COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

MARCH 2022 STATE OF WISCONSIN ORDER OF SHEETS DEPARTMENT OF TRANSPORTATION PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings T VANCE CREEK, 5TH ST & 1/2 AVE Section No. Section No. Section No. **VANCE CREEK BRIDGE B-03-0210** Section No. LOC STR TOTAL SHEETS = 56 **BARRON COUNTY** STATE PROJECT NUMBER 8335-00-70 R-14-W R-13-W (1) 5 **END PROJECT** STA 12+82.00 DESIGN DESIGNATION Y = 31012.82A.A.D.T. 2022 = 45 X = 253008.11A.A.D.T. D.H.V. = 10 Vance D.D. = 60/40 DESIGN SPEED = 40 MPH = 8,231 5 CONVENTIONAL SYMBOLS **PROFILE** Barron County GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE T-32-N MARSH OR ROCK PROFILE LOT LINE LIMITED HIGHWAY EASEMENT SPECIAL DITCH **EXISTING RIGHT OF WAY** GRADE ELEVATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT UTILITIES REFERENCE LINE **ELECTRIC** \bigcirc EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT (Box or Pipe) R-13-W R-14-W

FEDERAL PROJECT STATE PROJECT CONTRACT WISC 2022262 8335-00-70

> ACCEPTED FOR **BARRON COUNTY**

ORIGINAL PLANS PREPARED BY

SCONS

MATTHEW J. SOLIN E-42459 CHIPPEWA FALLS

SSIONAL E

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor Designer Project Manage

APPROVED FOR THE DEPARTMENT

DATE: 10/26/21

TOTAL NET LENGTH OF CENTERLINE = 0.026 MILES

SCALE

0.5 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN

NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID

COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES

ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18A

COORDINATE REFERENCE SYSTEM (WISCRS),

STRUCTURE B-03-0210

STA 11+97 - STA 12+32 **BEGIN PROJECT** STA 11+47.00

Y = 30877.82

X = 253007.98

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE

POWER POLE

WATER

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP													
	А					В			С			D		
	SLO	SLOPE RANGE (PERCENT)			SLOPE 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- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .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	BRICK .7080													
DRIVES, WALKS	ALKS .7585													
ROOFS	OOFS .7595													
GRAVEL ROADS, SHO	OULDERS					.4060								

TOTAL PROJECT AREA = 0.68 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.34 ACRES

GENERAL NOTES

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

ANY LOCAL OR MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT 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, SHALL BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED/EROSION-MATTED.

THE DEPARTMENT OF TRANSPORTATION WILL FURNISH THE CONTRACTOR WITH A MONUMENT TO BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

WETLANDS ARE PRESENT WITHIN THE PROJECT LIMITS. DO NOT OPERATE EQUIPMENT OUTSIDE THE SLOPE INTERCEPTS. DO NOT STORE OR STOCKPILE MATERIALS IN WETLANDS.

REMOVAL OF THE EXISTING RAILING ON STRUCTURE P-3-945 IS CONSIDERED INCIDENTAL TO THE REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-3-945 ITEM.

UTILITY CONTACTS

SUSAN DAU
BARRON ELECTRIC COOPERATIVE - ELECTRICITY
1434 STATE HIGHWAY 25 N
BARRON, WI 54812
(715) 537-3171
sdau@barronelectric.com

JACE SINCLAIR
MOSAIC TELECOM - COMMUNICATION LINE
401 S 1ST STREET
CAMERON, WI 54822
(715) 458-5352
jsinclair@experiencemosaic.com

WISCONSIN DNR LIAISON

AMY CRONK NORTHERN REGION 810 W MAPLE STREET SPOONER, WI 54801 (715) 635-4229 (715) 520-3976 amy.cronk@wisconsin.gov

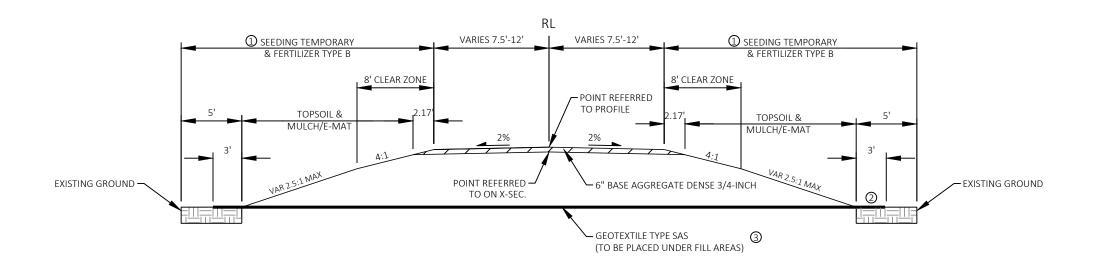


PROJECT NO: 8335-00-70 HWY: 5TH STREET COUNTY: BARRON GENERAL NOTES SHEET **E**

NOTES:

- ① SEEDING TEMPORARY IS NOT REQUIRED BEYOND SLOPE INTERCEPT WITHIN WETLAND AREA SHOWN ON THE PLANS.
- ② DISTURBED STREAM BANKS SHALL BE RESTORED BACK TO ORIGINAL CONDITION AND CONTOUR ELEVATION.
- (3) AFTER TEMPORARY BYPASS AND GEOTEXTILE TYPE SAS HAS BEEN REMOVED, FERTILIZE AND SEED AREA UNDER PREVIOUSLY PLACED GEOTEXTILE TYPE SAS. APPLY SEEDING TEMPORARY AND SEEDING MIXTURE NO. 20 TO NON-WETLAND AREAS, AND APPLY SEEDING MIXTURE NO. 60 AND SEEDING MIX WETLAND TO WETLAND AREA SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. APPLICATION RATE OF SEEDING AND SEEDING AREA TO BE BASED ON FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER.

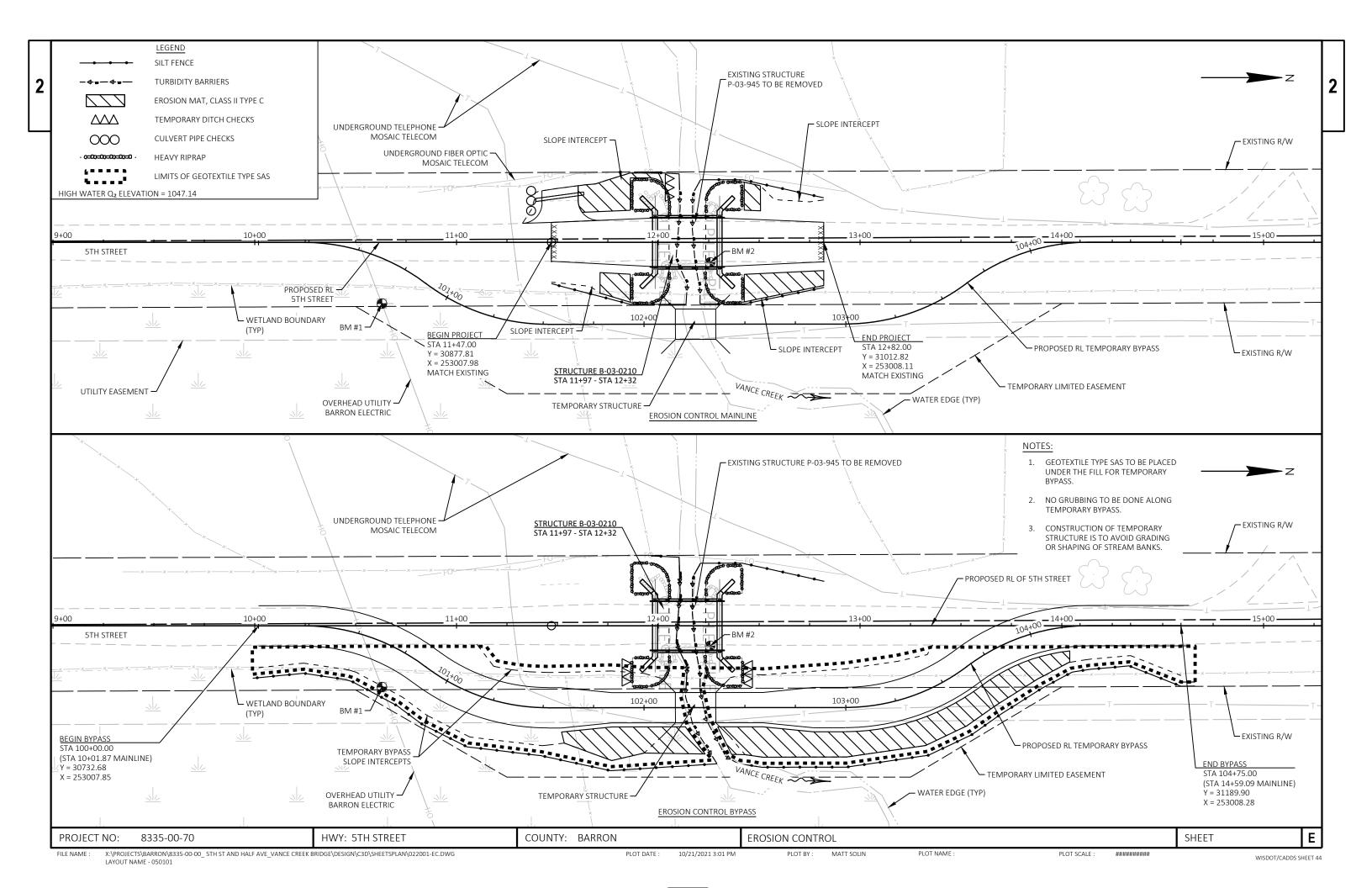
TYPICAL FINISHED SECTION STA 12+32 TO STA 12+82



TYPICAL SECTION - TEMPORARY BYPASS

STA 100+00 TO STA 104+75

Ε PROJECT NO: 8335-00-70 HWY: 5TH STREET COUNTY: BARRON **TYPICAL SECTIONS** SHEET X:\PROJECTS\BARRON\8335-00-00_ 5TH ST AND HALF AVE_VANCE CREEK BRIDGE\DESIGN\C3D\SHEETSPLAN\020301_TS.DWG PLOT BY : FILE NAME : PLOT DATE : 1 IN:10 FT



8335-	

					8335-00-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000	
0004	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-3-945	EACH	1.000	1.000	
0006	205.0100	Excavation Common	CY	906.000	906.000	
8000	206.1000	Excavation for Structures Bridges (structure) 01. B-3-210	LS	1.000	1.000	
0010	208.0100	Borrow	CY	892.000	892.000	
0012	210.1500	Backfill Structure Type A	TON	274.000	274.000	
0014	213.0100	Finishing Roadway (project) 01. 8335-00-70	EACH	1.000	1.000	
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	560.000	560.000	
0018	502.0100	Concrete Masonry Bridges	CY	107.000	107.000	
0020	502.3200	Protective Surface Treatment	SY	148.000	148.000	
0022	505.0400	Bar Steel Reinforcement HS Structures	LB	3,960.000	3,960.000	
0024	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	14,680.000	14,680.000	
0026	506.0105	Structural Steel Carbon	LB	475.000	475.000	
0028	513.4061	Railing Tubular Type M	LF	74.000	74.000	
0030	516.0500	Rubberized Membrane Waterproofing	SY	10.000	10.000	
0032	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	24.000	24.000	
0034	526.0100	Temporary Structure (station) 01. 102+25	LS	1.000	1.000	
0036	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	480.000	480.000	
0038	606.0300	Riprap Heavy	CY	135.000	135.000	
0040	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	142.000	142.000	
0042	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8335-00-70	EACH	1.000	1.000	
0044	619.1000	Mobilization	EACH	1.000	1.000	
0046	624.0100	Water	MGAL	14.000	14.000	
0048	625.0100	Topsoil	SY	1,240.000	1,240.000	
0050	627.0200	Mulching	SY	720.000	720.000	
0052	628.1504	Silt Fence	LF	900.000	900.000	
0054	628.1520	Silt Fence Maintenance	LF	900.000	900.000	
0056	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0060	628.2027	Erosion Mat Class II Type C	SY	520.000	520.000	
0062	628.6005	Turbidity Barriers	SY	240.000	240.000	
0064	628.7504	Temporary Ditch Checks	LF	60.000	60.000	
0066	628.7555	Culvert Pipe Checks	EACH	4.000	4.000	
0068	629.0210	Fertilizer Type B	CWT	2.200	2.200	
0070	630.0120	Seeding Mixture No. 20	LB	37.000	37.000	
0072	630.0160	Seeding Mixture No. 60	LB	15.000	15.000	
0074	630.0200	Seeding Temporary	LB	55.000	55.000	
0076	630.0300	Seeding Borrow Pit	LB	10.000	10.000	
0078	630.0500	Seed Water	MGAL	40.000	40.000	
0800	633.1100	Delineators Temporary	EACH	16.000	16.000	
0082	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000	
0084	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0086	638.2602	Removing Signs Type II	EACH	4.000	4.000	
8800	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0090	642.5001	Field Office Type B	EACH	1.000	1.000	
0092	643.0300	Traffic Control Drums	DAY	2,400.000	2,400.000	
0094	643.0420	Traffic Control Barricades Type III	DAY	1,280.000	1,280.000	
0096	643.0705	Traffic Control Warning Lights Type A	DAY	1,600.000	1,600.000	
0098	643.0715	Traffic Control Warning Lights Type C	DAY	1,280.000	1,280.000	

Page	2
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Line	Item	Item Description	Unit	Total	Qty
0100	643.0900	Traffic Control Signs	DAY	2,880.000	2,880.000
0102	643.5000	Traffic Control	EACH	1.000	1.000
0104	645.0111	Geotextile Type DF Schedule A	SY	58.000	58.000
0106	645.0120	Geotextile Type HR	SY	295.000	295.000
0108	645.0140	Geotextile Type SAS	SY	1,910.000	1,910.000
0110	650.4500	Construction Staking Subgrade	LF	580.000	580.000
0112	650.5000	Construction Staking Base	LF	580.000	580.000
0114	650.6500	Construction Staking Structure Layout (structure) 01. B-3-210	LS	1.000	1.000
0116	650.9910	Construction Staking Supplemental Control (project) 01. 8335-00-70	LS	1.000	1.000
0118	650.9920	Construction Staking Slope Stakes	LF	580.000	580.000
0120	715.0502	Incentive Strength Concrete Structures	DOL	642.000	642.000
0122	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0124	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0126	SPV.0085	Special 01. Seeding Mix Wetland	LB	3.000	3.000
0128	SPV.0090	Special 01. Flashing Stainless Steel	LF	59.000	59.000

8335-00-70

BASE AGGREGATE DENSE 3/4-INCH

305.0110 STATION TO STATION LOCATION TON 11+47 - 11+97 5TH STREET 165 12+32 - 12+82 5TH STREET 100 100+00 104+75 TEMP. BYPASS 295 ITEM TOTAL 560

REMOVING SMALL PIPE CULVERTS

		203.0100	
STATION	LOCATION	EACH	REMARKS
11+50	5TH STREET - LT	1	18" x 19'
ITEM TOTAL	_	1	_

CULVERT PIPE CORRUGATED STEEL 18-INCH

STATION	LOCATION	521.3118 LF	WALL THICKNESS INCH
STATION	LOCATION	LF	INCH
11+50	5TH STREET - LT	24	0.064
ITEM TOTAL	_	24	

5TH STREET EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1) CUT	AVAILABLE MATERIAL (2)	UNEXPANDED FILL	EXPANDED FILL FACTOR 1.30	MASS ORDINATE +/- (3)	WASTE	208.0100 BORROW
DIVISION 1								
TEMPORARY BYPASS	100+50/104+00	0	0	686	892	-892	0	892
TEMPORARY BYPASS REMOVAL	100+50/104+00	812	812	0	0	812	812	0
5TH STREET	11+47/12+82	94	94	22	29	65	65	0
DIVISION 1 SUBTOTAL		906	906	708	920	-14	877	892
GRAND TOTAL		906	906	708	920	-14	877	892
TOTAL COMMON EXCAVATION		906						

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) AVAILABLE MATERIAL = CUT

DEPENDING ON SELECTIONS: EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR

> OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

(3) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED.

PROJECT NO: 8335-00-70 HWY: 5TH STREET COUNTY: BARRON MISCELLANEOUS QUANTITIES SHEET X:\PROJECTS\BARRON\8335-00-00_ 5TH ST AND HALF AVE_VANCE CREEK BRIDGE\DESIGN\C3D\SHEETSPLAN\030201-MQ.DWG PLOT DATE : PLOT BY: MATT SOLIN PLOT NAME : PLOT SCALE : FILE NAME : 12/21/2021 12:00 PM WISDOT/CADDS SHEET 42

		625.0100	627.0200	628.2027 EROSION MAT	629.0210 FERTILIZER	630.0120 SEEDING	630.0160 MIXTURE	630.0200 SEEDING	630.0300 SEEDING	630.0500	645.0140 GEOTEXTILE	SPV.0085.01 SEEDING MIX
		TOPSOIL	MULCHING	CLASS II TYPE C	TYPE B	NO. 20	NO. 60	TEMPORARY	BORROW PIT	SEED WATER	TYPE SAS	WETLAND
STATION TO STATION	LOCATION	SY	SY	SY	CWT	LB	LB	LB	LB	MGAL	SY	LB
11+47 - 11+97	5TH STREET - LT	65	15	50	0.1	2	-	-	-	1	-	-
11+47 - 11+97	5TH STREET - RT	64	43	21	0.1	2	-	-	-	1	-	-
12+32 - 12+82	5TH STREET - LT	66	54	12	0.1	2	-	-	-	1	-	-
12+32 - 12+82	5TH STREET - RT	67	21	46	0.1	2	-	-	-	1	-	-
100+00 - 104+75	TEMP. BYPASS	858	521	337	1.7	26	12	49	-	31	1,733	2
UNDISTRIBUT	ΓED	119	65	54	0.1	4	3	6	10	5	176	1
ITEM TOTAL	TOTAL 0010	1,240	720	520	2.2	37	15	55	10	40	1,910	3

EROSION CONTROL MOBILIZATION ITEMS

LANDSCAPING ITEMS

	628.1905	628.1910
	MOBILIZATIONS	MOBILIZATIONS EMERGENCY
	EROSION CONTROL	EROSION CONTROL
LOCATION	EACH	EACH
ID 8335-00-70	5	3
ITEM TOTAL	5	3

WATER

				624.0100	
STATION	TO	STATION	LOCATION	MGAL	REMARKS
11+47	-	12+82	5TH STREET	4	COMPACTION & DUST CONTROL
100+00	-	104+75	TEMP. BYPASS	10	COMPACTION & DUST CONTROL
ITEM TOTAL				14	

EROSION CONTROL ITEMS

				628.1504	628.1520	628.6005	628.7504	628.7555
				SILT	FENCE	TURBIDITY	TEMPORARY	CULVERT PIPE
					MAINTENANCE	BARRIERS	DITCH CHECKS	CHECKS
STATION	TO	STATION	LOCATION	LF	LF	SY	LF	EACH
11+47	-	12+82	5TH STREET - LT	80	80	=	15	2
11+47	-	12+82	5TH STREET - RT	130	130	=	=	=
11+97	-	12+32	S. ABUTMENT	-	-	108	-	-
11+97	-	12+32	N. ABUTMENT	=	=	108	=	=
100+00	-	104+75	TEMP. BYPASS	480	480	-	30	-
	U	NDISTRIBUT	ED	210	210	24	15	2
ITEM TOTA	L			900	900	240	60	4

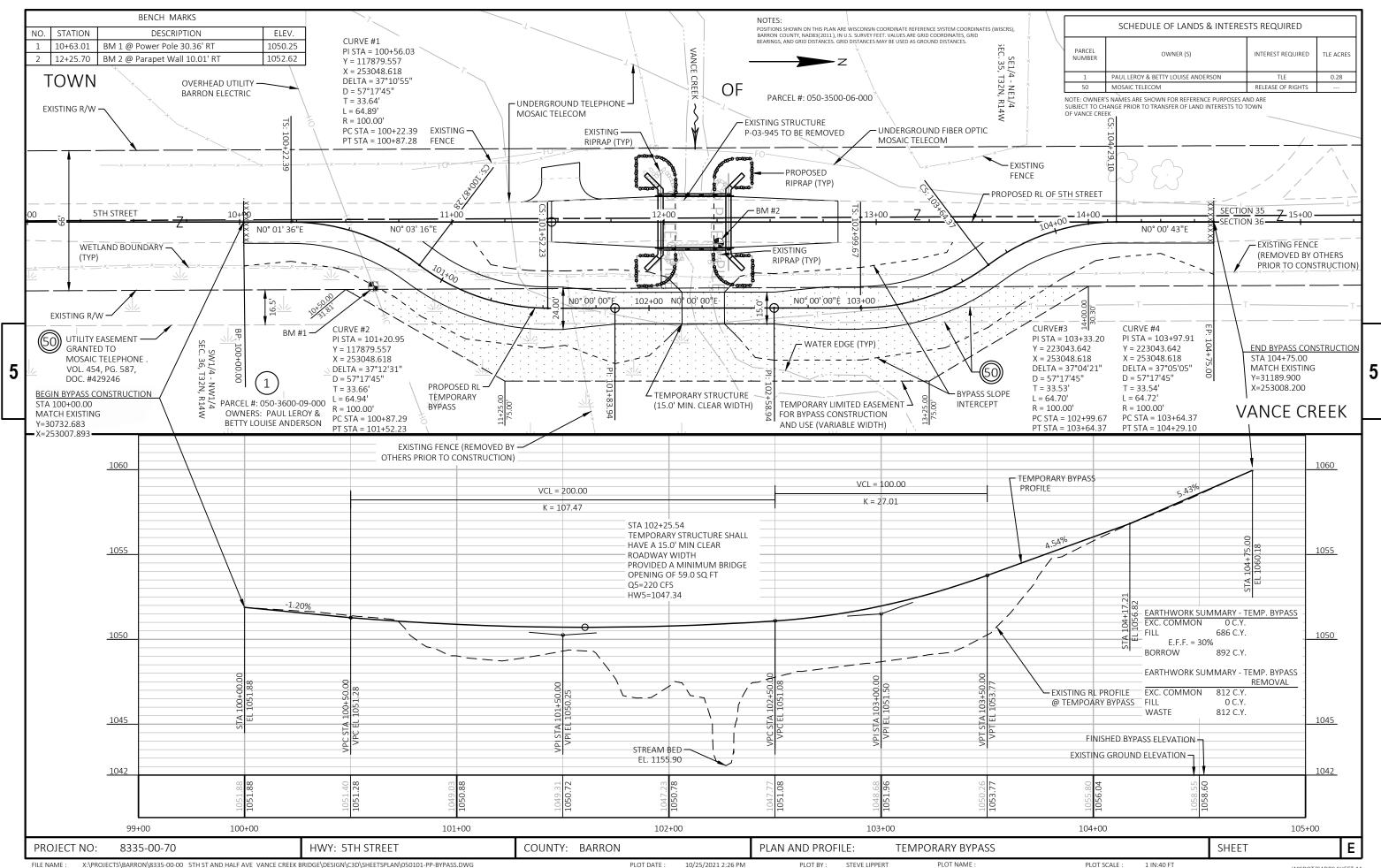
NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED.

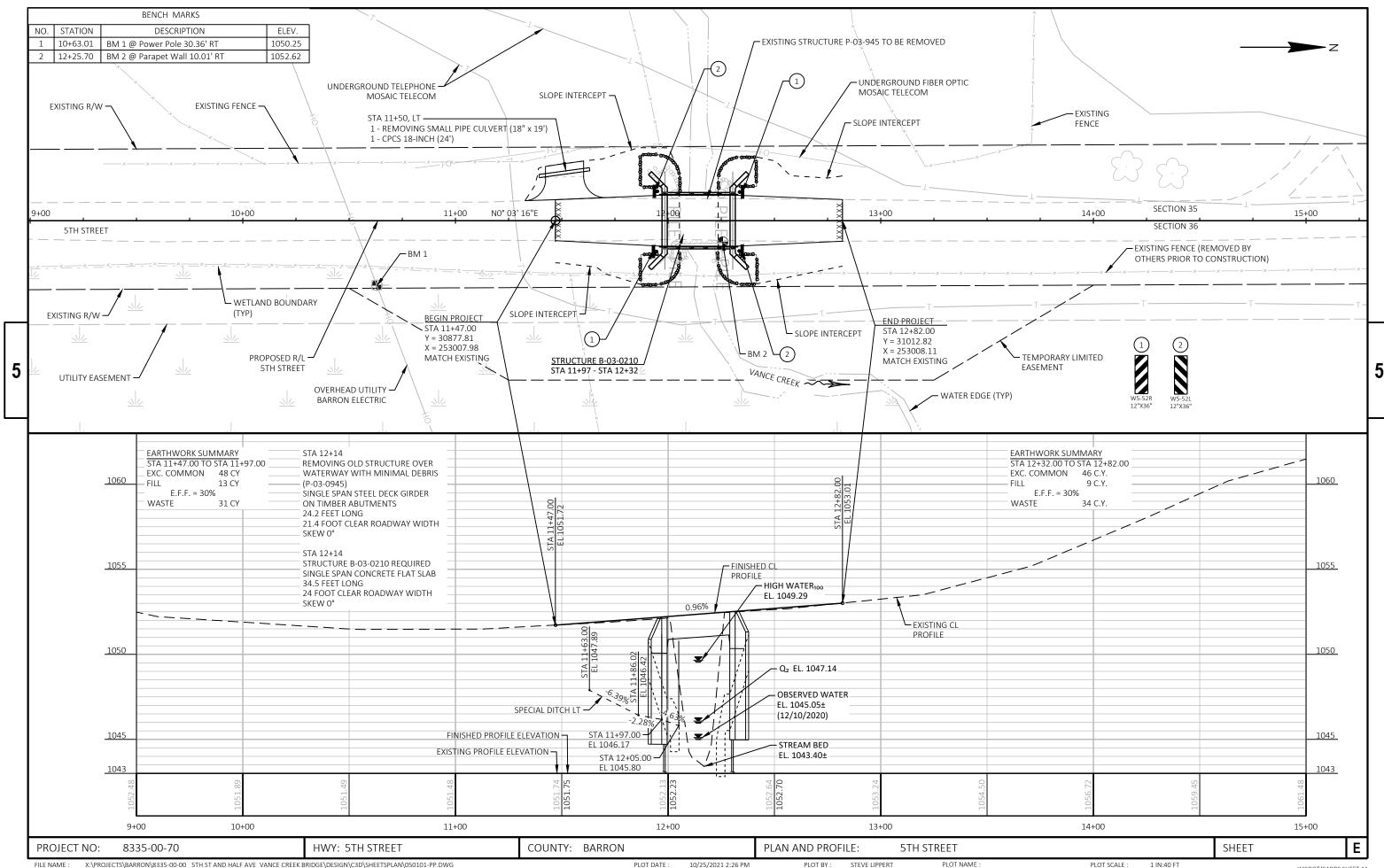
COUNTY: BARRON SHEET Ε PROJECT NO: 8335-00-70 HWY: 5TH STREET MISCELLANEOUS QUANTITIES FILE NAME: X:\PROJECTS\BARRON\8335-00-00_5TH ST AND HALF AVE_VANCE CREEK BRIDGE\DESIGN\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 02 PLOT SCALE : 1" = 1' PLOT DATE : 10/21/2021 2:52 PM PLOT BY: MATT SOLIN PLOT NAME :

	TRAFFIC CONTROL											
	LOCATION	DURATION DAYS	633.1100 DELINEATORS TEMPORARY EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C DAY	643.0900 SIGNS DAY	643.500 EACH			
	PER SDD "TRAFFIC CONTROL TEMPORARY BYPASS ROADWAY" ITEM TOTAL	80	16 16	2,400 2,400	1,280 1,280	1,600 1,600	1,280 1,280	2,880 2,880	1			
	ADD ONE LANE ROAD AHEAD, STOP AHEAD, AND TRAFFIC CONTROL PLACEMENT SUBJECT TO ENGI		H END OF TEMPORAR	Y BYPASS								
FIELD OFFICE TYPE B 642.5001 LOCATION EACH ID 8335-00-70 1		ON	335-00-70) 13.0100 EACH		PERMAN	ENT SIGNING ITE	MS 634.06: POSTS WOO INCH X 14 EACH	D 4X6- SIG 1-FT REF	37.2230 SNS TYPE II FLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS W5-52L

CATEGORY STATION TO STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.6500.01 STRUCTURE LAYOUT 01. B-3-210 LS	650.9910 SUPPLEMENTAL CONTROL (8335-00-70) LS	650.9920 SLOPE STAKES LF REN	<i>n</i> arks	
0010 11+47 - 11+97 0020 11+97 - 12+32 0010 12+32 - 12+82 0010 100+00 - 104+75	5TH STREET B-3-210 5TH STREET TEMP. BYPASS	50 - 50 480	50 - 50 480	- 1 -	1	50 - 50 480		
ITEM TOTAL		580	580	1	1	580		
MOBILIZATION					MAINTENANCI	E AND REPAIR OF HAUL R	OADS (8335-00-70)	
619.1000 LOCATION EACH ID 8335-00-70 1					CATEGORY 0030	PROJECT 8335-00-70	618.0100 EACH 1	
ITEM TOTAL 1					ITEM TOTAL	3333 00 70	1	•

LAYOUT NAME - 04





Standard Detail Drawing List

)8E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
)8E09-06	SILT FENCE
)8E11-02	TURBIDITY BARRIER
)8E15-01	CULVERT PIPE CHECK
L2A03-10	NAME PLATE (STRUCTURES)
L5A04-06C	DELINEATOR POST WITH REFLECTIVE SHEETING
L5C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
.5С11-09В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
L5C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
L5D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
L5D31-03	TRAFFIC CONTROL, TEMPORARY BYPASS ROADWAY

6

6

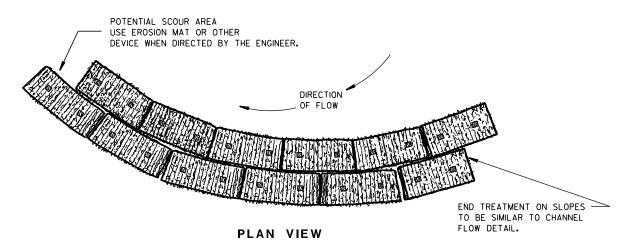
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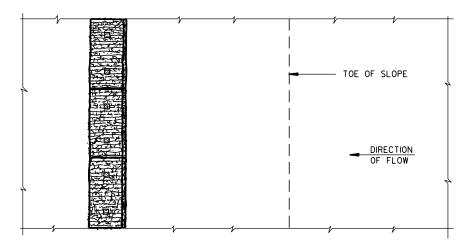
GENERAL NOTES

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.

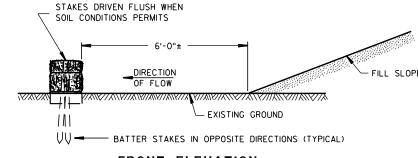
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



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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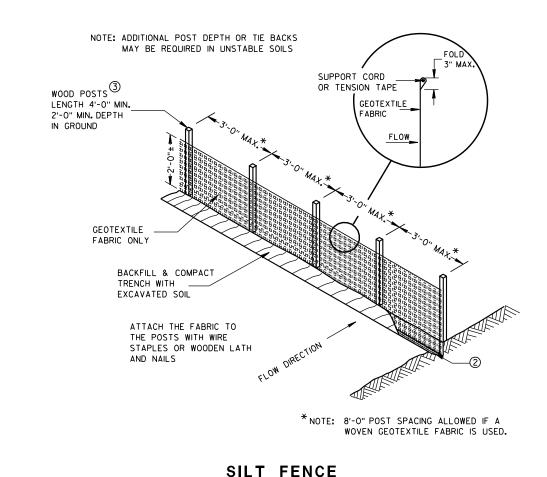
TYPICAL APPLICATION OF SILT FENCE

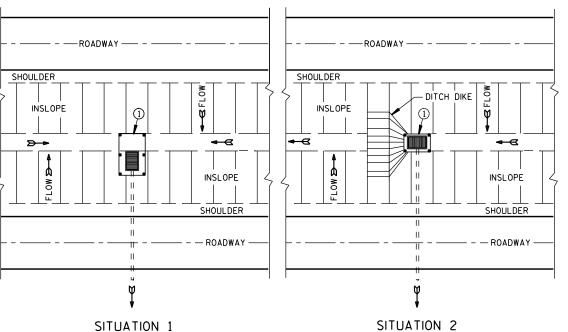
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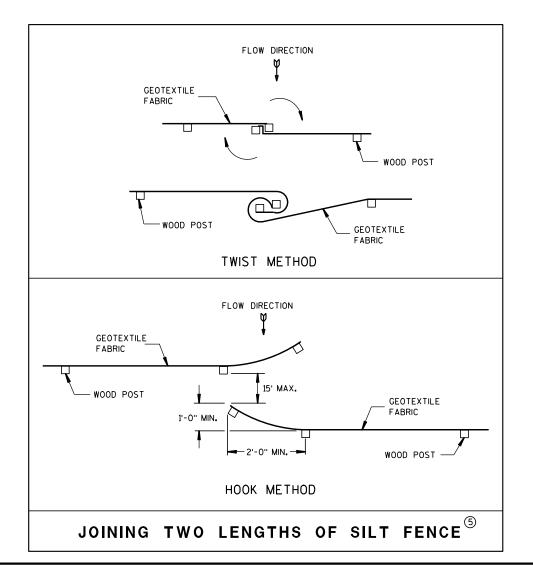
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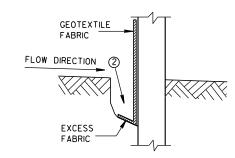
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



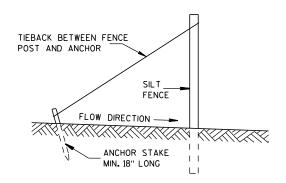
GENERAL NOTES

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

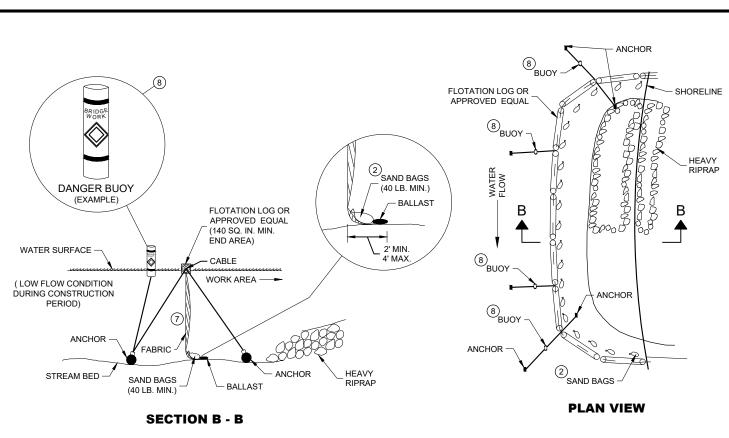
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

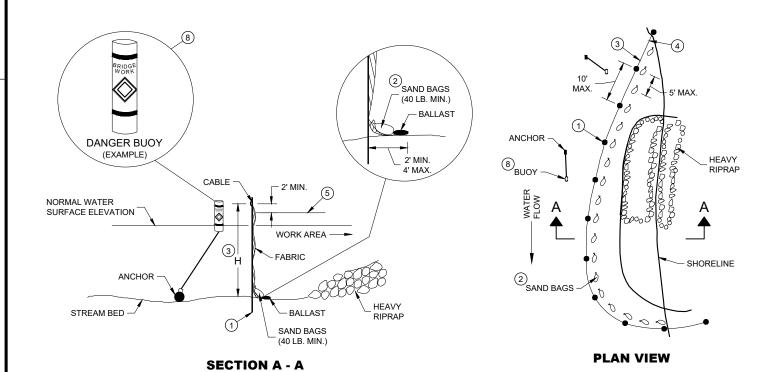
4-29-05
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

D.D. 8 E 9-6

6



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

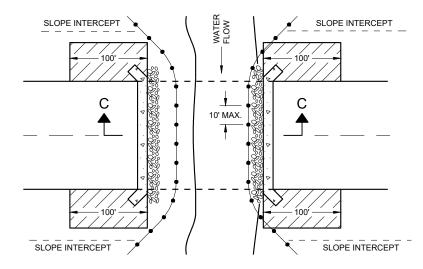
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

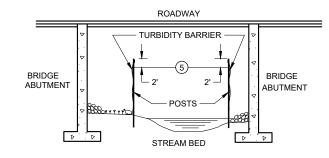
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH
- (2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



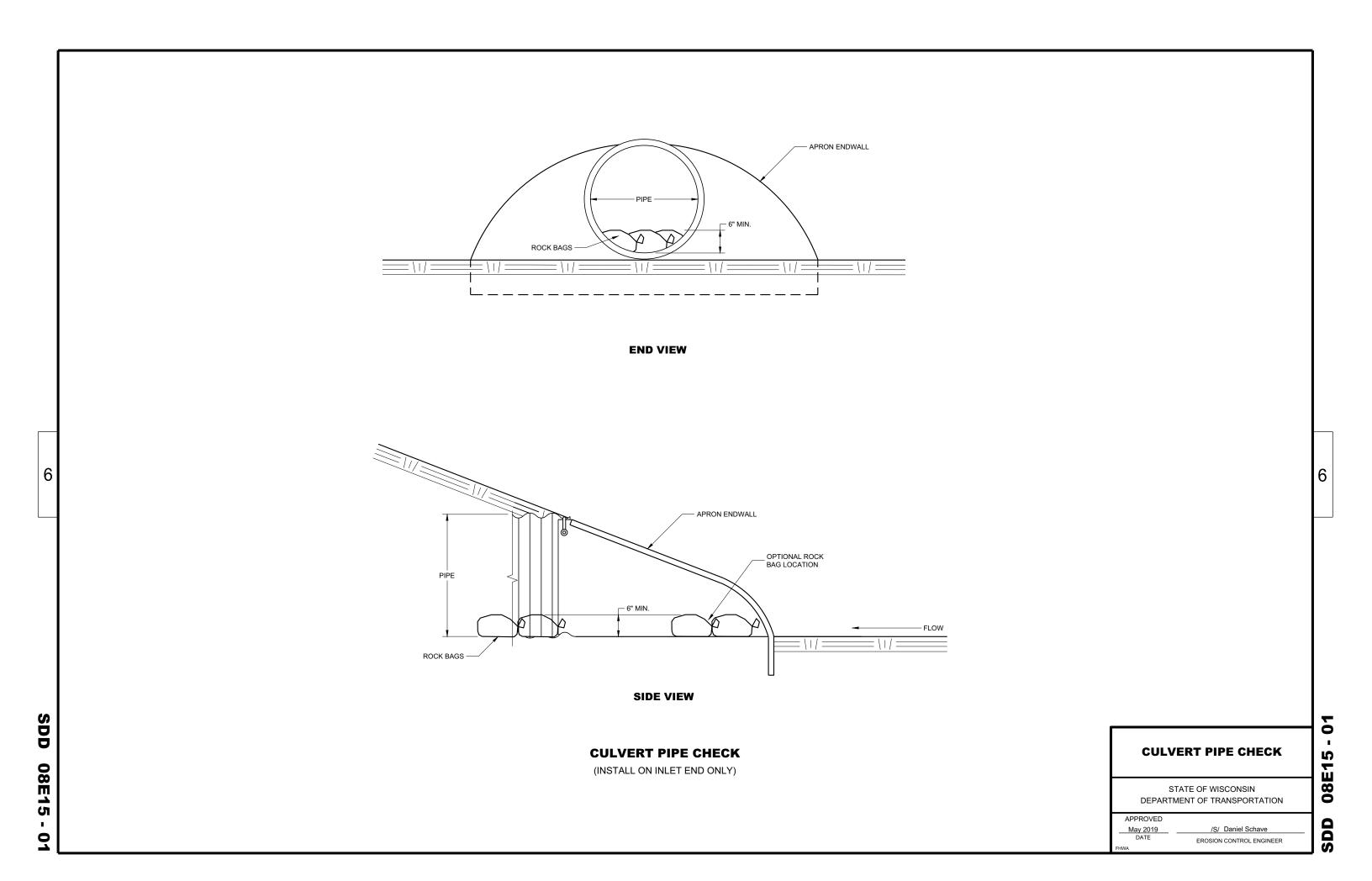
SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

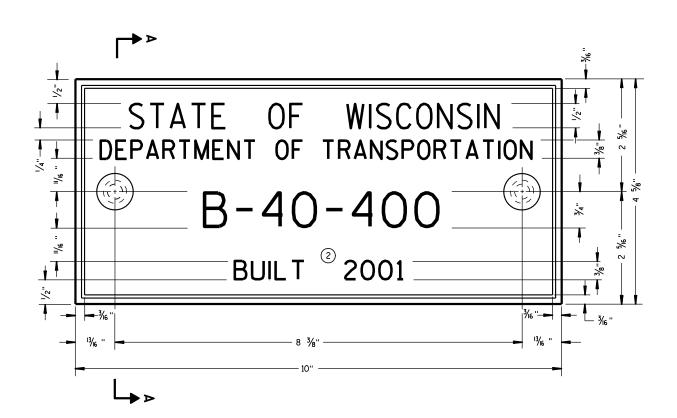
TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

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

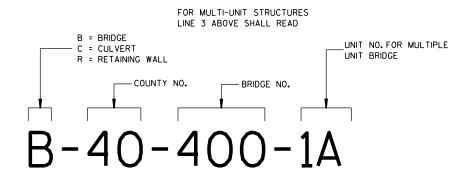






TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



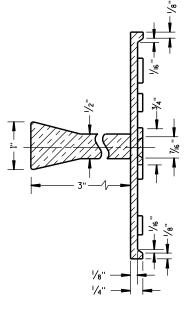
NUMBERING DESIGNATION **MULTI-UNIT STRUCTURES**

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.

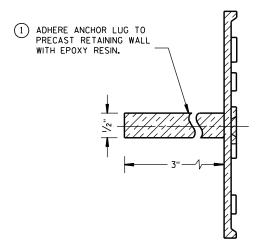
- (1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- (2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE



SPREAD TOP OF

SECTION A-A

ALTERNATE LUG



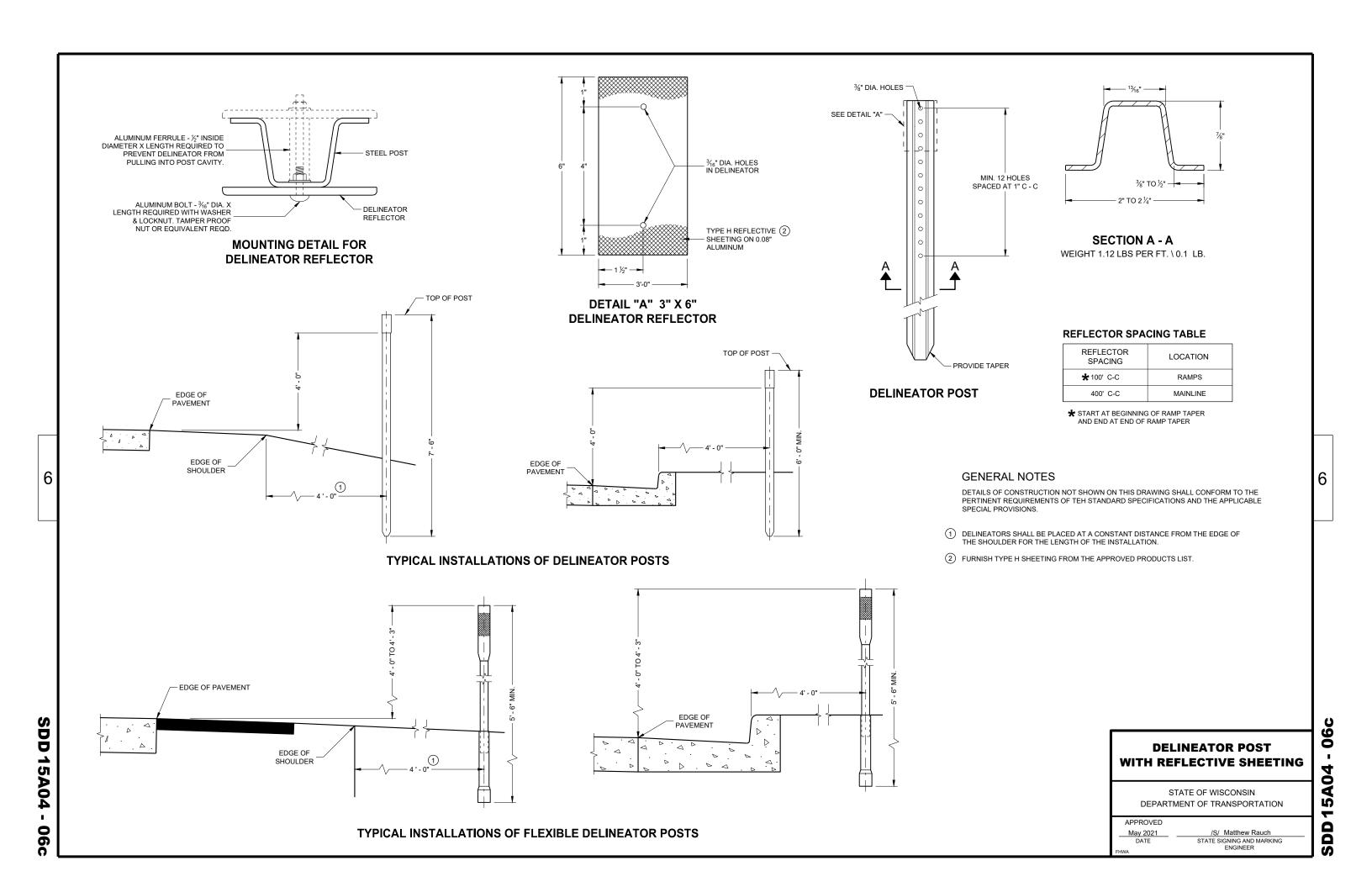
ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

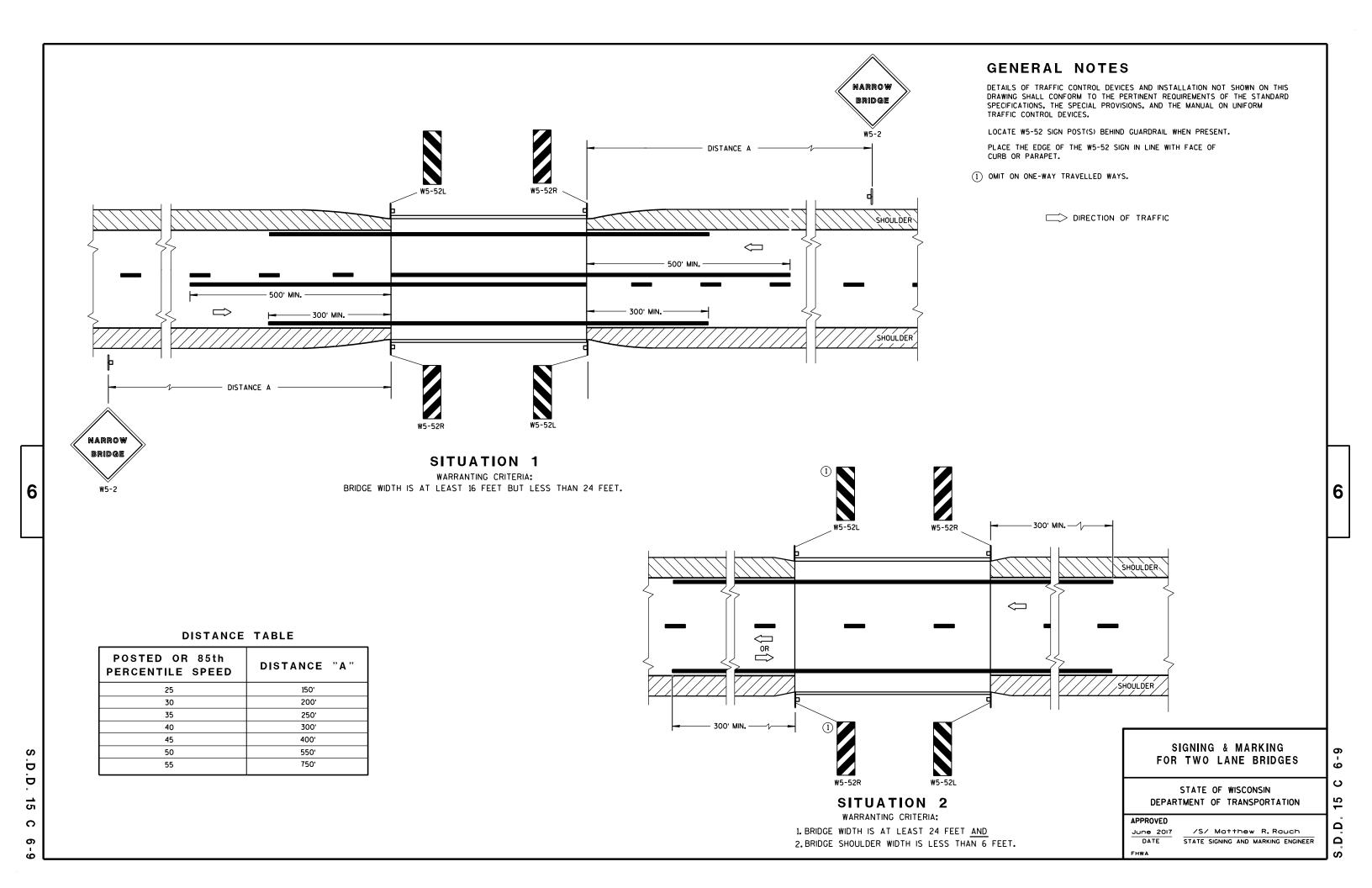
NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 3-10

APPROVED

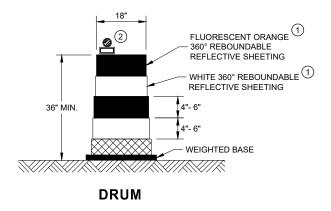
/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER

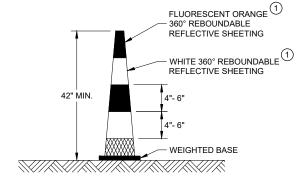




GENERAL NOTES

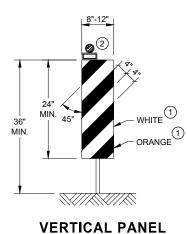
- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



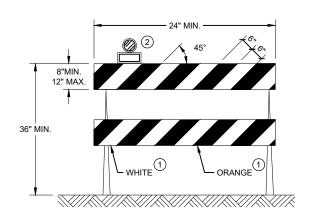


42" CONE DO NOT USE IN TAPERS

½ SPACING OF DRUMS

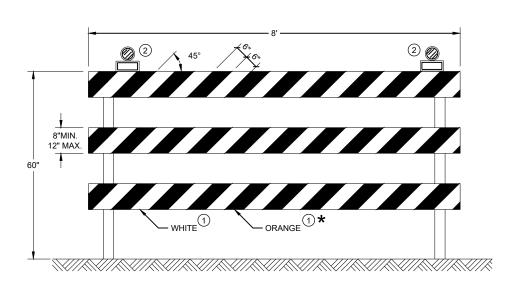


THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

<u>60</u>

15C

SDD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2021	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

RUMBLE

STRIPS

WORK

GENERAL NOTES FLAGGING LEGEND DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH SIGN ON PORTABLE OR PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PERMANENT SUPPORT PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER. FLAGGER, EQUIPPED WITH STOP/SLOW EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S PADDLE FASTENED ON SUPPORT STAFF RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN. ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A" 35-40 MPH STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

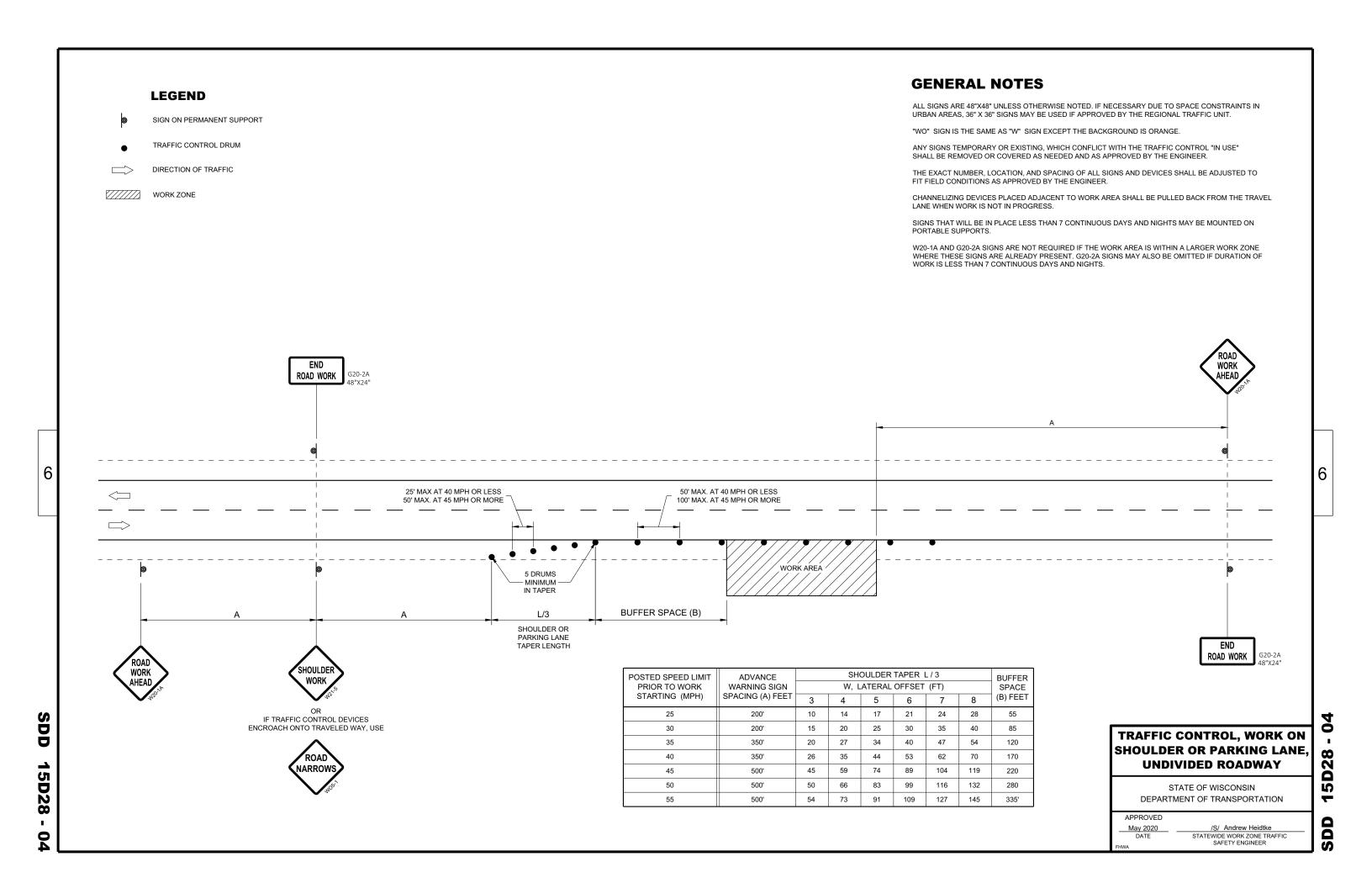
TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

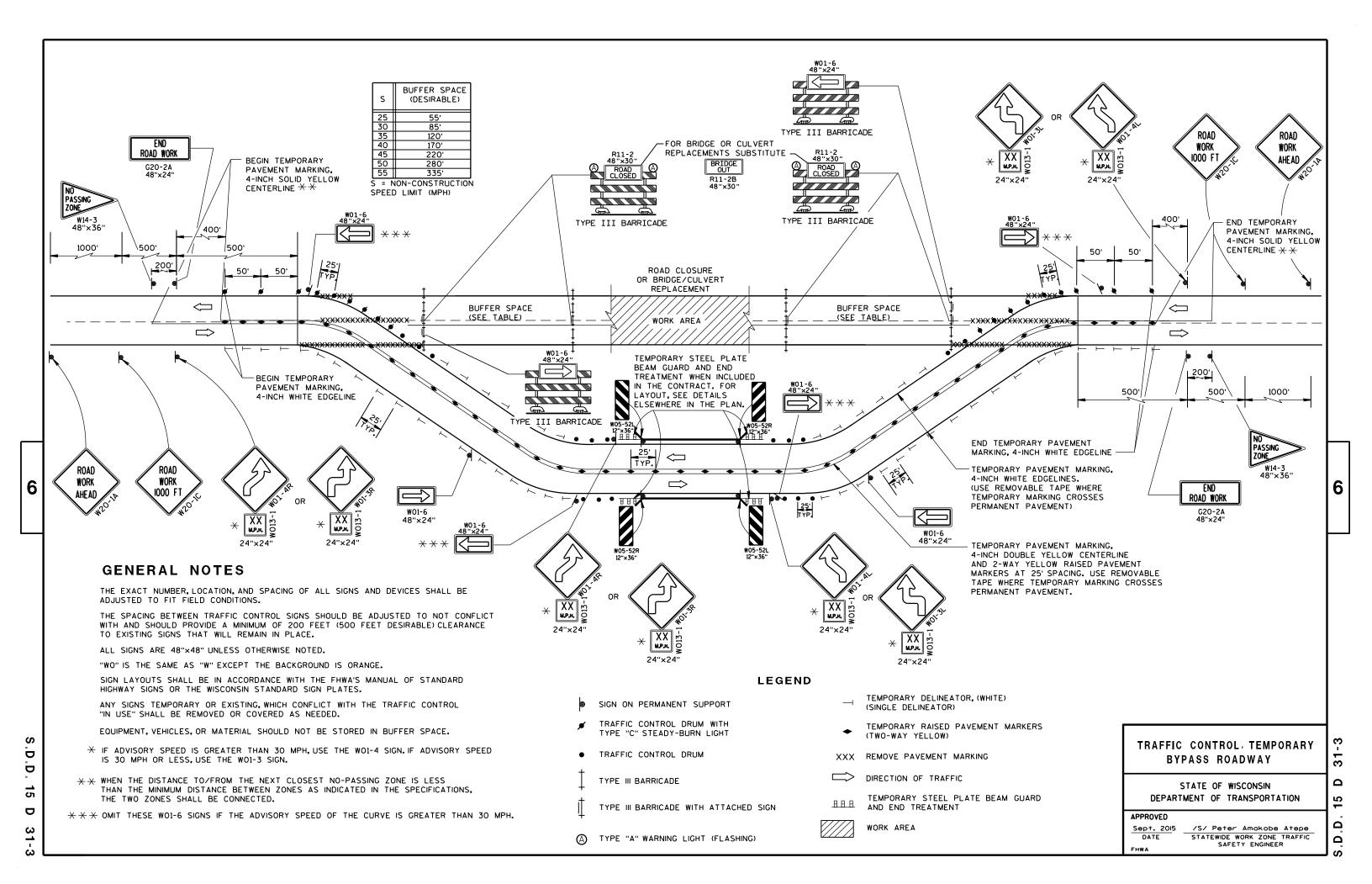
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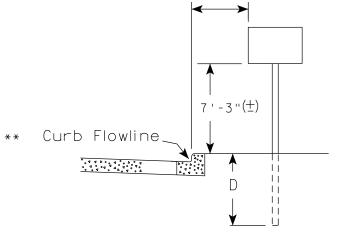
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

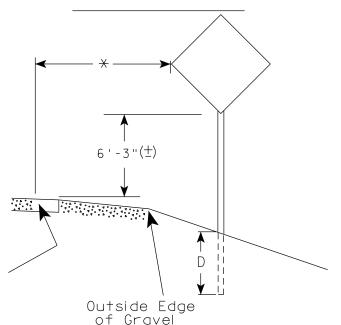
APPROVED	
May 2019	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
ELIM/A	





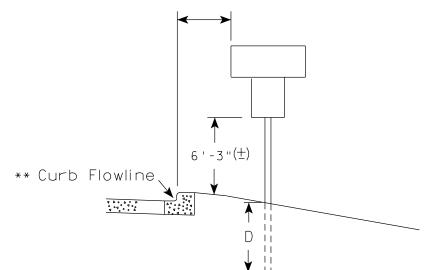


White Edgeline Location



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

HWY:



White Edgeline Location

** The existence of curb and gutter does not in

yeline
Outside Edge
of Gravel

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

* 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.

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.

2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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" (±).

- 3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{2}$).
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (±) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign
Installation
(Sq.Ft.)

20 or Less

Greater than 20

Area of Sign
D
(Min)

5'

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

SHEET NO:

Ε

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\A43.dgn

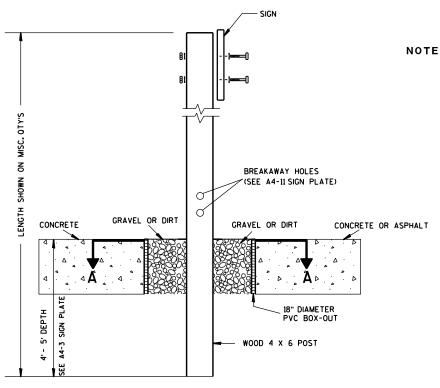
measured from the flow line.

COUNTY: PLOT DATE: 13-MAY 2020 1:04

PLOT BY: mscj9h

PLOT NAME :

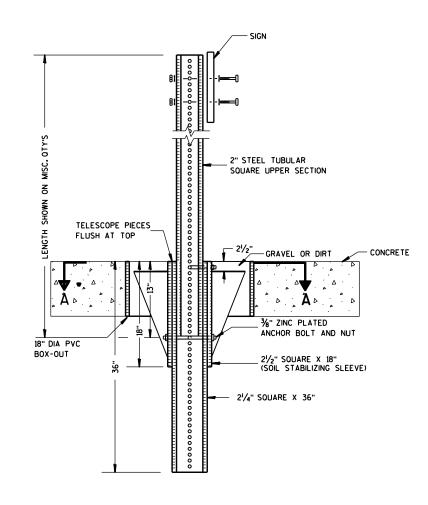
PLOT SCALE: \$\$.....plo†scale.....\$\$WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



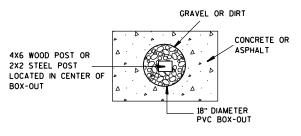
ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT

ELEVATION VIEW

DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 13.659812:1.000000

APPROVED

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\star\star\star$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

TYPICAL INSTALLATION

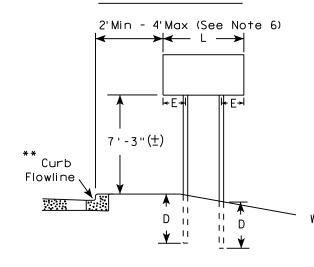
For State Traffic Engineer

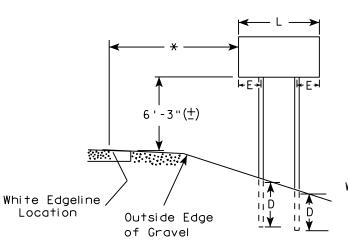
DATE 8/21/17 PLATE NO. A4-4.15

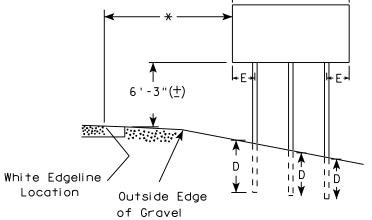
SHEET NO:

URBAN AREA

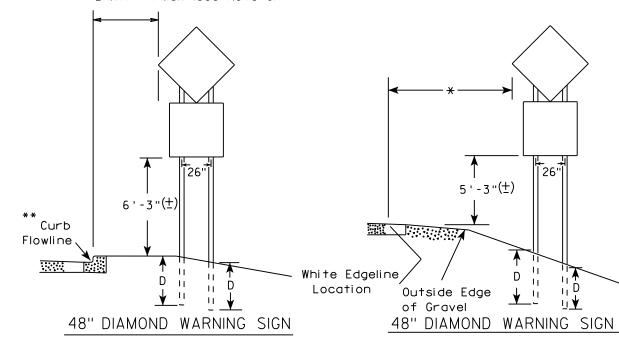
RURAL AREA (See Note 3)







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



	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRED	
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

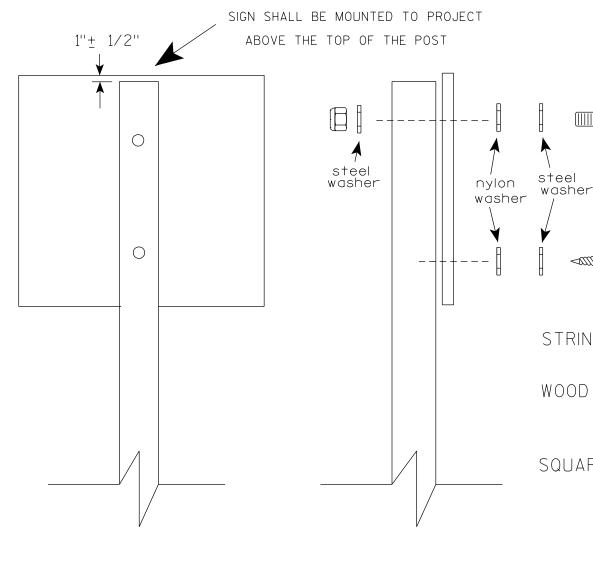
PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

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

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS $(4'' \times 6'')$

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 3/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

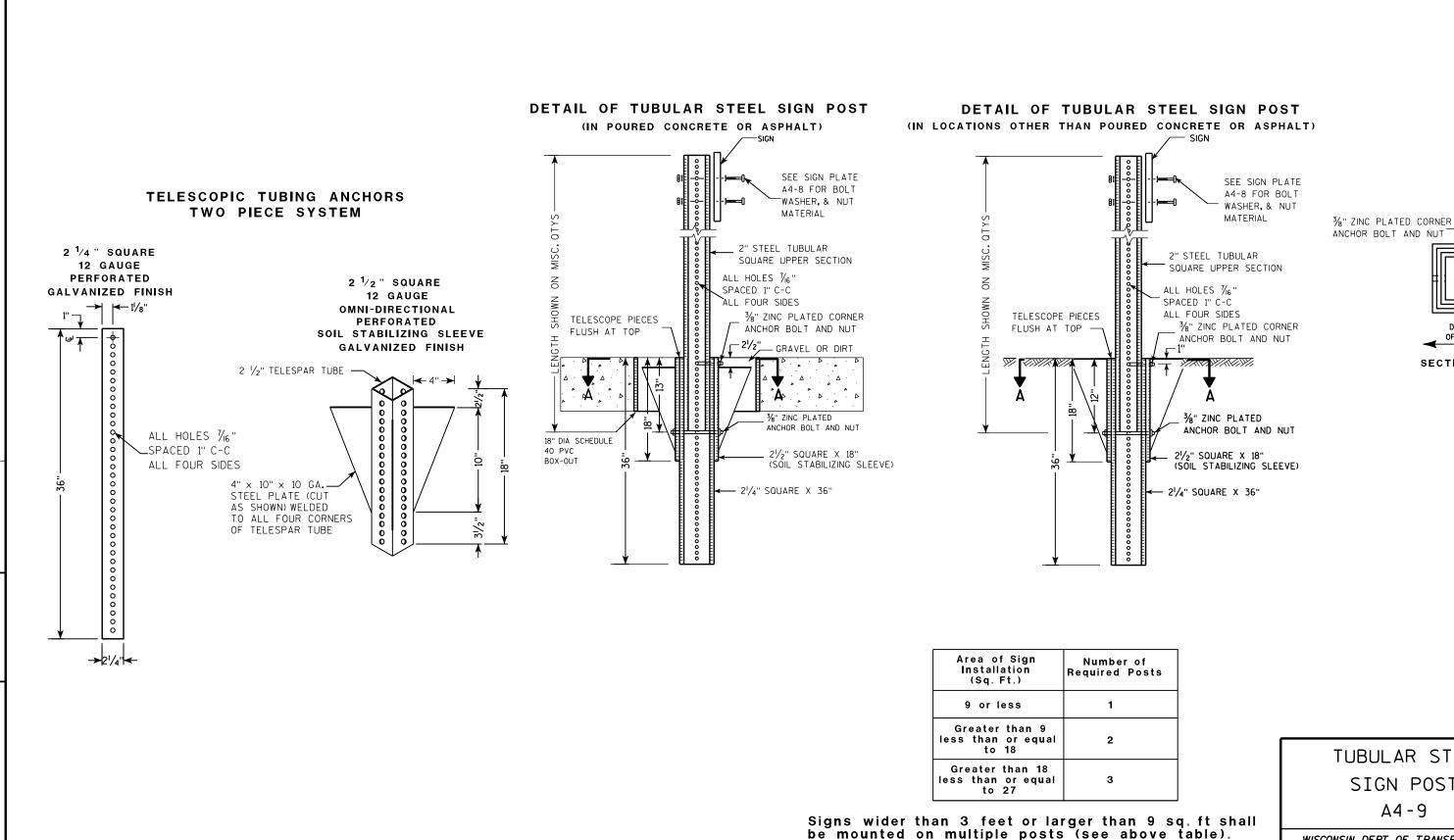
SHEET NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

Ε

PROJECT NO:



TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 2/05/15 PLATE NO. <u>A4-9.9</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN

HWY:

PROJECT NO:

PLOT DATE: 05-FEB-2015 17:09

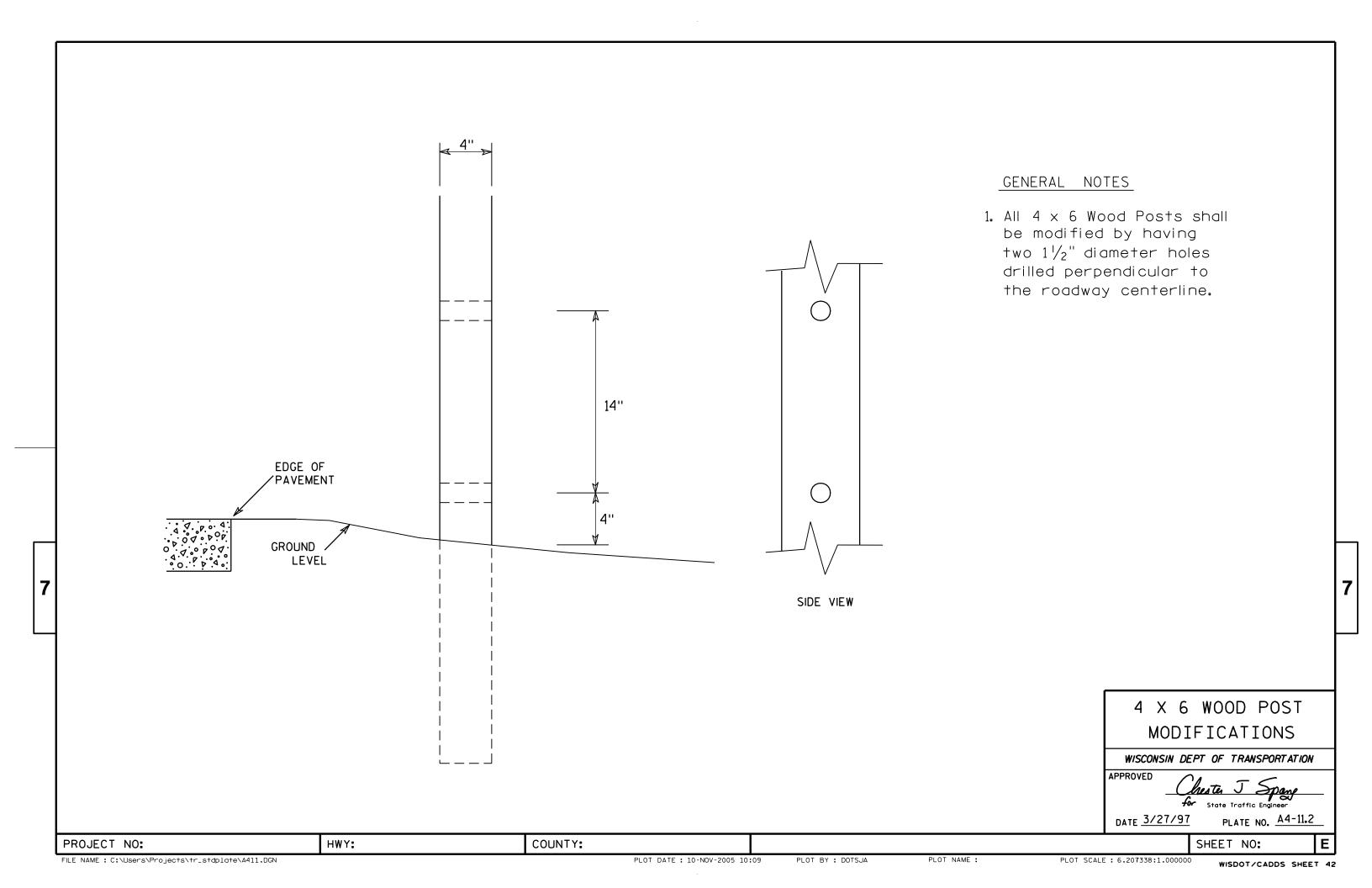
COUNTY:

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

SECTION A-A



NOTES

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

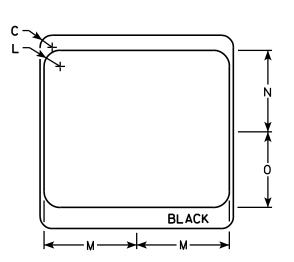
Background - White & Black - See Note 7 Message - Black

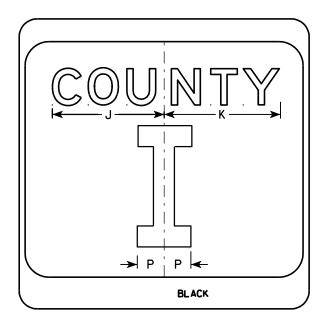
- 3. Message Series see Note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Message Series E for 1 letter.

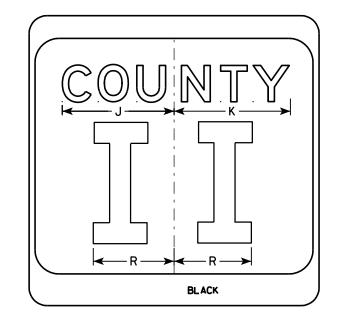
 Message Series D for 2 letters unless
 message is too big then Series C.

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

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







С	D E	F	G	Н	I		V						_	_	_								Aren
					_		N.	L	M	N	0	P	Q	R	S	T	U	٧	W	_ X	Y	Z	Area sq. ft.
1 1/2		10	3	5 1/8	4 1/8	9 1/4	9 %	2	11 1/2	10 1/8	9 3/8	2 1/4		6 %									4.0
2 1/4		16	4	7 5/8	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
2 1/4		16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 %		10									9.0
2 1/4		16	4	7 %	5 %	12 1/4	12 1/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
			Гыу	N.V.					COLIN	TV.													
4	2 1/4	2 1/4	2 1/4 16 2 1/4 16	2 1/4 16 4 2 1/4 16 4 2 1/4 16 4	2 1/4 16 4 7 5/8 2 1/4 16 4 7 5/8	2 1/4 16 4 7 5/8 5 5/8 2 1/4 16 4 7 5/8 5 5/8 2 1/4 16 4 7 5/8 5 5/8 2 1/4 16 4 7 5/8 5 5/8	2 1/4 16 4 7 5/8 5 5/8 12 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 3 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 3 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 3 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 3/8 3	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10	2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10 2 1/4 16 4 7 5/8 5 5/8 12 1/4 12 7/8 3 17 1/8 15 1/4 14 3 3/8 10

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M15A.DGN

BLACK

M1-5A

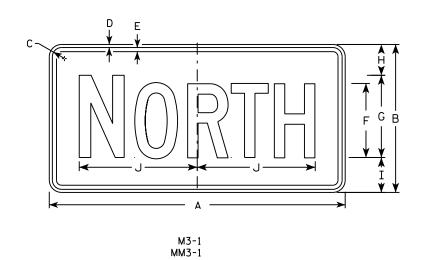
PLOT DATE: 29-SEP-2011 11:25

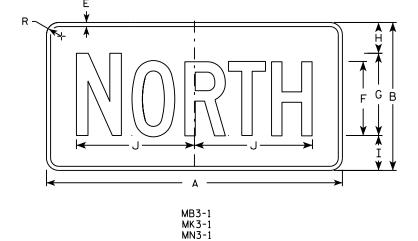
PLOT NAME :

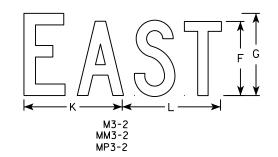
PLOT BY: mscsja

PLOT SCALE: 5.959043:1.000000

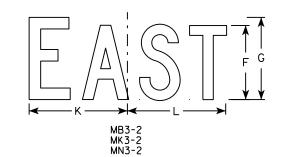
WISDOT/CADDS SHEET 42

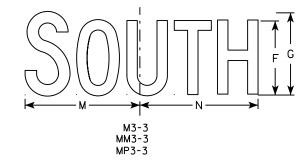


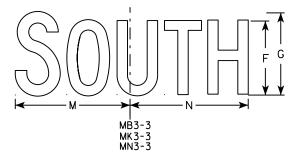


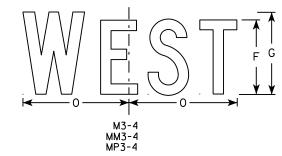


MP3-1

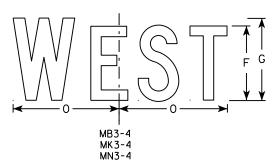








HWY:



NOTES

- 1. All Signs Type II Type H
- 2. Color:

Background - See note 5 Message - See note 5

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

5. M3-1 thru M3-4 Background - White Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

MN3-1 thru MN3-4 Background - Brown

Message - White

MP3-1 thru MP3-4 Background - White

Message - Blue

6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	Х	Υ	Z	Area sq. ft.
1 1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

PROVED Matthe & Rame

DATE 10/15/15 PLATE NO. M3-1.14

SHEET NO:

Ε

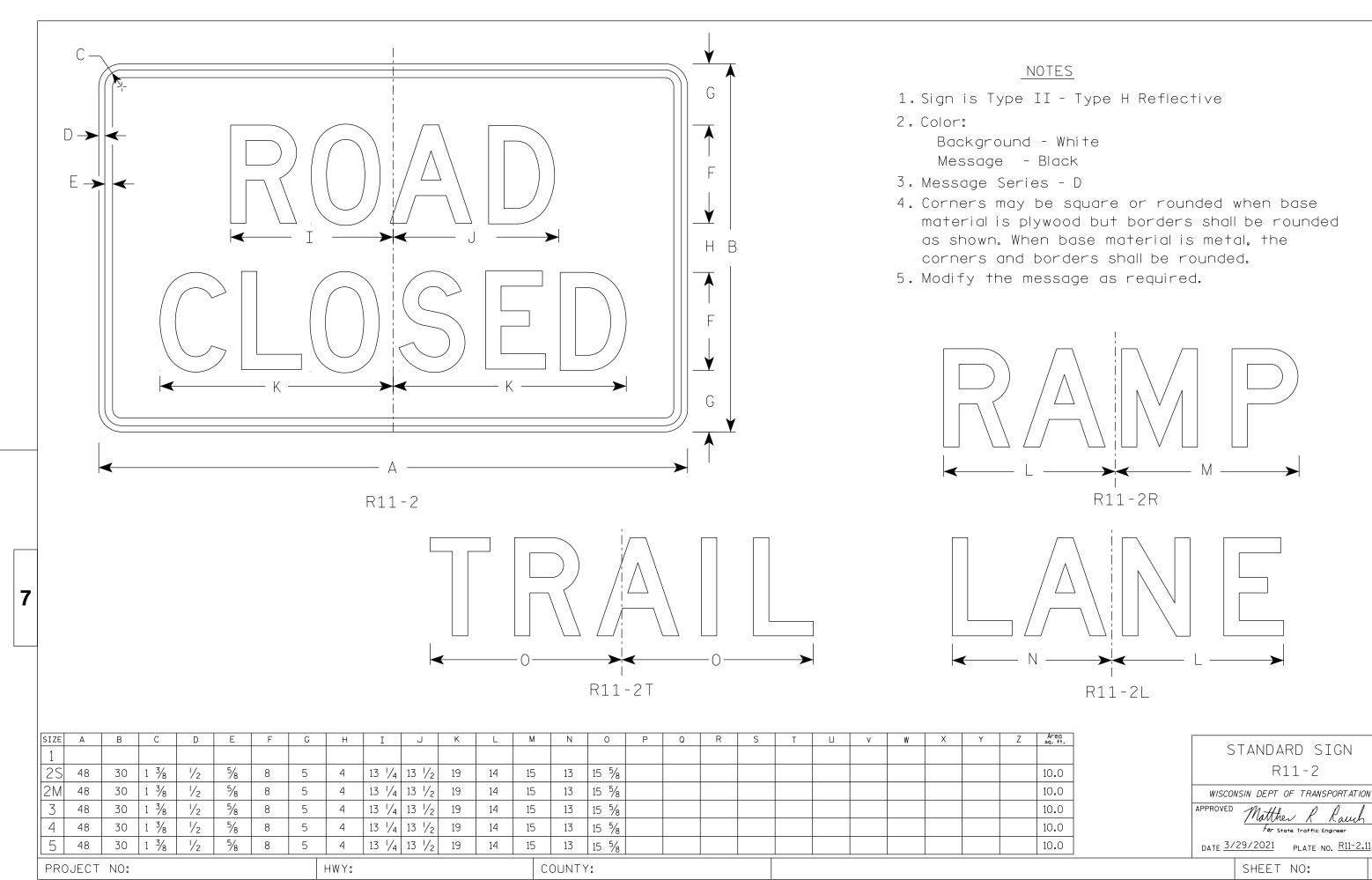
PROJECT NO:

FILE NAME · C·\CAFfiles\Projects\tr stdplote\M31 DGN

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAMF :

PLOT SCALE . 11 675051.1 000000



FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn

PLOT DATE: 29-MAR 2021 8:15

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

NOTES

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

Background - White Message - Black

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

C —	<u> </u>
	G
R11-2B	P 1

SIZE	Α	В	С	٥	Е	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	X	Y	Z	Areo sq. ft.
1																											
25	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 3/4	9 %																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 ¾	9 ¾	9 %																10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

Matthew R Rauch

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

SHEET NO:

PROJECT NO:



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

Background - White Message - Black

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

** See Note 5

D ➤

E→

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	v	W	Х	Υ	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 ½	2	6 3/4	7 1/8			4.5
25	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 %	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 1/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 %	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 1/8			12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rawh DATE 3/21/17 PLATE NO. R11-3B.3

SHEET NO:

HWY:

R11-3B

PLOT DATE: 21-MAR-2017 08:46

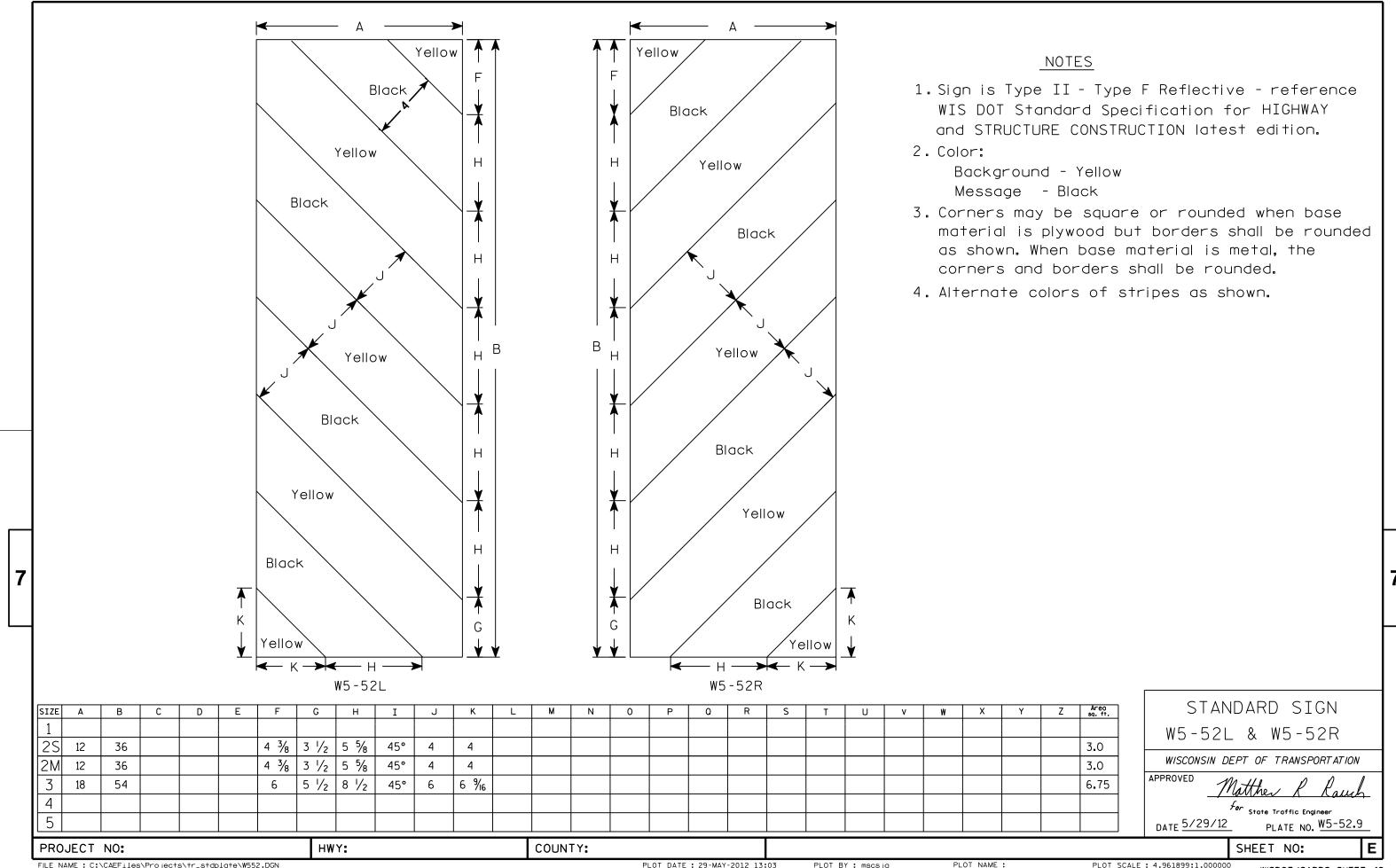
PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

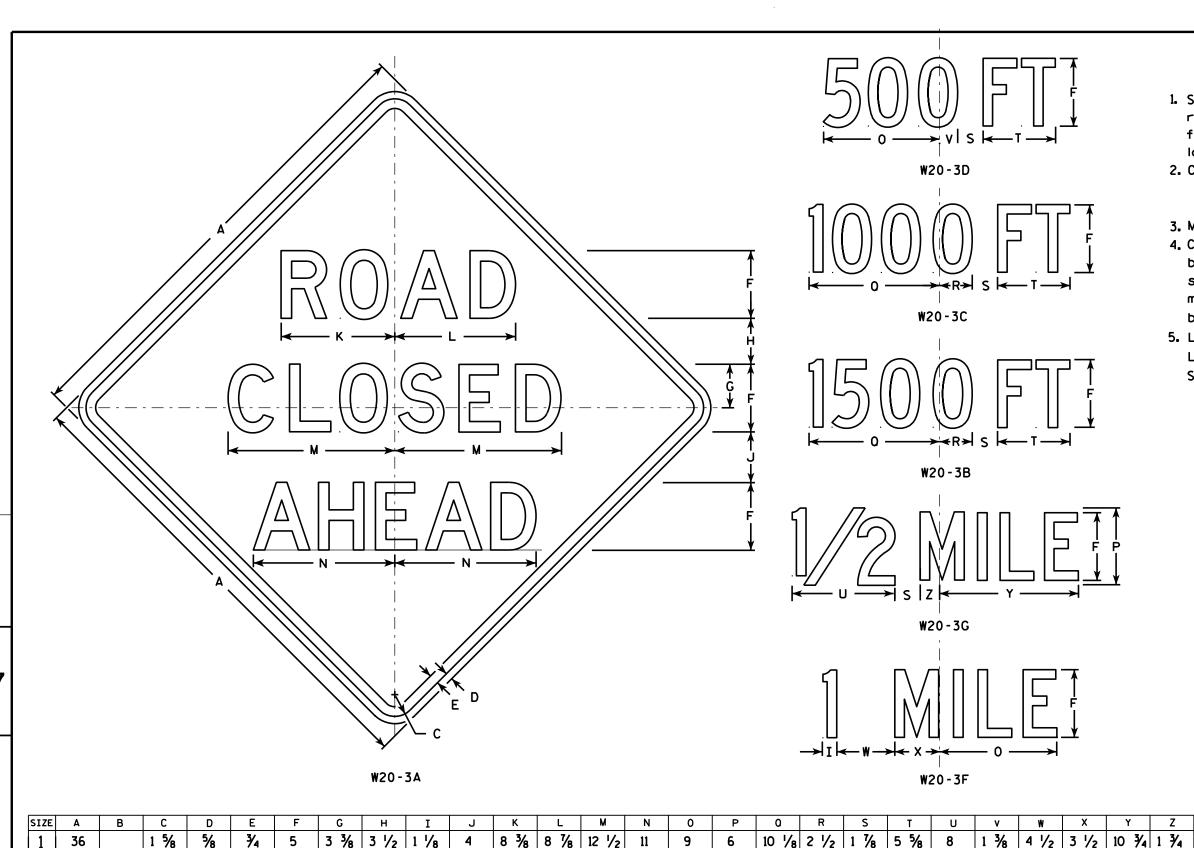
PLOT SCALE: 6.896672:1.000000

WISDOT/CADDS SHEET 42

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

PROJECT NO:





NOTES

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

Background - Orange Message - Black

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

STANDARD SIGN
W20-3A, B, C, D, F & G
WISCONSIN DEPT OF TRANSPORTATION
APPROVED

Mathewall Rauh
For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

SHEET NO:

4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8

4 1/2 4 3/4 1 1/2 5 1/4 11 3/4 12 1/2 17 1/4 14 5/8

4 1/2 | 4 3/4 | 1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 |

1 1/2 | 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 |

| 5 1/4 | 11 3/4 | 12 1/2 | 17 1/4 | 14 5/8 |

COUNTY:

PLOT DATE: 18-MAR-2011 12:08 PLOT BY: mscj9h

13 1/2 3 3/8 2 5/8

PLOT NAME :

7 1/2 10 5/8 1 7/8

7 1/2 10 5/8 1 7/8

10 % 1 %

7 1/2

13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8

13 1/2 3 3/8 2 5/8 7 1/2 10 5/8 1 3/8

4 \(\frac{5}{8} \) 14 \(\frac{3}{8} \) 2 \(\frac{3}{8} \) 16.0

4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0

4 % | 14 % | 2 % | 16.0

4 \\ 14 \\ 38 \ 2 \\ 38 \ 16.0

4 5/8 14 3/8 2 3/8 16.0

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

2 1/4

2M

5

48

48

48

48

PROJECT NO:

3/4

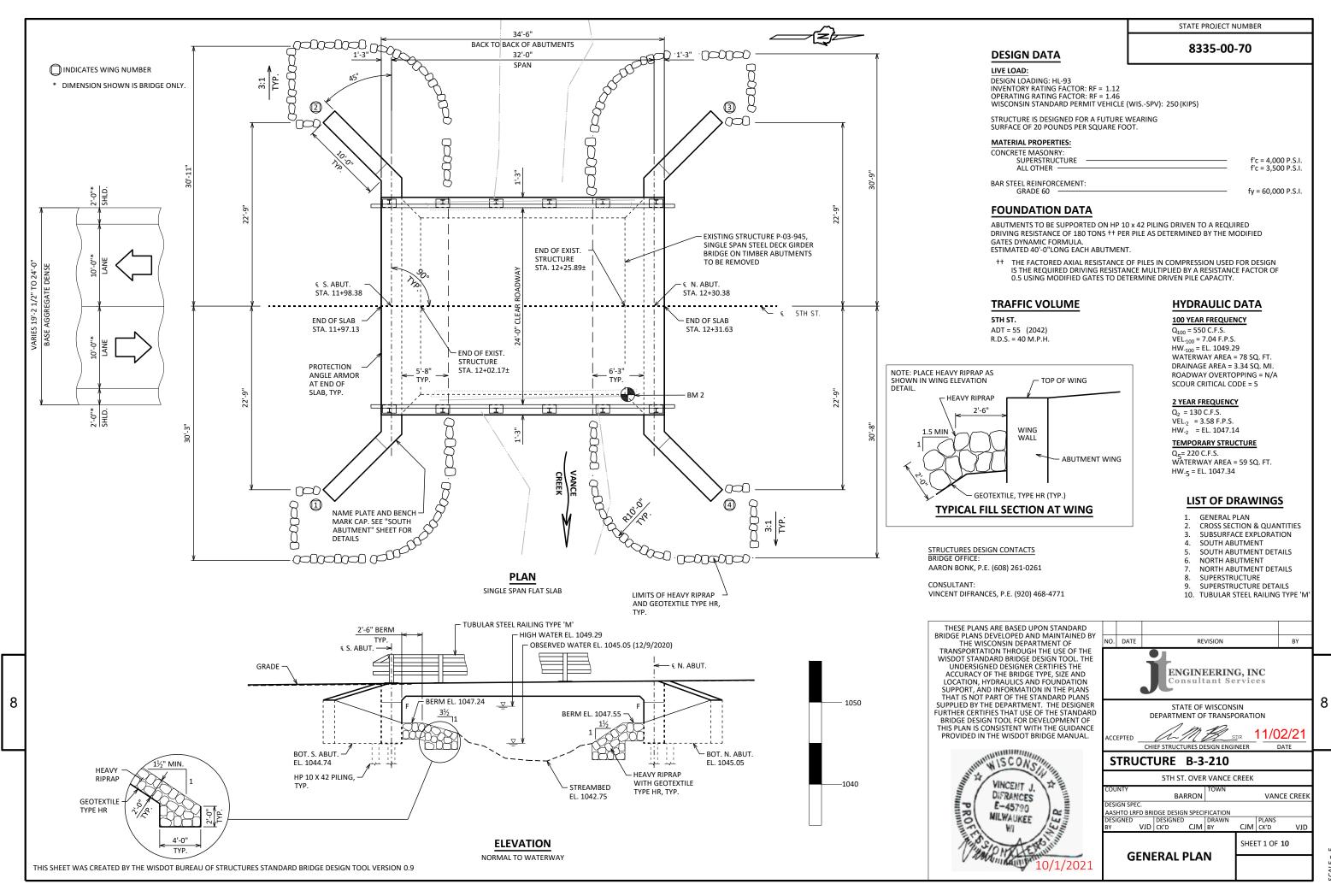
3/4

3/4

3/4

3/4

HWY:



CALE = 3

GENERAL NOTES

8335-00-70

DRAWINGS SHALL NOT BE SCALED.

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

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

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

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-03-210" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. EXCAVATION BELOW THE ABUTMENT AND ABUTMENT 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 IS CALCULATED BASED ON THE DETAIL SHOWN IN THE

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS. AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN

ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

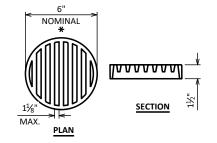
PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO ENTIRE EXPOSED TOP OF SLAB, INCLUDING THE SLAB EDGE AND 1'-0" UNDER THE SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS AND FRONT FACE OF ABUTMENT TO 1'-0" PAST THE EDGE OF SLAB.

STEEL PROTECTION ANGLE ARMOR, INCLUDING ANGLE, STUDS, FABRICATION, INSTALLATION, AND ALL INCIDENTAL ITEMS, ARE TO BE PAID UNDER THE BID ITEM "STRUCTURAL STEEL CARBON

TEMPORARY STRUCTURE SHALL HAVE A 15.0' MIN. CLEAR WIDTH, AND PROVIDE A MINIMUM BRIDGE OPENING OF 59.0 SQ. FT. TEMPORARY STRUCTURE HYDRAULIC DATA: Q5 = 220 C.F.S., HW5 = EL. 1047.34

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
2	12+25.70	PARAPET WALL AT 10.01-FT. RT.	1052.62

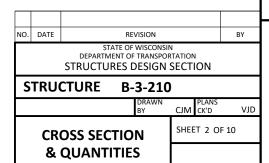


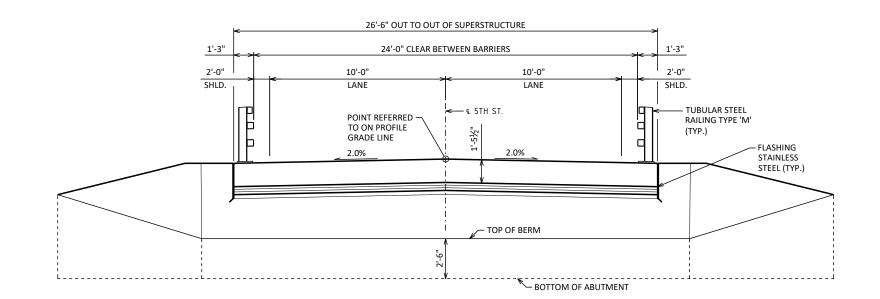
RODENT SHIELD DETAIL

* 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 UNDERDRAING 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.





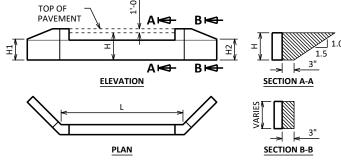
CROSS SECTION THRU ROADWAY

LOOKING UPSTATION

+0.96%

PROFILE GRADE LINE

(PILING NOT SHOWN FOR CLARITY)



ABUTMENT BACKFILL DIAGRAM

- = ABUTMENT BODY LENGTH AT BACKFACE (FT)
- = AVERAGE ABUTMENT FILL HEIGHT (FT) = WING 1 HEIGHT AT TIP (FT)
- = WING 2 HEIGHT AT TIP (FT)
- = WING LENGTH (FT)
- = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
- = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)
- $= V_{CF}(EF)/27$

8

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM DESCRITION	UNIT	SUPER	S. ABUT.	N. ABUT.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-3-945	EACH				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-3-210	LS				1
210.1500	BACKFILL STRUCTURE TYPE A	TON		137	137	274
502.0100	CONCRETE MASONRY BRIDGES	CY	53	27	27	107
502.3200	PROTECTIVE SURFACE TREATMENT	SY	118	15	15	148
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		1,980	1,980	3,960
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	11,490	1,590	1,600	14,680
513.4061	RAILING TUBULAR TYPE M	LF	74			74
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		5	5	10
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		240	240	480
606.0300	RIPRAP HEAVY	CY		65	70	135
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		71	71	142
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		29	29	58
645.0120	GEOTEXTILE TYPE HR	SY		145	150	295
506.0105	STRUCTURAL STEEL CARBON	LB	475			475
526.0100	TEMPORARY STRUCTURE 102+25	LS				1
SPV.0090.01	FLASHING STAINLESS STEEL	LF	59			59
	NON-BID ITEMS					
	FILLER	SIZE				1/2", 3/4"

L 3 ½" X 2 ½" X ½" X 24'-0" LONG X 4" LONG ANCHOR STUDS, WELD FIELD CUT 3 ½" LEG ANGLE AS REQ'D FOR BENDING. ANGLE TO CONFORM TO ROADWAY CROWN. ONE CUT SHALL BE AT CROWN.

PROTECTION ANGLE ARMOR

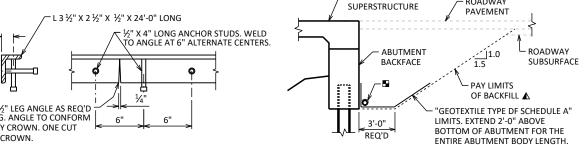
SANDBLAST PROTECTION ANGLE AFTER FABRICATION PER NOTES. AFTER BLAST CLEANING, THE PROTECTION ANGLE SHALL BE HOT DIPPED GALVANIZED.

TYPICAL SECTION THRU ABUTMENT

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE

- ROADWAY

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



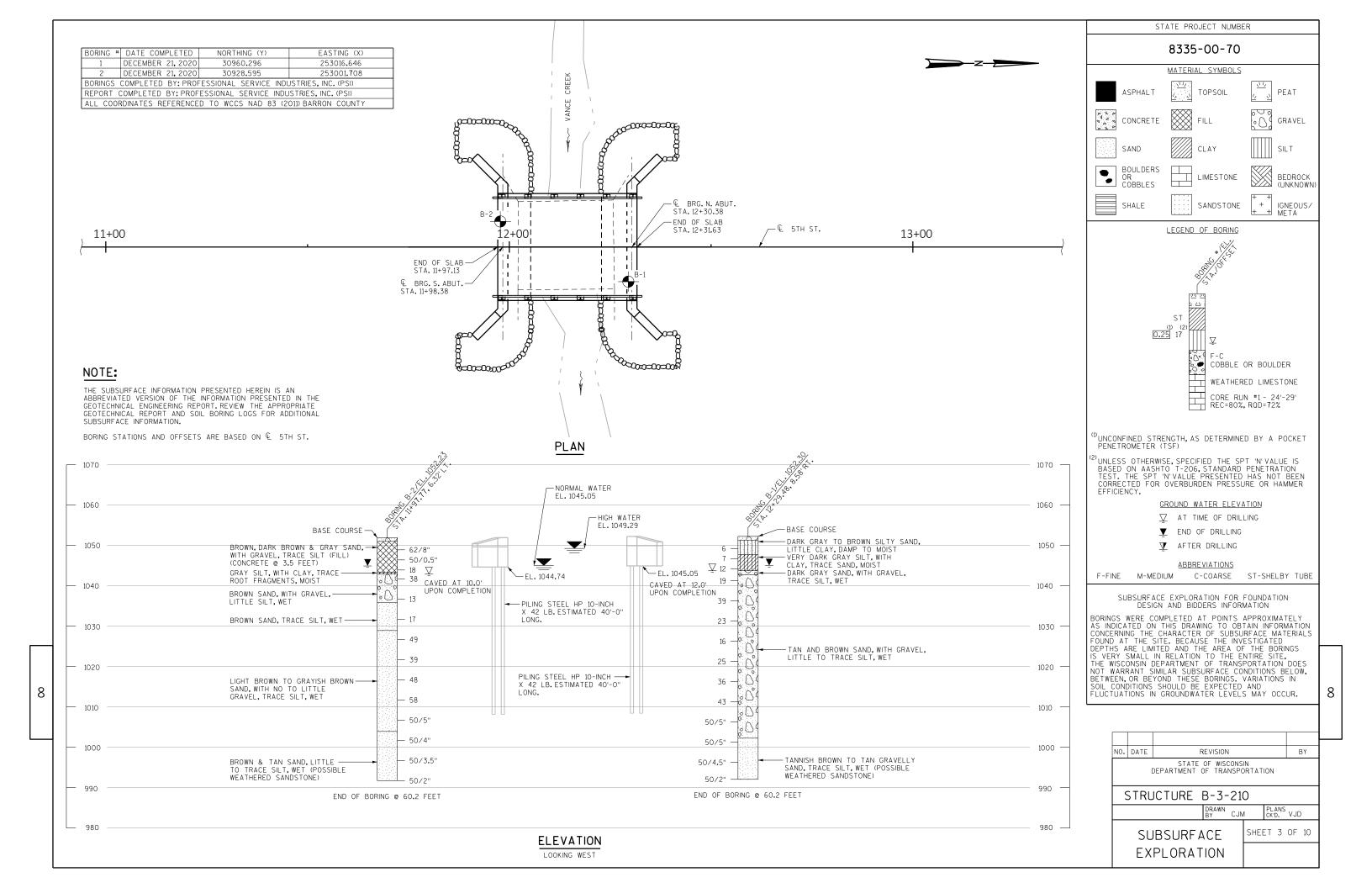
PROTECTIVE SURFACE

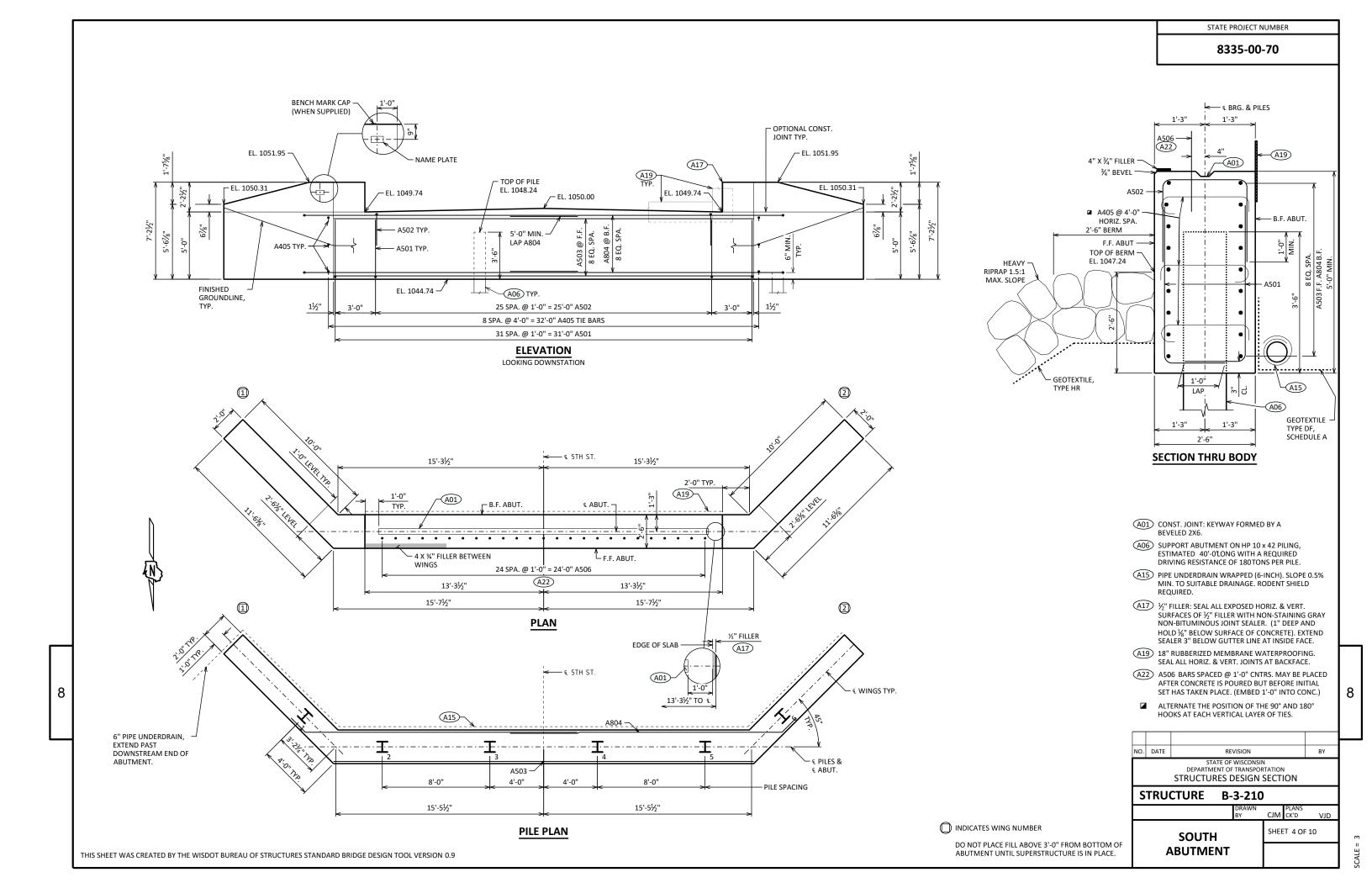
TREATMENT DETAILS

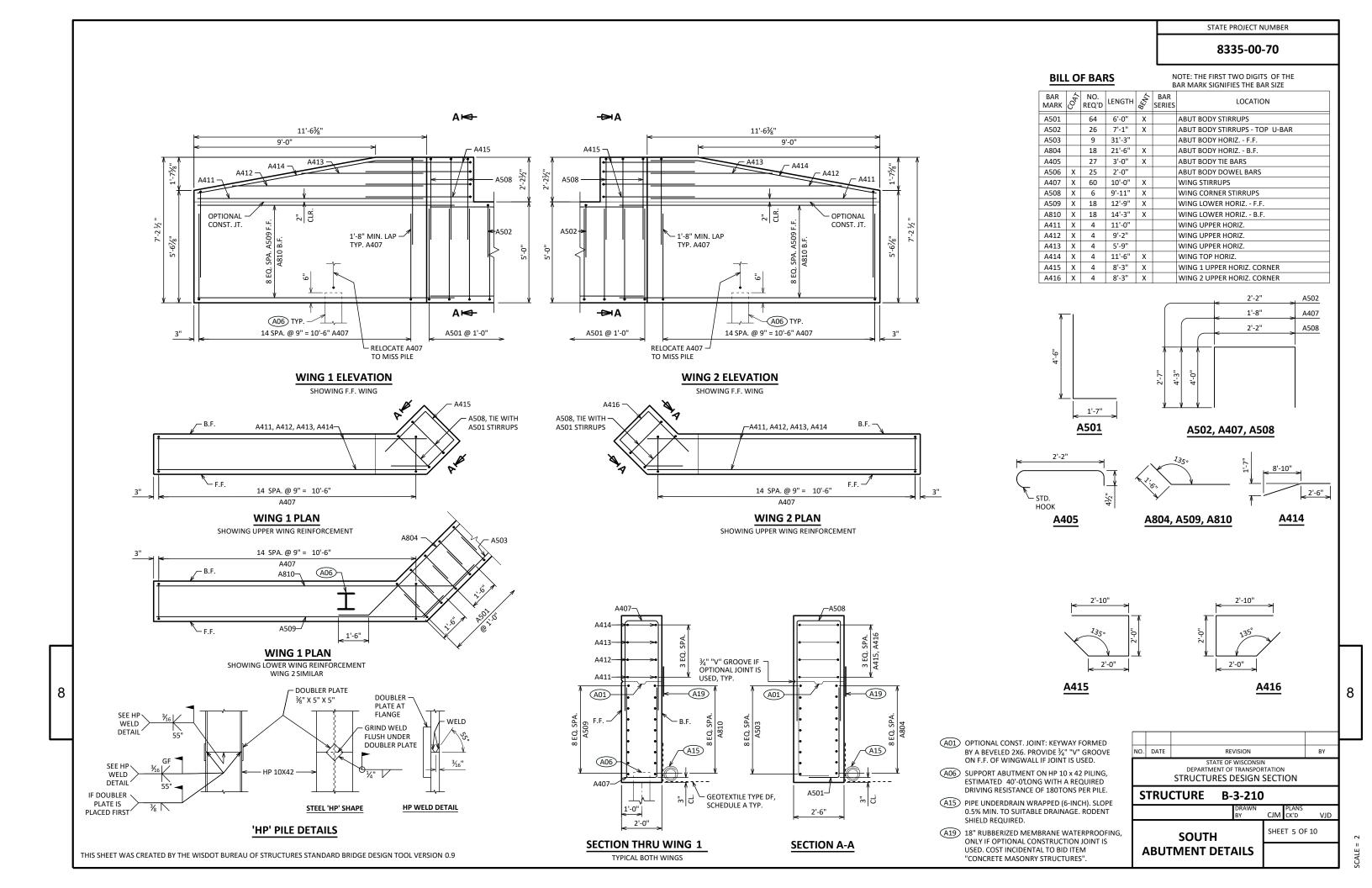
PROTECTIVE SURFACE TREATMENT LIMITS

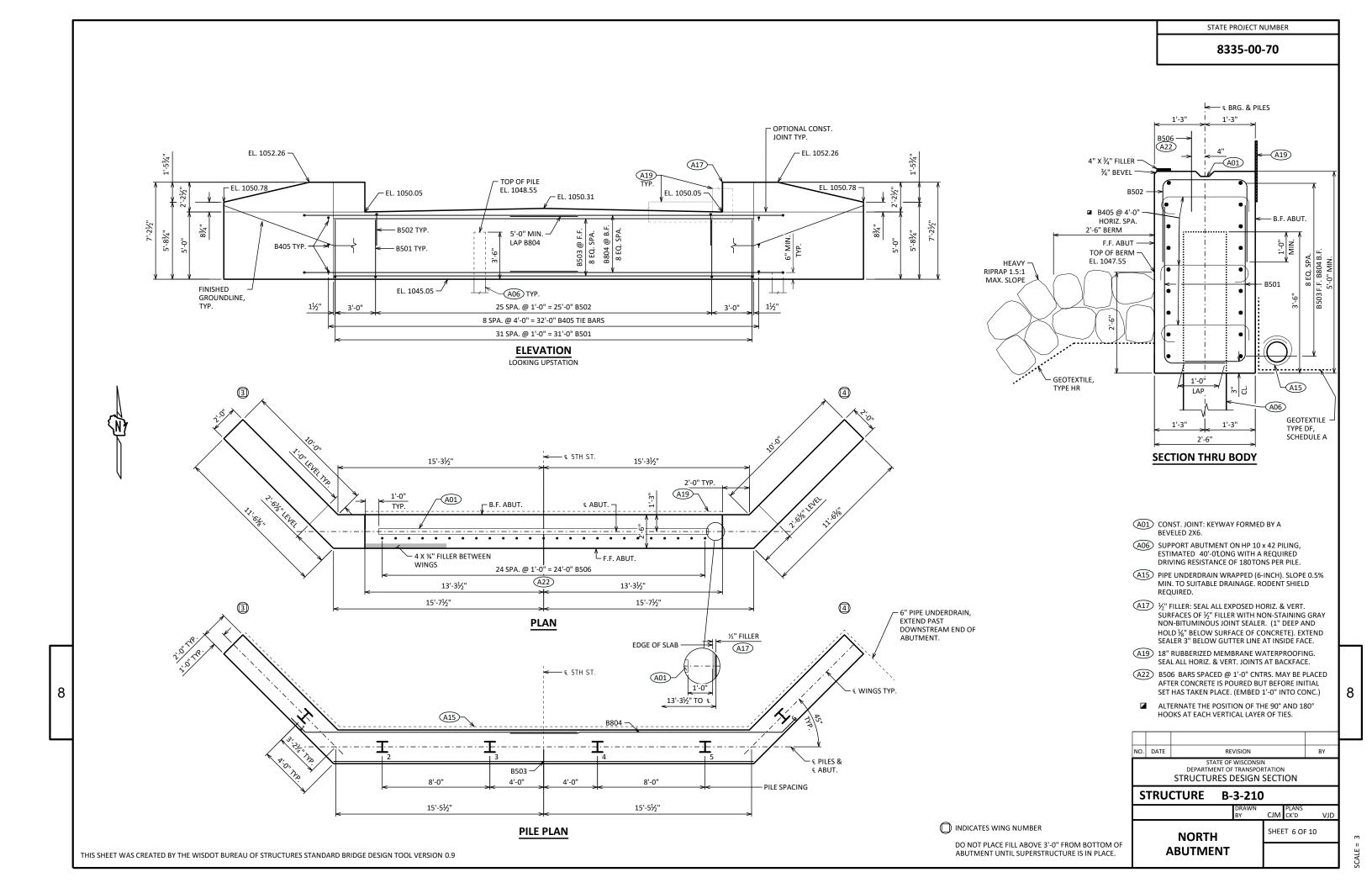
DETERMINED BY THE CONTRACTOR.

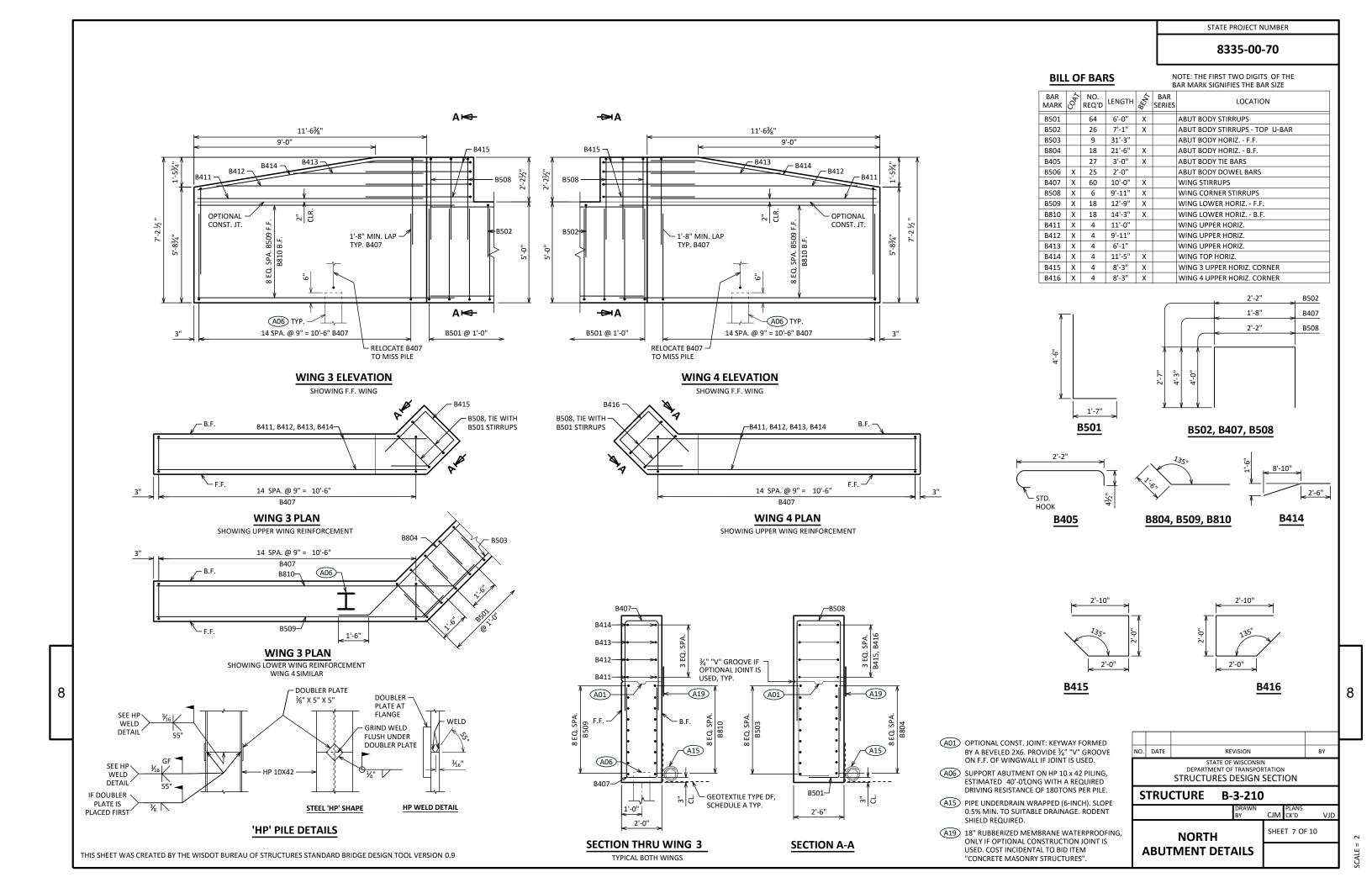
THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9

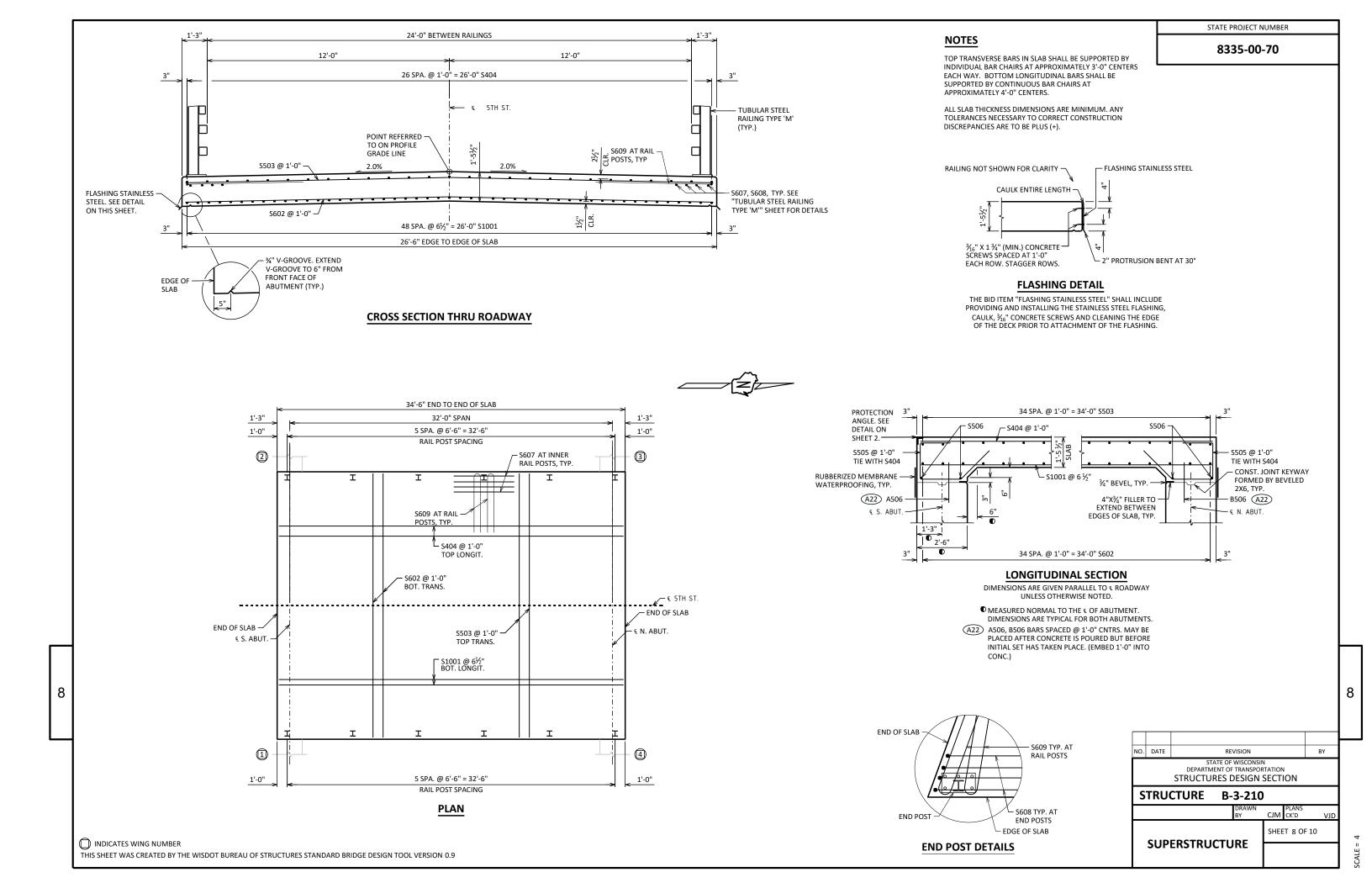


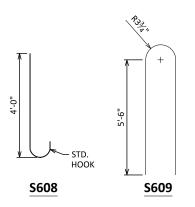












S505

CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT. PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

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

TOP OF SLAB ELEVATION AT FINAL GRADE SLAB THICKNESS

PLUS

8

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

<--- CAMBER

— SLAB THICKNESS

TOP OF SLAB ELEVATIONS

	€ BRG. S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	€ BRG. N. ABUT.
W. EDGE OF DECK	1051.95	1051.98	1052.01	1052.04	1052.07	1052.10	1052.13	1052.16	1052.19	1052.22	1052.26
€ OF 5TH ST.	1052.21	1052.24	1052.27	1052.31	1052.34	1052.37	1052.40	1052.43	1052.46	1052.49	1052.52
E. EDGE OF DECK	1051.95	1051.98	1052.01	1052.04	1052.07	1052.10	1052.13	1052.16	1052.19	1052.22	1052.26

SURVEY TOP OF SLAB ELEVATIONS

	S. ABUTMENT	<u>5/10 PT.</u>	N. ABUTMENT
W. EDGE OF DECK			
€ 5TH ST.			
E. EDGE OF DECK			

PRIOR TO RELEASING SLAB FORMWORK, TAKE TOP OF DECK ELEVATIONS AT THE € OF ABUTMENTS, € OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN OR €. RECORD ELEVATIONS IN THE TABLE ABOVE FOR THE "AS BUILT" PLANS.

NO.		В	,					
	I ION							
S	TRU	CTURE	B-	3-210)			
				DRAWN BY	СЈМ	PLANS CK'D		VJD

STATE PROJECT NUMBER

8335-00-70

NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

SLAB BOTTOM LONGITUDINAL

ABUTMENT DIAPHRAGM STIRRUPS

ABUTMENT DIAPHRAGM LONGITUDINAL

SLAB TOP LONGIT. UNDER RAIL END POSTS SLAB TOP HOOKS UNDER RAIL POSTS

SLAB TOP LONGIT. UNDER RAIL POSTS

SLAB BOTTOM TRANSVERSE

SLAB TOP TRANSVERSE

SLAB TOP LONGITUDINAL

BILL OF BARS

S1001 X 49 34'-2"

S602 X 35 26'-2"

S503 X 35 26'-2"

S404 X 27 34'-2"

S506 X 4 26'-2"

S607 X 32 6'-0"

S505 X 54 7'-1" X

S608 X 16 4'-8" X

S609 X 24 12'-0" X

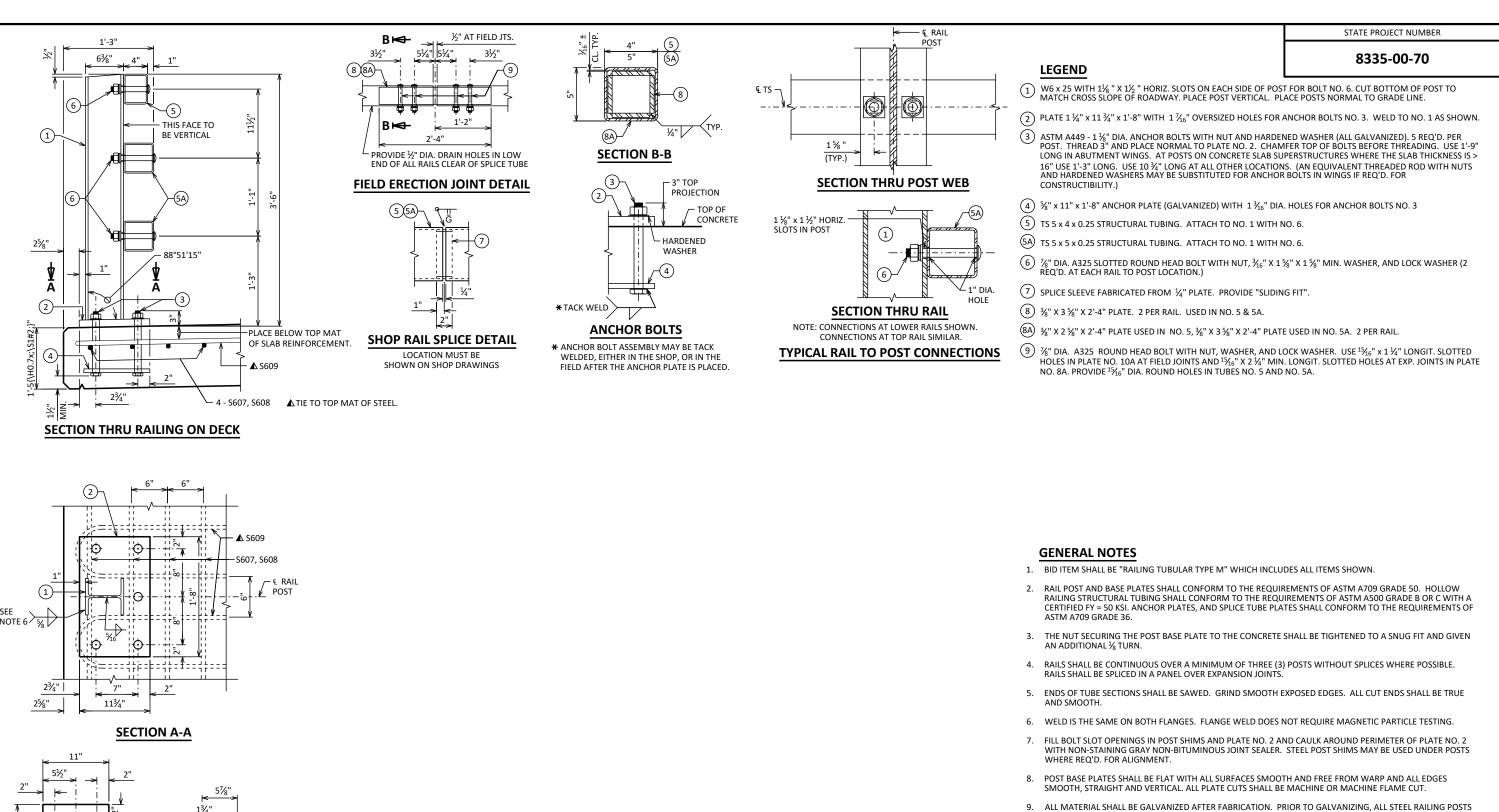
BAR NO. LENGTH & BAR SERIES

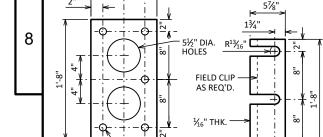
SUPERSTRUCTURE DETAILS

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9

SHEET 9 OF 10

8





1 3/6" DIA. HOLES FOR

11/8" DIA. ANCHOR BOLTS

POST SHIM

DETAIL

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 0.9

ANCHOR PLATE
AT RAIL TO DECK CONNECTION

SEE POST SPA.
SUPERSTRUCTURE SHEET

TYP.

GF

PART ELEVATION OF RAILING

& STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-3-210

DRAWN
BY

CJM PLANS
CK'D VJD

SHEET 10 OF 10

RAILING TYPE 'M'

CALE =

			Т	EMPORARY	BYPASS				
CTATION	DISTANCE	AREA	A (SF)		AL VOL (CY) JUSTED)	CUMULATIVE VOL (CY)			
STATION	DISTANCE	CUT	FILL	СИТ	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE	
100+50	0.00	0.08	2.57	0	0	0	0	0	
101+00	50.00	0.01	33.30	0	33	0	43	-43	
101+50	50.00	0.00	32.85	0	61	0	122	-122	
102+00	50.00	0.00	91.30	0	115	0	272	-272	
102+09	8.47	0.00	90.27	0	28	0	308	-308	
	Y STRUCTUR								
102+42	0.00	0.00	91.42	0	0	0	308	-308	
102+50	7.38	0.00	81.95	0	24	0	339	-339	
103+00	50.00	0.00	95.90	0	165	0	554	-554	
103+50	50.00	0.00	89.89	0	172	0	777	-777	
104+00	50.00	0.00	5.56	0	88	0	892	-892	
	<u> </u>		TEMPO		S REMOVAL				
STATION	DISTANCE	AREA	A (SF)		TAL VOL (CY) IUSTED)		CUMULATIVE V	OL (CY)	
STATION	DISTANCE	CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE	
100+50	0.00	4.04	0.00	0	0	0	0	0	
101+00	50.00	46.38	0.00	47	0	47	0	47	
101+50	50.00	45.93	0.00	85	0	132	0	132	
102+00	50.00	99.99	0.00	135	0	267	0	267	
102+09	8.47	98.96	0.00	31	0	298	0	298	
	Y STRUCTUR			_	_		_		
102+43	0.00	139.25	0.00	0	0	298	0	298	
102+50	7.38	90.64	0.00	31	0	329	0	329	
103+00	50.00	108.98	0.00	185	0	514	0	514	
103+50	50.00	102.97	0.00	196	0	710	0	710	
104+00	50.00	7.11	0.00	102	0	812	0	812	
				5TH STRE	ET				
CTATION	DISTANCE	AREA	A (SF)		TAL VOL (CY) JUSTED)		CUMULATIVE V	OL (CY)	
STATION	DISTANCE	CUT	FILL	СИТ	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE	
11+46.991	0.00	33.88	0.00	0	0	0	0	0	
11+50	3.01	30.95	0.00	4	0	4	0	4	
11+75	25.00	27.17	8.39	27	4	31	5	26	
11+91	15.77	30.10	21.06	17	9	48	17	31	
BRIDGE GA		30.10	21.00	Τ/	J	40	Τ/	ΣŢ	
		26.02	10.24	0	0	40	17	21	
12+38	0.00	26.92	10.24	0		48	17	31	
12+50	12.00	27.21	6.75	12	4	60	22	38	
12+75	25.00	28.47	2.97	26	4	86	27	59	
12+82	7.00	29.79	2.04	8	1	94	29	65	

9

PROJECT NO: 8335-00-70 HWY: 5TH STREET COUNTY: BARRON EARTHWORK DATA SHEET **E**

FILE NAME: X:\PROJECTS\BARRON\8335-00-00_ 5TH ST AND HALF AVE_VANCE CREEK BRIDGE\DESIGN\C3D\SHEETSPLAN\090101-EW.DWG LAYOUT NAME - 01

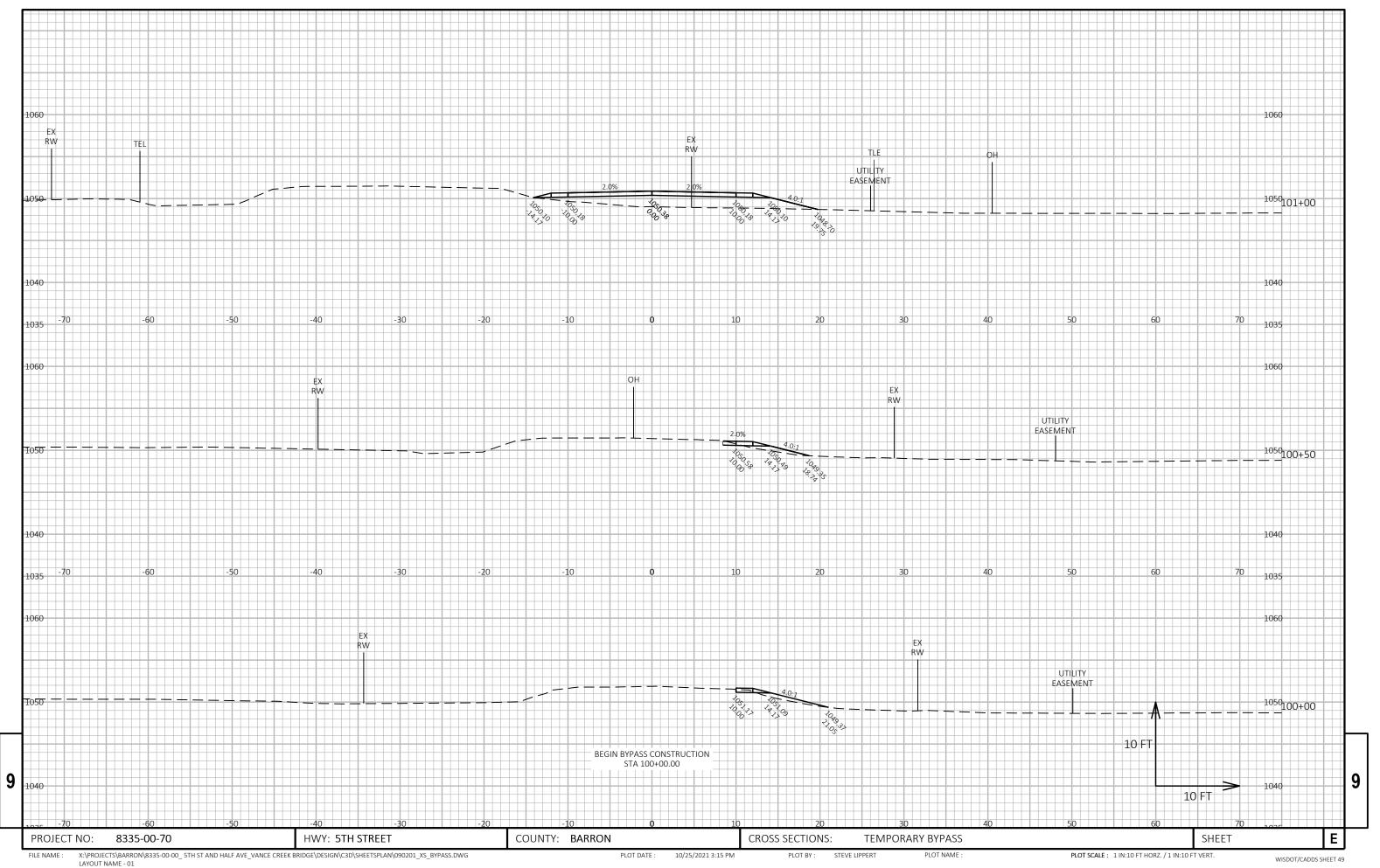
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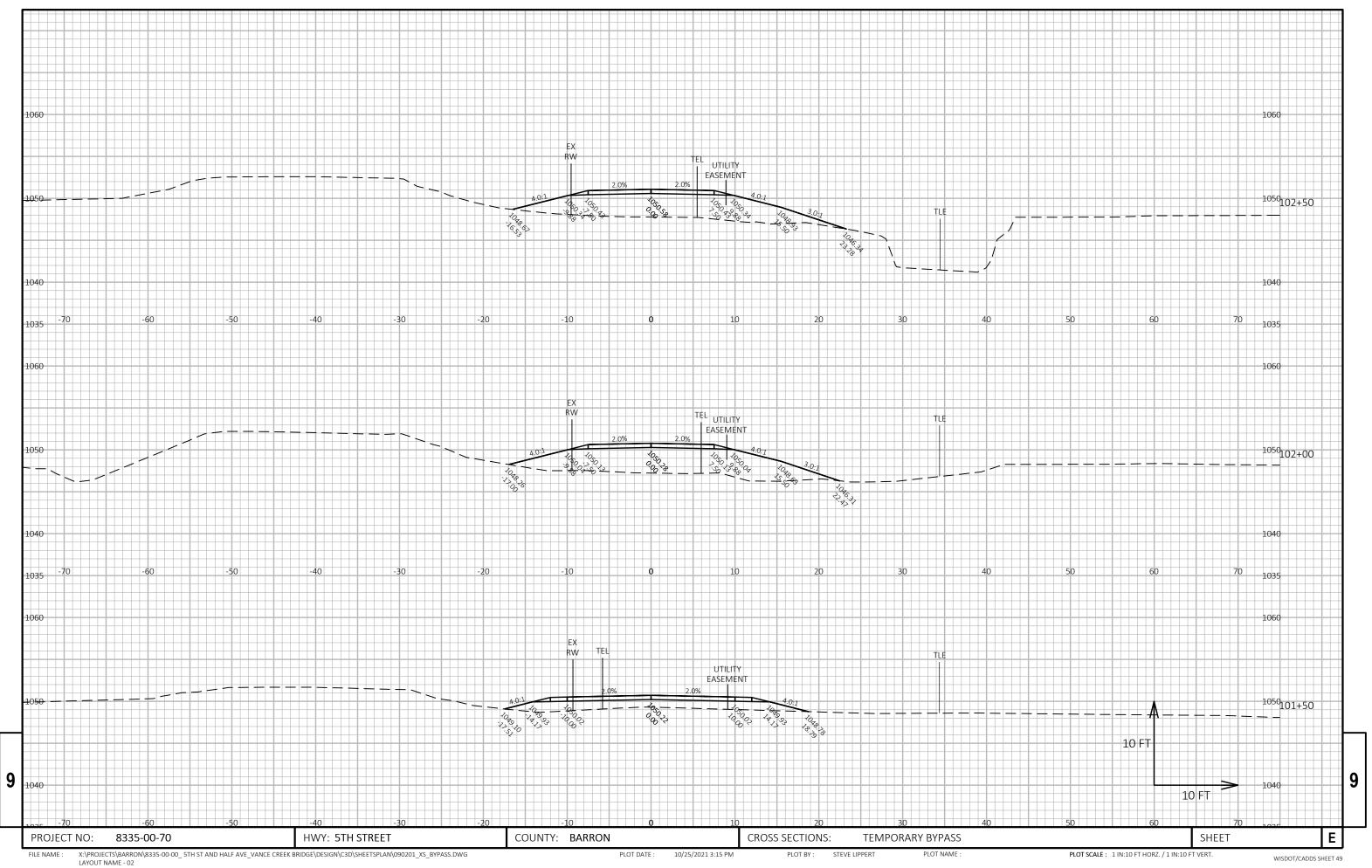
PLOT BY: STEVE LIPPERT

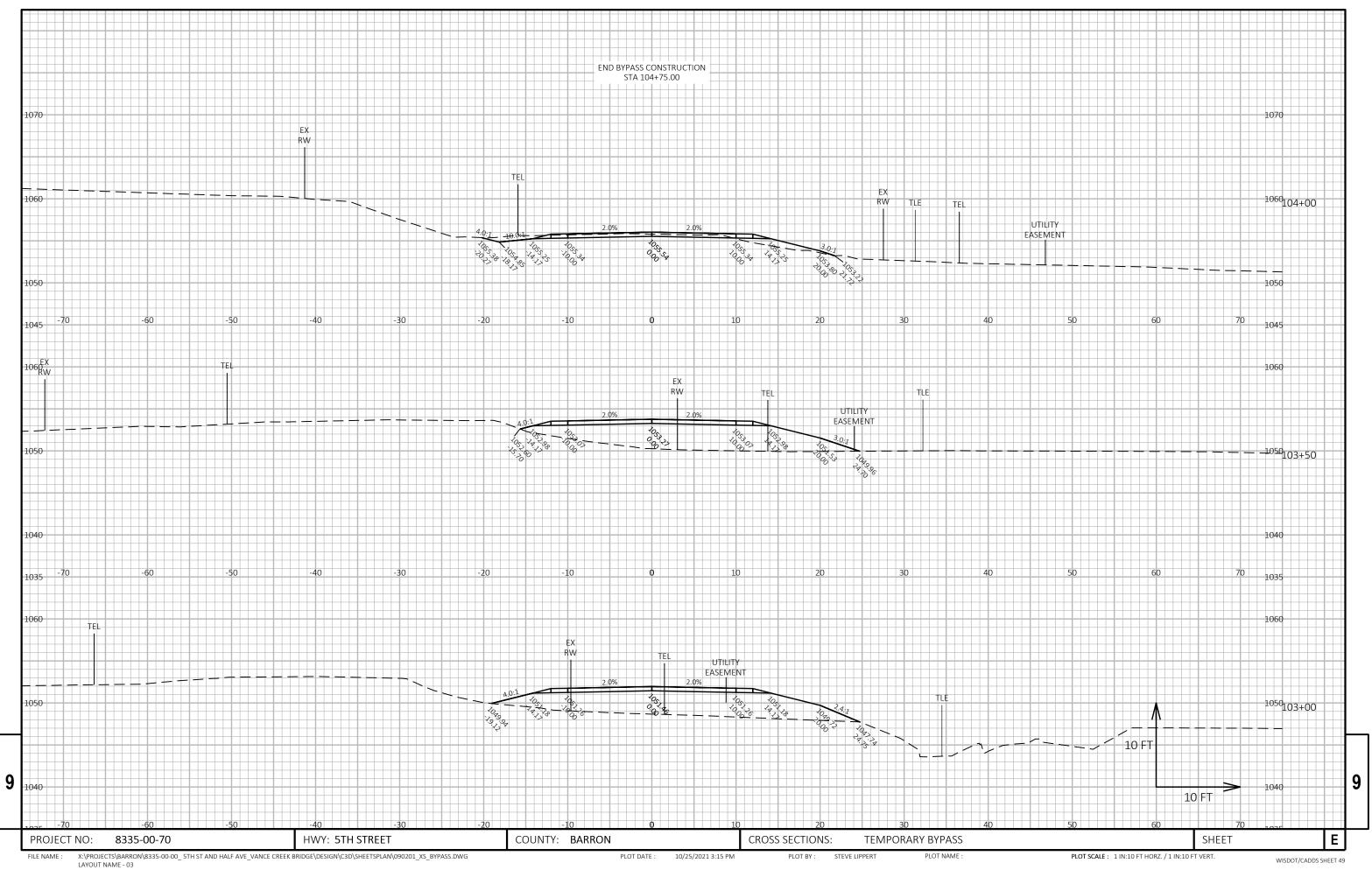
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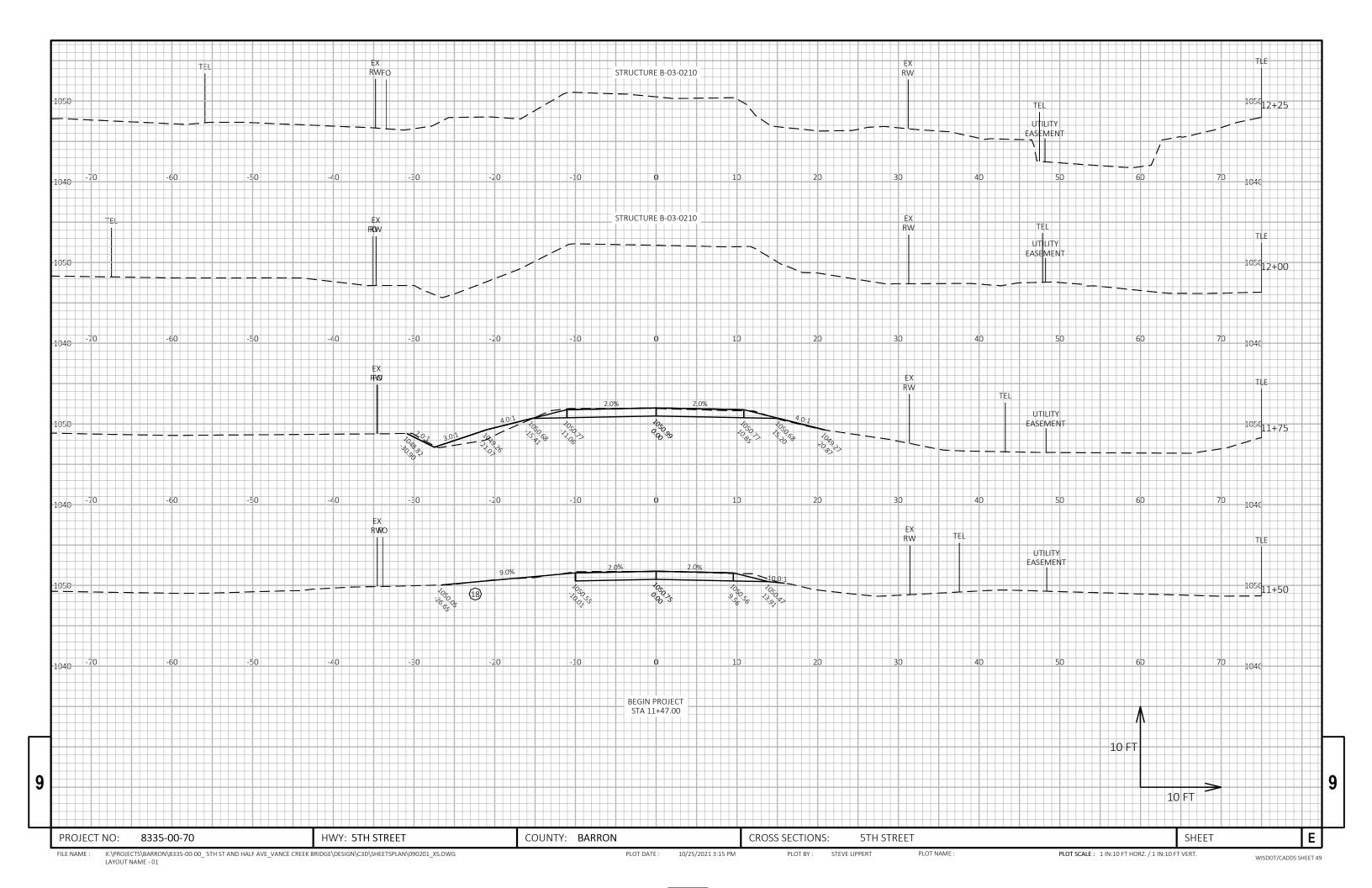
PLOT SCALE : 1" = 1'

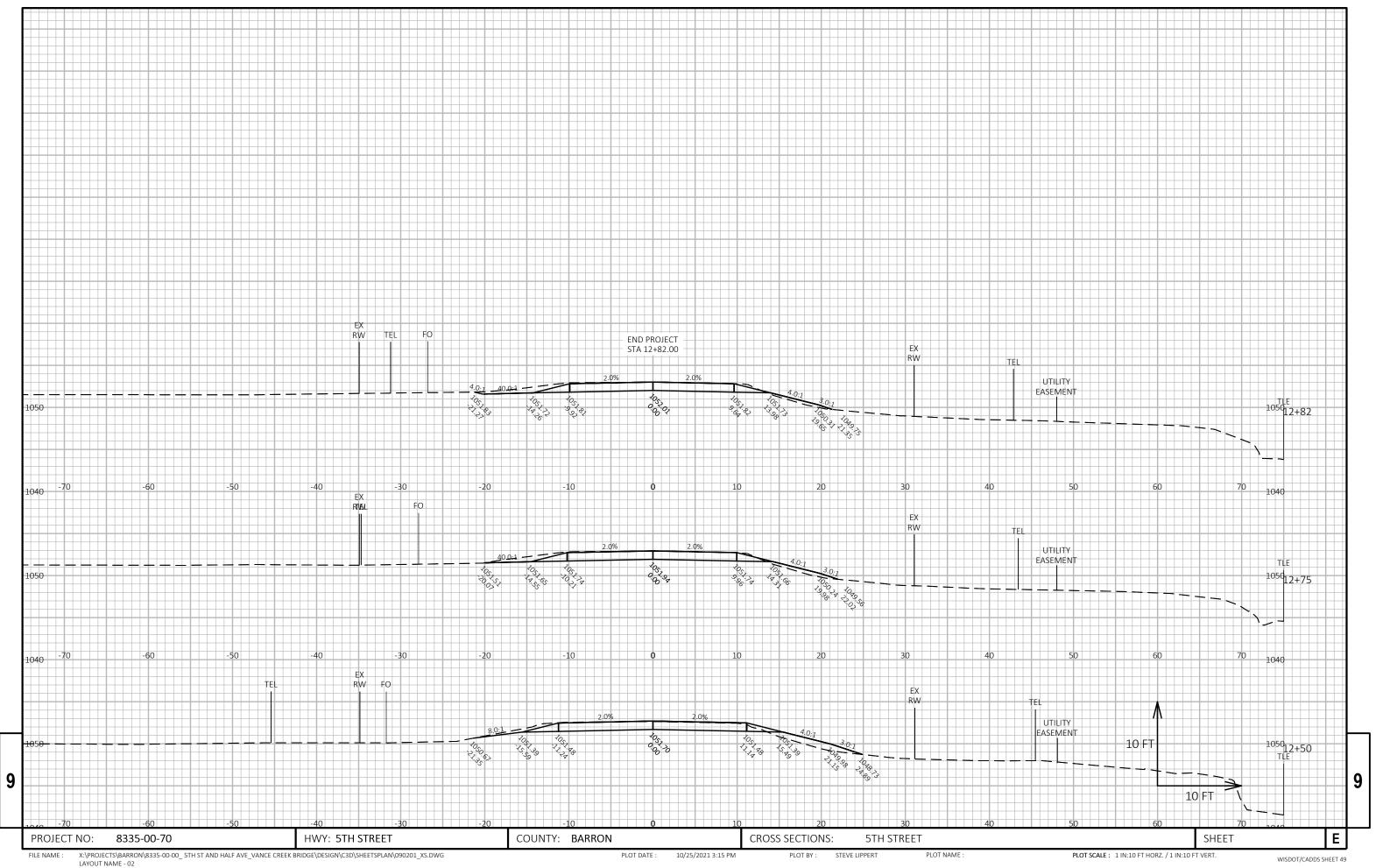
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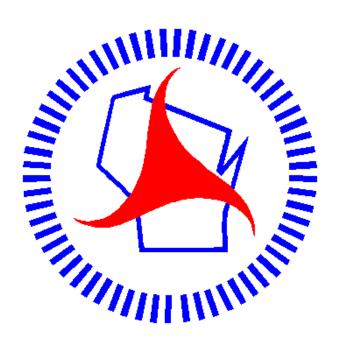








Notes



Wisconsin Department of Transportation

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