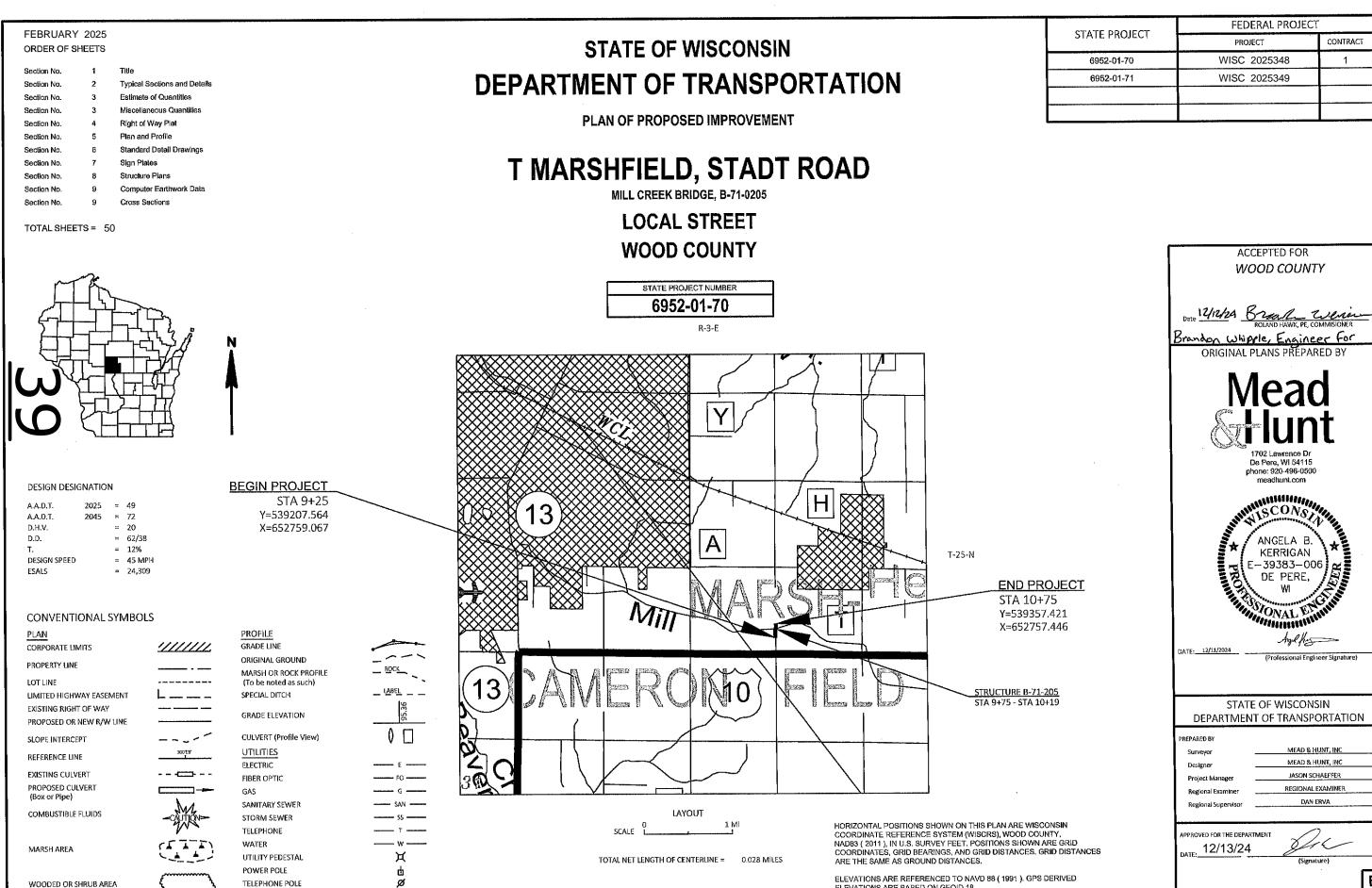
FILE NAME: X:\2314800\231483.01\TECH\CAD\69520100\SHEETSPLAN\010101_TI.DWG



12/11/2024 2:18 PM

ELEVATIONS ARE BASED ON GEOID 18

UTILITIES CONTACTS

TDS TELECOM - VESPER

VESPER, WI 54489

P.O. BOX 125

COMMUNICATION LINE

KEVIN SCHEUNEMANN

PHONE: 715-569-4824

MARSHFIELD UTILITIES ELECTRIC KAMREN SEEFLUTH

2000 S CENTRAL MARSHFIELD, WI 54449 PHONE: 715-898-2143

EMAIL: KEVIN.SCHEUNEMANN@TDSTELECOM.COM EMAIL: KAMREN.SEEFLUTH@MARSHFIELDUTILITIES.ORG

SPECTRUM/ASTREA COMMUNICATIONS **BRAD WEBER** 105 KENT STREET

IRON MOUNTAIN, MI 49801 PHONE: 906-282-3819

EMAIL: ASTREACONSTRUCTION@ASTREACONNECT.COM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS **EROSION CONTROL** TRAFFIC CONTROL

WISDOT PROJECT MANAGER

JASON SCHAEFFER WISDOT NORTH CENTRAL REGION OFFICE 1681 SECOND AVE SOUTH WISCONSIN RAPIDS, WI 54495 PHONE: 715-421-7309 EMAIL: JASON.SCHAEFFER@DOT.WI.GOV

COUNTY HIGHWAY COMMISSIONER

ROLAND HAWK, PE WOOD COUNTY 555 17TH AVE N WISCONSIN RAPIDS, WI 54495 PHONE: 715-421-8875

EMAIL: ROLAND.HAWK@WOODCOUNTYWI.GOV

DESIGN CONSULTANT



MEAD & HUNT, INC. 1702 LAWRENCE DR DE PERE, WI 54115 ATTN: ANGELA KERRIGAN, P.E. PHONE: 920-593-6840 EMAIL: ANGIE.KERRIGAN@MEADHUNT.COM

WISCONSIN DNR LIAISON

BRAD BETTHAUSER WDNR WEST CENTRAL REGION 910 STH 54 BLACK RIVER FALLS, WI 54615 PHONE: 715-213-9064 EMAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

TOWN OF MARSHFIELD

ALLEN BREU TOWN CHAIRPERSON 11075 STADT ROAD MARSHFIELD, WI 54449 PHONE: 715-387-4222

EMAIL: TOWNCHAIRPERSON@TOWNOFMARSHFIELDWI.GOV

GENERAL NOTES

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

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

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

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH, PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

THE VERTICAL SAWCUT SHALL BE MADE THROUGH THE EXISTING PAVEMENT AT REMOVAL LIMITS.

SAWCUTS. AS SHOWN ON THE PLANS. ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

BEARINGS SHOWN ON THE PLAN ARE GROUND BEARINGS TO THE NEAREST SECOND

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

RUNOFF COEFFICIENT TABLE

					ŀ	HYDROLOGIC	SOIL G	ROUP				
		А			В			С		D		
	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
DOW CDODC.	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
ROW CROPS:	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
IVIEDIAN STRIPTORF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
CIDE CLODETLIDE.			.25			.27			.28			.30
SIDE SLOPETURF:			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:						.70	95					
CONCRETE:						.80	95					
BRICK:						.70 -	80					
DRIVES, WALKS:						.75 -	85					
ROOFS:						.75	95					
GRAVEL ROADS, SHOULDERS:						.40 -	60					

HWY: LOCAL STREET

TOTAL PROJECT AREA = <u>0.346</u> ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.274 ACRES



COUNTY: WOOD **GENERAL NOTES**

X:\2314800\231483.01\TECH\CAD\69520100\SHEETSPLAN\020101-GN.DWG FILE NAME :

6952-01-70

PROJECT NO:

PLOT DATE:

12/12/2024 9:35 AM

PLOT BY:

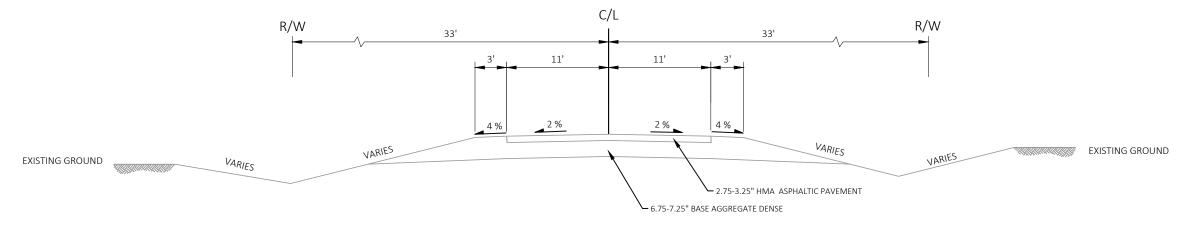
ANGIE KERRIGAN

PLOT NAME

PLOT SCALE:

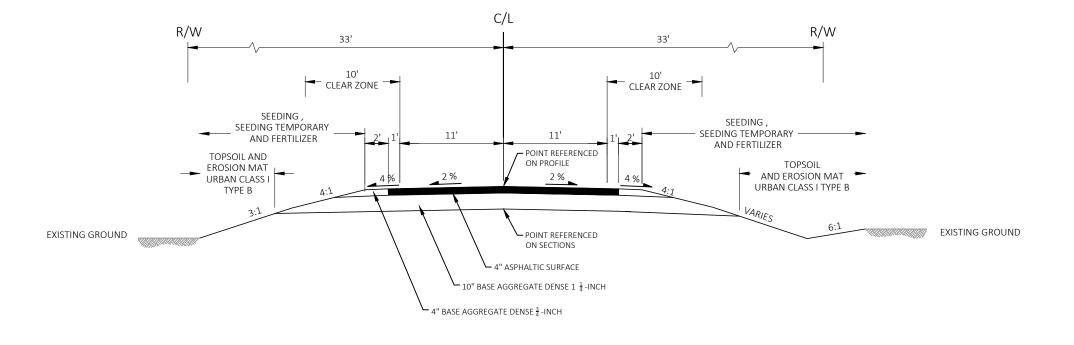
SHEET





EXISTING TYPICAL SECTION

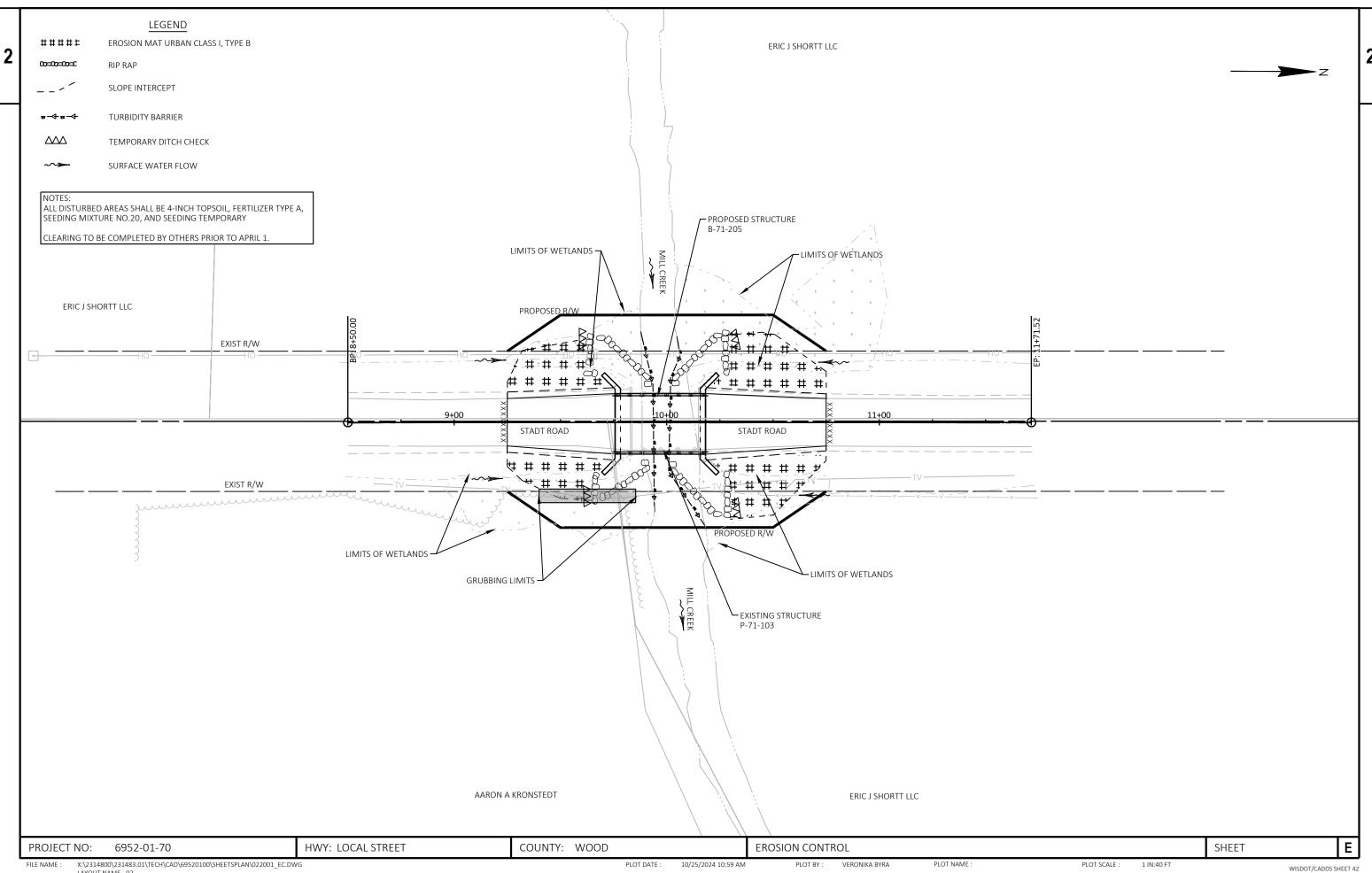
STA 9+25 - 9+82.79 STA 10+15.75 - 10+75



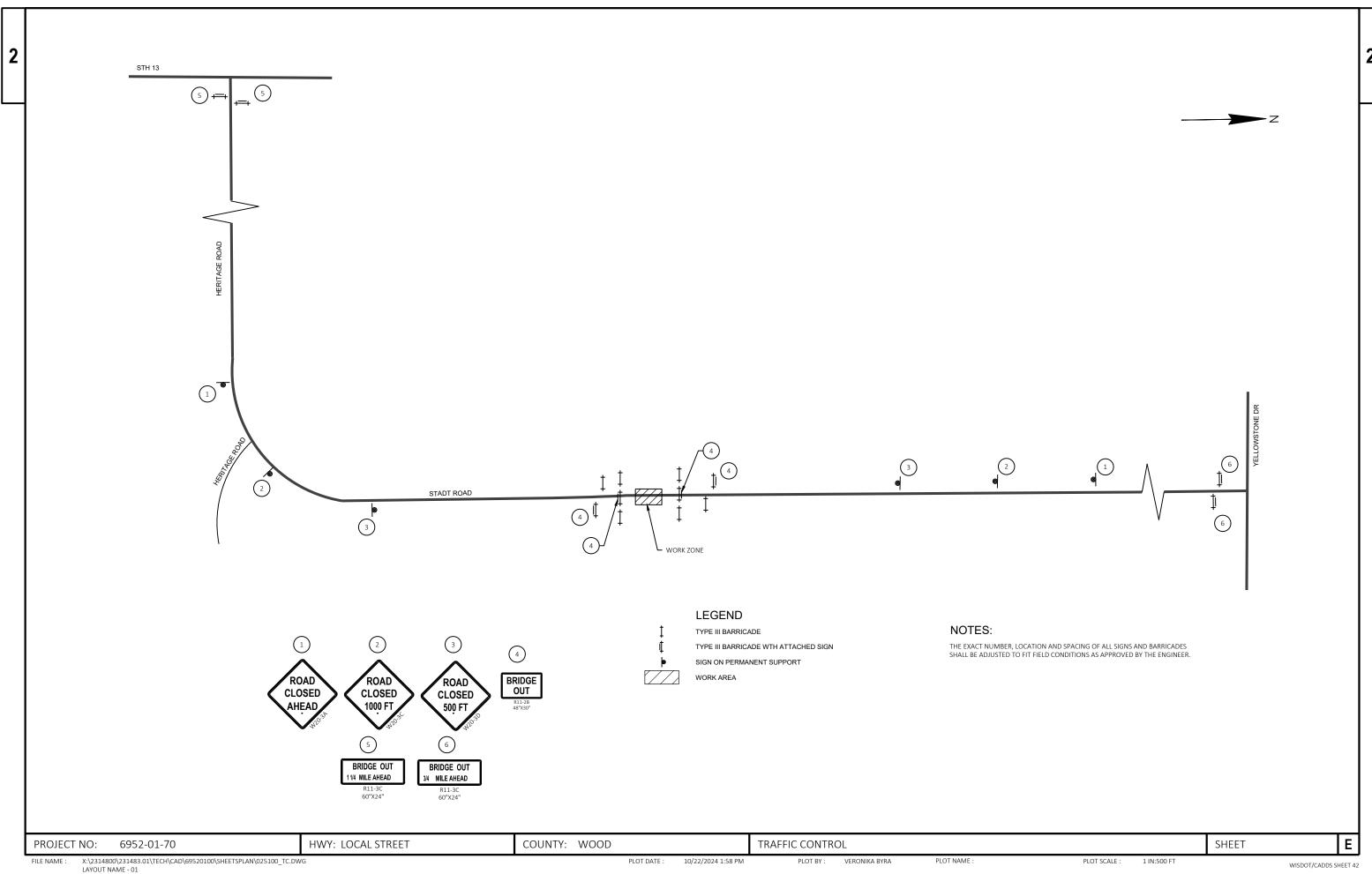
FINISHED TYPICAL SECTION

STA 9+25 - 9+75.75 STA 10+18.25 - 10+75

Ε PROJECT NO: 6952-01-70 HWY: LOCAL STREET COUNTY: WOOD TYPICAL SECTIONS SHEET X:\2314800\231483.01\TECH\CAD\69520100\SHEETSPLAN\020301-TS.DWG PLOT NAME :



PLOT SCALE :



6952-	Λ1	1 7	$^{\circ}$

					6952-01-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0205	Grubbing	STA	1.000	1.000	
0004	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-71-0103	EACH	1.000	1.000	
8000	205.0100	Excavation Common	CY	119.000	119.000	
0010	205.0505.S	Excavation, Hauling, and Disposal of Creosote Contaminated Soil and Management of Contaminated Groundwater	TON	195.000	195.000	
0012	206.1001	Excavation for Structures Bridges (structure) 01. B-71-0205	EACH	1.000	1.000	
0016	208.0100	Borrow	CY	275.000	275.000	
0018	210.1500	Backfill Structure Type A	TON	374.000	374.000	
0020	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 6952-01-70	EACH	1.000	1.000	
0024	213.0100	Finishing Roadway (project) 01. 6952-01-70	EACH	1.000	1.000	
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	16.000	16.000	
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	252.000	252.000	
0032	455.0605	Tack Coat	GAL	21.000	21.000	
0034	465.0105	Asphaltic Surface	TON	70.000	70.000	
0036	502.0100	Concrete Masonry Bridges	CY	143.000	143.000	
0038	502.3200	Protective Surface Treatment	SY	191.000	191.000	
0040	505.0400	Bar Steel Reinforcement HS Structures	LB	4,300.000	4,300.000	
0042	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	20,090.000	20,090.000	
0044	513.4061	Railing Tubular Type M	LF	90.000	90.000	
0046	516.0500	Rubberized Membrane Waterproofing	SY	12.000	12.000	
0048	550.0020	Pre-Boring Rock or Consolidated Materials	LF	253.000	253.000	
0050	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	301.000	301.000	
0052	606.0300	Riprap Heavy	CY	184.000	184.000	
0054	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	142.000	142.000	
0056	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6952-01-70	EACH	1.000	1.000	
0060	619.1000	Mobilization	EACH	0.530	0.530	
0062	624.0100	Water	MGAL	2.000	2.000	
0064	625.0100	Topsoil	SY	430.000	430.000	
0070	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0072	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0074	628.2008	Erosion Mat Urban Class I Type B	SY	430.000	430.000	
0076	628.6005	Turbidity Barriers	SY	265.000	265.000	
0078	628.7504	Temporary Ditch Checks	LF	20.000	20.000	
0800	629.0205	Fertilizer Type A	CWT	0.400	0.400	
0082	630.0120	Seeding Mixture No. 20	LB	13.000	13.000	
0084	630.0200	Seeding Temporary	LB	13.000	13.000	
0086	630.0500	Seed Water	MGAL	10.000	10.000	
8800	633.0100	Delineator Posts Steel	EACH	8.000	8.000	
0090	633.5100	Markers ROW	EACH	8.000	8.000	
0092	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000	
0094	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0096	638.2602	Removing Signs Type II	EACH	4.000	4.000	
0098	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0100	642.5001	Field Office Type B	EACH	0.530	0.530	
0102	643.0420	Traffic Control Barricades Type III	DAY	854.000	854.000	
0104	643.0705	Traffic Control Warning Lights Type A	DAY	976.000	976.000	
0106	643.0900	Traffic Control Signs	DAY	854.000	854.000	
0108	643.5000	Traffic Control	EACH	0.530	0.530	
0110	645.0111	Geotextile Type DF Schedule A	SY	88.000	88.000	

Estimate Of Quantities By Plan Sets

6952-01-70

Page 2

Line	Item	Item Description	Unit	Total	Qty
0112	645.0120	Geotextile Type HR	SY	386.000	386.000
0114	650.4500	Construction Staking Subgrade	LF	108.000	108.000
0116	650.5000	Construction Staking Base	LF	108.000	108.000
0118	650.6501	Construction Staking Structure Layout (structure) 01. B-71-0205	EACH	1.000	1.000
0122	650.9911	Construction Staking Supplemental Control (project) 01. 6952-01-70	EACH	1.000	1.000
0126	650.9920	Construction Staking Slope Stakes	LF	108.000	108.000
0128	690.0150	Sawing Asphalt	LF	44.000	44.000
0130	715.0502	Incentive Strength Concrete Structures	DOL	420.000	420.000
0132	999.2005.S	Maintaining Bird Deterrent System (station) 01. 10+00	EACH	1.000	1.000
0136	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	150.000	150.000
0138	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	208.0100 BORROW
A A A A A A A A A A A A A A A A A A A	0.05.40.75	CTARTER	440	40	7.0	201	101	275	275
MAINLINE	9+25 - 10+75	STADT RD	119	43	76	281	184	-275	275
	TOTAL COMMON	N EXCAVATION	119					TOTAL =	275

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (3) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (4) AVAILABLE MATERIAL = CUT SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- (5) EXPANDED FILL FACTOR = 1.25
- (6) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

<u>GRUBBING</u>

BASE AGGREGATE DENSE

				201.0205					305.0110 3/4-INCH	305.0120 1 1/4-INCH	624.0100 WATER
STATION	TO	STATION	LOCATION	STA	 STATION	TO	STATION	LOCATION	TON	TON	MGAL
9+40	-	10+85	STADT RD, RT	1	9+25 10+18	-	9+76 10+75	STADT RD, LT & RT STADT RD, LT & RT	8	123 129	1
			TOTAL 0010	1	10+16	-	10+73	STADIND, LI & NI	٥	129	1
								TOTAL 0010	16	252	2

ASPHALTIC SURFACE LANDSCAPING

				455.0605 TACK	465.0105					625.0100	628.2008 EROSION MAT	629.0205	630.0120	630.0200	630.0500
STATION	TO	STATION	LOCATION	GAL	TON					TORGOU	URBAN CLASS I	FERTILIZER	SEEDING	SEEDING	CEED WATER
0.05		0.75	CTARTER COUTU	4.0	2.4	STATION	TO	STATION	LOCATION	TOPSOIL SY	TYPE B SY	TYPE A CWT	MIXTURE NO. 20 LB	TEMPORARY LB	SEED WATER MGAL
9+25 10+18	-	9+76 10+75	STADT RD, SOUTH STADT RD, NORTH	10 11	34 36										_
10+18	-	10+/3	STADT ND, NONTH	11	36	9+25	-	9+76	STADT RD, LT & RT	180	180	0.2	6	6	4
			TOTAL 0010	21	70	10+18	-	10+75	STADT RD, LT & RT	250	250	0.2	7	7	6
									TOTAL 0010	430	430	0.4	13	13	10

PROJECT NO: 6952-01-70	HWY: LOCAL STREET	COUNTY: WOOD		MISCELLANEOUS	S QUANTITIES				SHEET		Ε
FILE NAME: X:\2314800\231483.01\TECH\CAD\69520100\SHEETSPLAN\030201	-MQ.DWG	PLOT DATE :	10/25/2024 11:05 AM	PLOT BY :	VERONIKA BYRA	PLOT NAME :	PLOT SCALE :	1" = 1'		WISDOT/CADDS SH	HEET 42

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				MOBILIZATIO	NS EROSION CONTE	ROL							<u>SIGNI</u>	NG_			
			ı	LOCATION	628.1905 EACH	628.1910 EMERGENCY EACH						634.0614 POSTS WOOD 4X6- INCH X 14-FT	637.2230 SIGNS TYPE II REFLECTIVE F	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS		
							,			STATION	LOCATION STADT RD, LT	EACH 1	SF 3	EACH	EACH		ARKS
			S	TADT ROAD	5	2				9+73 9+73	STADT RD, RT	1 1	3	-	-		-52L -52R
			TC	OTAL 0010	5	2	ı			9+82	STADT RD, LT	-	-	1	1	EX W	5-52L
			10	71AL 0010	3	2				9+82	STADT RD, RT	=	=	1	1		5-52R
										10+16 10+16	STADT RD, LT STADT RD, RT	-	-	1	1		5-52L 5-52R
										10+20	STADT RD, LT	1	3	-	-	W5	
				<u>TURBI</u>	IDITY BARRIERS					10+20	STADT RD, RT	1	3	-	-	W5	-52R
											TOTAL 0010	4	12	4	4		
						628.600	5										
			STATIO	N	LOCATION	SY											
			9+93		STADT ROAD	125							TRAFFIC CO	ONTROL			
			10+01		STADT ROAD	140											
		•			TOTAL 0010	265					643	3.0420	643.0705		643.0900	643.5000	
											BARRICA	.DES TYPE III V	WARNING LIGHTS T	YPE A	SIGNS	TRAFFIC CONTROL	
				TEMPORA	ARY DITCH CHECKS				_	PROJECT	EACH			AY EACH		EACH	REMARKS
						628.7504				6952-01-70	14	854	16 9	76 14	854	0.53	61 DAYS
			STATION		LOCATION	628.7304 LF			_		TOTAL 0010	854	9	76	854	0.53	
		_															
			9+59 9+61		STADT RD, LT STADT RD, RT	5 5											
			10+32		STADT RD, LT	5											
			10+32		STADT RD, RT	5											
		_			TOTAL 0010	20											
				<u>co</u>	NSTRUCTION STAKI	<u>ING</u>							<u>SAWING A</u>	<u>SPHALT</u>			
														690.0550			
					650.4500	650.5000	650.6501.01 STRUCTURE LAYOUT	650.9911.01 SUPPLEMENTAL CONTROL	650.9920			9+	TION LOCATION -25 STADT RD	22			
					SUBGRADE	BASE	(STRUCTURE) (01. B-71-205)	(PROJECT) (01. 6951-01-70)	SLOPE STAKI	FS		10-	+75 STADT RD TOTAL 001		_		
CATEGORY	STATION	ТО	STATION	LOCATION	LF	LF	EACH	EACH	LF	<u></u>			TOTAL OUT	· +4			
0010	9+25	-	9+76	STADT ROAD	51	51	-	-	51								
0010	10+18	-	10+75	STADT ROAD	57	57	-	-	57								
0020		10+00		STADT ROAD	-	-	1	-	-								
0010		PROJECT		STADT ROAD	-	-	-	1	-								

PROJECT NO: 6952-01-70

TOTAL

108

1

COUNTY: WOOD

108

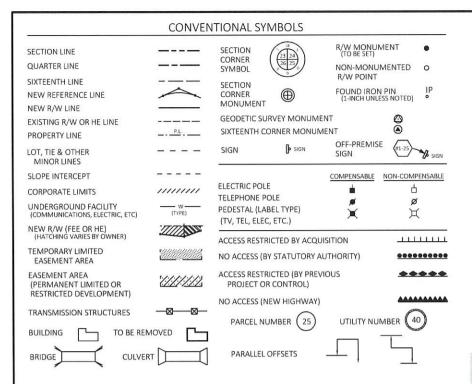
HWY: LOCAL STREET

108

MISCELLANEOUS QUANTITIES

SHEET

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CONVENTIONAL ARREVIATIONS

 \boxtimes

CONVENTIONAL UTILITY SYMBOLS

OVERHEAD TRANSMISSION LINES

WATER GAS TELEPHONE

CABLE TELEVISION FIBER OPTIC SANITARY SEWER STORM SEWER ELECTRIC TOWER

CONV	ENTIONAL	ABBREVIATIONS	
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON	CURVE DATA ABBREVIA	ATIONS
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO	LONG CHORD LONG CHORD BEARING	LCH LCB
OUTLOT	OL	RADIUS	R
PAGE	Р	DEGREE OF CURVE	D
POINT OF TANGENCY	PT	CENTRAL ANGLE	△/DELTA
PERMANENT LIMITED	PLE	LENGTH OF CURVE	L
EASEMENT		TANGENT DIRECTION AHEAD	T DA
POINT OF BEGINNING	POB	DIRECTION AREAD DIRECTION BACK	DB DB
POINT OF CURVATURE	PC	Difference of the control of the con	

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83 (2011)IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$ " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

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

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL PAGES.

R/W PROJECT NUMBER	SHEET	TOTAL
6952-01-00	NUMBER	SHEETS
FEDERAL PROJECT NUMBER	4.01	

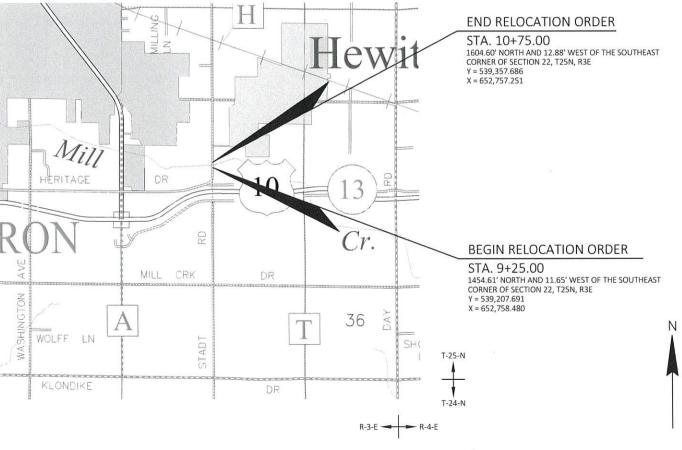
PLAT OF RIGHT OF WAY REQUIRED FOR

T MARSHFIELD, STADT ROAD MILL CREEK BRIDGE, P-71-0103

LOCAL STREET WOOD COUNTY

CONSTRUCTION PROJECT NUMBER

6952-01-70



THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

Mead
Flunt

RICK R.
HILLMANN
S-3005
NEW BERLIN
WI.

9/17/24
DATE:

(Signature)

REVISION DATE

TOWN OF MARSHFIELD

APPROVED FOR TOWN OF MARSHFIELD

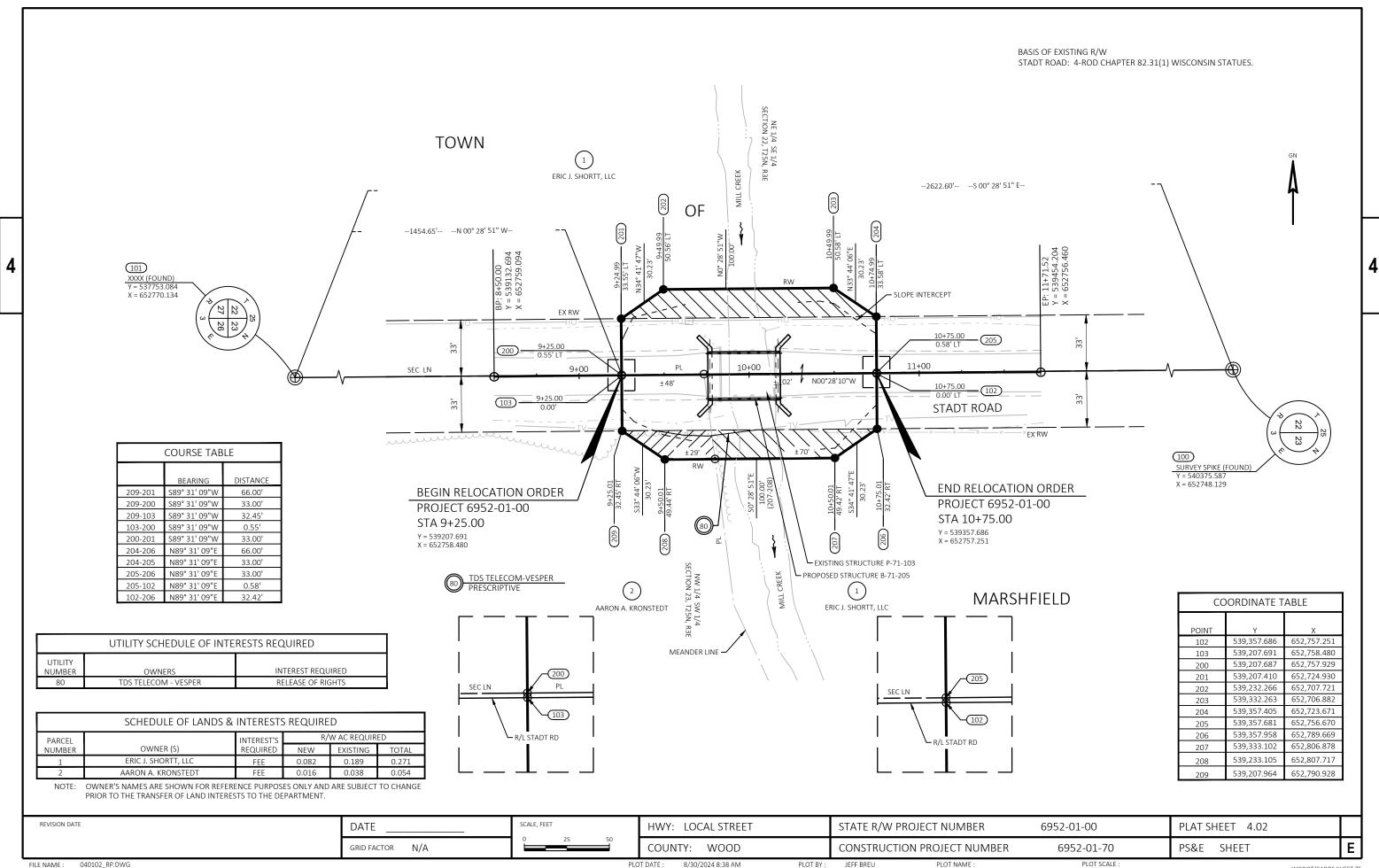
DATE: 10-1-24

(Signature)

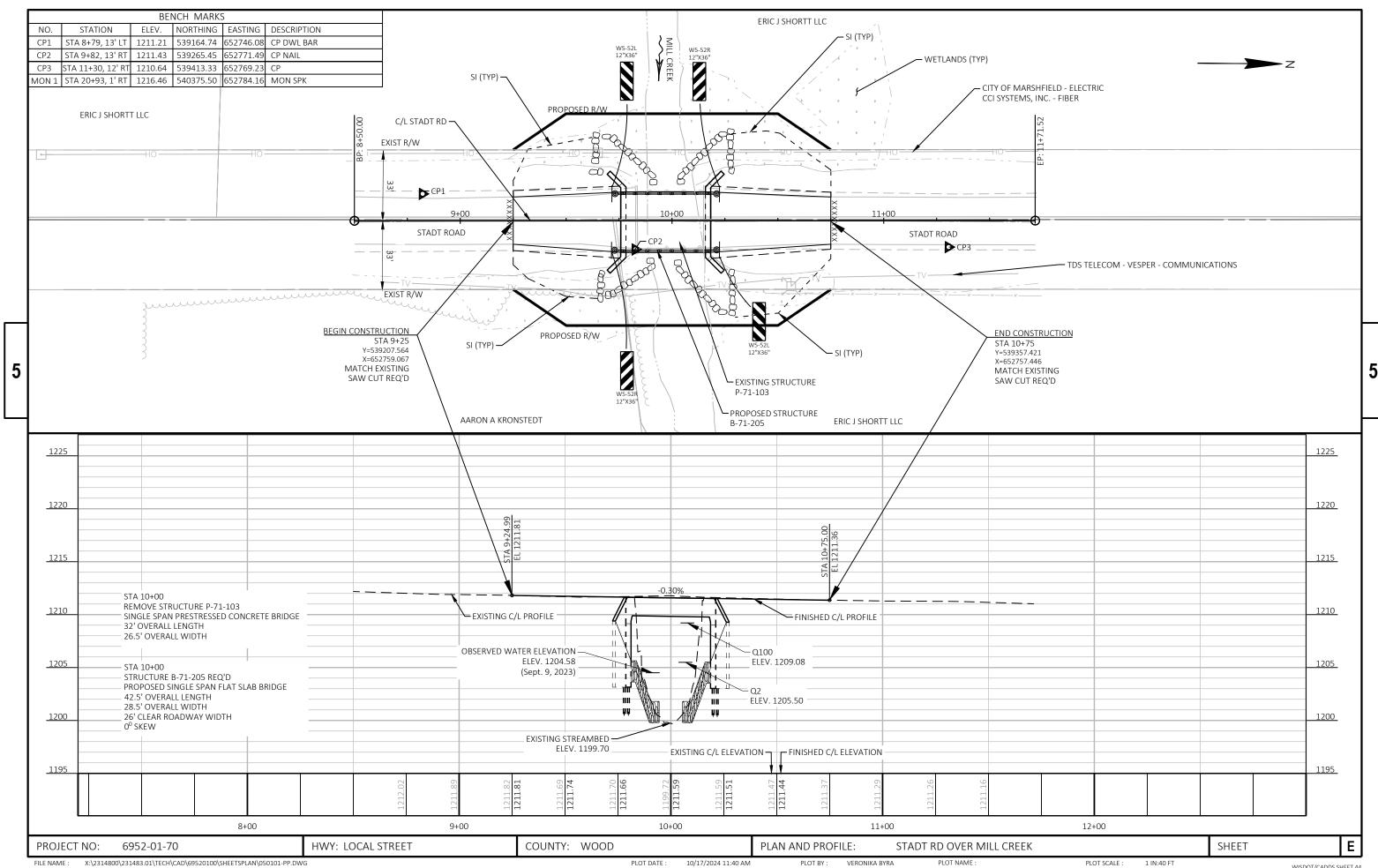
SCALE

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 0.028 MI



FILE NAME: 040102_RP.DWG LAYOUT NAME - 01 JEFF BREO PLOT NAME: PLOT SCALE: WISDOT/CADDS SHEET 75



WISDOT/CADDS SHEET 44

Standard Detail Drawing List

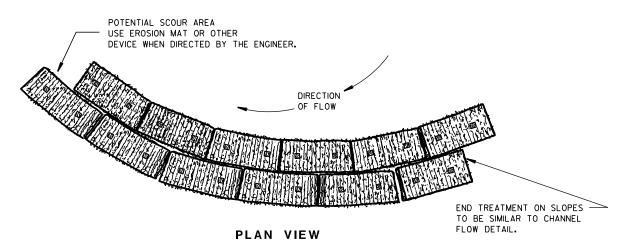
	2.000
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

6

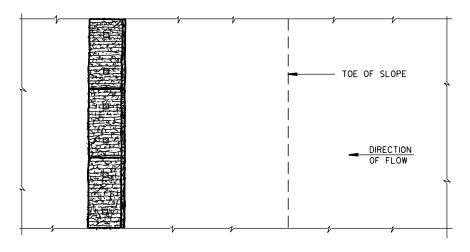
GENERAL NOTES

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

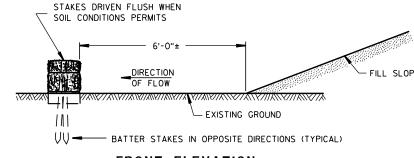
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

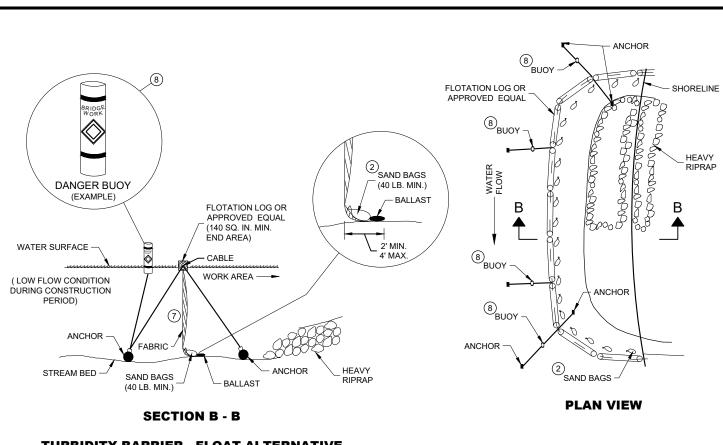
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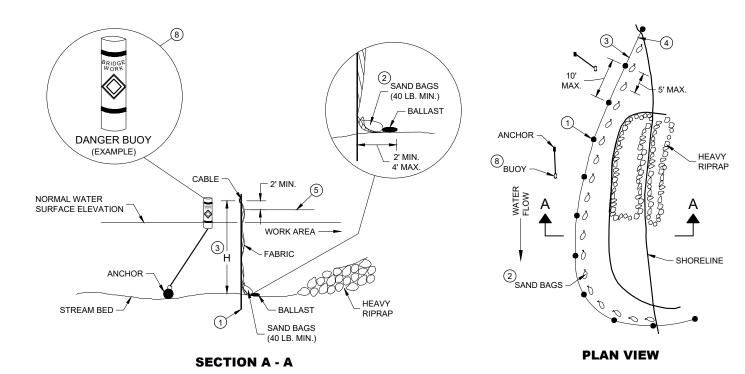
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TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

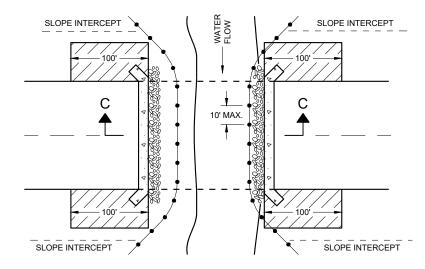
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

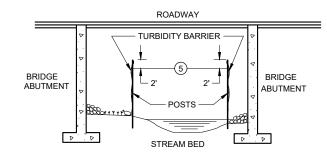
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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





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.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

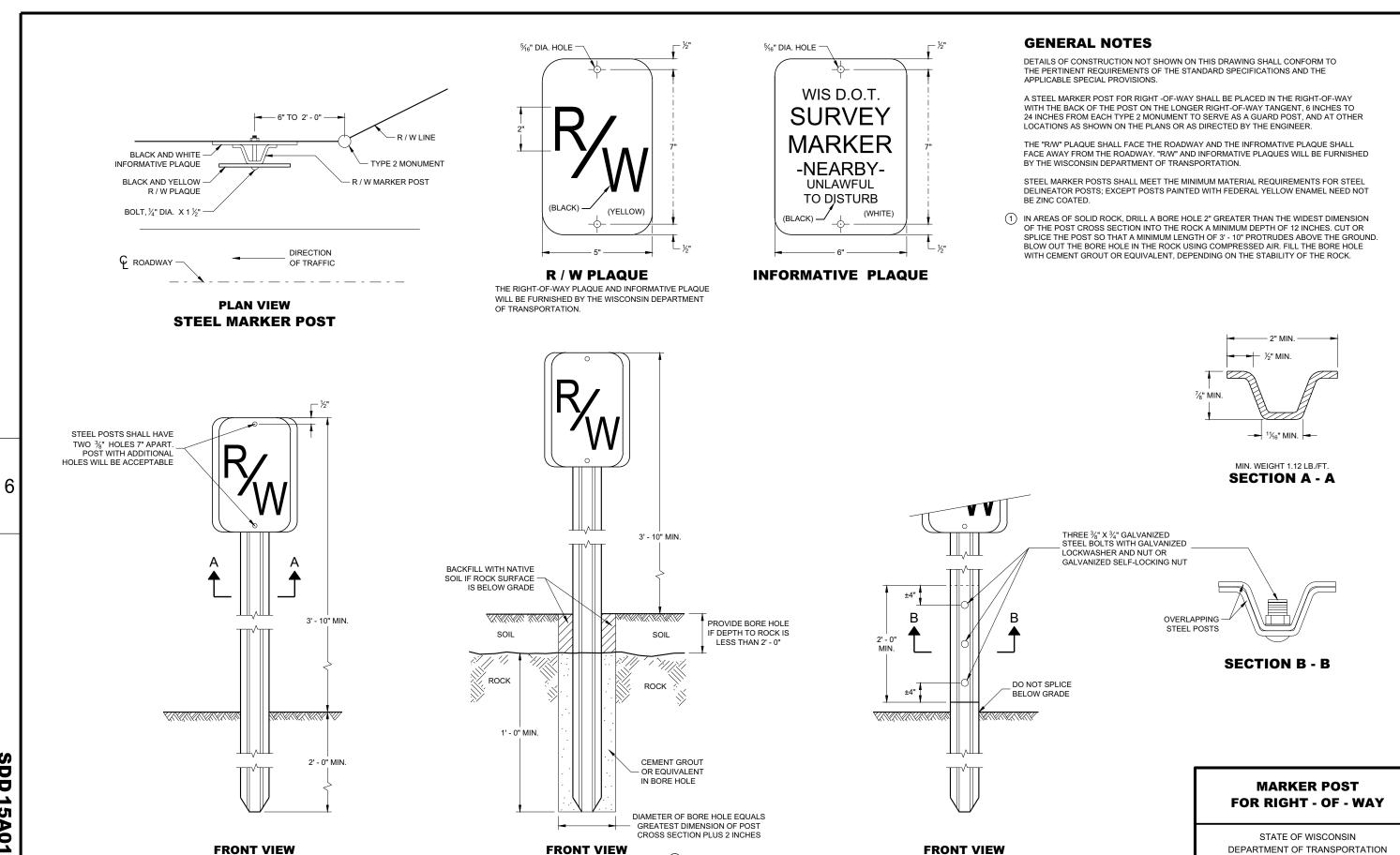
APPROVED

3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

3-10



SPLICE DETAIL

ROCK INSTALLATION 1

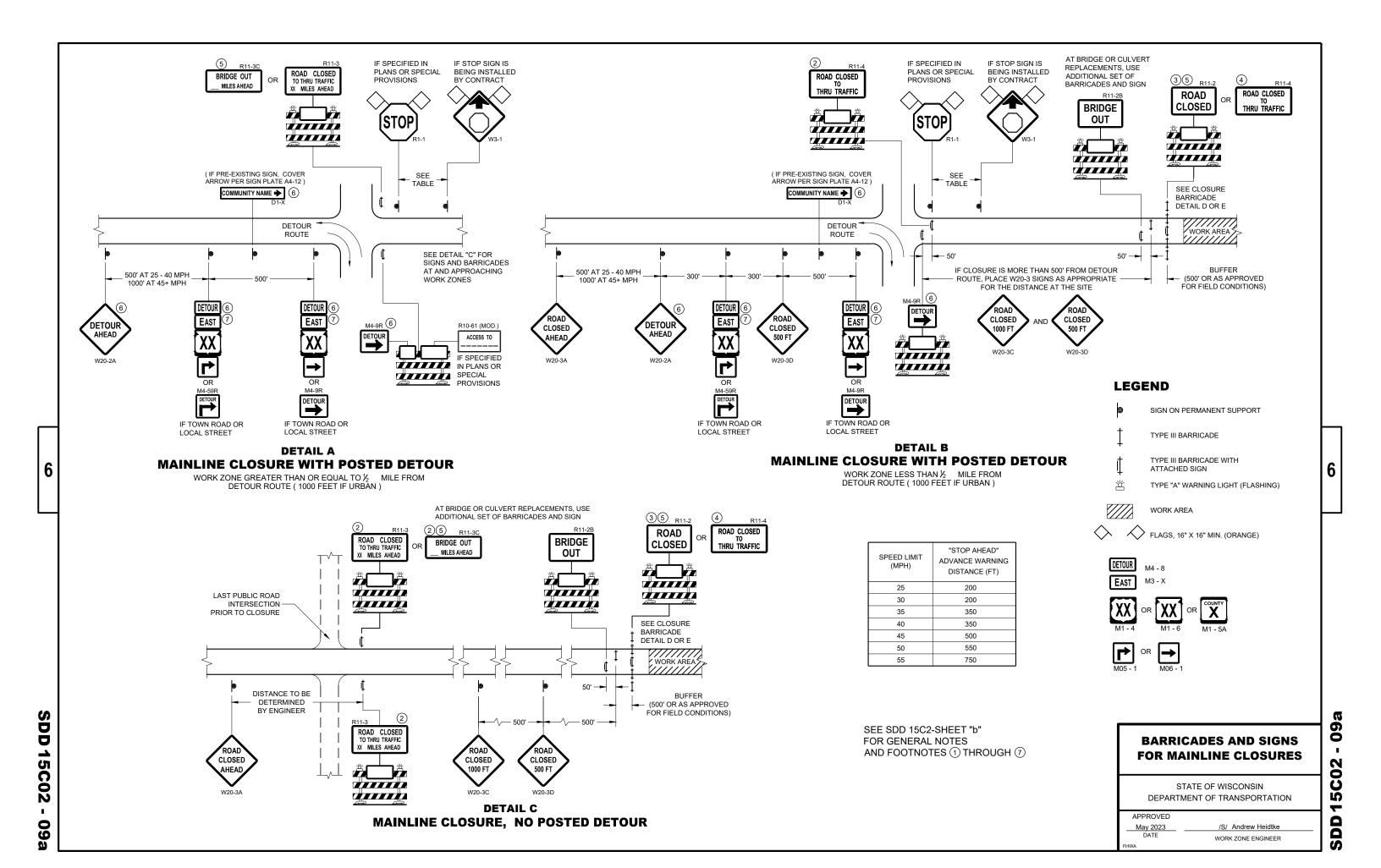
SDD 15A01 -

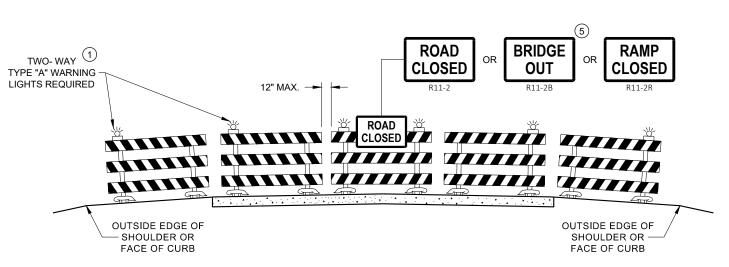
STEEL MARKER POST

DD 15A01 - 13

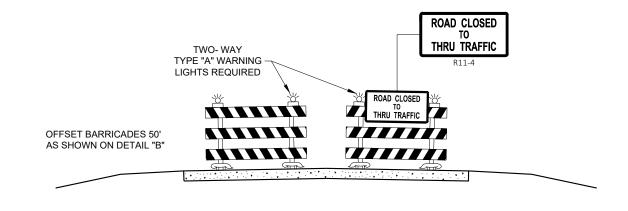
/S/ Ray Kumapayi
CHIEF SURVEYING AND MAPPING
ENGINEER

APPROVED 2/18/2016 DATE





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"

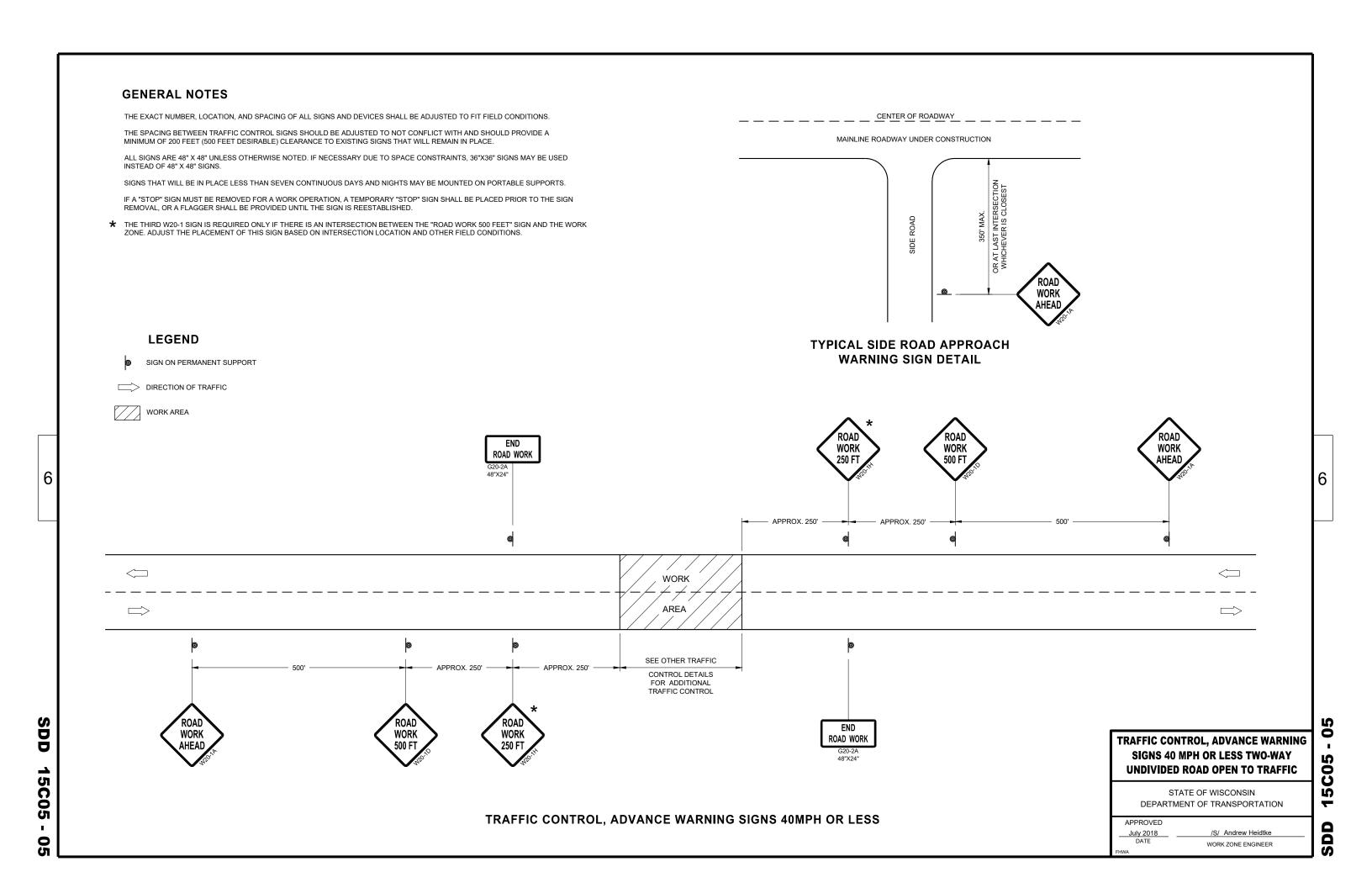
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS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

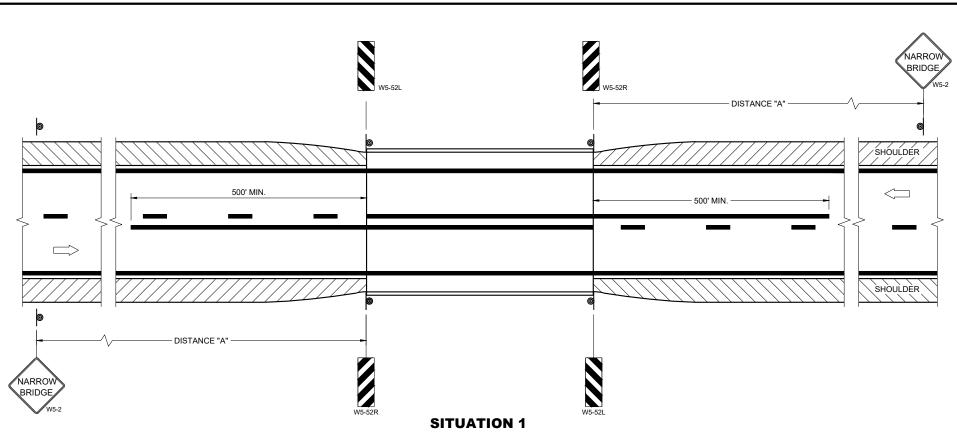
APPROVED May 2023 DATE WORK ZONE ENGINEER

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SDD 15C06-12



WARRANTING CRITERIA: BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

OR SHOULDER SHOULDER WS-52R WS-52L

SITUATION 2

WARRANTING CRITERIA: 1. BRIDGE WIDTH IS AT LEAST 24 FEET <u>AND</u> 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

SDD

15C06-12

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

SIGNING AND MARKING FOR TWO LANE BRIDGES

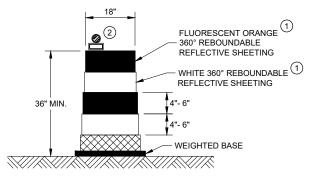
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2023	/S/ Jeannie Silver
DATE	Statewide Pavement Marking Engineer
FHWA	

SDD 15C11

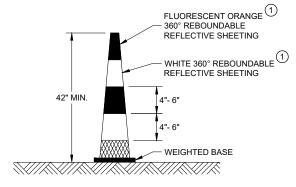
GENERAL NOTES

- (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.



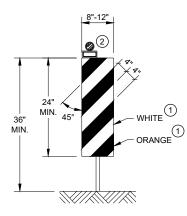
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



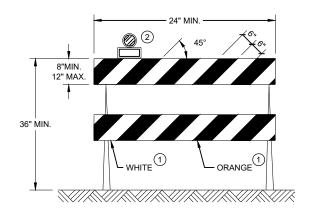
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



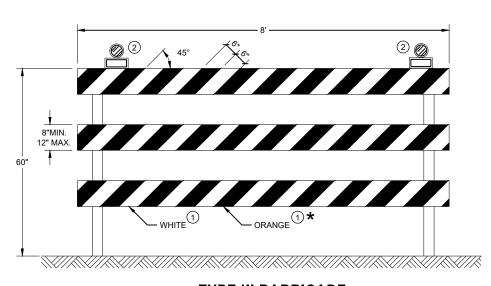
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER





RURAL AREA (See Note 2)



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 or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (\pm) 3".

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

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

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

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

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



ELEVATION VIEW

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



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

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

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





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



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

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 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) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

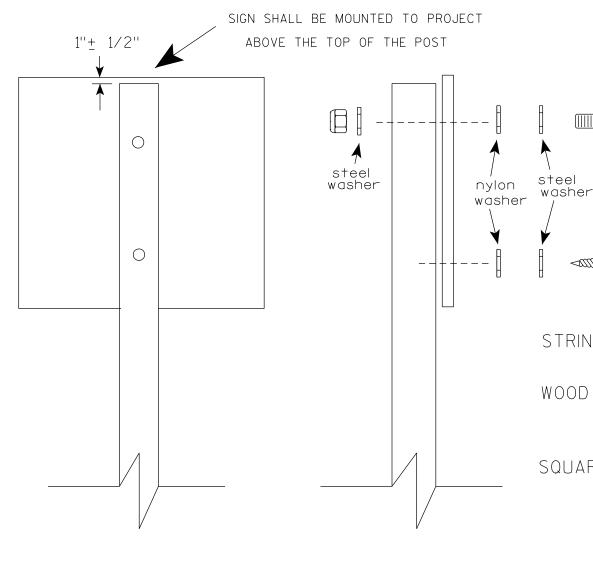
COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ 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 - 1/32 " (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

SHEET NO:

DATE 4/1/2020

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

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

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

PROJECT NO:

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

SIGN

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

NOTES

- 1. Sign is Type II Type H Reflective
- 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 —		
	G F H B F G G	
R	l1-2B	

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
2M	48	30	1 1/8	1/2	5/8	8	5	4	19 ¾	9 3/4	9 1/8																10.0
3	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
4	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
5	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE 2/5/24 PLATE NO. R11-2B.3

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R112B.dgn

PROJECT NO:

PLOT DATE : 5-FEB 2024 2:20

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42



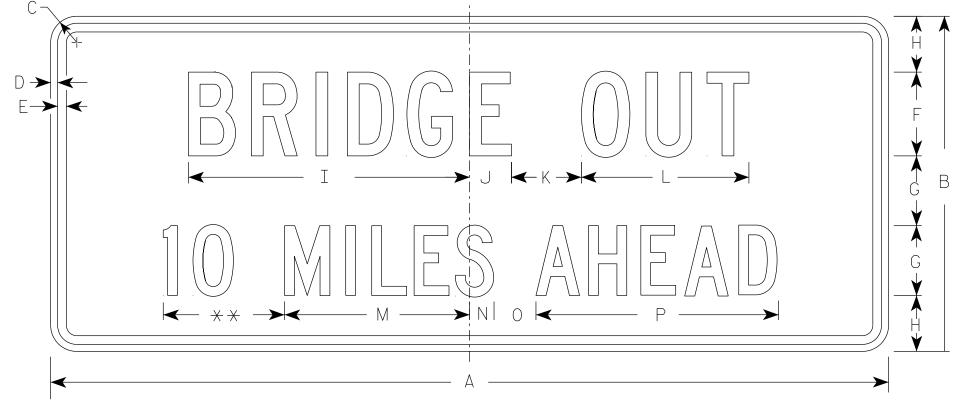
- 1. Sign is Type II Type H Reflective
- 2. Color:

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.



R11-3C

** See Note 5

SIZE Α В D Q R U 36 15 1 1/2 1/25/8 2 1/2 13 1/4 2 1/4 3 1 1/2 2 10 3/4 7 1/8 3.75 1 1/8 5/8 13 1/4 1 3/4 $17 \frac{3}{8}$ 11 1/8 10.0 60 24 1/2 5 20 1/8 3 5 12 2M 1 1/8 5/8 60 24 13 1/4 1 3/4 $17 \frac{3}{8}$ 1/2 20 1/8 3 5 12 $11 \frac{7}{8}$ 10.0 3 4

STANDARD SIGN R11-3C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Lauch
For State Traffic Engineer

DATE <u>2/5/24</u>

PLATE NO. R11-3C.4

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.dgn

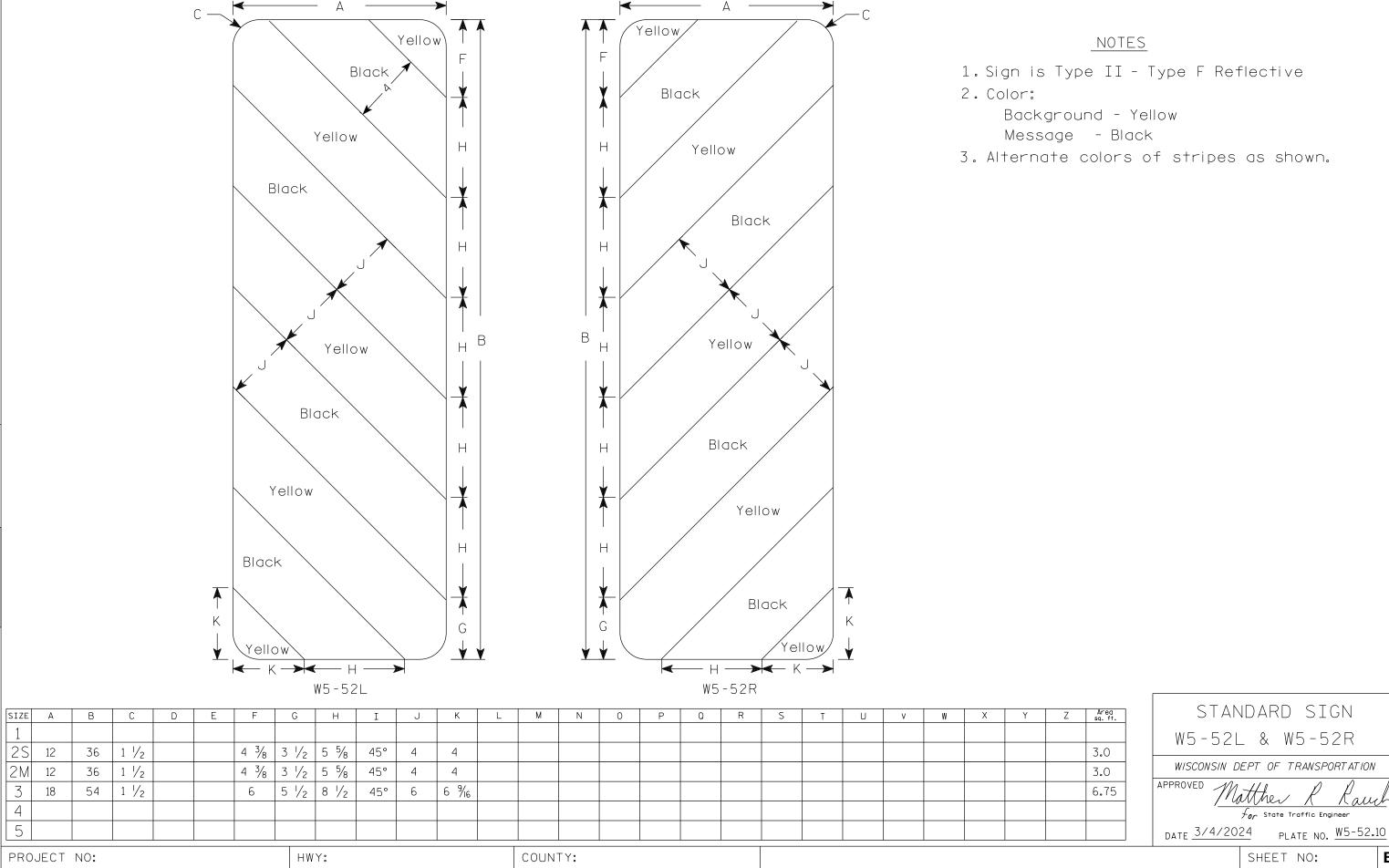
PROJECT NO:

PLOT DATE : 5-FEB 2024 2:52

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42

Ε



PLOT DATE: 4-MARCH 2024 11:57 PLOT NAME : PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42 PLOT BY : dotc4c



- 1. Sign is Type II Type F Reflective
- 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.

1
W20-3D
$\begin{array}{c c} \hline & & & \\ \hline $
W20-3B
W20-3G

W20-3A

HWY:

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 1/8	12 1/2	11	9	6	10 1/8	2 1/2	1 1/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4 1 3/4	9.0
25	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

SHEET NO:

HEET NO:

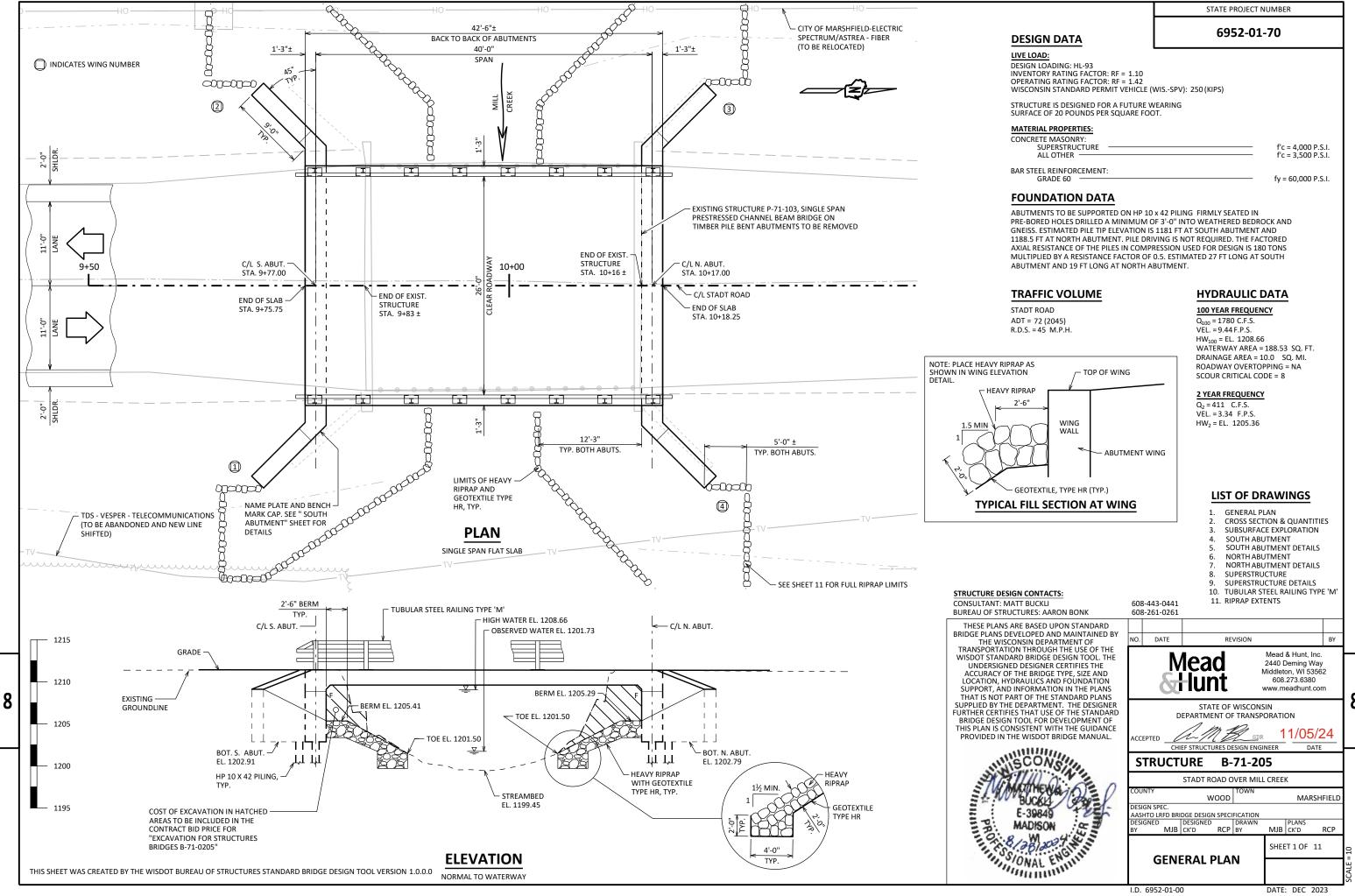
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN

PROJECT NO:

COUNTY: PLOT DATE: 10-JAN 2024 12:02

PLOT BY : dotc4c

PLOT NAME :



GENERAL NOTES

6952-01-70

DRAWINGS SHALL NOT BE SCALED.

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

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

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-71-0205" SHALL BE THE EXISTING GROUNDLINE.

CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP

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

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

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT

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

AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

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

OF WINGS AND FRONT FACE OF ABUTMENT TO 1'-0" PAST THE EDGE OF SLAB.

CROSS SECTION THRU ROADWAY

28'-6"

OUT TO OUT OF SUPERSTRUCTURE

26'-0"

CLEAR BETWEEN BARRIERS

11'-0"

LANE

C/L STADT RD

2.0 %

TOP OF BERM

2'-0"

SHLD.

- BOTTOM OF ABUTMENT

TUBULAR STEEL RAILING TYPE 'M'

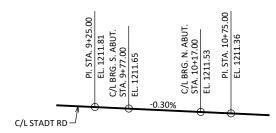
11'-0"

LANE

POINT REFERRED TO ON -

PROFILE GRADE LINE

LOOKING UPSTATION (PILING NOT SHOWN FOR CLARITY)



ABUTMENT BACKFILL DIAGRAM

→ A

- = ABUTMENT BODY LENGTH AT BACKFACE (FT)
- = AVERAGE ABUTMENT FILL HEIGHT (FT) = WING 1 HEIGHT AT TIP (FT)

ELEVATION

PLAN

- = WING 2 HEIGHT AT TIP (FT)
- = WING LENGTH (FT)
- = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)

1'-3"

2'-0" SHLD.

SECTION A-A

SECTION B-B

- = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)
- $= V_{CF}(EF)/27$
- $V_{TON} = V_{CY}(2.0)$

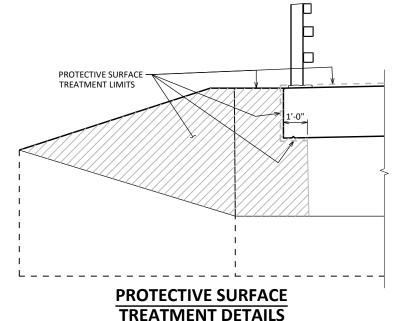
TOP OF **PAVEMENT**

PROFILE GRADE LINE

THE AREA 3 FEET ADJACENT TO ANY SOIL IN CONTACT WITH CREOSOTE COATED TIMBER WAS USED TO CALCULATE THE QUANTITY.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	S. ABUT.	N. ABUT.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS P-71-103	EACH				1
205.0505.S	EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL AND MANAGEMENT OF CONTAMINATED GROUNDWATER	TON		99	96	195
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-71-205	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON		187	187	374
502.0100	CONCRETE MASONRY BRIDGES	CY	81	31	31	143
502.3200	PROTECTIVE SURFACE TREATMENT	SY	157	17	17	191
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		2,150	2,150	4,300
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	17,030	1,530	1,530	20,090
513.4061	RAILING TUBULAR TYPE M	LF	90			90
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		6	6	12
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF		153	100	253
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		177	124	301
606.0300	RIPRAP HEAVY	CY		87	97	184
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		71	71	142
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		44	44	88
645.0120	GEOTEXTILE TYPE HR	SY		184	202	386
	NON-BID ITEMS					
	FILLER	SIZE				1/2", 3/4"



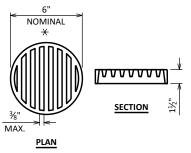
- BRIDGE ROADWAY **SUPERSTRUCTURE PAVEMENT** ABUTMENT - ROADWAY SUBSURFACE BACKFACE PAY LIMITS OF BACKFILL 🗘 BACKFILL STRUCTURE TYPE A "GEOTEXTILE TYPE DF SCHEDULE A" LIMITS. EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT FOR THE ENTIRE ABUTMENT BODY LENGTH

TYPICAL SECTION THRU ABUTMENT

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND 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 UNDERDRAIN.

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
CP 200	8+79, 13' LT	CP DWL BAR	1211.21
CP 202	9+82, 13' RT	CP NAIL	1211.43
TV 1	10+56, 31' RT	TPPED TV1	1203.80
CP 201	11+30, 12' RT	СР	1210.64

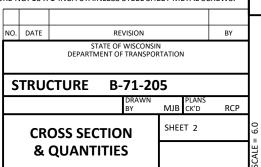


RODENT SHIELD DETAIL

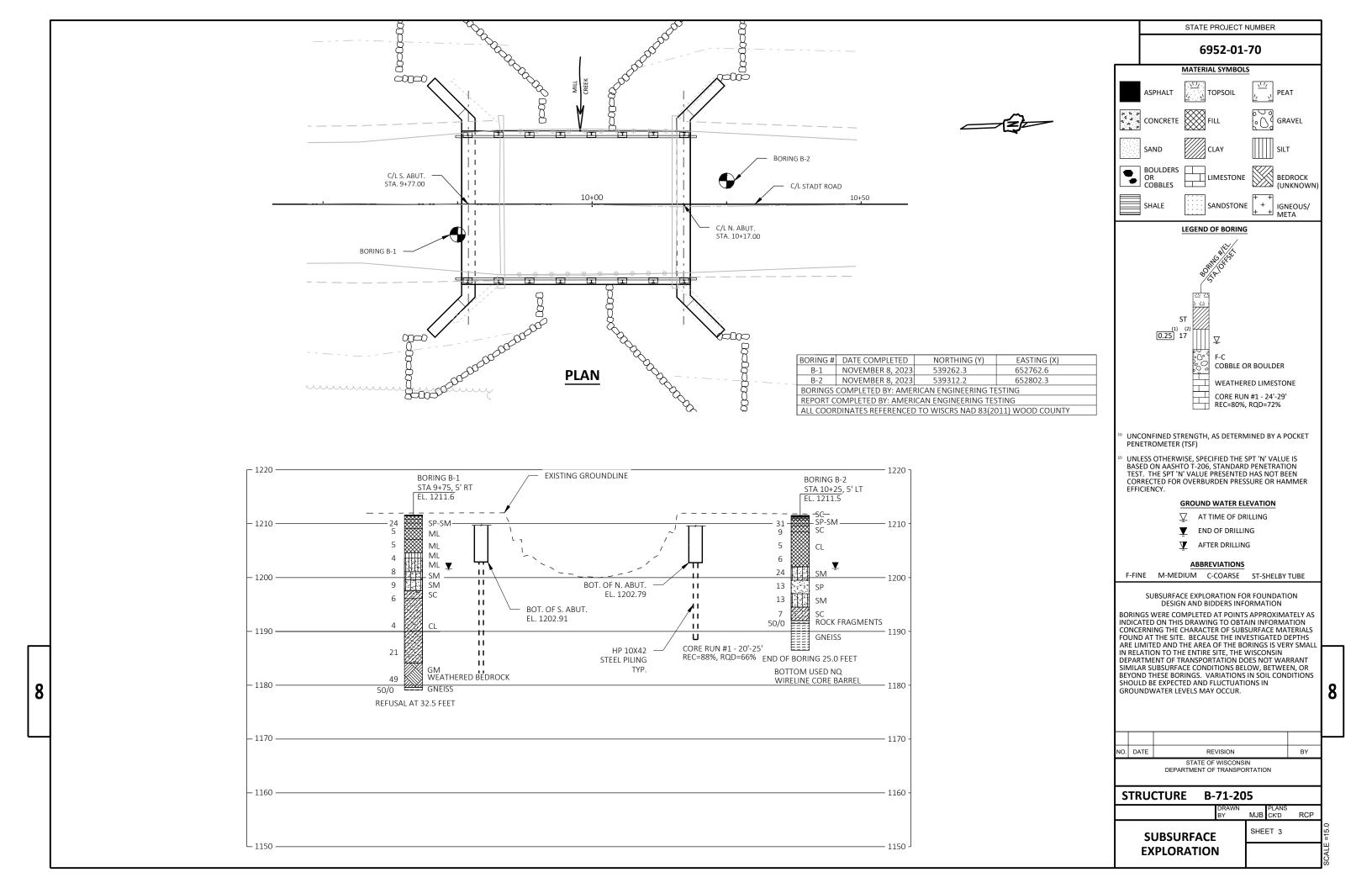
★ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

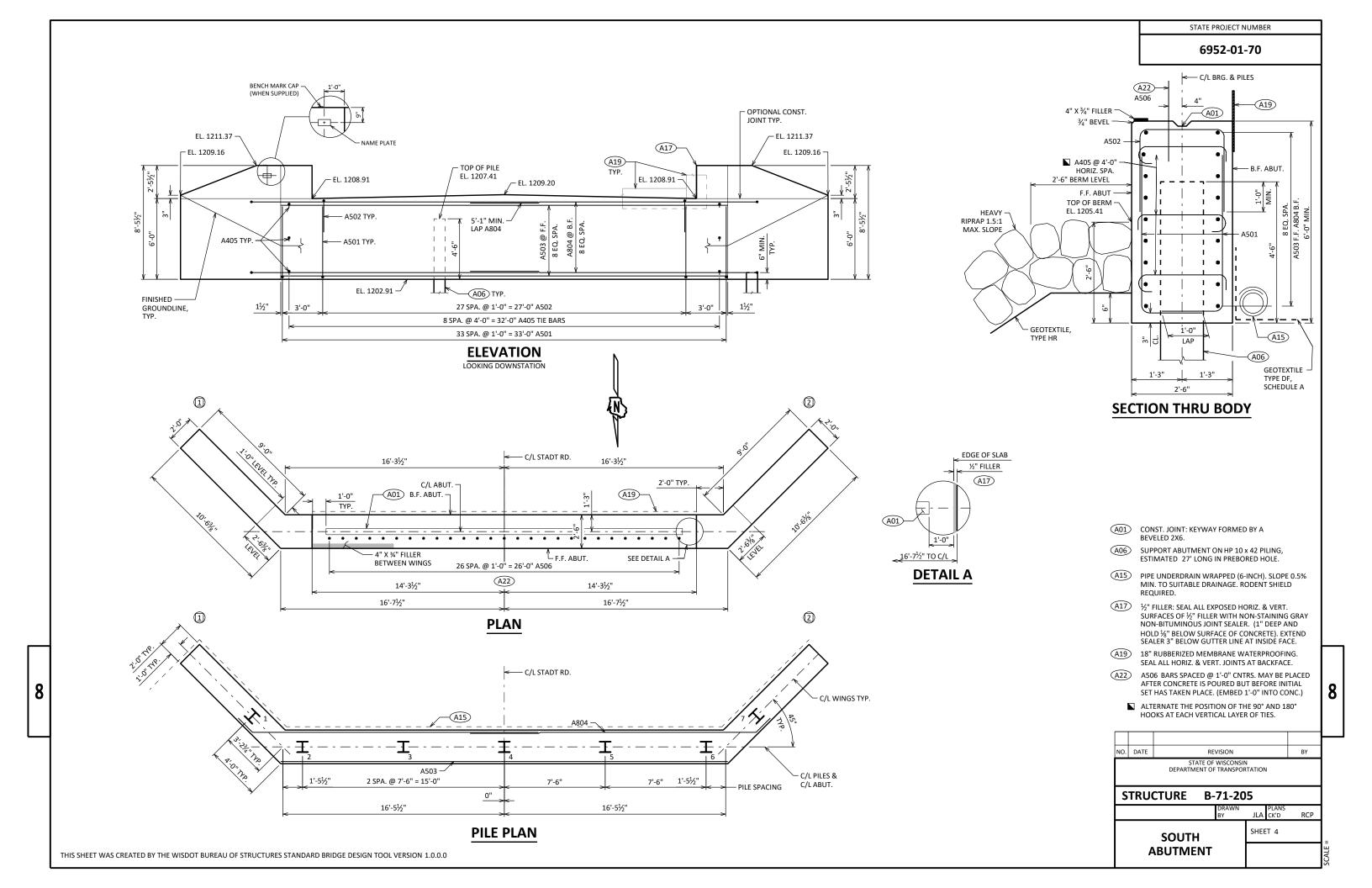
THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

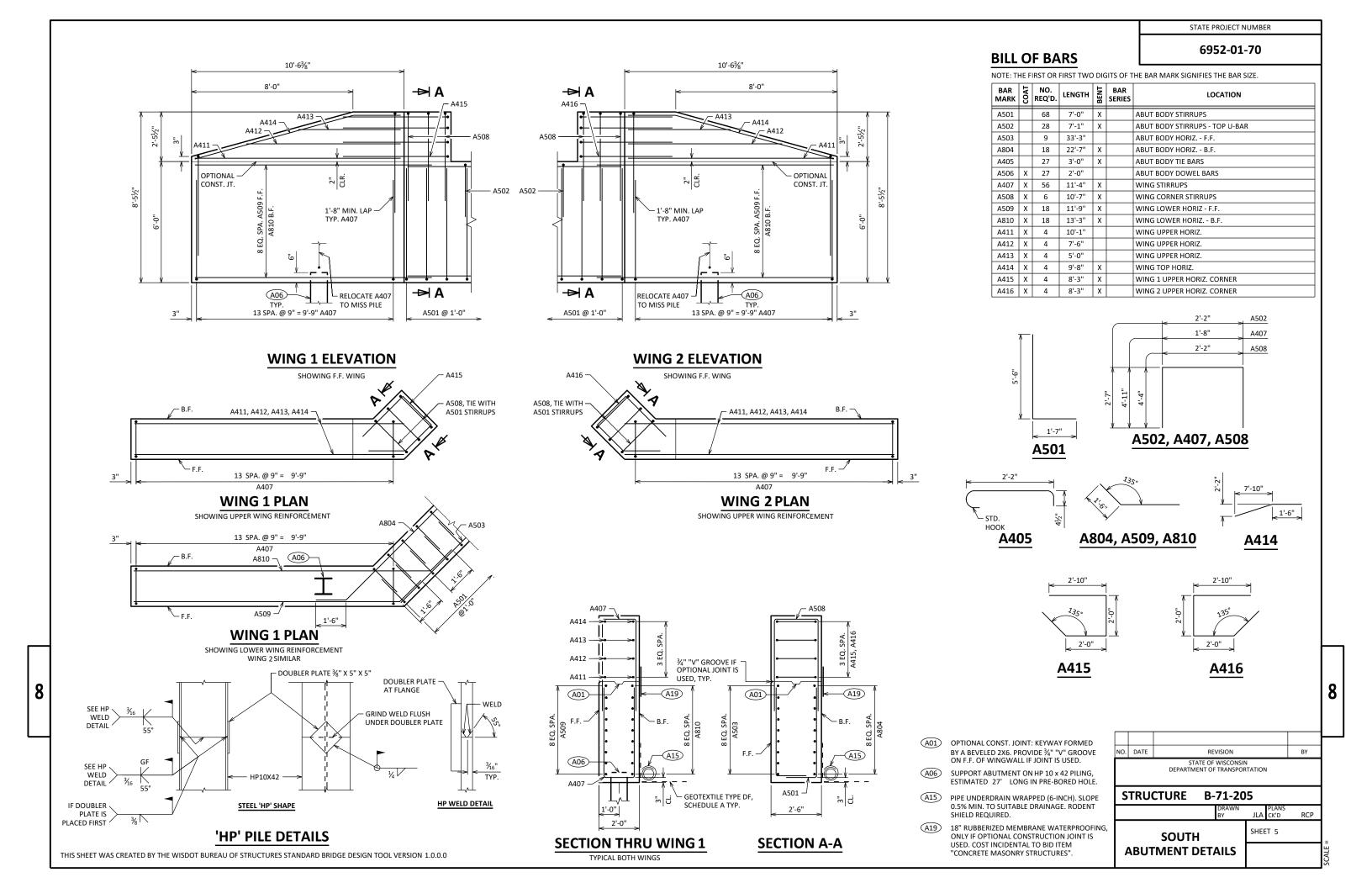
THE RODENT SHIFLD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X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

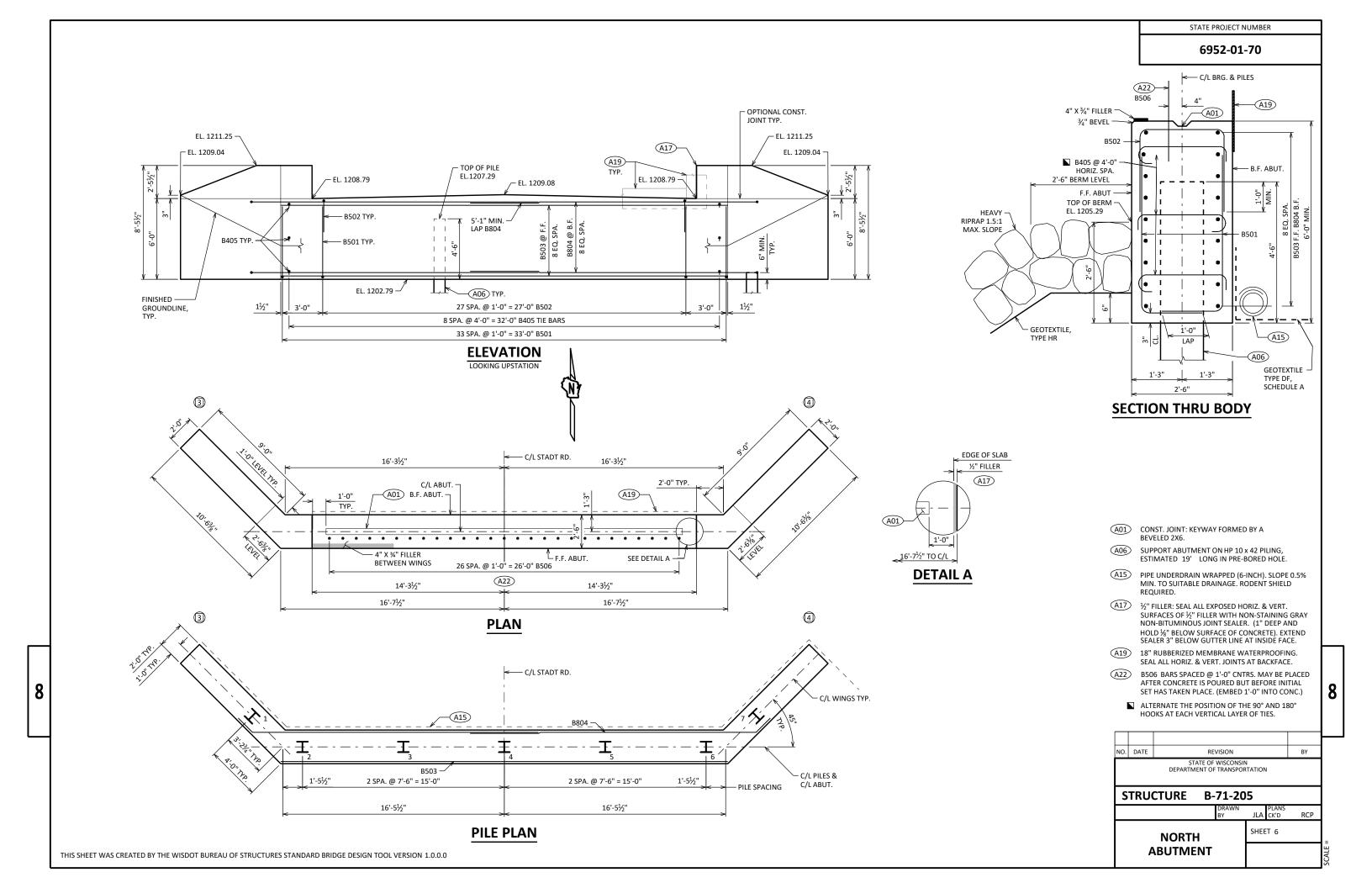


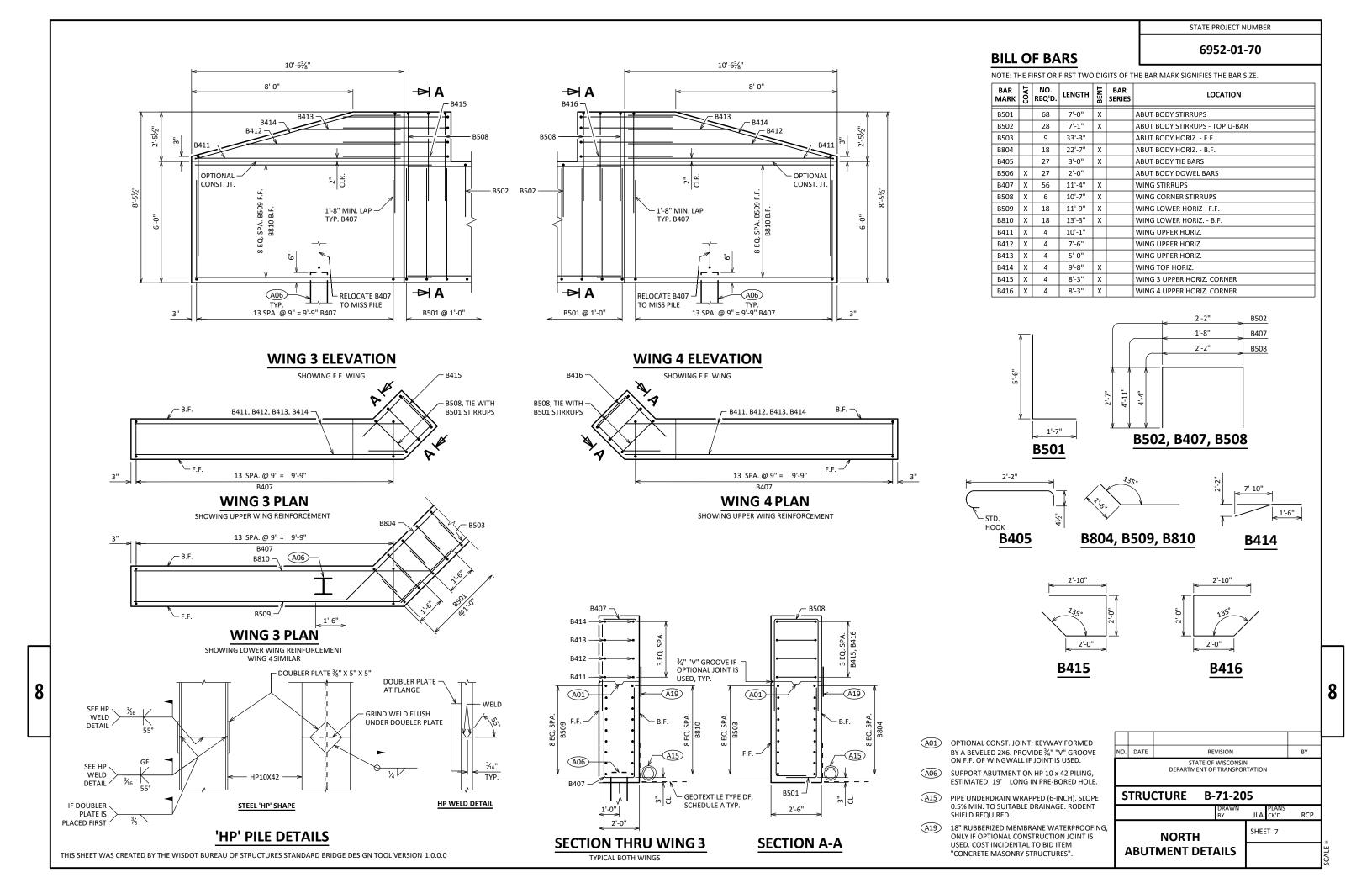
THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

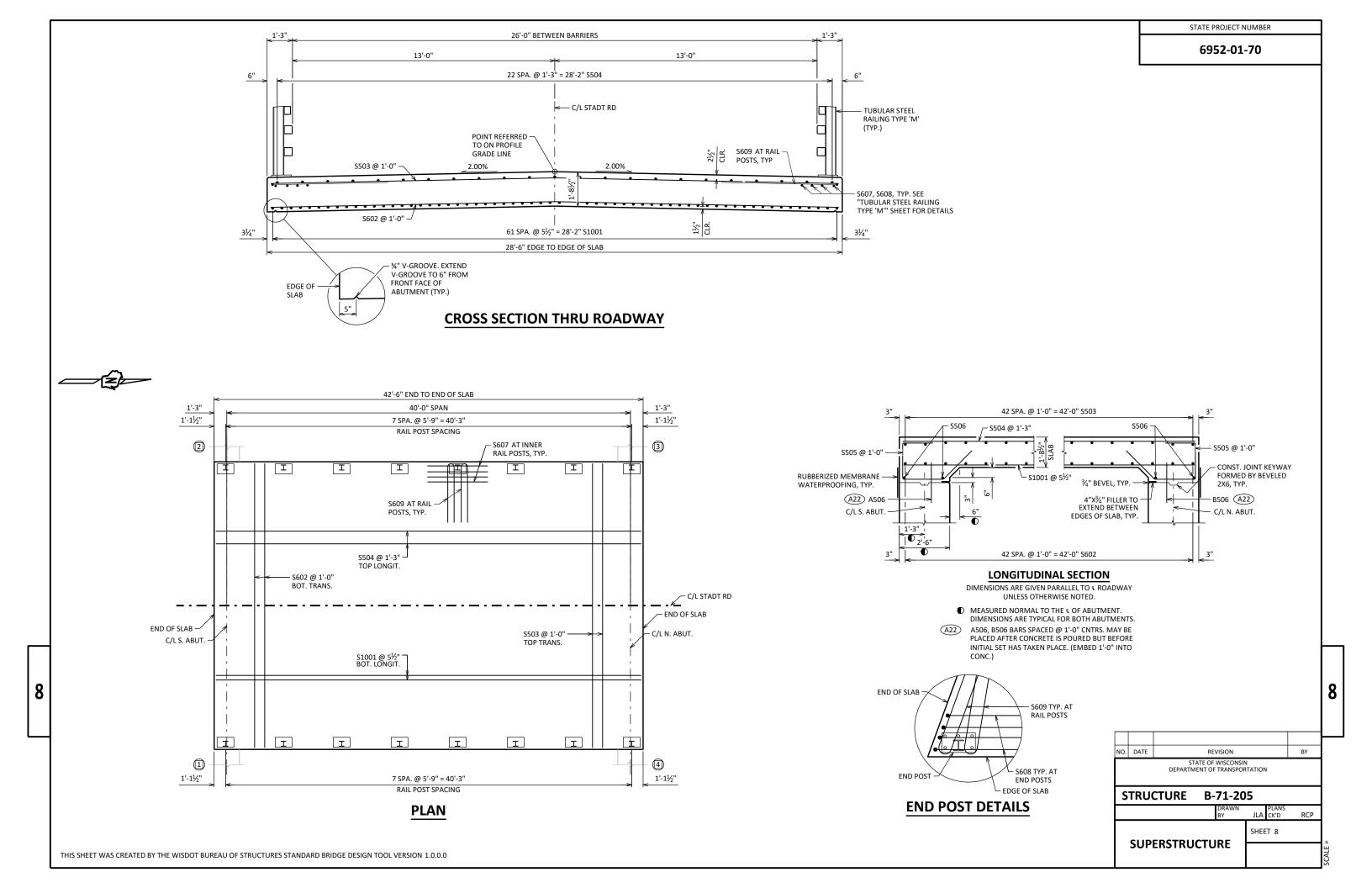












CAMBER AND SLAB THICKNESS DIAGRAM

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 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

.ESS SLAB THICKNESS

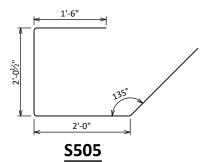
PLUS CAMBER

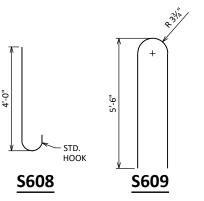
PLUS FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)

EQUALS TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

	LOCATION	C/L BRG. S. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L BRG. N. ABUT.
W	. EDGE OF DECK	1211.37	1211.36	1211.35	1211.33	1211.32	1211.31	1211.30	1211.29	1211.27	1211.26	1211.25
CI	ROWN OR R/L	1211.65	1211.64	1211.63	1211.62	1211.61	1211.59	1211.58	1211.57	1211.56	1211.55	1211.53
E.	EDGE OF DECK	1211.37	1211.36	1211.35	1211.33	1211.32	1211.31	1211.30	1211.29	1211.27	1211.26	1211.25





STATE PROJECT NUMBER

6952-01-70

BILL OF BARS

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

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION			
S1001	Х	62	42'-2"			SLAB BOTTOM LONGITUDINAL			
S602	Х	43	28'-2"			SLAB BOTTOM TRANSVERSE			
S503	Х	43	28'-2"			SLAB TOP TRANSVERSE			
S504	Х	23	42'-2"			SLAB TOP LONGITUDINAL			
S505	Х	58	7'-4"	Х		ABUTMENT DIAPHRAGM STIRRUPS			
S506	Х	4	28'-2"			ABUTMENT DIAPHRAGM LONGITUDINAL			
S607	Х	48	6'-0"			SLAB TOP LONGIT. UNDER RAIL POSTS			
S608	Х	16	4'-8"	Х		SLAB TOP LONGIT. UNDER RAIL END POSTS			
S609	Х	32	11'-5"	Х		SLAB TOP HOOKS UNDER RAIL POSTS			

SURVEY TOP OF SLAB ELEVATIONS

LOCATION	ABUTMENT	5/10 PT.	ABUTMENT
W. GUTTER			
CROWN OR R/L			
E. GUTTER			

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

NOTES

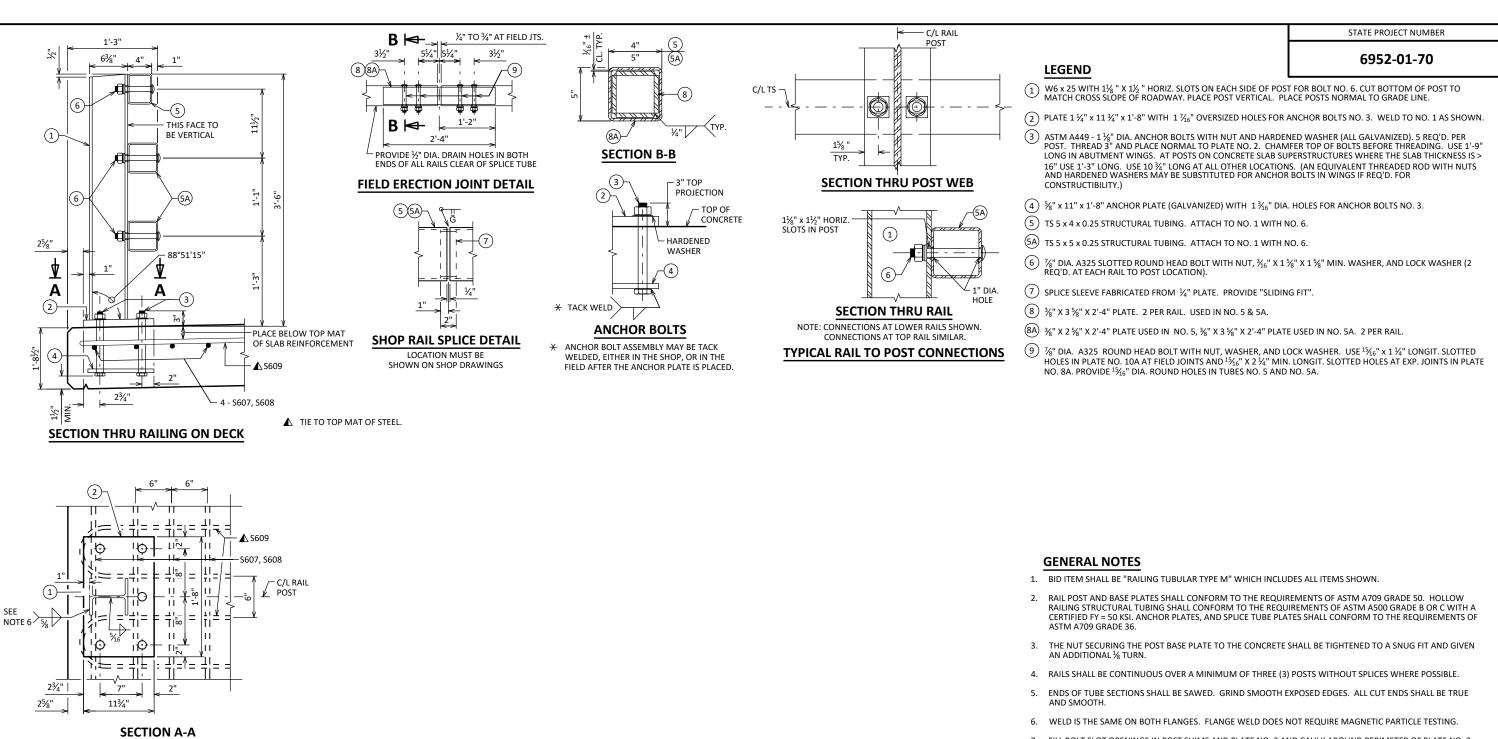
FILL IN THE TABLE OF "SURVEY TOP OF SLAB ELEVATIONS" FOR EACH SPAN ON AS BUILT PLANS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

				Γ					
NO.	DATE	RE'	VISION			BY			
	١								
S	STRUCTURE B-71-205								
			DRAWN BY	JLA	PLANS CK'D	RCP			
	SUP	ERSTRUCTU	SHEET 9						
		DETAILS					CAIF		

8



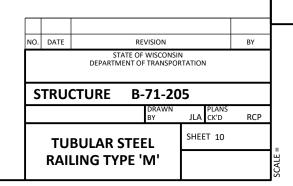
SEE POST SPA.
SUPERSTRUCTURE SHEET

TYP.

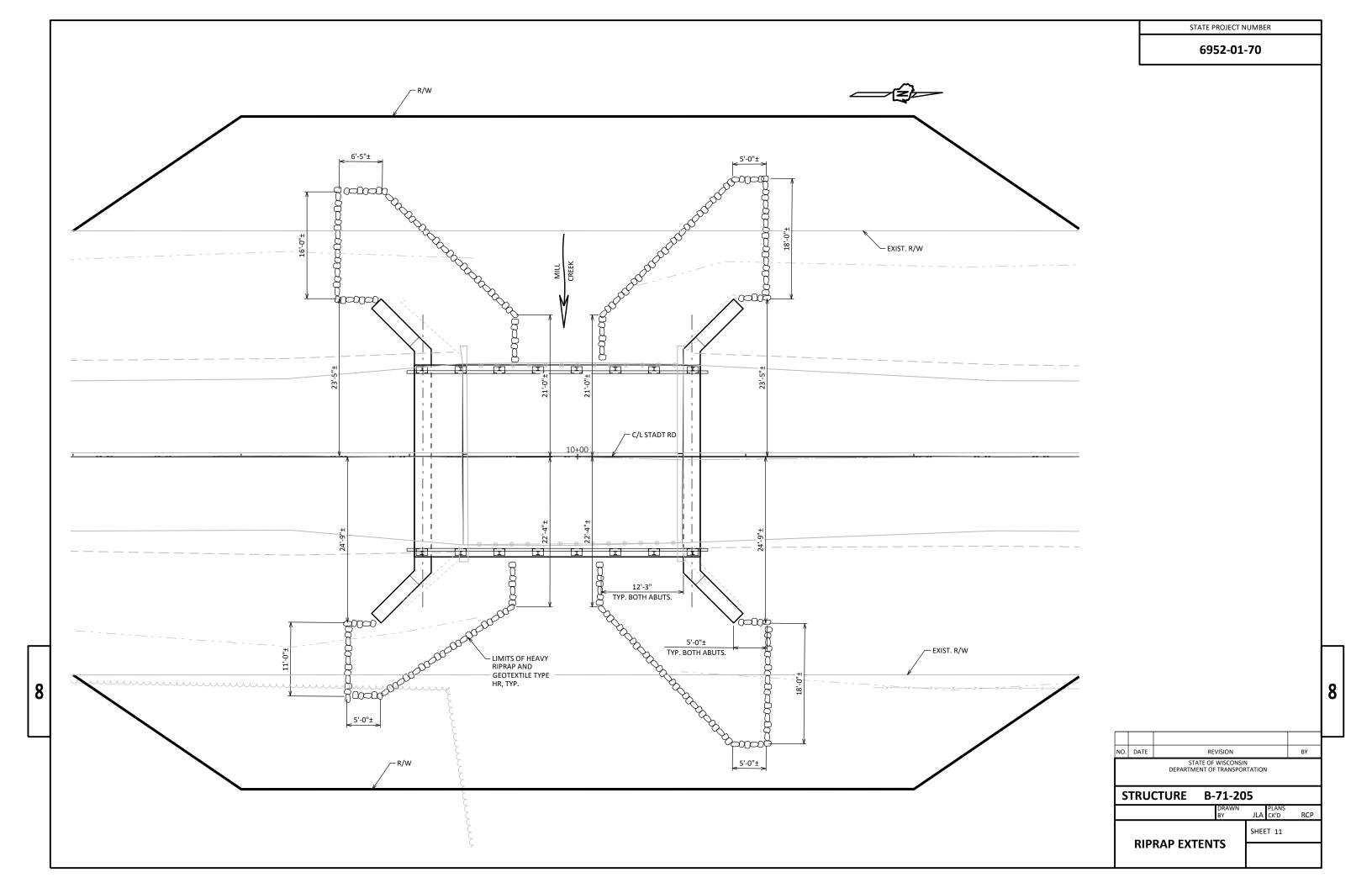
GF

PART ELEVATION OF RAILING

- 7. FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2 WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.
- 8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.
- 9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.



THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0



STADT RD

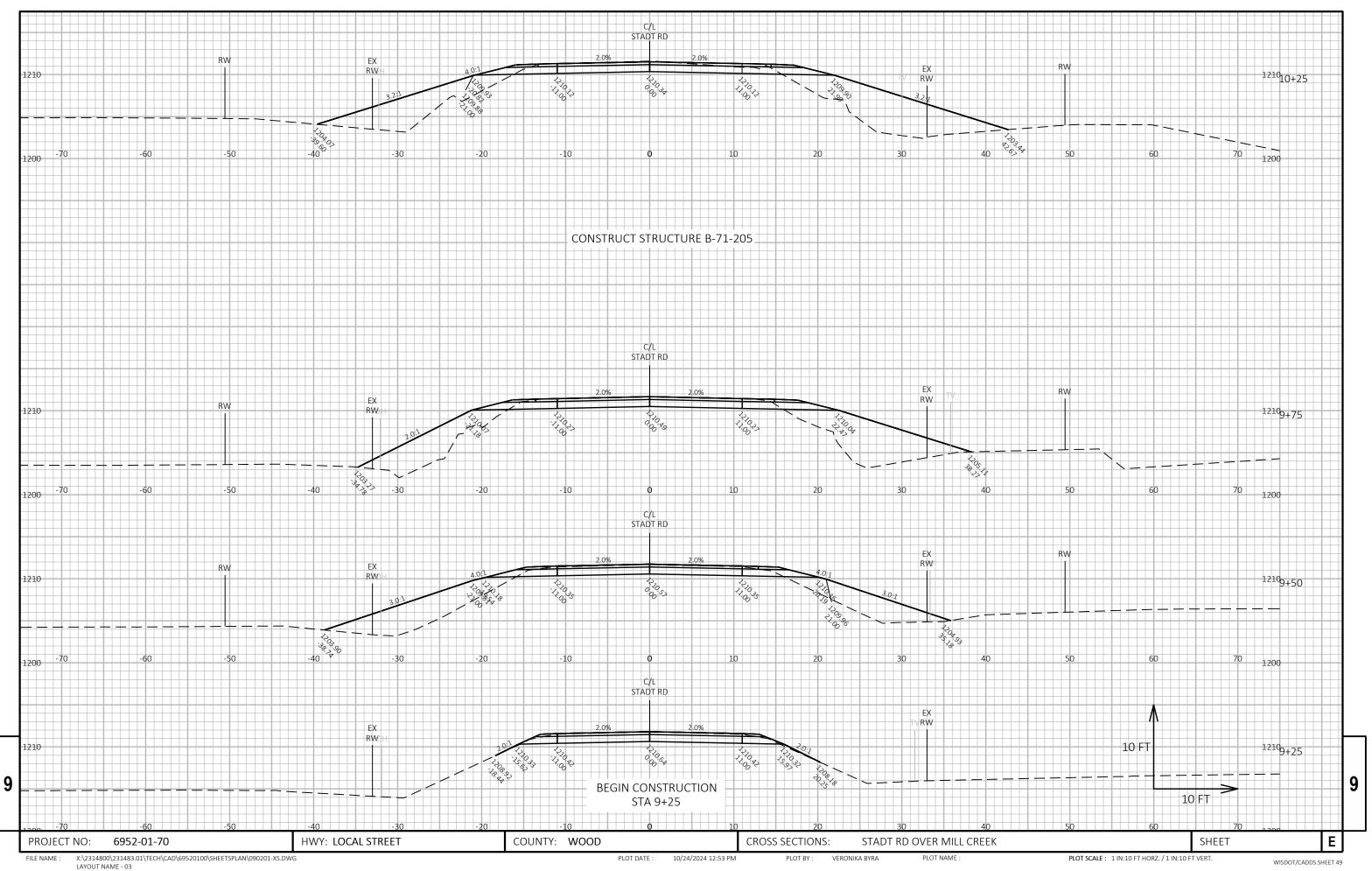
		AREA (SF)		INCF	REMENTAL VOL (CY) (UNADJUS	STED)		CUMULATIVE VOL (CY)			
STATION	CUT SALVAGED/UNUSABLE FILL CUT PAVEMENT MATERIAL	СИТ	SALVAGED/UNUSABLE FILL PAVEMENT MATERIAL		CUT 1.00	EXPANDED FILL	MASS ORDINATE				
		THE MENT THAT ENTRE		NOTE 1	NOTE 2	NOTE 3	NOTE 1	1.23	NOTE 4		
9+25.00	30.87	5.52	0.76	0	0	0	0	0	0		
9+50.00	31.39	12.68	85.26	29	8	40	29	50	-29		
9+75.00	35.48	14.20	94.53	31	12	83	60	154	-114		
9+78.25	36.07	0.00	95.13	4	1	11	64	168	-125		
10+18.23	32.57	0.00	101.17	0	0	0	64	0	-125		
10+25.00	31.81	13.88	126.57	8	2	29	72	36	-155		
10+50.00	34.42	12.53	63.86	31	12	88	103	146	-246		
10+75.00	0.00	5.59	0.00	16	8	30	119	184	-275		
				119	43	281					

NOTES:	
1-CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - EXPANDED ROCK) * FILL FACTOR)]
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - EXPANDED ROCK) * FILL FACTOR)]

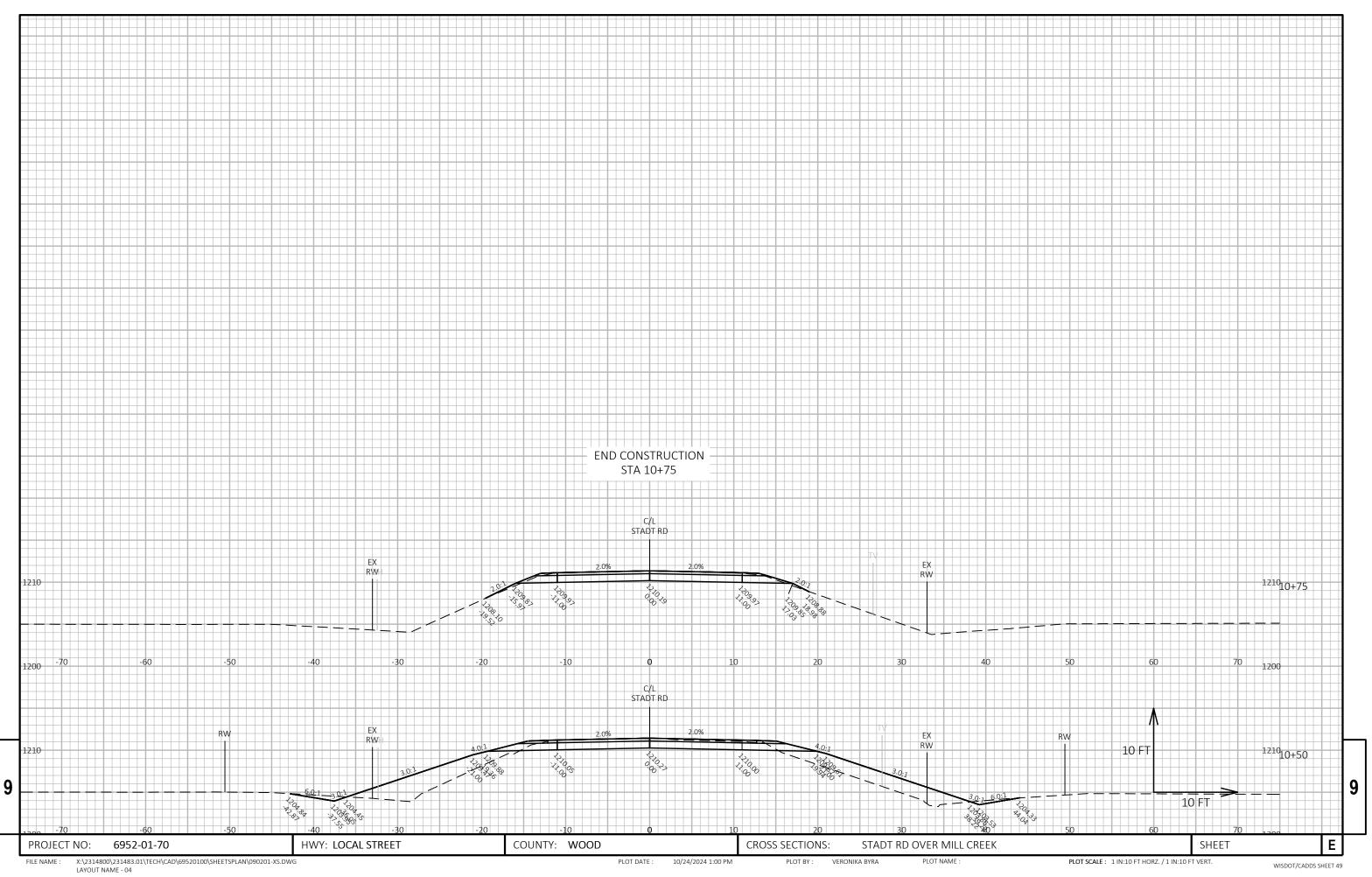
9

COUNTY: WOOD SHEET HWY: LOCAL STREET Ε PROJECT NO: 6952-01-70 EARTHWORK DATA FILE NAME : X:\2314800\231483.01\TECH\CAD\69520100\SHEETSPLAN\090101-EW.DWG LAYOUT NAME - 01 PLOT DATE : 10/17/2024 3:32 PM PLOT BY: VERONIKA BYRA PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49



EATOUT NAIVIE - 03



EATOUT NAIVIE * 04

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

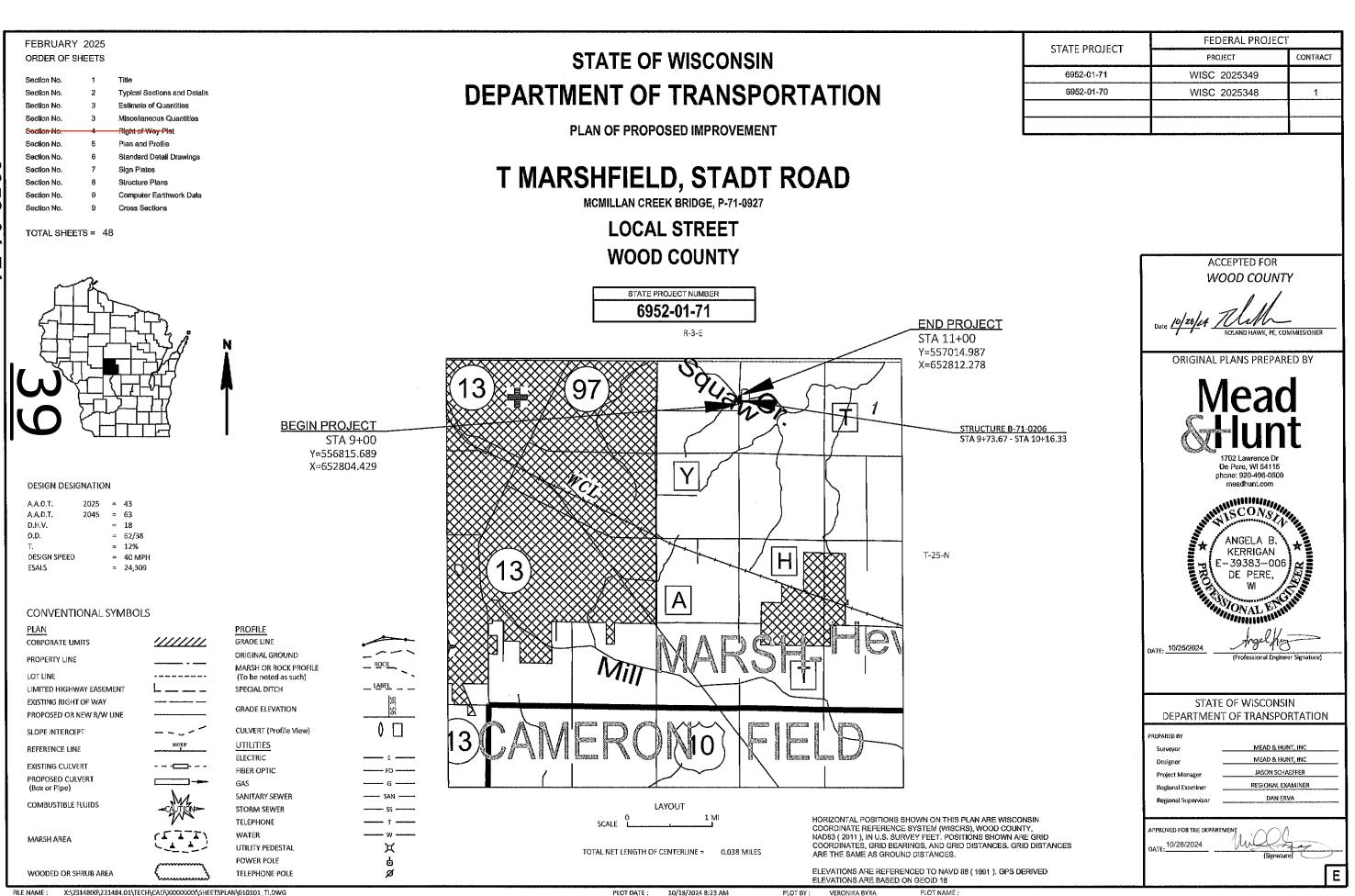
http://www.dot.wisconsin.gov

PROJECT ID: WITH: 6952-01-70

6952-01-7

COUNTY

WOOD



UTILITIES CONTACTS

MARSHFIELD UTILITIES ELECTRIC KAMREN SEEFLUTH

> 2000 S CENTRAL MARSHFIELD, WI 54449 PHONE: 715-898-2143

EMAIL: KAMREN.SEEFLUTH@MARSHFIELDUTILITIES.ORG

FRONTIER COMMUNICATIONS - NORTHERN

COMMUNICATIONS CHRIS POLLACK 521 N 4TH STREET WAUSAU, WI 54401 EMAIL: CHRISTOPHER.POLLACK@FTR.COM

PHONE: 715-847-1240

DESIGN PROJECT MANAGER

JASON SCHAEFFER, PE WISDOT NORTH CENTRAL REGION OFFICE 1681 SECOND AVE SOUTH WISCONSIN RAPIDS, WI 54495 PHONE: 715-421-7309

EMAIL: JASON.SCHAEFFER@DOT.WI.GOV

DESIGN CONSULTANT



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COUNTY HIGHWAY COMMISSIONER

ROLAND HAWK, PF WOOD COUNTY 555 17TH AVE N WISCONSIN RAPIDS, WI 54495 PHONE: 715-421-8875 EMAIL: ROLAND.HAWK@WOODCOUNTYWI.GOV

BRAD BETTHAUSER WDNR WEST CENTRAL REGION 910 STH 54 BLACK RIVER FALLS, WI 54615 PHONE: 715-213-9064 EMAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

TOWN OF MARSHFIELD

ALLEN BREU TOWN CHAIRPERSON 11075 STADT ROAD MARSHFIELD. WI 54449 PHONE: 715-387-4222

EMAIL: TOWNCHAIRPERSON@TOWNOFMARSHFIELDWI.GOV

WISCONSIN DNR LIAISON

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

GENERAL NOTES

DIRECTED BY THE ENGINEER.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND IN PLACE PRIOR TO BRIDGE REMOVAL. SILT FENCE IN WETLAND AREAS SHALL BE PLACED AT THE SLOPE INTERCEPT TO PREVENT DISTURBANCE OF WETLANDS.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

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

ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

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

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR

PAYMENT BY THE TON OR CUBIC YARD. THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS

APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS

THE VERTICAL SAWCUT SHALL BE MADE THROUGH THE EXISTING PAVEMENT AT REMOVAL LIMITS.

SAWCUTS, AS SHOWN ON THE PLANS, ARE SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

BEARINGS SHOWN ON THE PLAN ARE GROUND BEARINGS TO THE NEAREST SECOND.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

RUNOFF COEFFICIENT TABLE

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS

EROSION CONTROL TRAFFIC CONTROL

						HYDROLOGIC	SOIL GI	ROUP				
		А		В			С			D		
	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
DOW CDODG.	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
ROW CROPS:	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIANI CEDIDELIDE.	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
MEDIAN STRIPTURF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
CIDE CLODETLINE.			.25			.27			.28			.30
SIDE SLOPETURF:			.32			.34			.36			.38
PAVEMENT:		•										
ASPHALT:						.70	95					
CONCRETE:						.80	95					
BRICK:						.70	80					
DRIVES, WALKS:						.75	85					
ROOFS:	.7595											
GRAVEL ROADS, SHOULDERS:	RAVEL ROADS, SHOULDERS: .4060											

HWY: LOCAL STREET

Dial [11] or (800)242-8511 www.DiggersHotline.com

TOTAL PROJECT AREA = <u>0.303</u> ACRES

6952-01-71

PROJECT NO:

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.251 ACRES

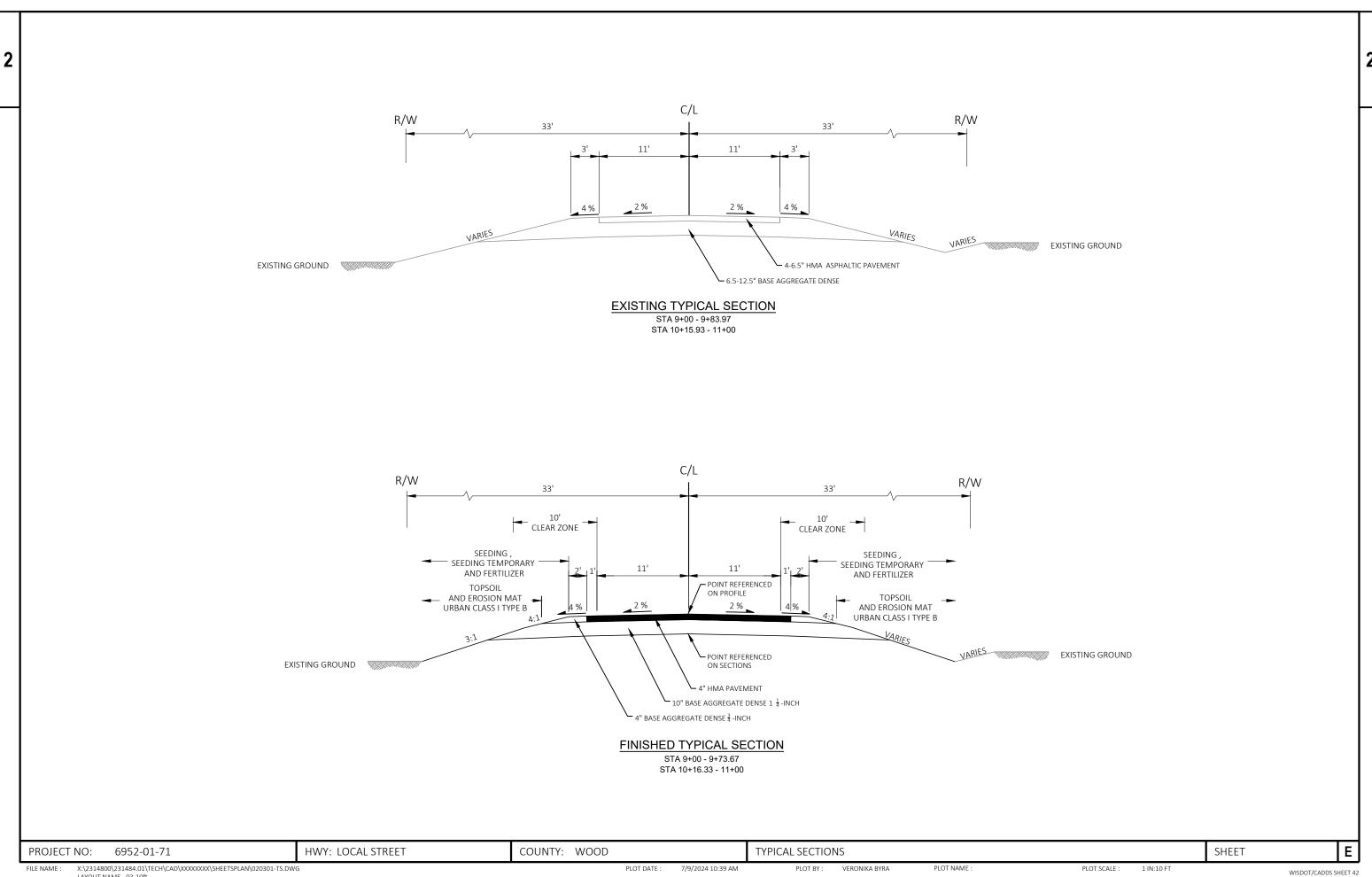
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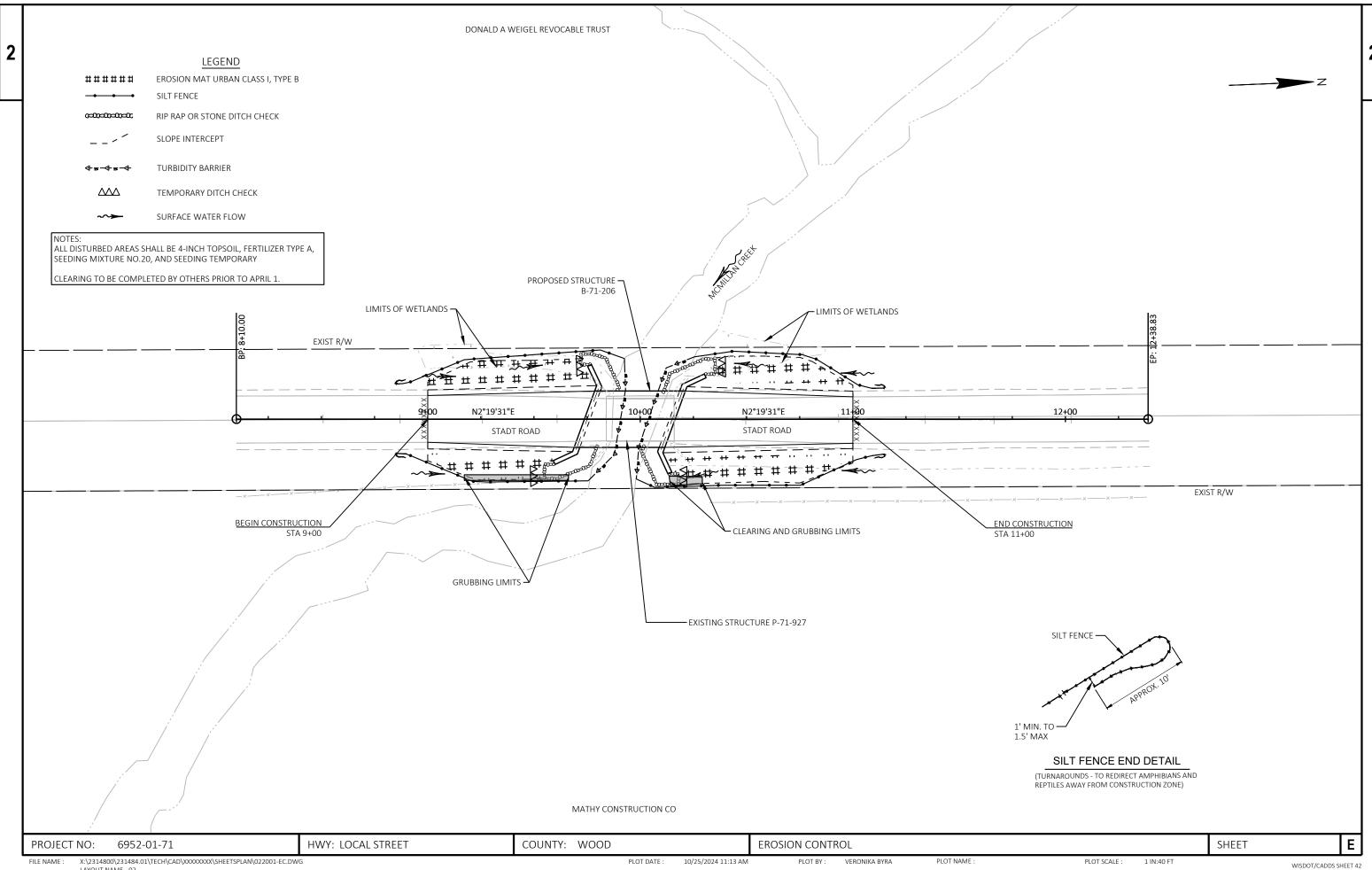
COUNTY: WOOD

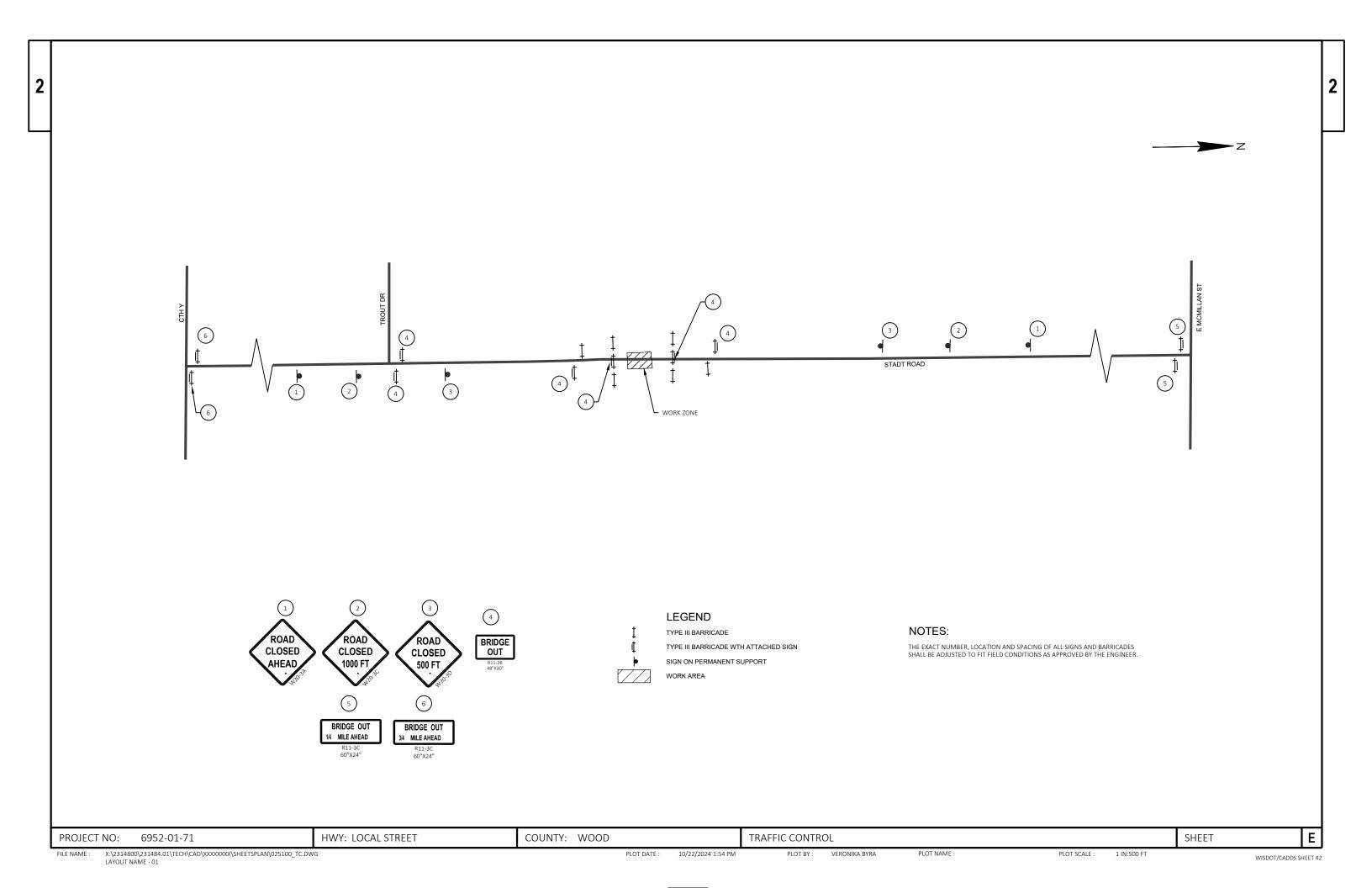
GENERAL NOTES

SHEET

X:\2314800\231484.01\TECH\CAD\XXXXXXX\SHEETSPLAN\020101-GN.DWG PLOT DATE: 8/28/2024 1:13 PM PLOT BY: ANGIE KERRIGAN PLOT NAME PLOT SCALE: WISDOT/CADDS SHEET 42







3

6952-01-71

						6952-01-71	
60 200.2009 B. Namovalno Simulane Over Velenovaly Minimal Delois (planciare) II. P-I-10027 P. V. 166.00 150.00 1.000 150.00 4 200.1010 E. Scowation On Strontine Biologie (planciare) II. P-I-10008 P. V. 160.00 150.00 1.000 150.00 2 201.010 E. Scowation On Strontine Biologie (planciare) II. P-I-10008 P. V. 160.00 150.00 1.000 150.00 2 2.101.01 E. Scowation On Strontine Biologie (planciare) II. P-I-10008 P. V. 160.00 150.00 1.000 150.00 2 2.101.01 E. Scowation On Strontine Free Asphalic Delois (planciare) II. P-I-10008 P. Proport Foundation for Asphalic Delois (planciare) II. P. 160.00 150.00 1.000 150.00 3 300.11 E. Scowation Strontine II. Post Collegies (planciare) II. P. 160.00 150.00 1.000 150.00 1.000 150.00 4 400.01 S. Scowation Strontine II. Post Collegies (planciare) II. P. 160.00 150.00 1.000 150.00 1.000 150.00 5 500.01 S. Scowation Strontine II. Post Collegies (planciare) II. P. 160.00 150.00 1.000 150.00 1.000 150.00 6 500.01 S. Scowation Strontine II. Post Collegies (planciare) II. P. 160.00 150.00 1.000 150.00 1.000 150.00 6 500.01 S. Scowation Strontine II. Post Collegies (planciare) II. P. 160.00 150.00 1.000 150.00 1.000 150.00 6 500.01 S. Scowation Strontine II. P. 160.0	.ine	Item	Item Description	Unit	Total	Qty	
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March Marc)6	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-71-0927	EACH	1.000	1.000	
20 20 20 20 20 20 20 20	8	205.0100	Excavation Common	CY	158.000	158.000	
20 20 20 20 20 20 20 20	14	206.1001	Excavation for Structures Bridges (structure) 01. B-71-0206	EACH	1.000	1.000	
8	6	208.0100		CY	69.000	69.000	
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10 10 10 10 10 10 10 10	2		· ·				
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Estimate Of	Quantities	By Plan	Sets
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6952-01-71

Page	2
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Line	Item	Item Description	Unit	Total	Qty
0120	650.6501	Construction Staking Structure Layout (structure) 01. B-71-0206	EACH	1.000	1.000
0124	650.9911	Construction Staking Supplemental Control (project) 01. 6952-01-71	EACH	1.000	1.000
0126	650.9920	Construction Staking Slope Stakes	LF	157.000	157.000
0128	690.0150	Sawing Asphalt	LF	44.000	44.000
0130	715.0502	Incentive Strength Concrete Structures	DOL	3,840.000	3,840.000
0134	999.2005.S	Maintaining Bird Deterrent System (station) 02. 10+00	EACH	1.000	1.000
0136	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0138	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000

3

WISDOT/CADDS SHEET 42

PLOT SCALE :

EXCAVATION COMMON

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (3)	AVAILABLE MATERIAL (4)	UNEXPANDED FILL	EXPANDED FILL (5) FACTOR 1.25	MASS ORDINATE +/- (6)	208.0100 BORROW
MAINLINE	9+00 - 11+00	STADT RD	158	61	97	133	166	-69	69
	TOTAL COMMO	N EXCAVATION	158					TOTAL =	69

NOTES:

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (3) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (4) AVAILABLE MATERIAL = CUT SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- (5) EXPANDED FILL FACTOR = 1.42
- (6) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

<u>GRUBBING</u>

BASE AGGREGATE DENSE

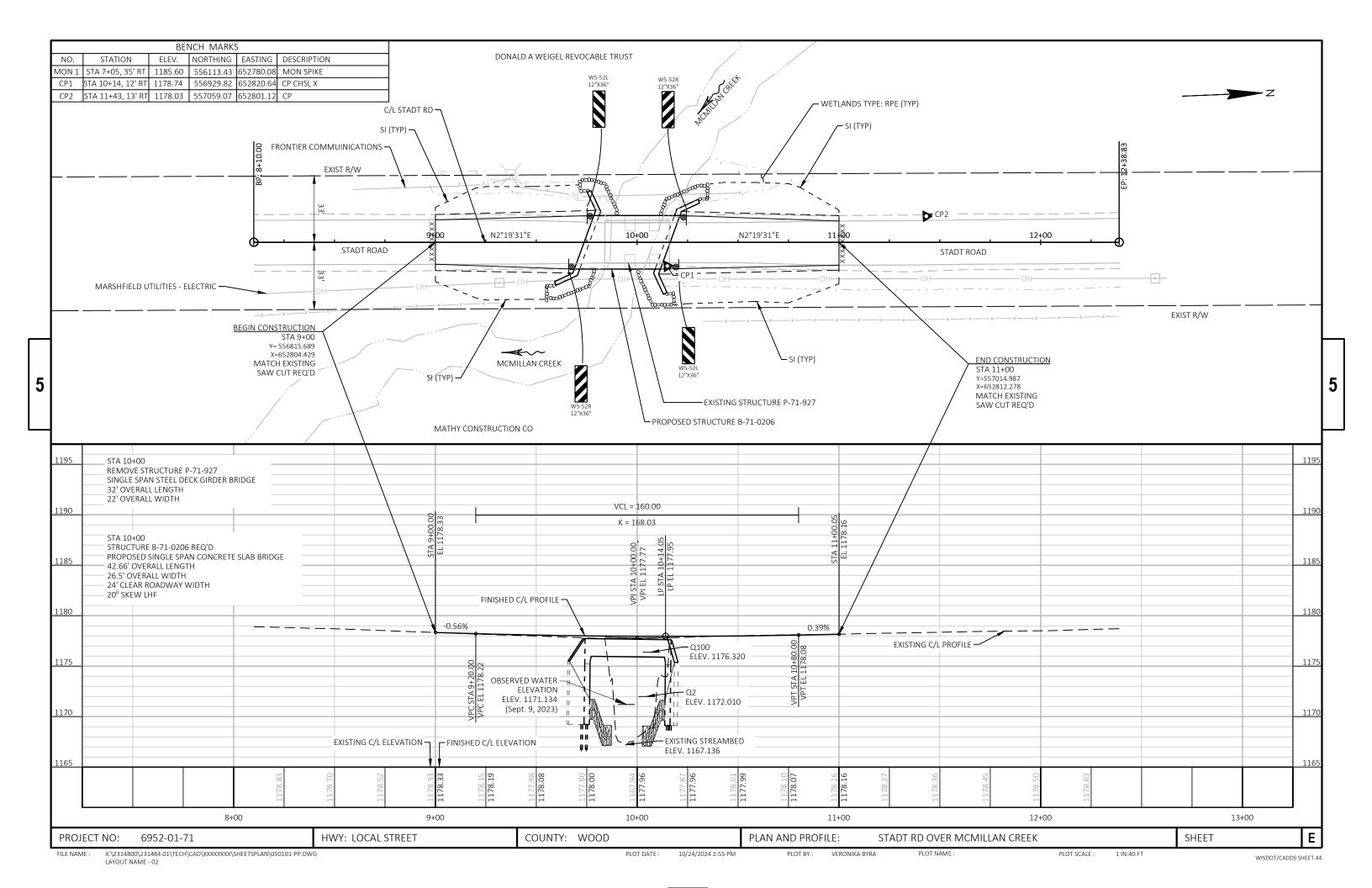
				201.0205						305.0110 3/4-INCH	305.0120 1 1/4-INCH	624.0100 WATER
STATION	TO	STATION	LOCATION	STA	<u>-</u>	STATION	ТО	STATION	LOCATION	TON	TON	MGAL
9+00	-	9+73	STADT RD, SOUTH	1		9+00	-	9+74	STADT RD, LT & RT	10	153	2
10+16	-	11+00	STADT RD, NORTH	1		10+16	-	11+00	STADT RD, LT & RT	10	187	2
					_							
			TOTAL 0010	2	_				TOTAL 0010	20	340	4

ASPHALTIC SURFACE MOBILIZATIONS EROSION CONTROL TURBIDITY BARRIERS

				455.0605 TACK COAT	465.0105		628.1905	628.1910 EMERGENCY			628.6005
STATION	ТО	STATION	LOCATION	GAL	TON	LOCATION	EACH	EACH	STATION	LOCATION	SY
9+00	-	9+74	STADT RD, NORTH	14	45	STADT ROAD	5	2	9+90 10+03	STADT RD STADT RD	95 100
10+16	-	11+00	STADT RD, NORTH	10	21	TOTAL 0010	5	2			
			TOTAL 0010	30	96					TOTAL 0010	195

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					<u>TEMPORAR</u>	RY DITCH CI	HECKS									LAND:	<u>SCAPING</u>					
			_	STATION 9+50		LOCATION STADT RD, R		8.7504 LF							625.0 TOPS	E	628.2008 EROSION MAT JRBAN CLASS I TYPE B	629.0205 FERTILIZEI TYPE A	SEEDI	ng Jre si	0.0200 EEDING 1PORARY	630.0500 SEED WATER
				9+71 10+21 10+38		STADT RD, LT STADT RD, RT STADT RD, LT	Г Г	5 10 10		STATION 9+00	TO -	STATION 9+74		OCATION TRD, LT & RT	SY 305	5	SY 305	0.2	LE 10)	LB 10	MGAL 3
$\frac{1}{1}$			_			TOTAL 0010)	30		10+16	-	11+00		TRD, LT & RT TAL 0010	640		640	0.2	20		20	7
	STAT	ION.	LOCATION	634.06 POSTS W 4X6-INC 14-F EACH	514 637 OOD CH X SIGN: T REFLE	NING 7.2230 S TYPE II ECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	remarks					STATION	I TO	STATION	<u>SILT FEN</u> LOCA		628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANC LF	Ξ	
	9+6 9+7 9+7 10+ 10+	56 77 34 10	STADT RD, LT STADT RD, RT STADT RD, LT & F STADT RD, RT STADT RD, LT & F STADT RD, LT & F	1 1 T - 1		3 3 - 3 - 3	- - 2 - 2	- - 2 - 2	W5-52L W5-52R W5-52L & W5-52F W5-52R W5-52L & W5-52F W5-52L					8+85 8+85 10+00 10+25	-	9+75 9+92 11+15 11+15	STADT STADT STADT STADT TOTAL	RD, RT RD, LT RD, RT RD, LT 0010	100 120 130 100 450	100 120 130 100 450	-	
			TOTAL 0010	4		12	4	4						643.042			TRAFFIC CO 643.0705 NG LIGHTS TYPE A	6	43.0900 SIGNS	643.5000 TRAFFIC CONTROL		
					<u>cons</u>	TRUCTION	<u>STAKING</u>					PROJEC 6952-01-		EACH 16	DAY 976		DAY 1,220	EACH 16	DAY 976	EACH 1	F	REMARKS 61 DAYS
						650.45		STRUCTURE LAYOUT (STRUCTURE) (01. B-71-	SUPPLEMENTA CONTROL (PROJECT) (01.	AL	650.9920			OTAL 0010	976	20	1,220	10	976	1		ot DAIS
-	CATEGORY	STATION	TO S	TATION	LOCATION	SUBGRA LF	DE BASE LF	0206) EACH	6952-01-71) EACH	SL	OPE STAKES.						SAWING AS	<u>PHALT</u>				
	0010 0010 0020 0010	9+00 10+16		9+73 11+00	STADT RD STADT RD STADT RD STADT RD	73 84 - -	73 84 - -	- 1 -	- - - 1		73 84 - -	_			_	STATION 9+00	LOCATI STADT I	ON	590.0150 <u>LF</u> 22			
					TOTAL	157	157	1	1		157					11+00	STADT TOTAL 0		22 44			
Р	ROJECT NO	: 6952	-01-71		HWY: l	_OCAL STRI	EET	COUN	TY: WOOD			MIS	CELLAN	NEOUS QUAN	TITIES					S	HEET	



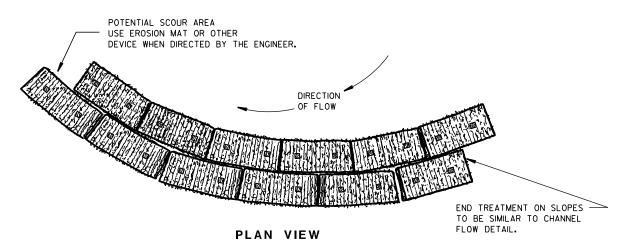
Standard Detail Drawing List

	2.000
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

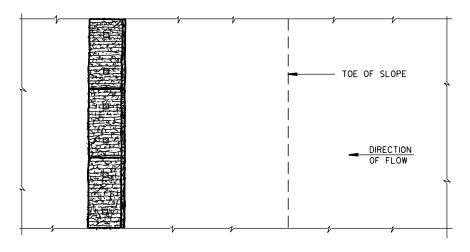
GENERAL NOTES

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

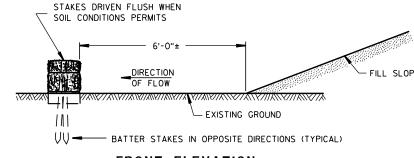
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

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



TRENCH DETAIL



SILT FENCE TIE BACK

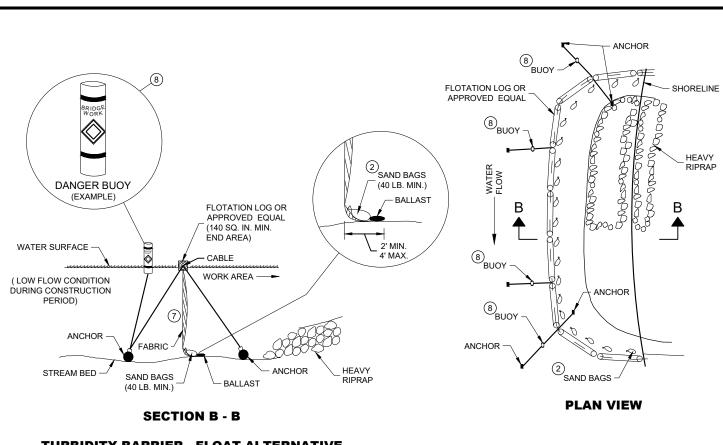
(WHEN REQUIRED BY THE ENGINEER)



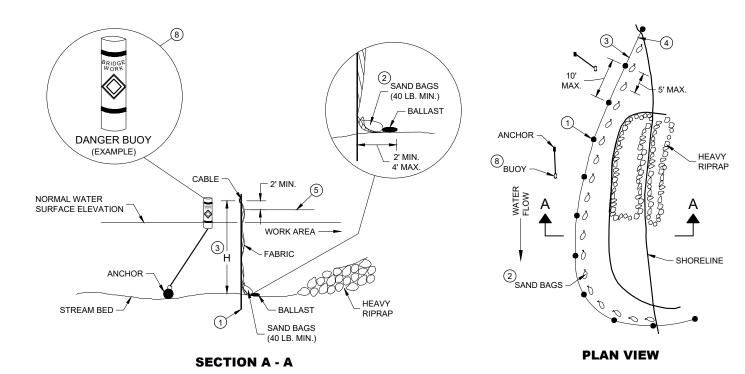
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TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

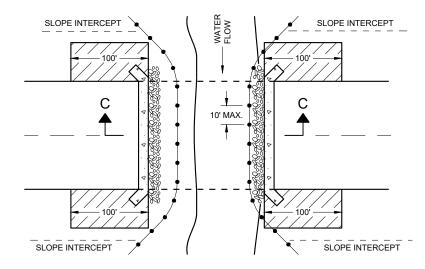
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

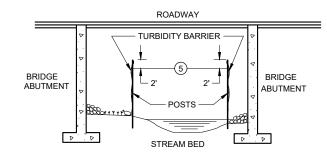
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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





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.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

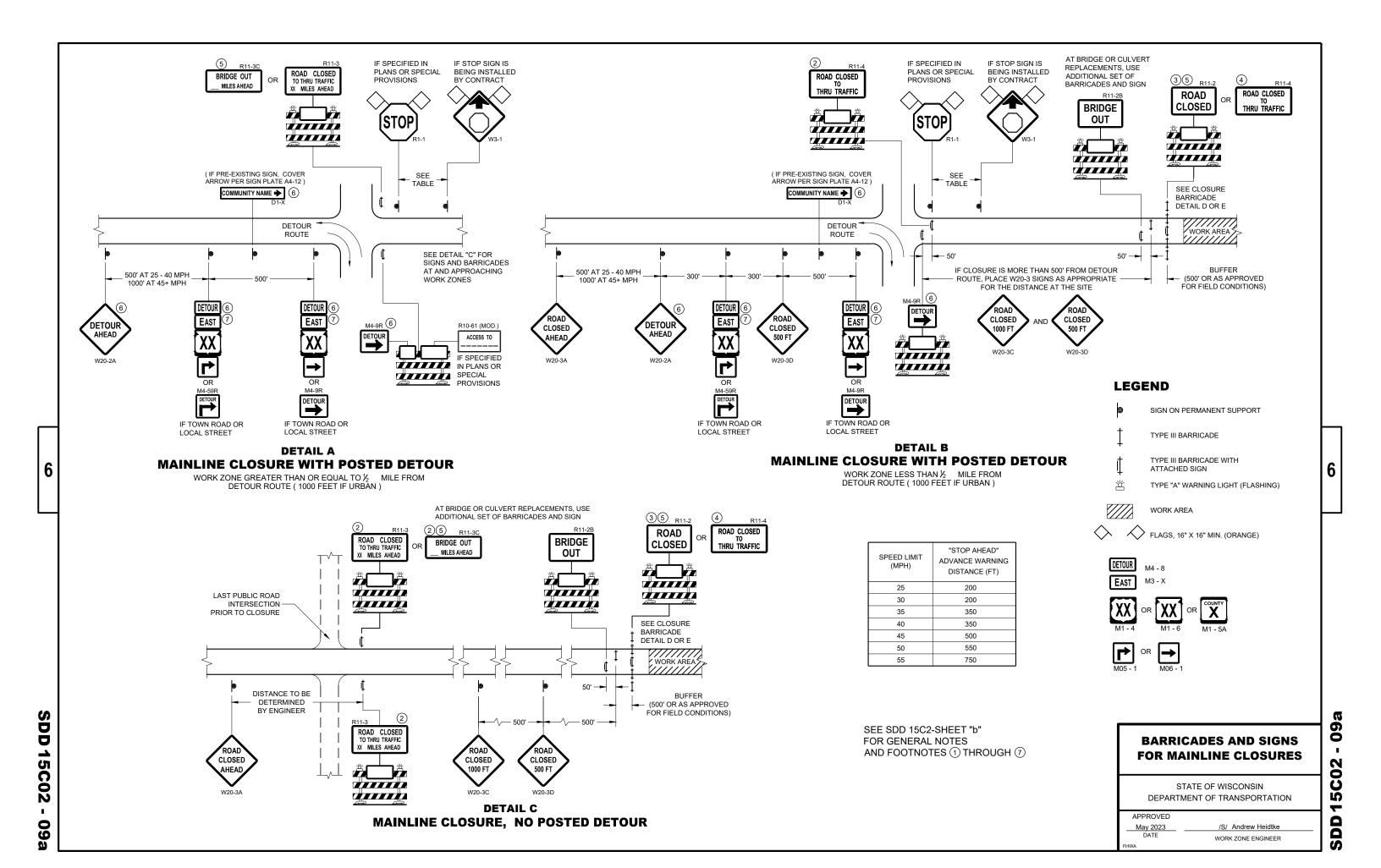
APPROVED

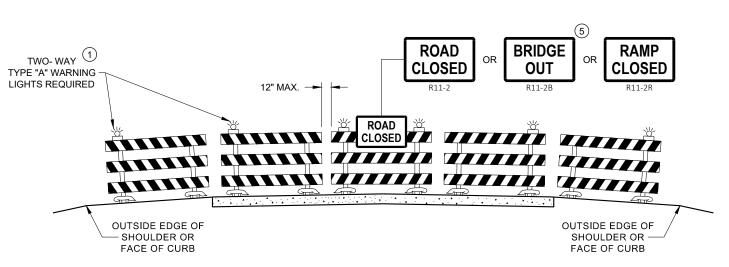
3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

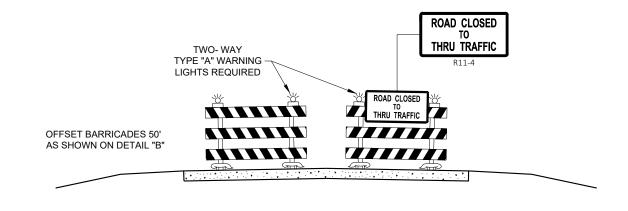
.D.D. 12 A

3-10





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"

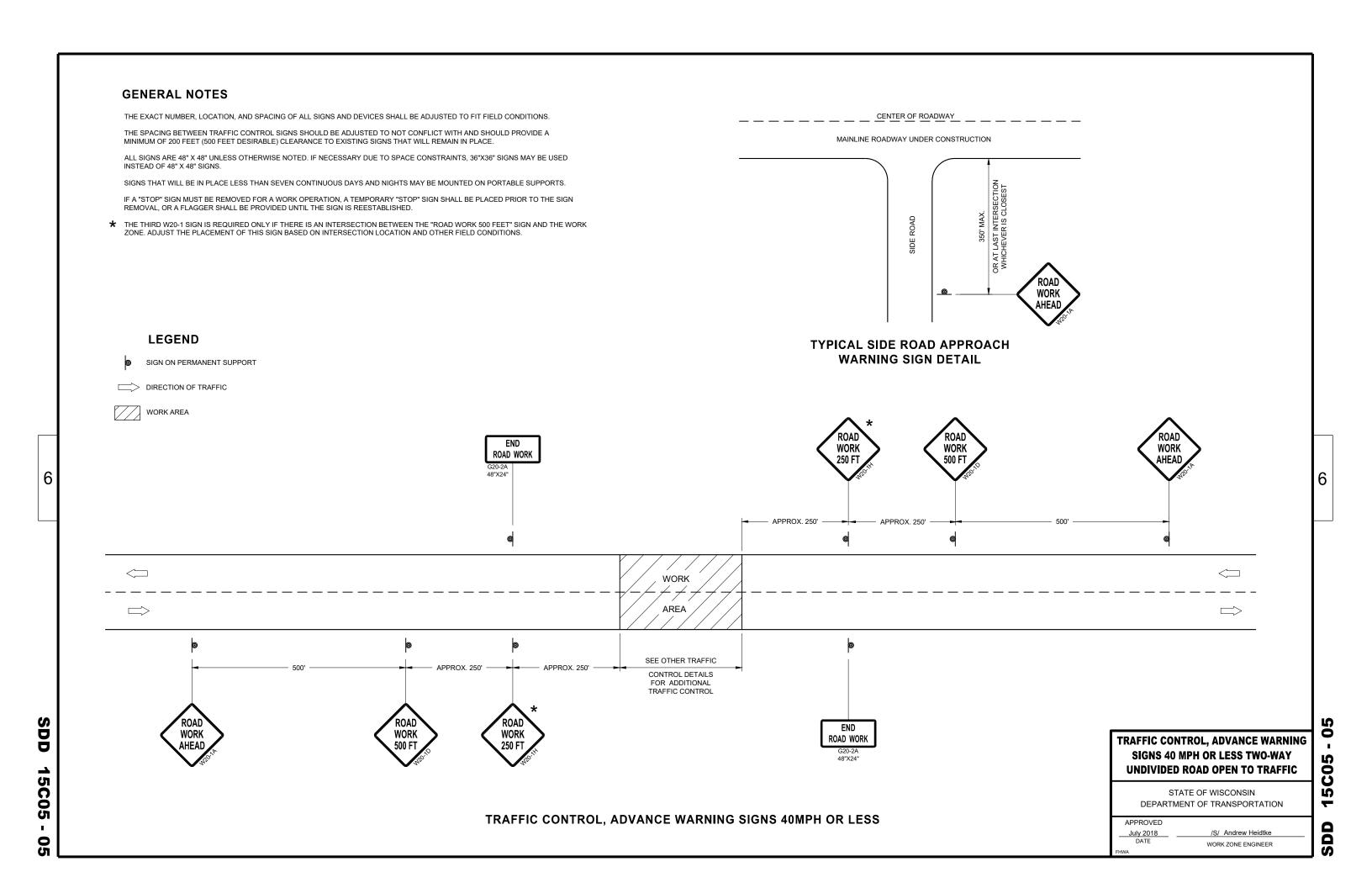
- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS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

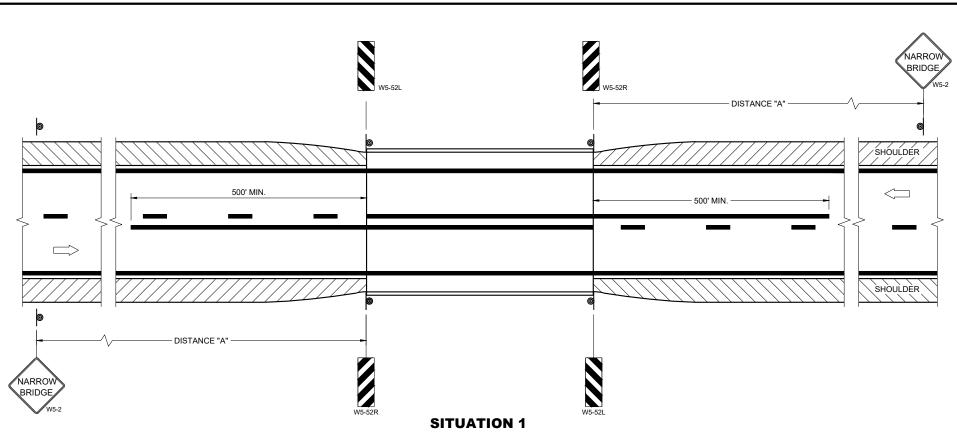
APPROVED May 2023 DATE WORK ZONE ENGINEER

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SDD 15C06-12



WARRANTING CRITERIA: BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.

OR SHOULDER SHOULDER WS-52R WS-52L

SITUATION 2

WARRANTING CRITERIA: 1. BRIDGE WIDTH IS AT LEAST 24 FEET <u>AND</u> 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

SDD

15C06-12

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

SIGNING AND MARKING FOR TWO LANE BRIDGES

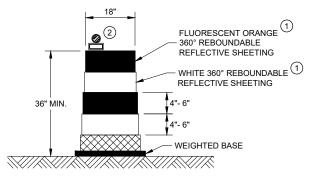
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2023	/S/ Jeannie Silver
DATE	Statewide Pavement Marking Engineer
FHWA	

SDD 15C11

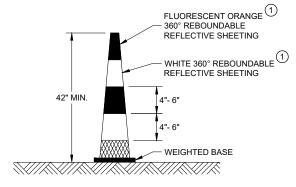
GENERAL NOTES

- (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.



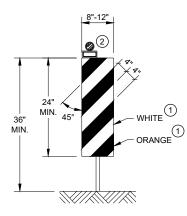
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



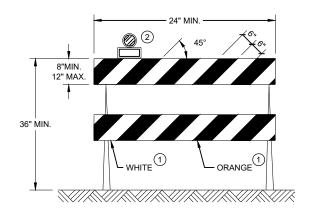
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



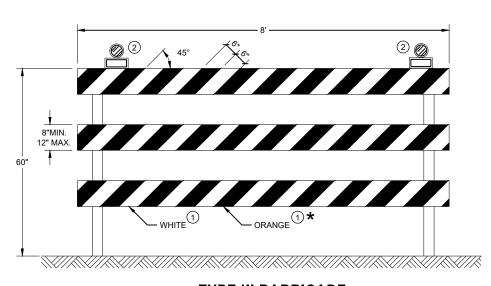
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER





RURAL AREA (See Note 2)



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 or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (\pm) 3".

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

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

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

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

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

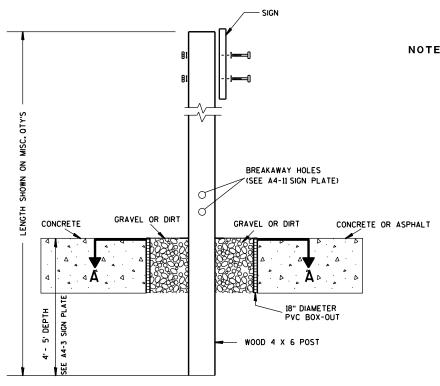
Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. __A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



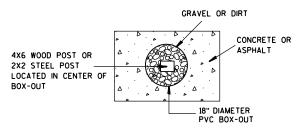
ELEVATION VIEW

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



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

HWY:



COUNTY:

PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Math

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

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

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000





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



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

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 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) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

PROJECT NO:

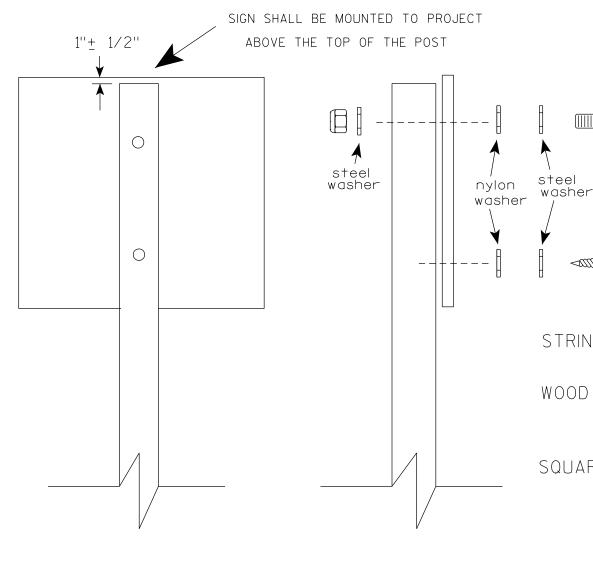
COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

PLOT SCALE: \$\$.....plotscale.....\$\$ 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 - 1/32 " (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

SHEET NO:

DATE 4/1/2020

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

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



BANDING



SINGLE SIGN





WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

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

PROJECT NO:

VIEW FROM TOP

GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

 SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $\frac{2}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

SIGN

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

NOTES

- 1. Sign is Type II Type H Reflective
- 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 —		
	G F H B F G G	
R	l1-2B	

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
2M	48	30	1 1/8	1/2	5/8	8	5	4	19 ¾	9 3/4	9 1/8																10.0
3	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
4	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0
5	48	30	1 1/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 1/8																10.0

STANDARD SIGN R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE 2/5/24 PLATE NO. R11-2B.3

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R112B.dgn

PROJECT NO:

PLOT DATE : 5-FEB 2024 2:20

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42



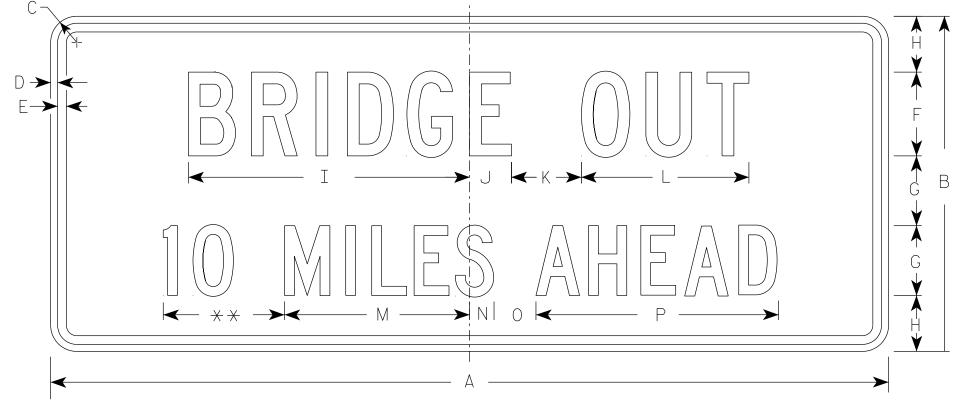
- 1. Sign is Type II Type H Reflective
- 2. Color:

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.



R11-3C

** See Note 5

SIZE Α В D Q R U 36 15 1 1/2 1/25/8 2 1/2 13 1/4 2 1/4 3 1 1/2 2 10 3/4 7 1/8 3.75 1 1/8 5/8 13 1/4 1 3/4 $17 \frac{3}{8}$ 11 1/8 10.0 60 24 1/2 5 20 1/8 3 5 12 2M 1 1/8 5/8 60 24 13 1/4 1 3/4 $17 \frac{3}{8}$ 1/2 20 1/8 3 5 12 $11 \frac{7}{8}$ 10.0 3 4

STANDARD SIGN R11-3C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Lauch
For State Traffic Engineer

DATE <u>2/5/24</u>

PLATE NO. R11-3C.4

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.dgn

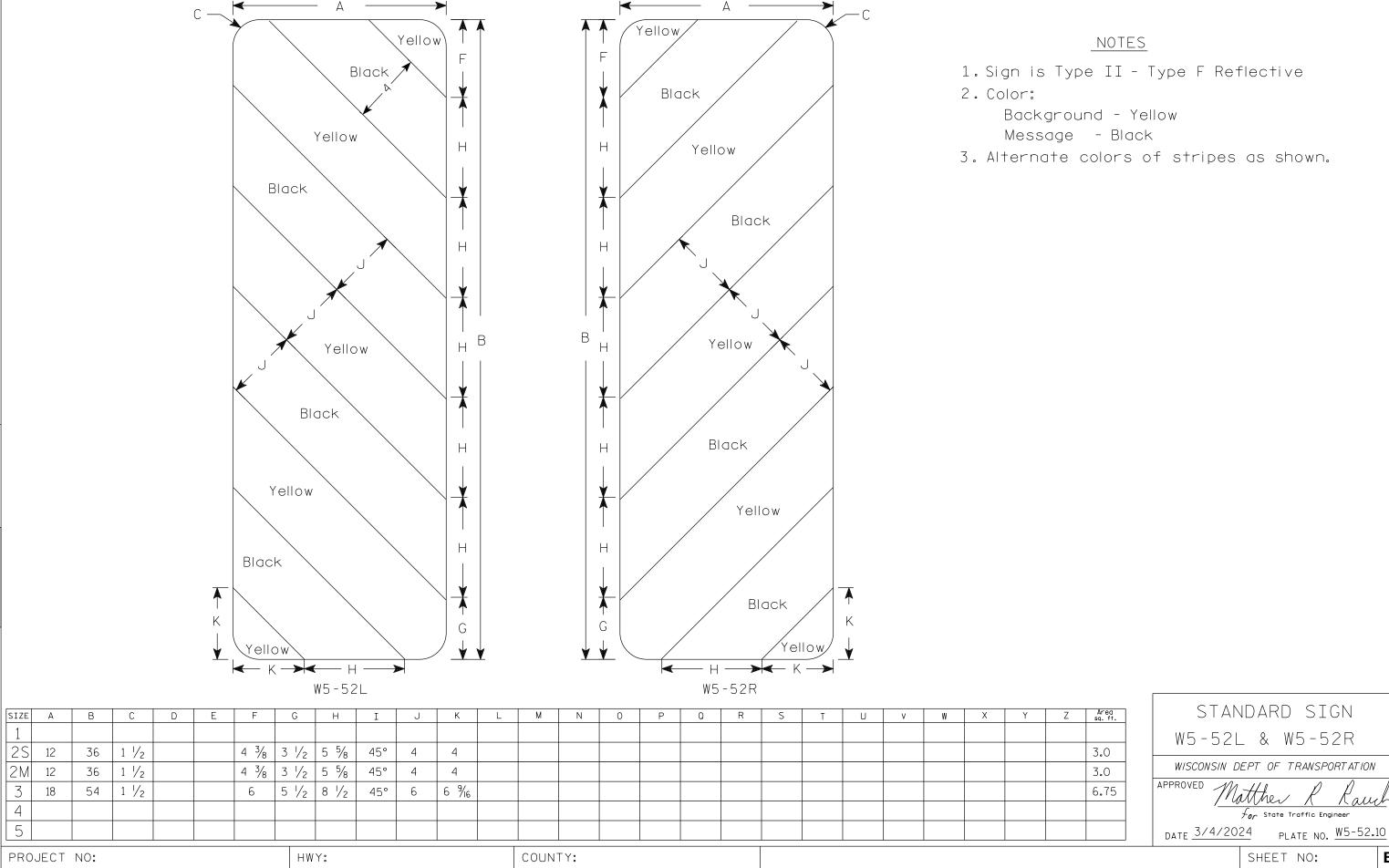
PROJECT NO:

PLOT DATE : 5-FEB 2024 2:52

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42

Ε



PLOT DATE: 4-MARCH 2024 11:57 PLOT NAME : PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42 PLOT BY : dotc4c



- 1. Sign is Type II Type F Reflective
- 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.

1
W20-3D
$\begin{array}{c c} \hline & & & \\ \hline $
W20-3B
W20-3G

W20-3A

HWY:

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 1/8	12 1/2	11	9	6	10 1/8	2 1/2	1 1/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4 1 3/4	9.0
25	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

SHEET NO:

HEET NO:

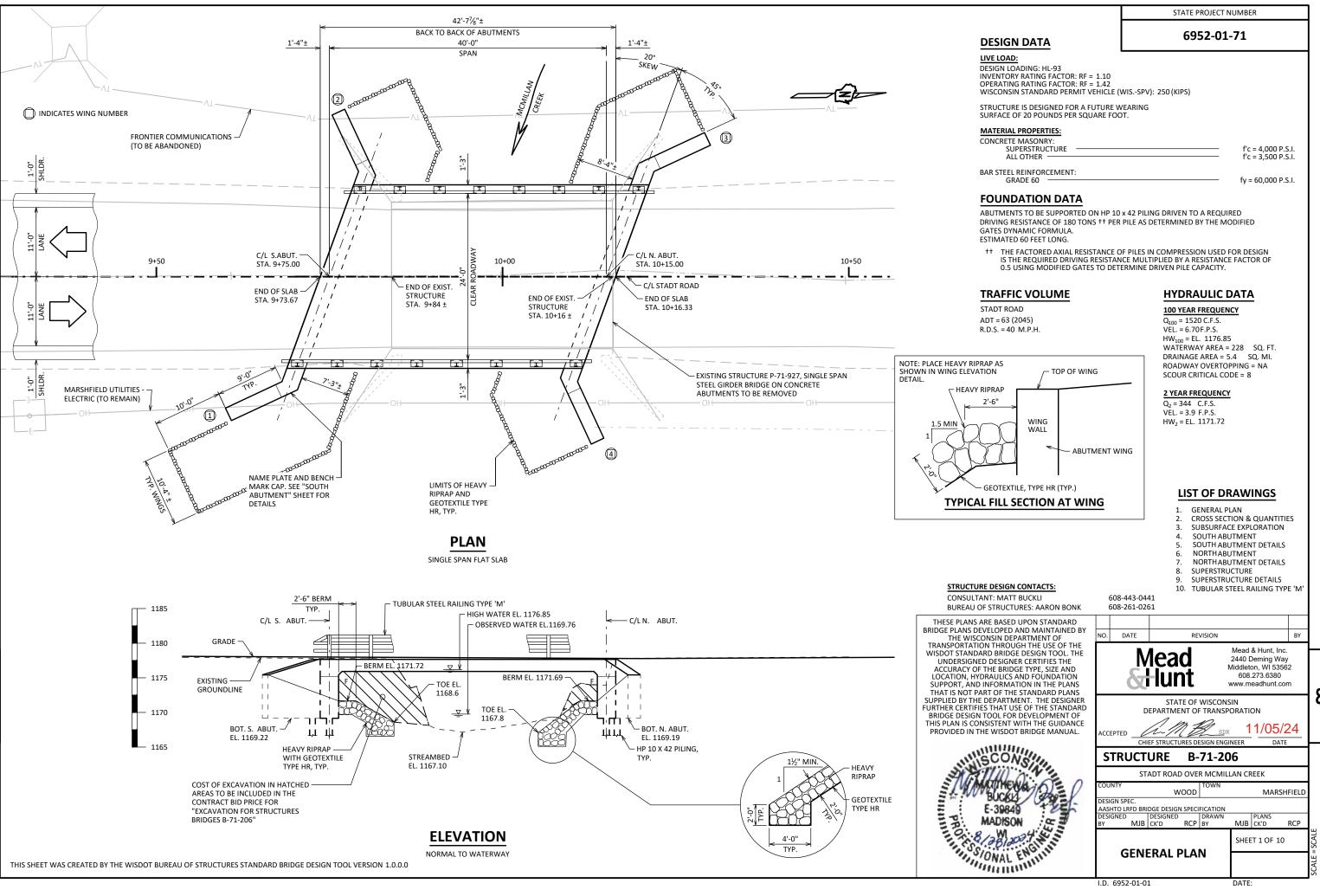
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN

PROJECT NO:

COUNTY: PLOT DATE: 10-JAN 2024 12:02

PLOT BY : dotc4c

PLOT NAME :



6952-01-71

GENERAL NOTES

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-71-206" 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.

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

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.

CROSS SECTION THRU ROADWAY

26'-6"

OUT TO OUT OF SUPERSTRUCTURE

24'-0"

CLEAR BETWEEN BARRIERS

11'-0"

LANE

TOP OF BERM

C/L STADT RD

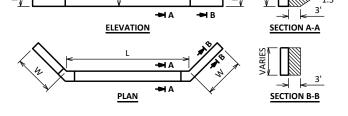
11'-0"

LANE

2.0 %

POINT REFERRED TO ON PROFILE GRADE LINE

> LOOKING UPSTATION (PILING NOT SHOWN FOR CLARITY)

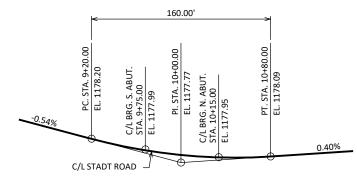


ABUTMENT BACKFILL DIAGRAM

- = 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)
- $V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)$
- $V_{CY} = V_{CF}(EF)/27$

TOP OF

PAVEMENT



PROFILE GRADE LINE

PROTECTIVE SURFACE TREATMENT LIMITS

1'-3"

1'-0"

SHLD.

BOTTOM OF ABUTMENT

TUBULAR STEEL RAILING TYPE 'M'

PROTECTIVE SURFACE TREATMENT DETAILS

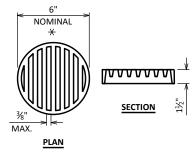
- BRIDGE ROADWAY **SUPERSTRUCTURE PAVEMENT** - ABUTMENT - ROADWAY SUBSURFACE BACKFACE PAY LIMITS OF BACKFILL 🗘 BACKFILL STRUCTURE TYPE A - "GEOTEXTILE TYPE DF SCHEDULE A" LIMITS. EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT FOR THE ENTIRE ABUTMENT BODY LENGTH

TYPICAL SECTION THRU ABUTMENT

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND 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 UNDERDRAIN.

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
CP1	10+14, 12' RT	CHISELED X IN WINGWALL	1178.74
CP2	11+43, 13' LT	CONTROL POINT	1178.03

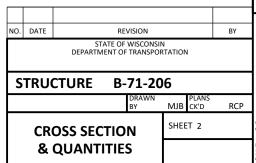


RODENT SHIELD DETAIL

★ 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 UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIFLD 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.



TOTAL ESTIMATED QUANTITIES

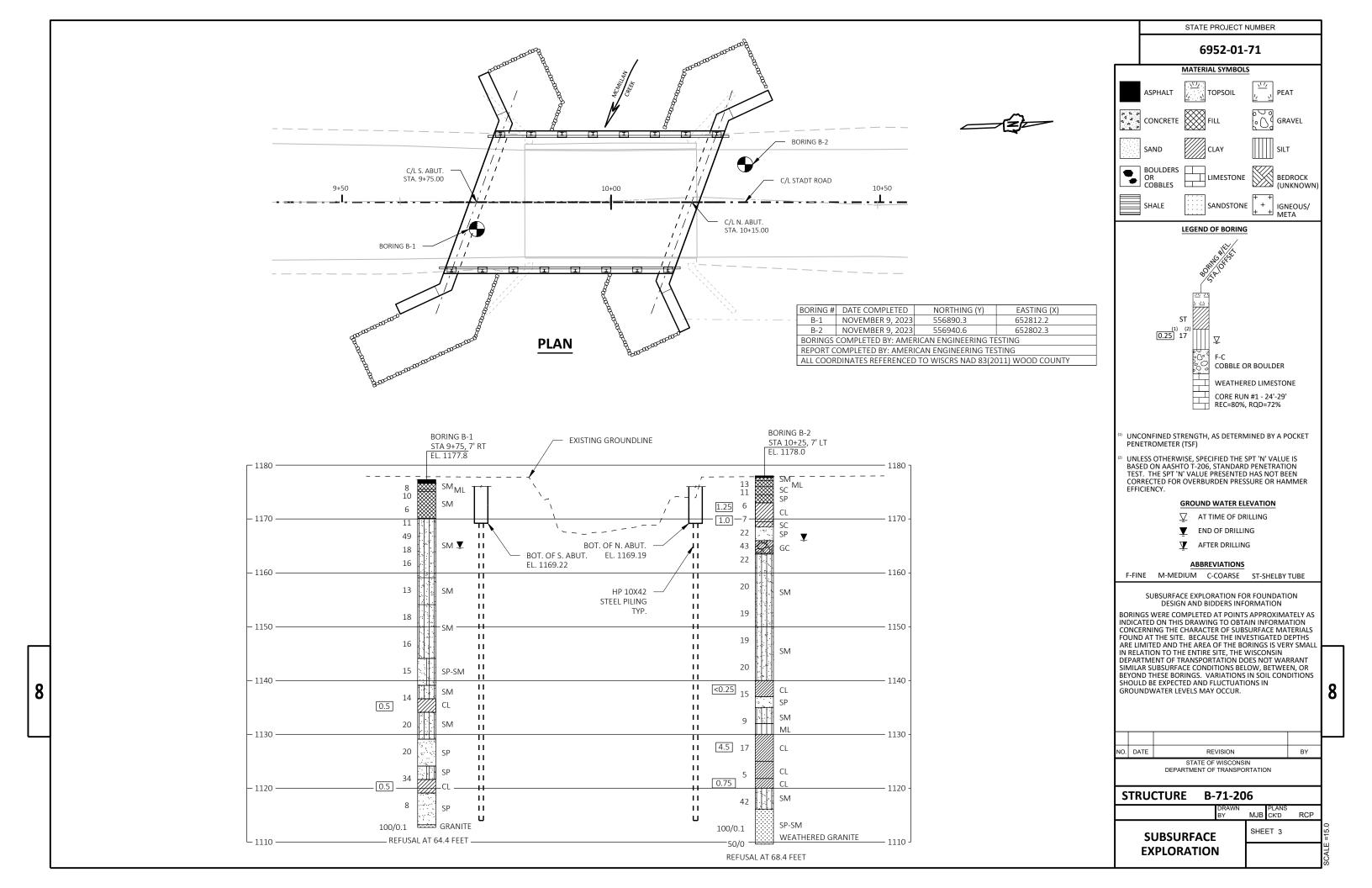
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	S. ABUT.	N. ABUT.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS P-71-927	EACH				1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-71-206	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON		187	187	374
502.0100	CONCRETE MASONRY BRIDGES	CY	77	31	31	139
502.3200	PROTECTIVE SURFACE TREATMENT	SY	148	17	17	182
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		2,170	2,170	4,340
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,170	1,550	1,550	19,270
513.4061	RAILING TUBULAR TYPE M	LF	90			90
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		6	6	12
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		420	420	840
606.0300	RIPRAP HEAVY	CY		54	50	104
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		70	70	140
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		44	44	88
645.0120	GEOTEXTILE TYPE HR	SY		127	118	245
	NON-BID ITEMS					
	FILLER	SIZE				1/2", 3/4"

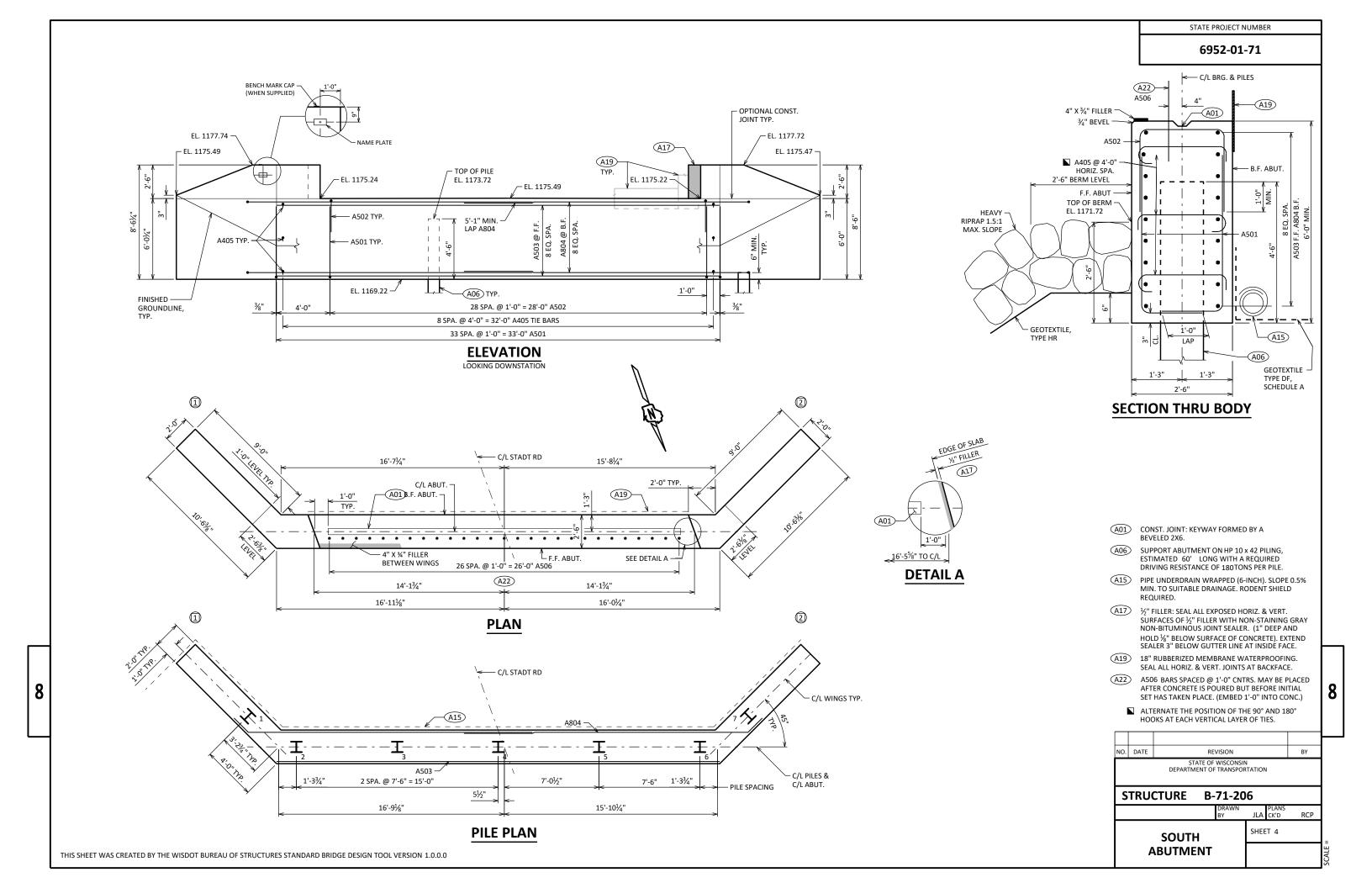
1'-3"

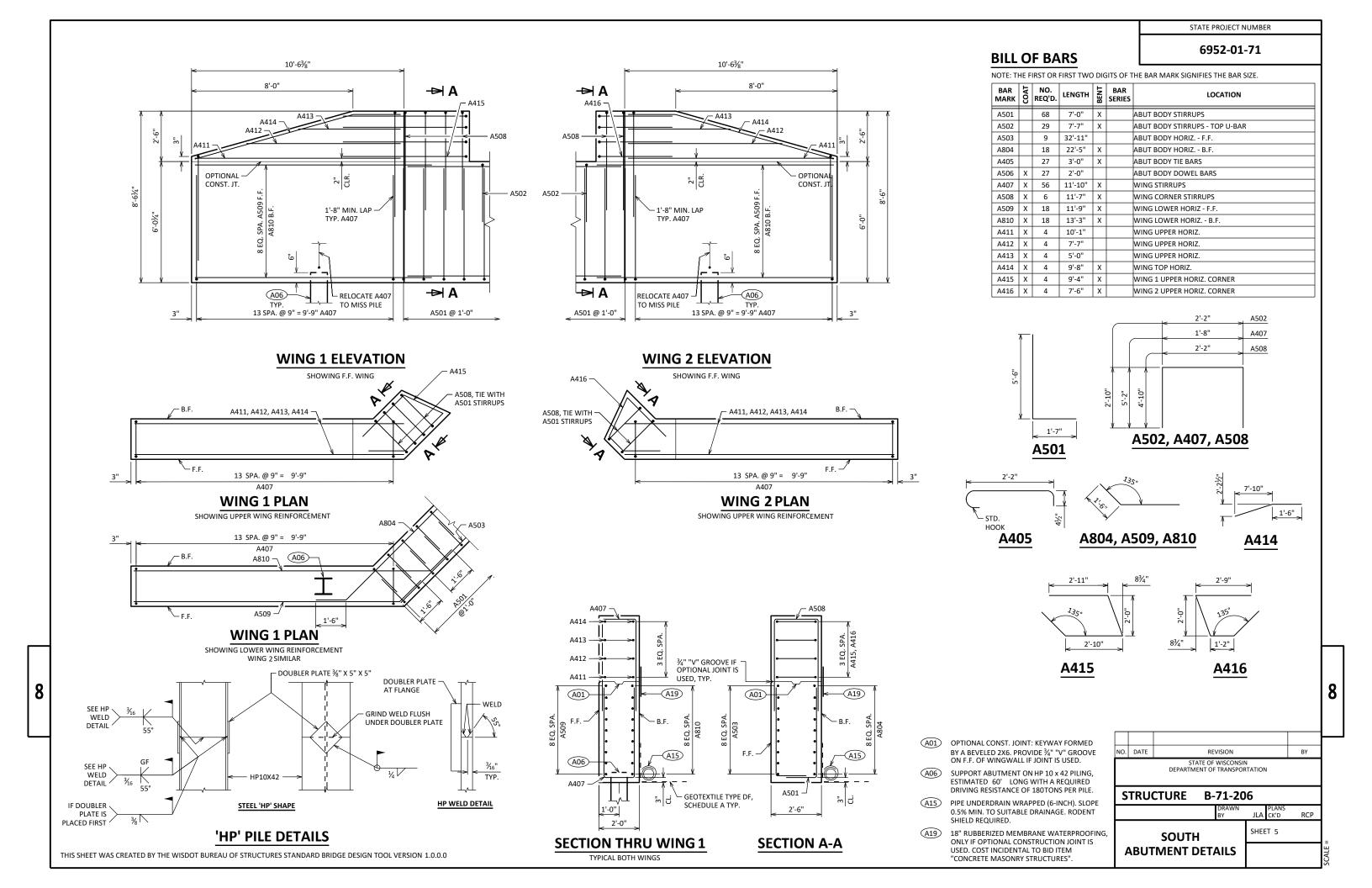
1'-0"

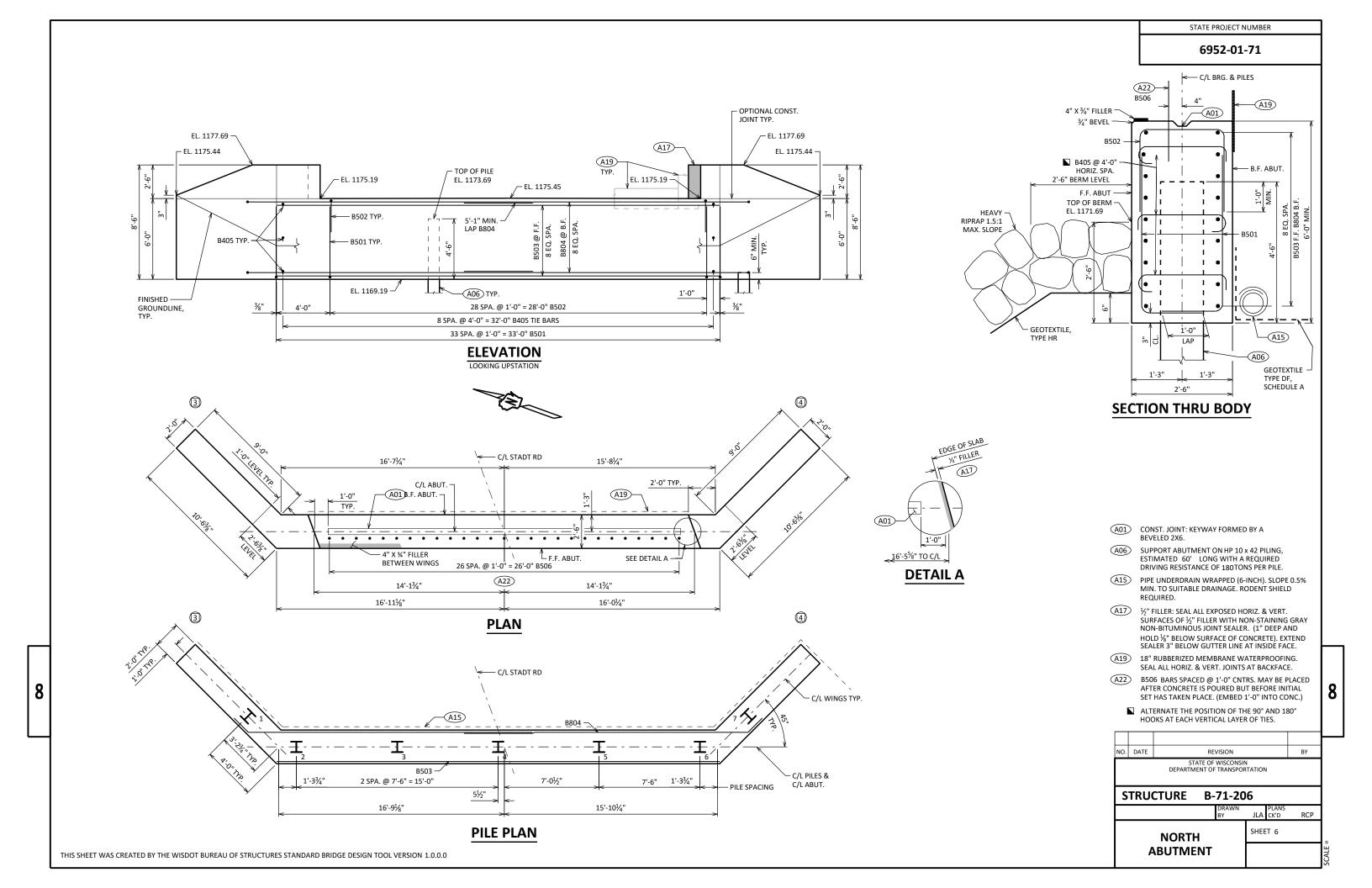
SHLD.

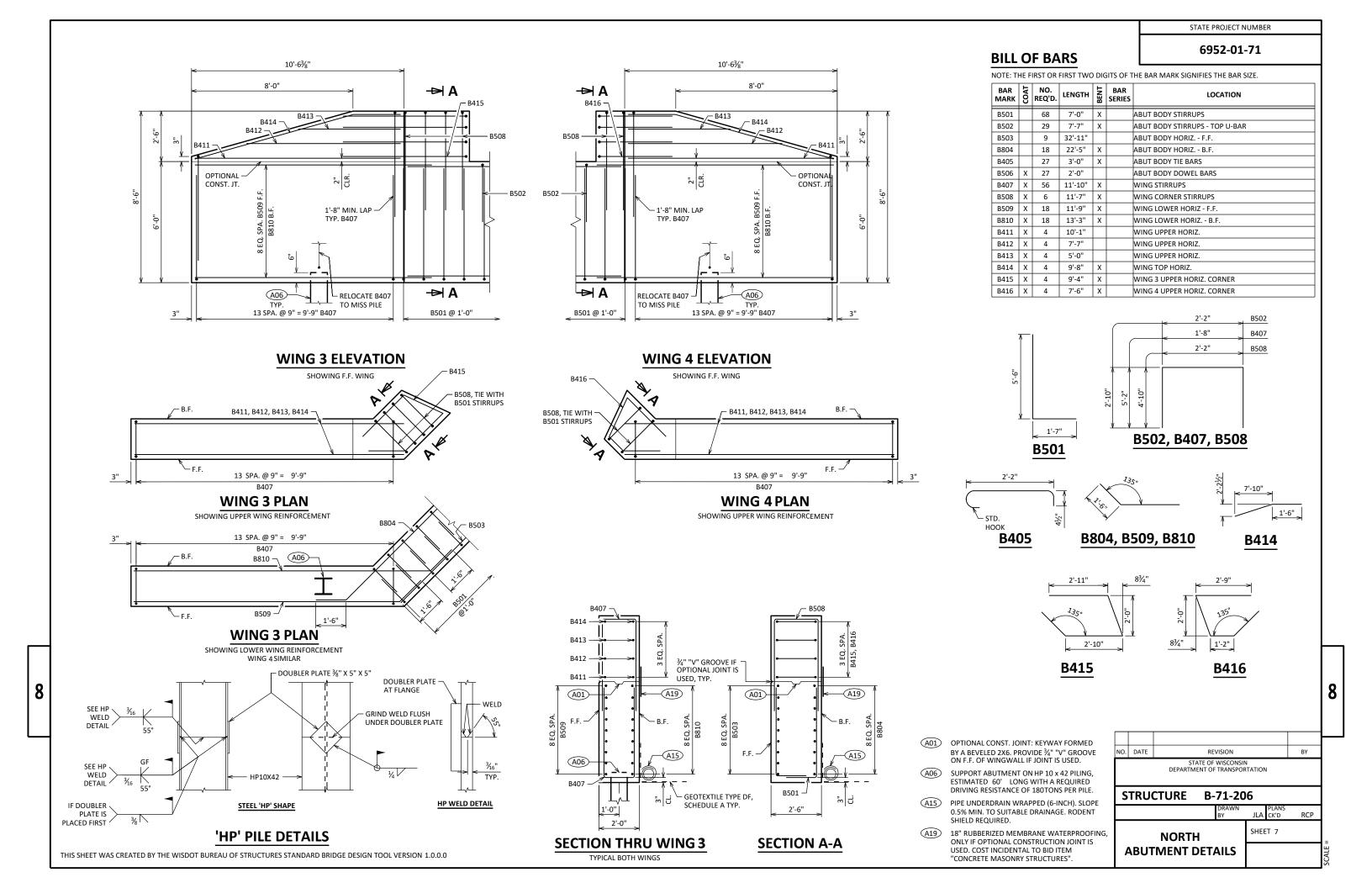
THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

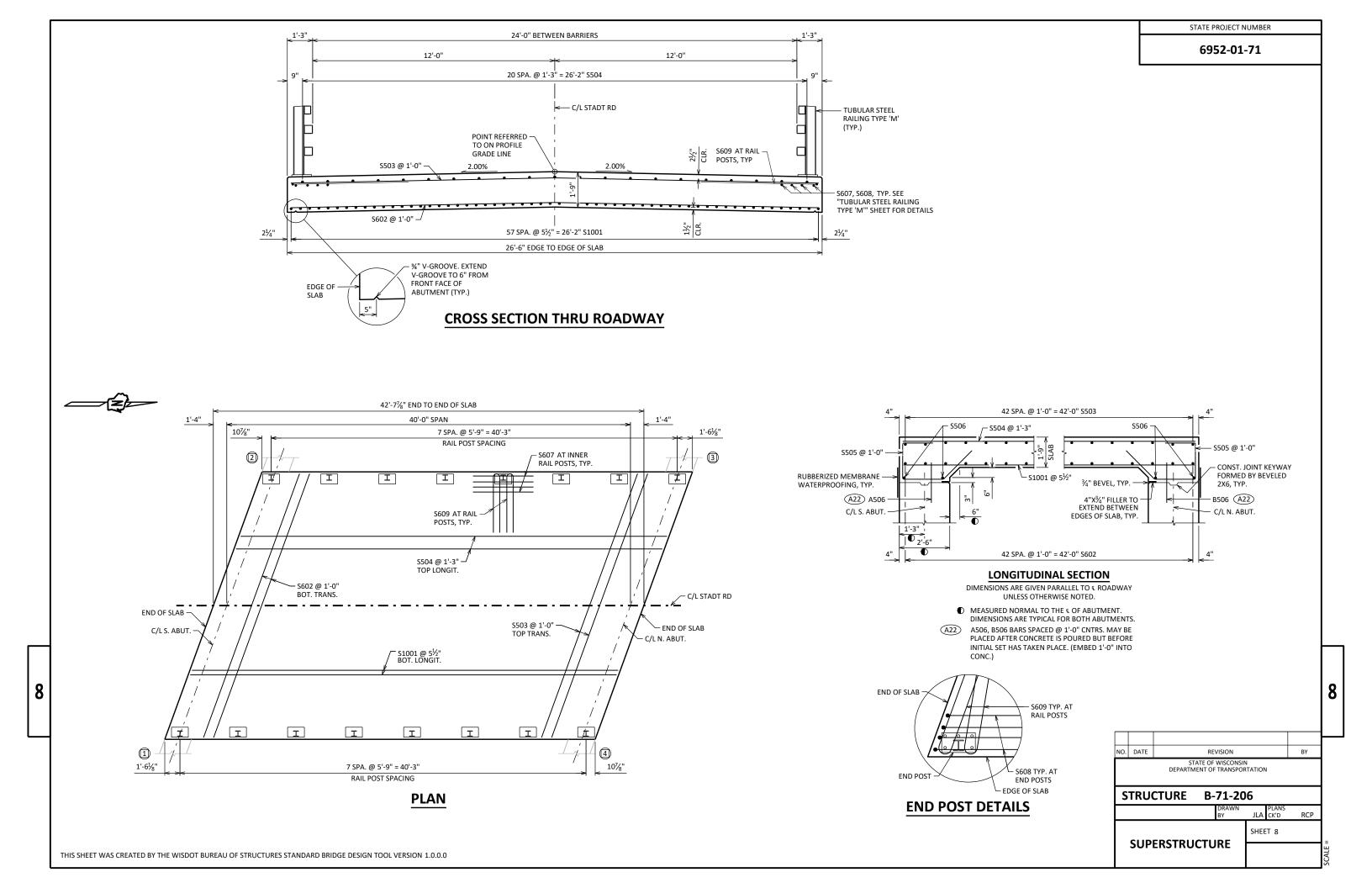












CAMBER AND SLAB THICKNESS DIAGRAM

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 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

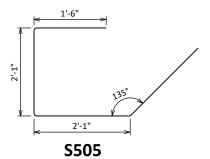
LESS SLAB THICKNESS

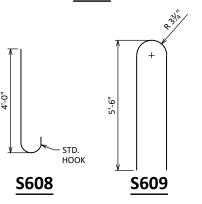
PLUS CAMBER

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

TOP OF SLAB ELEVATIONS

LOCATION	C/L BRG. S. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L BRG. N. ABUT.
W. EDGE OF DECK	1177.72	1177.71	1177.70	1177.70	1177.69	1177.69	1177.69	1177.69	1177.69	1177.69	1177.69
CROWN OR R/L	1177.99	1177.98	1177.98	1177.97	1177.96	1177.96	1177.96	1177.95	1177.95	1177.95	1177.95
E. EDGE OF DECK	1177.74	1177.73	1177.72	1177.71	1177.71	1177.70	1177.70	1177.69	1177.69	1177.69	1177.69





STATE PROJECT NUMBER

6952-01-71

BILL OF BARS

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

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S1001	Х	58	42'-3"			SLAB BOTTOM LONGITUDINAL
S602	Х	43	27'-10"			SLAB BOTTOM TRANSVERSE
S503	Х	43	27'-10"			SLAB TOP TRANSVERSE
S504	Х	21	42'-3"			SLAB TOP LONGITUDINAL
S505	Х	54	7'-5"	Х		ABUTMENT DIAPHRAGM STIRRUPS
S506	Х	4	27'-10"			ABUTMENT DIAPHRAGM LONGITUDINAL
S607	Х	48	6'-0"			SLAB TOP LONGIT. UNDER RAIL POSTS
S608	Х	16	4'-8"	Х		SLAB TOP LONGIT. UNDER RAIL END POSTS
S609	Х	32	11'-5"	Х		SLAB TOP HOOKS UNDER RAIL POSTS

SURVEY TOP OF SLAB ELEVATIONS

LOCATION	ABUTMENT	5/10 PT.	ABUTMENT
W. GUTTER			
CROWN OR R/L			
E. GUTTER			

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

NOTES

FILL IN THE TABLE OF "SURVEY TOP OF SLAB ELEVATIONS" FOR EACH SPAN ON AS BUILT PLANS.

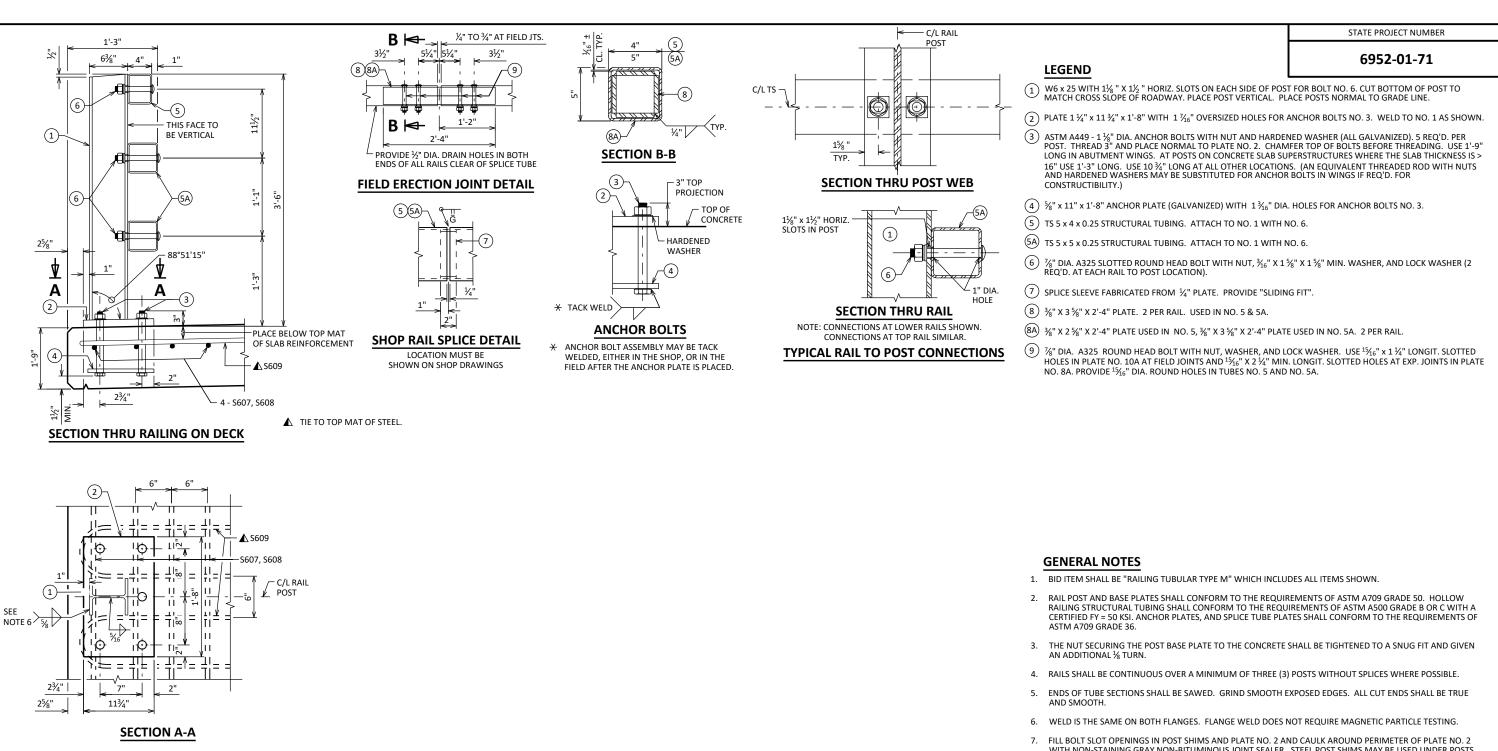
TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

						ı		
						H		
NO.	DATE	BY						
STRUCTURE B-71-206								
			DRAWN BY	JLA CK'D	RCP			
SUPERSTRUCTURE SHEET 9						l.		
		DETAILS		_	- <u>-</u> -			

8

8



TIT'

5½"

2"

5½"

1¾4"

FIELD CLIP

AS REQ'D.

1¾6" THK.

ANCHOR PLATE

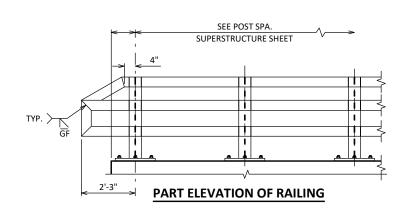
AT RAIL TO DECK CONNECTION

AND THE STATE AT RAIL TO DECK CONNECTION

AND THE STATE AT RAIL TO DECK CONNECTION

POST SHIM

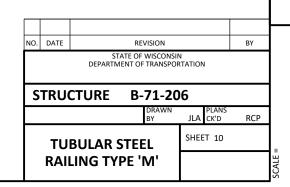
DETAIL



FILL BOLT SLOT OPENINGS IN POST SHIMS AND PLATE NO. 2 AND CAULK AROUND PERIMETER OF PLATE NO. 2
WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. STEEL POST SHIMS MAY BE USED UNDER POSTS
WHERE REQ'D. FOR ALIGNMENT.

8. POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

9. ALL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS & STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING BY SSPC SPECIFICATIONS.



THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.0.0.0

8

STADT RD

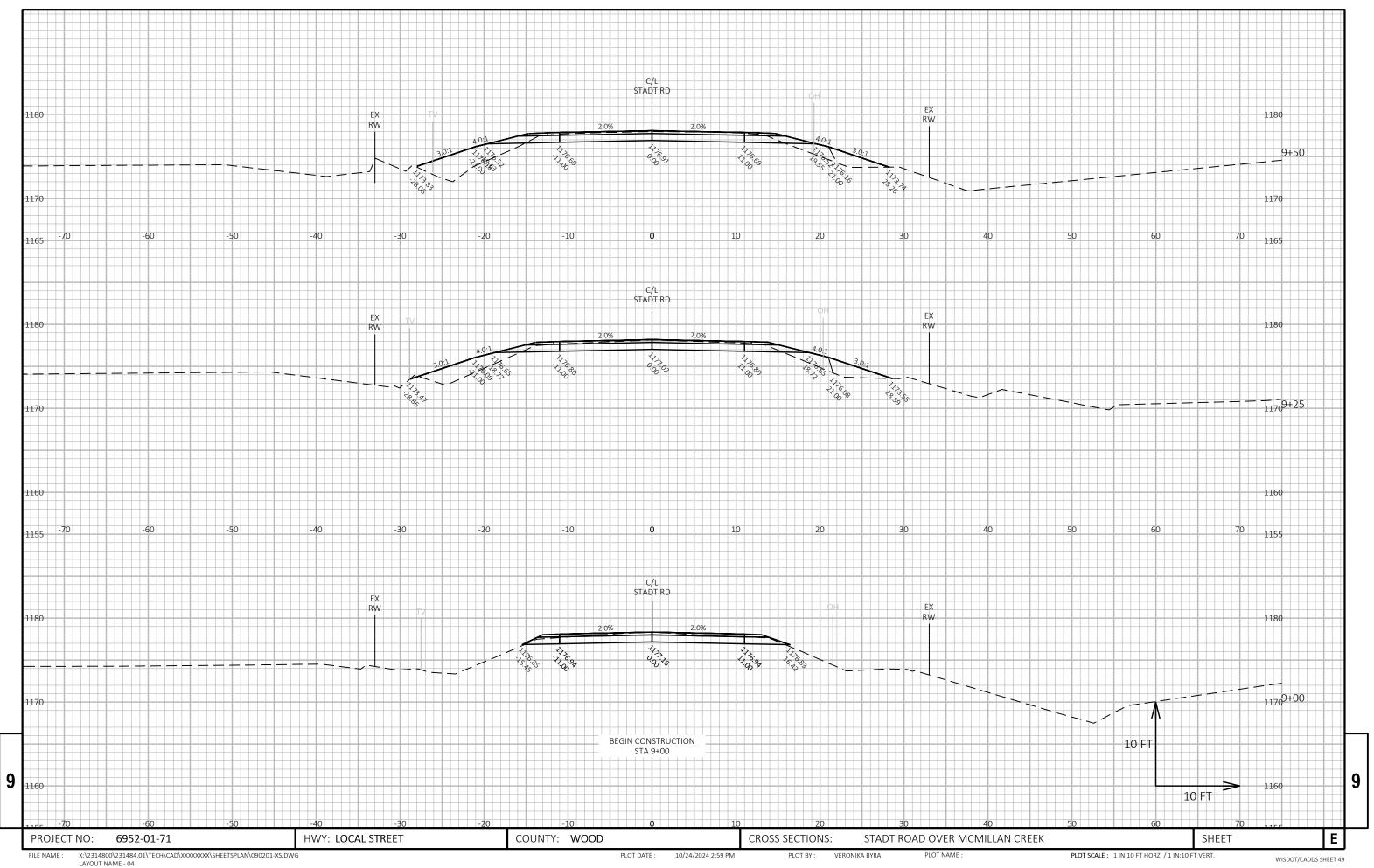
	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	сит	SALVAGED/UNUSABLE	FILL	СИТ	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
		PAVEMENT MATERIAL		NOTE 4	NOTE 2	NOTE 2	1.00	1.25	NOTE 4
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 4
9+00.00	26.83	11.00	0.53	0	0	0	0	0	0
9+25.00	28.76	11.77	28.13	26	11	13	26	16	-1
9+50.00	30.05	12.53	36.91	27	11	30	53	54	-23
9+75.00	12.90	4.75	8.88	20	8	21	73	80	-37
10+24.41	0.00	13.05	0.00	0	0	0	73	80	-37
10+25.00	29.32	13.04	55.63	0	0	1	73	81	-38
10+50.00	32.00	12.33	26.72	28	12	38	101	129	-70
10+75.00	31.32	11.63	22.00	29	11	23	130	158	-81
11+00.00	28.49	5.27	1.56	28	8	11	158	171	-74
				158	61	137			

NOTES:	
1-CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
4 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]
4- MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - EXPANDED ROCK) * FILL FACTOR)]
4 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - EXPANDED ROCK) * FILL FACTOR)]

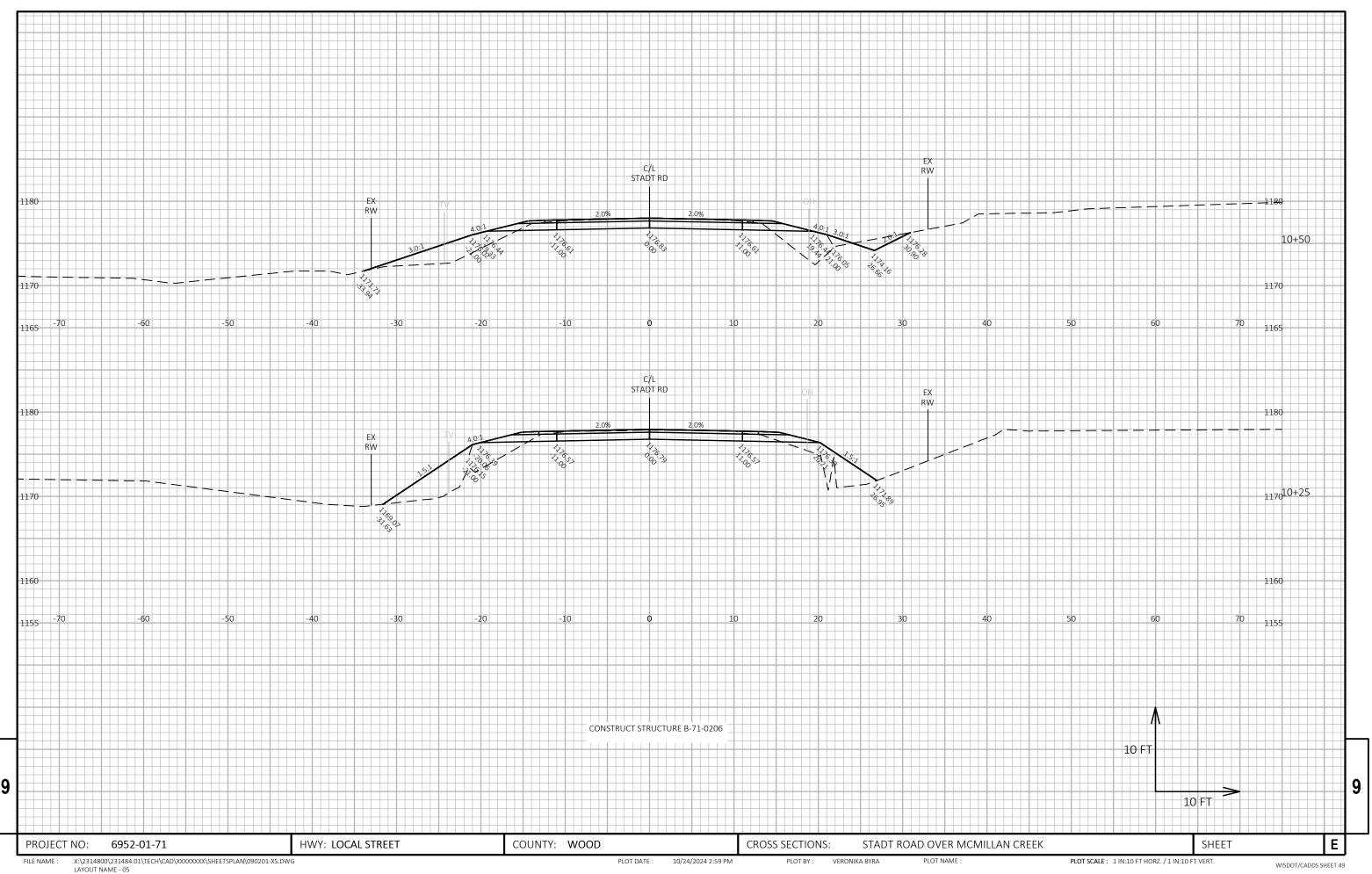
9

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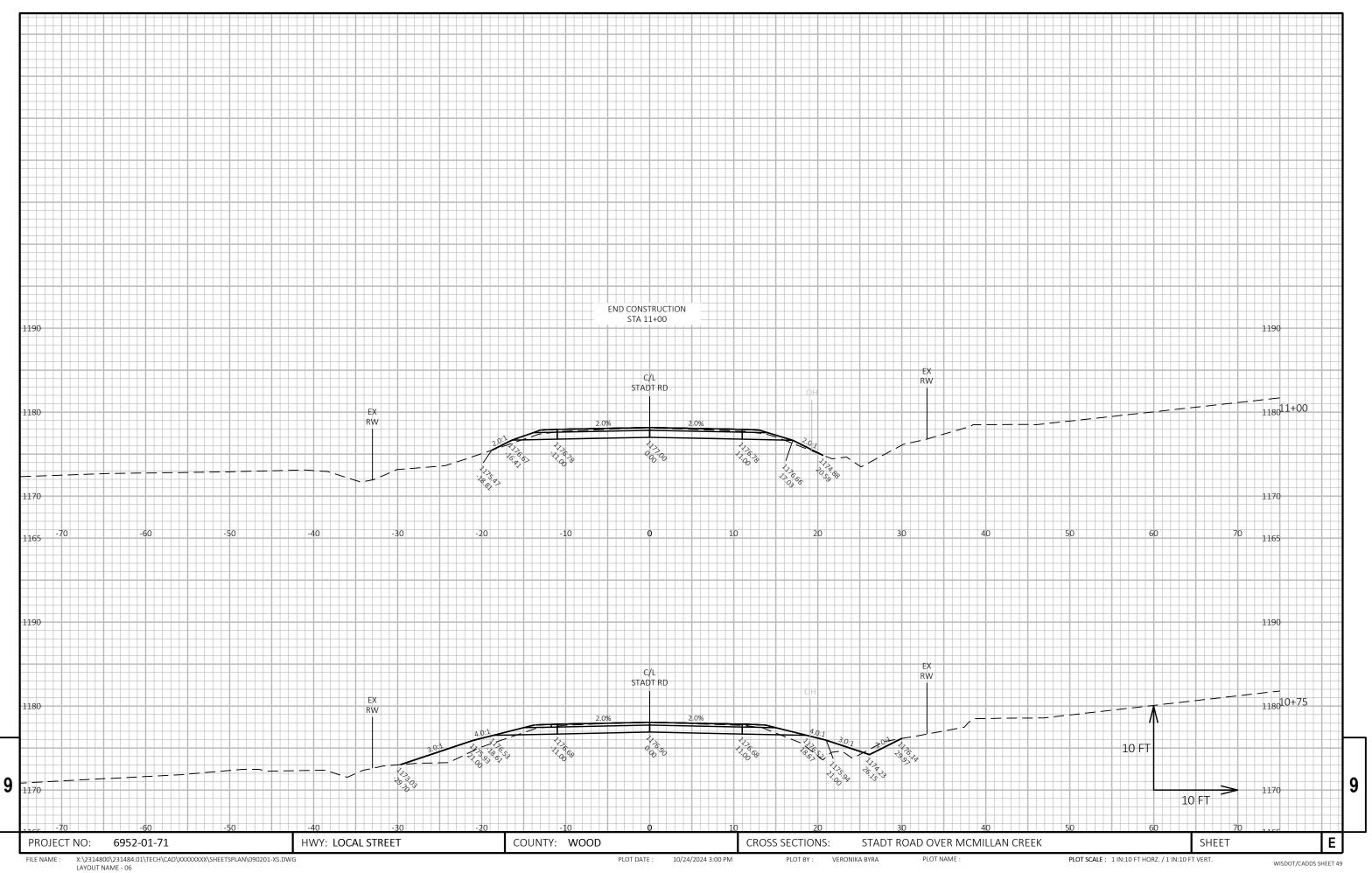
WISDOT/CADDS SHEET 49



ENGOTIVANE OF



LAYOUT NAME - 05



Notes



Wisconsin Department of Transportation

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