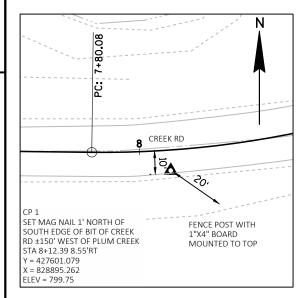
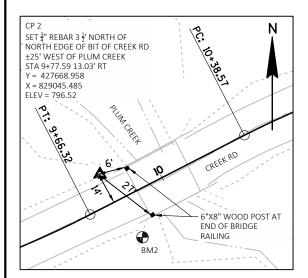
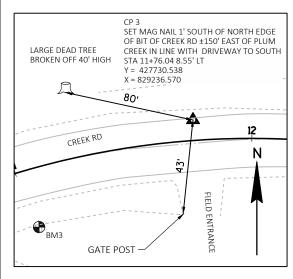


ALIGNMENT TIES







FILE NAME .

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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.

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

ALL PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

3.5" ASPHALTIC SURFACE SHALL BE CONSTRUCTED IN TWO 1.75" LAYERS.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

SILT FENCE AND TURBIDITY BARRIER IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	Α				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					•				•		
ASPHALT						.7095						
CONCRETE	.8095											
BRICK	.7080											
DRIVES, WALKS	ALKS .7585											
ROOFS	.7595											
GRAVEL ROADS.	L ROADS, SHOULDERS .4060											

TOTAL PROJECT AREA = 0.20 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.10 ACRES

UTILITY CONTACTS

RIVERLAND ENERGY COOPERATIVE - ELECTRICITY N28988 STATE RD 93 ARCADIA, WI 54612 TELEPHONE: 608.323.3381 ATTENTION: JOSH ABRAMCZAK

EMAIL: JABRAMCZAK@RIVERLANDENERGY.COM

TRI-COUNTY COMMUNICATIONS COOPERATIVE - COMMUNICATION LINE PO BOX 578 417 5TH AVENUE N. STRUM, WI 54770 TELEPHONE: 715.695.2691 ATTENTION: BUCK WEBB EMAIL: BWEBB@TCCPRO.NET



WISDOT CONTACT

WISDOT NORTHWEST REGION - EAU CLAIRE OFFICE 718 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701 TELEPHONE: 715.225.4159 ATTENTION: MATTHEW THORNSEN EMAIL: MATTHEW.THORNSEN@DOT.WI.GOV

DESIGN CONTACT

10 NORTH BRIDGE STREET CHIPPEWA FALLS, WI 54729 TELEPHONE: 715.720.6291 ATTENTION: TARA KRISTA EMAIL: TKRISTA@SEHINC.COM

WDNR CONTACT

DNR WEST CENTRAL REGION HQ 1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701 TELEPHONE: 715.495.1903 ATTENTION: AMY LESIK EMAIL: AMYL.LESIK@WISCONSIN.GOV

COUNTY CONTACT

TREMPEALEAU COUNTY HIGHWAY DEPT W20699 STATE RD 121 WHITEHALL, WI 54773 TELEPHONE: 715.538.9402 ATTENTION: AL RINKA EMAIL: AL.RINKA@CO.TREMPEALEAU.WI.US

PROJECT NO: HWY: CREEK ROAD COUNTY: TREMPEALEAU **GENERAL NOTES & CONTROL POINTS** SHEET 7284-00-71 Ε

\\SEHCF1\PROJECTS\PT\T\TREMH\146815\CIVIL 3D\SHEETSPLAN\020101-GN.DWG

PLOT DATE ·

7/25/2019 2·19 PM

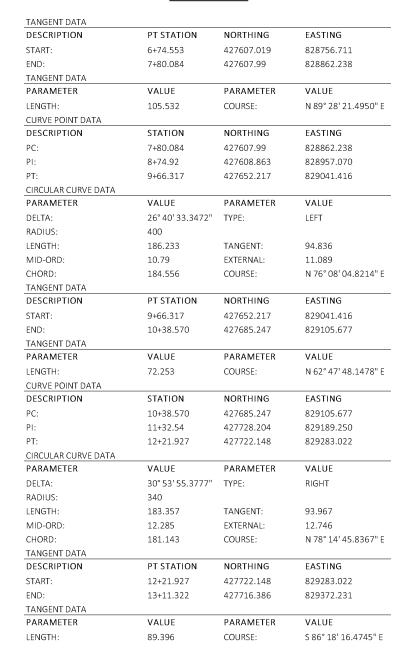
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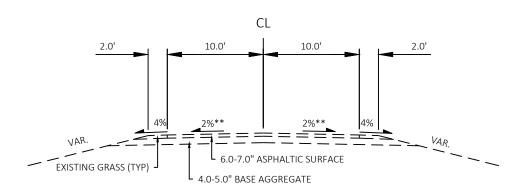
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PLOT SCALE :

ALIGNMENT DATA

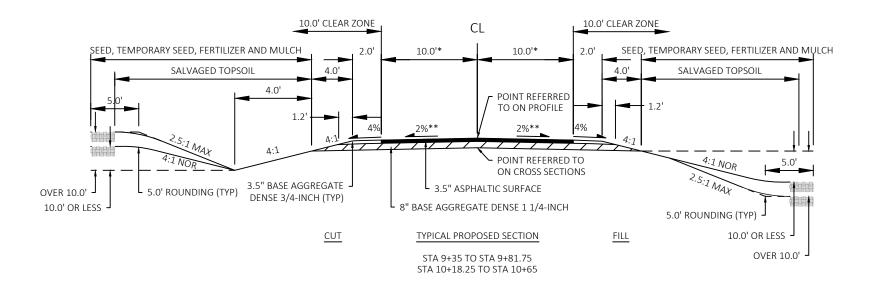




TYPICAL EXISTING SECTION

**SEE CROSS SECTIONS FOR SUPERELEVATION

STA 9+35 TO STA 9+88 STA 10+12 TO STA 10+65



*MATCH EXISTING WIDTH AT PROJECT LIMITS AND TAPER TO BRIDGE WIDTH AT STRUCTURE

**SEE CROSS SECTIONS FOR SUPERELEVATION

PROJECT NO: 7284-00-71 HWY: CREEK ROAD COUNTY: TREMPEALEAU TYPICAL SECTIONS & ALIGNMENT SHEET

FILE NAME : \SEHCF1\PROJECTS\PT\T\TREMH\146815\CIVIL 3D\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 020301-ts

PLOT DATE : 7/25/2019 2:19 PM

OT BY: JUSTIN P. SHAVLIK

PLOT NAME :

PLOT SCALE : 1 IN:10 FT

					7284-00-71
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	1.000	1.000
0004	201.0205	Grubbing	STA	1.000	1.000
0006	203.0600.S	-	LS	1.000	1.000
8000	205.0100	Excavation Common	CY	82.000	82.000
0010	206.1000	Excavation for Structures Bridges (structure) 01. B-61-233		1.000	1.000
0012	210.1500	Backfill Structure Type A	TON	450.000	450.000
0014	213.0100	Finishing Roadway (project) 01. 7284-00-71	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	8.000	8.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	156.000	156.000
0020	455.0605	Tack Coat	GAL	18.000	18.000
0022	465.0105	Asphaltic Surface	TON	55.000	55.000
0024	502.0100	Concrete Masonry Bridges	CY	170.000	170.000
0026	502.3200	Protective Surface Treatment	SY	185.000	185.000
0028	505.0400	Bar Steel Reinforcement HS Structures	LB	5,230.000	5,230.000
0030	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	20,120.000	20,120.000
0032	513.4061	Railing Tubular Type M	LF	142.000	142.000
0034	516.0500	Rubberized Membrane Waterproofing	SY	22.000	22.000
0036	550.2104	Piling CIP Concrete 10 3/4 X 0.25-Inch	LF	720.000	720.000
0038	606.0300	Riprap Heavy	CY	160.000	160.000
0040	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	180.000	180.000
0042	618.0100	Maintenance And Repair of Haul Roads (project) 01.	EACH	1.000	1.000
	0.0.0.00	7284-00-71			
0044	619.1000	Mobilization	EACH	1.000	1.000
0046	624.0100	Water	MGAL	2.000	2.000
0048	625.0500	Salvaged Topsoil	SY	109.000	109.000
0050	627.0200	Mulching	SY	147.000	147.000
0052	628.1504	Silt Fence	LF	270.000	270.000
0054	628.1520	Silt Fence Maintenance	LF	270.000	270.000
0056	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0060	628.6005	Turbidity Barriers	SY	72.000	72.000
0062	629.0210	Fertilizer Type B	CWT	0.100	0.100
0064	630.0120	Seeding Mixture No. 20	LB	4.000	4.000
0066	630.0200	Seeding Temporary	LB	4.000	4.000
0068	630.0500	Seed Water	MGAL	4.000	4.000
0070	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0070	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0074	638.2602	Removing Signs Type II	EACH	4.000	4.000

0104

Estimate Of Quantities Page 2

					7284-00-71
Line	Item	Item Description	Unit	Total	Qty
0076	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0078	642.5001	Field Office Type B	EACH	1.000	1.000
0800	643.0420	Traffic Control Barricades Type III	DAY	1,098.000	1,098.000
0082	643.0705	Traffic Control Warning Lights Type A	DAY	1,586.000	1,586.000
0084	643.0900	Traffic Control Signs	DAY	854.000	854.000
0086	643.5000	Traffic Control	EACH	1.000	1.000
8800	645.0111	Geotextile Type DF Schedule A	SY	60.000	60.000
0090	645.0120	Geotextile Type HR	SY	340.000	340.000
0092	650.4500	Construction Staking Subgrade	LF	94.000	94.000
0094	650.5000	Construction Staking Base	LF	94.000	94.000
0096	650.6500	Construction Staking Structure Layout (structure) 01. B-61-233	LS	1.000	1.000
0098	650.9910	Construction Staking Supplemental Control (project) 01. 7284-00-71	LS	1.000	1.000
0100	650.9920	Construction Staking Slope Stakes	LF	94.000	94.000
0102	690.0150	Sawing Asphalt	LF	40.000	40.000

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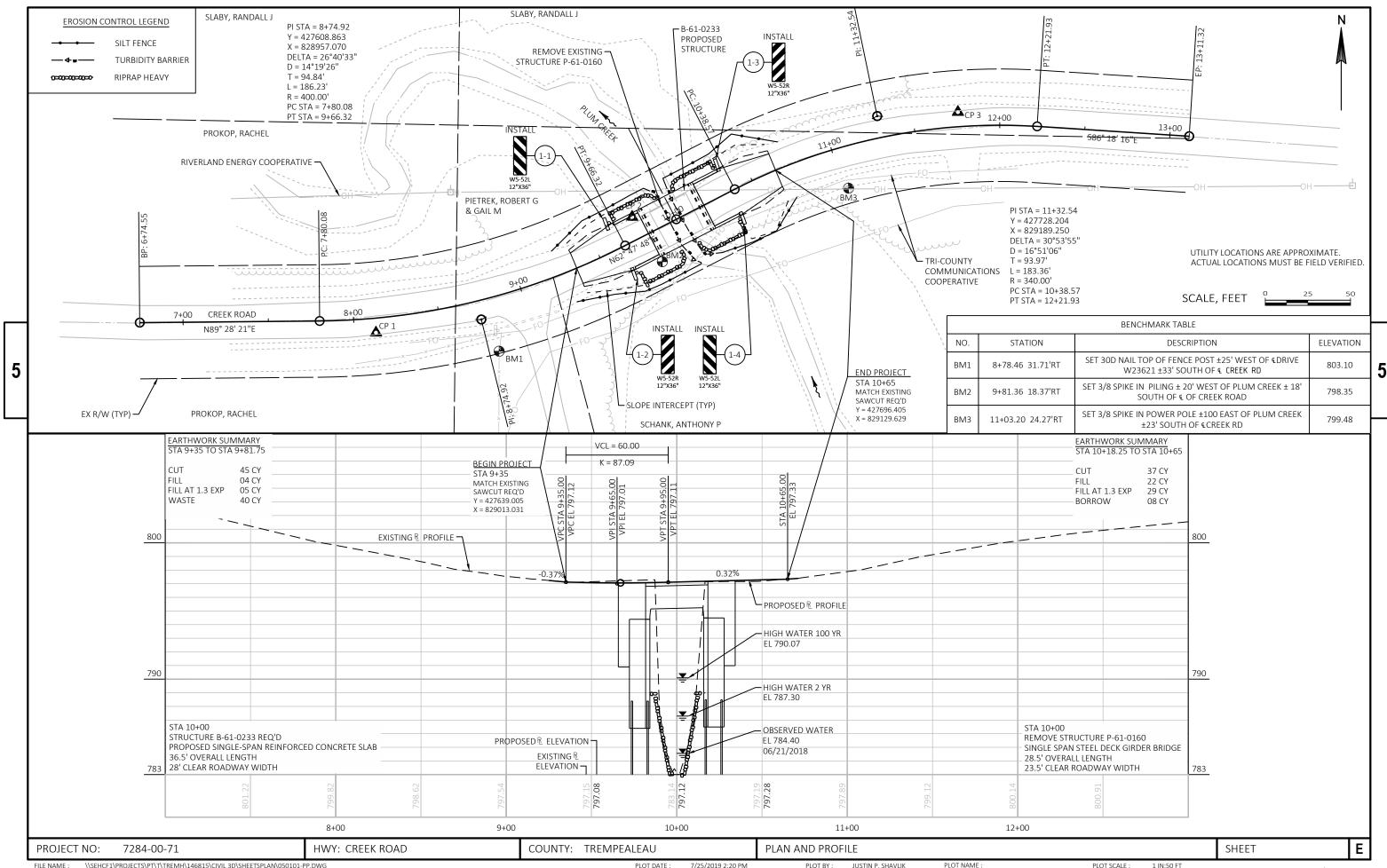
715.0502 Incentive Strength Concrete Structures

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The control of the	STATION LOCATION STA STA STA	STATION LOCATION SY SY SY SEDING TYPE B NO. 20 TEMPORARY LB LB LB LB LB LB LB L	CONSTRUCTION STAKING STATION CONSTRUCTION STAKING STATION CONSTRUCTION STAKING STATION CONSTRUCTION STAKING STATION CONSTRUCTION STAKING CON
A SPHALTIC STATION LOCATION GAL SPHALTIC COMMENTS STATION LOCATION GAL TON COMMENTS SIGN SIGN	1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON EXCAVATION. 2) FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME. 3) FILL WILL BE BACKFILLED WITH CUT OR BORROW. 4) POSITIVE BORROW INDICATES A SHORTAGE OF MATERIAL. 5) EXPANSION FACTOR = 1.3 BASE AGGREGATE DENSE 305.0110 305.0120 624.0100 3/4-INCH 1 1/4-INCH WATER STATION LOCATION TON TON MGAL COMMENT CREEK ROAD CATEGORY 0010 9+35 - 9+81.75 LT & RT 4 71 1 10+18.25 - 10+65 LT & RT 4 72 1 SUBTOTAL CATEGORY 0010 8 143 2 CATEGORY 0030 9+35 - 9+81.75 LT & RT - 6.5 - 4' WIDENING AREA 10+18.25 - 10+65 LT & RT - 6.5 - 4' WIDENING AREA SUBTOTAL CATEGORY 0030 9+35 - 9+81.75 LT & RT - 6.5 - 4' WIDENING AREA 10+18.25 - 10+65 LT & RT - 6.5 - 4' WIDENING AREA	MOBILIZATIONS EROSION CONTROL 628.1910 628.1905 EMERGENCY EROSION EROSION CONTROL CONTROL STATION EACH EACH CREEK ROAD 9+35-10+65 2 2	SAWING ASPHALT 690.0150 STATION LOCATION LF CREEK ROAD 9+35 LT & RT 19 10+65 LT & RT 21
	### ### ### ### ### ### ### ### ### ##	SIGN SIGN SIGN SIGN TYPE I REFLECTIVE F 12-FT TYPE I SIGN SI	ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED
FILE NAME: \\SEHCF1\\PROJECTS\\PT\\TREMH\146815\CIVIL 3D\SHEETSPLAN\030201-MQ.DWG PLOT BY: JUSTIN P. SHAVLIK PLOT NAME:			511221

FILE NAME : \SEHCF1\PROJECTS\PT\T\TREMH\146815\CIVIL 3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030201-mq

PLOT DATE : 7/25/2019 2:20 PM

PLOT BY : JUSTIN P. SHAVLIK



Standard Detail Drawing List

08E09-06 08E11-02	SILT FENCE TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

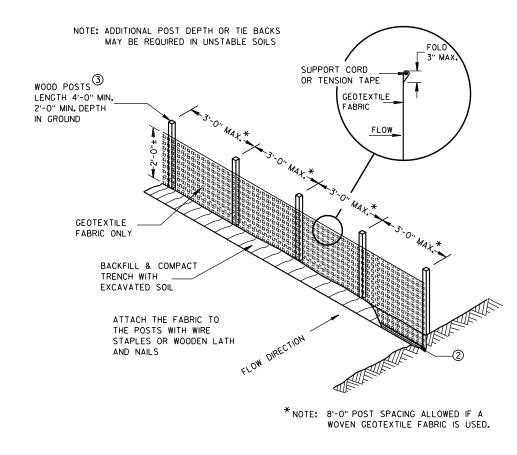
TYPICAL APPLICATION OF SILT FENCE

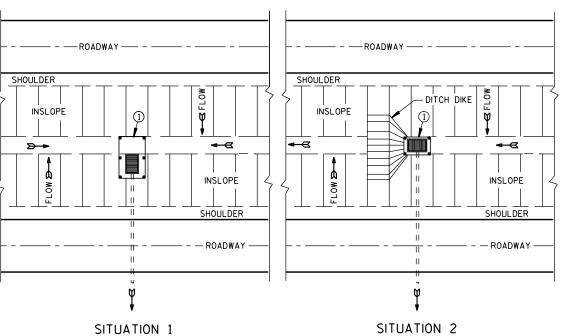
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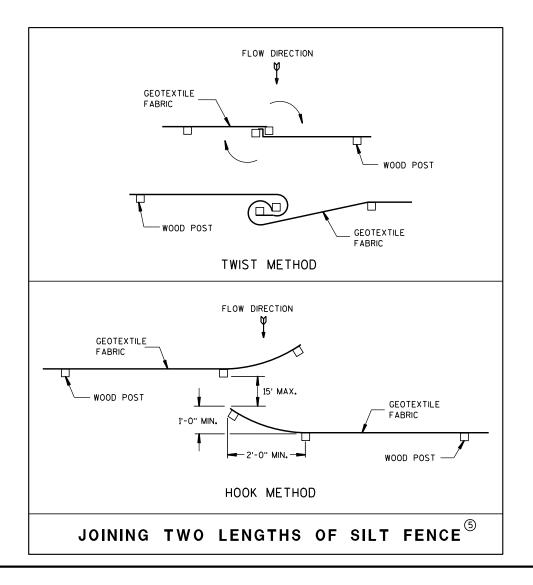
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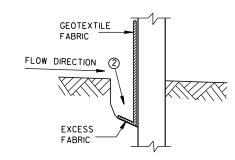
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



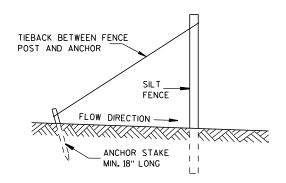
GENERAL NOTES

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.

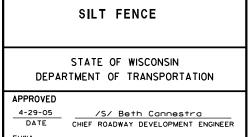


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.D.D. 8 E 9-6

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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

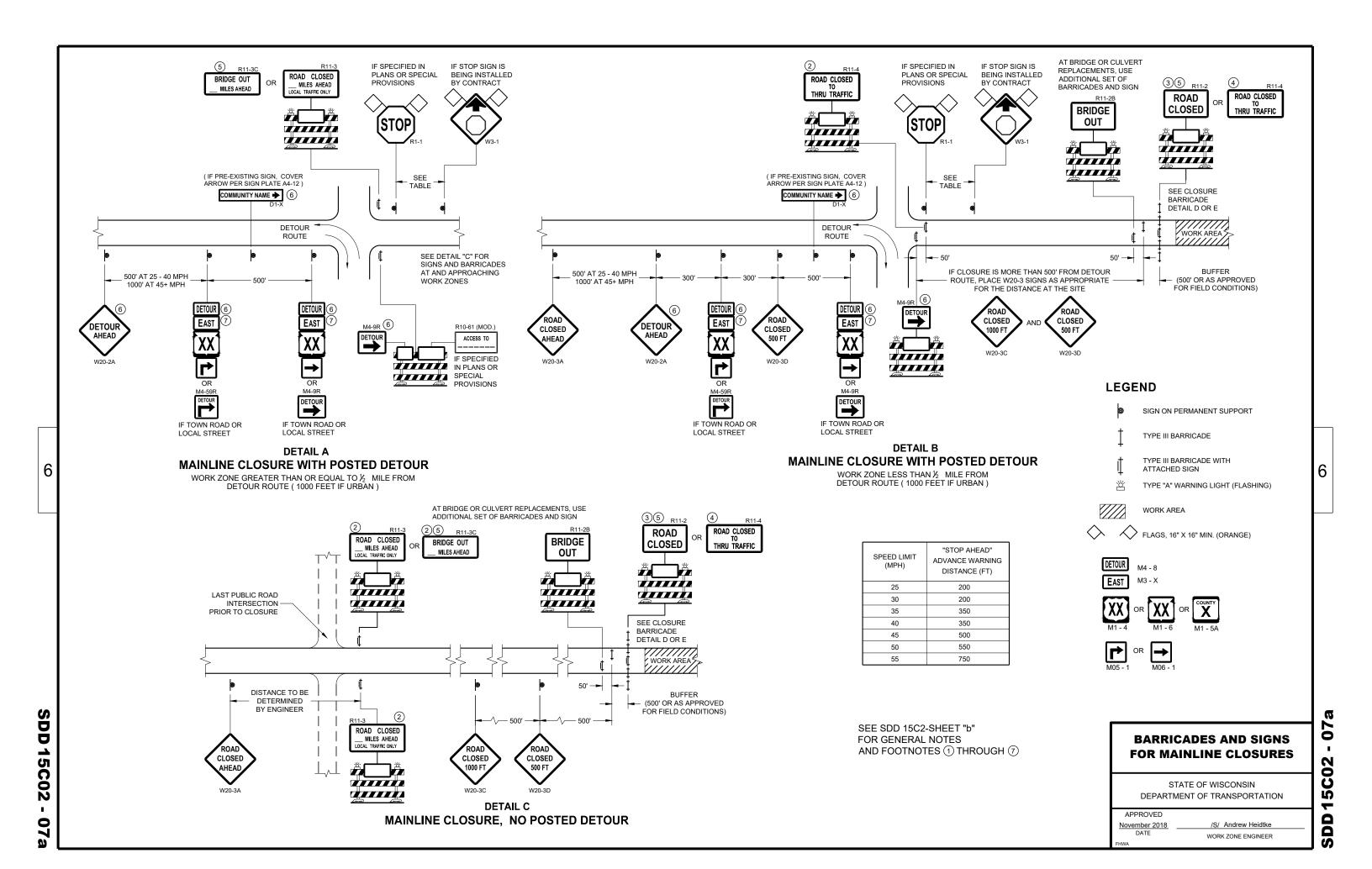
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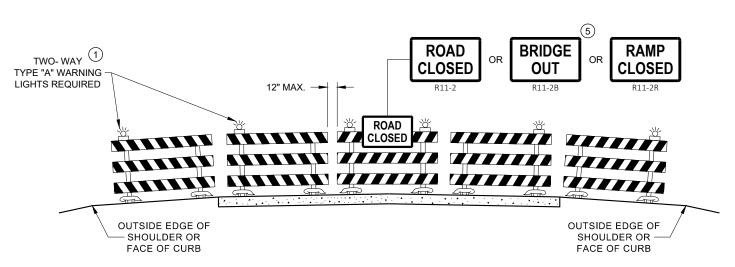
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CHIEF STRUCTURAL DEVELOPMENT ENGINEER

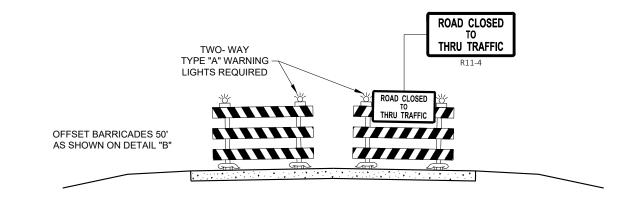
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DETAIL D ROAD CLOSURE BARRICADE DETAIL **APPROACH VIEW**



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11 - 2 SHALL BE 48" X 30"

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

M4 - 9 SHALL BE 30" X 24"

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

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

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

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

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

R1 - 1 SHALL BE 36" X 36"

- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

November 2018 DATE

WORK ZONE ENGINEER

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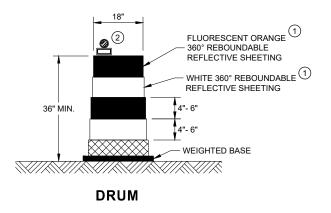
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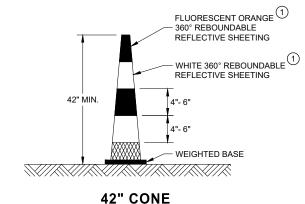


SDD 15C11

GENERAL NOTES

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



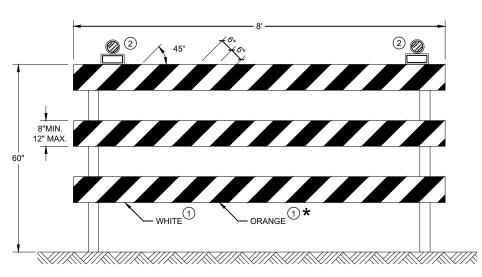


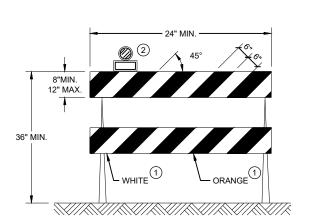


THE STRIPES SHALL SLOPE DOWNWARD TO

THE TRAFFIC SIDE FOR CHANNELIZATION.

DO NOT USE IN TAPERS ½ SPACING OF DRUMS





TYPE II BARRICADE

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

TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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SDD



TUBULAR STEEL POSTS

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

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

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

POST SPACING REQUIREM	MENTS	NUMBER OF		
L	E	WOOD POSTS REQUIRED		
48" OR LESS AND LESS THAN 20 SO.FT.	-	1		
LESS THAN 60"	12"	2	٤	
60" TO 120"	L/5	2		
GREATER THAN 120" LESS THAN 168"	12"	3		
168" AND GREATER	12"	4		

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

D D 15 D ∞

6

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6

- 11/2" DIAMETER HOLES

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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" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" 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 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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38-2b

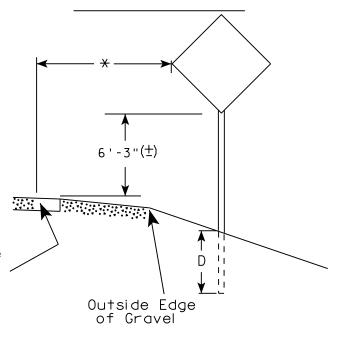
urban area

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

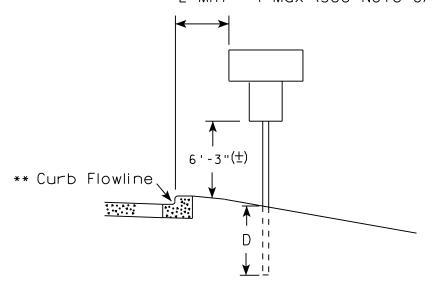
** Curb Flowline

D | White Edgeline Location

RURAL AREA (See Note 2)



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



White Edgeline
Location

Outside Edge
of Gravel

PLOT DATE: 21-AUG-2017 16:04

** 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.

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

* 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" (\pm) depending upon existence of a sub-sign.
- 4. J-Assemblies are considered to be one sign for mounting height.
- 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 (\pm) 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" (±).

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

SHEET NO:

PROJECT NO:

HWY:

COUNTY:

NTY:

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

PLOT SCALE : 100.601251:1.000000



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

Matther R Raw
For State Traffic Engineer

DATE <u>8/11/16</u>

PLATE NO. <u>44-8.8</u>

PROJECT NO:

FILE NAME : C:\CAFfiles\Projects\tr stdplote\A48 DCN

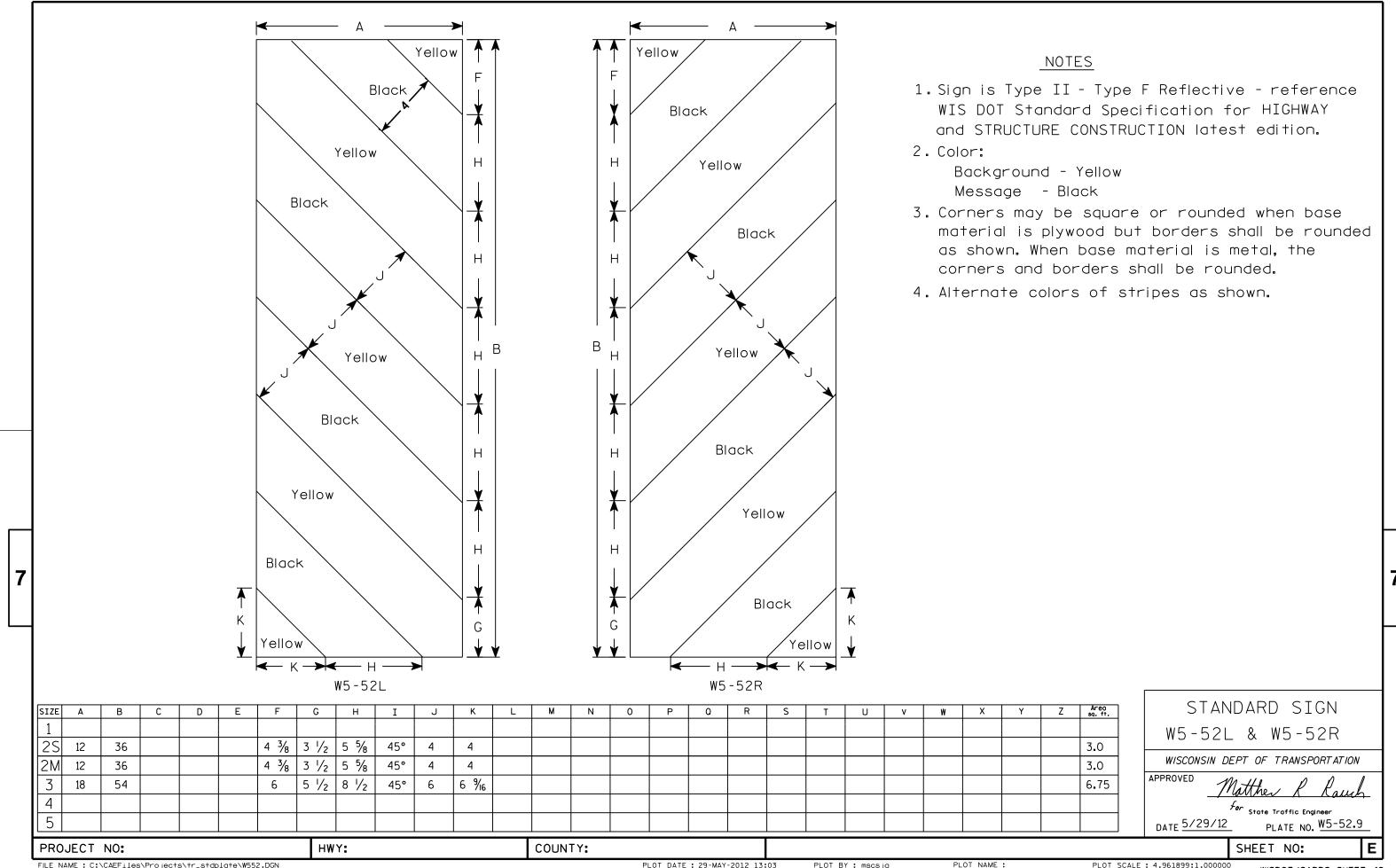
PLOT DATE . 11-416-2016 11:35

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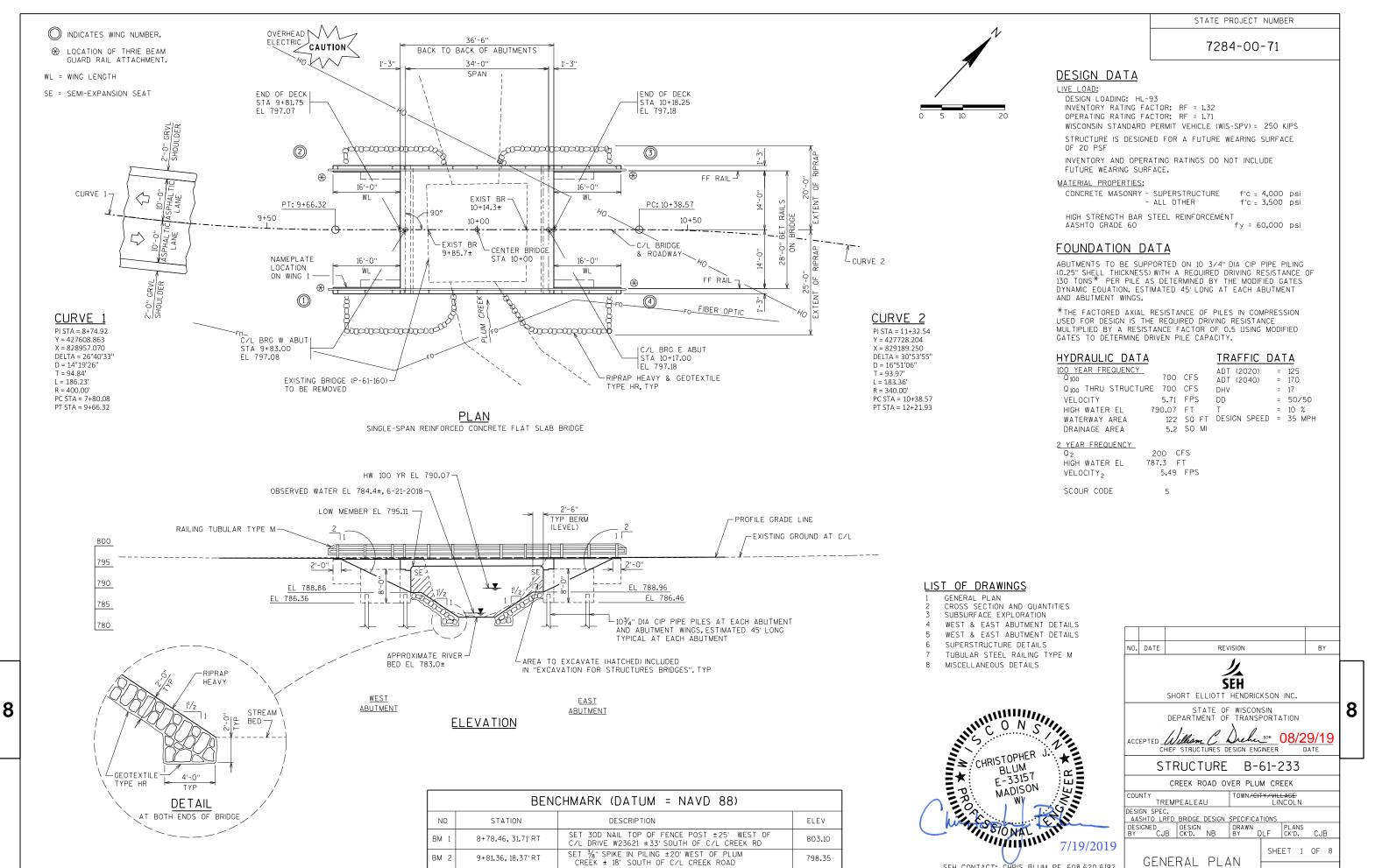
SHEET NO:

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SET 3/8" SPIKE IN POWER POLE ± 100' EAST OF PLUM

CREEK ± 23' SOUTH OF C/L CREEK ROAD

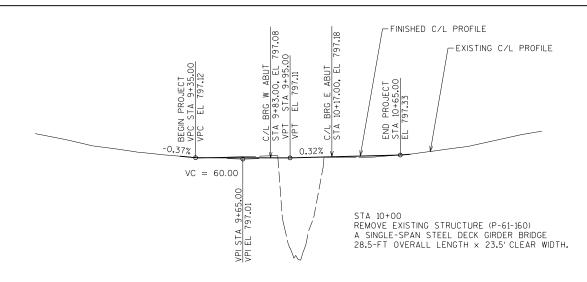
799.48

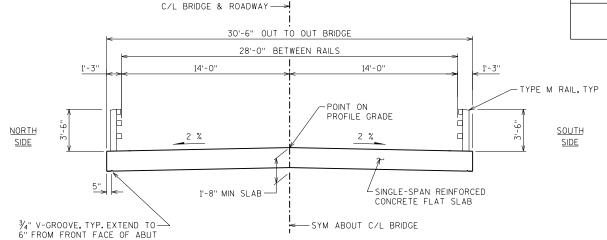
ВМ 3

11+03.20, 24.27'RT

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192

WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489





CROSS SECTION THRU BRIDGE
(LOOKING UPSTATION)

PROFILE GRADE LINE

TOTAL ESTIMATED QUANTITIES - B-61-233

_		TOTAL ESTIMATED GOV			<u> </u>				
	BID ITEM NUMBER	BID ITEMS	UNIT	WEST ABUT	EAST ABUT	SUPER	TOTALS	CATEGORY 0020 QUANTITY	CATEGORY 0030 QUANTITY
	203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 10+00	LS	-	-	-	1	1	-
	206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-61-233	LS	-	-	-	1	1	-
1	210.1500	BACKFILL STRUCTURE TYPE A	TON	225	225	-	450	391	59
	502.0100	CONCRETE MASONRY BRIDGES	CY	48	48	74	170	154	16
3	502.3200	PROTECTIVE SURFACE TREATMENT	SY	20	20	145	185	161	24
	505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2615	2615	-	5230	4544	686
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2120	2120	15,880	20,120	17482	2638
	513.4061	RAILING TUBULAR TYPE M B-61-233	LF	-	-	142	142	142	-
	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	11	11	-	22	19	3
	550.2104	PILING CIP CONCRETE 10 3/4 X 0.25-INCH	LF	360	360	-	720	630	90
	606.0300	RIPRAP HEAVY	CY	80	80	-	160	150	10
2	612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	90	90	-	180	172	8
	645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	30	30		60	54	6
	645.0120	GEOTEXTILE TYPE HR	SY	170	170	-	340	320	20
ŀ									
		NON-BID ITEMS							
[FILLER	SIZE	-	-	-	1/2" & 3/4"		
[NAMEPLATE	EACH	1	-	-	1		

- (1) A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.
- (2) INCLUDES RODENT SHIELD FOR PIPE UNDERDRAIN PER SDD 8F6-4.
- FURNISH AND APPLY A PROTECTIVE SURFACE FINISH TREATMENT TO THE ENTIRE TOP OF THE BRIDGE DECK, INCLUDING THE SLAB EDGE AND 1'-O" UNDER SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS, AND THE END 1'-O" OF THE FRONT FACE OF ABUTMENT.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

FOR EXISTING STRUCTURE SEE PROFILE GRADE LINE THIS SHEET.

REFER TO ROADWAY DRAWINGS FOR EXISTING UTILITY LOCATIONS.

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

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

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

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

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 ABUTMENTS DETAILS.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-ASPHALTIC JOINT SEALER (1" DEEP & HOLD 1/8" BELOW SURFACE OF CONCRETE).

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES B-61-233 SHALL BE THE EXISTING GROUNDLINE.

EXCAVATION BELOW THE ABUTMENTS AND ABUTMENTS BEDDING MATERIALS REQUIRES ENGINEER APPROVAL GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

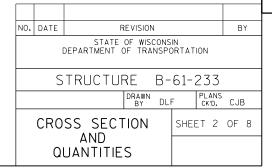
THE QUANTITY FOR BACKFILL STRUCTURE TYPE A IS CALCULATED BASED ON THE BACKFILL STRUCTURE LIMITS DETAILS SHOWN ON SHEET 8.

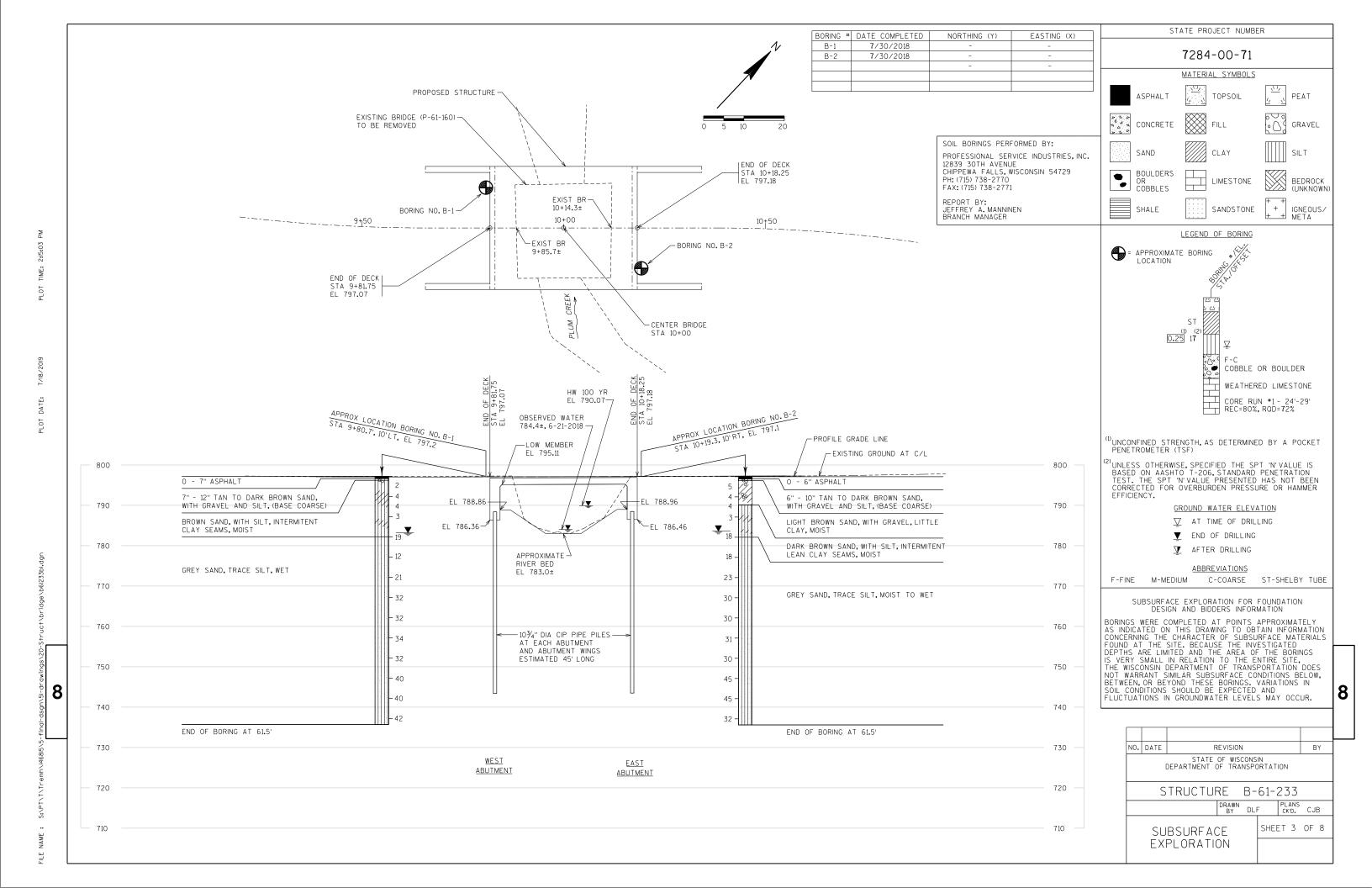
BACKFILL STRUCTURE BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO DESIGNATION M153 TYPE 1, 2, OR 3 OR AASHTO DESIGNATION M213.

APPLY A PROTECTIVE SURFACE FINISH TREATMENT PER THE STANDARD SPECIFICATIONS AND AS SHOWN IN THIS PLAN SET.





TUBULAR STEEL -

TOP OF WING

SLOPE SAME AS

SUPERSTRUCTURE

A415, TYP-

2-A416-

4-A604

4-A604 FF

7-A805 BF

4-A604-

RAILING TYPE M

EL 796.77 W ABUT EL 796.88 E ABUT

EL 794.36 W ABUT

EL 794.46 E ABUT

(AT C/L ABUT)

SHEET 4 OF 8

_A415, PULL

UP 2" CLR

-A416

WEST & EAST

NO. DATE

BRIDGE NAMEPLATE -

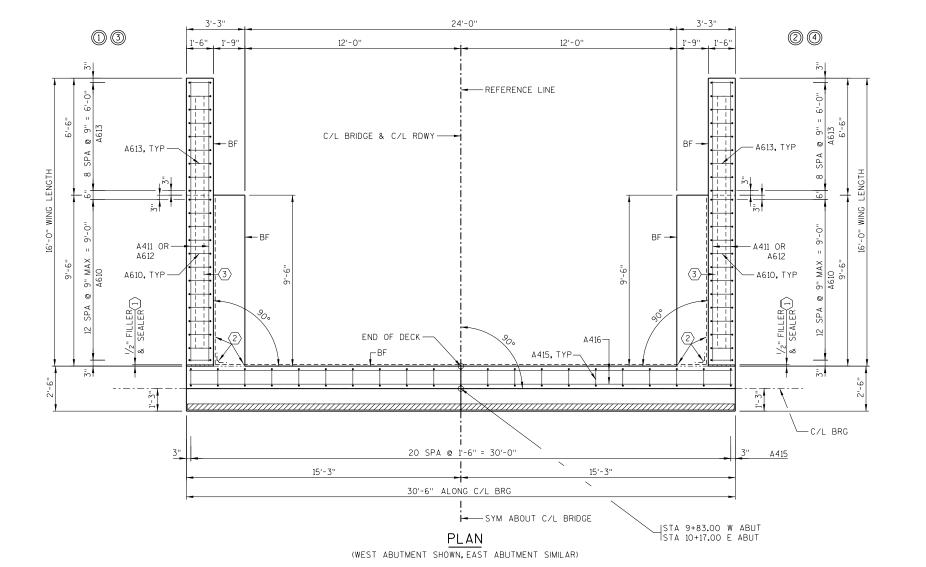
(WEST ABUT ONLY

STATE PROJECT NUMBER STEEL TROWEL TOP SURFACE OF ABUTMENT, PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING SUPERSTRUCTURE. 7284-00-71 TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03" C/L BRG & PILES 4" x 3/4" FILLER -¾" BEVEL-

TUBULAR STEEL 24

FRONT ELEVATION

(WEST ABUTMENT SHOWN, EAST ABUTMENT SIMILAR) (PILES NOT SHOWN FOR CLARITY)



LEVEL

5'-1" MIN LAP

A805 BF

– A503, BODY STIRRUPS

RAILING TYPE M REFERENCE LINE HEL 796.77 W ABUT EL 794.66 W ABUT EL 794.76 E ABUT EL 794.36 W ABUT EL 794.46 E ABUT (AT C/L ABUT) TOP OF WING -(AT C/L ABUT) SLOPE SAME AS SUPERSTRUCTURE 2\1\ 4-4604 FF 7-A805 BF LEVEL ___EL 786.36 W ABUT __EL 786.46 E ABUT TOP OF GROUND AT FRONT OF ABUT

A503--2-A805 TOP OF BERML SEE SHEET 1 A401-7 ABUT A402 -BOTTOM OF FOOTING -EXCAVATE TO EL 786.36 WEST ABUT AND EL 786.46 EAST ABUT BEFORE DRIVING PILES ABUTMENTS TO BE SUPPORTED ON 103/4" DIA CIP PIPE PILING (0.25" SHELL THICKNESS) WITH A REQUIRED DRIVING RESISTANCE OF 130 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC EQUATION. 2'-6" ESTIMATED 45'-LONG AT EACH ABUTMENT. TYPICAL SECTION THRU BODY ALL HORIZ BARS TO BE A604 UNLESS OTHERWISE SHOWN OR NOTED

A604-

- (1) SEAL ALL EXPOSED HORIZ. AND VERTICAL SURFACES FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE), FILLER INCLUDED IN WING LENGTH.
- (2) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZ & VERT JOINTS ON BACKFACE, VERTICAL WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING.
- 3 OPTIONAL KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 6" WITH MEMBRANE ON BACKFACE.
- PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN TO SUITABLE DRAINAGE, ATTACH RODENT SHIELD AT
- ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN, FOR RODENT SHIELD DETAIL SEE MISCELLANEOUS DETAILS SHEET 8.
- COAT WITH PROTECTIVE SURFACE TREATMENT
 PER THE STANDARD SPECIFICATIONS. PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE TOP AND EXTERIOR EXPOSED FACE OF WINGS, AND THE END 1'-O" OF THE FRONT FACE OF ABUTMENT.

W ABUT = WEST ABUTMENT E ABUT = EAST ABUTMENT

ABUTMENT NOTES

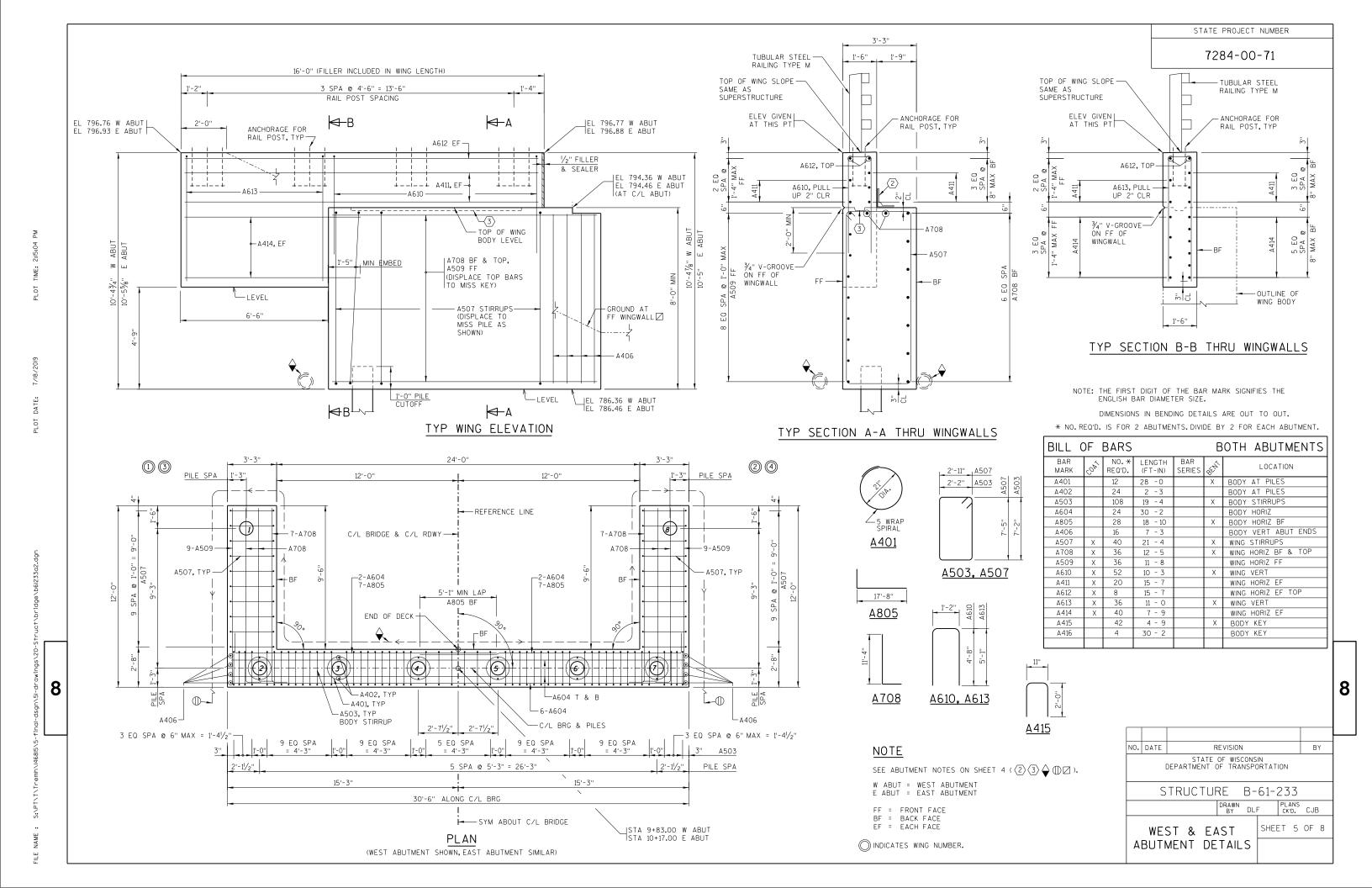
FF = FRONT FACE BF = BACK FACE EF = EACH FACE

O INDICATES WING NUMBER.

STRUCTURE B-61-233

NAMEPLATE

ABUTMENT DETAILS



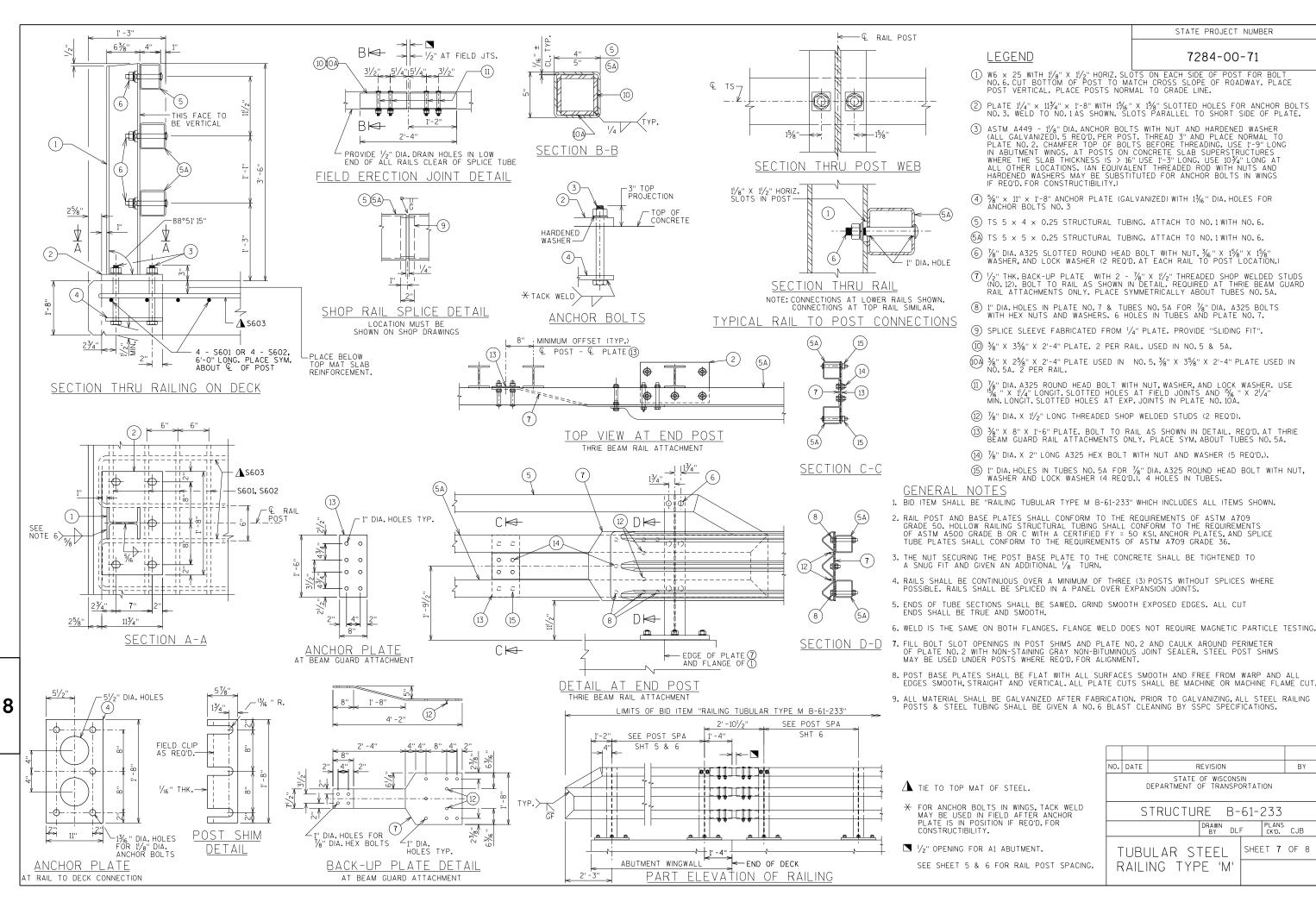


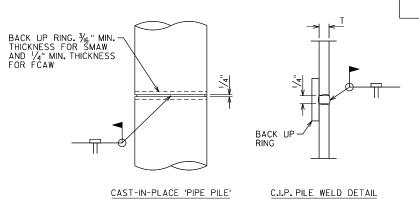


BY

PLANS CK'D. CJB

SHEET 7 OF 8





CAST-IN-PLACE 'PIPE PILE'

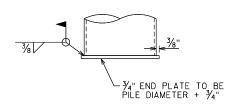
— PLACE HEAVY RIPRAP EVEN WITH TOP OF WING, 2 FEET FROM WING TIP.

-END OF ABUTMENT WING

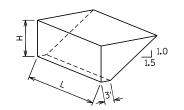
-TOP OF WING

GEOTEXTILE, TYPE HR (TYP.) TYPICAL FILL SECTION AT WING TIPS

PILE DETAILS



END PLATE DETAIL



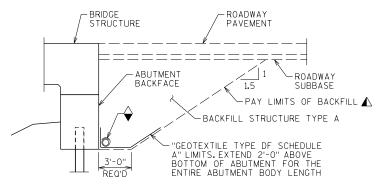
ABUTMENT BACKFILL DIAGRAM FOR WINGS PARALLEL TO ROADWAY

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS
AND 1.00 FOR TON BID ITEMS)

V_{CF} = (L/13.0)'(H) + (L)'(0.5)'(1.5H)(H)

V_{CY} = V_{CF} (EF)'/27

V_{TON} = V_{CY} (2.0)



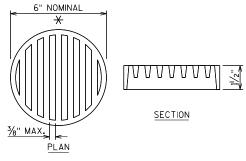
RAILING TUBULAR TYPE M

2.5 MIN

HEAVY RIPRAP-

TYPICAL SECTION THRU ABUTMENT

- ⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6 INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE



RODENT SHIELD DETAIL

 $\stackrel{\textstyle \star}{\rightarrow}$ dimensions are approximate. The grate is sized to fit into a pipe coupling. Orient so slots are vertical.

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 EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

10.	DATE	F	В	Y						
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
STRUCTURE B-61-233										
			=	PLANS CK'D.	CJE	3				
	MIS	CELLANE	SHE	ET 8	OF	8				
		DETAILS								

	Creek Road												
		AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)							
Station	Distance	Cut	Fill	Cut	Fill	Cut 1.00	Expanded Fill	Mass Ordinate					
		Note 1		Note 2	Note 3	Note 2	Note 4	Note 5					
9+35	0.00	29.14	2	0.0	0.0	0.0	0.0	0					
9+50	15.00	31.31	0.9	16.8	0.8	17	1	16					
9+66	15.75	31.99	5.15	18.5	1.8	35	3	32					
9+82	16.00	0	0	9.5	1.5	45	5	39					
10+18	36.50	0	0	0.0	0.0	45	5	39					
10+34	16.00	24.33	17.44	7.2	5.2	52	12	40					
10+50	15.75	26.86	19.00	14.9	10.6	67	26	41					
10+65	15.00	28.57	3	15.4	6.1	82	34	48					

Notes:

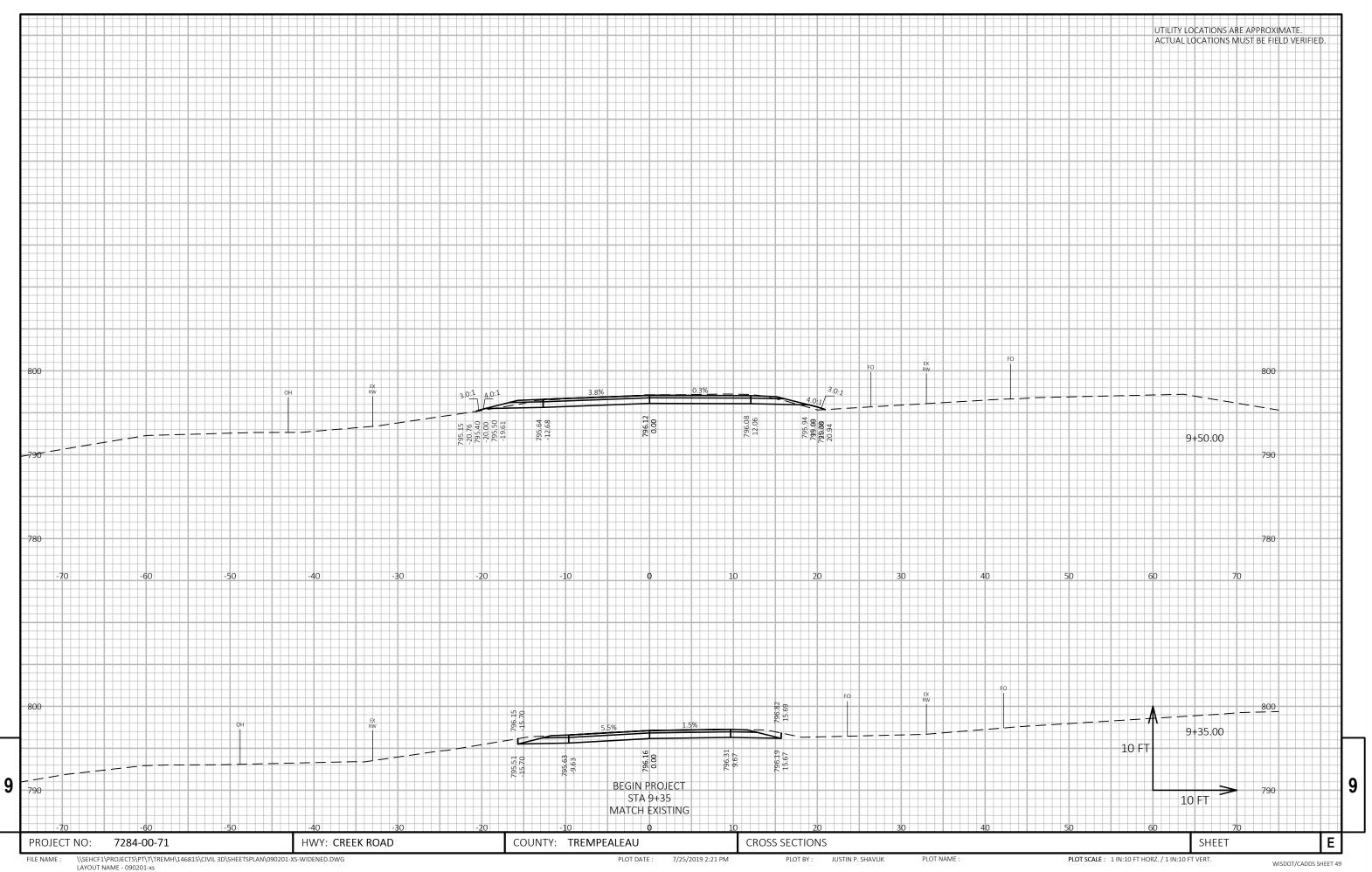
Salvaged/Unusable Pavement Material is included in Cut.
 Excavation Common is the sum of the Cut column. Item number 205.0100
 Does not include Unusable Pavement Excavation volume.

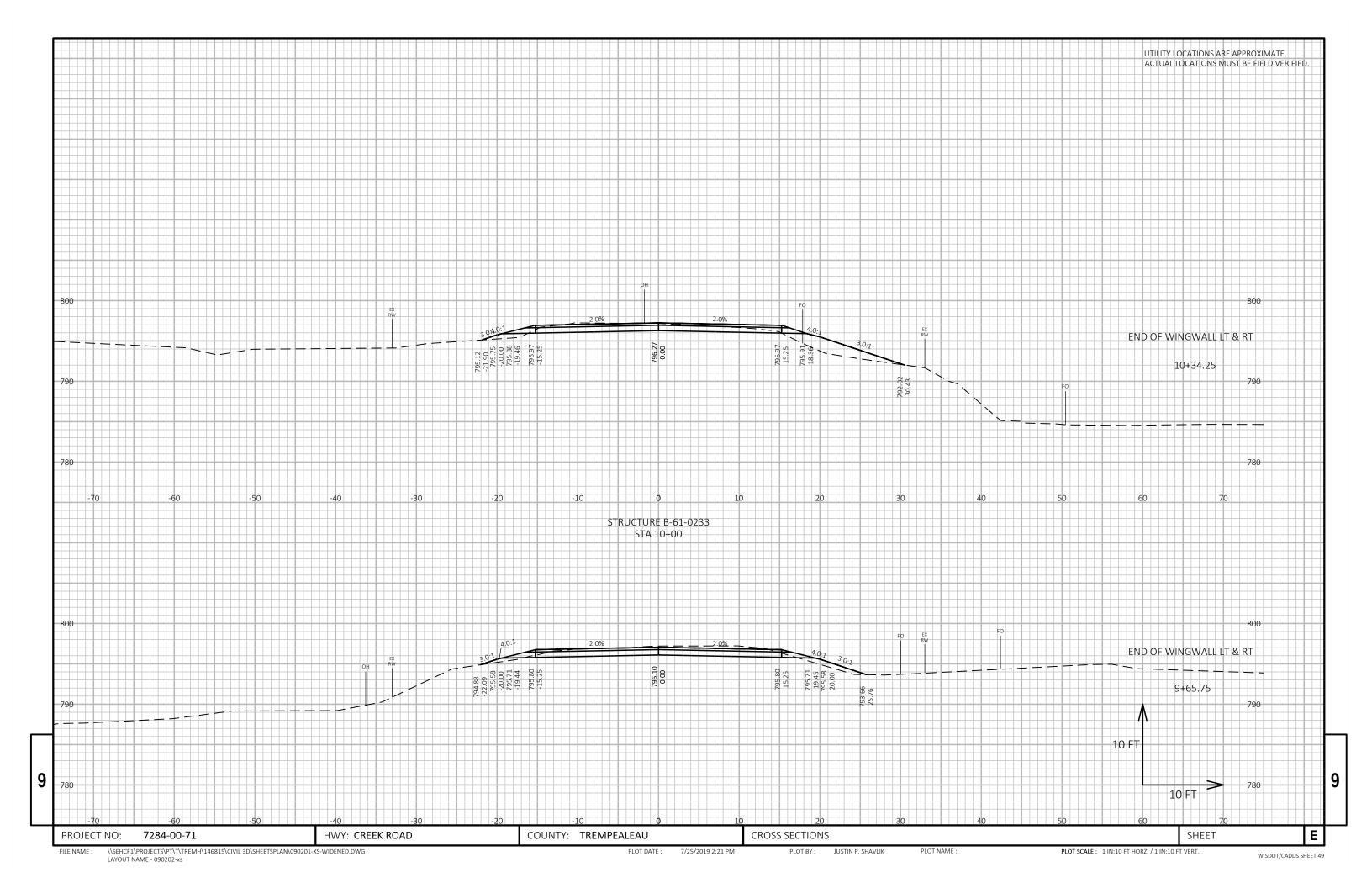
4) Will be backfilled with Excavation Common or Borrow.
5) Plus quantity indicates an excess of material. Minus indicates a shortage of material. Borrow item number 208.0100

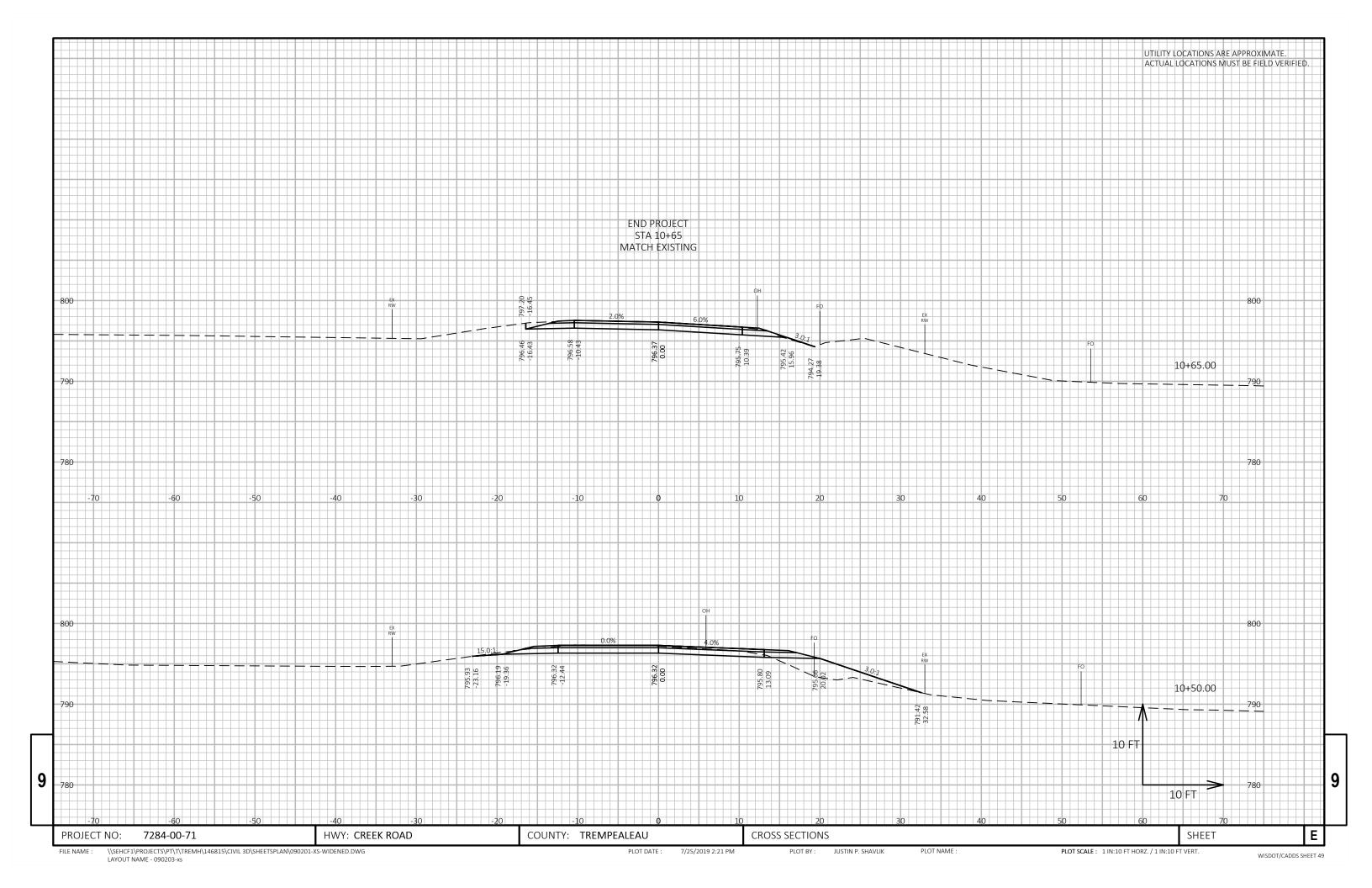
Ε HWY: CREEK ROAD COUNTY: TREMPEALEAU EARTHWORK QUANTITIES SHEET PROJECT NO: 7284-00-71

\\SEHCF1\PROJECTS\PT\\T\REMH\146815\CIVIL 3D\SHEETSPLAN\090101-EW.DWG LAYOUT NAME - 090101-ew FILE NAME :

PLOT BY: JUSTIN P. SHAVLIK









Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov