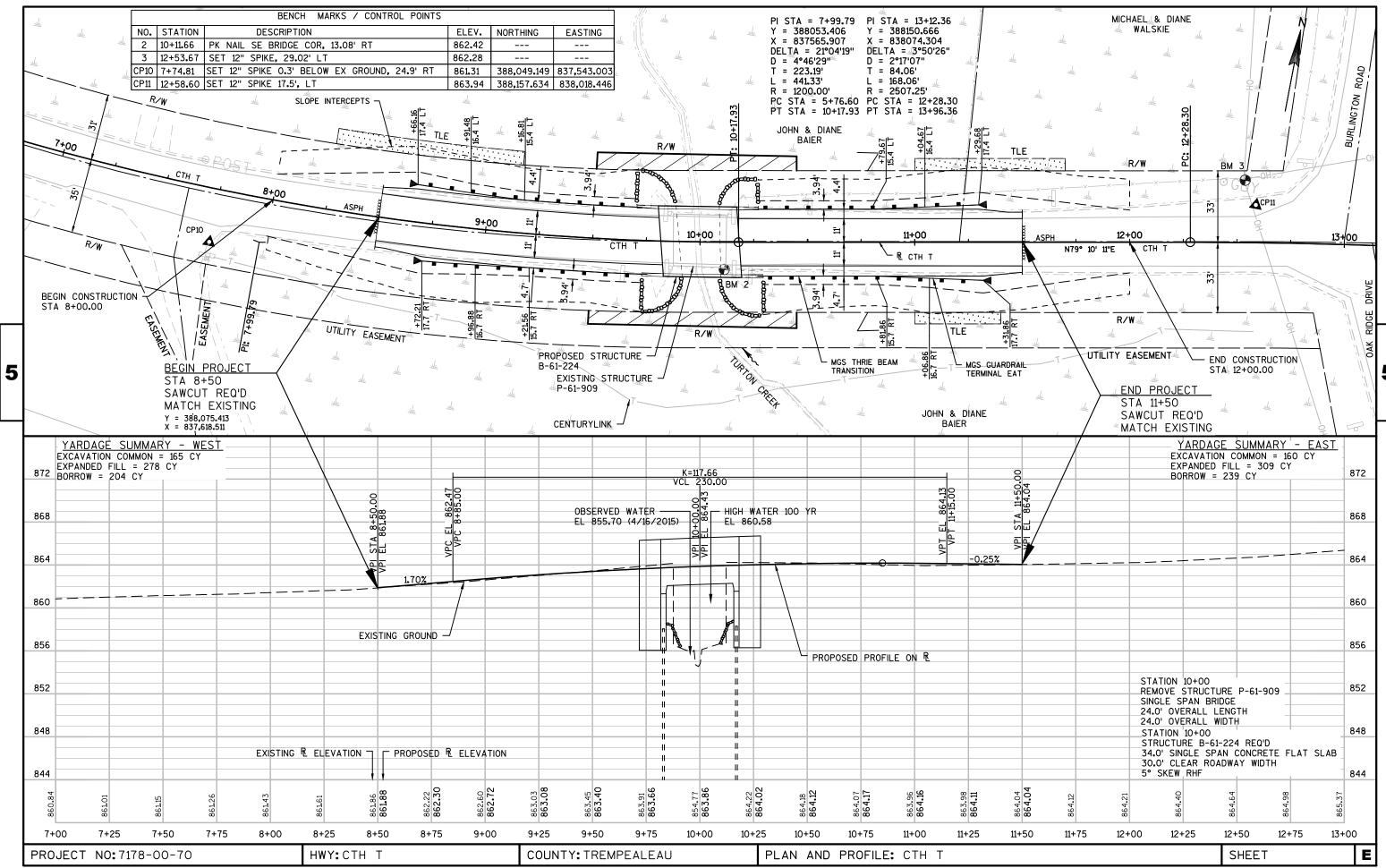
FILE NAME: S:\Projects\NW\Eau Claire County\CTH HH\300\_Design\305\_Quantities\305.3\_Final

CONVENTIO	NAL SYMBOLS		R/W PROJECT NUM 7178-00-0	
SECTION LINE	SECTION (1) R/W MONUMENT (TO BE SET)		R/W PROJECT NUM	
QUARTER LINE	SECTION CORNER (23/24) (TO BE SET) (TO BE	CAUTION	PLAT OF RI	IGHT OF WAY REQUIRED FOR
SIXTEENTH LINE  NEW REFERENCE LINE	SECTION CORNER FOUND IRON PIN IP	THIS PLAT IS FOR ILLUSTRATIVE PURPOSES  ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES.		H 95 - CTH D
NEW R/W LINE ————————————————————————————————————	GEODETIC SURVEY MONUMENT	FROPERII BUUNDARIES.		EK BRIDGE B-61-0224
PROPERTY LINE P-L:	SIXTEENTH CORNER MONUMENT  SIGN  SIGN  SIGN  SIGN  SIGN  SIGN		стн т	TREMPEALEAU COUNTY
MINOR LINES			CONSTRUCTION PROJECT	NUMBER 7178-00-70
SLOPE INTERCEPT CORPORATE LIMITS	ELECTRIC POLE  TELEPHONE POLE  COMPENSABLE  NON-COMPENSABLE  L			
UNDERGROUND FACILITY —— W —— (COMMUNICATIONS, ELECTRIC, ETC)	PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	·		
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	ACCESS RESTRICTED BY ACQUISITION	R-9-W R-8-W		
TEMPORARY LIMITED EASEMENT AREA	NO ACCESS (BY STATUTORY AUTHORITY)			
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	ANDRE LN 29 28 10 NOT 1 10 NOT		
TRANSMISSION STRUCTURES ————————————————————————————————————	PARCEL NUMBER (25) UTILITY NUMBER (40)	LIAN IN BERG IN		
BUILDING TO BE REMOVED		JAN LIV		
BRIDGE	PARALLEL OFFSETS		21-N	
CONVENTIONAL	ABBREVIATIONS	32 3 33		
ACCESS RIGHTS AR ACRES AC	POINT OF INTERSECTION PI PROPERTY LINE PL			
AHEAD AH ALUMINUM ALUM	RECORDED AS (100') REEL / IMAGE R/I	CYRIL SOBOTTA LN & B	 BEGIN RELOCATION ORDER	
AND OTHERS ET AL BACK BK	REFERENCE LINE R/L REMAINING REM		STA 8+00.00 ,093.29' EAST AND 1,504.06' SOUTH	CODDE
BLOCK BLK CENTERLINE C/L	RESTICTIVE DEVELOPMENT RDE EASEMENT	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	F THE NORTHEAST CORNER, SEC 7,	
CERTIFIED SURVEY MAP CSM CONCRETE CONC COUNTY CO	RIGHT RT RIGHT OF WAY R/W SECTION SEC	SCHULTZ ROLL ASTRUP		
COUNTY TRUNK HIGHWAY CTH DISTANCE DIST	SEPTIC VENT SEPV SQUARE FEET SF			1802 WARDEN STREET EAU CLAIRE, WI 54703
CORNER COR DOCUMENT NUMBER DOC	STATE TRUNK HIGHWAY STH STATION STA		-20 <b>-</b> N	(608)828-1011 www.correinc.com
EASEMENT EASE EXISTING EX	TELEPHONE PEDESTAL TP TEMPORARY LIMITED TLE			
GAS VALVE GV GRID NORTH GN	EASEMENT TRANSPORTATION PROJECT TPP	7 F HOFF W		
HIGHWAY EASEMENT HE IDENTIFICATION ID LAND CONTRACT LC	PLAT UNITED STATES HIGHWAY USH VOLUME V	S S E	ND DELOCATION OPDED	
LEFT LT MONUMENT MON		13 b 18 17 16 16 16 16 16 16 16 16 16 16 16 16 16	ND RELOCATION ORDER TA 12+00.00 488.70' EAST AND 1.448.52' SOUTH	
NATIONAL GEODETIC SURVEY NGS NUMBER NO	CURVE DATA LONG CHORD LCH	14 § 00 00 10 10 10 10 10 10 10 10 10 10 10	F THE NORTHEAST CORNER, SEC 7, -20-N, R-08-W	
OUTLOT OL PAGE P	LONG CHORD BEARING LCB RADIUS R	RD P HOWRE DF		
POINT OF TANGENCY PT PERMANENT LIMITED PLE EASEMENT	DEGREE OF CURVE D CENTRAL ANGLE Δ/DELTA LENGTH OF CURVE L	AE.		
POINT OF BEGINNING POB POINT OF CURVATURE PC	TANGENT T DIRECTION AHEAD DA			I, BRYON J. MOTSZKO, REGISTERED LAND SURVEYOR,
POINT OF COMPOUND CURVE PCC NOTES:	DIRECTION BACK DB	LAYOUT		S-2846, HEREBY CERTIFY THAT I HAVE SURVEYED THE LAND DESCRIBED HEREON AND THAT THE MAP HEREON IS A CORRECT REPRESENTATION OF THAT SURVEY TO THE
POSITIONS SHOWN ON THIS PLAT ARE W		BOLS		BEST OF MY KNOWLEDGE AND BELIEF.
REFERENCE SYSTEM COORDINATES (WISC COUNTY, NAD 83 (2011) IN US SURVEY GRID COORDINATES, GRID BEARINGS, A	Y FEET. VALUES SHOWN ARE GAS AND GRID DISTANCES. GRID TELEPHONE	TOTAL NET LENGTH OF CENTERLINE = 0.076 MI		DATE: (Signature)
DISTANCES MAY BE USED AS GROUND DI RIGHT OF WAY MONUMENTS ARE REBAR	ISTANCES. OVERHEAD TRANSMISSION L AND ARE PLACED PRIOR FLECTRIC	——————————————————————————————————————	REVISION DATE	TREMPEALEAU COUNTY
TO OR AT THE TIME OF LAND TITLE TF	RANSFER. CABLE TELEVISIO FIBER OPTIC	N — TY—— ——F0——		APPROVED FOR THE COUNTY
PERIMETER OF THE HIGHWAY LANDS REF PUBLIC LAND SURVEY OR OTHER SURVEY	FERENCED TO THE U.S. STORM SEWER	——		DATE: (Signature)

PLOT BY : BOBBY JONES



PLOT BY : BOBBY JONES



# Standard Detail Drawing List

08E09-06	SILT FENCE
08E11-02	TURBI DI TY BARRI ER
12A03-10	NAME PLATE (STRUCTURES)
14B42-04A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-04C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-04A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-04D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C06-08	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-17A	LONGITUDINAL MARKING (MAINLINE)

# TYPICAL APPLICATION OF SILT FENCE

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# PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



#### **GENERAL NOTES**

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

- $\bigcirc$  HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 /S/ Beth Cannestra

29-05 /S/ Beth Cannestra
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

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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.





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  $\infty$ 

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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

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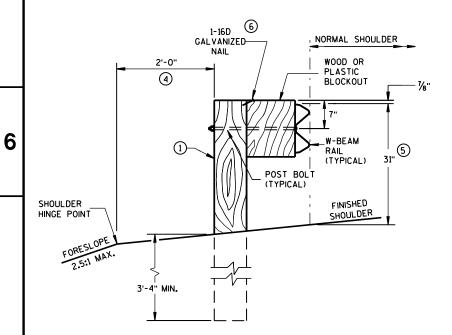
3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

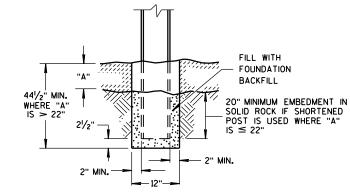
3-10

- 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 21/2 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.
- WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- (5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ± 1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 273/4" 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** 

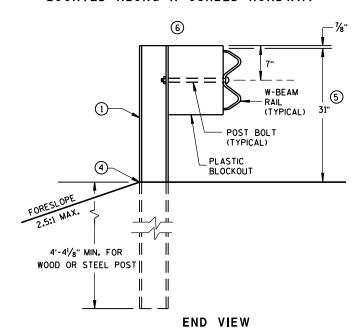
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



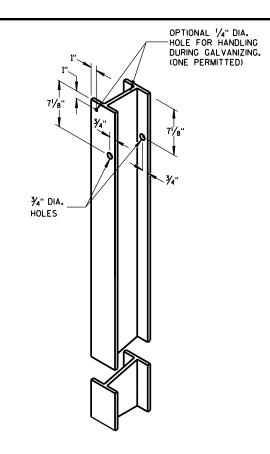
**END VIEW** SETTING STEEL OR WOOD POST IN ROCK 3



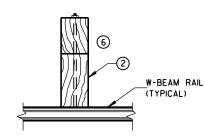
**END VIEW** LOCATED ALONG A CURBED ROADWAY



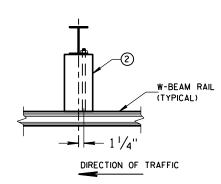
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



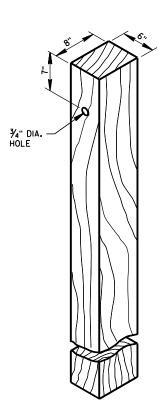
STEEL POST & HOLE PUNCHING DETAIL (w6X9)<sup>①</sup>



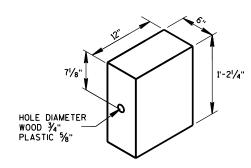
**PLAN VIEW** WOOD POST, **BLOCKOUT & BEAM** 



**PLAN VIEW** STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



WOOD OR PLASTIC BLOCKOUT

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

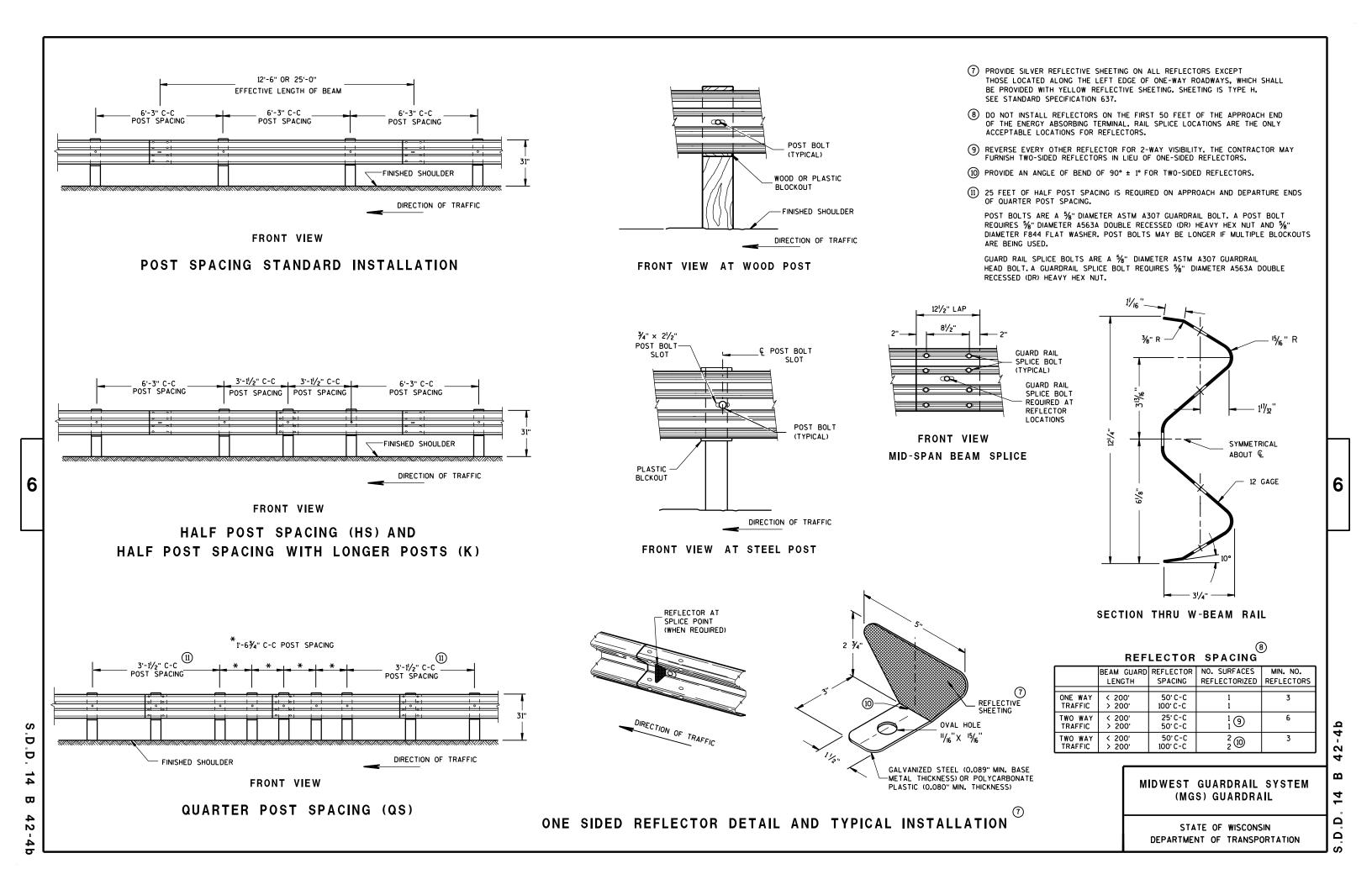
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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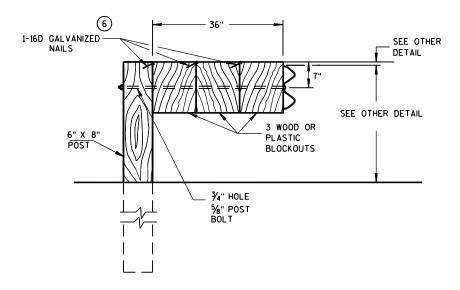
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#### DETAIL FOR 16" BLOCKOUT DEPTH

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.

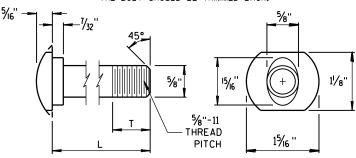


#### DETAIL FOR 36" BLOCKOUT DEPTH

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.

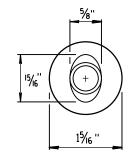
> DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

NOTE: 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 1/16". 2. IF THE BOLT EXTENDS MORE THAN 1/4" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

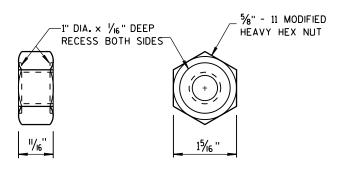


POST BOLT TABLE

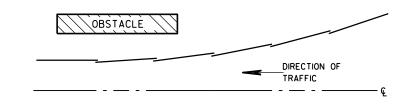
11/8"
-70
13/4"
4"
4½ <sub>6</sub> "
4"
41/16"
4"



ALTERNATE BOLT HEAD

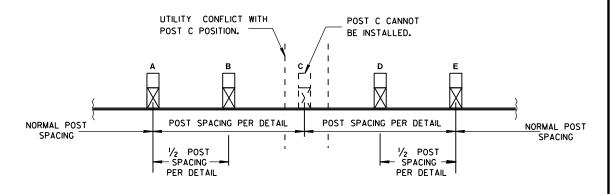


POST BOLT, SPLICE BOLT AND RECESS NUT



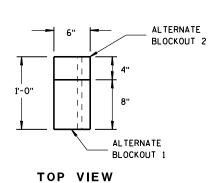
#### **PLAN VIEW**

#### **BEAM LAPPING DETAIL**



#### POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

#### ALTERNATE WOOD **BLOCKOUT DETAIL**

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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# SECTION A-A SECTION B-B

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PLAN VIEW

#### BILL OF MATERIALS

PART NO.	DESCRIPTION  MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
1	WOOD BREAKAWAY POST
2	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1AND 2
3	WOOD CRT
4	WOOD BLOCKOUT
(5)	PIPE SLEEVE
6	BEARING PLATE
7	BCT CABLE ASSEMBLY
8	ANCHOR CABLE BOX
9	GROUND STRUT
10	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
(11)	STANDARD W-BEAM RAIL.MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
12	END SECTION EAT
(3)	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
14)	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

44-2b

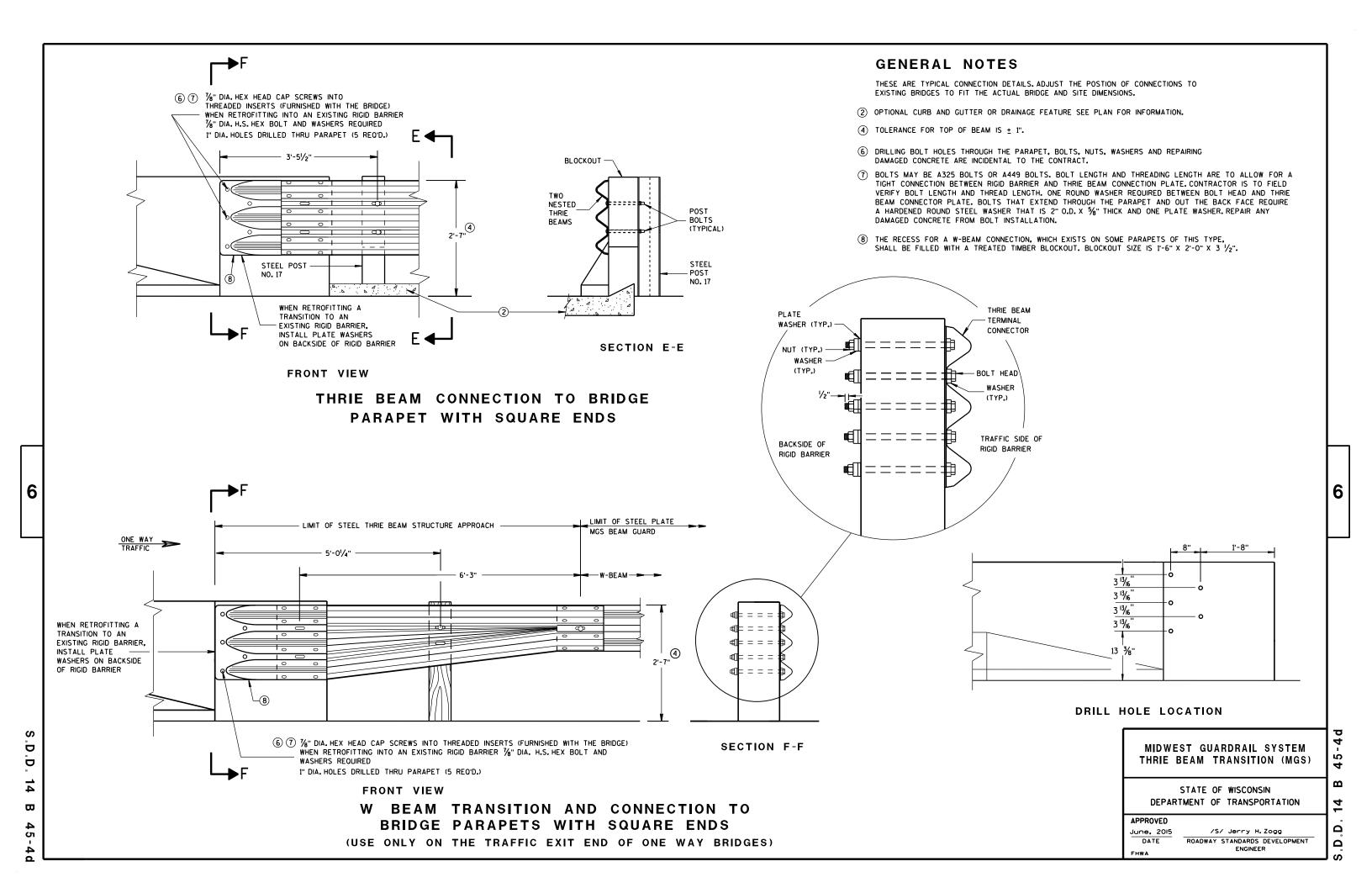
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## ROAD CLOSURE BARRICADE DETAIL

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

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

"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, 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". (30" X 15" 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
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 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.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

#### BARRICADES AND SIGNS FOR MAINLINE CLOSURES

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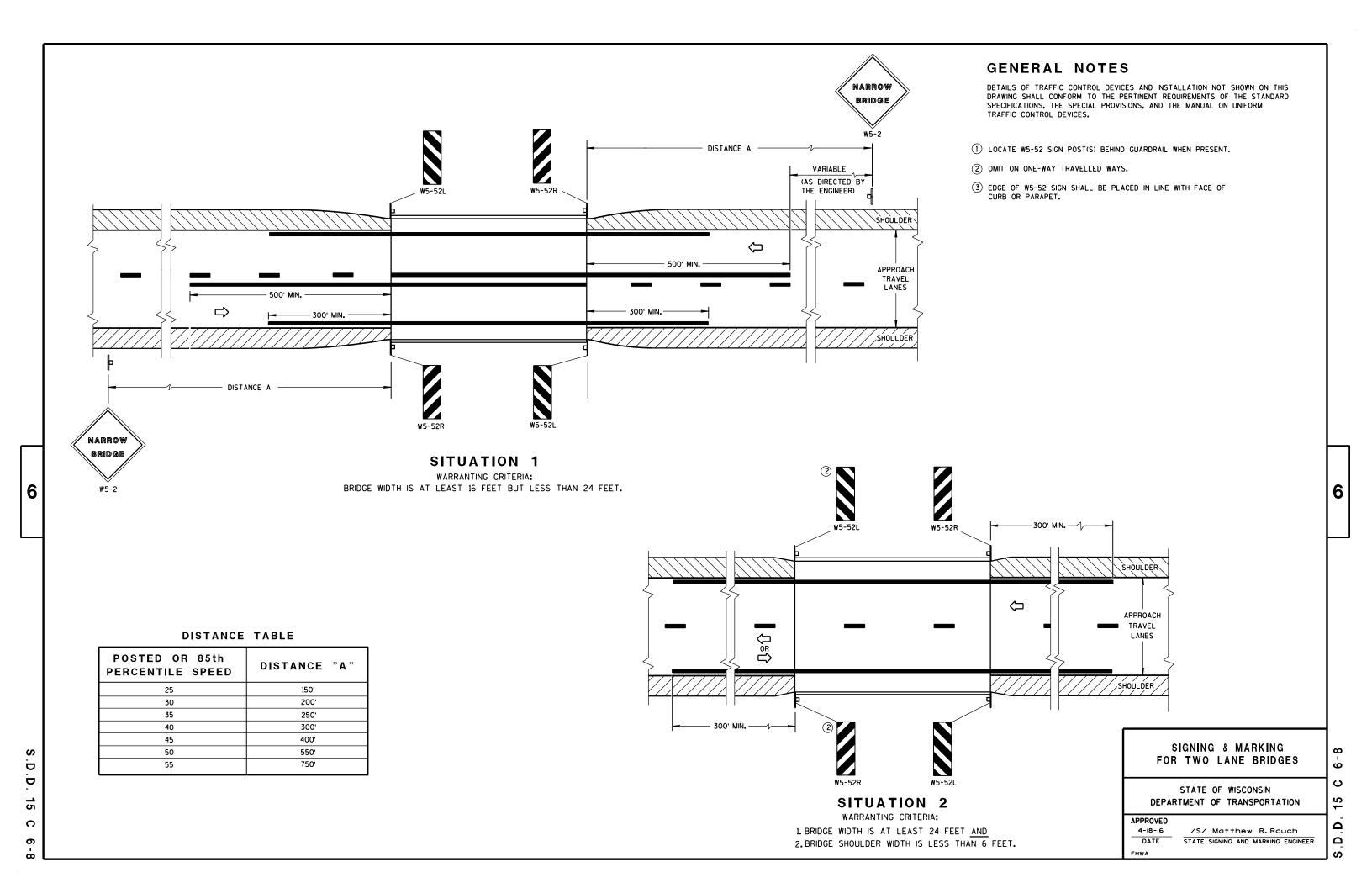
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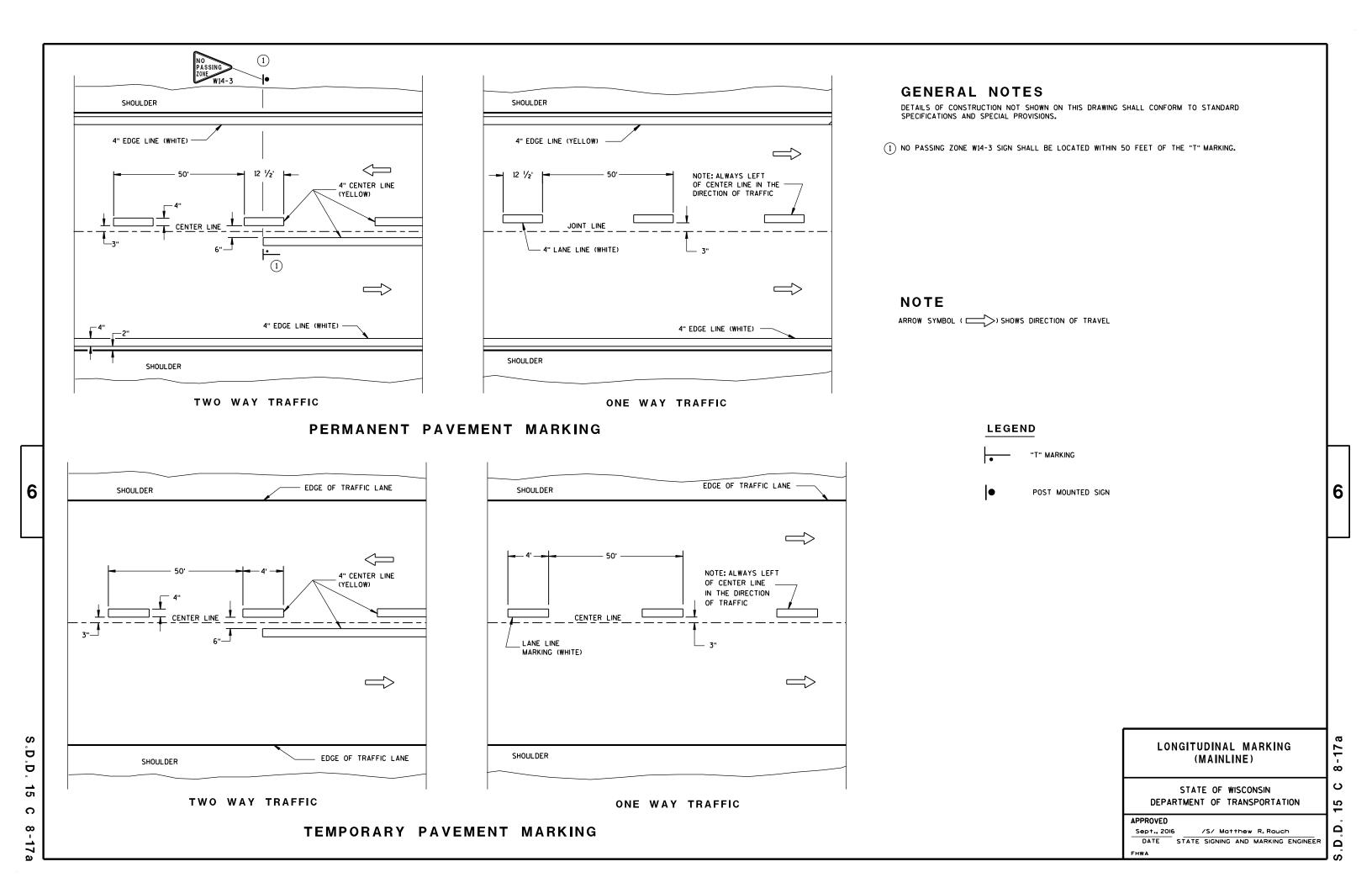
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

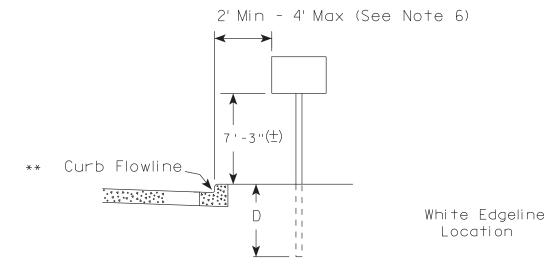
/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

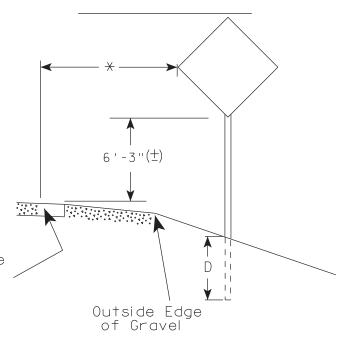




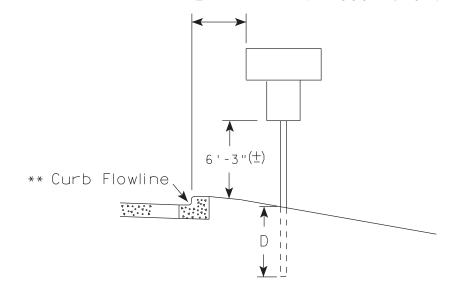
# URBAN ARFA



RURAL AREA (See Note 2)



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



5'-3"(生) White Edgeline D IILocation Outside Edae of Gravel

PLOT DATE: 23-JUL-2015 15:21

\*\* 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.

#### 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 barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is  $7'-3''(\pm)$  or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is  $7'-3''(\pm)$  or  $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' (\pm)$ .
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' ( $\pm$ ) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3"  $(\pm)$ . 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'' ( $\pm$ ).

#### 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 7/23/15

PLATE NO. <u>A4-3.20</u>

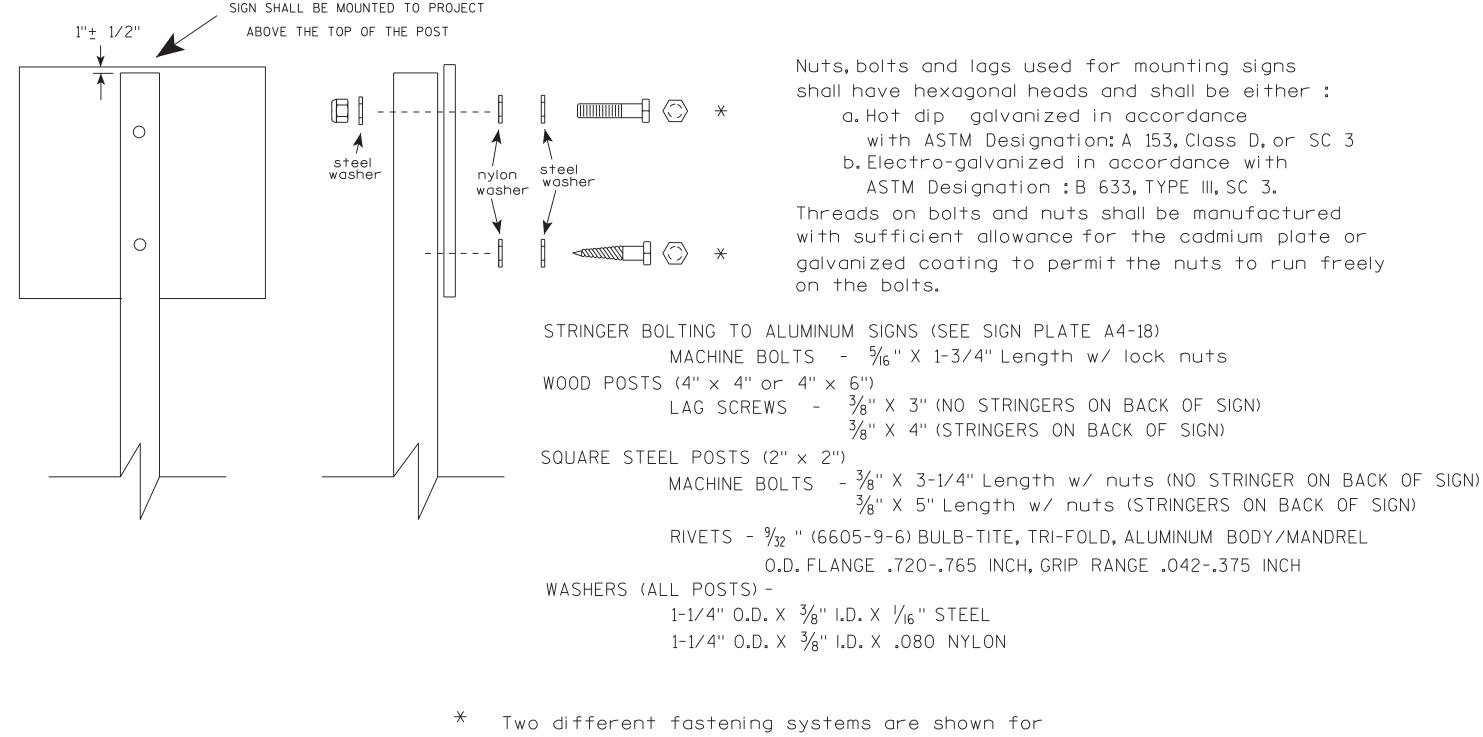
SHEET NO:

PROJECT NO:

COUNTY:

PLOT BY : mscj9h

PLOT SCALE: 99.237937:1.000000



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

For State Traffic Engineer

DATE 8/11/16

CHEET NO.

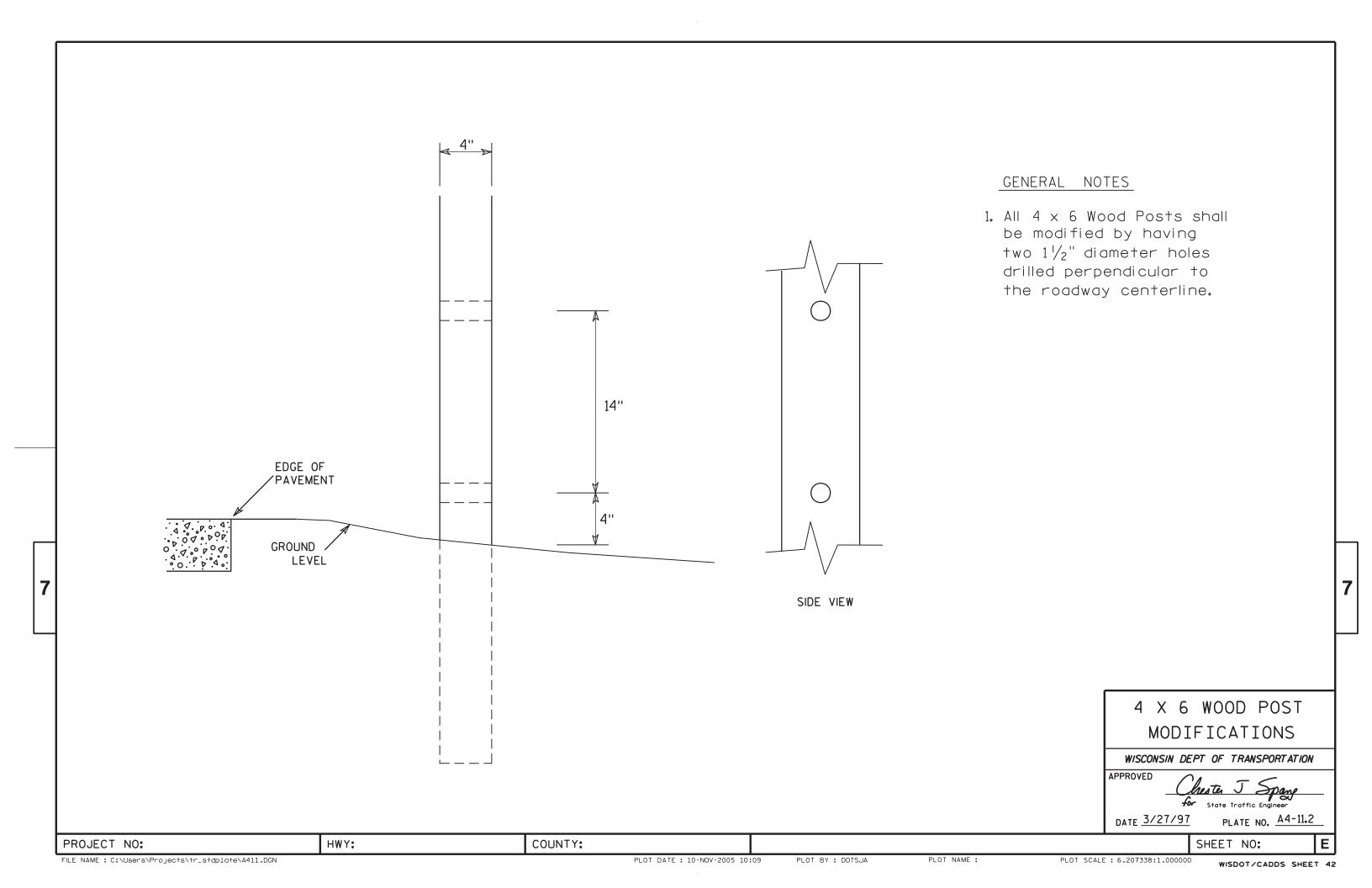
SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\A48 DGN

PROJECT NO:

PLOT DATE . 11-410-2016 11.35

PINT RY . \$\$ Dintuser

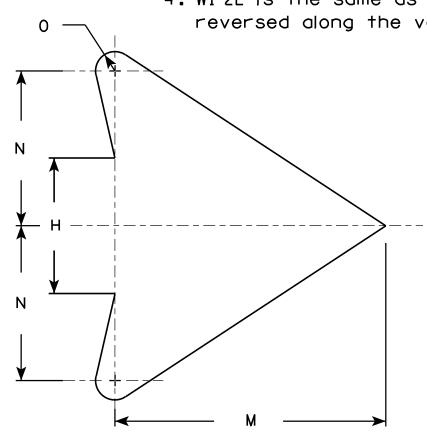


## NOTES

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

Background - Yellow Message - Black

- 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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



	W1-2R															ANNOW BETAIL											
SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Areo sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
25	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
3	36		1 %	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
												<u> </u>		l	·	l	l				l	l					

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch For State Traffic Engineer

DATE <u>5/15/12</u>

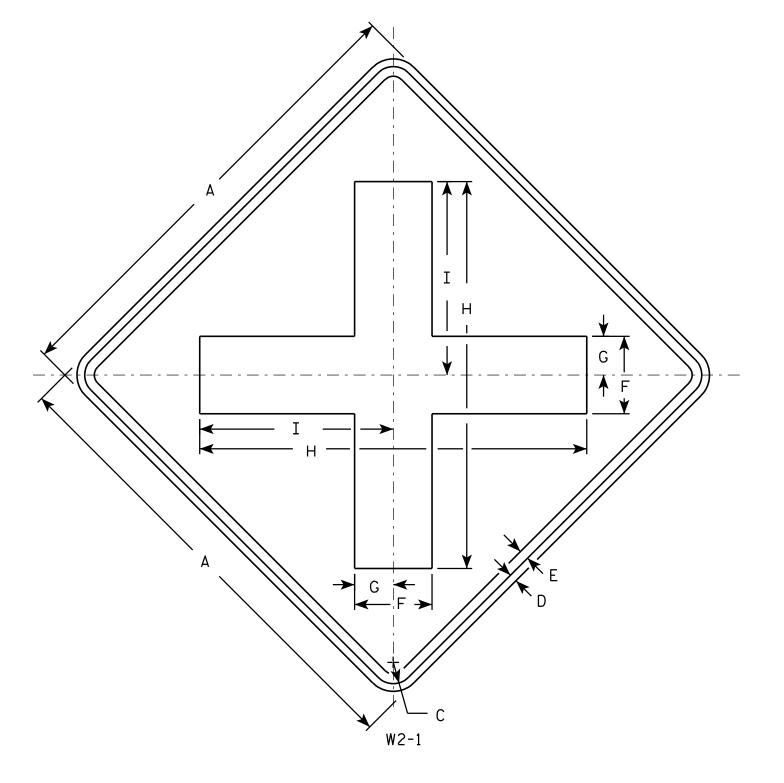
PLATE NO. W1-2.10

SHEET NO:

PROJECT NO:

**←** H →

HWY:



## **NOTES**

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

Background - Yellow Message - Black

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.

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	Areo sq. ft.
1	24		1 1/8	3/8	1/2	4	2	20	10																		4.0
25	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	2 1/2	25	12 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3	30	15																		9.0
4	48		2 1/4	3/4	1	8	4	40	20																		16.0
5																											

COUNTY:

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12

PLATE NO. W2-1.9

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W21.DGN

PROJECT NO:

HWY:

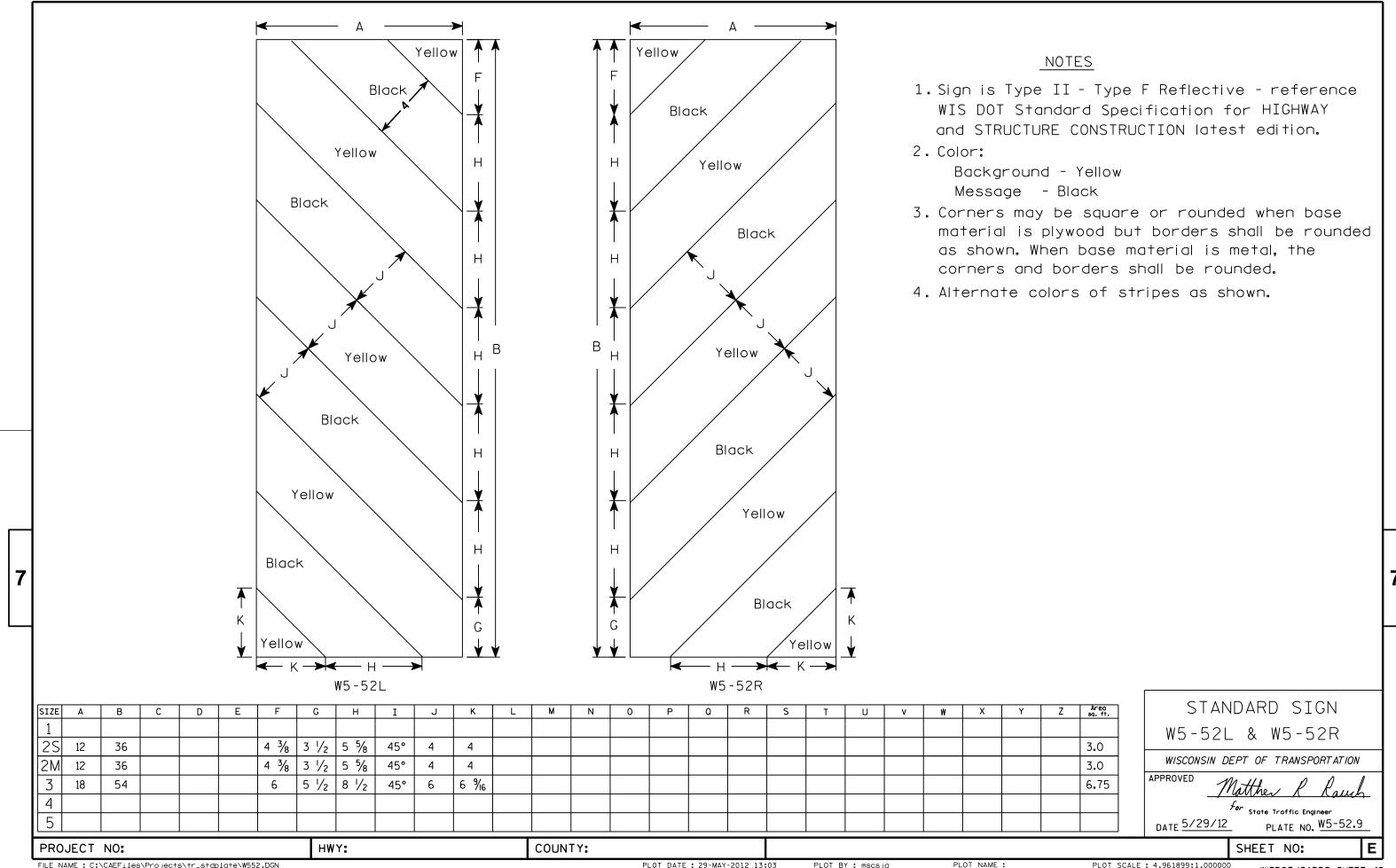
PLOT DATE: 29-MAY-2012 10:10

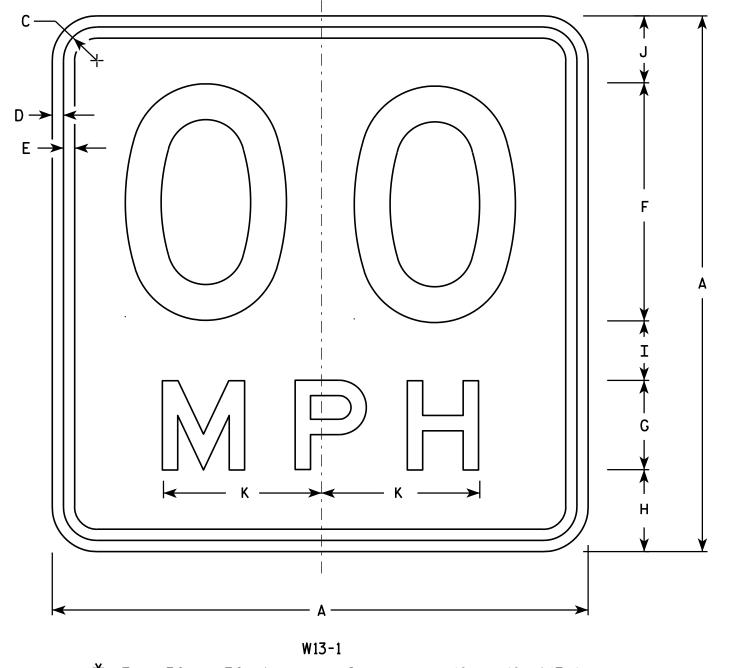
PLOT NAM

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

WISDOT/CADDS SHEET 42





 $\star$  For 30"  $\times$  30" Warning Signs, use 18"  $\times$  18" W13-1 signs. For 36"  $\times$  36" Warning Signs, use 24"  $\times$  24" W13-1 signs.

## NOTES

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

Background - Yellow Message - Black

PLOT NAME :

- 3. Message Series See Note 6
- 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 and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	P	0	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 %																2.25
<b>*</b> 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 %																2.25
<b></b> ★ 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 %																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
			1									1		l .		l .			<del></del>		ı		ı				
PROJE(	CT NO	) <b>:</b>					HW	Y:					COU	NTY:													

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

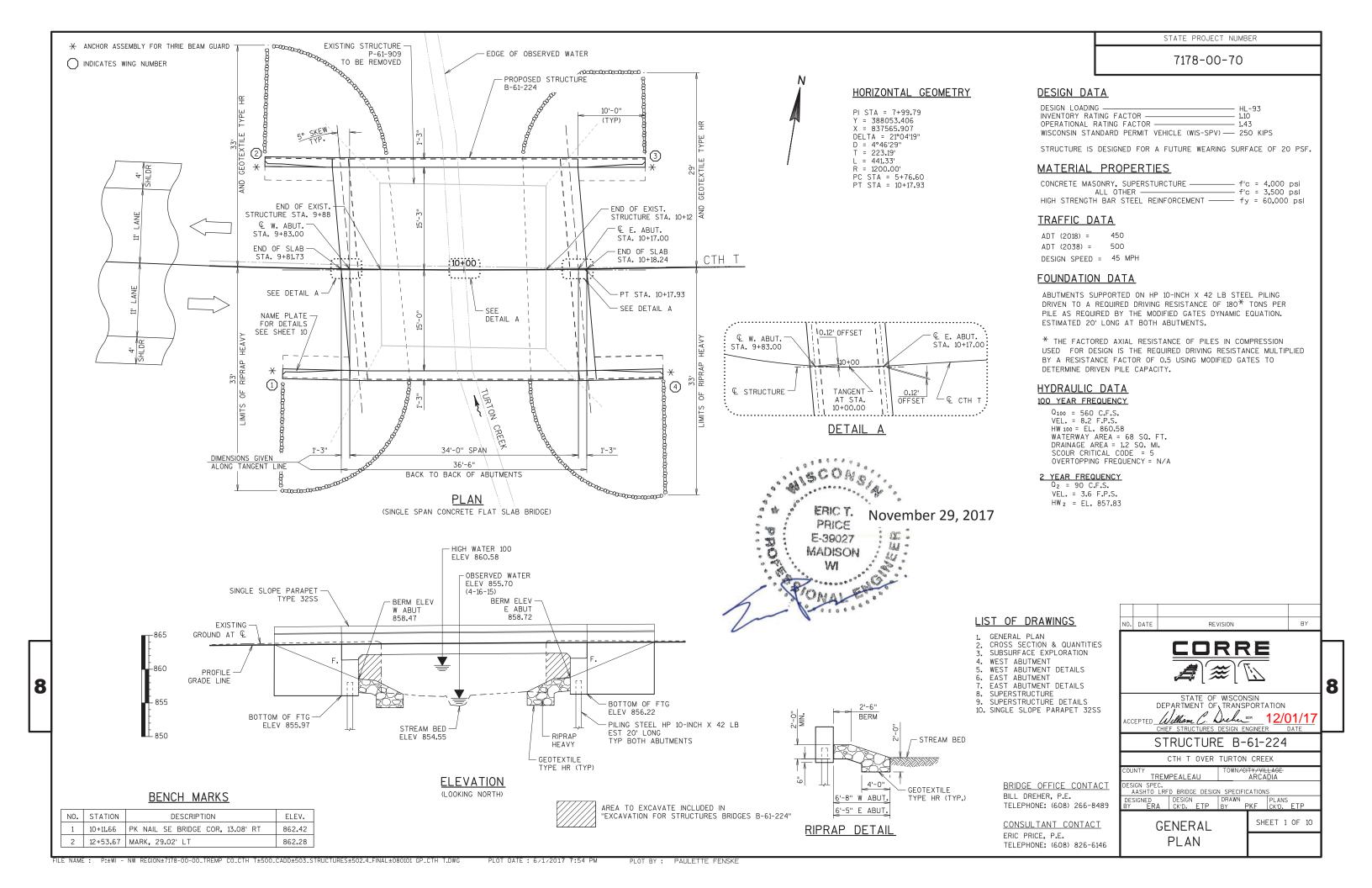
APPROVED

Matthew & Ram

 $f_{or}$  State Traffic Engineer S1/12 PLATE NO. W13-1.16

DATE 5/31/12

SHEET NO:



# <u>LEGEND</u>

•

LEVEL

1 3/4" V-GROOVE REQ'D. EXTEND 6" FROM F.F. OF ABUTMENTS.

CONCRETE PARAPET

TYPE 32SS (TYP)

COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS.

15'-3"

1'-8" SLAB-

€ CTH T

ON PROFILE

O" MIN. TO 1½" MAX.

OUT TO OUT OF DECK

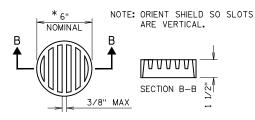
CROSS SECTION THRU BRIDGE

(LOOKING FAST)

POINT REFERRED TO-

0.02 FT/FT

PROFILE GRADE LINE



15'-0"

0.02 FT/FT

Ti BRIDGE

- TANGENT LINE

\* DIMENSION IS APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

#### RODENT SHIELD DETAIL

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

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

### TOTAL ESTIMATED QUANTITIES

8

LEVEL

(TYP)

BID NUMBER	BID ITEM	UNIT	WEST ABUT.	EAST ABUT.	SUPER	TOTALS
203 <b>.</b> 0600 <b>.</b> S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STA. 10+00	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-61-224	LS				1
210.1500	BACKFILL STRUCTURE TYPE A	TON	165	170		335
502.0100	CONCRETE MASONRY BRIDGES	CY	34	34	87	155
502.3200	PROTECTIVE SURFACE TREATMENT	SY			130	130
502.3210	PIGMENTED SURFACE SEALER	SY	9	9	30	48
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,120	2,120		4,240
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,970	1,900	16,450	20,320
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	10	10		20
550.0500	PILE POINTS	EACH	5	5		10
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	100	100		200
606.0300	RIPRAP HEAVY	CY	75	75		150
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	95	95		190
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	2		4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	45	45		90
645.0120	GEOTEXTILE TYPE HR	SY	95	95		190
	NON-BID ITEMS					
	FILLER	SIZE				1/2" & 3/4"

#### GENERAL NOTES

7178-00-70

STATE PROJECT NUMBER

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST DIGIT OF A THREE DIGIT BAR NO. AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR NO. SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE I, II OR III OR AASHTO DESIGNATION M213.

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

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

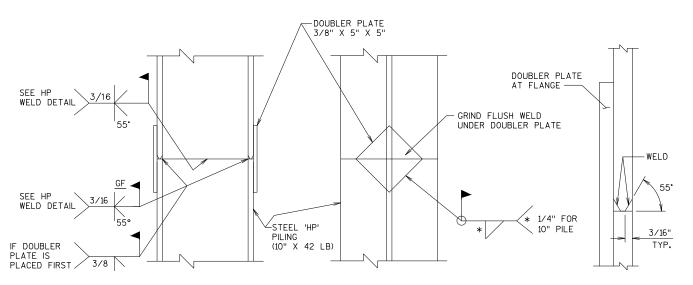
THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-61-224" SHALL BE THE EXISTING GROUNDLINE.

THE EXISTING STRUCTURE P-61-909, TO BE REMOVED, IS A SINGLE SPAN STEEL DECK GIRDER BRIDGE, 24.0 FT. LONG WITH A 23.5 FT. CLEAR ROADWAY WIDTH.

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

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

PIGMENTED SURFACE SEALER SHALL BE APPLIED TO THE ENTIRE INSIDE FACE AND TOP SURFACE OF THE PARAPETS ON THE WINGS AND SUPERSTRUCTURE.



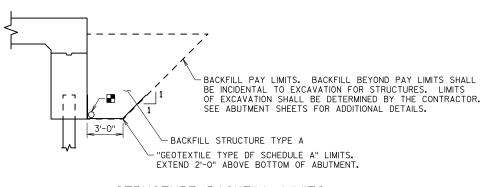
#### STEEL 'HP' PILING

STEEL 'HP' PILE MATERIAL SHALL BE A.S.T.M. DESIGNATION A36.

HP WELD DETAIL FLANGE SHOWN, WEB SIMILAR

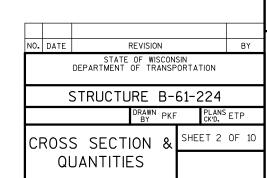
8

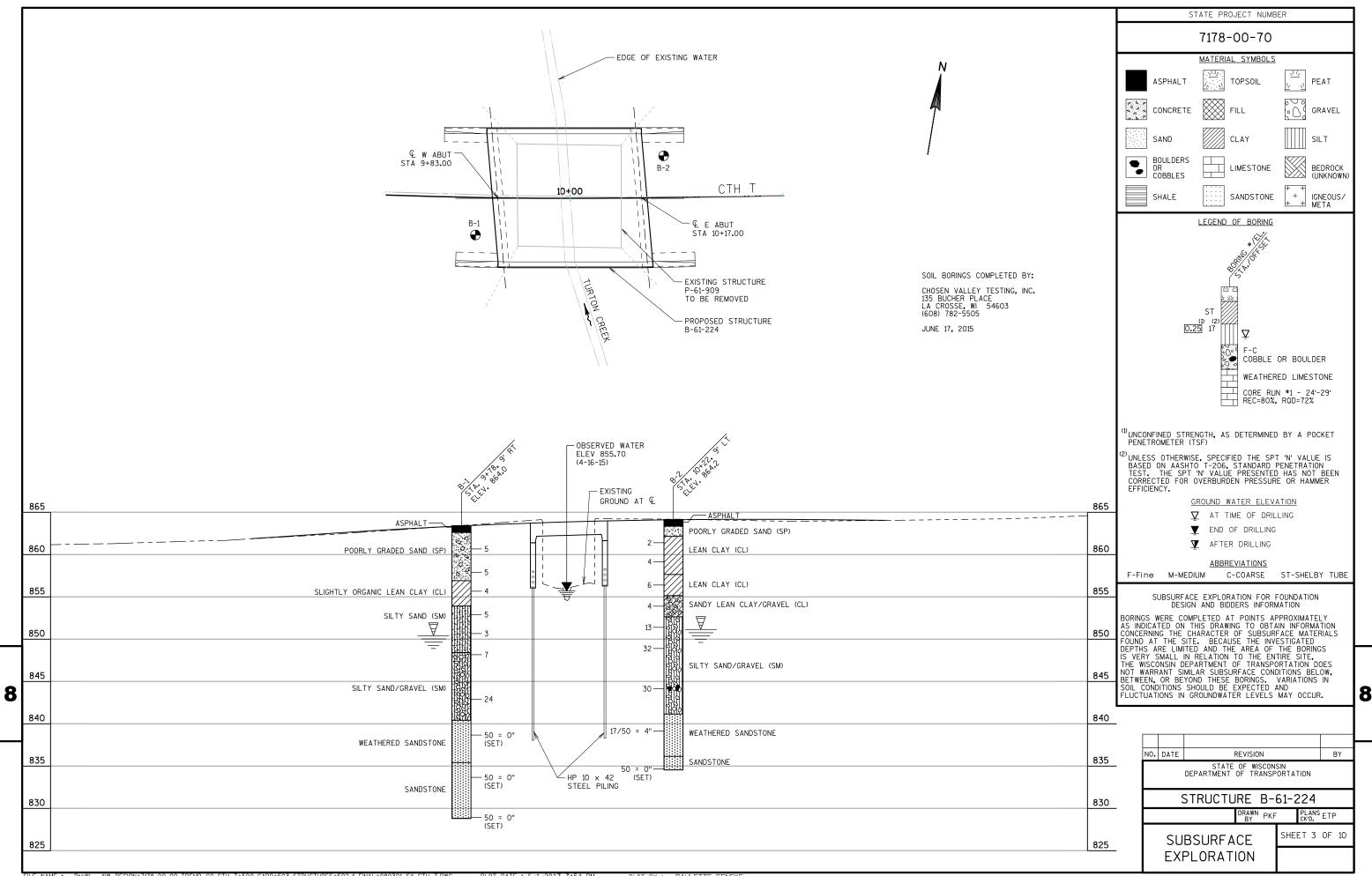
#### PILE SPLICE DETAILS

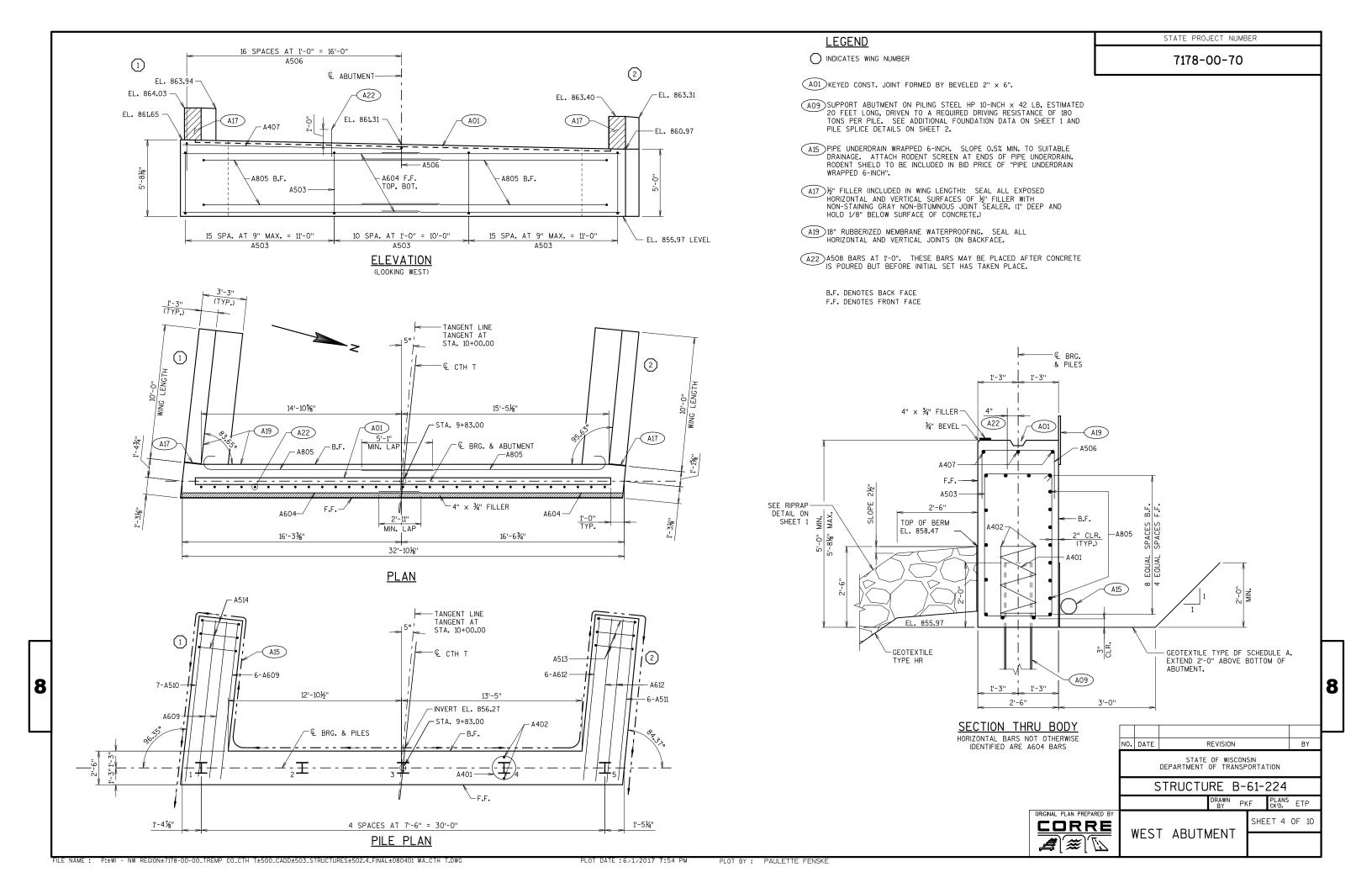


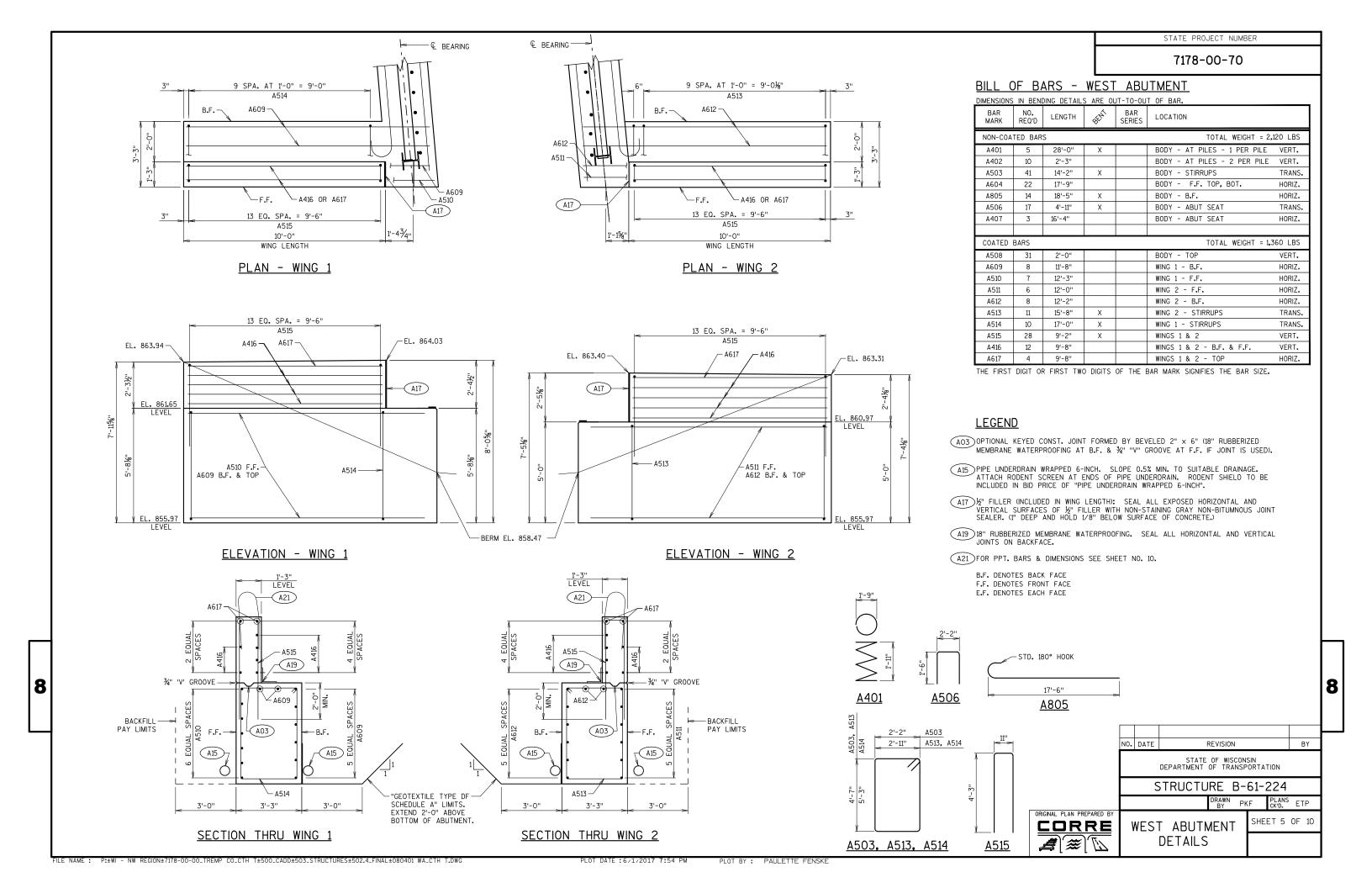
#### STRUCTURE BACKFILL LIMITS

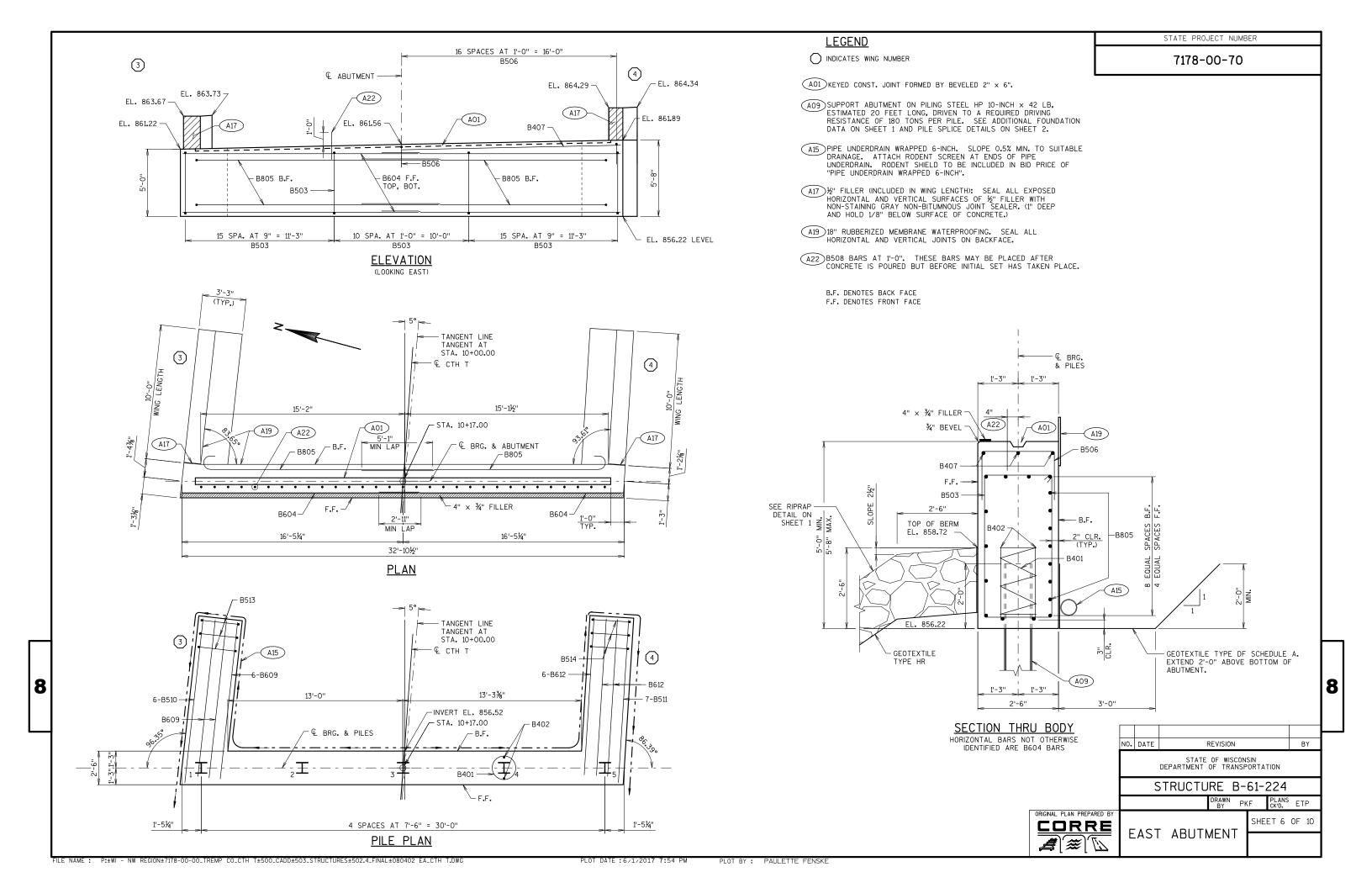
PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

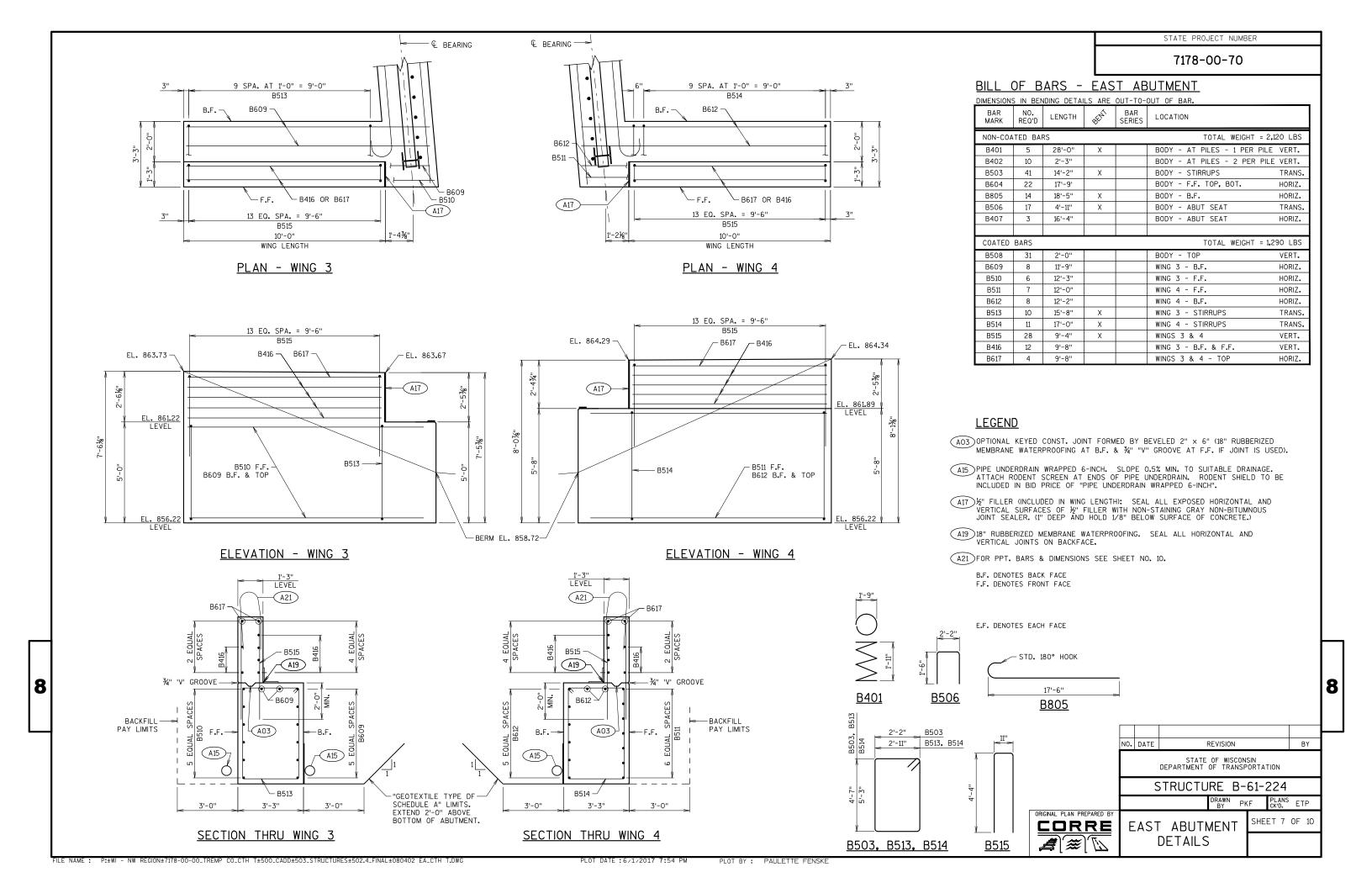


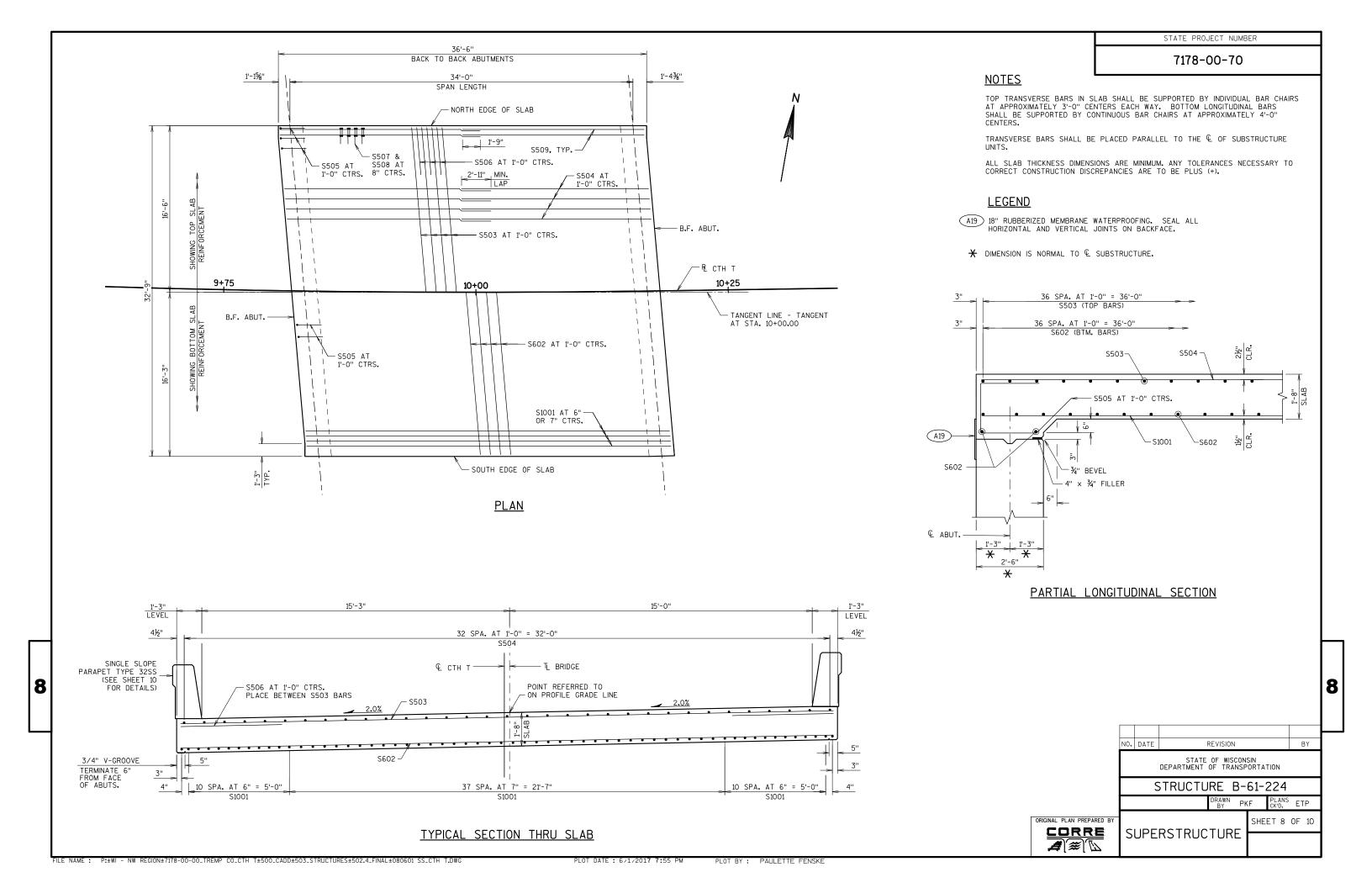












TOTAL WEIGHT = 16,410 LBS

LONGIT.

TRANS.

TRANS.

LONGIT

TRANS.

TRANS.

VERT.

VERT.

LONGIT

#### 7178-00-70

BILL OF BARS - SUPERSTRUCTURE

LENGTH

36'-2"

32'-6"

32'-6"

19'-7"

7'-4"

5'-0"

4'-5"

5'-0"

19'-3"

BAR

MARK

COATED BARS

S1001

S602

S503

S504

S505

S506

S507

S508

S509

NO.

60

41

37

66

66

72

110

110

24

REQ'D

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

BAR

SERIES

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

LOCATION

SLAB - BTM

SLAB - BTM

SLAB - TOP

SLAB - TOP

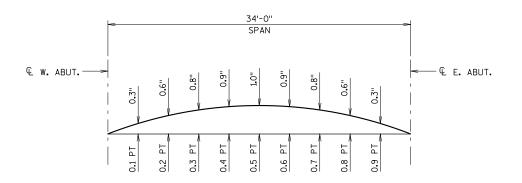
SLAB - TOP

PARAPETS

PARAPETS

PARAPETS

SLAB - AT ABUTMENTS



### CAMBER DIAGRAM

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

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE  $\mathfrak L$  OF ABUTMENTS AND AT 5/10 POINTS TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR  $\mathfrak L$ .

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

TOP OF SLAB ELEVATION AT FINAL GRADE

LESS SLAB THICKNESS

LUS CAMBER

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

EQUALS TOP OF SLAB FALSEWORK ELEVATION.

#### TOP OF DECK ELEVATIONS

LOCATION	€ OF W. ABUT.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ OF E. ABUT.
NORTH EDGE OF SLAB	863.41	863.44	863.47	863.50	863.52	863.55	863.57	863.60	863.62	863.64	863.67
€ STRUCTURE (ALONG TANGENT LINE)	863.73	863.76	863.79	863.82	863.84	863.87	863.89	863.91	863.93	863.96	863.98
SOUTH EDGE OF SLAB	864.04	864.07	864.10	864.12	864.15	864.17	864.20	864.22	864.24	864.26	864.28

ELEVATIONS SHOWN ARE FINISHED DECK AND DO NOT INCLUDE ALLOWANCES OF DEAD LOAD DEFLECTION AND FUTURE CREEP.

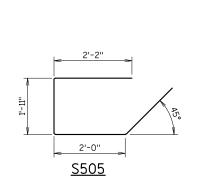
ELEVATIONS ACCOUNT FOR 1'-3" LEVEL AREA UNDER PARAPETS.

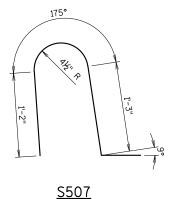
#### SURVEY TOP OF SLAB ELEVATIONS

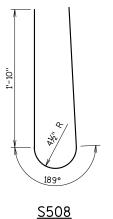
8

SPAN POINT	W. ABUT.	0.5	E. ABUT.
NORTH EDGE OF SLAB			
€ STRUCTURE			
SOUTH EDGE OF SLAB			

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







ORIGINAL PLAN PREPARED BY

NO. DATE REVISION BY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-61-224

DRAWN PKF PLANS ETP

Y

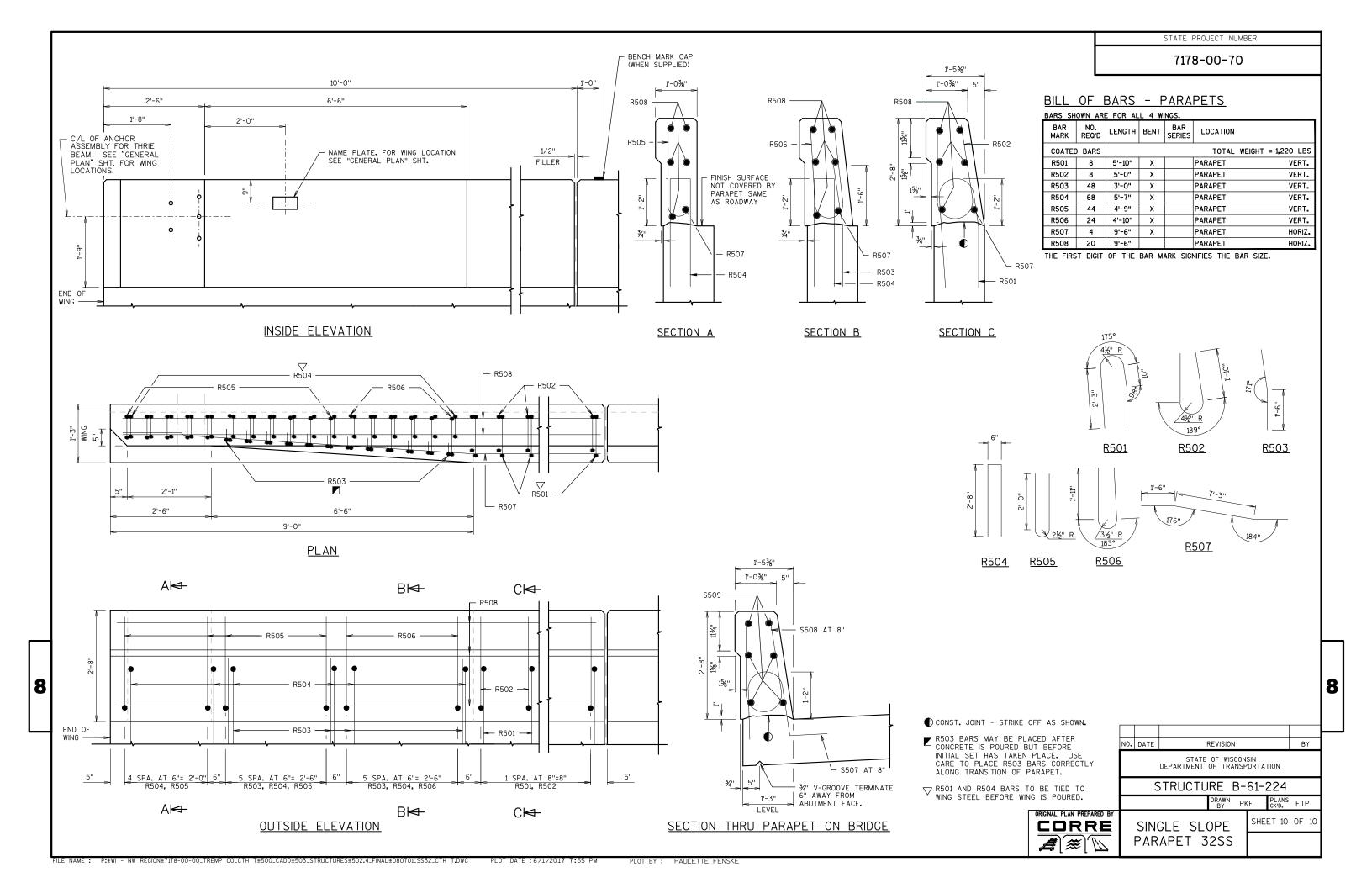
SUPERSTRUCTURE SHEET 9 OF 10

DETAILS

8

PLOT DATE : 6/1/2017 7:55 PM

PLOT BY: PAULETTE FENSKE



			AREA (SF)			Incremental Vol (CY) (U	nadjusted)						
			Salvaged/Unusable			Salvaged/Unusable				Expanded	Expanded	Reduced EBS	
		Cut	Pavement Material	Fill	Cut	Pavement Material	Fill	EBS	Cut	Fill	EBS Backfill	in Fill	Mass Ordinate
STATION	Distance								1.00	1.25	1.30	0.80	
					Note 1,2			Note 3		Note 6	Note 5	Note 4	Note 7
08+00	0.00	2.89	0.00	3.78	0	0	0	0	0	0	0	0	0
08+25	25.00	9.26	0.00	14.66	6	0	9	0	6	11	0	0	-5
08+50	25.00	34.51	18.00	23.02	20	8	17	0	26	32	0	0	-15
08+66.16	16.16	31.74	18.00	35.47	20	11	18	0	46	54	0	0	-28
08+72.21	6.05	30.61	18.00	38.45	7	4	8	0	53	65	0	0	-35
08+91.48	19.28	27.37	18.00	45.70	21	13	30	0	73	102	0	0	-65
08+96.88	5.40	27.33	18.00	45.28	5	4	9	0	79	114	0	0	-74
09+00	3.12	27.40	18.00	44.49	3	2	5	0	82	120	0	0	-80
09+16.81	16.81	28.52	18.00	39.46	17	11	26	0	99	153	0	0	-106
09+21.56	4.75	28.86	18.00	38.91	5	3	7	0	104	161	0	0	-113
09+50	28.44	31.67	18.00	41.32	32	19	42	0	136	214	0	0	-153
09+70.02	20.02	33.09	18.00	77.95	24	13	44	0	160	269	0	0	-197
09+73.39	3.37	34.26	18.00	36.89	4	2	7	0	165	278	0	0	-204
	STRUCTURE B-61-0224												
10+27.15	0.00	35.89	18.00	10.32	0	0	0	0	165	278	0	0	-204
10+29.34	2.19	35.50	18.00	55.47	3	1	3	0	167	282	0	0	-206
10+50	20.66	31.64	18.00	46.01	26	14	39	0	193	330	0	0	-243
10+79.67	29.67	27.21	18.00	36.93	32	20	46	0	225	387	0	0	-287
10+81.79	2.12	27.01	18.00	36.69	2	1	3	0	228	391	0	0	-290
11+00	18.21	25.62	18.00	47.86	18	12	29	0	245	427	0	0	-320
11+04.67	4.67	25.42	18.00	50.79	4	3	9	0	250	437	0	0	-330
11+06.77	2.09	25.68	18.00	51.15	2	1	4	0	252	442	0	0	-334
11+29.68	22.91	29.23	18.00	45.10	23	15	41	0	275	493	0	0	-377
11+31.86	2.19	29.60	18.00	43.87	2	1	4	0	277	498	0	0	-381
11+50	18.14	32.80	18.00	36.15	21	12	27	0	298	531	0	0	-405
11+75	25.00	7.79	0.00	23.35	19	8	28	0	317	566	0	0	-429
12+00	25.00	8.60	0.00	12.84	8	0	17	0	325	587	0	0	-443

(1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

TOTALS

- (2) Salvaged/Unsuable Pavement Material is included in Out.
- (3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
- (4) Reduced EBS in Fill Excavated EBS material is ususable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
- (5) Expanded EBS Backfill This is to be filled with Borrow material. EBS Backfill Factor = 1.30. Item number 208.0100
- (6) Expanded Fill Factor = 1.25
- (7) 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.

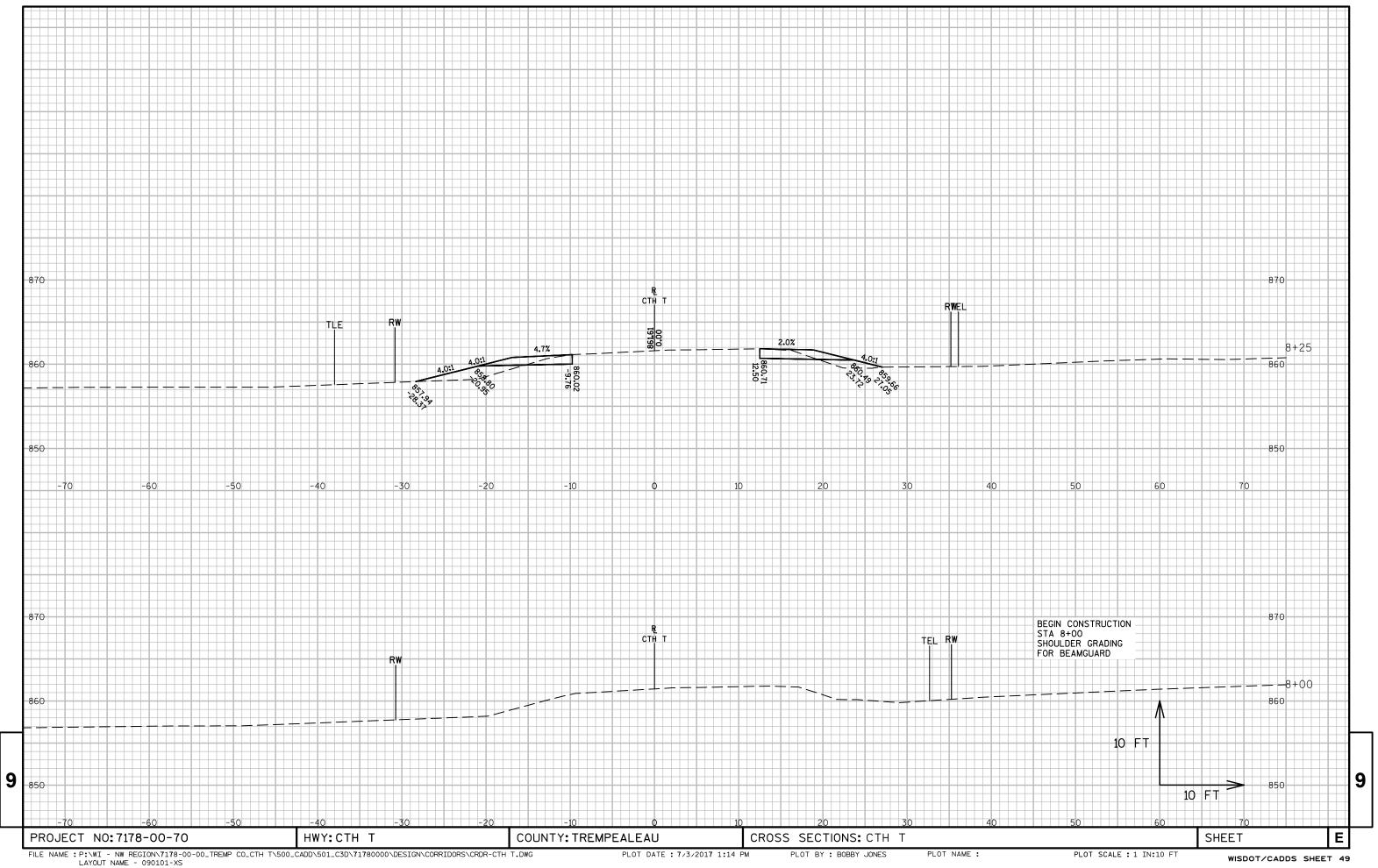
325

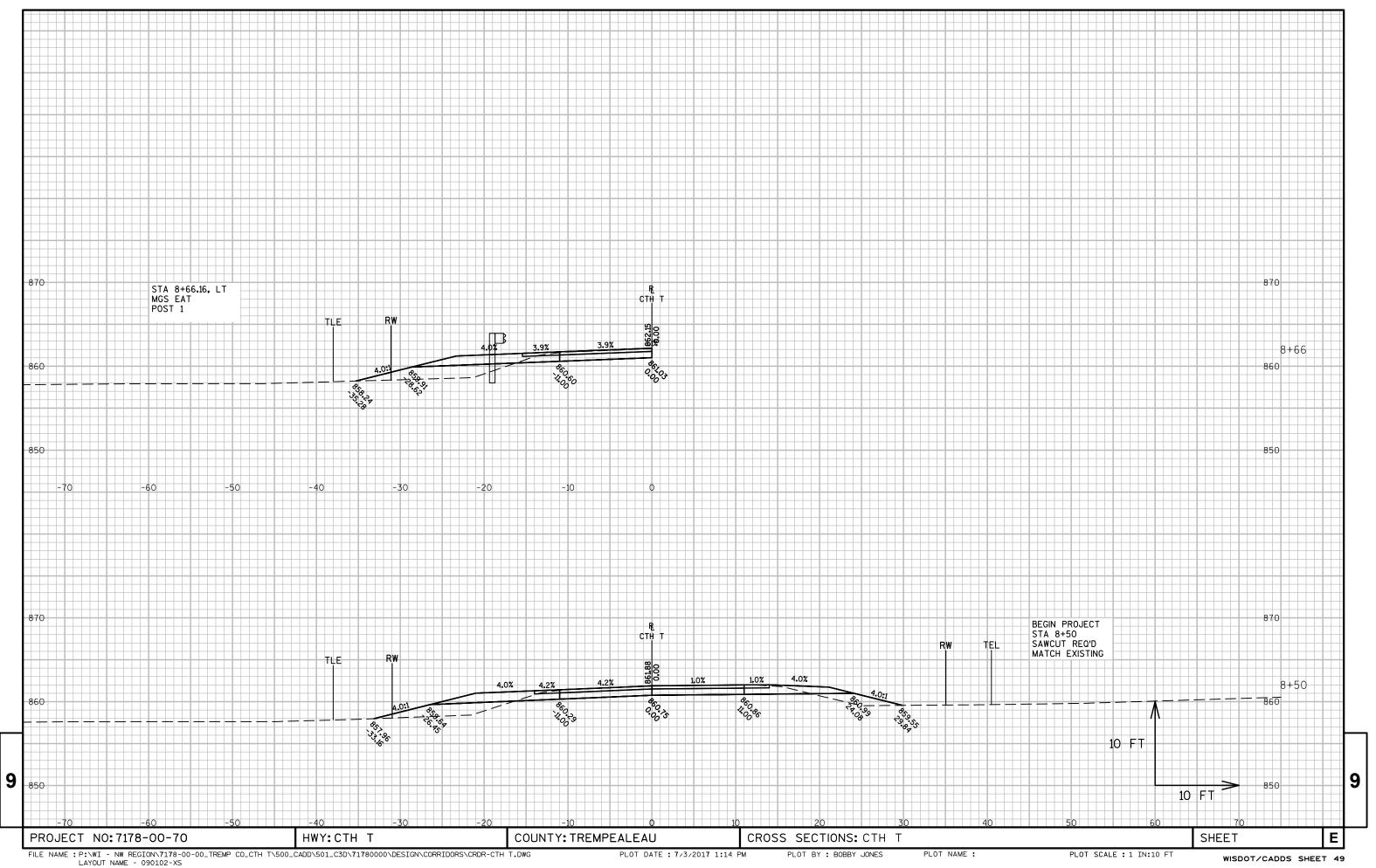
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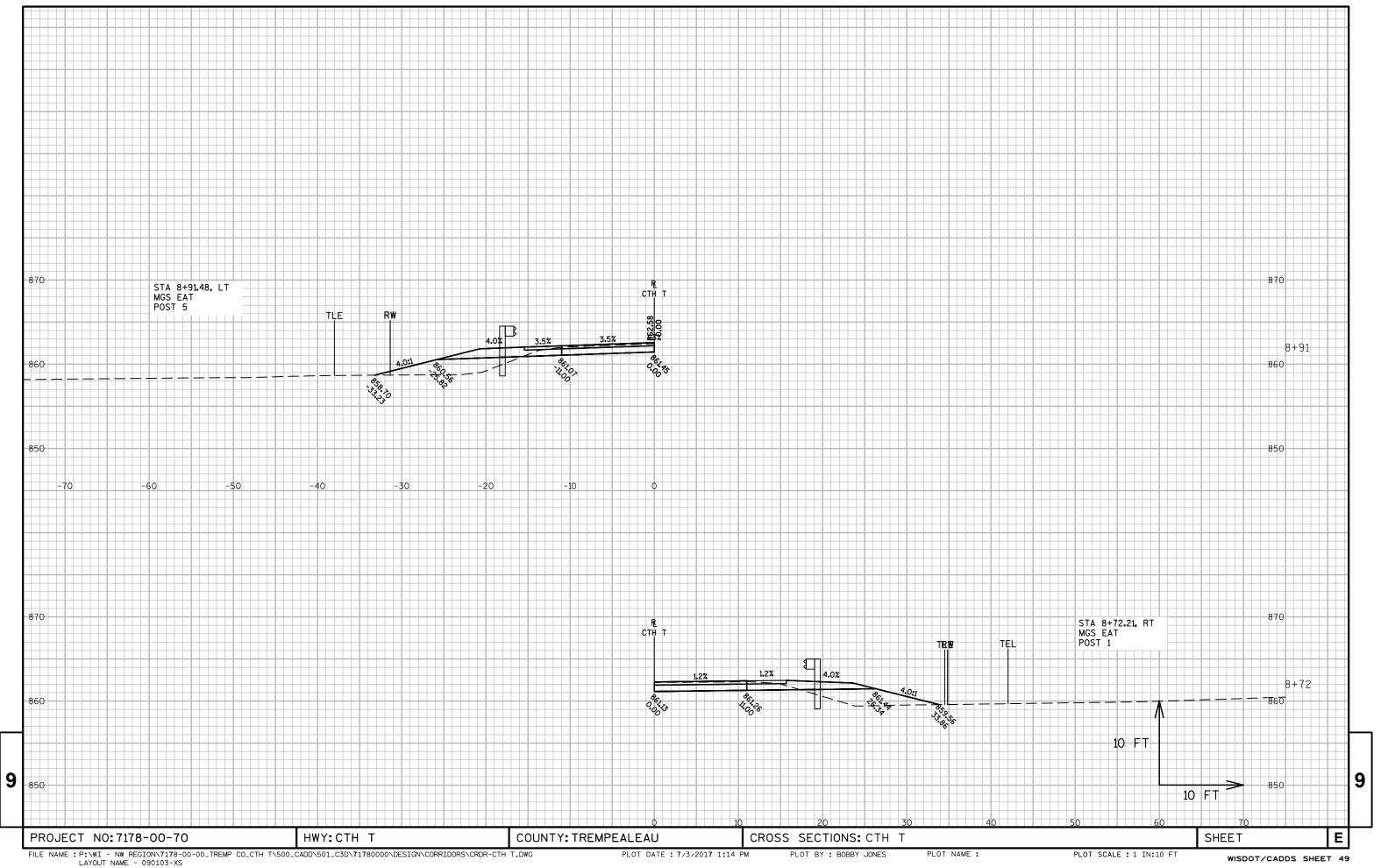
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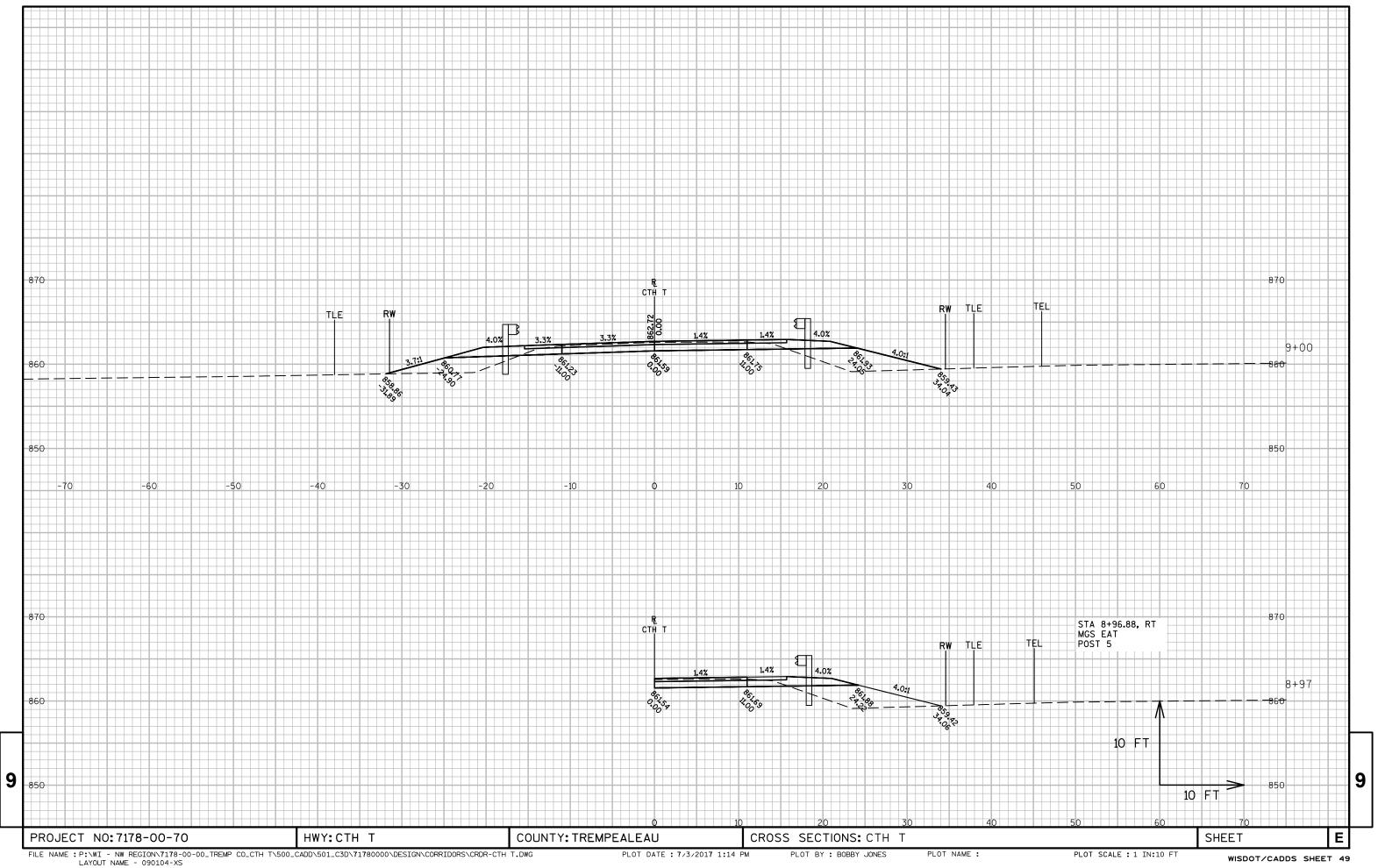
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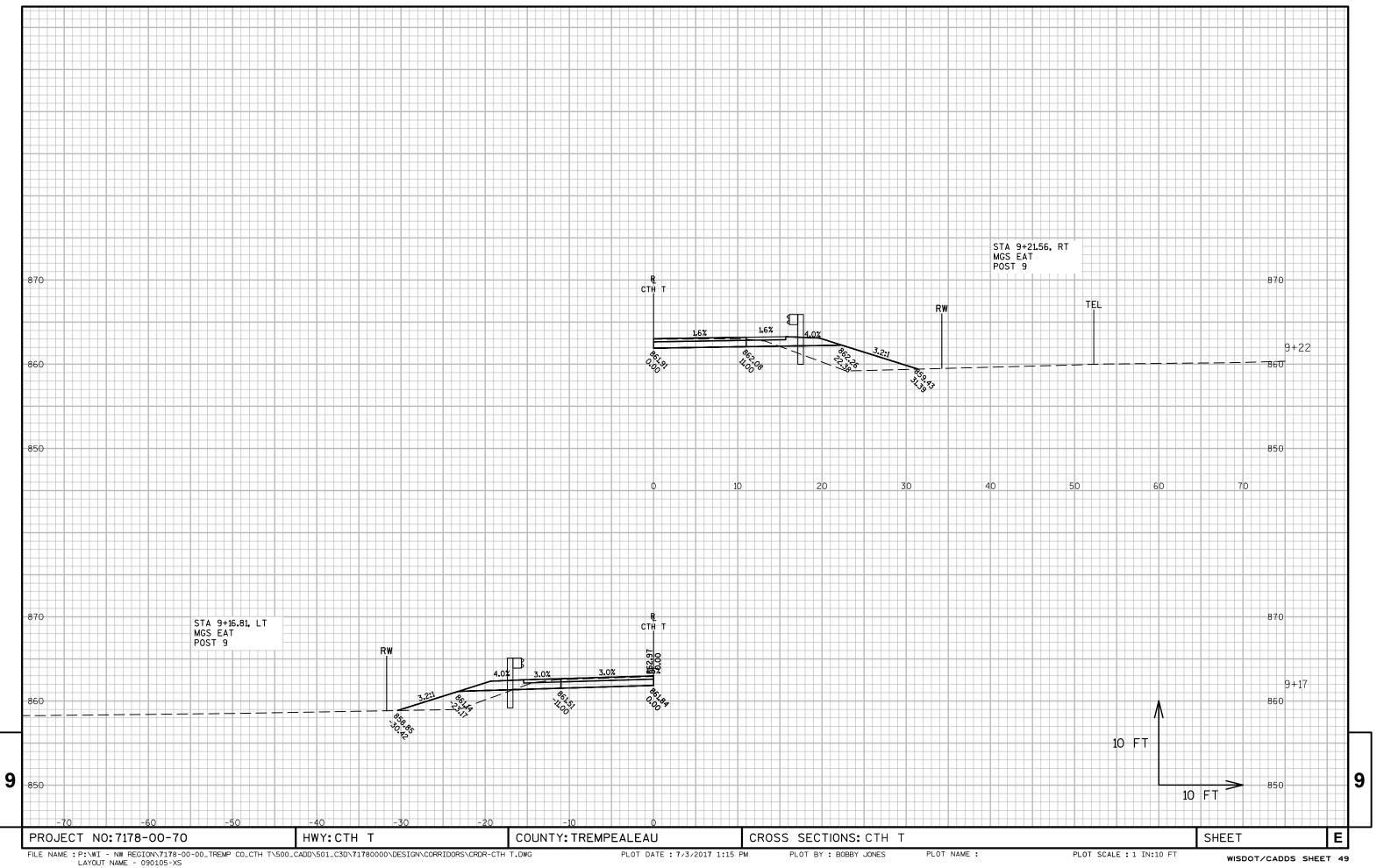
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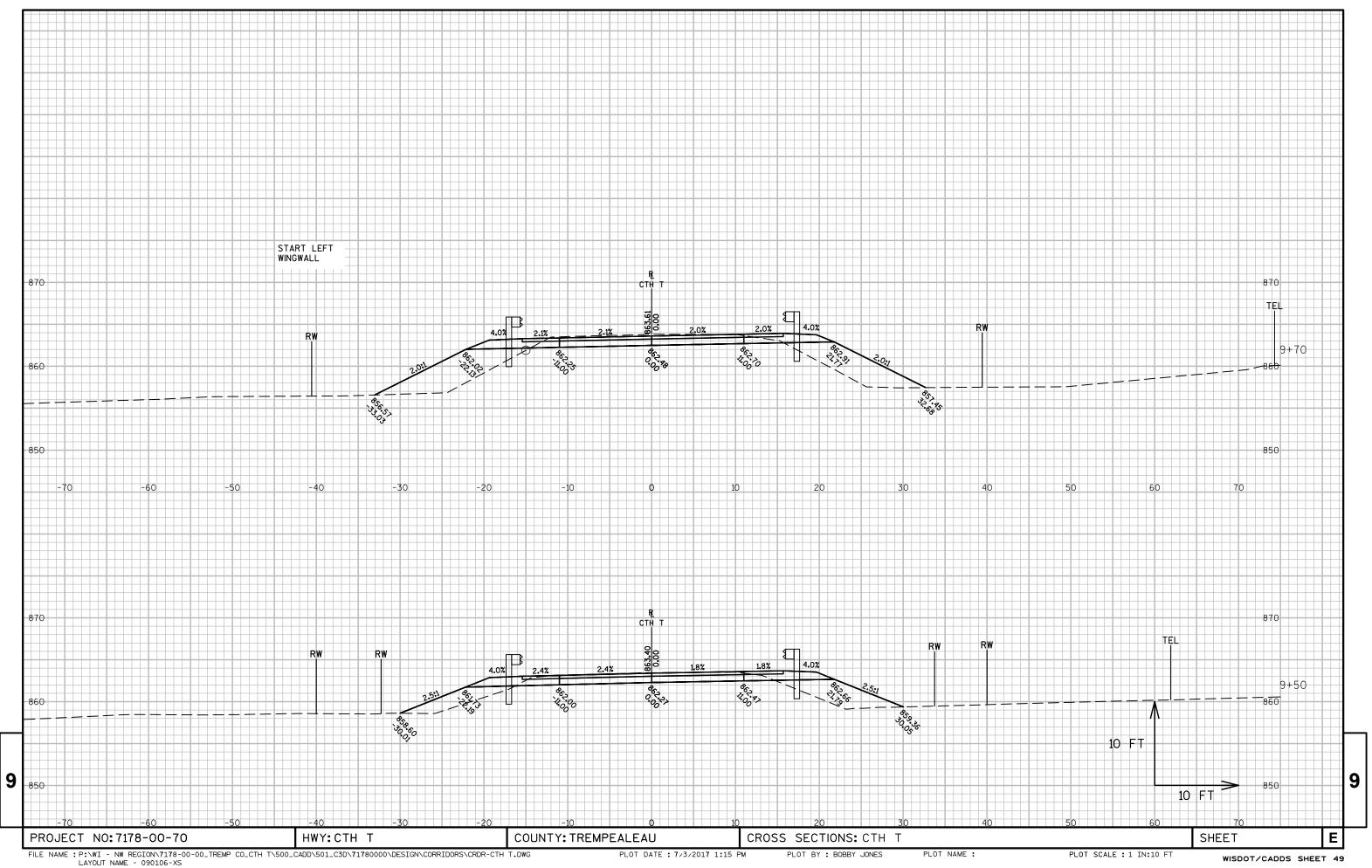


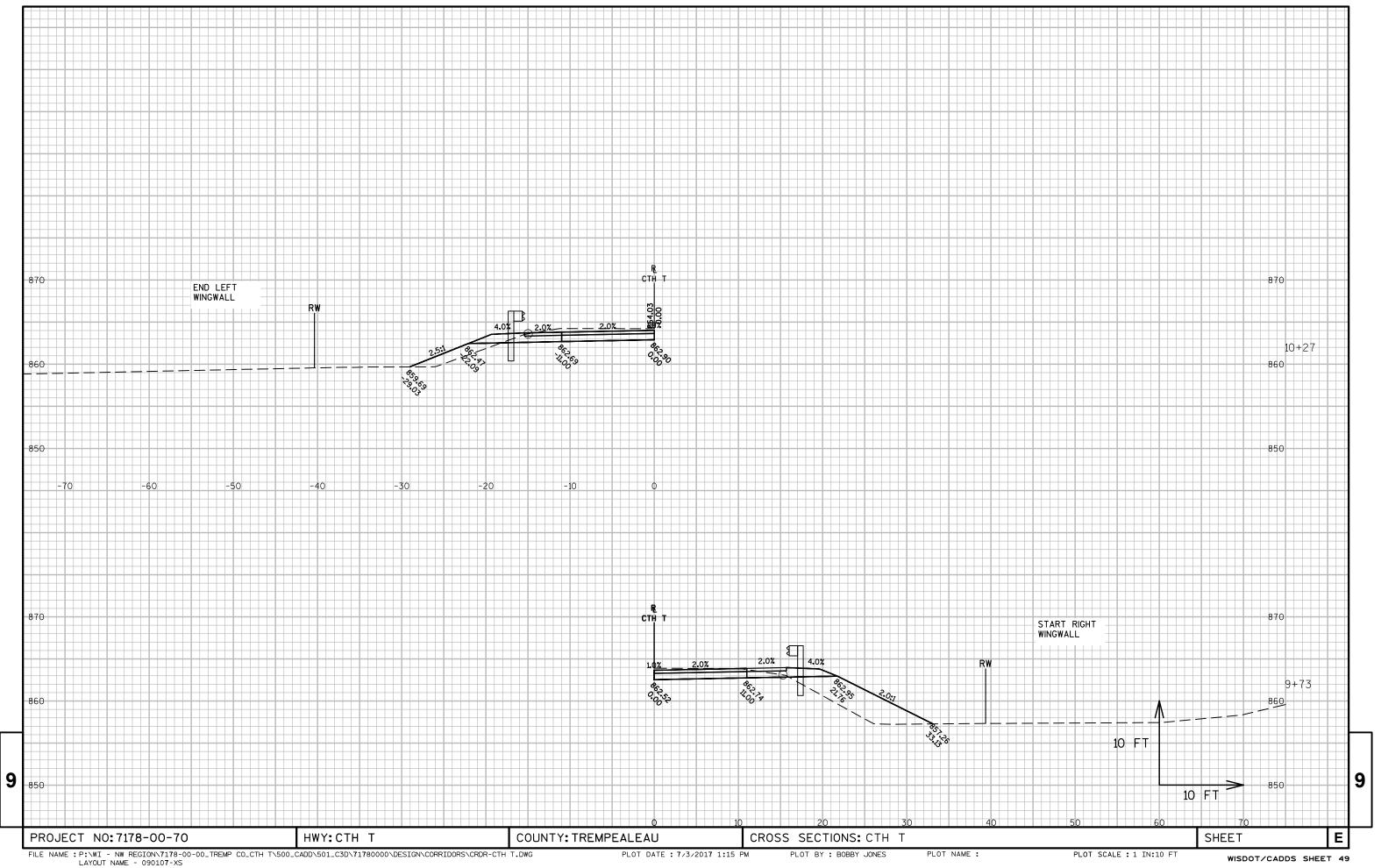


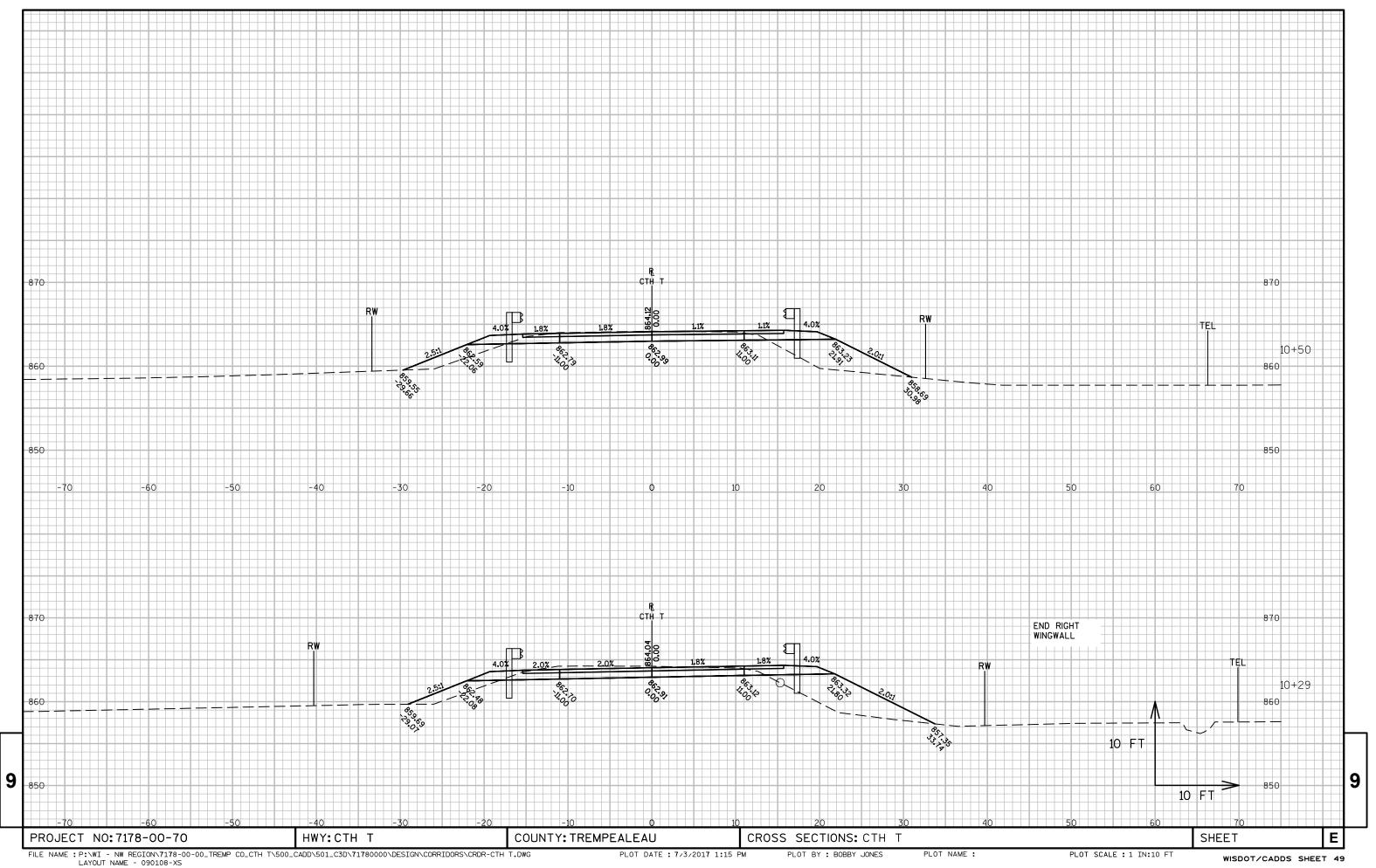


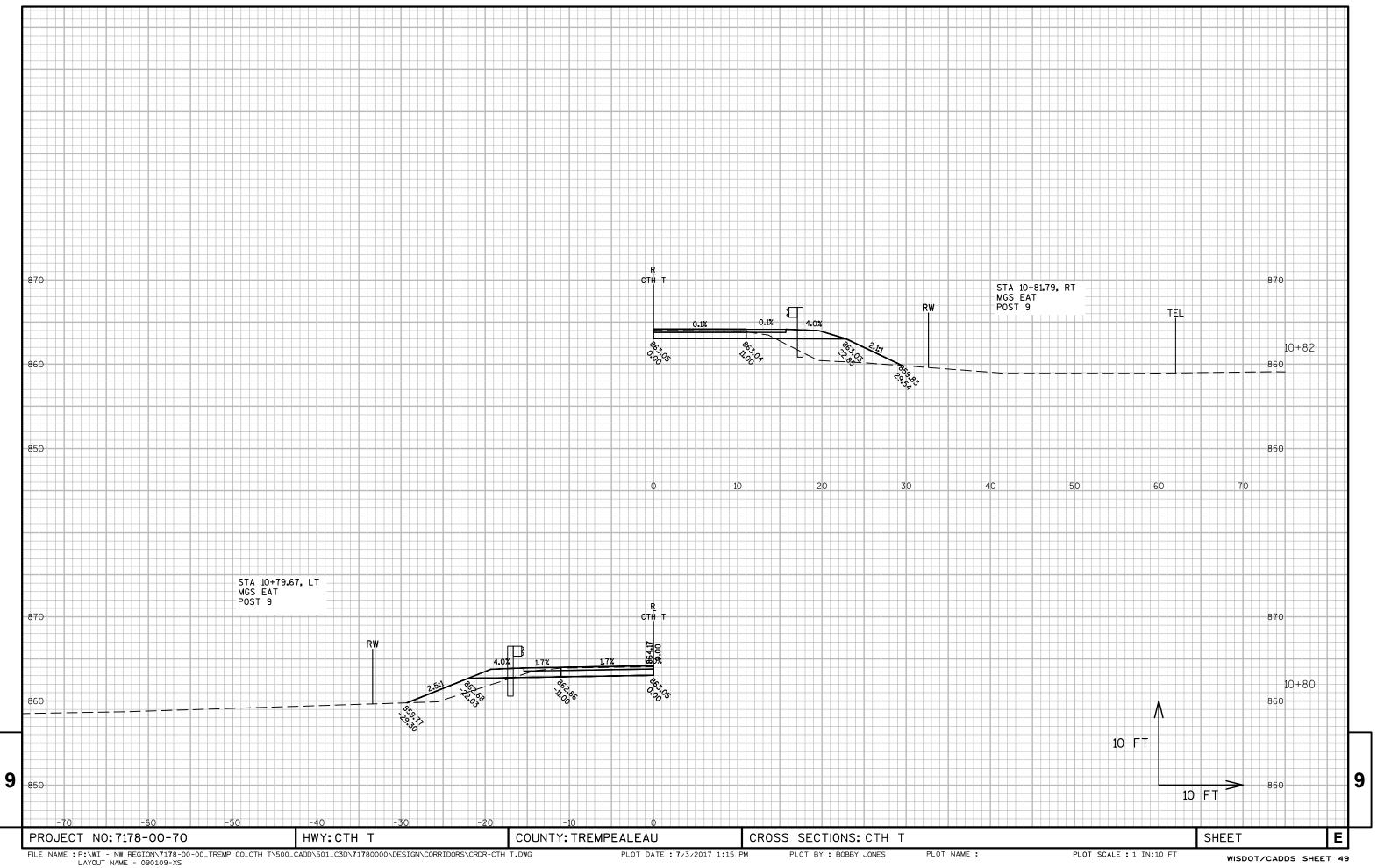


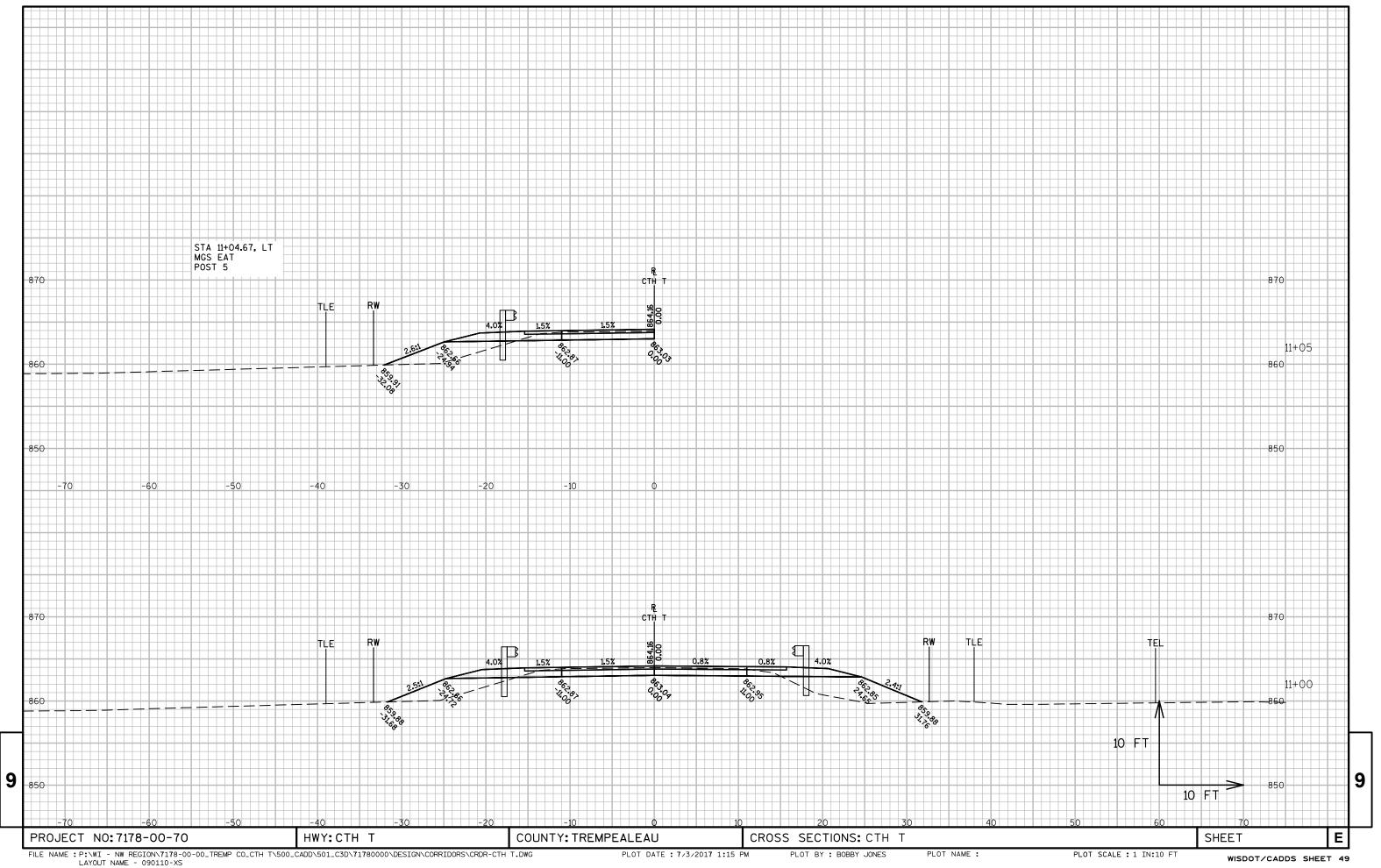


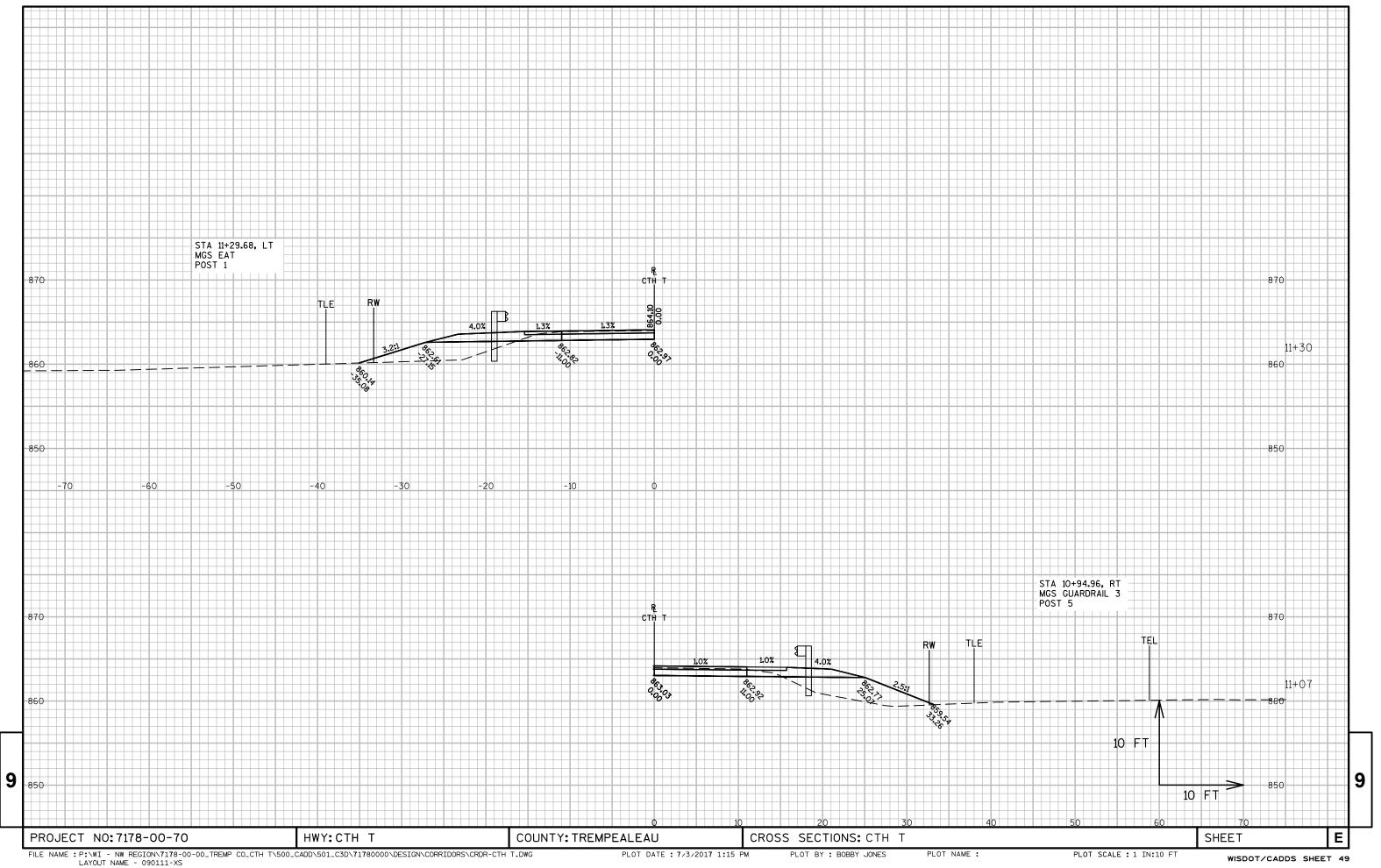


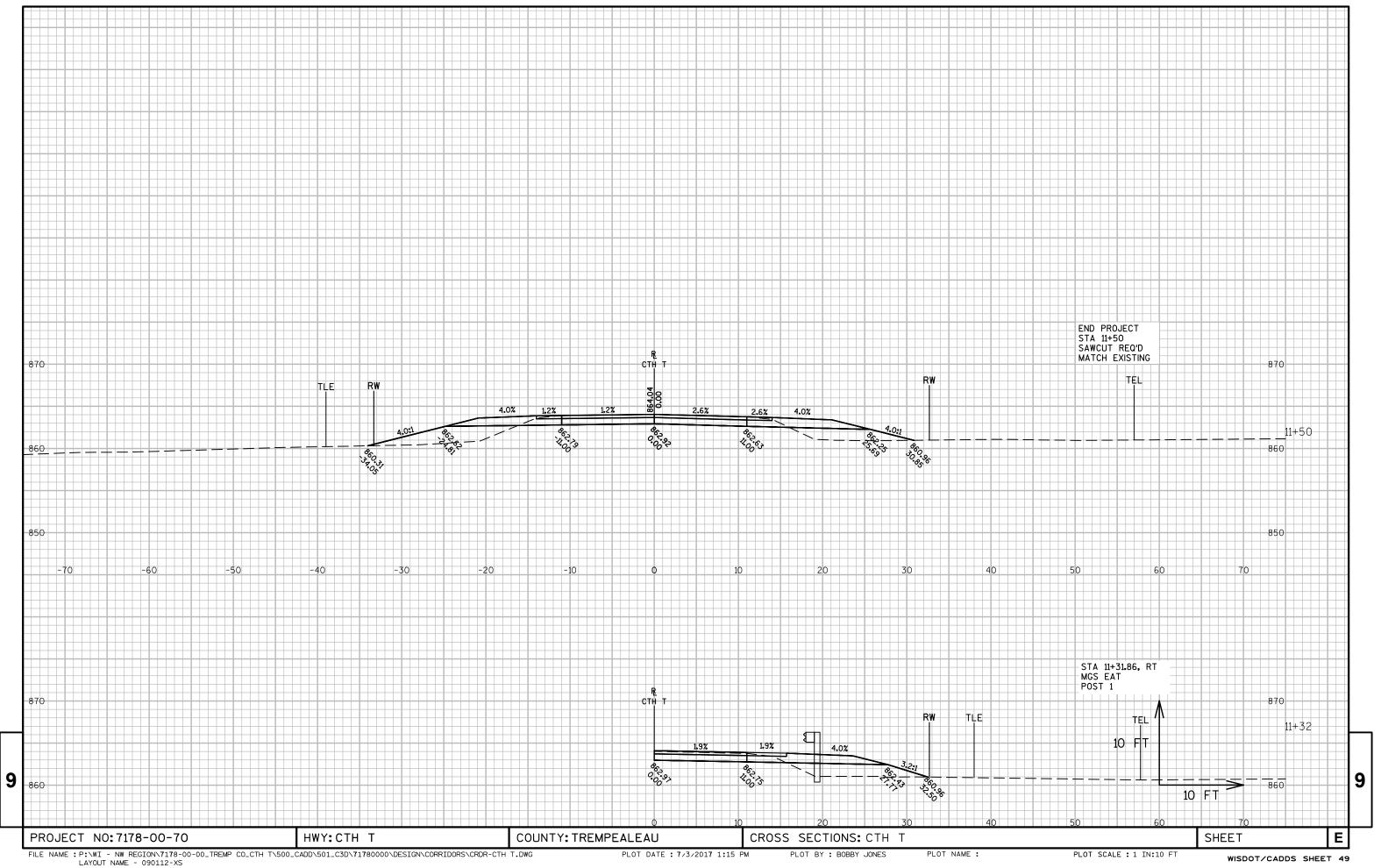


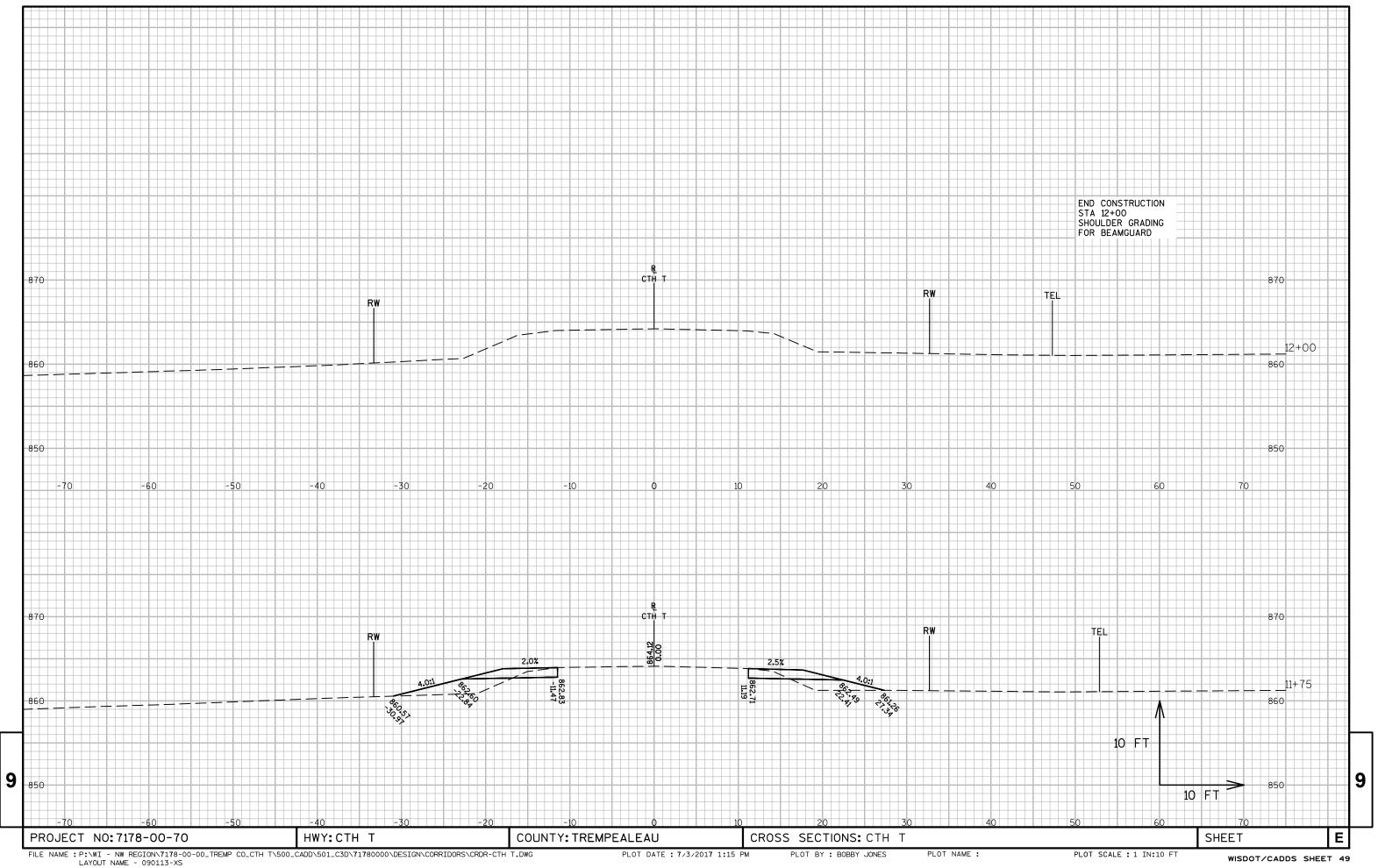












Notes



# Wisconsin Department of Transportation

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