ORDER OF SHEETS STATE OF WISCONSIN Section No. 1 DEPARTMENT OF TRANSPORTATION Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities

FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT WISC 2017030 7155-00-70

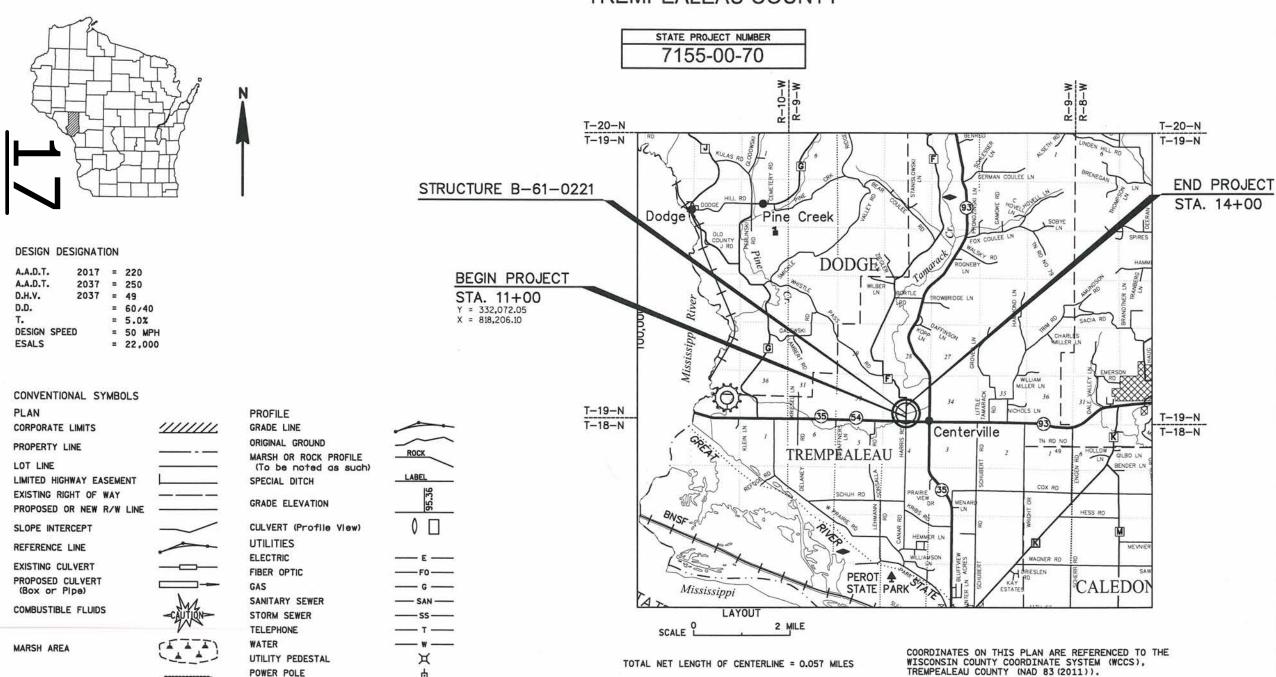
PLAN OF PROPOSED IMPROVEMENT

STH 35 - STH 93

TAMARACK CREEK BRIDGE B-61-0221

CTH F

TREMPEALEAU COUNTY



APPROVED FOR THE DEPARTMENT

9/22/16

ACCEPTED FOR

TELEPHONE POLE

WOODED OR SHRUB AREA

Miscellaneous Quantities

Standard Detail Drawings

Computer Earthwork Data

Plan and Profile (Includes Erosion Control Plan)

Right of Way Plat

Cross Sections

PLOT NAME :

LIST OF STANDARD ABBREVIATIONS

A.A.D.T Average Annual Daily Traffic Bridge B.A.D. Base Aggregate Dense Benchmark Centerline Control Point CWT Century Weight Cubic Yards Direction Distribution D.H.V. Design Hourly Volume Equivalent Single Axle Loadings Field Entrance GAL Gallon LB Pound Lump Sum Left MGAL Mega Gallon Radius Riaht R/W Right-of-Way Square Foot STA Station Sauare Yard Trucks TLE

Width

Temporary Limited Easement

		HYDROLOGIC SOIL GROUP										
	A B						С			D		
	S		RANGE CENT)	S		RANGE CENT)	S		RANGE CENT)	S		RANGE CENT)
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 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP TURF	.19 .20 .24 .19 .22 .24 .26 .30 .25 .28					.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT												
ASPHALT	.7095											
CONCRETE	.8095											
BRICK		.7080										
DRIVES, WALKS		.7585										
ROOFS						.75 -	.95					
GRAVEL ROADS	, SHO	ULDEF	RS			.40 -	.60					

TOTAL PROJECT AREA= 0.58 ACRES

FILE NAME :

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.38 ACRES

GENERAL NOTES

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

COORDINATES AND BEARINGS ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), TREMPEALEAU COUNTY. (NAD 83 (2011)).

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

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. EXACT LOCATIONS OF EBS WILL BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED (TYPE B), SEEDED (USE SEED MIX NO. 20), AND MULCHED AS DIRECTED BY THE ENGINEER. ALL POST CONSTRUCTION WET AREAS SHALL BE SEEDED WITH SEEDING MIXTURE NO. 60.

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

SILT FENCE AND TEMPORARY DITCH CHECKS SHALL BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD. SILT FENCE SHALL BE PLACED PRIOR TO CONSTRUCTION AND IN PLACE PRIOR TO STRUCTURE REMOVAL.

MULCH ALL MAINLINE SLOPES AS DIRECTED BY THE ENGINEER IN THE FIELD.

FILL EXPANSION IS VARIABLE AND IS ESTIMATED AT 25%.

ADJUST DITCH GRADING AS NECESSARY TO FIT FIELD CONDITIONS AND AS DIRECTED BY THE

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ASPHALTIC SURFACE QUANTITIES WERE CALCULATED USING 115 LB/SY/IN. 4-INCHES OF ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 1 3/4-INCH UPPER LAYER AND 2 1/4-INCH LOWER LAYER.

THE EXACT LOCATION OF FIELD ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

THE LOCATION OF ALL PERMANENT SIGNING SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD PRIOR TO PLACEMENT.

WETLANDS ARE PRESENT IN THE PROJECT LIMITS. THE CONTRACTOR SHALL NOT OPERATE EQUIPMENT BEYOND THE SLOPE INTERCEPTS FROM STA. 11+97 - STA. 12+18, RT. AND 12+01 -STA. 12+13. LT.

CONTACTS

DESIGN CONSULTANT

JEWELL ASSOCIATES ENGINEERS, INC. 560 SUNRISE DR. SPRING GREEN, WI 53588 ATTN: ELLERY SCHAFFER, P.E.

PHONE: (608) 588-7484 EMAIL: ellery.schaffer@jewellassoc.com PHONE: (608) 785-9115

STATE OF WISCONSIN DNR SERVICE CENTER 3550 MORMON COULEE RD LACROSSE, WL 54601 ATTN: KAREN KALVELAGE

DNR LIAISON

EMAIL: Karen.Kalvelage@wisconsin.gov

TREMPEALEAU COUNTY HIGHWAY DEPARTMENT

DAVE LYGA, COMMISSIONER N36258 COUNTY ROAD QQ PO ROX 97 WHITEHALL, WI 54773 PH: (715) 538-4799 EMAIL: lygad@triwest.net

UTILITIES

TELEPHONE

CENTURYLINK ATTN: TOM MURRAY 333 N. FRONT ST LA CROSSE, WI 54601 OFFICE: (608) 780-0895 CELL: (608) 796-7869

EMAIL: tom.l.murray@centurylink.com

PLOT SCALE: 0.830110

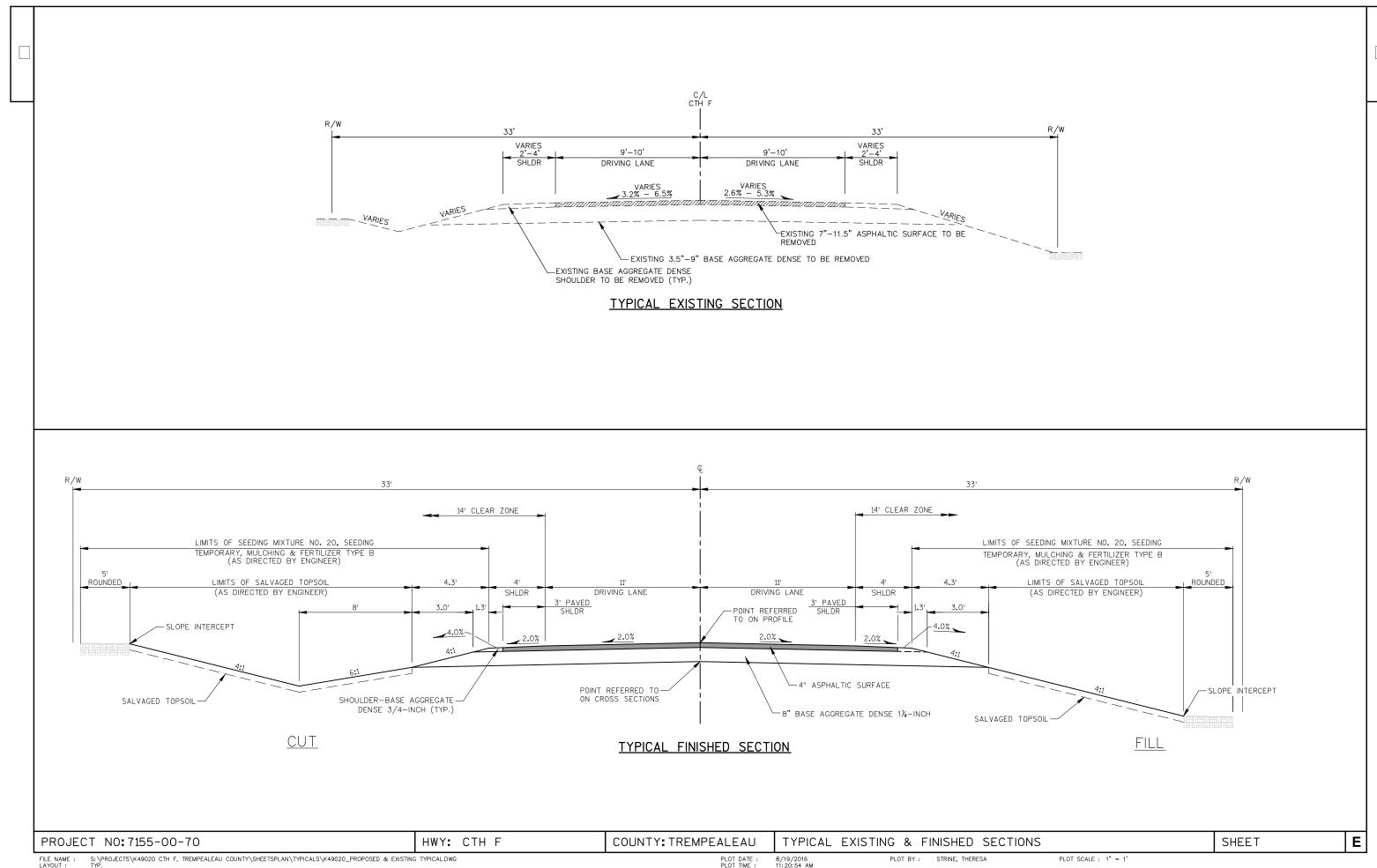


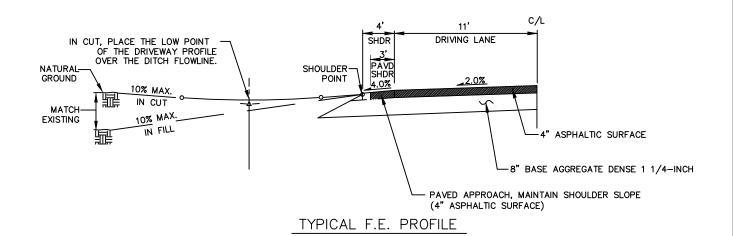
* DENOTES UTILITY IS NOT A MEMBER OF DIGGERS HOTLINE

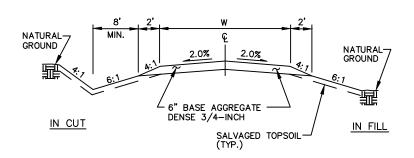
PROJECT NO: 7155-00-70 HWY: CTH F COUNTY: TREMPEALEAU GENERAL NOTES, CONTACTS, UTILITIES, & HSG CHART SHEET

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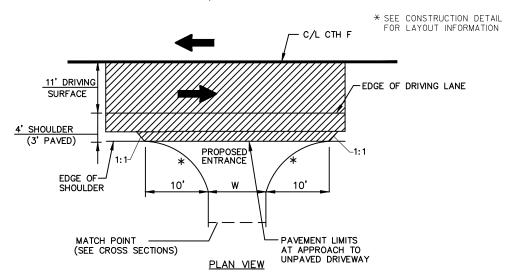
S:\PROJECTS\K49020 CTH F, TREMPEALEAU COUNTY\SHEETSPLAN\TYPICALS\GEN NOTES - CONTACTS LAYOULTIES.DWG PLOT BY: STRINE, THERESA







TYPICAL CROSS-SECTION FOR F.E.



APPROACH AT F.E.

TYPICAL FIELD ENTERANCE (F.E.) DETAILS

LIMITS OF ASPHALTIC SURFACE

* RADIUS = 10'

COUNTY: TREMPEALEAU CONSTRUCTION DETAILS

PLOT BY: STRINE, THERESA

SHEET

Ε

TILE NAME: S:\PROJECTS\K49020 CTH F, TREMPEALEAU COUNTY\SHEETSPLAN\DETAILS\CONSTRUCTION
DETAILS1.DWG

HWY: CTH F

PROJECT NO: 7155-00-70

PLOT DATE : 9/16/20 PLOT TIME : 9:40:17 PLOT SCALE : 1" = 1"

FINISHED & CTH F

FE — STA. 13+64, LT.

END PROJECT
STA. 14+00

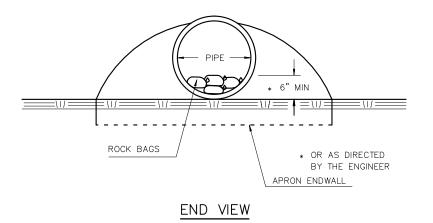
TLE REQ'D.

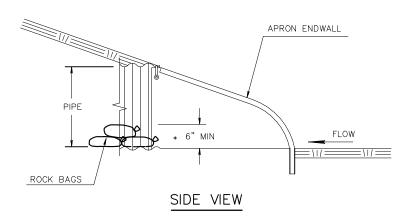
EXISTING FENCELINE TO REMAIN

CENTURYLINK

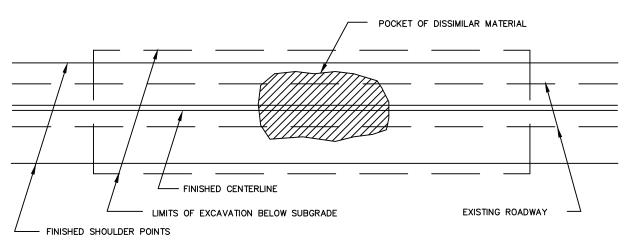
EXISTING FENCELINE TO BE REMOVED BY OTHERS

SLOPE INTERCEPTS

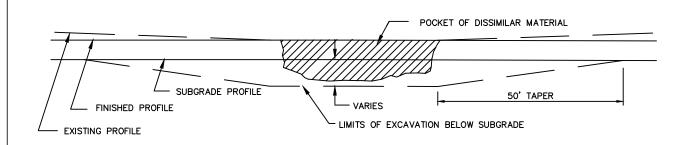




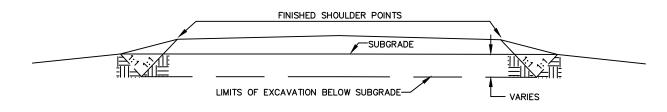
CULVERT PIPE CHECKS



PLAN VIEW



PROFILE VIEW



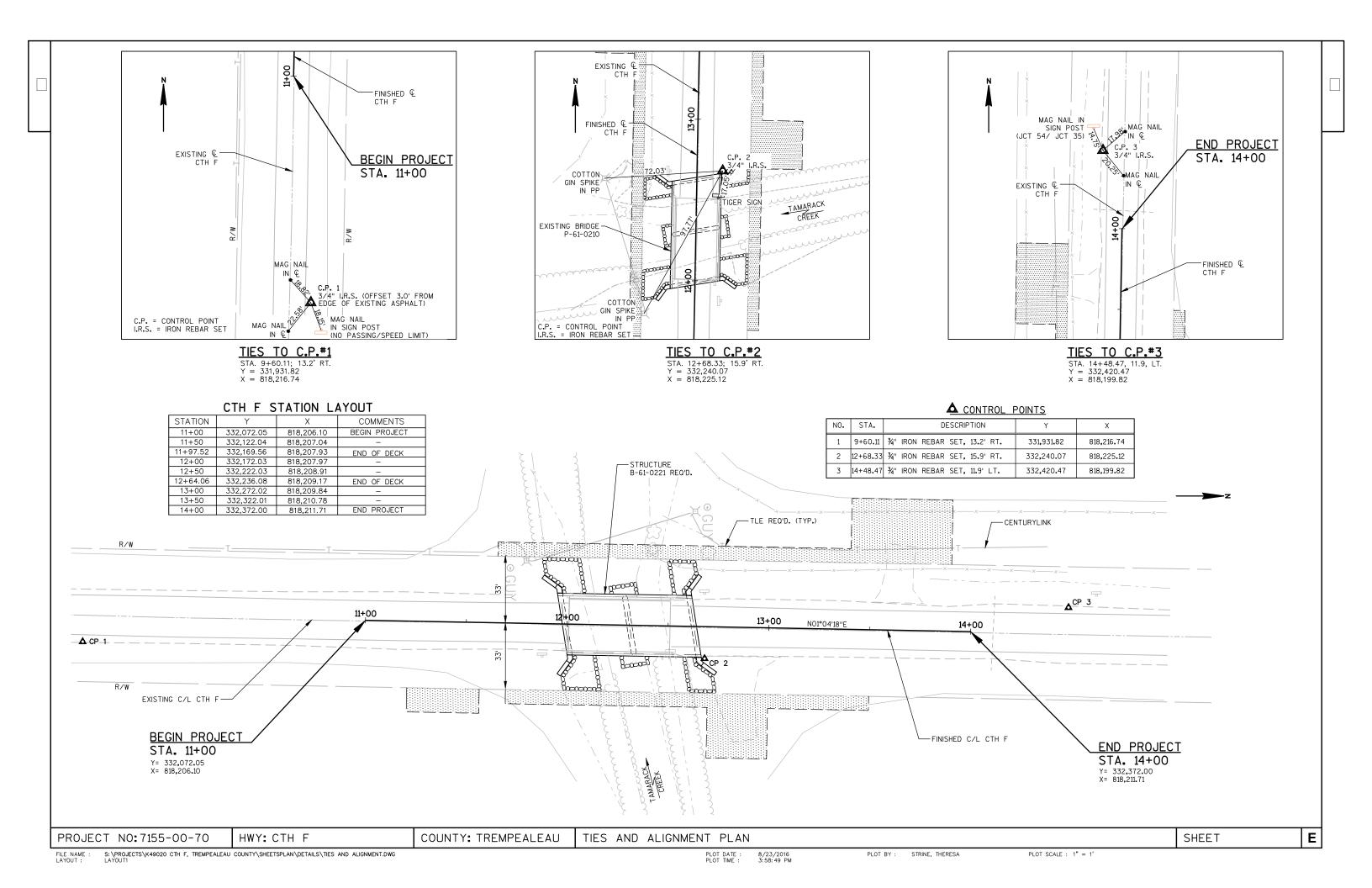
CROSS SECTION VIEW

- 1. EXACT LOCATION OF E.B.S. (EXCAVATION BELOW SUBGRADE) SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 2. E.B.S. AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER. BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
- 3. THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED. LATERAL LIMITS OF EXCAVATION

SHALL BE THE SUBGRADE SHOULDER POINTS.

EXCAVATION BELOW SUBGRADE (E.B.S.)

PROJECT NO:7155-00-70 HWY:CTH F COUNTY:TREMPEALEAU CONSTRUCTION DETAILS SHEET **E**



Estimate Of Quantities

74	r	Δ	70	

					7155-00-70
Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	1.000	1.000
0020	201.0205	Grubbing	STA	1.000	1.000
0030	203.0600.S	_	LS	1.000	1.000
0040	205.0100	Excavation Common	CY	360.000	360.000
0050	206.1000	Excavation for Structures Bridges (structure) 01.B-61-0221	LS	1.000	1.000
0060	210.1500	Backfill Structure Type A	TON	220.000	220.000
0070	213.0100	Finishing Roadway (project) 01.7155-00-70	EACH	1.000	1.000
0800	305.0110	Base Aggregate Dense 3/4-Inch	TON	110.000	110.000
0090	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	460.000	460.000
0100	455.0605	Tack Coat	GAL	40.000	40.000
0110	465.0105	Asphaltic Surface	TON	180.000	180.000
0120	502.0100	Concrete Masonry Bridges	CY	209.000	209.000
0130	502.3200	Protective Surface Treatment	SY	260.000	260.000
0140	505.0400	Bar Steel Reinforcement HS Structures	LB	6,230.000	6,230.000
0150	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	26,810.000	26,810.000
0160	513.4061	Railing Tubular Type M (structure) 01.B-61-0221	LF	138.000	138.000
0170	516.0500	Rubberized Membrane Waterproofing	SY	13.000	13.000
0180	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	1,810.000	1,810.000
0190	606.0300	Riprap Heavy	CY	220.000	220.000
0200	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	150.000	150.000
0210	619.1000	Mobilization	EACH	1.000	1.000
0220	624.0100	Water	MGAL	4.000	4.000
0230	625.0500	Salvaged Topsoil	SY	650.000	650.000
0230	627.0200	Mulching	SY	1,250.000	1,250.000
0250	628.1504	Silt Fence	LF	540.000	540.000
0260	628.1520	Silt Fence Maintenance	LF	1,080.000	1,080.000
0260	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0280	628.1910	Mobilizations Emergency Erosion Control	EACH SY	3.000	3.000
0290	628.6005	Turbidity Barriers		280.000	280.000
0300	628.7504	Temporary Ditch Checks	LF	20.000	20.000
0310	628.7555	Culvert Pipe Checks	EACH	8.000	8.000
0320	629.0210	Fertilizer Type B	CWT	1.000	1.000
0330	630.0120	Seeding Mixture No. 20	LB	35.000	35.000
0340	630.0160	Seeding Mixture No. 60	LB	1.000	1.000
0350	630.0200	Seeding Temporary	LB	20.000	20.000
0360	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0370	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0380	638.2602	Removing Signs Type II	EACH	7.000	7.000

					7155-00-70
Line	Item	Item Description	Unit	Total	Qty
0390	638.3000	Removing Small Sign Supports	EACH	7.000	7.000
0400	642.5001	Field Office Type B	EACH	1.000	1.000
0410	643.0100	Traffic Control (project) 01.7155-00-70	EACH	1.000	1.000
0420	645.0120	Geotextile Type HR	SY	370.000	370.000
0430	646.0106	Pavement Marking Epoxy 4-Inch	LF	680.000	680.000
0440	650.4500	Construction Staking Subgrade	LF	235.000	235.000
0450	650.5000	Construction Staking Base	LF	235.000	235.000
0460	650.6500	Construction Staking Structure Layout (structure) 01.B-61-0221	LS	1.000	1.000
0470	650.9910	Construction Staking Supplemental Control (project) 01.7155-00-70	LS	1.000	1.000
0480	650.9920	Construction Staking Slope Stakes	LF	235.000	235.000
0490	690.0150	Sawing Asphalt	LF	40.000	40.000
0500	715.0502	Incentive Strength Concrete Structures	DOL	1,254.000	1,254.000
0510	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0520	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

EARTHWORK SUMMARY

Г							
		P					
		(1)		UNEXPANDED	EXPANDED		
		205.0100		FILL	FILL	MASS	
		COMMON EXCAVATION	AVAILABLE	(CY)	(CY)	ORDINATE	
		CUT (1)	MATERIAL		FACTOR	+/-	WASTE
FROM/TO STA	LOCATION	(CY)	(CY) (2)		1.25 (3)	(CY) (4)	(CY)
12+30 - 14+00	MAINLINE	320	320	75	95	225	225
11+38	MAINLINE RT.	15	15	-	-	15	15
13+64	MAINLINE, LT.	25	25	-	-	25	25
TO ⁻	TALS =	360	360	75	95	265	265

- 1.) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
- 2.) AVAILABLE MATERIAL = CUT
- 3.) EXPANDED FILL FACTOR 1.25: EXPANDED FILL = (UNEXPANDED FILL)*1.25
 4.) THE MASS ORDINATE+ OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE CATEGORY. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE CATEGORY.

P PAY PLAN QUANTITY

			TOTALS =	= 110)	25 460			TOTAL S	S = 40	180	
WATER PROJECT 624.0100 (MGAL) 4 4	LOCATION MAINLINE UNDISTRIBUTED TOTALS = **P** PAY PLAN QUAN \$ STA. 11+97-STA. 12- STA. 12+01-STA. 12-	TOPSOIL (SY) 520 130 650 HTITY +18, RT.	**P** 627.0200 MULCHING (SY) 995 255 1250	**P** 629.0210 FERTILIZER TYPE B (CWT) 0.7 0.3	**p** 630.0120 SEEDING MIXTURE NO. 20 (LB) 26 9	**P** #630.0160 SEEDING MIXTURE NO. 60 (LB) 0.7 0.3	**P** 630.0200 SEEDING TEMPORARY (LB) 14 6	1 1	TION - STATION 11+00-11+86 12+63-14+00 12+70-14+00	SILT FE LOCATION MAINLINE, LT. MAINLINE, RT. UNDISTRIBUTED TOTALS =	628.1504 SILT FENCE (LF) 90 182 160 108	628.1520 SILT FENCE MAINTENANCE (LF) 180 364 320 216

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED TURBIDITY BARRIERS MOBILIZATION EROSION CONTROL TEMPORARY DITCH CHECKS **CULVERT PIPE CHECKS** 628.6005 628,1905 628.1910 628 7504 STATION - STATION 628.7555 LOCATION (SY) MOBILIZATIONS MOBILIZATIONS EMERGENCY LOCATION STATION (LF) STATION LOCATION (EACH) 11+86-12+18 MAINLINE 123 EROSION CONTROL EROSION CONTROL 11+80 MAINLINE, RT. MAINLINE, RT 10 12+48-12+75 MAINLINE 105 14+11 PROJECT (EACH) UNDISTRIBUTED 10 UNDISTRIBUTED UNDISTRIBUTED 52 7155-00-70 TOTALS = 20 TOTALS = 280 TOTALS = TOTALS = PERMANENT SIGNING REMOVING SIGNS TYPE II AND REMOVING SMALL SIGN SUPPORTS 634.0612 637 2230 POSTS WOOD SIGNS 638.2602 638.3000 4X6 - INCH TYPE JI REMOVING REMOVING SIZE X 12-FT REFLECTIVE F SIGNS SMALL SIGN DESCRIPTION (INCH X INCH) STATION (EACH) (SF) TYPEII SUPPORTS SW QUADRANT STRUCTURE B-61-0221 W5-52L 12X36 3.00 STATION LOCATION DESCRIPTION (EACH) (EACH) NW QUADRANT STRUCTURE B-61-0221 W5-52R 12X36 3 00 125'± NORTH OF STH 35/CTH F INTERSECTION 40 TON BRIDGE, X MILES AHEAD SE QUADRANT STRUCTURE B-61-0221 12X36 W5-52R 3.00 11+88 MAINLINE, RT WEIGHT LIMIT-40 TONS NE QUADRANT STRUCTURE B-61-0221 ₩5-52L 12X36 3.00 SW QUADRANT STRUCTURE P-61-0210 BRIDGE HASH MARKS NW QUADRANT STRUCTURE P-61-0210 BRIDGE HASH MARKS TOTALS = 12.00 SE QUADRANT STRUCTURE P-61-0210 BRIDGE HASH MARKS NE QUADRANT STRUCTURE P-61-0210 BRIDGE HASH MARKS 12+68 MAINLINE, LT. WEIGHT LIMIT-40 TONS TOTALS = CONSTRUCTION STAKING PAVEMENT MARKING EPOXY 4-INCH SAWING ASPHALT CONSTRUCTION STAKING *650.6500 650.9910 646.0106 690.0150 STRUCTURE SUPPLEMENTAL 650.9920 STATION - STATION LOCATION DESCRIPTION (LF) LOCATION STATION (LF) 650 5000 650 4500 LAYOUT CONTROL SLOPES 11+00-14+00 MAINLINE SKIP DASH CENTERLINE 80 MAINLINE SUBGRADE BASE STAKES 11+00 (B-61-0221) (01. 7155-00-70) 11+00-14+00 MAINLINE, LT WHITE EDGELINE 300 14+00 MAINLINE 20 STATION - STATION LOCATION (LF) (LS) (LS) (LF) 11+00-14+00 MAINLINE, RT. WHITE EDGELINE 300 11+00 - 14+00 MAINLINE 235 TOTALS = 40 TOTALS = 680 235 235 TOTALS = 235 *CATEGORY 020 Ε PROJECT NO: 7155-00-70 COUNTY: TREMPEALEAU SHEET HWY: CTH F MISCELLANEOUS QUANTITIES

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	ΑP	PROPERTY LINE	PL
		RECORDED AS	(100')
ACCESS RIGHTS	AR	REFERENCE LINE	R/L
ACRES	AC.	RELEASE OF RIGHTS	ROR
AND OTHERS	ET.AL.	REMAINING	REM.
BARN	В.	RIGHTOF-WAY	R/W
CENTERLINE	c/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	SHED	S.
CORNER	COR,	STATION	STA.
CONVEYANCE OF RIGHTS	CR	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC,	VOLUME	V.
EASEMENT	EASE,	ADLONE	٧.
GARAGE	G,	CURVE DATA	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
HOUSE	н.	LONG CHORD BEARING	LCB
HOUSE TRAILER	H.T.	RADIUS	R
LAND CONTRACT	LC		
MONUMENT	MON.	DEGREE OF CURVE	D
PAGE	P.	CENTRAL ANGLE OR DELTA	DELTA
PERMANENT LIMITED EASEMENT	PLE	LENGTH OF CURVE	L
LELIGIAN CHANGE CONTRACTAL		TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND SURVEY MO (WITH POINT NUMB)		o ¹⁰⁴⁰	PROPOSED R/W LINE EXISTING H.E. LINE	
R/W MONUMENT	0	• (SET)	PROPERTY LINE	
R/W STANDARD	Δ	▲ (SET)	LOT & TIE LINES	
SIGN	1	SIGN	SLOPE INTERCEPTS CORPORATE LIMITS	
SECTION CORNER N	YNJMUNO	(19)	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	*****
SECTION CORNER S	YMBOL (NO ACCESS (BY ACQUISTION)	101101111111111111111111111111111111111
	`		NO ACCESS (BY STATUTORY AUTHORITY)	**********
FEE (HATCH VARIES	5) L	111	NO ACCESS (NEW HIGHWAY)	
TEMPORARY LIMITED EASEMENT) E	PANELSA!	SECTION LINE	
PERMANENT LIMITED) <u>k</u>	myZwinki	QUARTER LINE SIXTEENTH LINE	
R/W BOUNDARY PO	INT OF	WB20	EXISTING CENTERLINE	
PARCEL NUMBER		8	PROPOSED REFERENCE LINE	
UTILITY PARCEL NU	MBER	9	PARALLEL OFFSET	<u> </u>
SIGN NUMBER (OFF PREMISE)	•	211)	ENCROACHMENT	ŒD/TYPE
BUILDING		<u></u>	HIGHWAY EASEMENT	(//////

CONVENTIONAL UTILITY SYMBOLS

WATER		SANITARY SEWER		-SAN
GAS		STORM SEWER		- ss
TELEPHONE	 1		NON	
OVERHEAD	OH		COMPENSABLE	COMPENSABLE
TRANSMISSION LINES		POWER POLE	d	4
ELECTRIC	 Ę	TELEPHONE POLE	ø	<i>#</i>
CABLE TELEVISION	—— TV ——	TELEPHONE PEDESTA	ι¤	×
FIBER OPTIC	F0	ELECTRIC TOWER	×]

NOTES

FOUND CHONGY MOSHINGHT

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, TREMPEALEAU COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

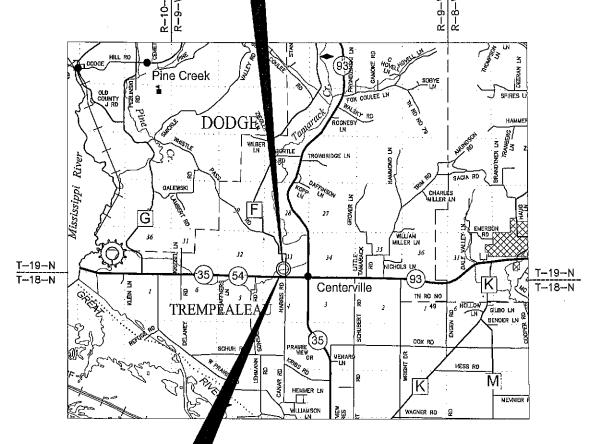
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

END RELOCATION ORDER

STA. 14+00

1586.50' SOUTH AND 2594.58' WEST OF THE E1/4
CORNER OF SECTION 33, T.19N., R.9W., TOWN OF
TREMPEALEAU, TREMPEALEAU COUNTY, WI
Y = 332,372.00
X = 818,211.71



BEGIN RELOCATION ORDER

STA. 11+00

1886.44' SOUTH AND 2600.14' WEST OF THE E1/4 CORNER OF SECTION 33, T.19N., R.9W., TOWN OF TREMPEALEAU, TREMPEALEAU COUNTY, WI Y = 332,072.05 X = 818,206.10



SCALE C 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.057 MI.

PLAT OF RIGHT-OF-WAY REQUIRED FOR
STH 35 - STH 93

(TAMARACK CREEK BRIDGE B-61-0221)

CONSTRUCTION PROJECT NUMBER 7155-00-70

TREMPEALEAU COUNTY

associates engineers, inc.
Engineers - Surveyors - Architects

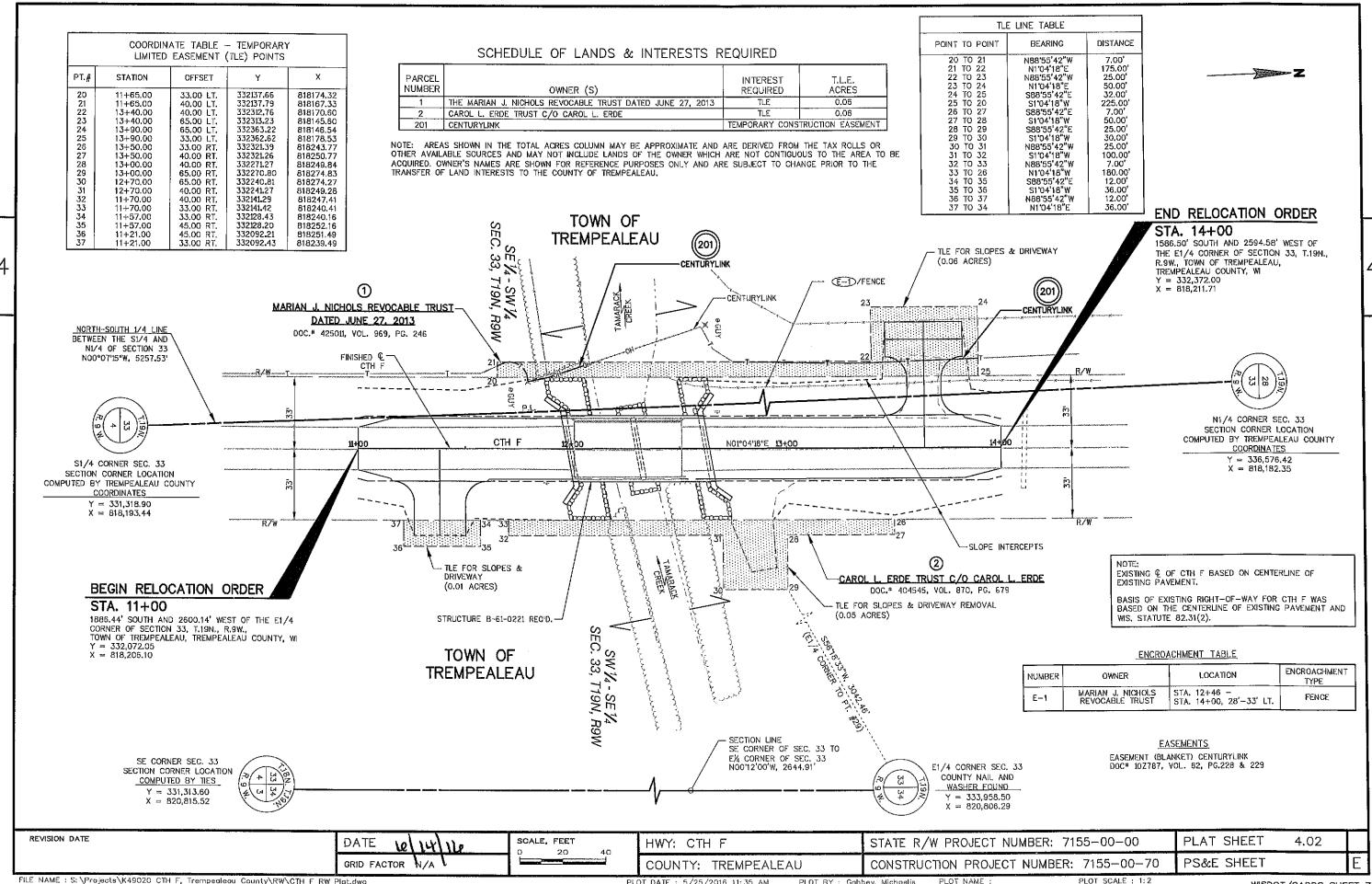
560 SUNRISE DRIVE SPRING GREEN, WI 53588 PHONE: 608.588.7484 FAX: 608.588.9322

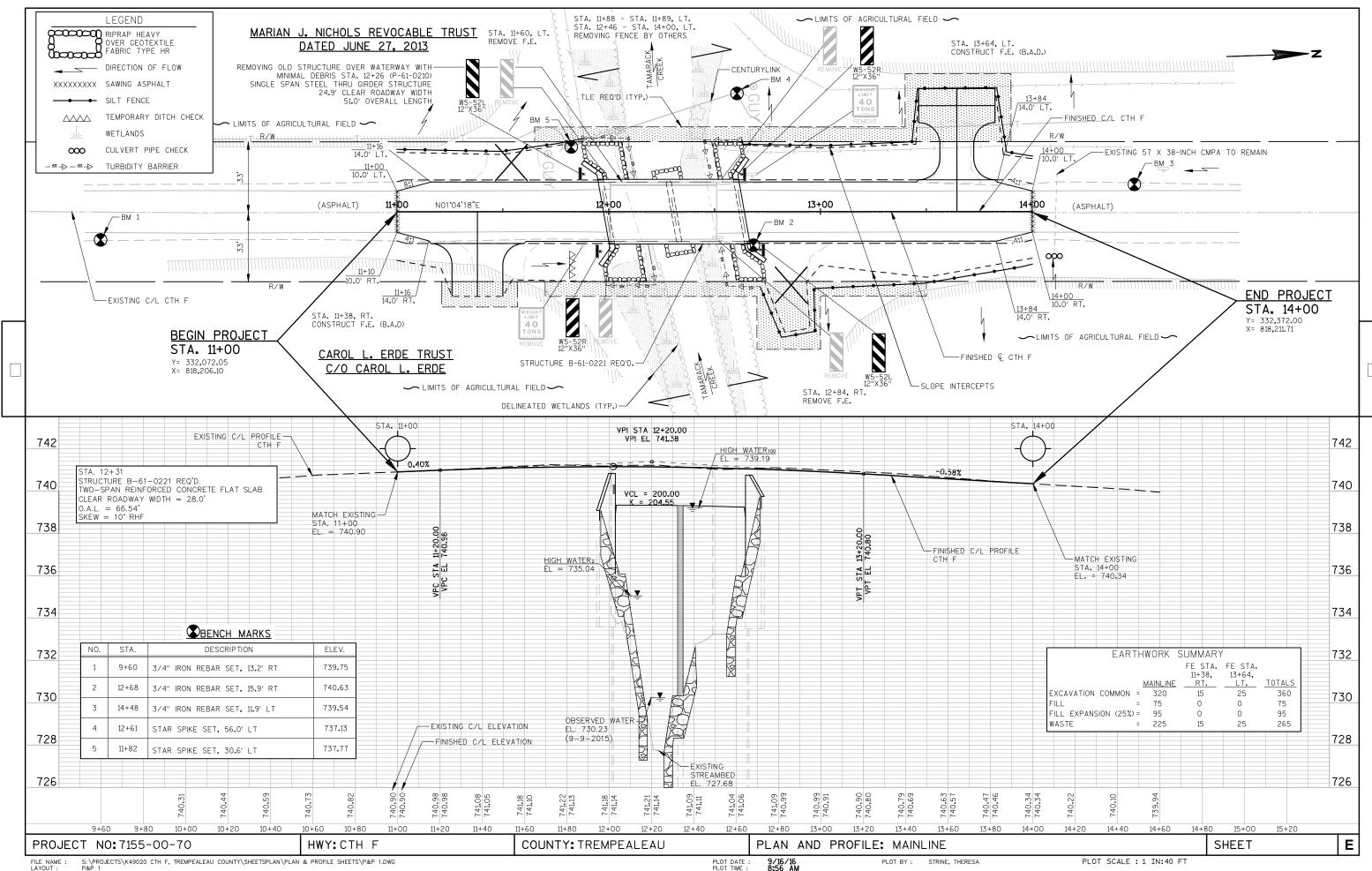
I HEREBY CERTIFY THAT THIS PLAT WAS MADE FOR TREMPEALEAU COUNTY, WISCONSIN AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISION DATE

DATE: 6/14/16 DAVE HAVE THE COMMENTALE OF THE PARTY OF TH





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)
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C06-08	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)
	,

6

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

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.

- \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 ∞

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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

|--|

3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

D.D. 12 A

3-10



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

2

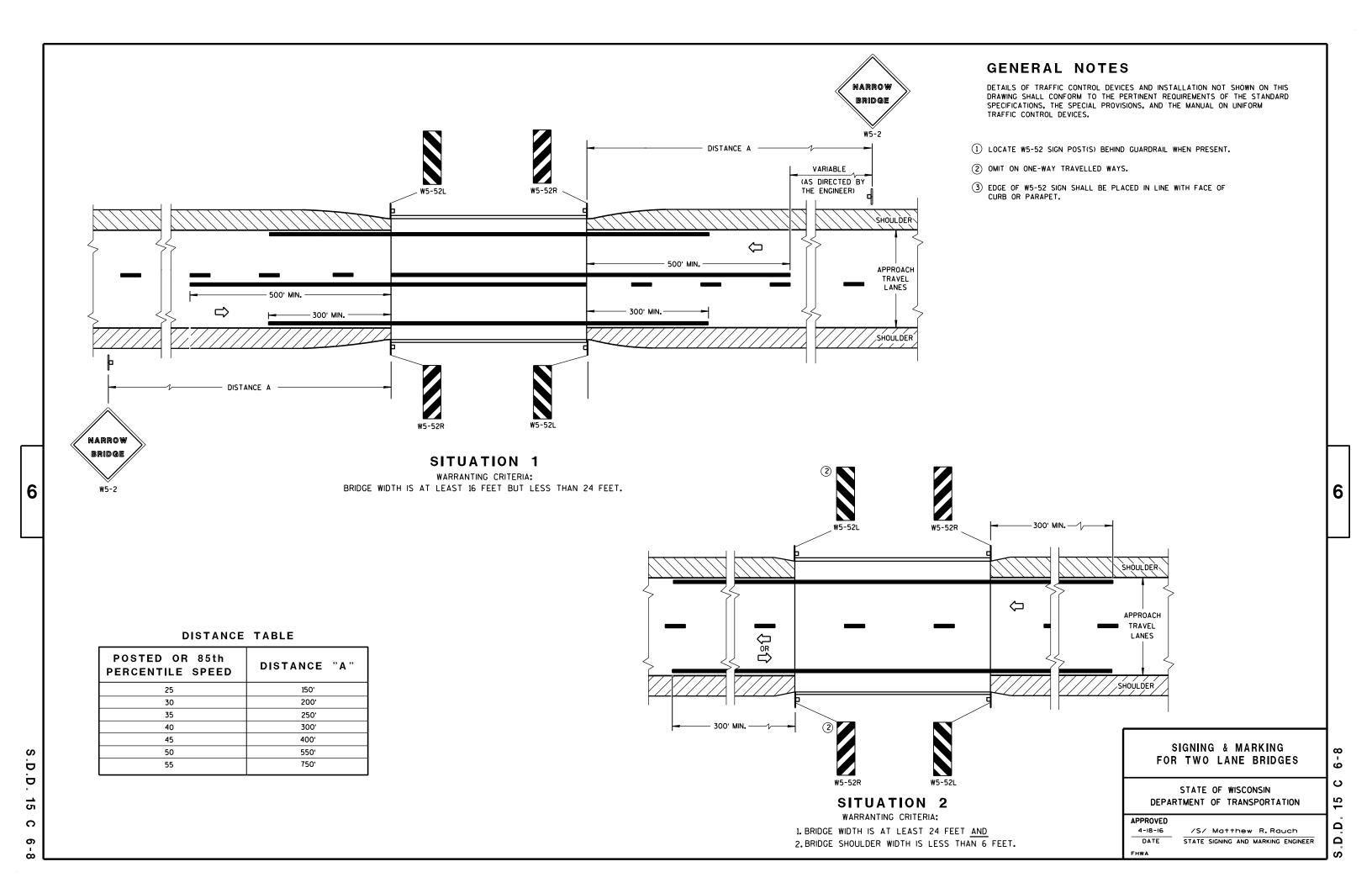
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

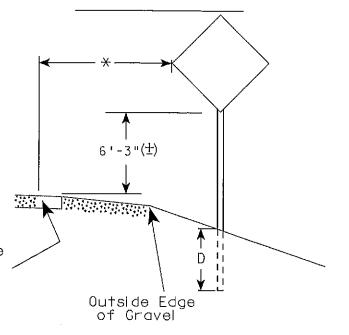




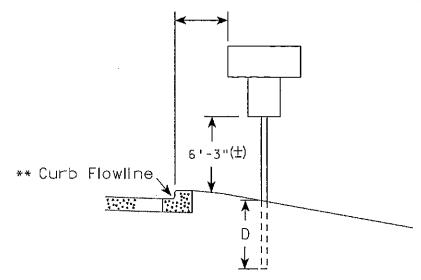
URBAN AREA

2' Min - 4' Max (See Note 6) ァ'-3"(士) ** Curb Flowline_ CHEVILLE. White Edgeline Location

RURAL AREA (See Note 2)



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



5'-3"(士) THE WASHINGTON White Edgeline D^{-1} Location Outside Edge of Gravel

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

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

GENERAL NOTES

- 1. Signs wider than 4 feet, 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" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting helaht for J assemblies (A2-1S) is 7'-3'' (±) or 6'-3'' (±) per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
- 6. Offset distance shall be consistent with existing slans 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" (±). 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 11/12/14

PLATE NO. __A4-3.19

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplote\A43.DGN

HWY:

COUNTY:

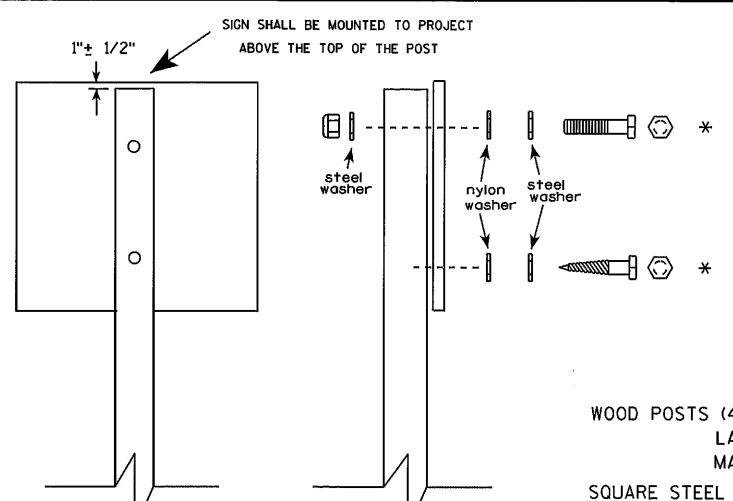
PLOT BY : mscs.ja

PLOT NAME : PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42

PROJECT NO:

PLOT DATE: 12-NOV-2014 14:03



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.

WOOD POSTS (4" \times 4" or 4" \times 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/6" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts

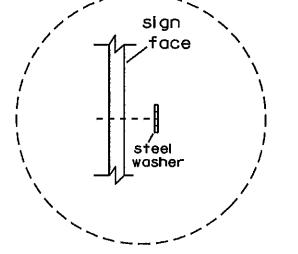
RIVETS - %32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL

O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face 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 3/23/10

O PLATE NO. A4-8.7

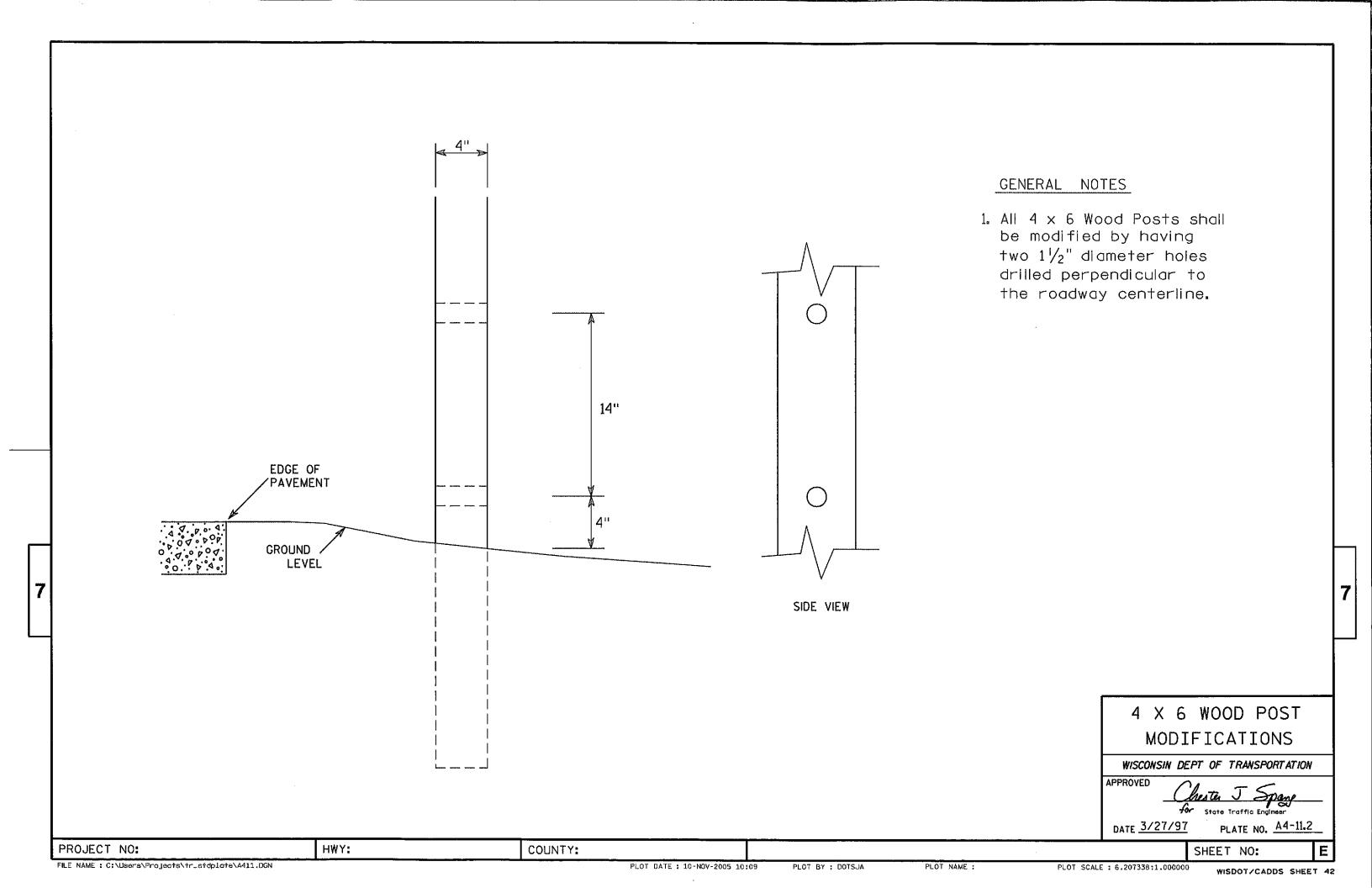
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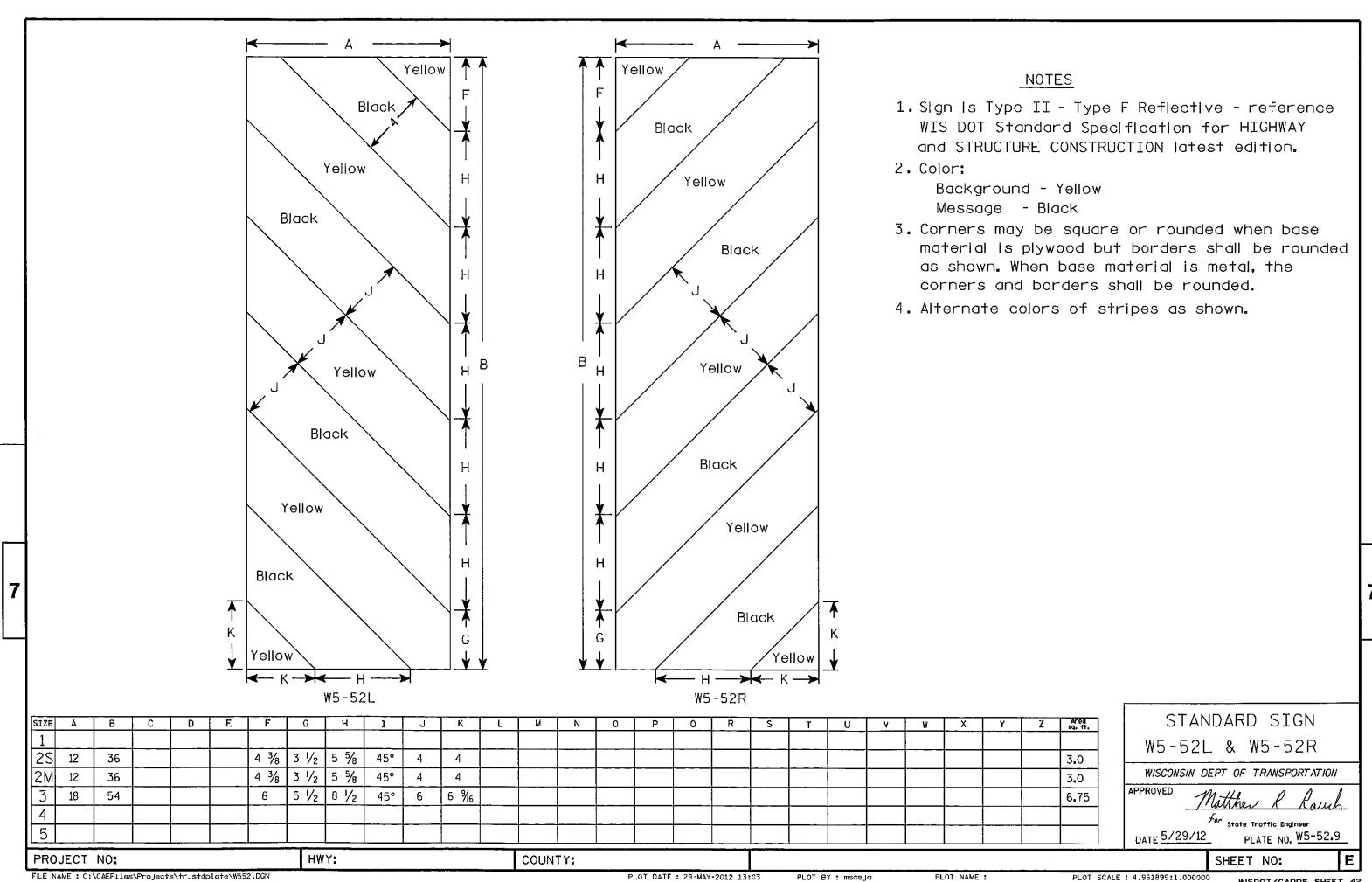
PROJECT NO:

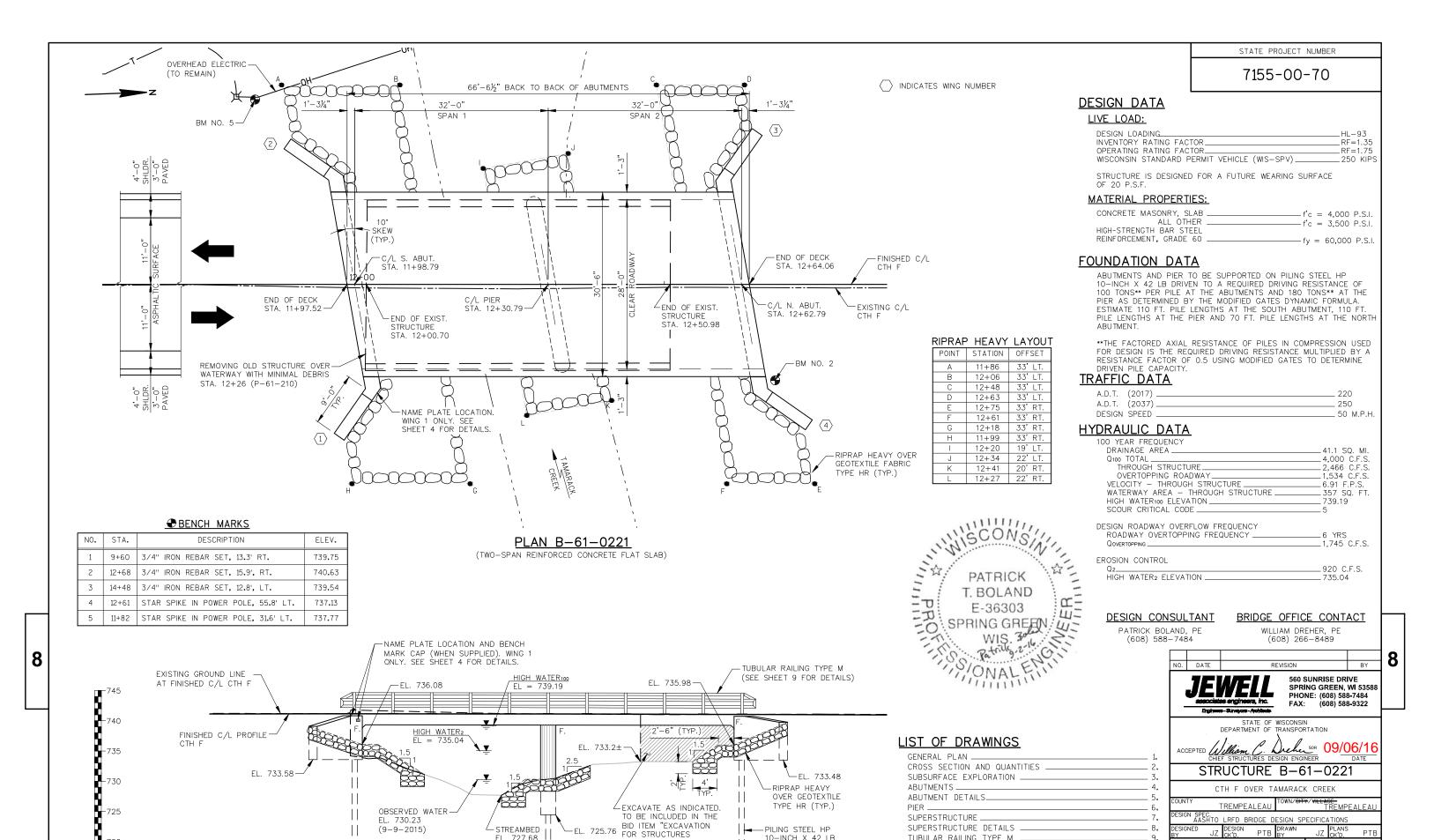
FILE NAME : C:\Users\PROJECTS\tr_stdplote\A48.DGN

PLOT DATE : 23-MAR-2010 10:15

PLOT BY : ditjph







FILE NAME : S:\PROJECTS\K49020 CTH F, TREMPEALEAU COUNTY\STRUCTURE\CAD FILES\FINALS\01 GENERAL PLAN.DWG LAYOUT1

 $\sqrt{\Gamma}$

(TYP.)

BRIDGES B-61-0221'

10-INCH X 42 LB.

EL. 727.68

ELEVATION (NORMAL TO TAMARACK CREEK)

> PLOT BY: BOLAND, PATRICK

TUBULAR RAILING TYPE M

PLOT SCALE : 1" = 1'

GENERAL PLAN

SHEET 1 OF 9

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE

THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE.

JOINT FILLER SHALL CONFORM TO A.A.S.H.T.O. DESIGNATION MI53, TYPE I, II OR III OR A.A.S.H.T.O. DESIGNATION M213.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS AND AT THE PIER SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE HR TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT AND PIER DETAILS, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

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

APPLY PROTECTIVE SURFACE TREATMENT TO THE TOP OF THE DECK, THE SIDES OF THE DECK AND THE EXTERIOR 12" OF THE UNDERSIDE OF THE DECK (CONCRETE

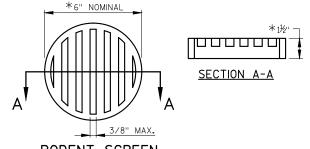
THE EXISTING STRUCTURE (P-61-0210) IS A SINGLE SPAN STEEL THRU GIRDER STRUCTURE WITH A TIMBER DECK SUPPORTED ON FULL RETAINING TIMBER ABUTMENTS. THE STRUCTURE IS 25.9' WIDE BY 51.0' LONG AND SHALL BE

ALL STATIONS AND ELEVATIONS SHOWN ARE IN FEET.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

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

-PLATE ¾"x5"x5"



RODENT SCREEN

NOTES:

1'-3''

3/4" V-GROOVE (TYP.)

OF ABUTMENTS

TERMINATE 6" FROM FACE

TUBULAR RAILING

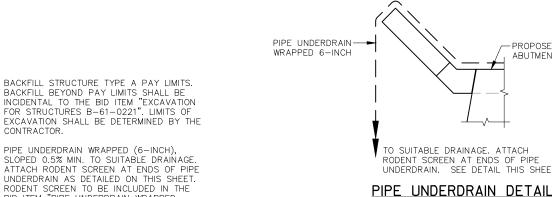
TYPE M (TYP.) FOR DETAIL SEE SHEET 9.

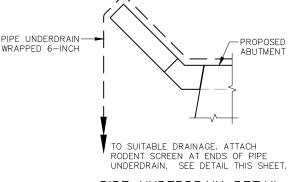
*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

ORIENT SCREEN SO SLOTS ARE VERTICAL.

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

THE RODENT SCREEN 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 SCREEN TO THE EXPOSED ENDS OF THE PIPE UNDERDRAIN. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1—INCH STAINLESS STEEL SHEET METAL SCREEN SHEET METAL SCREWS.

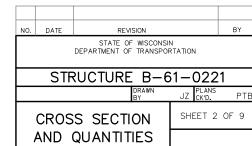




HP10x42

PILE SPLICE DETAIL

STEEL "HP" PILE MATERIAL SHALL BE ASTM A 572 GRADE 50.



DOUBLER

FLANGE

1/4"

PLATE AT

GRIND FLUSH

WELD UNDER

DOUBLER PLATE

HP WELD DETAIL

FLANGE SHOWN, WEB SIMILAR

WFID

√ 55°

3/16"

TYP

8

TOTAL ESTIMATED QUANTITIES

BACKFILL STRUCTURE DETAIL

(TYPICAL AT BOTH ABUTMENTS)

3'-0"

REQUIRED

1'-0" WITHIN ROADBED

	TOTAL ESTIMATED QUARTITIES						
ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT.	PIER	N. ABUT.	SUPER.	TOTALS
203 . 0600 . S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MIN, DEBRIS STA. 12+26	LS					1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-61-0221	LS					1
210.1500	BACKFILL STRUCTURE TYPE A	TON	110		110		220
502.0100	CONCRETE MASONRY BRIDGES	CY	27.4	36.7	27.5	117.4	209
502.3200	PROTECTIVE SURFACE TREATMENT	SY				260	260
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,305	1,620	2,305		6,230
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,330	60	1,330	24,090	26,810
513.4061	RAILING TUBULAR TYPE M B-61-0221	LF					138
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	6.5		6.5	138	13
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	770	550	490		1,810
606.0300	RIPRAP HEAVY	CY	95	59	66		220
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	75		75		150
645.0120	GEOTEXTILE TYPE HR	SY	155	105	110		370
	NON-BID ITEMS						
	FILLER	SIZE					½" & ¾"
	NAME PLATE						
		\vdash					

30'-6" OUT TO OUT OF DECK

28'-0" CLEAR ROADWAY

AT PIER

PROPOSED CROSS-SECTION THROUGH ROADWAY LOOKING NORTH

SUBGRADE

LIMITS OF BACKFILL

BACKFILL STRUCTURE TYPE A

C/L CTH F-

14'-0"

-POINT REFERRED TO ON PROFILE GRADE LINE

FACE OF RAIL-

IN SPAN

CONTRACTOR.

5"

TYP.

◆ BACKFILL STRUCTURE TYPE A PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO THE BID ITEM "EXCAVATION FOR STRUCTURES B-61-0221". LIMITS OF

● PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPED 0.5% MIN. TO SUITABLE DRAINAGE.

UNDERDRAIN AS DETAILED ON THIS SHEET.

RODENT SCREEN TO BE INCLUDED IN THE

BID ITEM "PIPE UNDERDRAIN WRAPPED

14'-0"

2.0%

-FACE OF RAIL

-RIPRAP HEAVY OVER

GEOTEXTILE TYPE HR

AT ABUTMENT

BRIDGE STRUCTURE -

STA, 12+20, 741,38 1=200 K=204.55 0.58% +0.40%

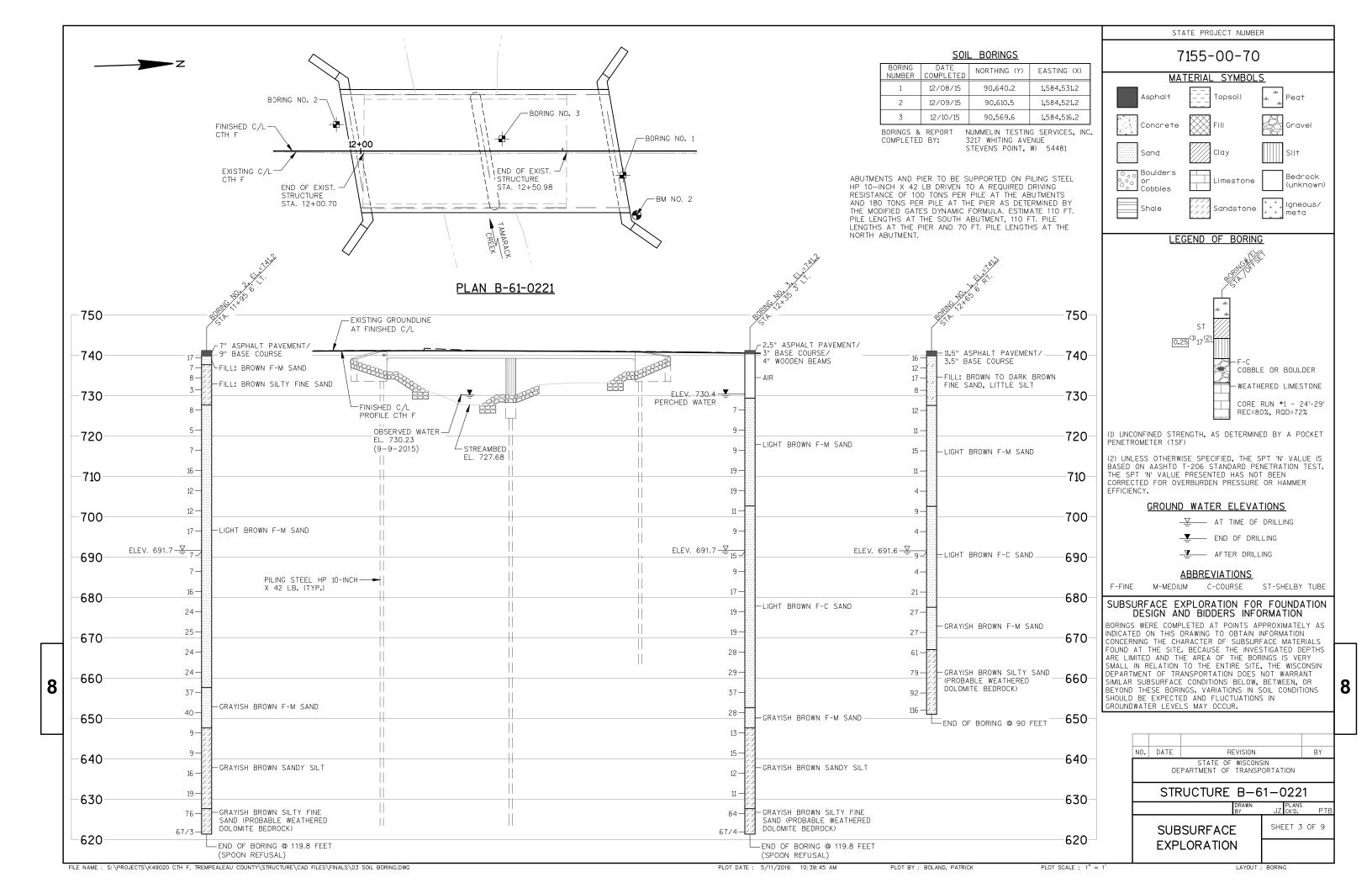
PROFILE GRADE LINE

S:\PROJECTS\K49020 CTH F, TREMPEALEAU COUNTY\STRUCTURE\CAD FILES\FINALS\02 CROSS SECTION AND QUANTITIES.DWG

PLOT BY : BOLAND, PATRICK

PLOT SCALE : 1" = 1'

1'-3''





7155-00-70

NOTES

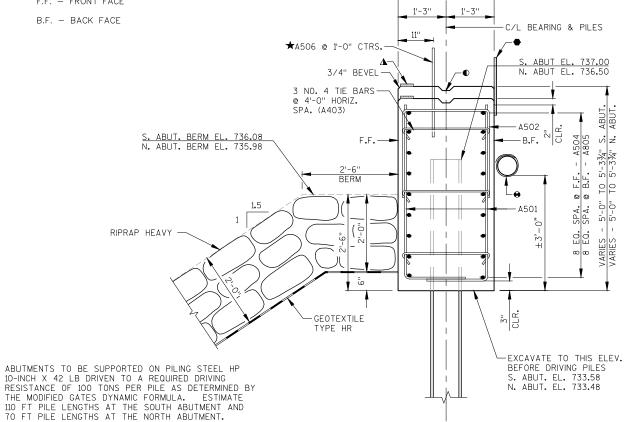
SOME BARS HAVE BEEN OMITTED FOR CLARITY. SEE SHEET 5 FOR BILL OF BARS.

DO NOT PLACE FILL HIGHER THAN 3 FEET FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS

SPACE REINFORCEMENT TO MISS PILING

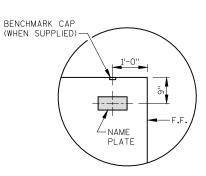
F.F. - FRONT FACE

B.F. - BACK FACE



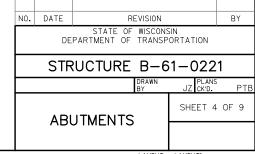
LEGEND

- KEYED CONSTRUCTION JOINT FORMED BY SURFACED & BEVELED 2x6.
- VERTICAL 18" RUBBERIZED MEMBRANE WATERPROOFING EXTEND FROM 9" BELOW BRIDGE SEAT TO 1" BELOW TOP OF WINGS.
- 18" RUBBERIZED MEMBRANE WATERPROOFING. (HORIZONTAL)
- ▲ ½" FILLER EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY, NON-BITUMINUOS JOINT SEALER. (1" DEEP & HOLD %" BELOW SURFACE OF CONCRETE)
- ⚠ 34" x 4" PREFORMED FILLER, EXTEND FULL LENGTH OF ABUTMENTS
- * A506 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE IT HAS TAKEN ITS INITIAL SET. EMBED BAR 1'-0"
- PILE SPACING MEASURED AT BASE OF SHAFT.
- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPED 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON SHEET 2. RODENT SCREEN TO BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH.



TYPICAL SECTION THROUGH ABUTMENT BODY

NAME PLATE AND BENCHMARK CAP DETAIL



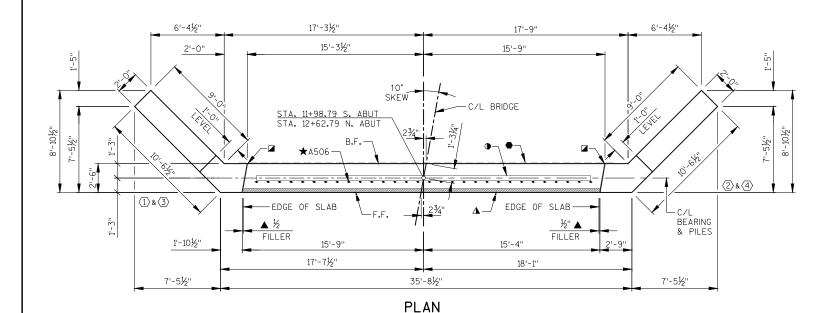
C/L BRIDGE -S. ABUT. EL. 740.83 N. ABUT. EL. 740.73 S. ABUT. EL. 740.83 S. ABUT. EL. 738.58 N. ABUT. EL. 738.50 N. ABUT. EL. 740.75 CONST. JNT. (TYP.) S. ABUT. EL. 738.89 S. ABUT. EL. 738.58 N. ABUT. EL. 738.48 N. ABUT. EL. 738.80 ★A506 → — A501 - A501 (1)&(3) (2)&(4) A805 Δ504 - S. ABUT. EL. 733.58 N. ABUT. EL. 733.48

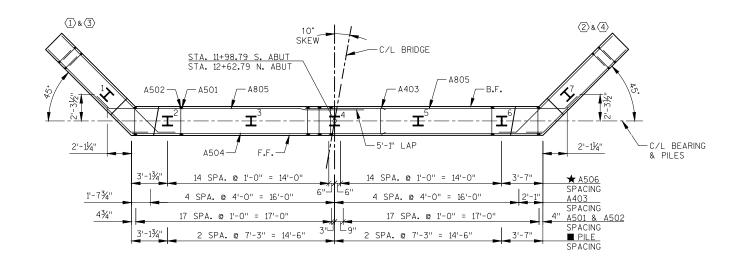
BACK FACE BAR STEEL REINF.

FRONT FACE BAR STEEL REINF.

ELEVATION

(SOUTH ABUTMENT LOOKING SOUTH) (NORTH ABUTMENT LOOKING NORTH)





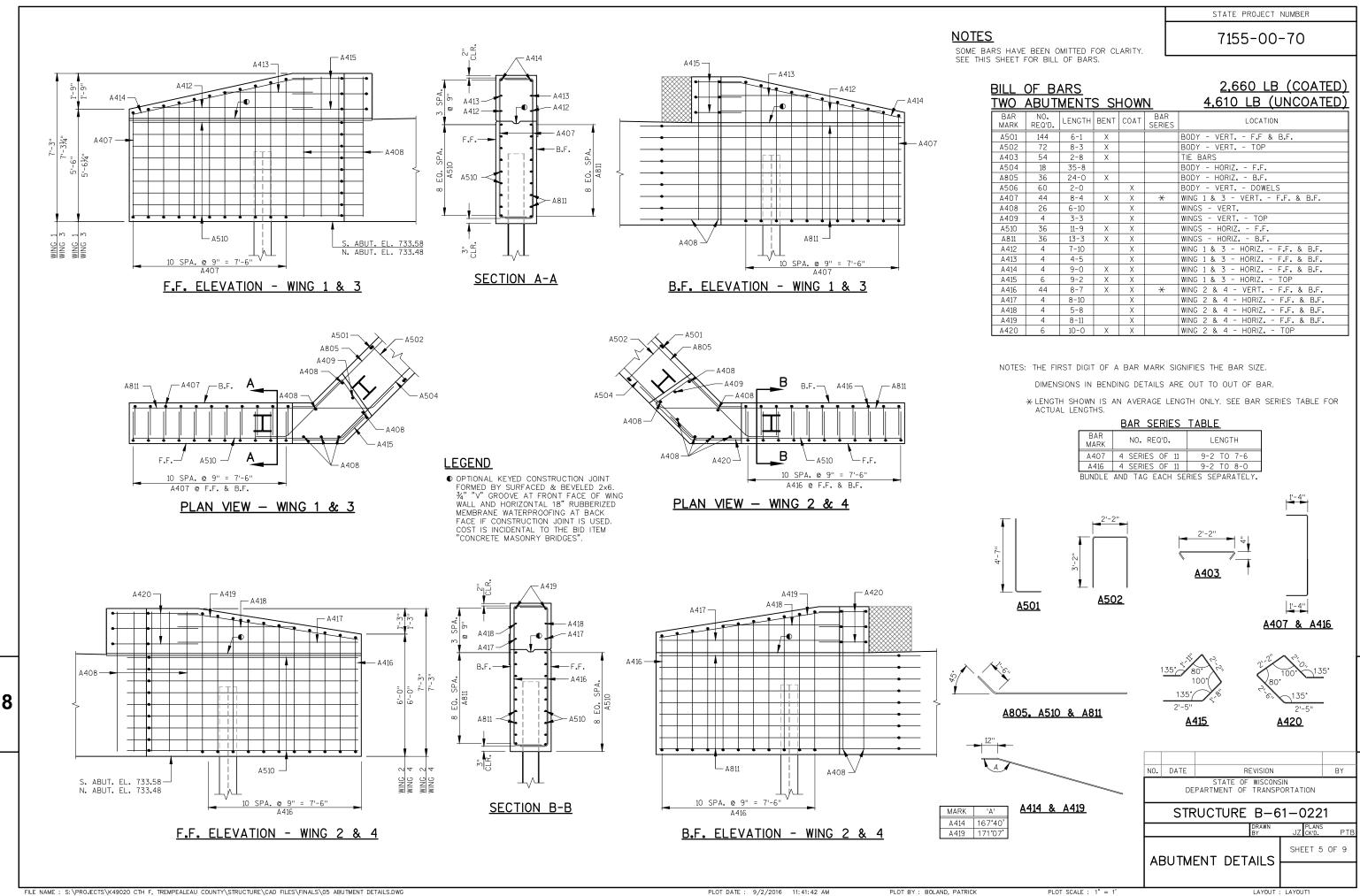
LAYOUT

8

PLOT DATE: 9/2/2016 11:41:32 AM

PLOT BY: BOLAND, PATRICK

LAYOUT : LAYOUT1



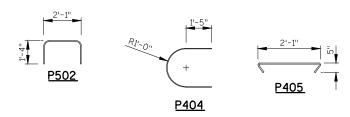
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STATE PROJECT NUMBER

7155-00-70



NOTES: THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE. DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.



NOTES

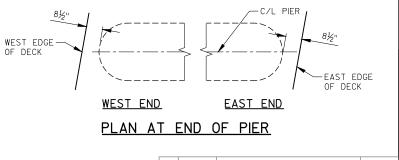
SOME BARS HAVE BEEN OMITTED FOR CLARITY. SEE THIS SHEET FOR BILL OF BARS.

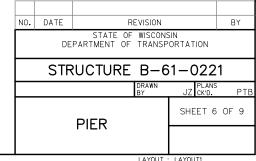
TOP OF PIER ELEVATIONS ARE 3/4" BELOW BOTTOM OF DECK TO ALLOW FOR

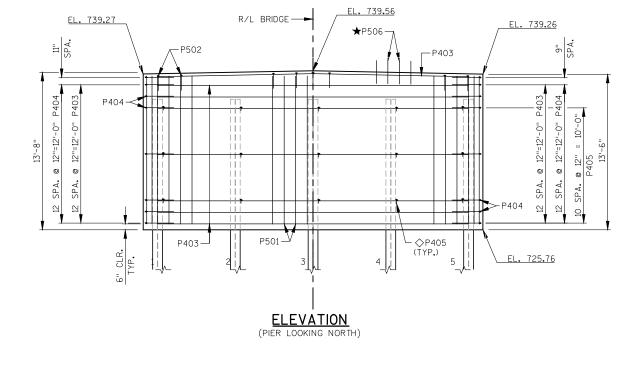
E.F. - EACH FACE

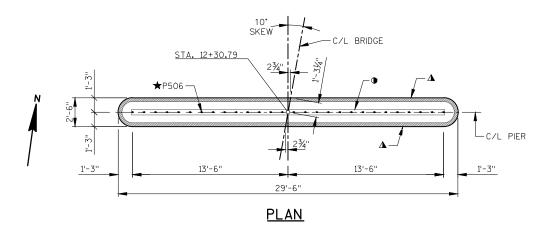
LEGEND

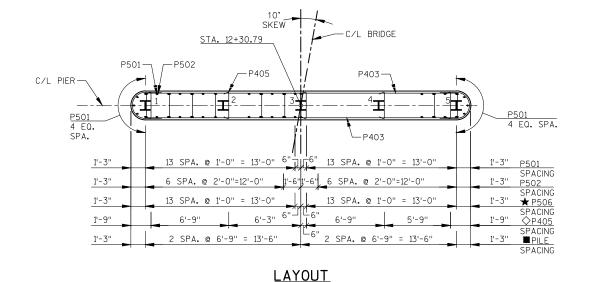
- KEYED CONSTRUCTION JOINT FORMED BY SURFACED & BEVELED 2x6.
- ▲ ¾"x4" PREFORMED FILLER, EXTEND FULL LENGTH OF PIER AS SHOWN.
- \bigstar P506 bars may be placed after concrete is poured but before it has taken its initial set. Embed bar 1'-0".
- PILE SPACING MEASURED AT BASE OF SHAFT.
- ♦ PLACE P407 BARS ADJACENT TO PILING @ 12" VERTICAL SPACING FROM BASE OF SHAFT TO TOP OF PILING.

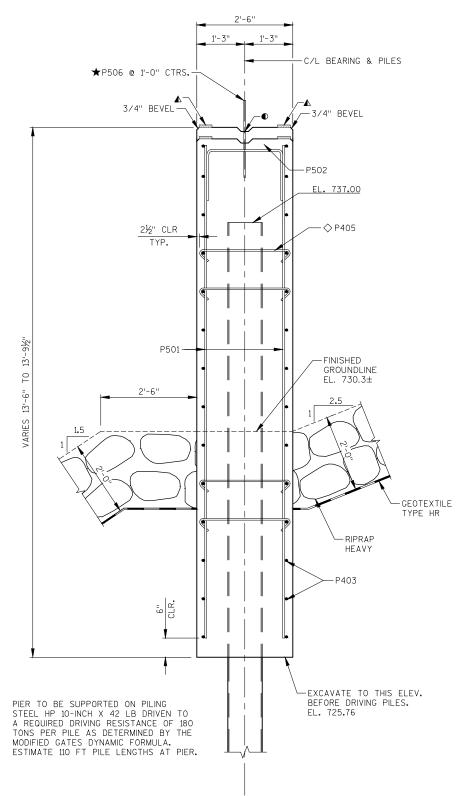












TYPICAL SECTION THROUGH PIER

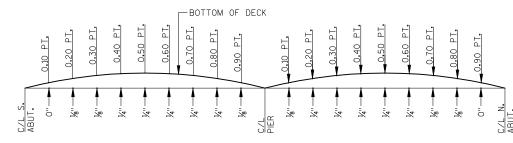
8

8

7155-00-70

TOP OF DECK ELEVATIONS

	C/L S.	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	C/L	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	C/L N.
	ABUT.	PNT.	PIER	PNT.	ABUT.																
W. EDGE	740.83	740.83	740.83	740.83	740.83	740,83	740.83	740.83	740.82	740.82	740.82	740.81	740.81	740.80	740.80	740.79	740.78	740.78	740.77	740.76	740.75
C/L	741.14	741.14	741.14	741.14	741.14	741.14	741.14	741.13	741.13	741.13	741.12	741.12	741.11	741.11	741.10	741.09	741.09	741.08	741.07	741.06	741.05
E. EDGE	740.83	740.83	740.83	740.83	740.83	740.83	740.82	740.82	740.82	740.81	740.81	740.80	740,80	740.79	740.79	740.78	740.77	740.76	740.75	740.74	740.73



CAMBER DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR THEORETICAL DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB OR CENTER LINE FOLLOW THIS PROCEDURE:

- TOP OF SLAB ELEVATION AT FINAL GRADE
- -SLAB THICKNESS
- +CAMBER
- +FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (COMPUTED BY CONTRACTOR)
 =TOP OF SLAB FALSEWORK ELEVATION.

SURVEY TOP OF DECK ELEVATIONS

	s.	ABUT.	0.50	PT.	PIER	0.50	PT.	N.	ABUT.
W. EDGE OF DECK									
CENTER LINE									
E. EDGE OF DECK									

PRIOR TO RELEASING SLAB FASLEWORK, TAKE TOP OF DECK ELEVATIONS AT THE C/L OF THE ABUTMENTS, THE C/L OF THE PIERS AND AT 0.50 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG THE EDGE OF DECK AND CENTER LINE. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

<u>NOTES</u>

SOME BARS HAVE BEEN OMITTED FOR CLARITY. SEE SHEET 8 FOR BILL OF BARS.

SEE SUPERSTRUCTURE DETAILS SHEET (SHEET 8) FOR BAR SPACINGS NOT SHOWN ON THIS SHEET.

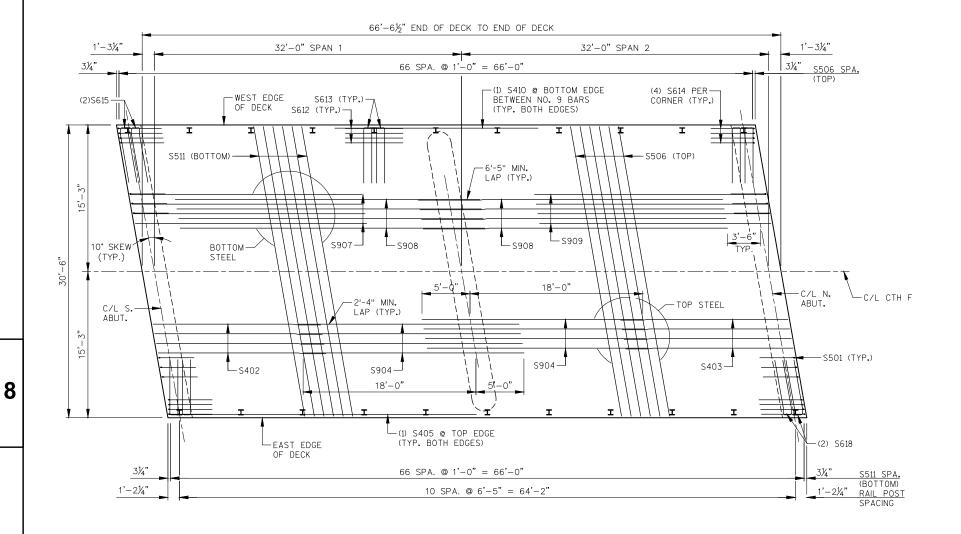
SUPPORT ALTERNATE TOP TRANSVERSE BARS IN SLAB BY INDIVIDUAL BAR CHAIRS AT APPROX. 3'-0" CENTERS. SUPPORT BOTTOM LONGITUDINAL BARS BY CONTINUOUS BAR CHAIRS AT APPROX. 4'-0" CENTERS.

PLACE TRANSVERSE BARS PARALLEL TO THE CENTERLINE OF SUBSTRUCTURE UNITS.

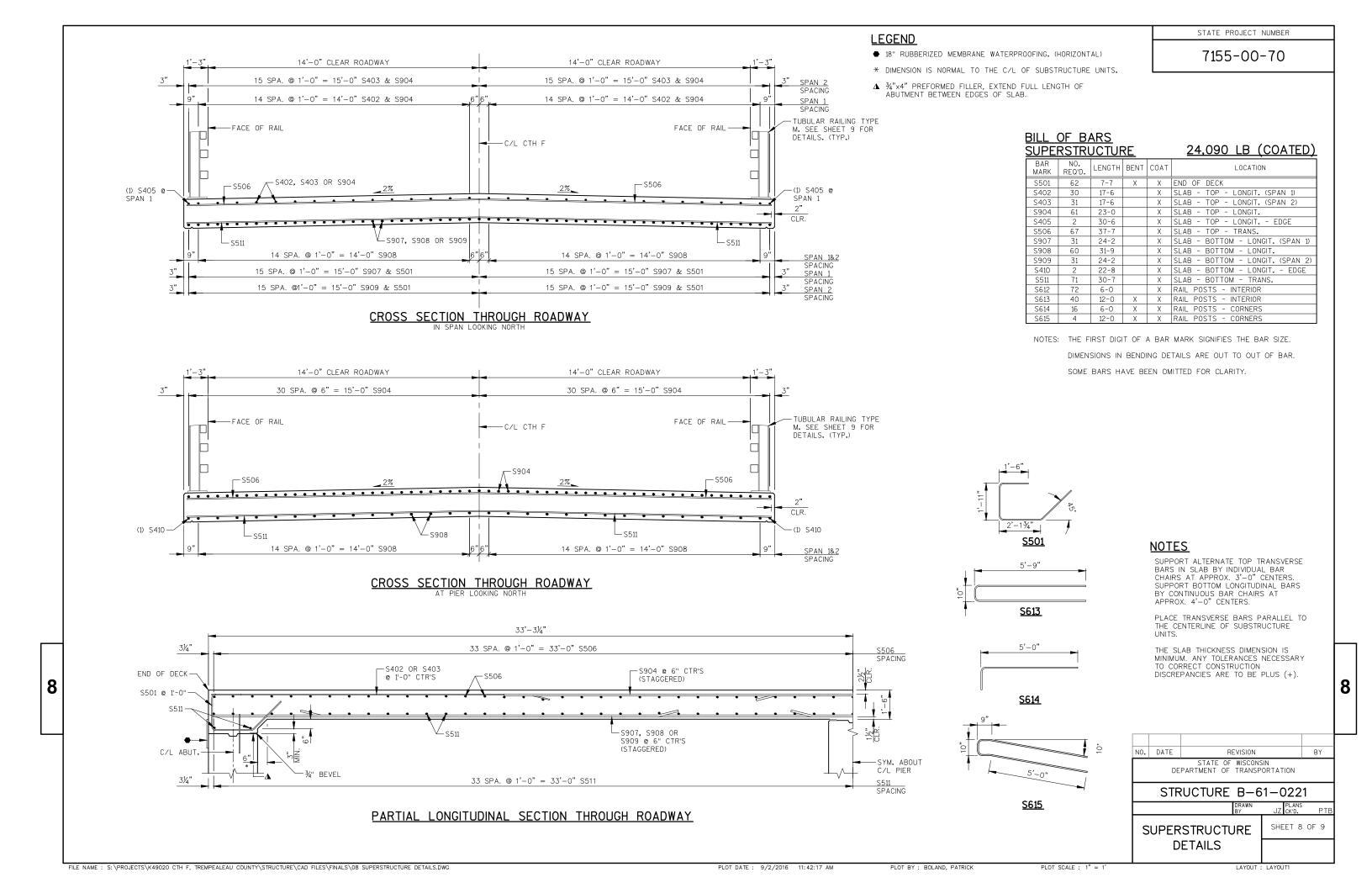
THE SLAB THICKNESS DIMENSION IS MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-61-0221 DRAWN JZ PLANS BY SHEET 7 OF 9 LAYOUT: LAYOUTI

8



<u>PLAN</u>



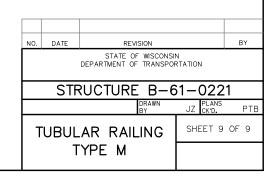
STATE PROJECT NUMBER

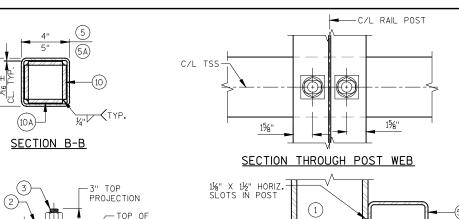
7155-00-70

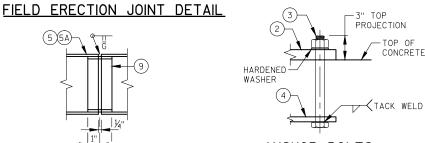
- ① W6×25 WITH 1½" × 1½" HORIZ SLOTS ON EACH SIDE OF POST FOR BOLT NO. 6. CUT BOTTOM OF POST TO MATCH CROSS SLOPE OF ROADWAY, PLACE POST VERTICAL PLACE POSTS NORMAL TO GRADE LINE.
- ② PLATE 1¼"×11¾"×1"-8" WITH 1½""×1½" SLOTTED HOLES FOR ANCHOR BOLTS NO. 3. WELD TO NO. 1 AS SHOWN. SLOTS PARALLEL TO SHORT SIDE OF PLATE.
- (3) ASTM A449 1½" DIA. ANCHOR BOLTS WITH NUT AND HARDENED WASHER (ALL GALVANIZED). 5 REQ'D. PER POST. THREAD 3" AND PLACE NORMAL TO PLATE NO. 2. CHAMFER TOP OF BOLTS BEFORE THREADING. AT POSTS ON CONCRETE SLAB SUPERSTRUCTURES WHERE THE SLAB THICKNESS IS > 16" USE 1'-3" LONG. USE 10¾" LONG AT ALL OTHER LOCATIONS.
- $\mbox{\Large 4}$ $\mbox{\Large \%"Xi"-Y"-8"}$ ANCHOR PLATE (GALVANIZED) WITH $1\mbox{\Large \%_6"}$ DIA. HOLES FOR ANCHOR BOLTS NO. 3
- (5) TSS 5x4x1/4 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.
- (5A) TSS 5x5x1/4 STRUCTURAL TUBING. ATTACH TO NO. 1 WITH NO. 6.
- (6) ¾" DIA. A325 SLOTTED ROUND HEAD BOLT WITH NUT, ¾"×1¾"×1¾" WASHER, AND LOCK WASHER (2 REQ'D. AT EACH RAIL TO POST LOCATION).
- (7) ½" THK, BACK-UP PLATE WITH 2 -½"x½" THREADED SHOP WELDED STUDS (NO. 12). BOLT TO RAIL AS SHOWN IN DETAIL. REQUIRED AT THRIE BEAM GUARD RAIL ATTACHMENTS ONLY. PLACE SYMMETRICALLY ABOUT TUBES NO. 5A.
- (8) 1" DIA. HOLES IN PLATE NO. 7 & TUBES NO. 5A FOR 1/6" DIA. A325 BOLTS WITH HEX NUTS AND WASHERS. 6 HOLES IN TUBES AND PLATE NO. 7.
- 9 SPLICE SLEEVE FABRICATED FROM 1/4" PLATE. PROVIDE "SLIDING FIT".
- (10) 3/8"×35/8"×2'-4" PLATE. 2 PER RAIL. USED IN NO. 5 & 5A.
- (10A) %"x2%"x2'-4" PLATE USED IN NO. 5, %"x3%"x2'-4" PLATE USED IN NO. 5A. 2 PER RAIL.
- (1) %" DIA. A325 ROUND HEAD BOLT WITH NUT, WASHER, AND LOCK WASHER. USE %6"×1½" LONGIT. SLOTTED HOLES AT FIELD JOINTS AND %6"×2½" MIN. LONGIT. SLOTTED HOLES AT EXP. JOINTS IN PLATE NO. 10A.
- (12) %" DIA. BY 11/2" LONG THREADED SHOP WELDED STUDS (2 REQ'D).
- $\ensuremath{\textcircled{33}}$ %"x8"x1"-6" plate, bolt to rail as shown in detail. Reo'd, at thrie beam guard rail attachments only. Place Sym. about tubes no. 5a.
- (14) %" DIA. \times 2" LONG A325 HEX BOLT WITH NUT AND WASHER (5 REQ'D.).
- 15 1" DIA. HOLES IN TUBES NO. 5A FOR 78" A325 ROUND HEAD BOLT WITH NUT, WASHER AND LOCK WASHER (4 REQ'D.). 4 HOLES IN TUBES.

GENERAL NOTES

- 1. BID ITEM SHALL BE "RAILING TUBULAR TYPE M B-61-0221" WHICH INCLUDES ALL ITEMS SHOWN.
- RAIL POST AND BASE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 50. HOLLOW RAILING STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B OR C WITH A CERTIFIED FY=50 KSI. ANCHOR PLATES AND SPLICE TUBE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709 GRADE 36.
- THE NUT SECURING THE POST BASE PLATE TO THE CONCRETE SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL ½ TURN.
- RAILS SHALL BE CONTINUOUS OVER A MINIMUM OF THREE (3) POSTS WITHOUT SPLICES WHERE POSSIBLE. RAILS SHALL BE SPLICED IN A PANEL OVER EXPANSION JOINTS.
- 5. ENDS OF TUBE SECTIONS SHALL BE SAWED. GRIND SMOOTH EXPOSED EDGES. ALL CUT ENDS SHALL BE TRUE AND SMOOTH.
- 6. WELD IS THE SAME ON BOTH FLANGES. FLANGE WELD DOES NOT REQUIRE MAGNETIC PARTICLE
- 7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.
- 8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
- 9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY S.S.P.C. SPECIFICATIONS.
- 10. THIS RAILING MEETS NCHRP REPORT 350 EVALUATION CRITERIA FOR TEST LEVEL 4 (TL-4).







2½" MIN. AT EXP. JTS.

1/3" AT FIELD JOINTS

5¼"

-PROVIDE ½"ø DRAIN HOLES IN LOW

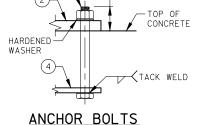
SHOP RAIL

(LOCATION MUST

<u>SPLICE DETAIL</u>

SHOWN ON SHOP DRAWINGS)

END OF ALL RAILS CLEAR OF SPLICE TUBE

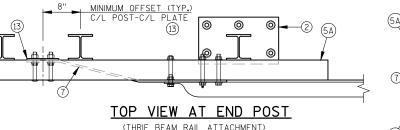


SECTION THROUGH RAIL NOTE: CONNECTIONS AT LOWER RAILS SHOWN. CONNECTIONS AT TOP RAIL SIMILAR.

TYPICAL RAIL TO POST CONNECTIONS

SECTION C-C

"ø HOLF



(THRIF BEAM RAIL ATTACHMENT)

DETAIL

S613 OR S615 - TIE TO TOP MAT OF DECK REINFORCEMENT S612 AT INTERIOR POSTS 1"ø HOLES TYP. S614 AT END POSTS

10(10A)-

PLACE BELOW TOP

MAT OF DECK

S612 AT INTERIOR POSTS S614 AT END POSTS

> └─C/L RAIL POST

REINFORCEMENT

ANCHOR PLATE

٦D V 0 0 -0 0 EDGE OF PLATE 7 AND FLANGE OF (1) SECTION D-D

AT END POST

(THRIE BEAM RAIL ATTACHMENT)

1'-8"

4'-2' -1"Ø HOLES FOR %"Ø HEX BOLTS

BACK-UP PLATE DETAIL

6'-5" POST SPA. SEE SHEET END OF DECK

PART ELEVATION OF RAILING

S:\PROJECTS\K49020 CTH F, TREMPEALEAU COUNTY\STRUCTURE\CAD FILES\FINALS\09 TUBULAR RAILING TYPE M.DWG TUBULAR RAILING TYPE M

POST SHIM

DETAIL

BOLAND, PATRICK PLOT BY:

PLOT SCALE : 1" = 1'

8

FIELD CLIP-AS REQ'D.

1/6" THK.-

1¾6"ø HOLES

BOLTS.

FOR 11/8" Ø ANCHOR

1'-3"

THIS FACE TO

BE VERTICAL

-88°51'

SECTION THROUGH RAILING ON DECK

₩

Ф

#0

5%"ø HOLES

SECTION A-A

₩-

HÐ-

113/4"

2¾"

-ф-

ANCHOR PLATE

FILE NAME LAYOUT:

8

6%"

2%"

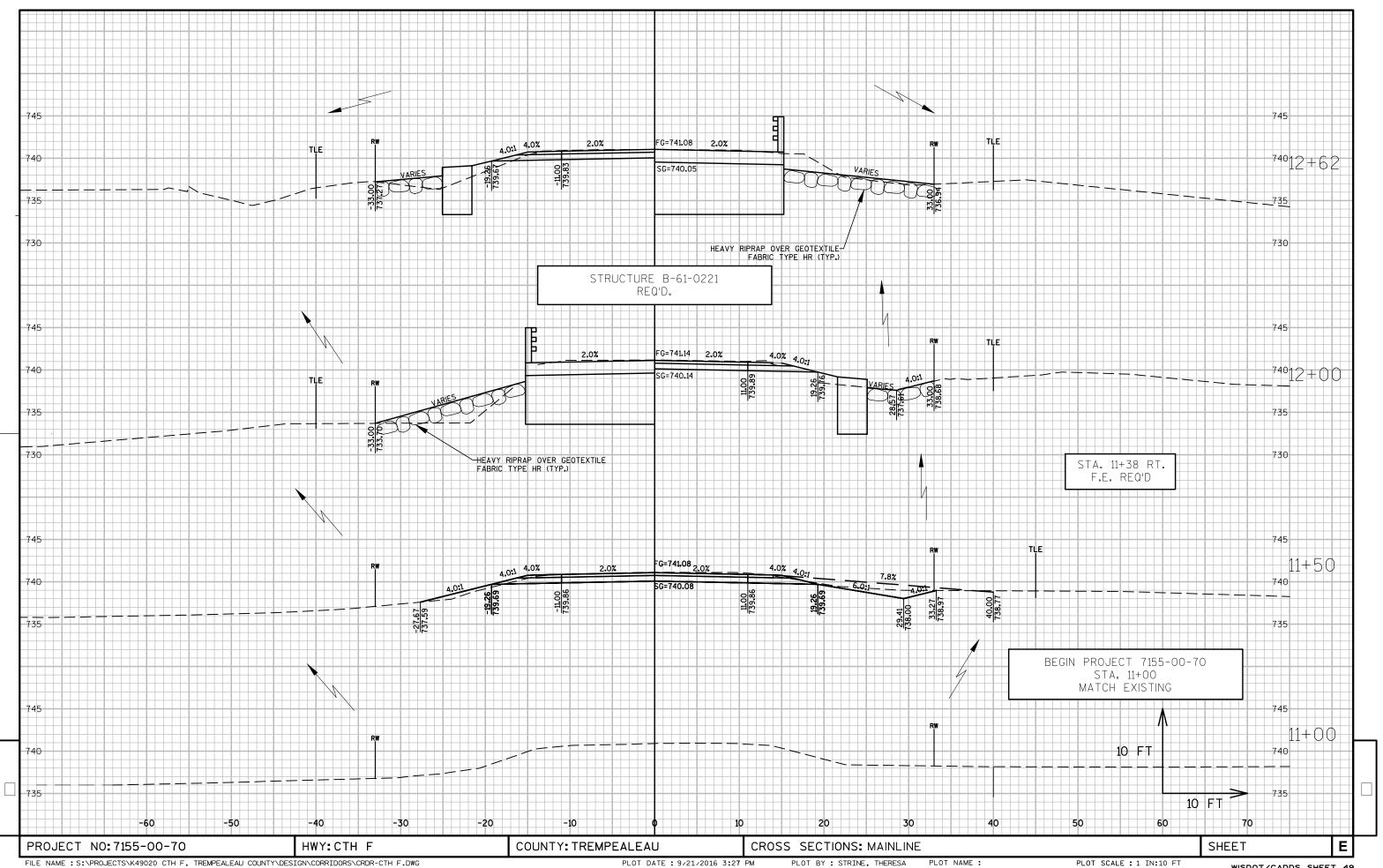
EARTHWORK-MAINLINE

	AREA (S	F)													CUMMULATIVE VOLUME (CY)								
							SALVAGED/			REDUCED							REDUCED						
		SALVAGED/					UNUSABLE	_		MARSHINFILL	FILL	SELECT CRUSHED		CUT			MARSH IN FIL		SELECT CRUSHED		MASS		
		UNUSABLE				CUT	PAV'T MATERIAL	FILL		(0.6)		MATERIAL		1.00		MARSH	(0.6)	(25%)	MATERIAL		ORDINATE		
STATION	CUT	PAV'T MATERIAL	FILL	MARSHEX	K EBS	NOTE 1	NOTE 2	NOTE 3	MARSHEX	NOTE 4	(25%)	(1.5)	EBS	NOTE 1	FILL	EX	NOTE 4	NOTE 5	(1.5)	EBS	NOTE 6		
11+00	24	0	0	0	0	0	0	0	0	Q	0	0	0	0	0	O	0	0	0	0	0		
11+50	41	0	4	0	0	60	0	3	0	0	4	Ô	0	60	3	0	0	4	0	0	56		
12+00	41	0	4	0	0	77	0	7	0	0	9	0	0	137	10	0	0	13	0	0	124		
12+00	0	0	0	0	0	0	0	0	0	0	0	0	0	137	10	0	0	13	0	0	124		
12+50	0	0	0	0	0	0	О	0	0	0	0	0	0	137	10	0	0	13	0	0	124		
12+62	0	0	0	0	0	0	0	0	0	0	0	0	0	137	10	0	0	13	0	0	124		
12+62	42	0	10	0	0	0	0	0	0	0	0	0	0	137	10	0	0	13	0	0	124		
13+00	42	0	10	0	0	60	0	14	0	0	18	0	0	197	24	0	0	31	0	0	166		
13+50	33	0	23	0	0	70	0	30	0	0	38	0	0	267	54	0	0	69	0	0	198		
14+00	24	0	0	0	0	53	0	21	0	0	26	0	0	320	75	0	0	95	0	0	225		
					COLUMN SUBTOTALS	320	0	75	0	0	95	0	0										
					MAINLINE	320	0	75	0	0	95	0	0	320	75	0	0	95	0	0	225		
					F.E Sta. 11+38, RT.	15	0	0	0	0	0	0	0	335	75	0	0	95	0	0	240		
					F.E STA. 13+64, LT.	25	0	0	0	0	0	0	0	360	75	0	0	95	0	0	265		
					PROJECT TOTALS	360	0	75	0	0	95	0	0										

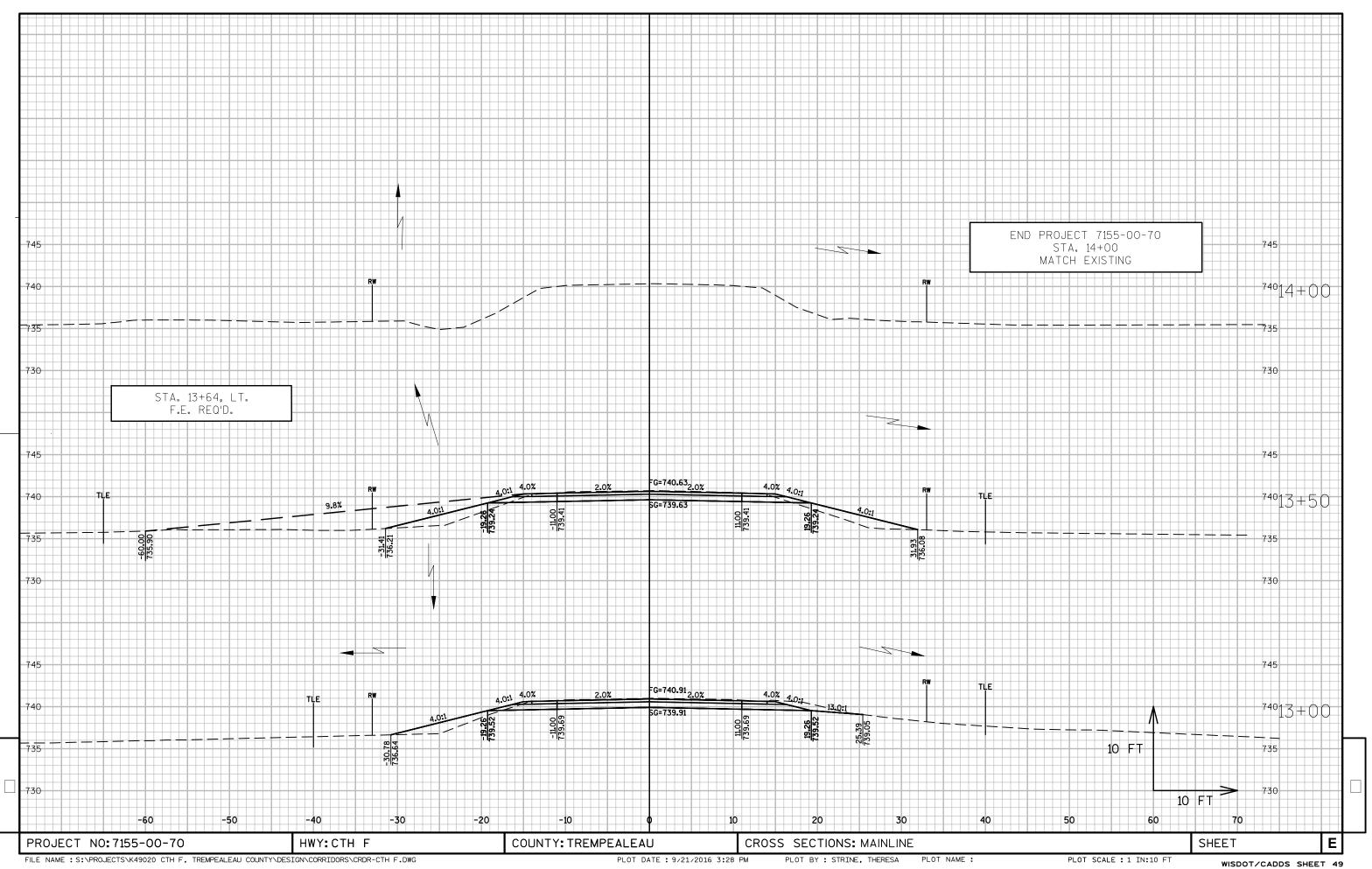
NOTES:
1 - CUT
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL
THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL
4 - REDUCED MARSH IN FILL
5 - FILL (25%)
6 - MASS ORDINATE

CUT INCLUDES SALVAGED/UNUSABLE MATERIAL
THIS DOES NOT SHOW UP IN CROSS SECTIONS
DOES NOT INCLUDE UNUSABLE PAVEMENT EXC V
REDUCED MARSH THAT CAN BE USED IN FILL
FILL 25%: (FILL -REDUCED MARSH IN FILL)*1.25 CUT INCLUDES SALVAGED/UNUSABLE MATERIAL DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

SHEET COUNTY: TREMPEALEAU EARTHWORK Ε PROJECT NO: 7155-00-70 HWY: CTH F



WISDOT/CADDS SHEET 49



Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov