FEBRUARY 2025

ORDER OF SHEETS

Typical Sections and Details

Plan and Profile (Includes Erosion Control Details)

Estimate of Quantities

Miscellaneous Quantities

Standard Detail Drawings

Computer Earthwork Data

Section No.

Section No.

Section No.

Section No.

Section No.

Section No. Section No.

TOTAL SHEETS = 46

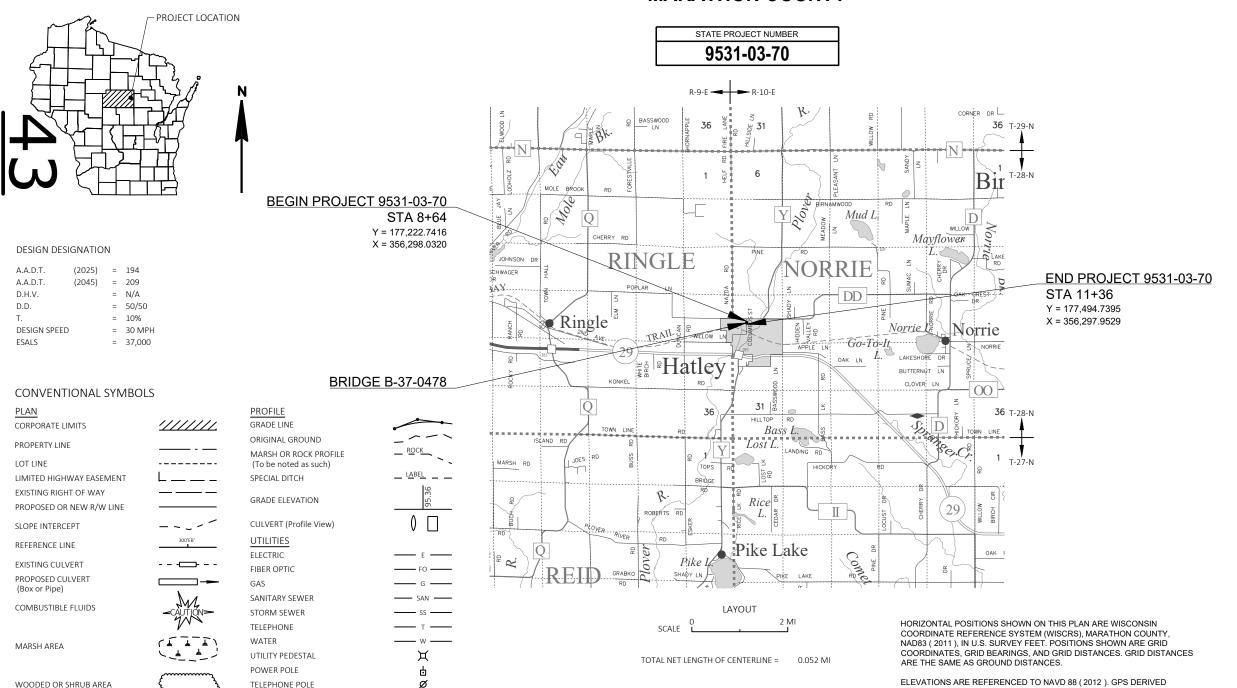
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V HATLEY, COLUMBUS STREET

PLOVER RIVER BRIDGE B-37-0478

LOC STR MARATHON COUNTY



Ø

TELEPHONE POLE



FEDERAL PROJECT

PROJECT

WISC 2025342

CONTRACT

STATE PROJECT

9531-03-70

James M. Griesbach



ORIGINAL PLANS PREPARED BY

146 North Central Ave, Marshfield WI 54449 (715) 384-2133 www.msa-ps.com



ATE: 10/21/2024

(Professional Engineer Signature)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor

MSA PROFESSIONAL SERVICES, INC Designer

Project Manage

ELEVATIONS ARE BASED ON GEOID 18

FILE NAME : G:\01\01452\01452073\CADD\SHEETSPLAN\010101-TI.DWG

WOODED OR SHRUB AREA

8/26/2024 4:31 PM

SHAWN DOLENS

ALLIANT ENERGY

ELECTRIC STEVEN CYCHOSZ 708 NE 7TH STREET MARION, WI 54950

PHONE: 715-754-4323 (OFFICE) PHONE: 715-290-4102 (MOBILE)

EMAIL: STEVENCYCHOSZ@ALLIANTENERGY.COM

FRONTIER COMMUNICATIONS OF WI

COMMUNICATIONS CHRIS POLLACK 521 4TH STREET WAUSAU, WI 54403

PHONE: 715-847-1240 (OFFICE)

EMAIL: CHRISTOPHER.POLLACK@FTR.COM

WISCONSIN PUBLIC SERVICE CORPORATION

GAS

TYLER DAHLSTROM 1700 SHERMAN STREET WAUSAU, WI 54402 PHONE: 715-848-7387 (OFFICE)

PHONE: 715-432-9212 (MOBILE)

EMAIL: TYLER.DAHLSTROM@WISCONSINPUBLICSERVICE.COM

WISCONSIN DNR LIAISON

JAY SCHIEFELBEIN 2984 SHAWANO AVENUE GREEN BAY, WI 54313 PHONE: 920-360-3784

EMAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

COUNTY HIGHWAY COMMISSIONER

JIM GRIESBACH, COMMISSIONER MARATHON COUNTY HIGHWAY DEPARTMENT 1430 WEST STREET WAUSAU, WI 54401 PHONE: 715-261-1800

EMAIL: JAMES.GRIESBACH@CO.MARATHON.WI.US

WISDOT CONTACT

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DESIGN CONTACT

SEAN SPROMBERG, PE MSA PROFESSIONAL SERVICES, INC. 146 NORTH CENTRAL AVENUE MARSHFIELD, WI 54449 PHONE: 715-304-0451 EMAIL: SSPROMBERG@MSA-PS.COM

GENERAL NOTES

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

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

RIGHT OF WAY LOCATIONS ARE APPROXIMATE.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND EROSION MATTED.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	LC	LONG CHORD OF CURVE
AC	ACRE	LS	LUMP SUM
AGG	AGGREGATE	MGAL	ONE THOUSAND GALLONS
AH	AHEAD	MH	MANHOLE
_	ANGLE	ML OR M/L	MATCH LINE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	NOM	NOMINAL
ASPH	ASPHALTIC	NC	NORMAL CROWN
BK	BACK	NB	NORTHBOUND
BC	BACK OF CURB	NO	NUMBER
BAD	BASE AGGREGATE DENSE	OD	OUTSIDE DIAMETER
BL OR B/L	BASE LINE	PAVT	PAVEMENT
BM	BENCH MARK	PLE	PERMANENT LIMITED EASEMENT
СВ	CATCH BASIN	PC	POINT OF CURVATURE
CL OR C/L	CENTER LINE	PI	POINT OF INTERSECTION
Δ	CENTRAL ANGLE OR DELTA	PT	POINT OF TANGENCY
CE	COMMERCIAL ENTRANCE	PCC	PORTLAND CEMENT CONCRETE
CONC	CONCRETE	LB	POUND
CONST	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
CP	CONTROL POINT	PE	PRIVATE ENTRANCE
CO	COUNTY	PROJ	PROJECT
CTH	COUNTY TRUCK HIGHWAY	PL	PROPERTY LINE
CY	CUBIC YARD	PRW	PROPOSED RIGHT OF WAY
CP	CULVERT PIPE	R	RADIUS
CPRC	CULVERT PIPE REINFORCED CONCRETE	RL OR R/L	REFERENCE LINE
C & G	CURB AND GUTTER	REQD	REQUIRED
D	DEGREE OF CURVE	RT	RIGHT
DHV	DESIGN HOUR VOLUME	R/W	RIGHT OF WAY
DIA	DIAMETER	RD	ROAD
DWY	DRIVEWAY	RDWY	ROADWAY
EA	EACH	SHLDR	SHOULDER
EB	EASTBOUND	SW	SIDEWALK
EL OR ELEV	ELEVATION	SB	SOUTHBOUND
EMB	EMBANKMENT	SPECS	SPECIFICATIONS
EW	ENDWALL	SF	SQUARE FEET
EAT	ENERGY ABSORBING TERMINAL	SY	SQUARE YARD
ESALS	EQUIVALENT SINGLE AXLE LOADS	SDD	STANDARD DETAIL DRAWINGS
EXC	EXCAVATION	STH	STATE TRUNK HIGHWAY
EBS	EXCAVATION BELOW SUBGRADE	STA	STATION
EXIST	EXISTING	SE	SUPERELEVATION
FERT	FERTILIZER	SL OR S/L	SURVEY LINE
FE	FIELD ENTRANCE	TEMP	TEMPORARY
FL OR F/L	FLOW LINE	TI	TEMPORARY INTEREST
FT	FOOT	TLE	TEMPORARY LIMITED EASEMENT
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	TC	TOP OF CURB
HE	HIGHWAY EASEMENT	TL OR T/L	TRANSIT LINE
	HUNDRED WEIGHT	T	TRUCKS (PERCENT OF)
CWT IN DIA	INCH DIAMETER	TYP	TYPICAL
INL	INLET		UNITED STATES HIGHWAY
		USH	
INTERS	INSIDE DIAMETER INTERSECTION	VAR VC	VARIABLE VERTICAL CURVE
INTERS			
IH INIV	INTERSTATE HIGHWAY	VPC VPI	VERTICAL POINT OF UNTERSECTION
INV	INVERT		VERTICAL POINT OF TANGENCY
JT LT	JOINT	VPT	VERTICAL POINT OF TANGENCY
LT	LEFT	W	WESTPOLIND
L	LENGTH OF CURVE	WB	WESTBOUND

RUNOFF COEFFICIENT TABLE

					ŀ	HYDROLOGIC	SOIL G	ROUP				
		Α			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
ROW CROPS:	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
NOW 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
INIEDIAN STRIPTORF.	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
SIDE SLOPETORF.			.32			.34			.36			.38
PAVEMENT:												
ASPHALT:	.7095											
CONCRETE:	.8095											
BRICK:						.70 -	80					
DRIVES, WALKS:						.75 -	85					
ROOFS: .7595												
GRAVEL ROADS, SHOULDERS:						.40	60					

TOTAL PROJECT AREA = <u>0.34</u> ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.27 ACRES

HWY: LOC STR

COUNTY: MARATHON

Dial [811] or (800)242-8511

www.DiggersHotline.com

GENERAL NOTES

SHEET

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WISDOT/CADDS SHEET 42

G:\01\01452\01452073\CADD\SHEETSPLAN\020101-GN.DWG FILE NAME :

LAYOUT NAME - 01

PROJECT NO:

9531-03-70

8/26/2024 4:46 PM

PLOT BY: SHAWN DOLENS

PLOT NAME :

LINEAR FOOT

PLOT SCALE :

WISDOT/CADDS SHEET 42

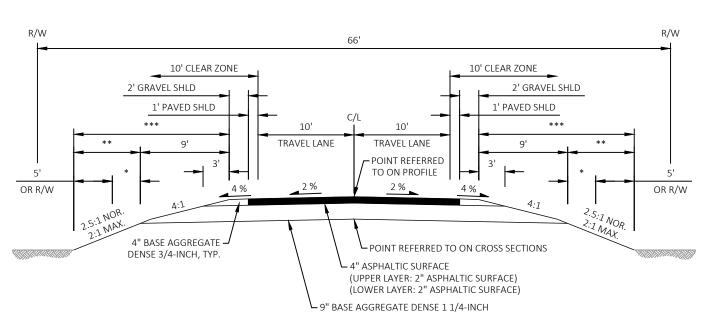
R/W R/W C/L - 2 1/2"-3" EXISTING ASPHALTIC PAVEMENT EXISTING CRUSHED AGGREGATE -BASE COURSE SHOULDERS 6" EXISTING BASE AGGREGATE

EXISTING TYPICAL SECTION STA 8+64 - STA 11+36

- * LIMITS OF TOPSOIL

 ** LIMITS OF EROSION MAT URBAN CLASS 1 TYPE B

 *** LIMITS OF SEEDING MIXTURE NO. 20,
 SEEDING TEMPORARY & FERTILIZER TYPE B

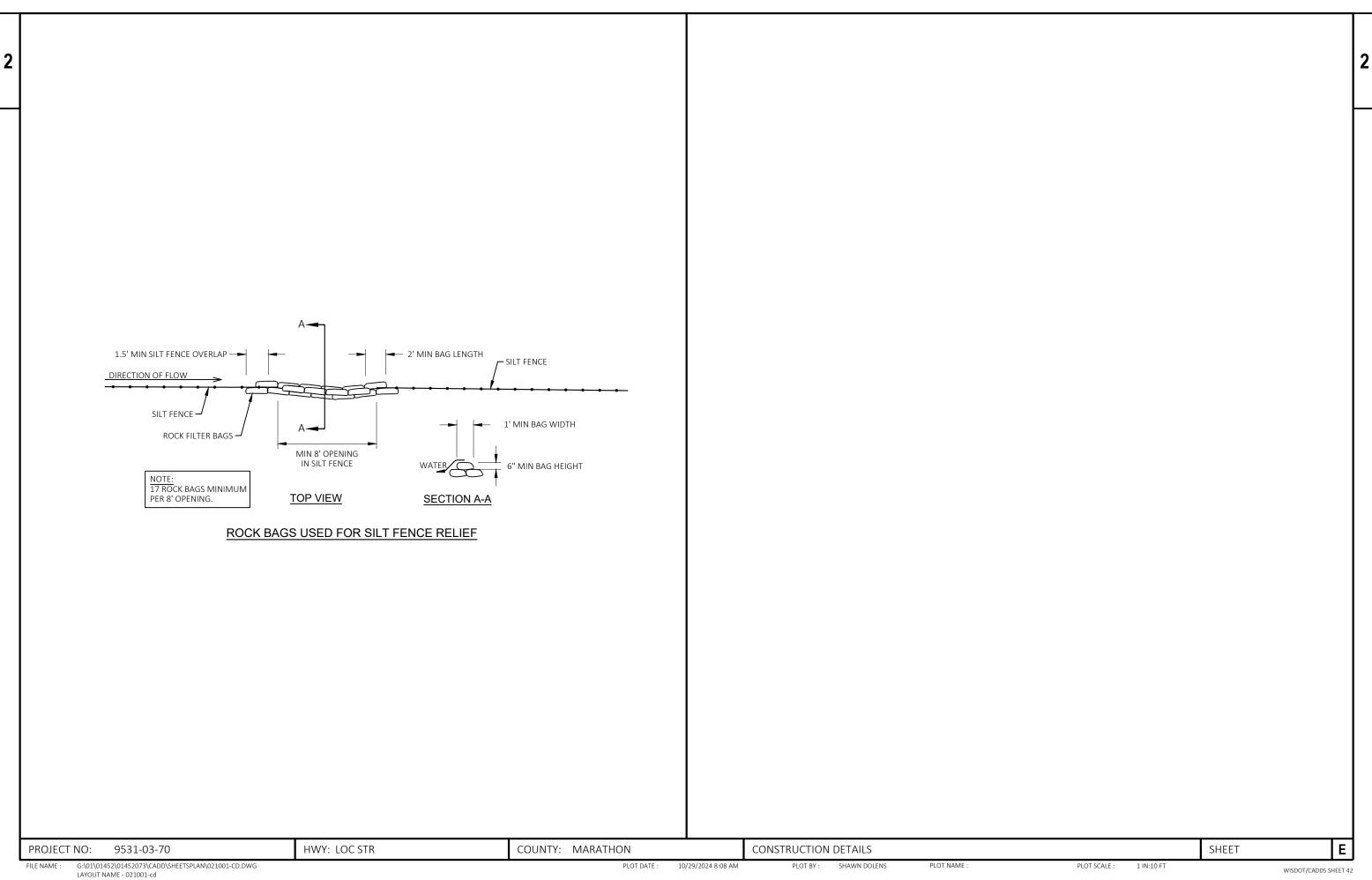


FINISHED TYPICAL SECTION

STA 8+64 - STA 11+36

HWY: LOC STR Ε PROJECT NO: 9531-03-70 COUNTY: MARATHON TYPICAL SECTIONS SHEET FILE NAME : G:\01\01452\01452073\CADD\SHEETSPLAN\020301-TS.DWG PLOT DATE: 9/3/2024 1:50 PM PLOT BY: SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

LAYOUT NAME - 020301-ts



-03-70

					9531-03-70	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	4.000	4.000	
0004	201.0205	Grubbing	STA	4.000	4.000	
0006	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-37-707	EACH	1.000	1.000	
8000	205.0100	Excavation Common	CY	163.000	163.000	
0010	205.0506.S	Excavation, Hauling, and Disposal of Creosote Contaminated Soil	TON	190.000	190.000	
0012	206.1001	Excavation for Structures Bridges (structure) 01. B-37-478	EACH	1.000	1.000	
0014	209.2500	Backfill Granular Grade 2	TON	92.000	92.000	
0016	210.1500	Backfill Structure Type A	TON	270.000	270.000	
0018	213.0100	Finishing Roadway (project) 01. 9531-03-70	EACH	1.000	1.000	
0020	305.0110	Base Aggregate Dense 3/4-Inch	TON	30.000	30.000	
0022	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	340.000	340.000	
0024	455.0605	Tack Coat	GAL	38.000	38.000	
0026	465.0105	Asphaltic Surface	TON	120.000	120.000	
0028	502.0100	Concrete Masonry Bridges	CY	219.000	219.000	
0030	502.3200	Protective Surface Treatment	SY	293.000	293.000	
0032	505.0400	Bar Steel Reinforcement HS Structures	LB	4,910.000	4,910.000	
0034	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	31,300.000	31,300.000	
0036	513.4061	Railing Tubular Type M	LF	198.000	198.000	
0038	516.0500	Rubberized Membrane Waterproofing	SY	18.000	18.000	
0040	550.0020	Pre-Boring Rock or Consolidated Materials	LF	66.000	66.000	
0042	550.0500	Pile Points	EACH	8.000	8.000	
0044	550.1120	Piling Steel HP 12-Inch X 53 Lb	LF	305.000	305.000	
0046	606.0300	Riprap Heavy	CY	170.000	170.000	
0048	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	200.000	200.000	
0050	618.0100	Maintenance and Repair of Haul Roads (project) 01. 9531-03-70	EACH	1.000	1.000	
0052	619.1000	Mobilization	EACH	1.000	1.000	
0054	624.0100	Water	MGAL	12.000	12.000	
0056	625.0100	Topsoil	SY	610.000	610.000	
0058	628.1504	Silt Fence	LF	550.000	550.000	
0060	628.1520	Silt Fence Maintenance	LF	550.000	550.000	
0062	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0066	628.2008	Erosion Mat Urban Class I Type B	SY	610.000	610.000	
0068	628.2027	Erosion Mat Class II Type C	SY	100.000	100.000	
0070	628.6005	Turbidity Barriers	SY	320.000	320.000	
0072	628.7504	Temporary Ditch Checks	LF	20.000	20.000	
0074		Rock Bags	EACH	98.000	98.000	
0076	629.0210	Fertilizer Type B	CWT	0.450	0.450	
0078	630.0120	Seeding Mixture No. 20	LB	18.000	18.000	
0800	630.0200	Seeding Temporary	LB	18.000	18.000	
0082	630.0500	Seed Water	MGAL	13.000	13.000	
0084	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0086	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
8800	638.2102	Moving Signs Type II	EACH	2.000	2.000	
0090	638.2602	Removing Signs Type II	EACH	2.000	2.000	
0092	642.5001	Field Office Type B	EACH	1.000	1.000	
0094	643.0420	Traffic Control Barricades Type III	DAY	1,890.000	1,890.000	
0096	643.0705	Traffic Control Warning Lights Type A	DAY	2,930.000	2,930.000	
0098	643.0900	Traffic Control Signs	DAY	1,470.000	1,470.000	

Estimate Of Quantities

9531-03-70

Page 2

Line	Item	Item Description	Unit	Total	Qty
0100	643.5000	Traffic Control	EACH	1.000	1.000
0102	645.0111	Geotextile Type DF Schedule A	SY	160.000	160.000
0104	645.0120	Geotextile Type HR	SY	310.000	310.000
0106	650.4500	Construction Staking Subgrade	LF	200.000	200.000
0108	650.5000	Construction Staking Base	LF	200.000	200.000
0110	650.6501	Construction Staking Structure Layout (structure) 01. B-37-478	EACH	1.000	1.000
0112	650.9911	Construction Staking Supplemental Control (project) 01. 9531-03-70	EACH	1.000	1.000
0114	650.9920	Construction Staking Slope Stakes	LF	200.000	200.000
0116	690.0150	Sawing Asphalt	LF	42.000	42.000
0118	715.0502	Incentive Strength Concrete Structures	DOL	1,320.000	1,320.000
0120	999.2005.S	Maintaining Bird Deterrent System (station) Station 10+00	EACH	1.000	1.000
0122	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0124	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000

CATEGORY

0010

0010

LOCATION

SOUTH ABUTMENT

NORTH ABUTMENT

TOTAL 0010

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA					205.0100			MASS ORDINATE	
											EXCAVATION	UNEXPANDED	EXPANDED FILL	+/-(2)	
0010	8+64	-	9+80	RT & LT	2	2					COMMON	FILL	(1)	CY	WASTE
0010	10+20	-	11+36	RT & LT	2	2	CATEGORY	STATION	TO STATION	LOCATION	СҮ	СҮ	СҮ		СҮ
				TOTAL 0010	4	4	0010	8+64	- 9+50	MAINLINE	76	24	30	46	-46
							0010	10+50	- 11+36	MAINLINE	87	28	35	52	-52
										TOTAL 0010	163	_		-	-98

(1) EXPANDED FILL FACTOR = 1.25

						305.0110	305.0120	624.0100
CATEGOR	RY	STATION	TO	STATION	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	WATER MGAL
0010		8+64	-	9+64	LT & RT	15	170	6
0010		10+36	-	11+36	LT & RT	15	170	6

340

30

205.0506.S EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL

TON

95

95

190

TOTAL 0010

					455.0605	465.0105
						ASPHALTIC
					TACK COAT	SURFACE
CATEGORY	STATION	TO	STATION	LOCATION	GAL	TON
0010	8+64	-	9+64	MAINLINE	19	60
0010	10+36	-	11+36	MAINLINE	19	60
				TOTAL 0010	38	120

					625.0100	628.2008 EROSION MAT	628.2027	628.7504	628.7570	629.0210	630.0120	630.0200	630.0500
CATEGORY	STATION	TO	STATION	LOCATION	TOPSOIL SV	URBAN CLASS I TYPE B SY	EROSION MAT CLASS II TYPE C SY	TEMPORARY DITCH CHECKS	ROCK BAGS EACH	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 20 LB	SEEDING TEMPORARY LB	SEED WATER MGAL
ONIEGONI	317(110)(10	317(110)	LOOMITON	31	- 31	- 51	Li	Втогт	OWI	LD	LD	WONE
0010	8+64	-	9+64	LT	120	120			17	0.08	4	4	3
0010	8+64	-	9+64	RT	120	120			17	0.08	4	4	3
0010	10+36	-	11+36	LT	120	120			17	0.08	4	4	3
0010	10+36	-	11+36	RT	150	150			17	0.09	4	4	3
0010		l	UNDISTRIBUTED		100	100	100	20	30	0.12	2	2	1
				TOTAL 0010	610	610	100	20	98	0.45	18	18	13

PROJECT NO: 9531-03-70 HWY: LOC STR COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

⁽²⁾ THE MASS ORDINATE + OR - QUANTITY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

⁽³⁾ EXISTING PAVEMENT BASED ON AVERAGE THICKNESS OF 3"

					628.1504	628.1520	628.1905	628.1910 MOBILIZATIONS
						SILT FENCE	MOBILIZATIONS EROSION	EMERGENCY EROSION
					SILT FENCE	MAINTENANCE	CONTROL	CONTROL
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH
0010	8+64	-	9+64	LT	115	115		
0010	8+64	-	9+64	RT	120	120		
0010	10+36	-	11+36	LT	120	120		
0010	10+36	-	11+36	RT	120	120		
0010		PF	ROJECT 9531-	03-70			5	2
0010			UNDISTRIBU	TED	75	75		
				TOTAL 0010	550	550	5	2

			634.0612 POSTS WOOD 4X6-INCH X 12-FT	637.2230 SIGNS TYPE II REFLECTIVE F	638.2102 MOVING SIGNS TYPE II	638.2602 REMOVING SIGNS TYPE II	
CATEGORY	STATION	LOCATION	EACH	SF	EACH	EACH	REMARKS
0010	9+49	LT	1	3	-	-	W5-52L 12"X36"
0010	9+49	RT	1	3	-	-	W5-52R 12"X36"
0010	10+51	LT	1	3	-	-	W5-52L 12"X36"
0010	10+51	RT	1	3	-	-	W5-52R 12"X36"
0010	ADVANCE	D SIGNING	-	-		2	NARROW BRIDGE SIGNS
0010	ADVANCE	D SIGNING	-	-	2	-	SPEED LIMIT AND CURVE SIGNS

TOTAL 0010

					650.4500	650.5000	650.6501.01 CONSTRUCTION STAKING STRUCTURE LAYOUT	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL	650.9920 CONSTRUCTION
					STAKING	CONSTRUCTION	(STRUCTURE)	(PROJECT) (01.	STAKING SLOPE
					SUBGRADE	STAKING BASE	(01. B-37-478)	9531-03-70)	STAKES
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	LF
0010	8+64	-	9+64	MAINLINE	100	100			100
0010	10+36	-	11+36	MAINLINE	100	100			100
0010	8+64	-	11+36	PROJECT				1	
0020			B-37-478				1		
				TOTAL 0010	200	200	1	1	200

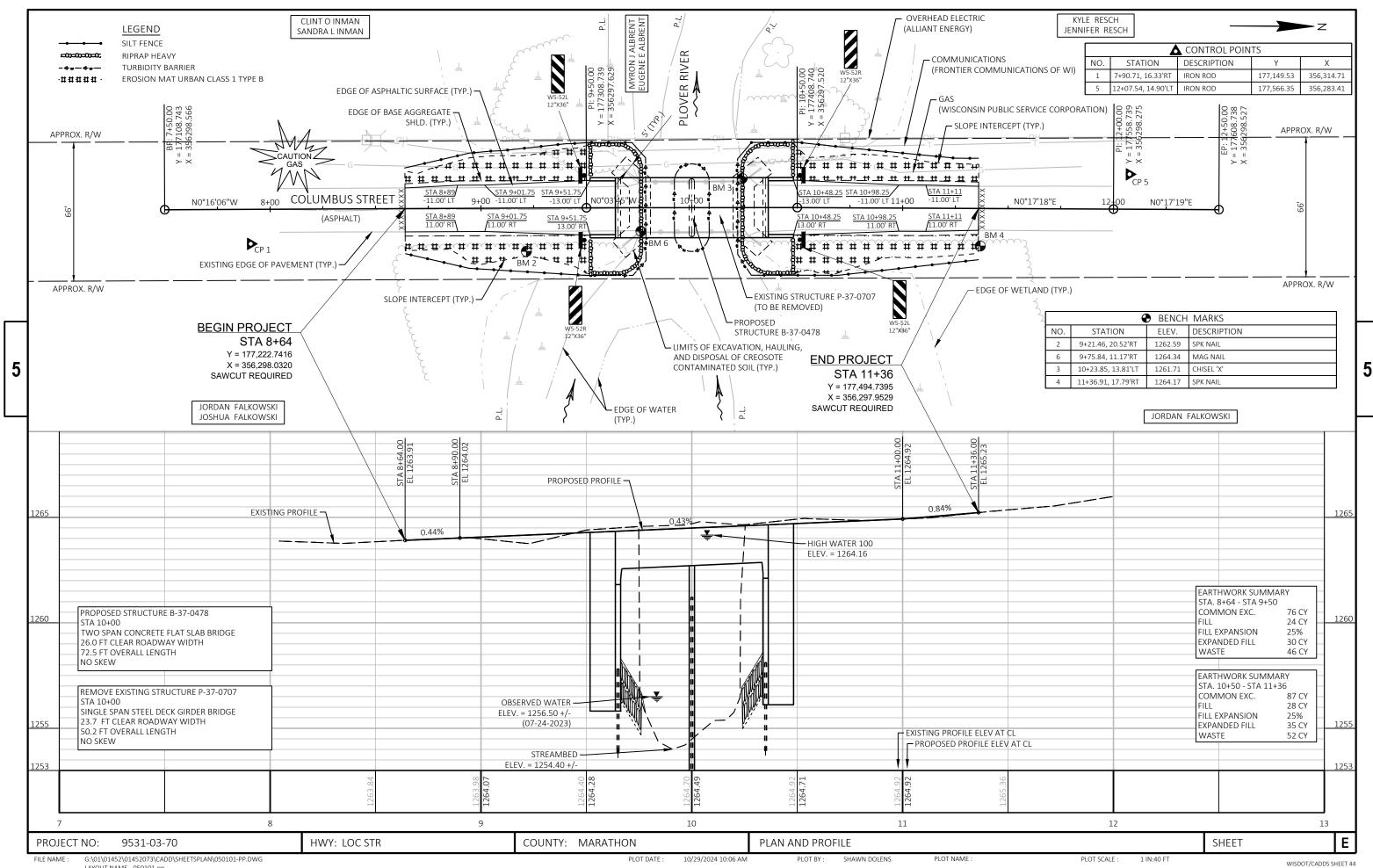
		628.6005 TURBIDITY BARRIERS
CATEGORY	LOCATION	SY
0010	PROJECT 9531-03-70	320
	TOTAL 0010	320

	643.0420	643.0705	643.0900
	TRAFFIC	TRAFFIC	
	CONTROL	CONTROL	
	BARRICADES	WARNING	TRAFFIC
	TYPE III	LIGHTS TYPE A	CONTROL SIGNS
LOCATION	DAY	DAY	DAY
PROJECT 9531-03-70	1,710	2,660	1,330
UNDISTRIBUTED	180	270	140
	PROJECT 9531-03-70	TRAFFIC CONTROL BARRICADES TYPE III LOCATION DAY PROJECT 9531-03-70 1,710	TRAFFIC CONTROL CONTROL BARRICADES WARNING TYPE III LIGHTS TYPE A LOCATION DAY DAY PROJECT 9531-03-70 1,710 2,660 UNDISTRIBUTED 180 270

			690.0150
			SAWING
			ASPHALT
CATEGORY	STATION	LOCATION	LF
0010	8+64	MAINLINE	21
0010	11+36	MAINLINE	21
		TOTAL 0010	42

PROJECT NO: 9531-03-70 HWY: LOC STR COUNTY: MARATHON MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1



Standard Detail Drawing List

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
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

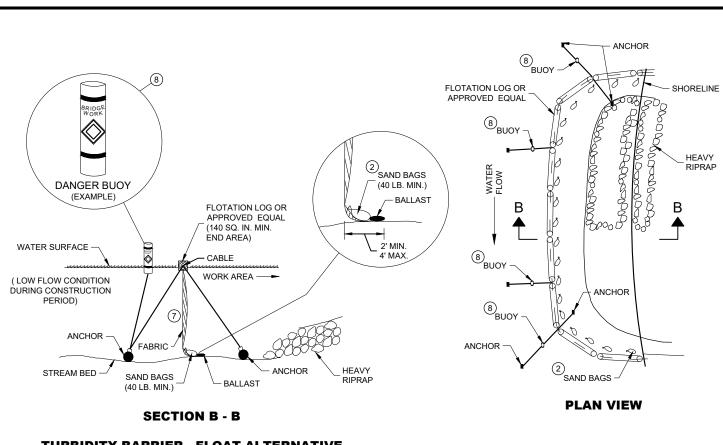
(WHEN REQUIRED BY THE ENGINEER)



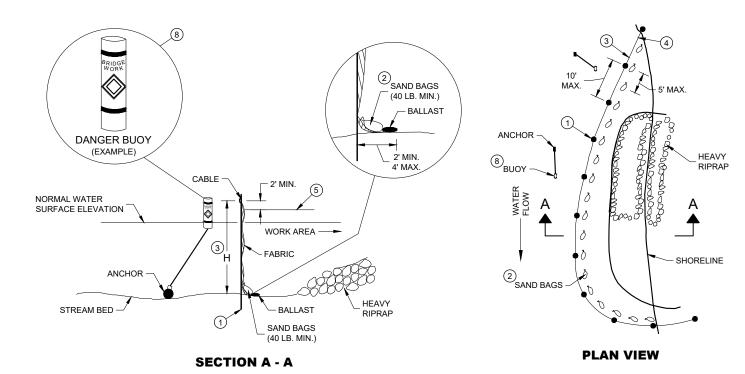
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D.D. 8 E 9-6



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

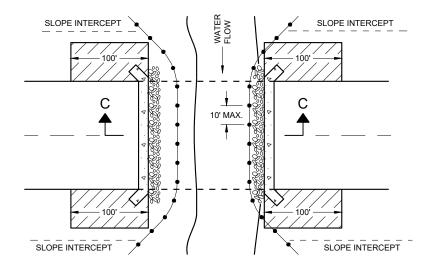
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

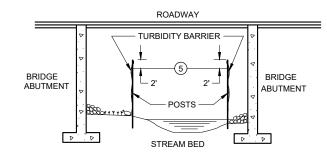
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

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



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

APPROVED /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**

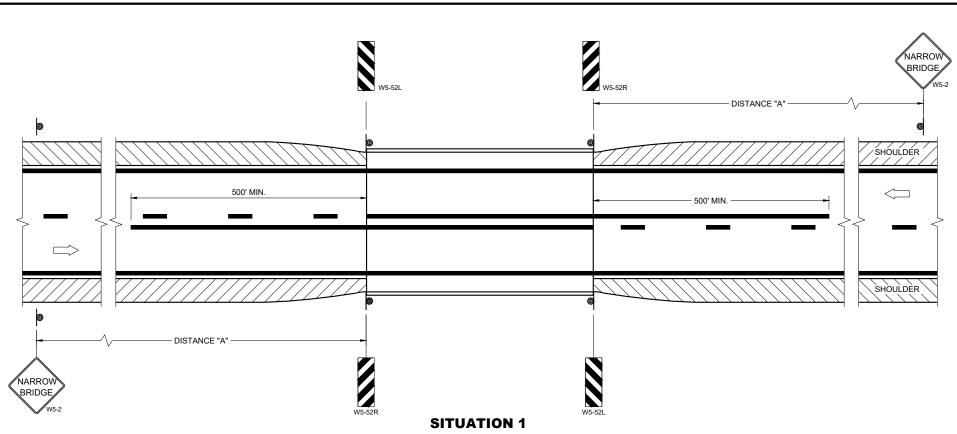
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE WORK ZONE ENGINEER

Ò 0 Ŋ



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 $5' 3'' (\stackrel{+}{-}) 3''$.
- 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

CHEET 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:

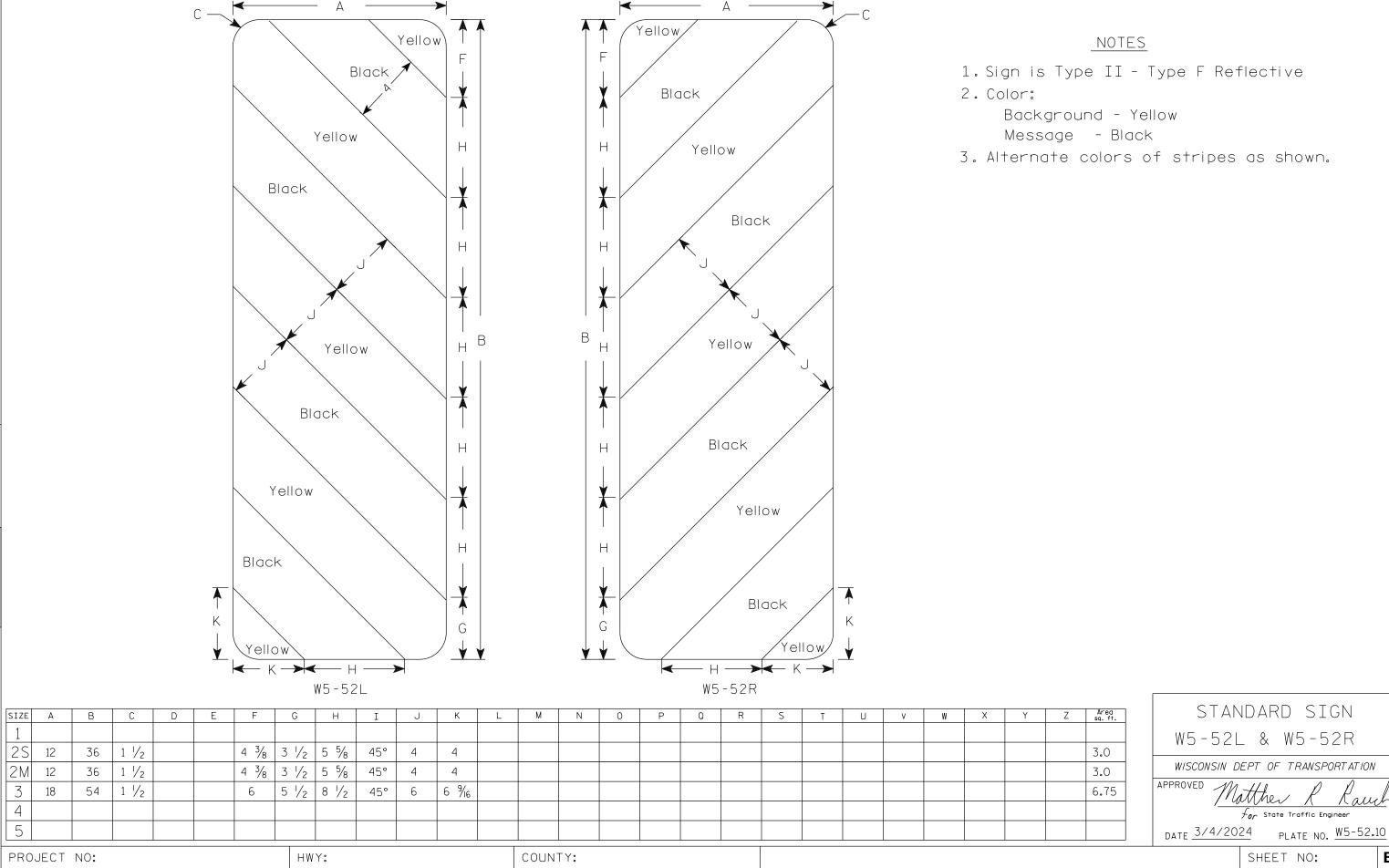
PLOT DATE: 19-APRIL 2022 11:55

SIGN

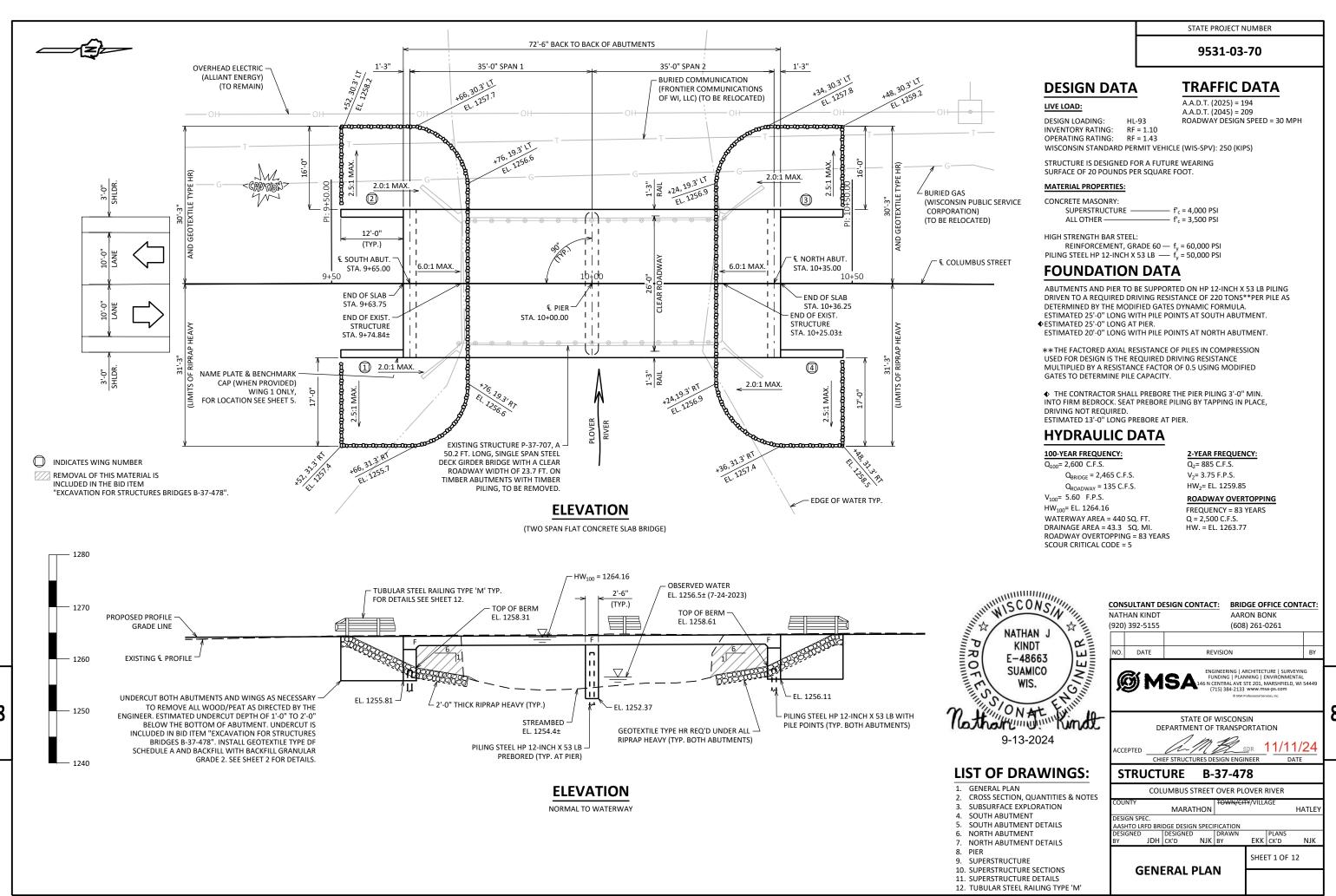
PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε



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



STATE PROJECT NUMBER

9531-03-70

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFY BAR SIZE

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

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE LIMITS SHOWN ON SHEET 1 AND THE ABUTMENT SHEETS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-37-478" SHALL BE THE

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

AT BACK FACE OF ABUTMENT, ALL VOLUME WHICH CAN NOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURAL BACKFILL TYPE A.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2012 ADJUSTED). BENCHMARK REFERENCES AT THE PROJECT SITE WERE SET BY THE CONSULTANT USING GPS

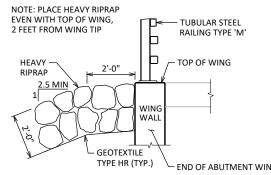
THE QUANTITY FOR BACKFILL STRUCTURES AND ABUTMENT BEDDING MATERIAL IS CALCULATED BASED ON THE PAY LIMITS SHOWN ON THE PLANS, INCLUDING 2' FOR REPLACEMENT OF WOOD/PEAT REMOVAL UNDER BOTH ABUTMENTS, AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENT AND ABUTMENT WINGS FOR 3 FEET, AND FOR 2 FEET UNDER BOTH ABUTMENTS. GEOTEXTILE DF SCHEDULE A SHALL BE SET AT THE BOTTOM OF THE

IF COFFERDAMS ARE USED. BACKFILL THE COFFERDAMS TO THE BOTTOM OF THE PROPOSED ABUTMENT BEFORE REMOVING THE SHEETING.

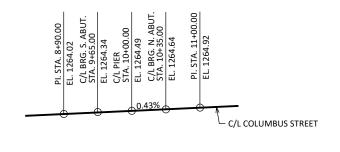
EXCAVATION BELOW THE NORTH AND SOUTH ABUTMENT BEDDING MATERIALS REQUIRES

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE 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 1'-0" PAST THE EDGE OF SLAB.

AT ABUTMENTS AND PIER, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD



TYPICAL FILL SECTION AT WING TIPS



AT ABUTMENTS

13'-0'

2.0%

PILING STEEL

12-INCH X 53 LB, TYP.

RIPRAP HEAVY

BOTTOM OF ABUTMENT

AT PIER (PILING NOT SHOWN)

CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

28'-6"

€ COLUMBUS

STREET

13'-0"

2.0%

(TYP.)

(TYP.)

¾" V-GROOVE.

EXTEND V-GROOVE TO 6"

FROM THE FRONT FACE OF ABUTMENT DIAPHRAGM.

POINT REFERRED TO ON

PROFILE GRADE LINE

TUBULAR STEEL RAILING TYPE 'M',

FOR DETAILS SEE SHEET 12.

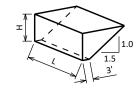
PROFILE GRADE LINE

TOTAL ESTIMATED QUANTITIES ITEM NUMBER **BID ITEM** UNIT PIER SUPER TOTAL ABUT ABUT. 203.0260 REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-37-707 EACH 206.1001 EXCAVATION FOR STRUCTURES BRIDGES B-37-478 EACH 209.2500 BACKFILL GRANULAR GRADE 2 TON 46 46 92 210.1500 BACKFILL STRUCTURE TYPE A TON 135 135 270 502.0100 CONCRETE MASONRY BRIDGES CY 36.5 26.1 36.6 119.0 219 502.3200 PROTECTIVE SURFACE TREATMENT SY 12 12 269 293 BAR STEEL REINFORCEMENT HS STRUCTURES 1.230 4,910 505.0400 LB 1.840 1 840 BAR STEEL REINFORCEMENT HS COATED STRUCTURES LB 1.655 31.300 505.0600 55 1.655 27,935 513 4061 RAILING TUBULAR TYPE M 1 F 198 198 516.0500 RUBBERIZED MEMBRANE WATERPROOFING SY 9 18 PRE-BORING ROCK OR CONSOLIDATED MATERIALS 550 0020 1 F 66 66 550.0500 PILE POINTS EACH 4 8 PILING STEEL HP 12-INCH X 53 LB 550 1120 1 F 100 125 80 305 606 0300 RIPRAP HEAVY CY 85 170 85 612 0406 PIPE UNDERDRAIN WRAPPED 6-INCH 200 1 F 100 100 GEOTEXTILE TYPE DF SCHEDULE A 645 0111 SY 80 160 80 645.0120 GEOTEXTILE TYPE HR 310 SY 155 155 NON-BID ITEMS FILLER SIZE 1/2", 3/4"

- BRIDGE - ROADWAY SUPERSTRUCTURE PAVEMENT **ABUTMENT** BACKFACE AT BOTH ABUTMENTS, AFTER 1.5 - ROADWAY WOOD/PEAT REMOVAL, BACKFILL SUBSURFACE GRANULAR TYPE 2 REQUIRED REQ'D 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. 2'-0" MIN AS REO'D TO -REMOVE WOOD/PEAT

TYPICAL SECTION THRU ABUTMENT

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES BRIDGES STRUCTURE B-37-478. 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. SEE SHEET 7 FOR DETAILS.



ABUTMENT BACKFILL DIAGRAM

- = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
- = AVERAGE ABUTMENT FILL HEIGHT (FT)
- = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND
- 1.00 FOR TON BID ITEMS)
- = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
- $= V_{CE}(EF)/27$
- $= V_{CY}(2.0)$

NO. DATE STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-37-478

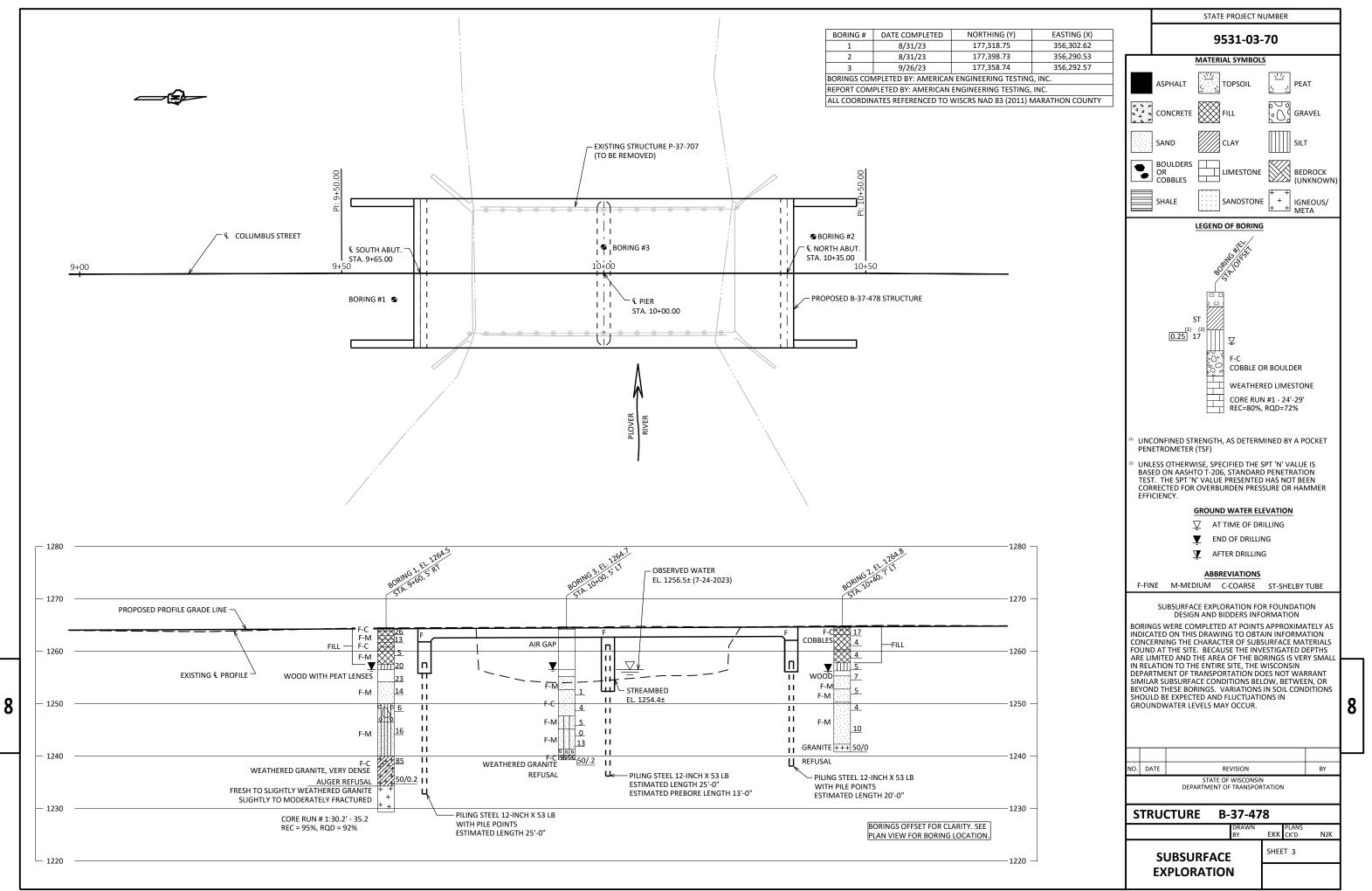
CROSS SECTION, QUANTITIES &

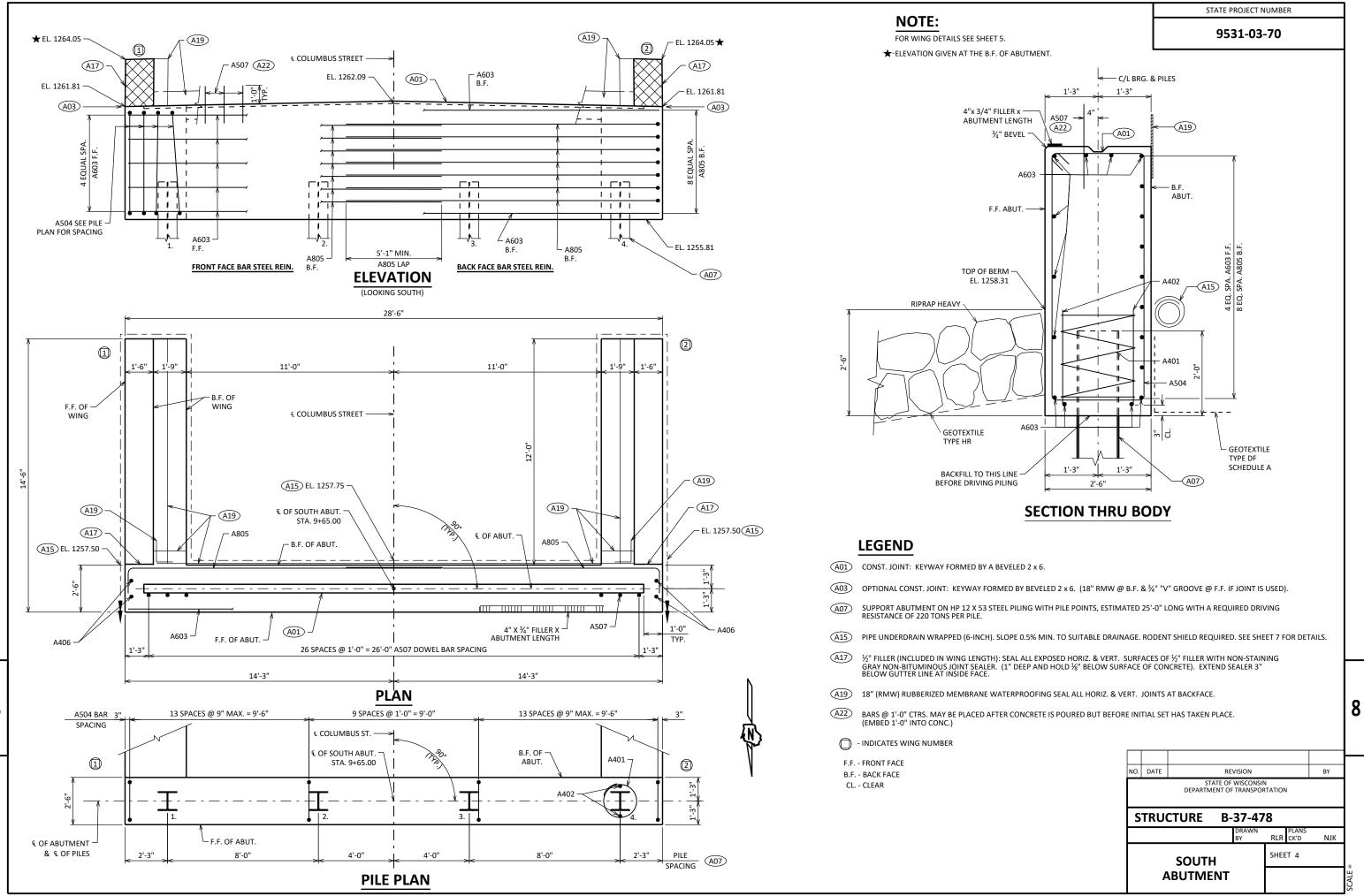
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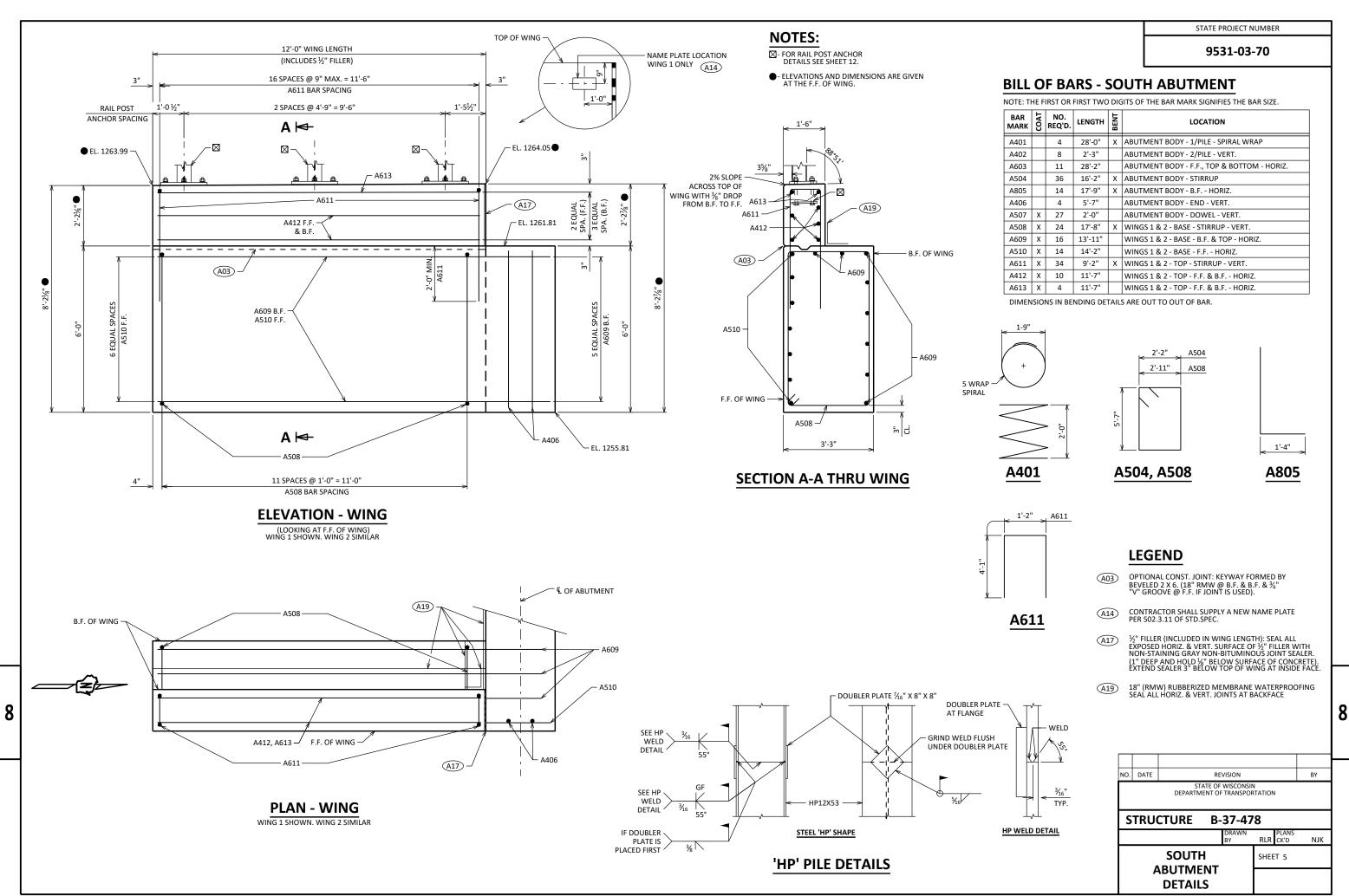
G:\01\01452\01452073\CADD\SheetsPlan\Structures\01452073 B-37-478 02 Cross Section &

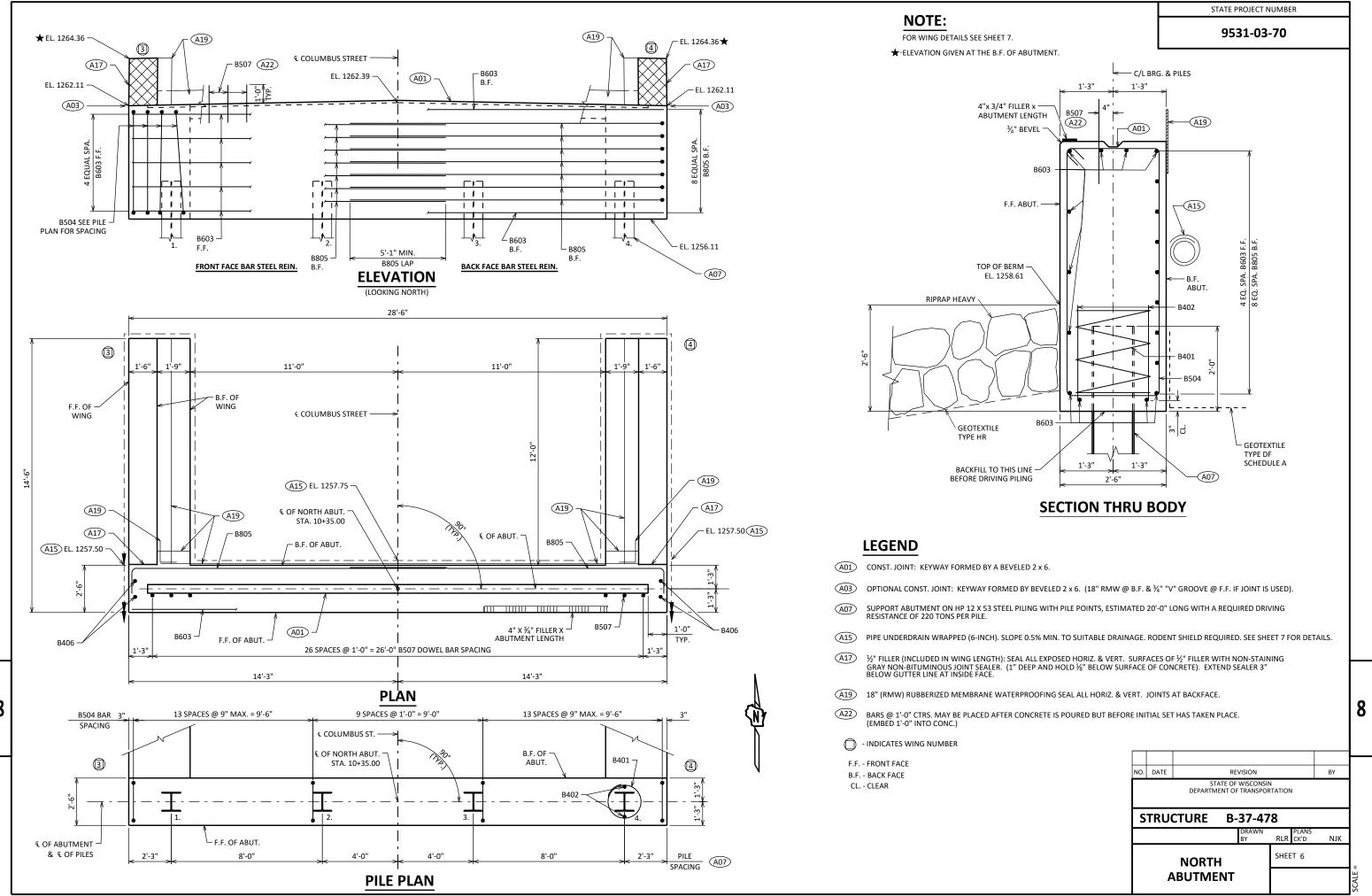
SHEET 2

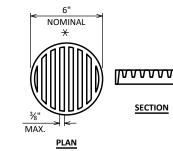
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RODENT SHIELD DETAIL

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

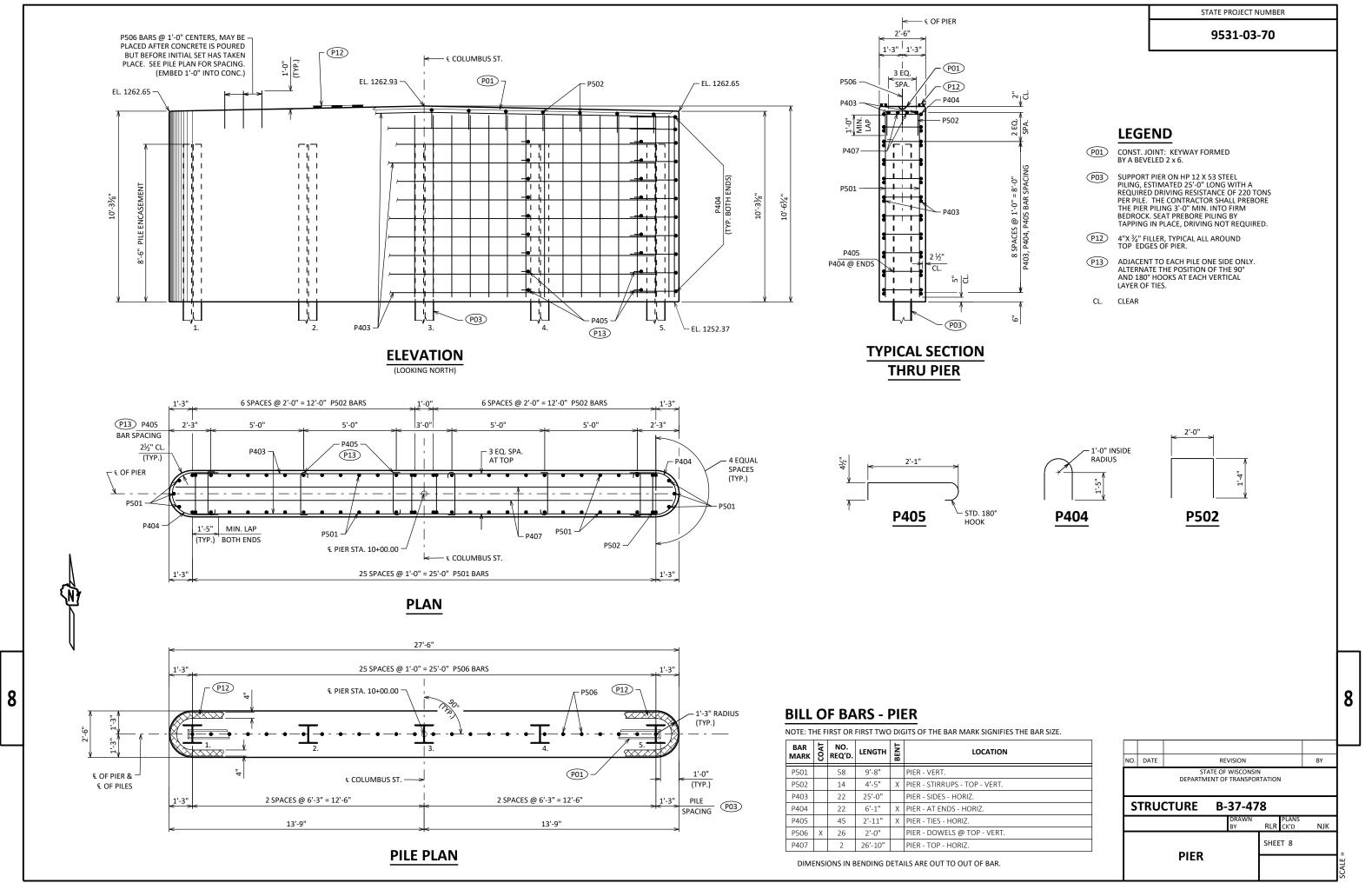
NO. DATE STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-37-478 RLR CK'D NORTH SHEET 7 **ABUTMENT DETAILS**

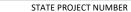
B412. B613 — F.F. OF WING

PLAN - WING

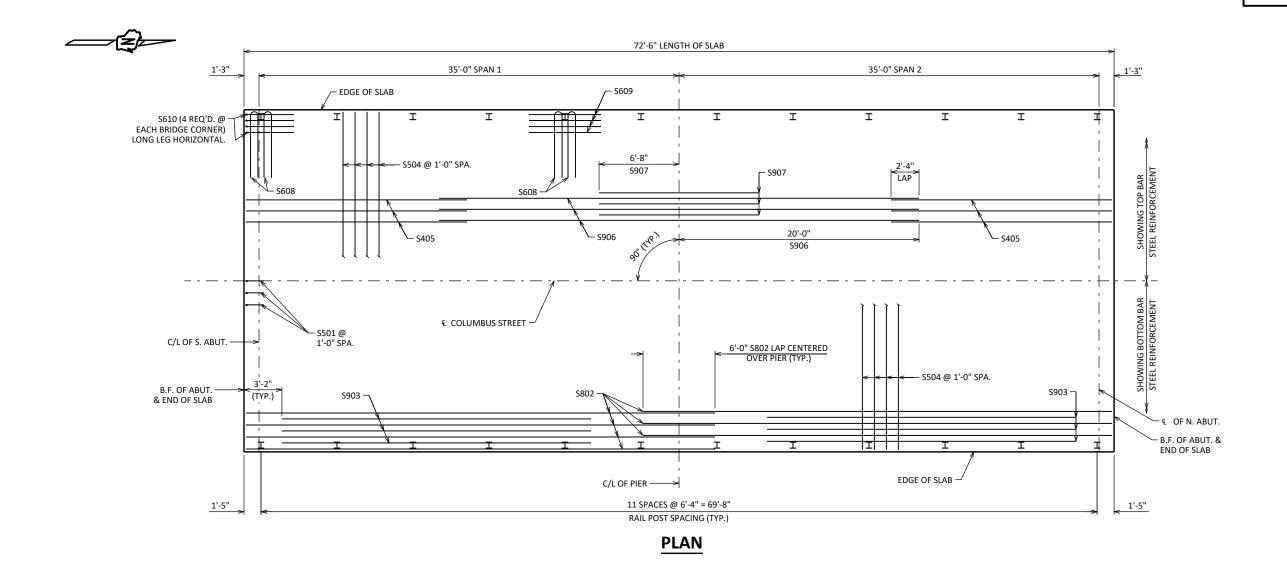
WING 3 SHOWN. WING 4 SIMILAR

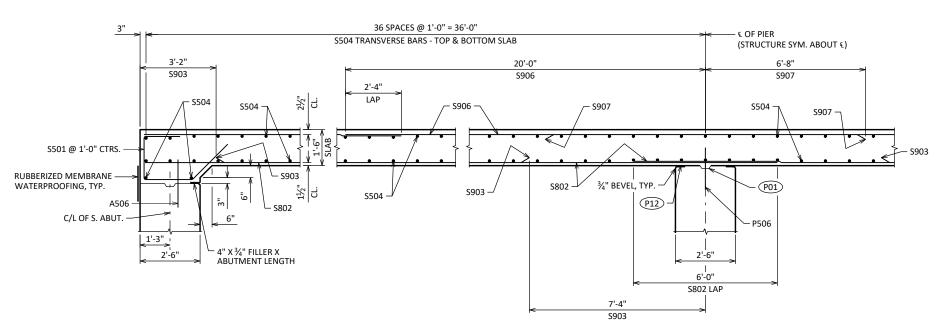
B611





9531-03-70





PO1 CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.

P12 4"X ¾" FILLER, TYPICAL ALL AROUND TOP EDGES OF PIER.

SUPERSTRUCTURE

CL. CLEAR

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

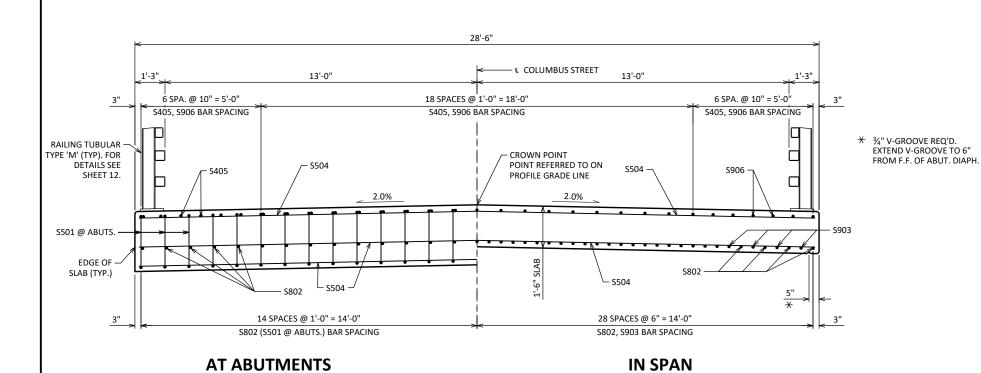
STRUCTURE B-37-478

DRAWN
BY
RLR
CK'D
NJK
SHEET 9

LONGITUDINAL SECTION

(LOOKING WEST)

9531-03-70



CROSS SECTION THRU BRIDGE (LOOKING NORTH)

36 SPACES @ 6" = 18'-0"

S906, S907 BAR SPACING

2.0%

— € COLUMBUS STREET

- CROWN POINT POINT REFERRED TO ON

PROFILE GRADE LINE

12 SPA. @ 5" = 5'-0"

S906, S907 BAR SPACING

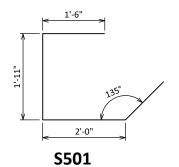
RAILING TUBULAR TYPE 'M' (TYP.) -FOR DETAILS SEE SHEET 12.

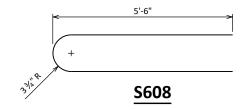
BILL OF BARS - SUPERSTRUCTURE

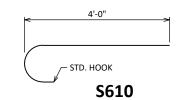
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	LOCATION
S501	Х	58	7'-3"	Х	DIAPHRAGM @ ABUTS VERT.
S802	Х	58	39'-1"		SLAB - BOTTOM - @ ABUTS. & IN SPAN - LONGIT.
S903	Х	56	25'-9"		SLAB - BOTTOM - IN SPAN - LONGIT.
S504	Х	146	28'-2"		SLAB - TOP & BOTTOM - TRANS.
S405	Х	62	18'-5"		SLAB - TOP - @ ABUTS LONGIT.
S906	Х	62	40'-0"		SLAB - TOP - IN SPAN & OVER PIER - LONGIT.
S907	Х	31	13'-4"		SLAB - TOP - OVER PIER - LONGIT.
S608	Х	48	11'-4"	Х	SLAB @ RAIL POST, 2 PER POST
S609	Х	80	6'-0"		SLAB @ RAIL POST, 4 PER POST
S610	Х	16	4'-8"	Х	SLAB @ RAIL POST, 4 PER CORNER POST

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.







CROSS SECTION THRU BRIDGE - AT PIER

28 SPACES @ 1'-0" = 28'-0" S802 BAR SPACING

(LOOKING NORTH)

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-478

DRAWN
BY
RLR CK'D NJK

SUPERSTRUCTURE
SECTIONS

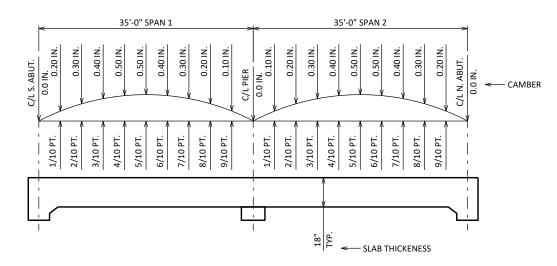
SHEET 10

12 SPA. @ 5" = 5'-0"

S906, S907 BAR SPACING

S906 ·

EDGE OF SLAB (TYP.)



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.

SLAB-SUPPORTING FALSEWORK SHALL REMAIN IN-PLACE UNTIL ALL STAGES OF THE SUPERSTRUCTURE HAS CURED, FOR DEFLECTION CONTROL BETWEEN STAGES. DO NOT RELEASE ANY FALSEWORK UNTIL TYPE M RAILING HAS BEEN CONSTRUCTED. (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 MINUS.... SLAB THICKNESS

CAMBER PLUS....

PULS...

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

EQUALS = TOP OF SLAB FALSEWORK ELEVATION

SURVEY TOP OF SLAB ELEVATIONS

	LOCATION	S. ABUTMENT	5/10 PT.	PIER	5/10 PT.	N. ABUTMENT
☆	EAST EDGE OF SLAB					
	€ COLUMBUS STREET					
☆	WEST EDGE OF SLAB					

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 C/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 $\underline{\mathsf{AS}}$ 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.

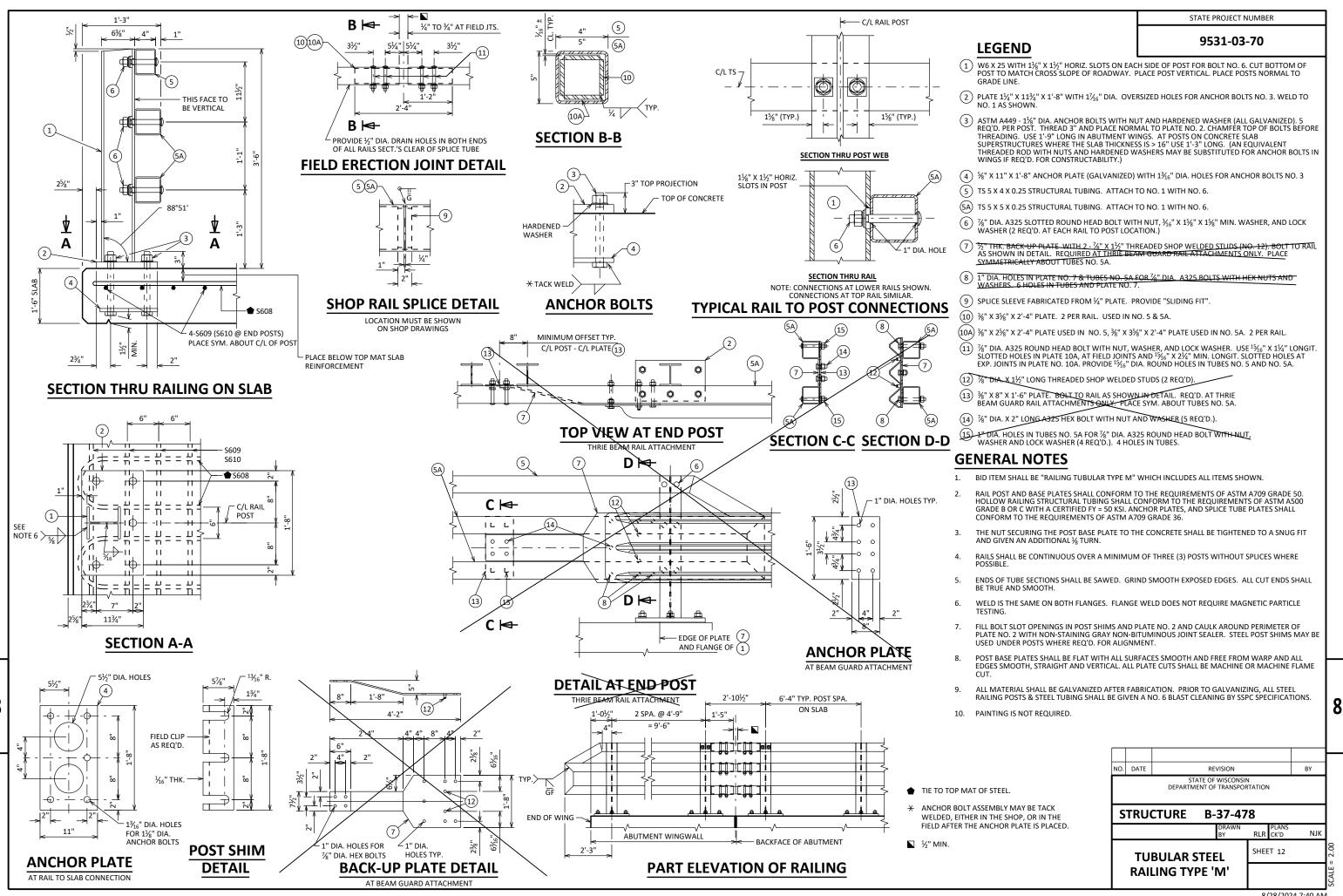
ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

 $\mbox{$\frac{1}{N}$}$ EDGE OF SLAB ELEVATION IS THE TOP OUTER EDGE OF THE SLAB BENEATH OPEN RAILING.

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 PIER	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.
EAST EDGE OF SLAB	1264.06	1264.07	1264.09	1264.10	1264.12	1264.13	1264.15	1264.16	1264.18	1264.19	1264.21	1264.22	1264.24	1264.25	1264.27	1264.28	1264.30	1264.31	1264.33	1264.34	1264.36
C/L COLUMBUS STREET	1264.34	1264.36	1264.37	1264.39	1264.40	1264.42	1264.43	1264.45	1264.46	1264.48	1264.49	1264.51	1264.52	1264.54	1264.55	1264.57	1264.58	1264.60	1264.61	1264.63	1264.64
WEST EDGE OF SLAB	1264.06	1264.07	1264.09	1264.10	1264.12	1264.13	1264.15	1264.16	1264.18	1264.19	1264.21	1264.22	1264.24	1264.25	1264.27	1264.28	1264.30	1264.31	1264.33	1264.34	1264.36

NO. DATE STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-37-478 EKK CK'D SHEET 11 **SUPERSTRUCTURE DETAILS**



COLUMBUS STREET - SOUTH OF BRIDGE

STATION				AREA (SF)			ı	NCREMENTAL VOL (CY) ((UNADJU	STED)		CUMULATIVE VOL (CY)			
	REAL STATION	DISTANCE	CIT	SALVAGED/UNUSABLE	.	MARCH EVO	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARCH EVO	CUT EXPANDED FILL EXPANDED MARSH BACKFILL		REDUCED MARSH IN FILL	MASS ORDINATE	
			CUT	PAVEMENT MATERIAL	FILL	MARSH EXC		PAVEMENT MATERIAL		MARSH EXC	1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
8+64.00	864.00	0.00	28.82	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
8+75.00	875.00	11.00	26.54	0.00	0.76	0.00	11	0	0	0	11	0	0	0	11
8+89.00	889.00	14.00	25.07	0.00	3.60	0.00	13	0	1	0	24	1	0	0	23
9+00.00	900.00	11.00	23.47	0.00	9.67	0.00	10	0	3	0	34	5	0	0	29
9+25.00	925.00	25.00	19.20	0.00	8.61	0.00	20	0	8	0	54	15	0	0	39
9+50.00	950.00	25.00	28.33	0.00	17.93	0.00	22	0	12	0	76	30	0	0	46

COLUMBUS STREET - NORTH OF BRIDGE

			AREA (SF) INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)										
STATION	REAL STATION	DISTANCE	CUT	SALVAGED/UNUSABLE	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
			COT	PAVEMENT MATERIAL	FILL	WIAKSH EXC		TAVENCENT MATERIAL		MAKSH EXC	1.00	1.25	1.25 1.00		
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
10+50.00	1050.00	0.00	37.68	0.00	5.20	0.00	0	0	0	0	0	0	0	0	0
10+75.00	1075.00	25.00	26.58	0.00	16.89	0.00	30	0	10	0	30	13	0	0	18
11+00.00	1100.00	25.00	24.14	0.00	8.59	0.00	23	0	12	0	53	28	0	0	26
11+11.00	1111.00	11.00	24.43	0.00	5.86	0.00	10	0	3	0	63	31	0	0	32
11+25.00	1125.00	14.00	25.97	0.00	3.36	0.00	13	0	2	0	76	34	0	0	42
11+36.00	1136.00	11.00	26.70	0.00	0.00	0.00	11	0	1	0	87	35	0	0	52

NOTES:

1 - CUT

2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL

3 - FILL

4 - EXPANDED MARSH BACKFILL

5 - REDUCED MARSH IN FILL

8 - MASS ORDINATE

CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

THIS DOES NOT SHOW UP IN CROSS SECTIONS

THIS DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)

6 - REDUCED MARSH IN FILL

8 - MASS ORDINATE

LE MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED BS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

PLOT DATE: 8/27/2024 6:33 AM

PLOT BY: SHAWN DOLENS

PLOT NAME:

PLOT SCALE :

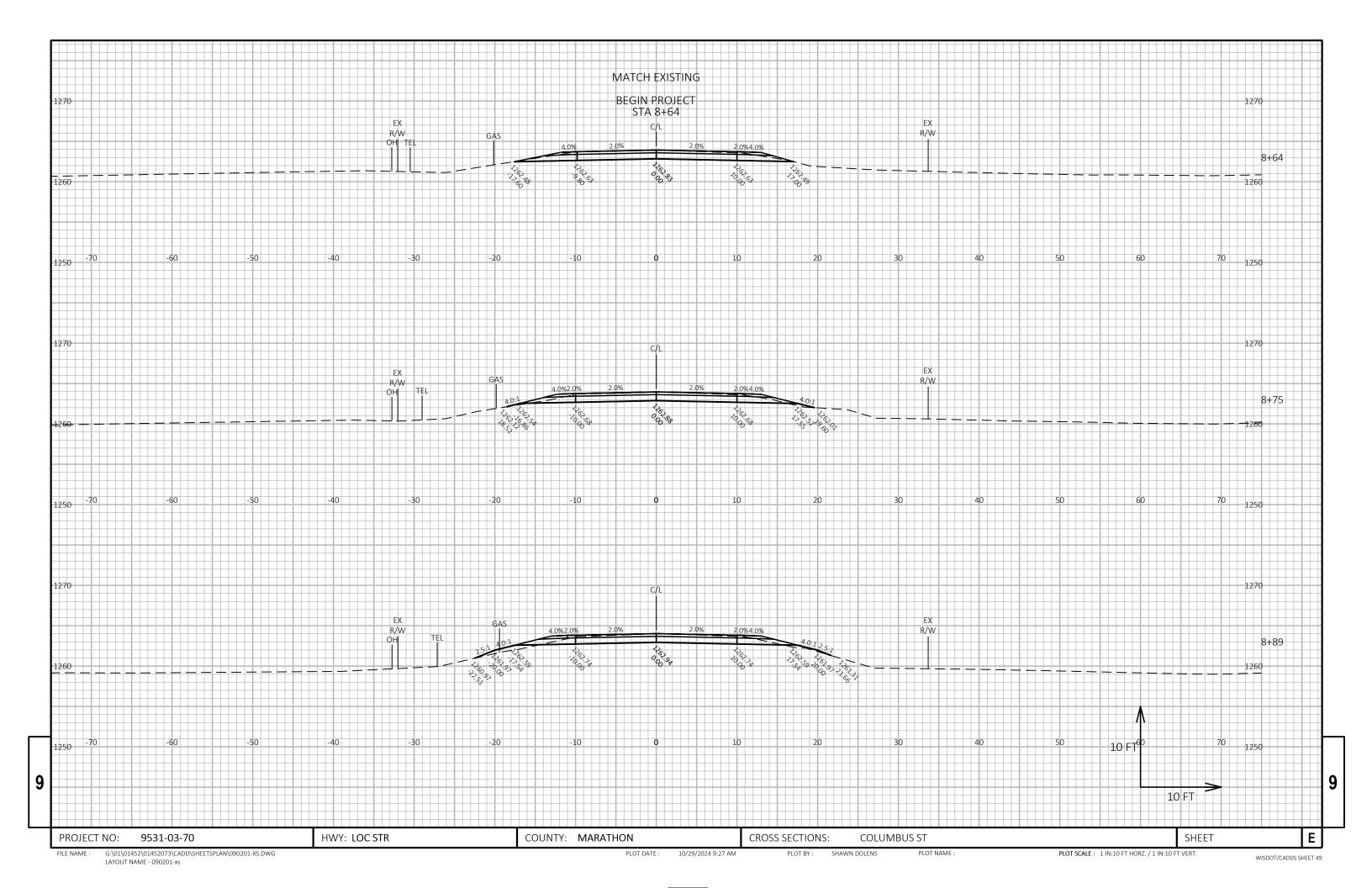
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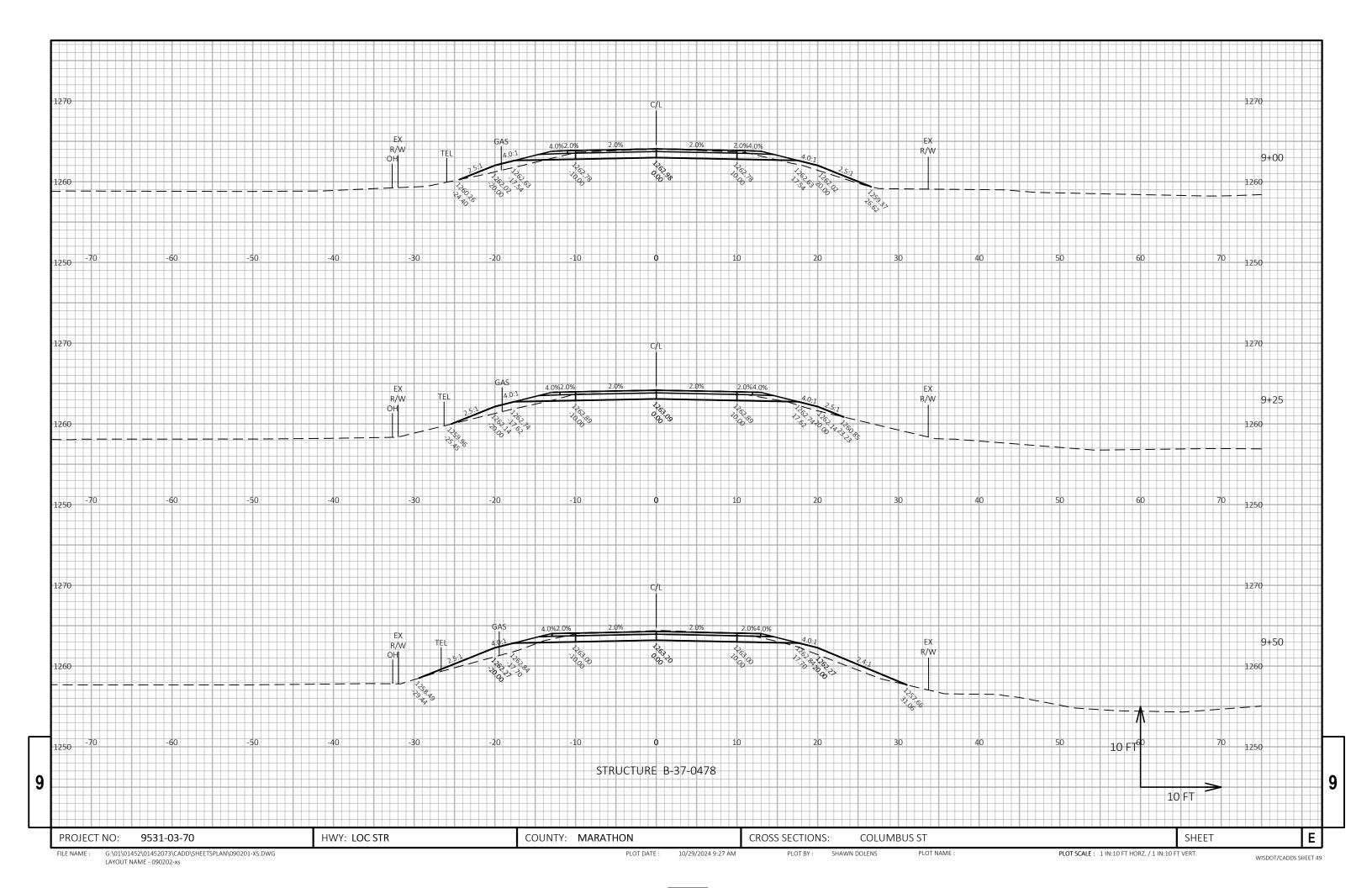
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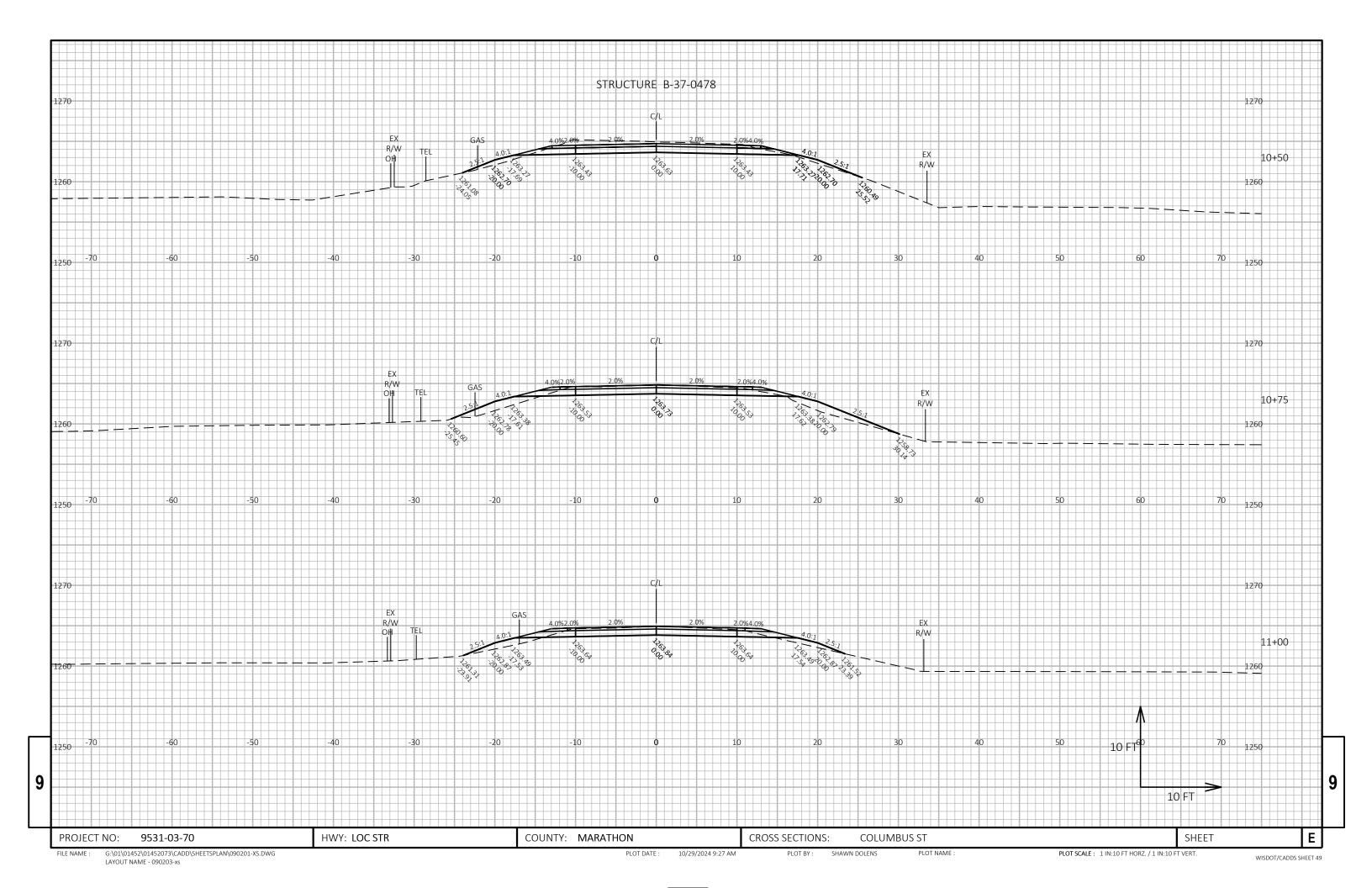
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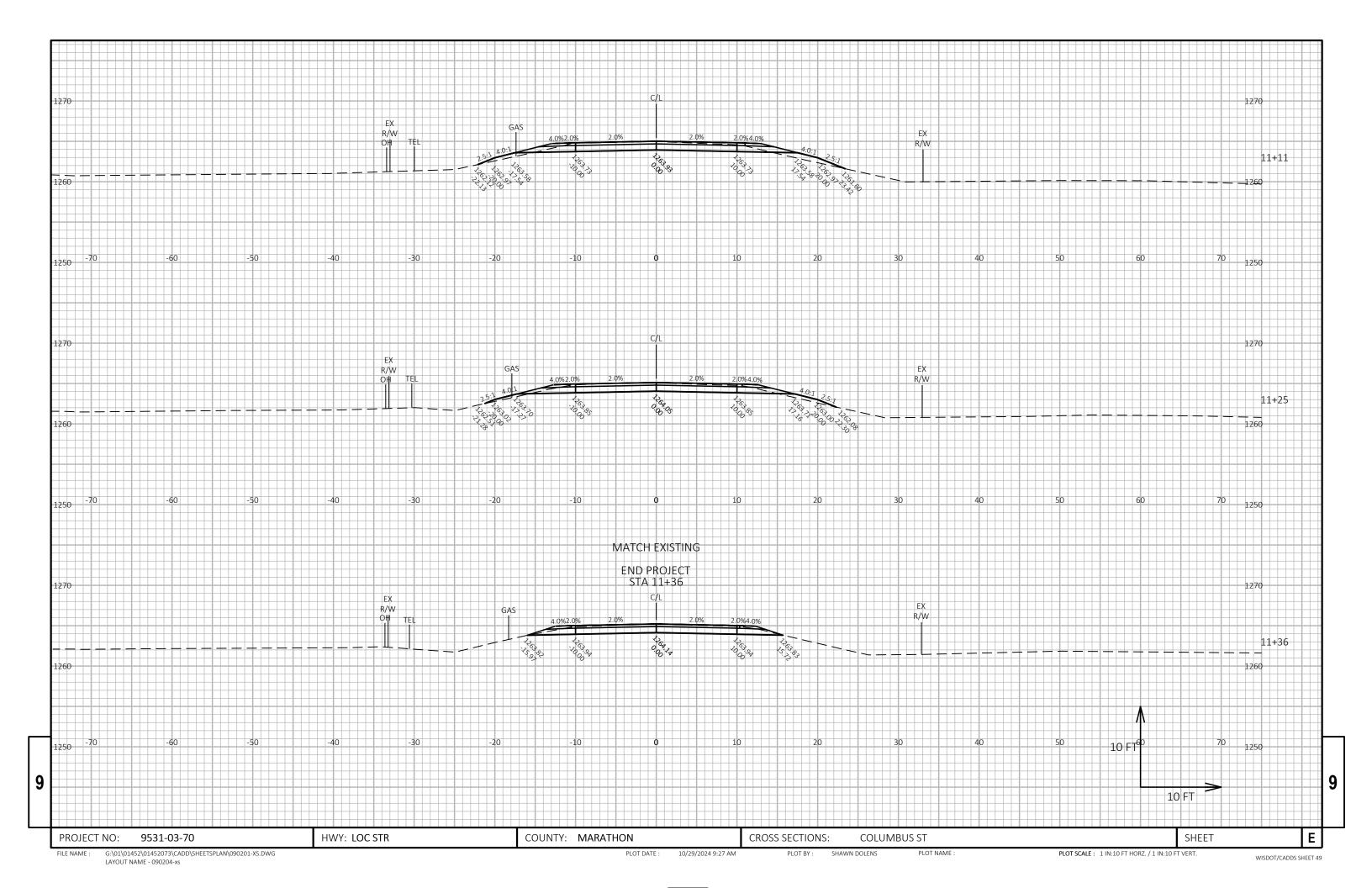
WISDOT/CADDS SHEET 49

E









Notes



Wisconsin Department of Transportation

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