Section No.

Section No.

Section No.

Section No.

Section No.

TOTAL SHEETS = 44

Plan and Profile (Includes Erosion Control Details)

Standard Detail Drawings

Computer Earthwork Data

Cross Sections

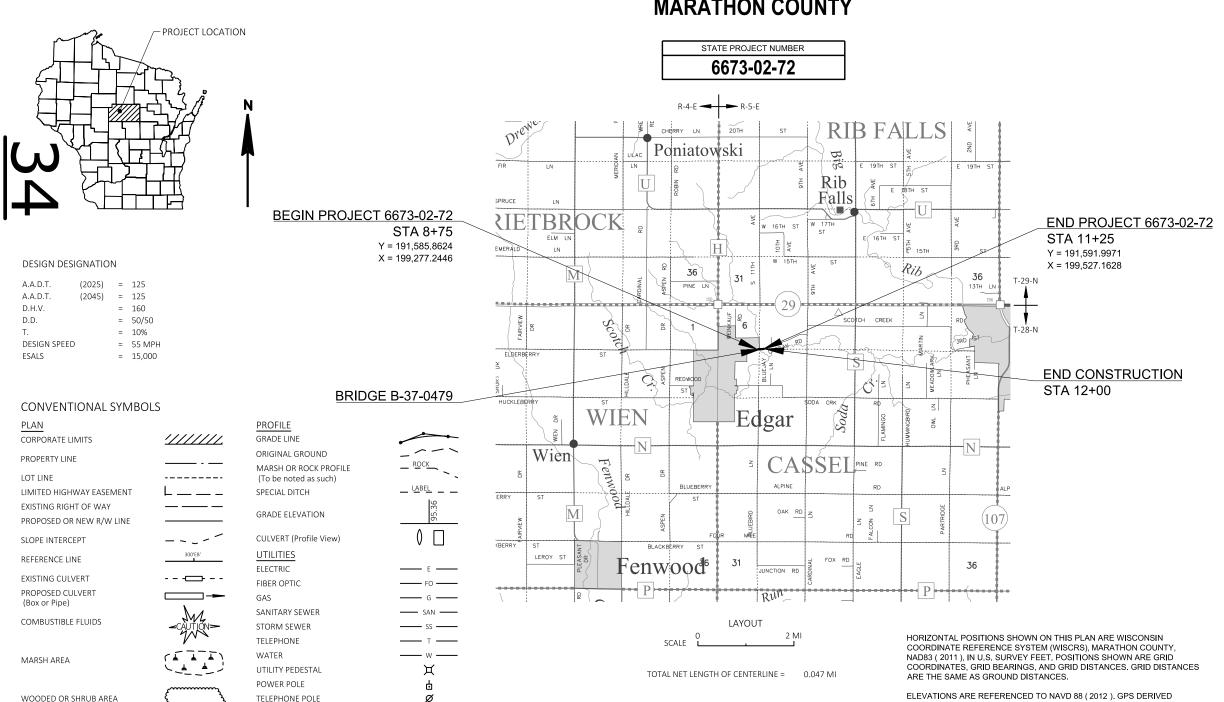
NOVEMBER 2024 ORDER OF SHEETS Section No. 1 Title Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities

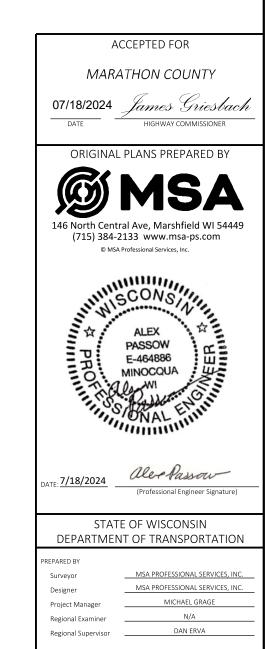
PLAN OF PROPOSED IMPROVEMENT

T CASSEL, CHESAK ROAD

BR SCOTCH CREEK CROSSING B-37-0479

LOC STR MARATHON COUNTY





TE.7/22/2024

FEDERAL PROJECT

PROJECT

WISC 2025054

CONTRACT

STATE PROJECT

6673-02-72

FILE NAME : G:\01\01452\01452074\CADD\SHEETSPLAN\010101-TI.DWG

PLOT DATE: 7/18/2024 9:32 AM

PLOT BY :

SHAWN DOLENS

ELEVATIONS ARE BASED ON GEOID 18

PLOT NAME :

UTILITIES CONTACTS

EDGAR PUBLIC WORKS

WATER BILL TESS PO BOX 67 EDGAR, WI 54426

PHONE: 715-615-2964 (MOBILE) EMAIL: BILL.TESS@EDGARWI.ORG

FRONTIER

COMMUNICATIONS CHRIS POLLACK 521 4TH STREET WAUSAU, WI 54403

PHONE: 715-847-1240 (OFFICE) EMAIL: CHRISTOPHER.POLLACK@FTR.COM

WISCONSIN PUBLIC SERVICE

ELECTRIC JESS PATTEN P.O. BOX 1166

WAUSAU, WI 54402-1166 PHONE: 715-848=7405 (OFFICE) PHONE: 715-573-0349 (MOBILE)

EMAIL: JESSE.PATTEN@ WISCONSINPUBLICSERVICE.COM

WISCONSIN DNR LIAISON

JAY SCHIEFELBEIN NORTH CENTRAL REGION 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

MICHAEL GRAGE NORTH CENTRAL REGION 510 N. HANSON LAKE ROAD RHINELANDER, WI 54501 PHONE: 715-365-5705 EMAIL: MICHAEL.GRAGE@DOT.WI.GOV

DESIGN CONTACT

SEAN SPROMBERG, PE MSA PROFESSIONAL SERVICES, INC. 146 NORTH CENTRAL AVE 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
CB	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
FA	EACH	SHLDR	SHOULDER
EB	EASTBOUND	SW	SIDEWALK
EL OR ELEV	ELEVATION	SB	SOUTHBOUND
		SPECS	SPECIFICATIONS
EMB	EMBANKMENT		SQUARE FEET
EW	ENDWALL	SF	
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
CWT	HUNDRED WEIGHT	T	TRUCKS (PERCENT OF)
IN DIA	INCH DIAMETER	TYP	TYPICAL
INL	INLET	USH	UNITED STATES HIGHWAY
ID	INSIDE DIAMETER	VAR	VARIABLE
INTERS	INTERSECTION	VC	VERTICAL CURVE
IH	INTERSTATE HIGHWAY	VPC	VERTICAL POINT OF CURVATURE
INV	INVERT	VPI	VERTICAL POINT OF INTERSECTION
JT	JOINT	VPT	VERTICAL POINT OF TANGENCY
LT	LEFT	W	WEST
L	LENGTH OF CURVE	WB	WESTBOUND
L	LLINGTH OF CORVE	VVD	MATOLOGOMA

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
WEDIAN STRIPTORF:	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.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:						.40	.60					

TOTAL PROJECT AREA = <u>0.53</u> ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.35 ACRES

HWY: LOC STR

COUNTY: MARATHON

GENERAL NOTES

Dial (800)242-8511

www.DiggersHotline.com

LINEAR FOOT

SHEET

G:\01\01452\01452074\CADD\SHEETSPLAN\020101-GN.DWG FILE NAME :

6673-02-72

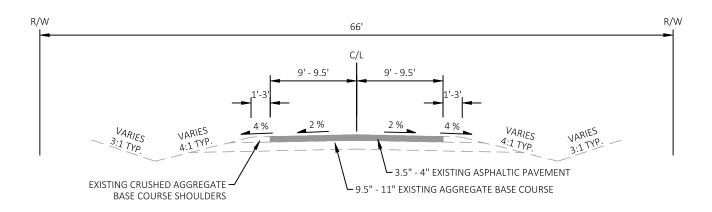
PROJECT NO:

5/21/2024 1:02 PM

PLOT BY: SHAWN DOLENS

PLOT NAME :

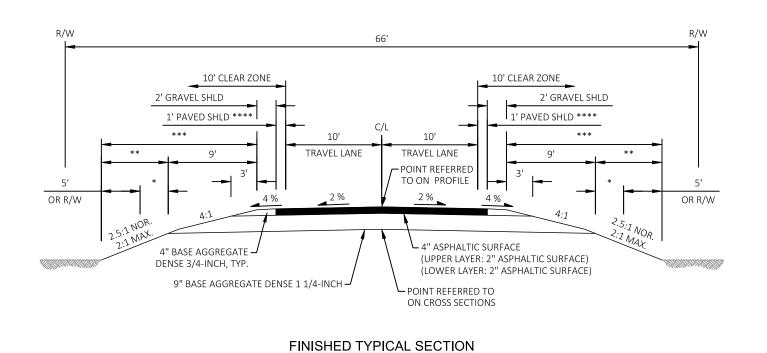
PLOT SCALE :



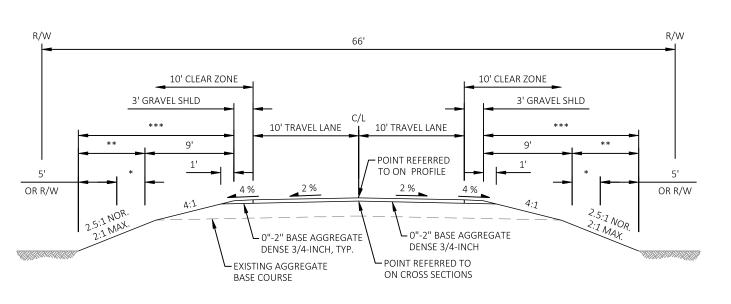
EXISTING TYPICAL SECTION STA 8+75 - STA 12+00

- LIMITS OF TOPSOIL
- LIMITS OF EROSION MAT URBAN CLASS 1 TYPE B
- *** LIMITS OF SEEDING MIXTURE NO. 20,
 SEEDING TEMPORARY & FERTILIZER TYPE B

 **** PAVE SHOULDER FULL WIDTH AT STRUCTURE ENDS



STA 8+75 - STA 11+25

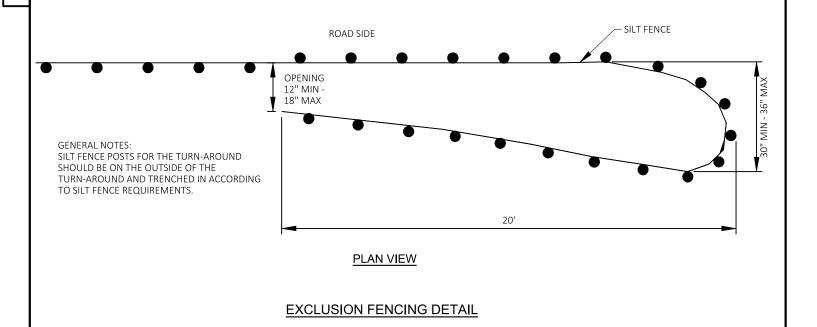


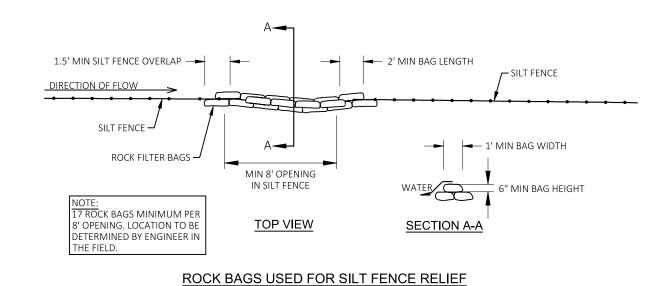
FINISHED TYPICAL SECTION

STA 11+25 - STA 12+00

Ε PROJECT NO: 6673-02-72 HWY: LOC STR COUNTY: MARATHON **TYPICAL SECTIONS** SHEET FILE NAME : G:\01\01452\01452074\CADD\SHEETSPLAN\020301-TS.DWG PLOT DATE : 9/25/2024 12:25 PM PLOT BY: SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42

FILE NAME :





PROJECT NO: 6673-02-72 HWY: LOC STR COUNTY: MARATHON CONSTRUCTION DETAILS SHEET **E**

PLOT BY: SHAWN DOLENS

G:\01\01452\01452\074\CADD\\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021001-cd

PLOT DATE : 9/25/2024 12:12 PM

LAYOUT NAME - 021001-cd

cc-	70	Δ	70
667	/ .3-	. 11/	-//

					6673-02-72	
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-37-249	EACH	1.000	1.000	
8000	204.0165	Removing Guardrail	LF	344.000	344.000	
0010	205.0100	Excavation Common	CY	234.000	234.000	
0012	206.1001	Excavation for Structures Bridges (structure) 01. B-37-479	EACH	1.000	1.000	
0014	210.1500	Backfill Structure Type A	TON	366.000	366.000	
0016	213.0100	Finishing Roadway (project) 01. 6673-02-72	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	64.000	64.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	360.000	360.000	
0022	455.0605	Tack Coat	GAL	36.000	36.000	
0024	465.0105	Asphaltic Surface	TON	120.000	120.000	
0026	502.0100	Concrete Masonry Bridges	CY	149.000	149.000	
0028	502.3200	Protective Surface Treatment	SY	197.000	197.000	
0030	505.0400	Bar Steel Reinforcement HS Structures	LB	4,080.000	4,080.000	
0032	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	22,020.000	22,020.000	
0034	513.4061	Railing Tubular Type M	LF	98.000	98.000	
0036	516.0500	Rubberized Membrane Waterproofing	SY	10.000	10.000	
0038	550.0500	Pile Points	EACH	14.000	14.000	
0040	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	595.000	595.000	
0042	606.0300	Riprap Heavy	CY	120.000	120.000	
0044	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	138.000	138.000	
0046	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6673-02-72	EACH	1.000	1.000	
0048	619.1000	Mobilization	EACH	1.000	1.000	
0050	624.0100	Water	MGAL	10.000	10.000	
0052	625.0100	Topsoil	SY	525.000	525.000	
0054	628.1504	Silt Fence	LF	690.000	690.000	
0056	628.1520	Silt Fence Maintenance	LF	690.000	690.000	
0058	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000	
0060	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000	
0062	628.2008	Erosion Mat Urban Class I Type B	SY	525.000	525.000	
0064 0066	628.6005 628.7504	Turbidity Barriers	SY LF	160.000 20.000	160.000 20.000	
0068	628.7570	Temporary Ditch Checks Rock Bags	EACH	70.000	70.000	
0070	629.0210	Fertilizer Type B	CWT	0.420	0.420	
0070	630.0120	Seeding Mixture No. 20	LB	17.000	17.000	
0072	630.0200	Seeding Temporary	LB	17.000	17.000	
0074	630.0500	Seed Water	MGAL	10.000	10.000	
0078	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0070	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0082	638.2602	Removing Signs Type II	EACH	6.000	6.000	
0084	638.3000	Removing Small Sign Supports	EACH	6.000	6.000	
0086	642.5001	Field Office Type B	EACH	1.000	1.000	
0088	643.0420	Traffic Control Barricades Type III	DAY	1,450.000	1,450.000	
0090	643.0705	Traffic Control Warning Lights Type A	DAY	2,260.000	2,260.000	
0092	643.0900	Traffic Control Signs	DAY	1,130.000	1,130.000	
0094	643.5000	Traffic Control	EACH	1.000	1.000	
0096	645.0111	Geotextile Type DF Schedule A	SY	84.000	84.000	
0098	645.0120	Geotextile Type HR	SY	235.000	235.000	
		- 7r	~ .			

Estimate Of Quantities

6673-02-72

Page

Item	Item Description	Unit	Total	Qty
550.4500	Construction Staking Subgrade	LF	204.000	204.000
550.5000	Construction Staking Base	LF	279.000	279.000
350.6501	Construction Staking Structure Layout (structure) 01. B-37-479	EACH	1.000	1.000
550.9911	Construction Staking Supplemental Control (project) 01. 6673-02-72	EACH	1.000	1.000
550.9920	Construction Staking Slope Stakes	LF	279.000	279.000
15.0502	Incentive Strength Concrete Structures	DOL	700.000	700.000
999.2000.S	Installing and Maintaining Bird Deterrent System (station) Station 10+00	EACH	1.000	1.000
ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
6 ! 6 ! 6 ! 6 ! 6 ! 6 ! 6 ! 6 ! 6 ! 6 !	50.4500 50.5000 50.6501 50.9911 50.9920 15.0502 99.2000.S SP.1T0A	Construction Staking Subgrade Construction Staking Base Construction Staking Structure Layout (structure) 01. B-37-479 Construction Staking Supplemental Control (project) 01. 6673-02-72 Construction Staking Slope Stakes	Construction Staking Subgrade LF CO.5000 Construction Staking Base LF CO.6501 Construction Staking Structure Layout (structure) 01. B-37-479 EACH CO.9911 Construction Staking Supplemental Control (project) 01. 6673-02-72 EACH CO.9920 Construction Staking Slope Stakes LF CO.9920 Incentive Strength Concrete Structures DOL CO.992000.S Installing and Maintaining Bird Deterrent System (station) Station 10+00 EACH CO.5000 EACH EACH EACH EACH EACH EACH EACH EAC	Construction Staking Subgrade LF 204.000 Construction Staking Base LF 279.000 Construction Staking Base Construction Staking Structure Layout (structure) 01. B-37-479 EACH 1.000 Construction Staking Supplemental Control (project) 01. 6673-02-72 EACH 1.000 Construction Staking Slope Stakes LF 279.000 Construction Staking Slope Stakes LF

				201.0105	201.0205	
				CLEARING	GRUBBING	
STATION	TO	STATION	LOCATION	STA	STA	
8+75	-	11+25	LT & RT	4	4	
			TOTAL 0010	4	4	

204.0165 REMOVING GUARDRAIL STATION TO STATION LOCATION LF 9+02 - 9+83 9+02 - 9+82 RT 86 LT 86 10+18 - 11+03 LT 86 10+18 - 11+03 RT 86 TOTAL 0010 344

				205.0100
				EXCAVATION
				COMMON
STATION	TO	STATION	LOCATION	CY
8+75	-	9+77	MAINLINE	102
10+22	-	11+25	MAINLINE	132
			TOTAL 0010	234

					305.0110 BASE AGGREGATE	305.0120 BASE AGGREGATE	624.0100
					DENSE 3/4-INCH	DENSE 1 1/4-INCH	WATER
CATEGORY	STATION	TO	STATION	LOCATION	TON	TON	MGAL
0010	8+75	-	9+77	PROJECT	15	170	4
0010	10+23	-	11+25	PROJECT	15	170	4
				UNDISTRIBUTED	10	20	1
				TOTAL 0010	40	360	9
0030	11+25	_	12+00	PROJECT	24		1
				TOTAL 0030	24		1
				PROJECT TOTAL	64	360	10

				455.0605 TACK COAT	465.0105 ASPHALTIC SURFACE
STATION	ТО	STATION	LOCATION	GAL	TON
8+75		9+77	MAINLINE	18	60
8+75 10+23	-	9+77 11+25	MAINLINE	18	60
			TOTAL 0010	36	120

				628.1504	628.1520	628.1905	628.1910 MOBILIZATIONS
						MOBILIZATIONS	EMERGENCY
					SILT FENCE	EROSION	EROSION
				SILT FENCE	MAINTENANCE	CONTROL	CONTROL
STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH
							_
8+75	-	9+77	RT	150	150		
8+75	-	9+77	LT	150	150	==	==
10+23	-	11+25	LT	160	160		
10+23	-	11+25	RT	160	160		
			PROJECT			4	2
			UNDISTRIBUTED	70	70		
			TOTAL 0010	690	690	4	2

SHEET: Ε HWY: LOC STR COUNTY: MARATHON PROJECT NO: 6673-02-72 MISCELLANEOUS QUANTITIES

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: May 29, 2024 PLOT BY: A.R.H. PLOT NAME : PLOT SCALE: 1:1

628.6005 TURBIDITY BARRIERS

160

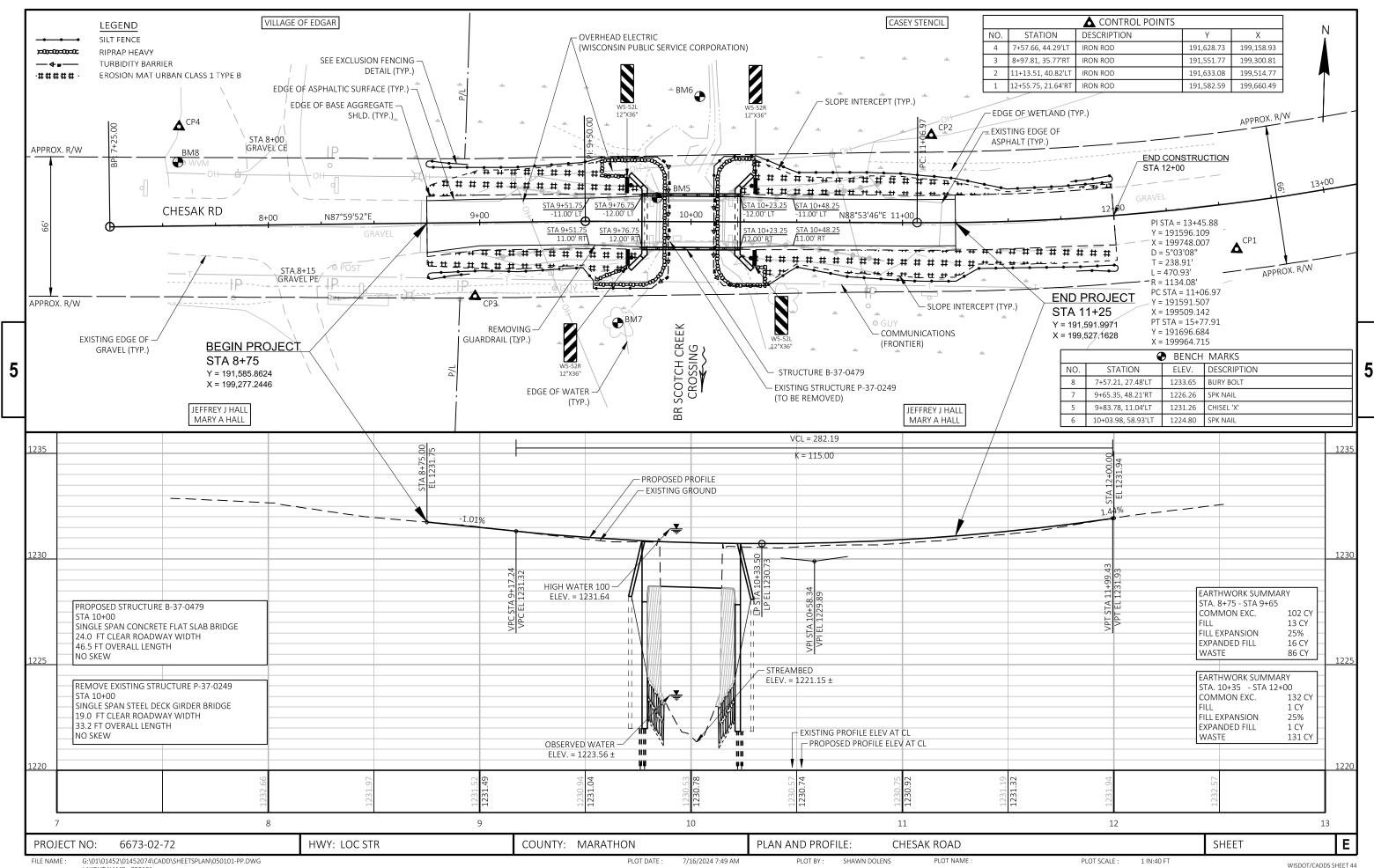
		625.0100	628.2008 EROSION MAT	628.7504	628.7570	629.0210	630.0120	630.0200	630.0500	
			URBAN CLASS I	TEMPORARY			SEEDING MIXTURE	SEEDING		
		TOPSOIL	TYPE B	DITCH CHECKS	ROCK BAGS	FERTILIZER TYPE B	NO. 20	TEMPORARY	SEED WATER	
STATION TO STAT	ION LOCATION	SY	SY	LF	EACH	CWT	LB	LB	MGAL	LOCATION
8+75 - 9+ ⁻	77 LT	118	118		15	0.08	4	4	2	PROJECT
8+75 - 9+ ⁻	77 RT	103	103		15	0.07	3	3	2	
10+23 - 11+	25 LT	164	164		15	0.11	5	5	3	TOTAL 0010
10+23 - 11+	25 RT	90	90		15	0.06	3	3	2	
	UNDISTRIBUTED	50	50	20	10	0.10	2	2	1	
	TOTAL 0010	525	525	20	70	0.42	17	17	10	

STATION	LOCATION	634.0612 POSTS WOOD 4X6- INCH X 12-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS		643.0420 TRAFFIC CONTROL BARRICADES TYPE	643.0705 TRAFFIC CONTROL WARNING LIGHTS	643.0900 TRAFFIC CONTROL
								III	TYPE A	SIGNS
	ADVANCED SIGN			1	1	W5-2	LOCATION	DAY	DAY	DAY
9+70	RT	1	3	1	1	W5-52R 12"X36"				
9+70	LT	1	3	1	1	W5-52L 12"X36"	PROJECT	1,260	1,960	980
10+40	LT	1	3	1	1	W5-52L 12"X36"	UNDISTRIBUTED	190	300	150
10+40	RT	1	3	1	1	W5-52R 12"X36"				
	ADVANCED SIGN			1	1	W5-2	TOTAL 0010	1,450	2,260	1,130
	TOTAL 0010	4	12	6	6					

					650.4500	650.5000	650.6501.01 CONSTRUCTION STAKING STRUCTURE	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL	650.9920
					CONSTRUCTION		LAYOUT	CONTROL	CONSTRUCTION
					STAKING	CONSTRUCTION	(STRUCTURE)	(PROJECT)	STAKING SLOPE
					SUBGRADE	STAKING BASE	(01. B-37-479)	(01. 6673-02-72)	STAKES
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	EACH	EACH	LF
0010	8+75	-	9+77	MAINLINE	102	102			102
0010	10+23	-	11+25	MAINLINE	102	102			102
				PROJECT			1	1	
				TOTAL 0010	204	204	1	1	204
0030	10+23	-	12+00	MAINLINE		75			75
				TOTAL 0030		75			75
				PROJECT TOTAL	204	279	1	1	279

PROJECT NO: 6673-02-72 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

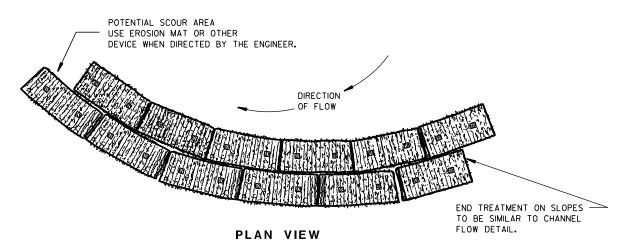
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES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

6

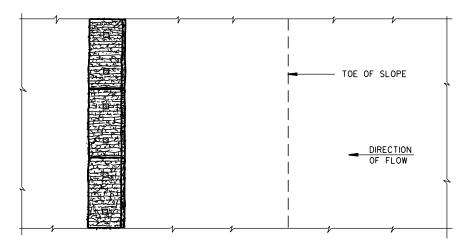
GENERAL NOTES

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

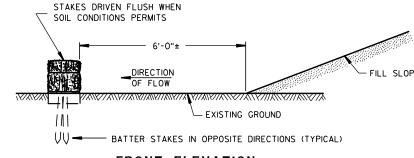
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

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

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TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

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



TRENCH DETAIL



SILT FENCE TIE BACK

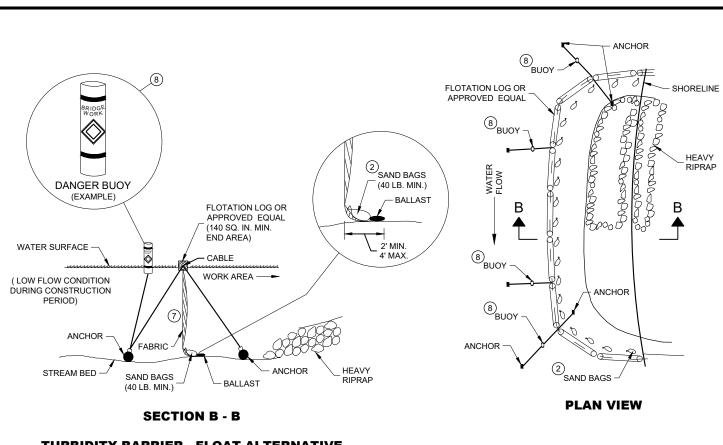
(WHEN REQUIRED BY THE ENGINEER)



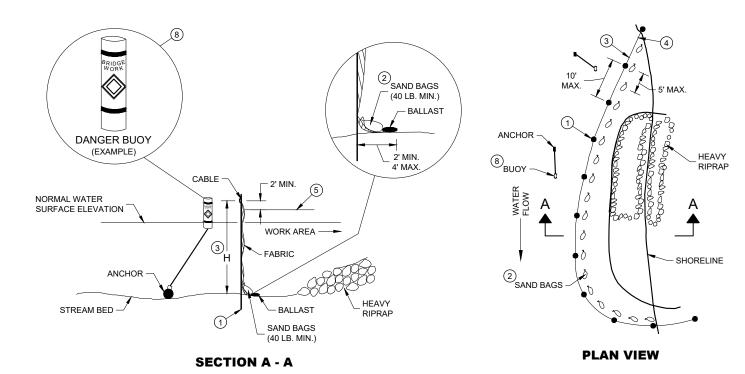
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D.D. 8 E 9-6



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

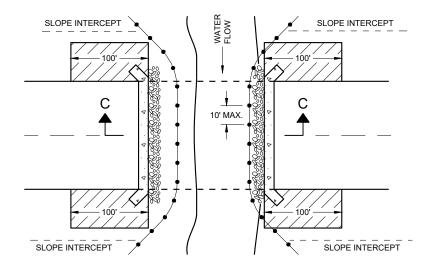
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

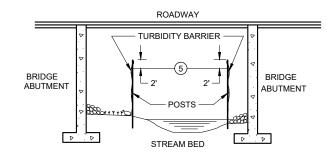
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

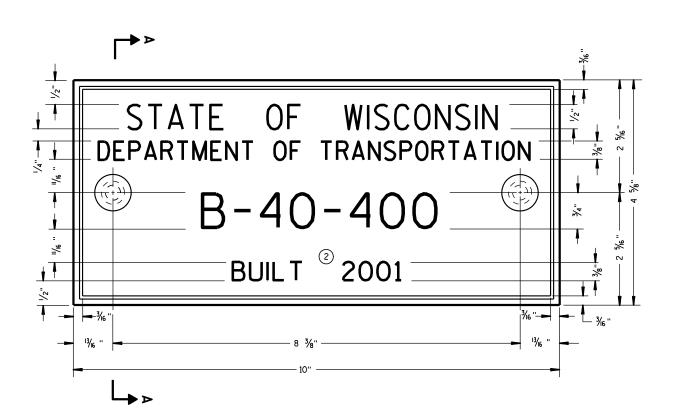
TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

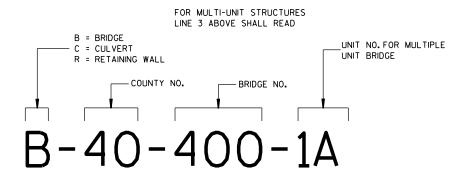
APPROVED /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT
ENGINEER 6/4/02 DATE





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



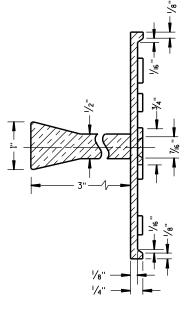
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

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.

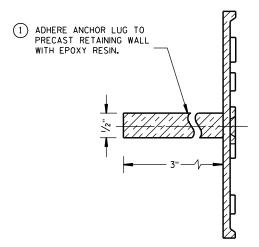
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

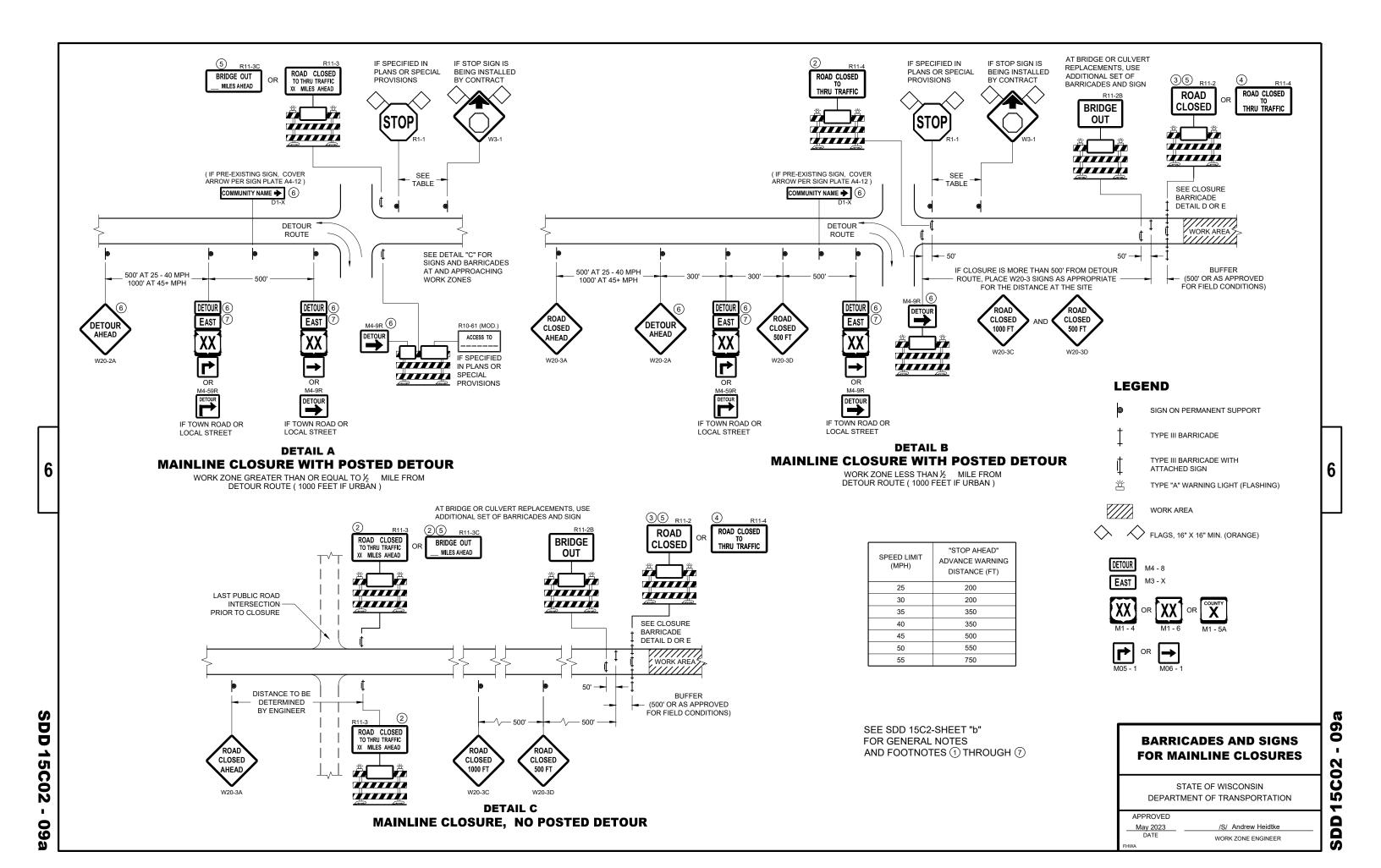
APPROVED

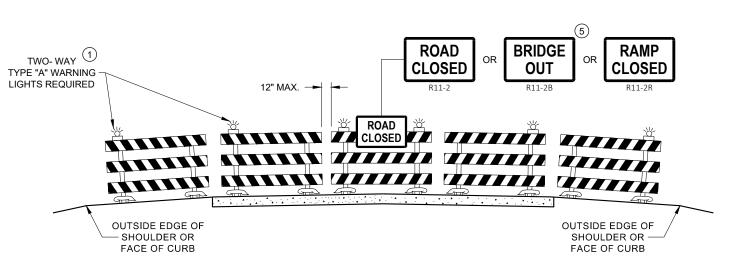
3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

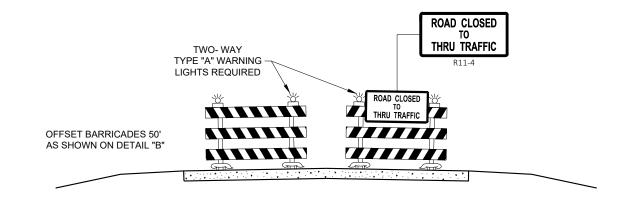
.D.D. 12 A

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**

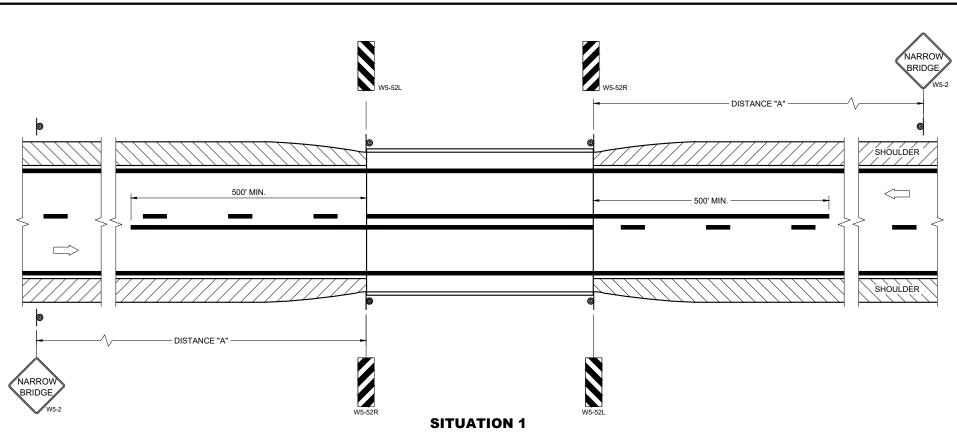
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE WORK ZONE ENGINEER

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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

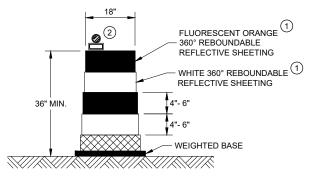
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

SDD 15C11

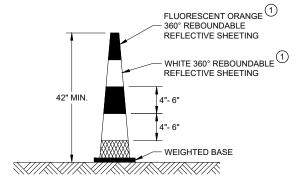
GENERAL NOTES

- (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.



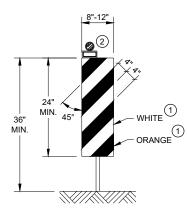
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



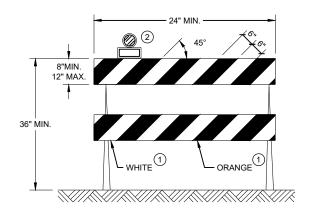
42" CONE

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



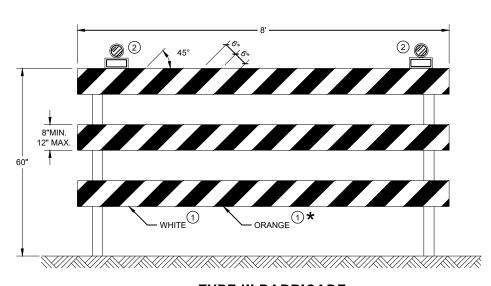
VERTICAL PANEL

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.

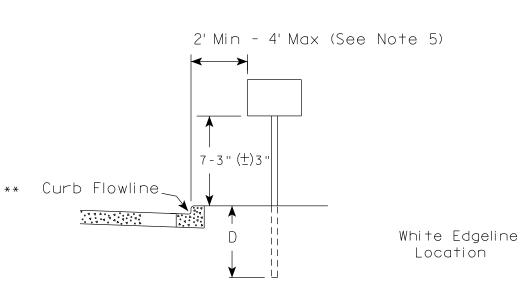
* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

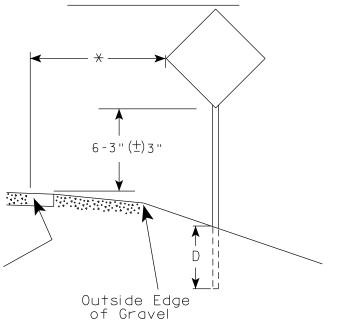
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

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





RURAL AREA (See Note 2)



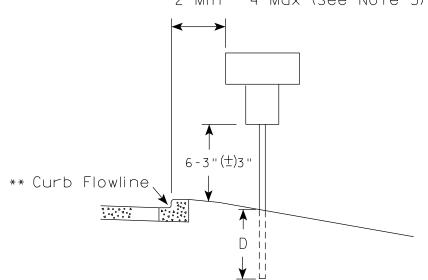
GENERAL NOTES

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

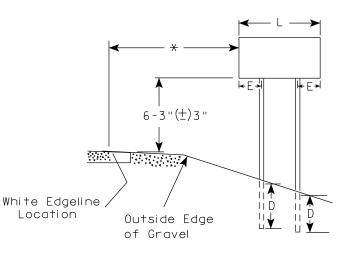
PLOT NAME :

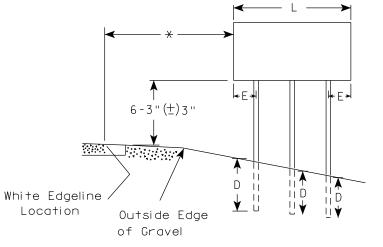
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

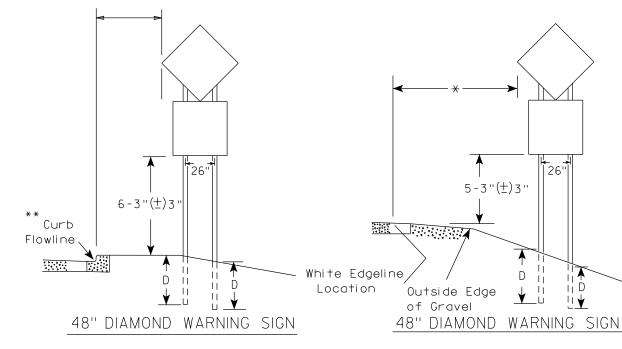
APPROVED

WISDOT/CADDS SHEET 42





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



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

HWY:

SIGN SHAPE OTHER THAN	DIAMOND								
(THREE POSTS REQUIRED)									
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:

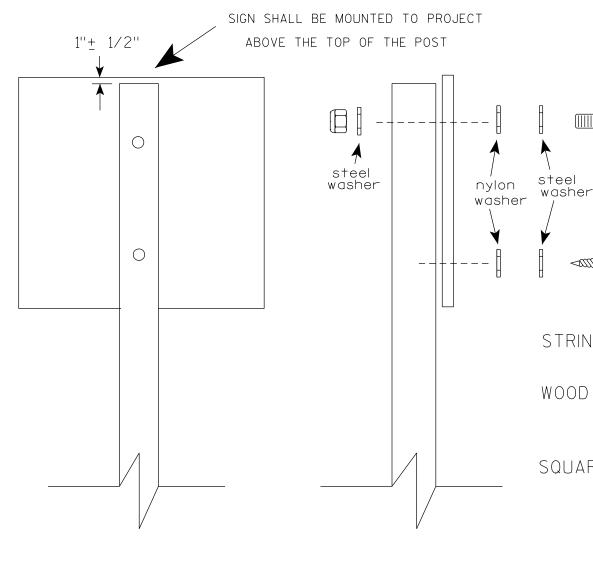
COUNTY:

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:

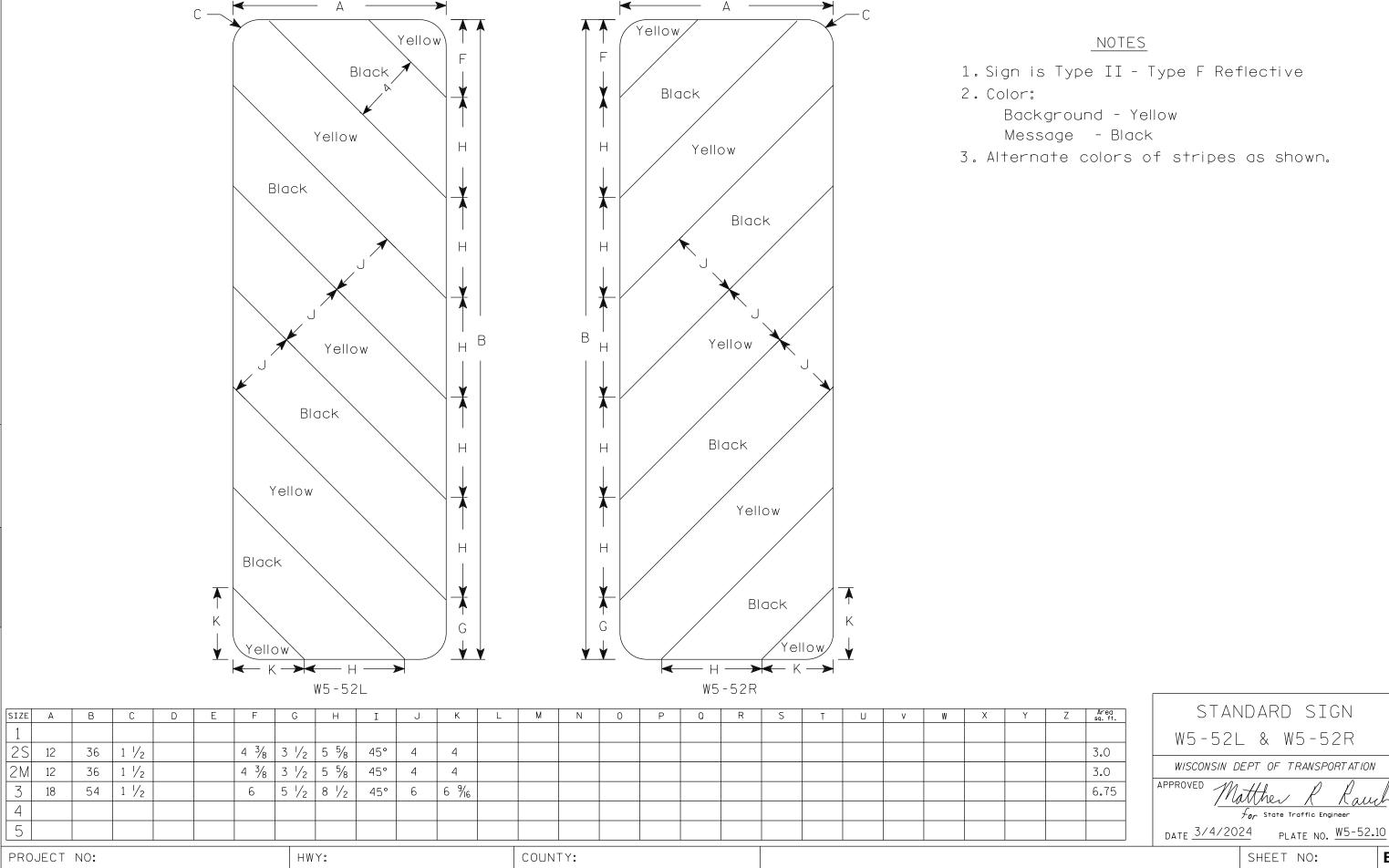
PLOT DATE: 19-APRIL 2022 11:55

SIGN

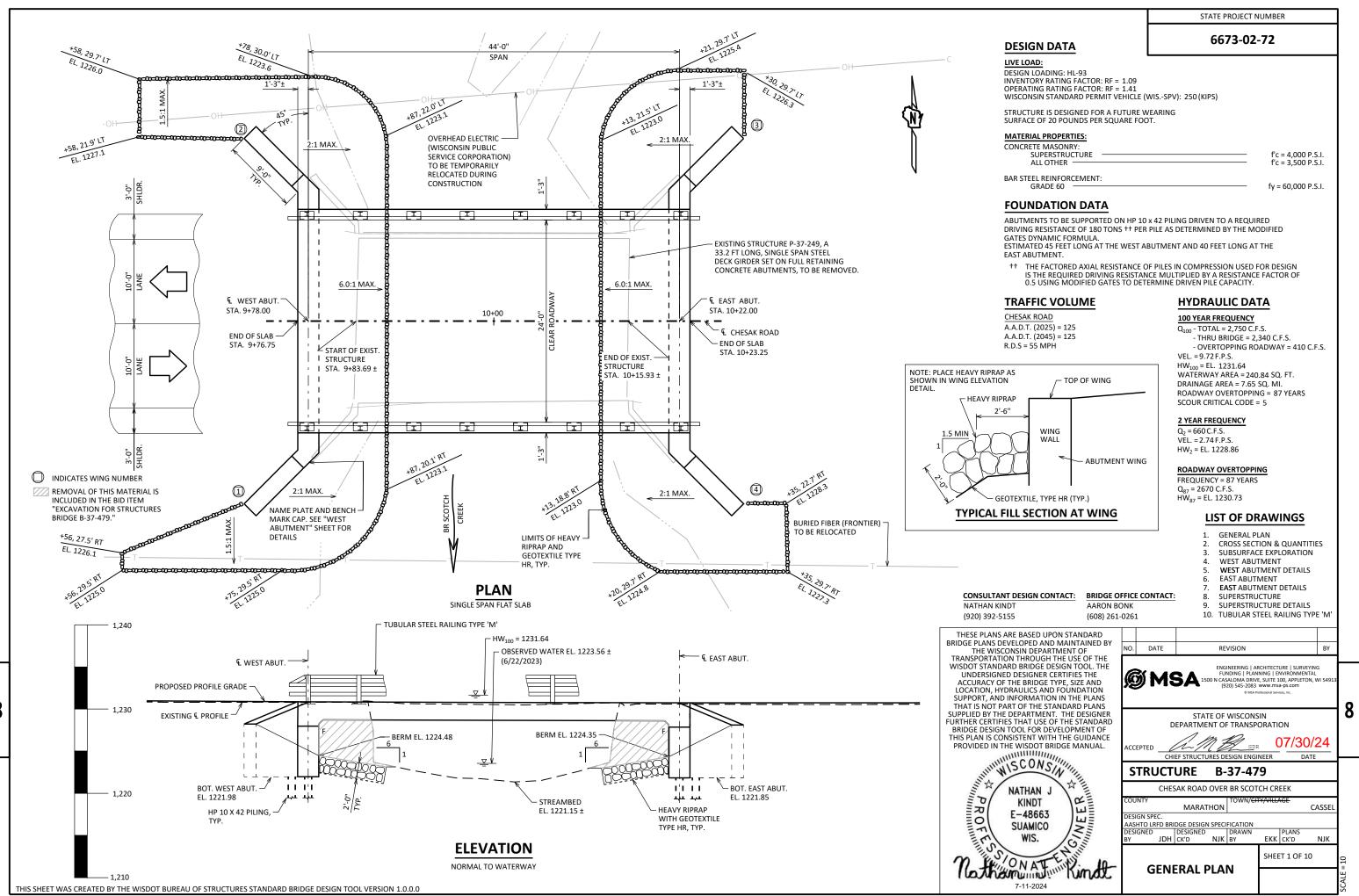
PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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



DESCRIPTION

CHISEL 'X'

SPK NAIL

SPK NAIL

BURY BOLT

GENERAL NOTES

STATE PROJECT NUMBER 6673-02-72

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-37-479" 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 PLANS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO "EXCAVATION FOR

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.

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 **TECHNOLOGY**



26'-6"

OUT TO OUT OF SUPERSTRUCTURE

24'-0"

CLEAR BETWEEN BARRIERS

10'-0"

LANE

TOP OF BERM

€ CHESAK ROAD

10'-0"

LANE

POINT REFERRED TO ON -PROFILE GRADE LINE

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"

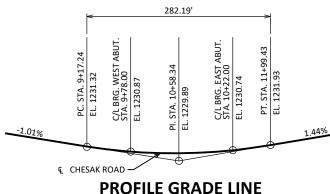
SHLD

SECTION A-A

SECTION B-B

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

PAVEMENT



PROFILE GRADE LINE

PROTECTIVE SURFACE TREATMENT LIMITS TOP OF WING TOP OF BERM **PROTECTIVE SURFACE** BOTTOM OF ABUTMENT TREATMENT DETAILS

STATION

9+83.78, 11.04' LT

10+03.98, 58.93' LT

9+65.35, 48.21' RT

7+57.21, 27.48' LT

6

TUBULAR STEEL RAILING TYPE 'M'

2'-0"

SHLD.

BOTTOM OF ABUTMENT

ELEV.

1231.26

1224.80

1226.26

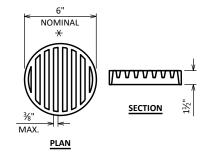
1233.65

BRIDGE ROADWAY **SUPERSTRUCTURE PAVEMENT** ABUTMENT - ROADWAY SUBSURFACE BACKFACE PAY LIMITS OF BACKFILL 🗘 ACKFILL 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 SHIFLD AT ENDS OF PIPE UNDERDRAIN

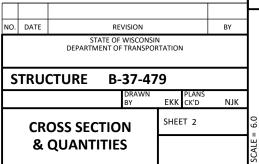


RODENT SHIELD DETAIL

★ 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.

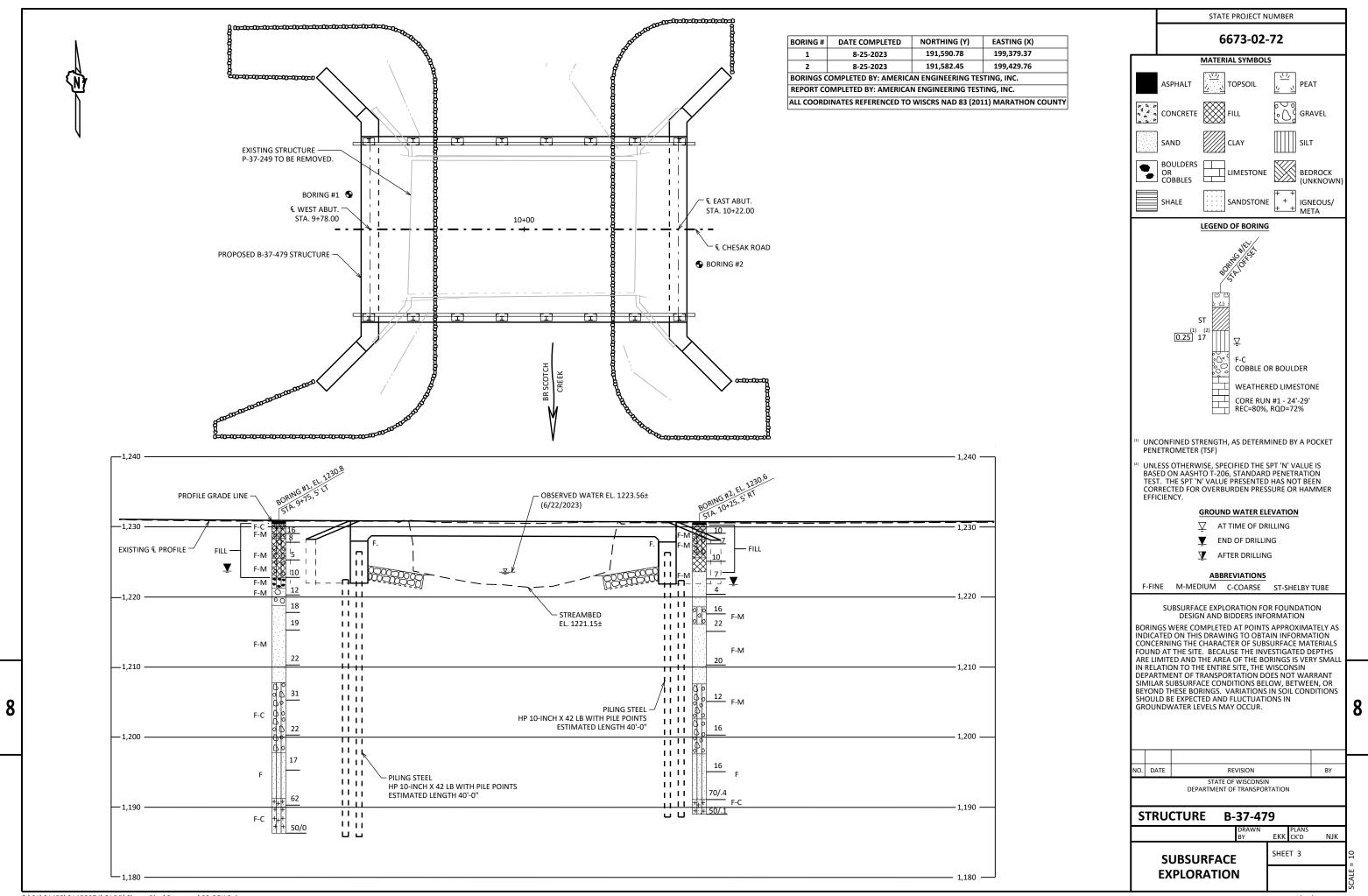


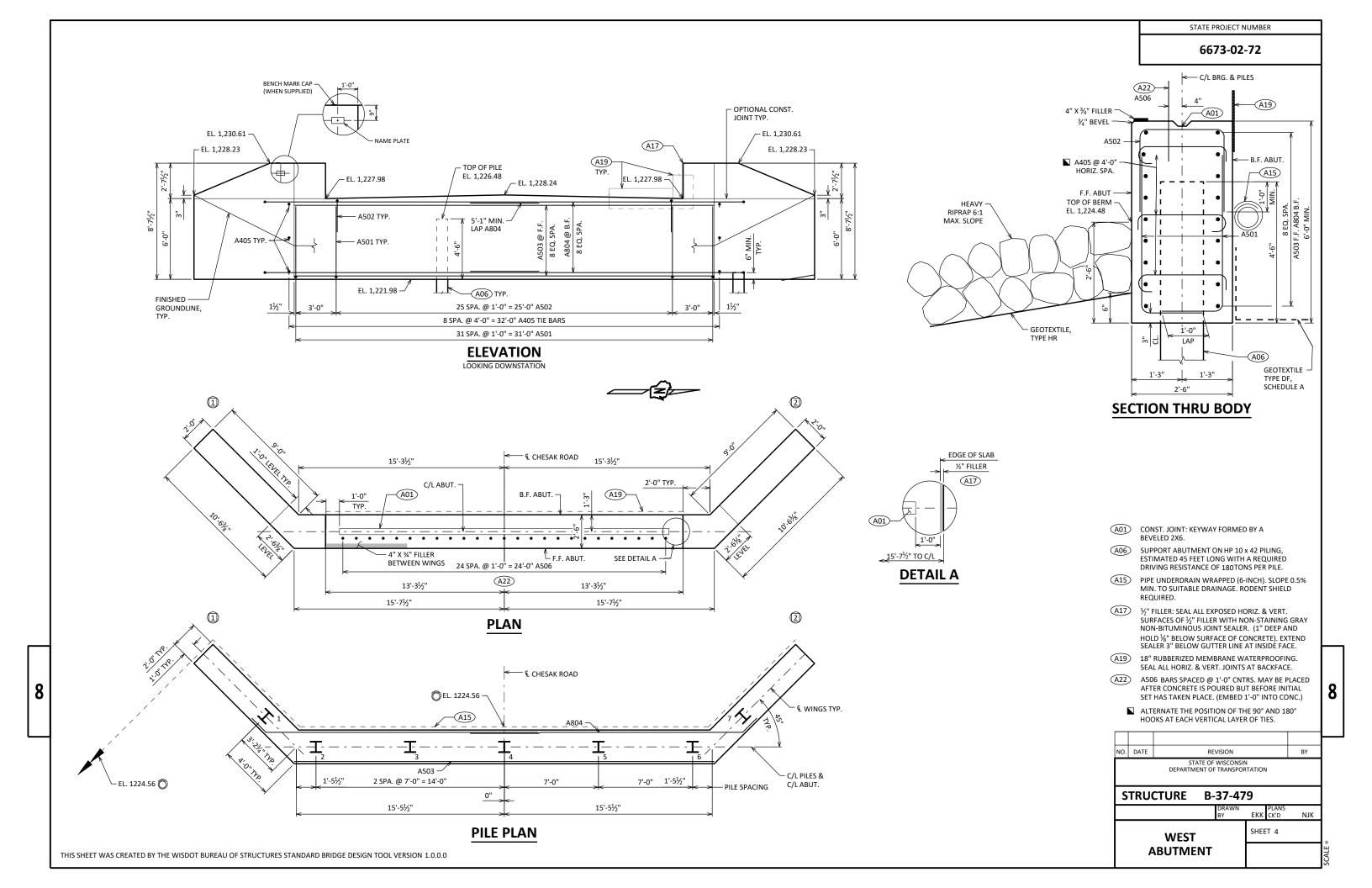
TOTAL ESTIMATED QUANTITIES

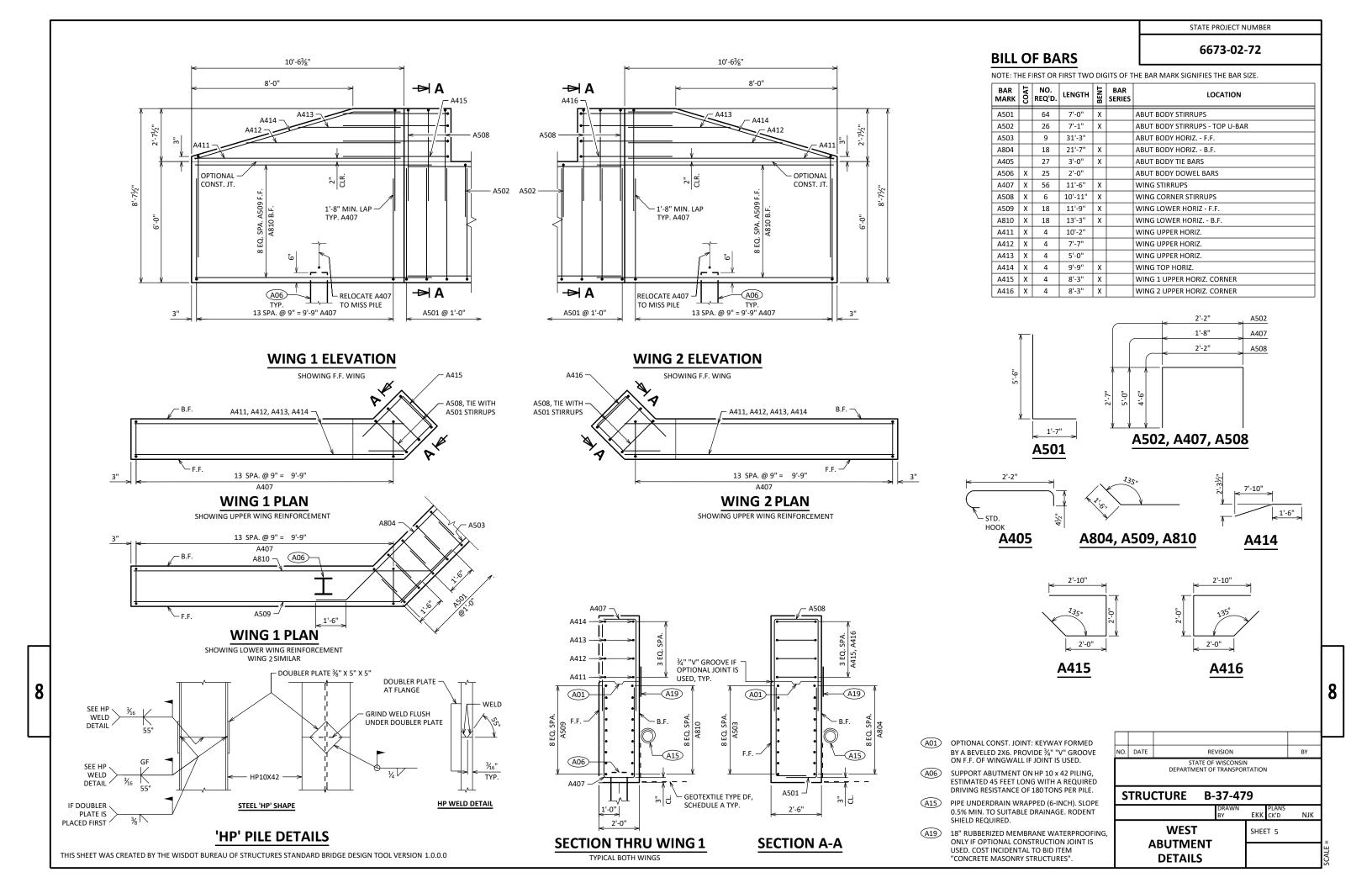
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	WEST ABUT.	EAST ABUT.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS P-37-249	EACH				1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-37-479	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON		183	183	366
502.0100	CONCRETE MASONRY BRIDGES	CY	89	30	30	149
502.3200	PROTECTIVE SURFACE TREATMENT	SY	163	17	17	197
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB		2,040	2,040	4,080
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	18,940	1,540	1,540	22,020
513.4061	RAILING TUBULAR TYPE M	LF	98			98
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		5	5	10
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		315	280	595
550.0500	PILE POINTS	EACH		7	7	14
606.0300	RIPRAP HEAVY	CY		65	55	120
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		69	69	138
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		42	42	84
645.0120	GEOTEXTILE TYPE HR	SY		130	105	235
	NON-BID ITEMS					
	FILLER	SIZE				1/2", 3/4"

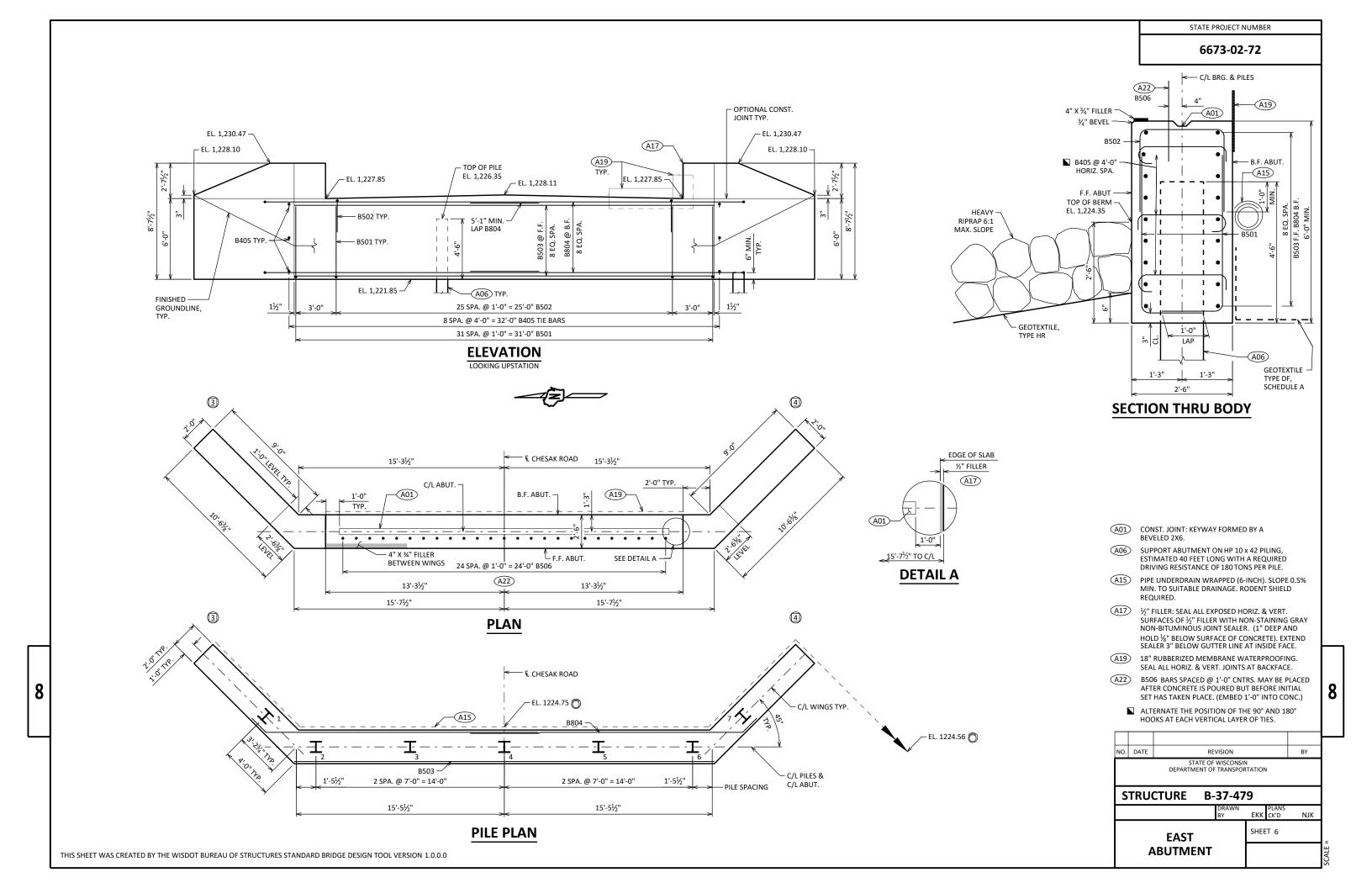
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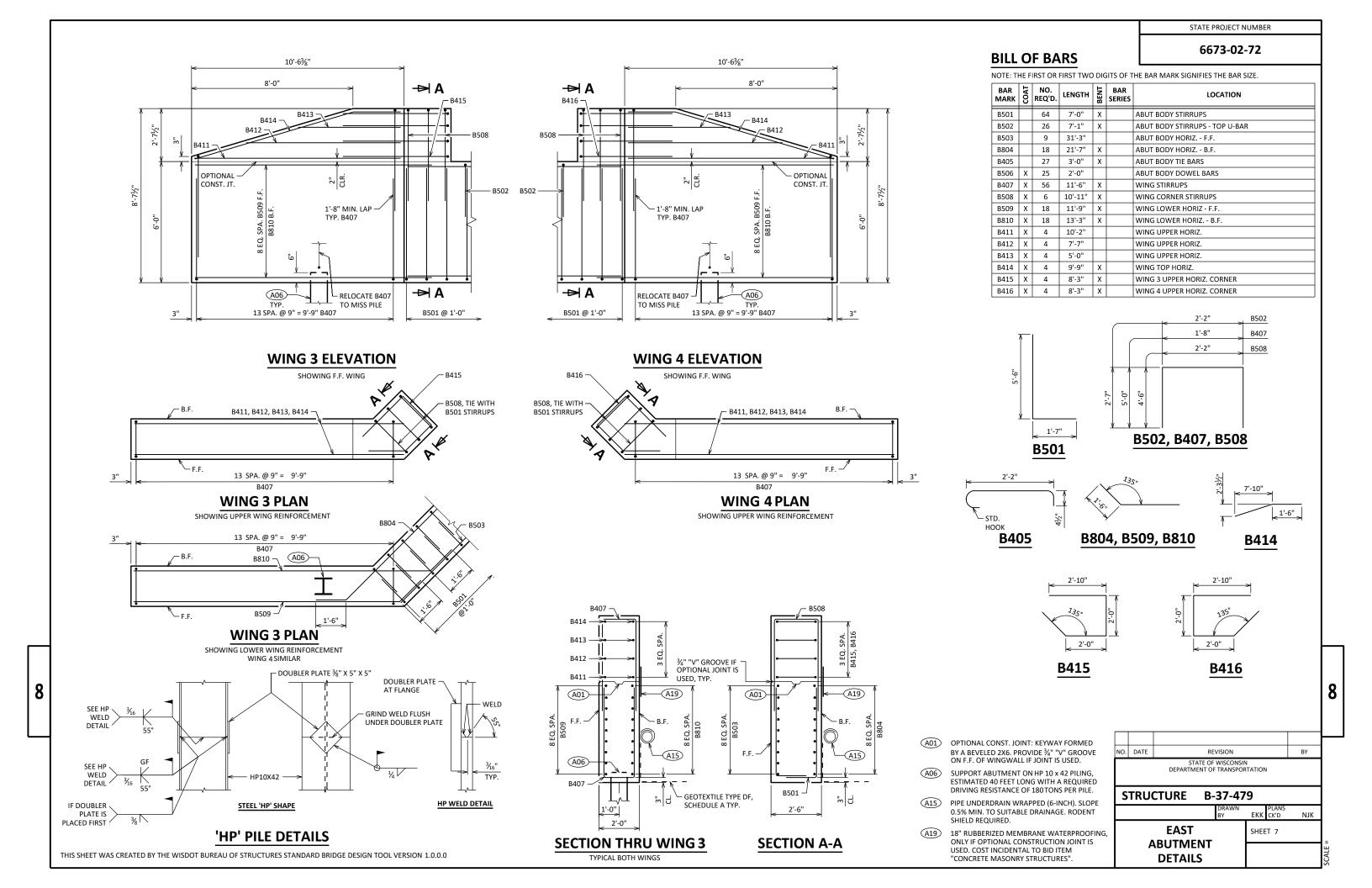
THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.1.0.0

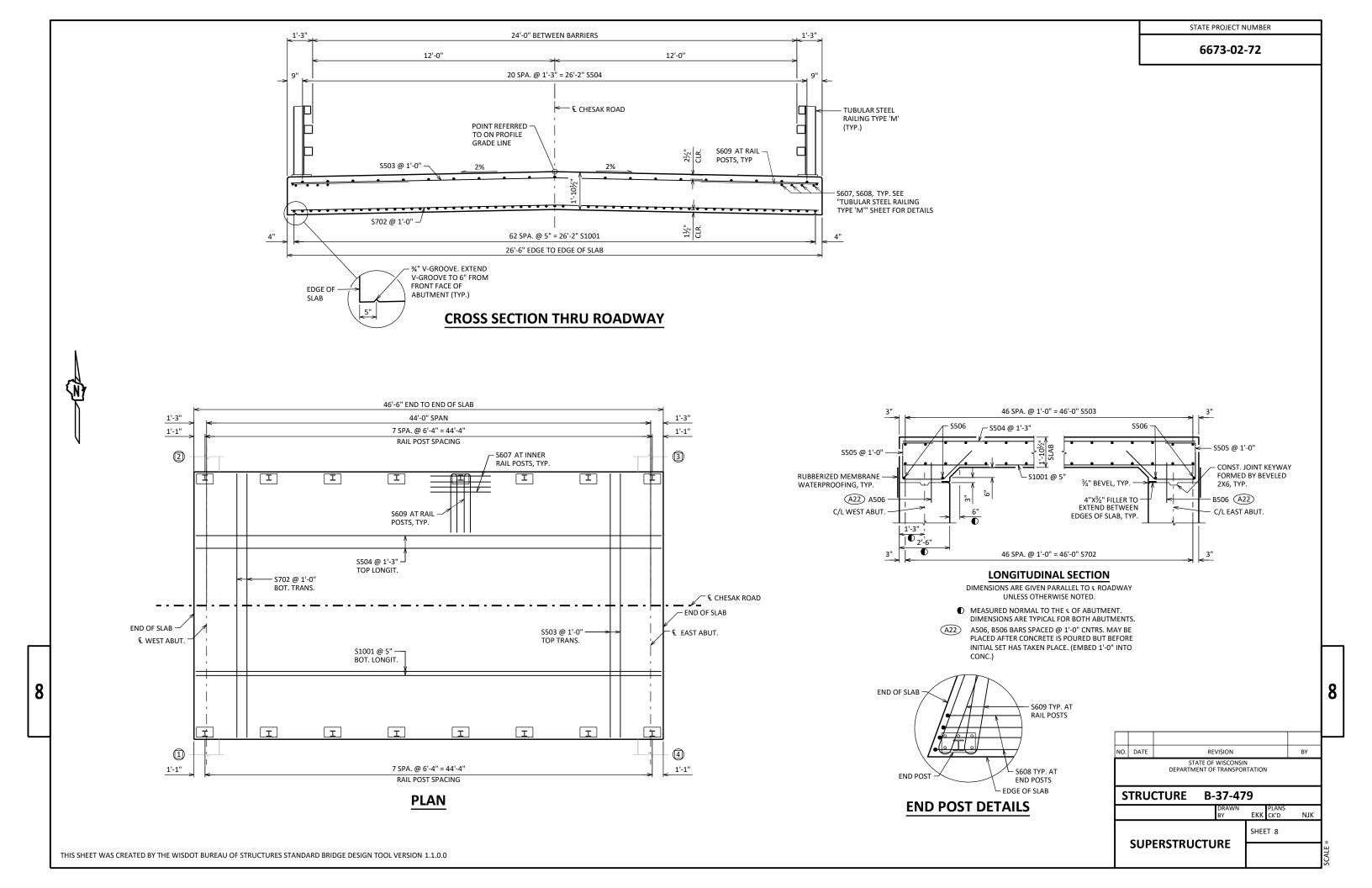












CAMBER AND SLAB THICKNESS DIAGRAM

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

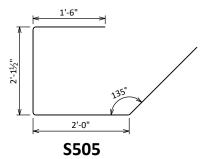
PLUS CAMBER

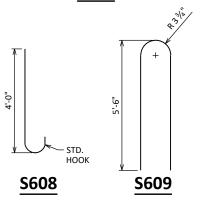
PLUS FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)

EQUALS TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

LOCATION	C/L BRG. W. 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. E. ABUT.
N. EDGE OF DECK	1230.60	1230.58	1230.56	1230.55	1230.53	1230.52	1230.50	1230.49	1230.49	1230.48	1230.47
CROWN OR R/L	1230.87	1230.85	1230.83	1230.81	1230.80	1230.78	1230.77	1230.76	1230.75	1230.74	1230.74
S. EDGE OF DECK	1230.60	1230.58	1230.56	1230.55	1230.53	1230.52	1230.50	1230.49	1230.49	1230.48	1230.47





STATE PROJECT NUMBER

6673-02-72

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	63	46'-2"			SLAB BOTTOM LONGITUDINAL
S702	Х	47	26'-2"			SLAB BOTTOM TRANSVERSE
S503	Х	47	26'-2"			SLAB TOP TRANSVERSE
S504	Х	21	46'-2"			SLAB TOP LONGITUDINAL
S505	Х	54	7'-6"	Х		ABUTMENT DIAPHRAGM STIRRUPS
S506	Х	4	26'-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'-3"	Х		SLAB TOP HOOKS UNDER RAIL POSTS

SURVEY TOP OF SLAB ELEVATIONS

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

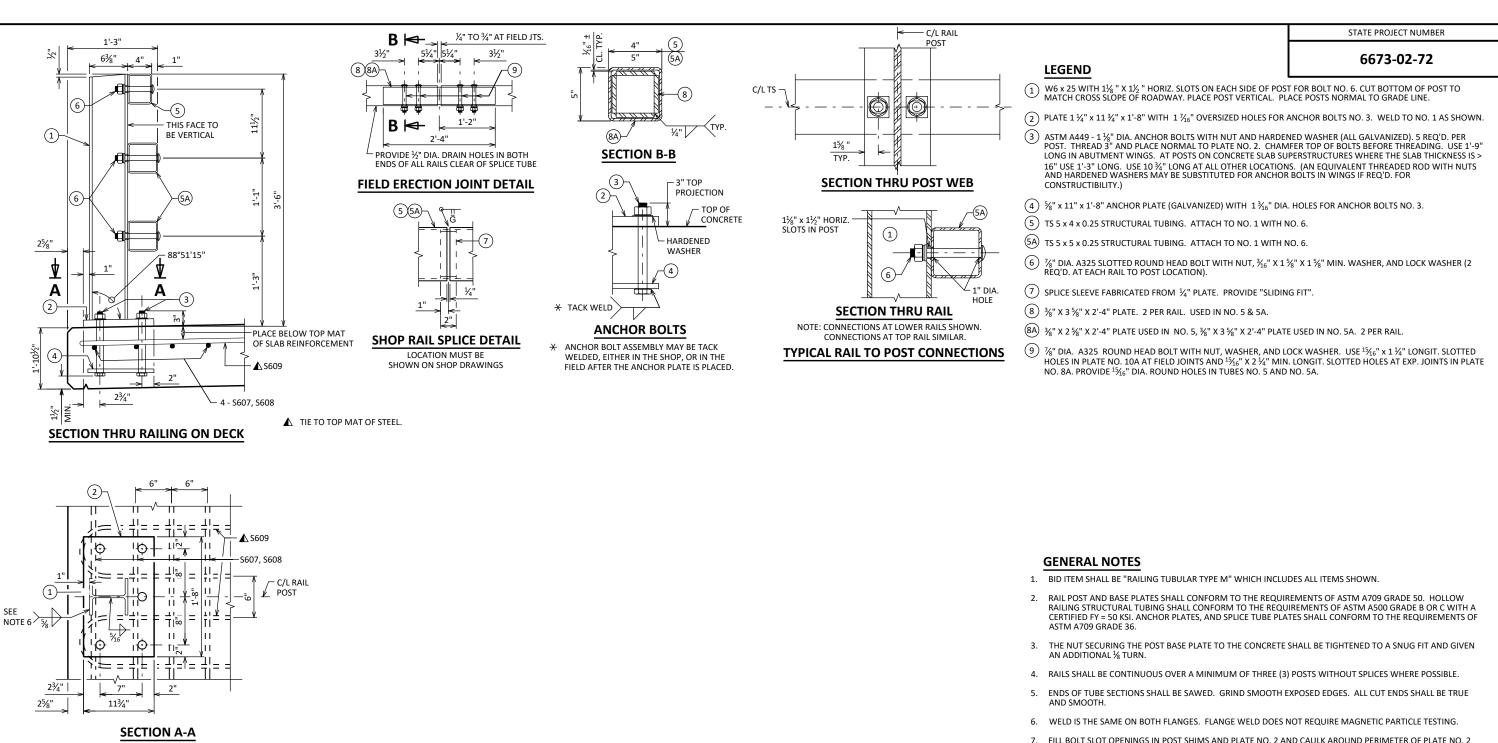
TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

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

NO.	DATE		REVISION							
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION									
S	STRUCTURE B-37-479									
	DRAWN PLANS BY EKK CK'D									
	SUP	ERSTRUC	SHEE	Т 9						
		DETAILS								

8

8



11"

5½"

2"

5½"

1¾"

5½"

AS REQ'D.

1¾6" THK.

ANCHOR PLATE

AT RAIL TO DECK CONNECTION

POST SHIM

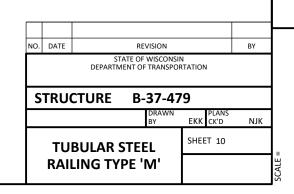
DETAIL

SEE POST SPA.
SUPERSTRUCTURE SHEET

TYP.

PART ELEVATION OF RAILING

- 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

CHESAK ROAD WEST OF BRIDGE

			AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
STATION	REAL STATION	DISTANCE	DISTANCE	CUT	SALVAGED/UNUSABLE	5 11.1		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARCH EVO	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
			COI	PAVEMENT MATERIAL	FILL	MARSH EXC		PAVEIVIENT IVIATERIAL		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+75.00	875.00	0.00	35.59	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	
9+00.00	900.00	25.00	31.89	0.00	2.94	0.00	31	0	1	0	31	1	0	0	30	
9+25.00	925.00	25.00	30.13	0.00	3.52	0.00	29	0	3	0	60	5	0	0	55	
9+50.00	950.00	25.00	28.66	0.00	5.57	0.00	27	0	4	0	87	10	0	0	77	
9+65.00	965.00	15.00	26.75	0.00	13.89	0.00	15	0	5	0	102	16	0	0	86	

CHESAK ROAD EAST OF BRIDGE

			AREA (SF)					NCREMENTAL VOL (CY)	(UNADJU	ISTED)	CUMULATIVE VOL (CY)									
STATION	REAL STATION	DISTANCE	CUT	CUT	CUT	сит	сит	сит	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	СИТ	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL	EXPANDED MARSH BACKFILL 1.00	REDUCED MARSH IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8					
10+35.00	1035.00	0.00	22.86	0.00	3.10	0.00	0	0	0	0	0	0	0	0	0					
10+50.00	1050.00	15.00	25.58	0.00	0.30	0.00	13	0	1	0	13	1	0	0	12					
10+75.00	1075.00	25.00	30.50	0.00	0.00	0.00	26	0	0	0	39	1	0	0	38					
11+00.00	1100.00	25.00	36.73	0.00	0.00	0.00	31	0	0	0	70	1	0	0	69					
11+25.00	1125.00	25.00	37.84	0.00	0.00	0.00	35	0	0	0	105	1	0	0	104					
11+50.00	1150.00	25.00	2.55	0.00	0.00	0.00	19	0	0	0	124	1	0	0	123					
11+75.00	1175.00	25.00	4.23	0.00	0.00	0.00	3	0	0	0	127	1	0	0	126					
11+99.99	1199.99	24.99	6.79	0.00	0.00	0.00	5	0	0	0	132	1	0	0	131					

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 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)	
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL	
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)]
The state of the s	0 (CARLES) 1 (ARLES AND CARLES) 1 (ARLES AND CARLES AND CARL	

SHEET HWY: LOC STR COUNTY: MARATHON PROJECT NO: 6673-02-72 EARTHWORK DATA

FILE NAME : G:\01\01452\01452074\CADD\\$HEET\$OTHER\090101-EW.DWG LAYOUT NAME - 090101-ew

WISDOT/CADDS SHEET 49

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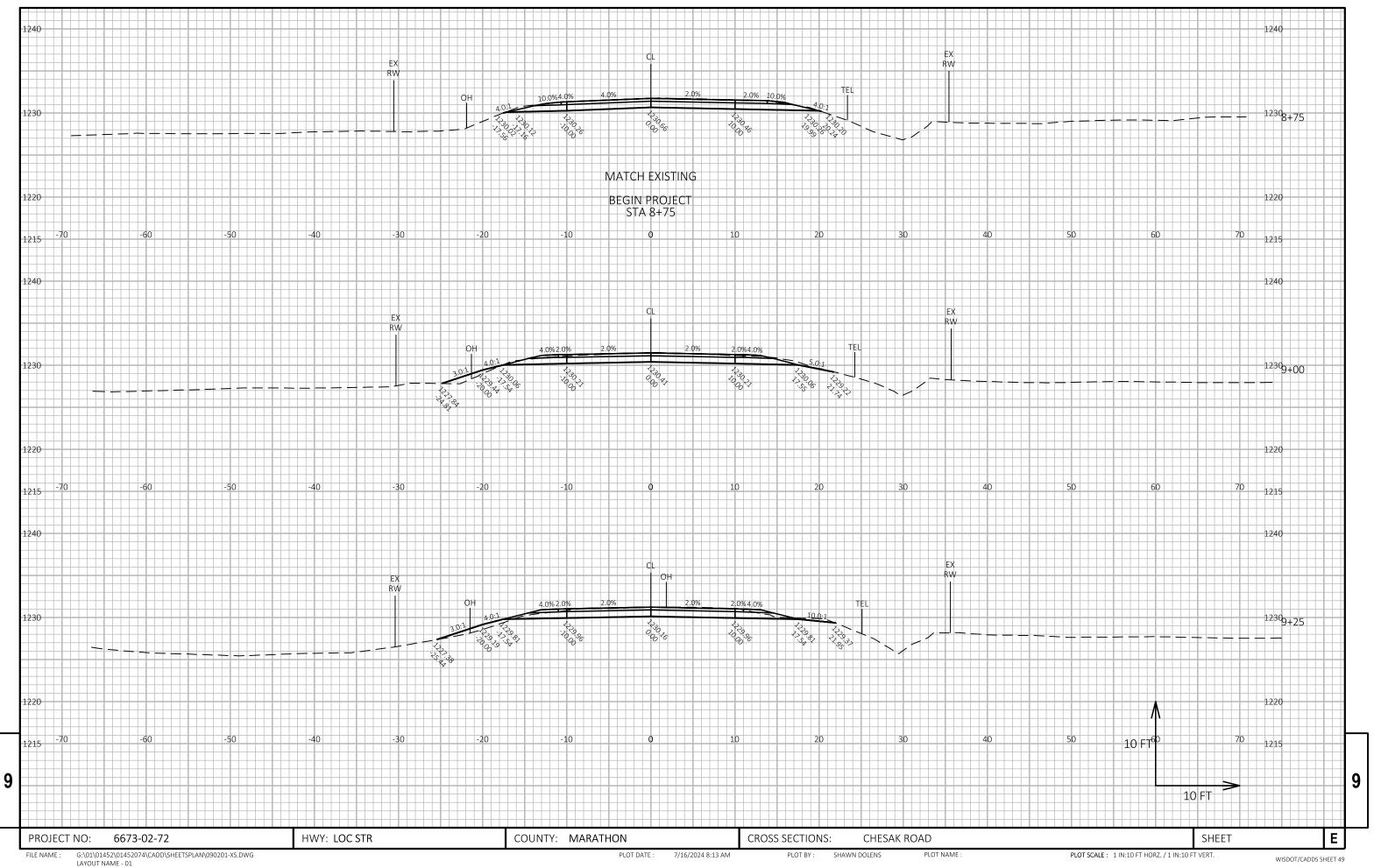
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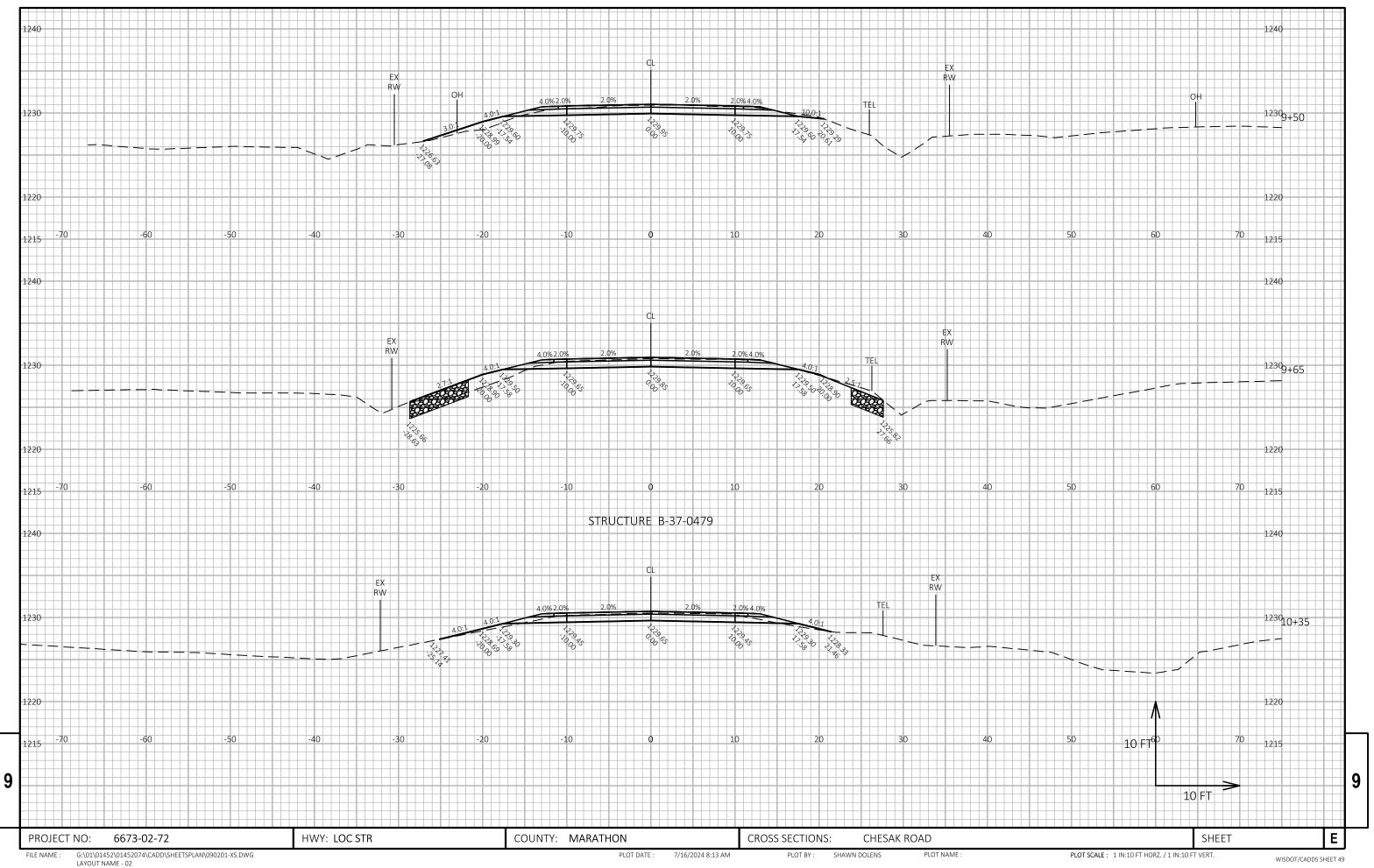
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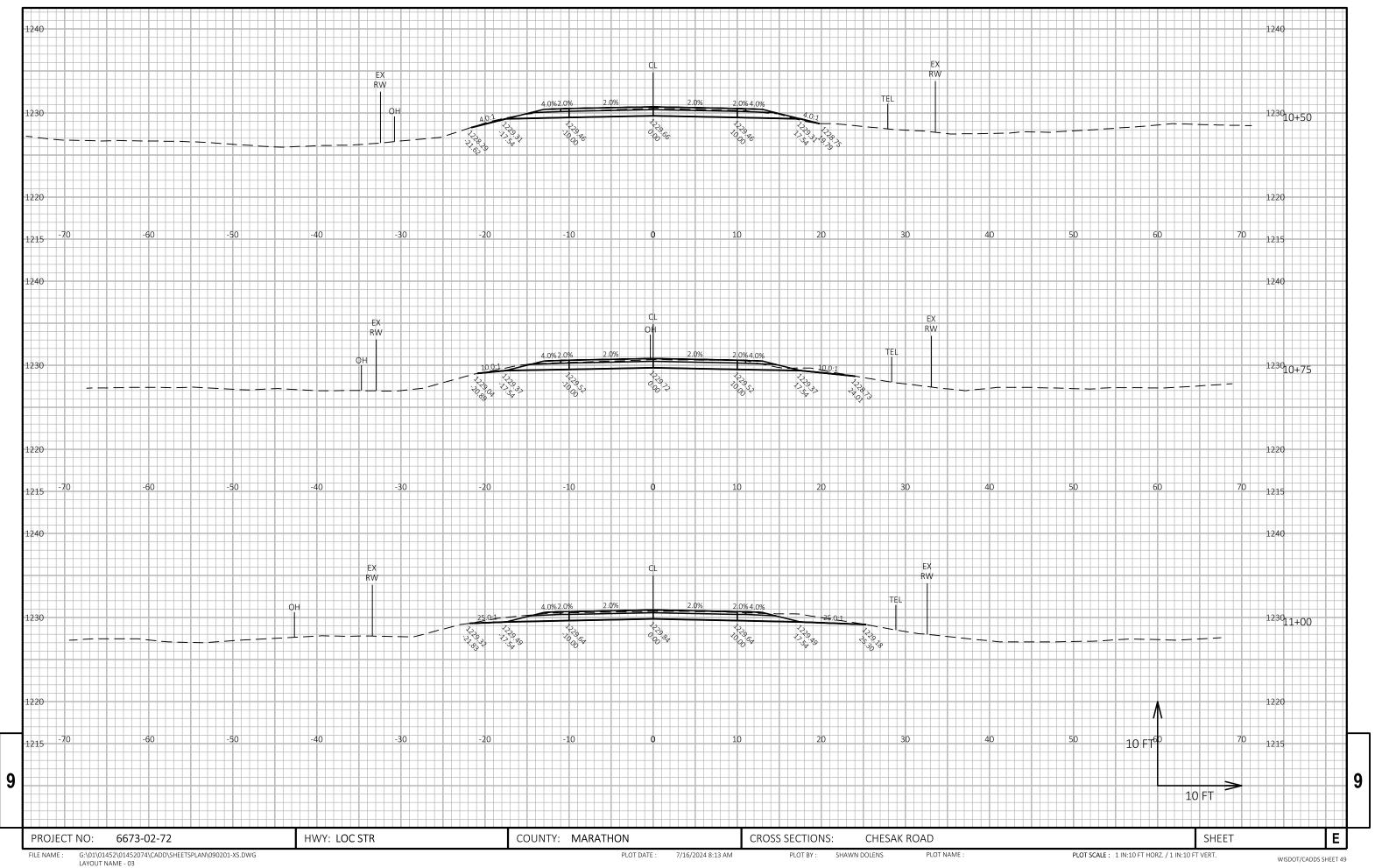
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PLOT SCALE : 1" = 1"

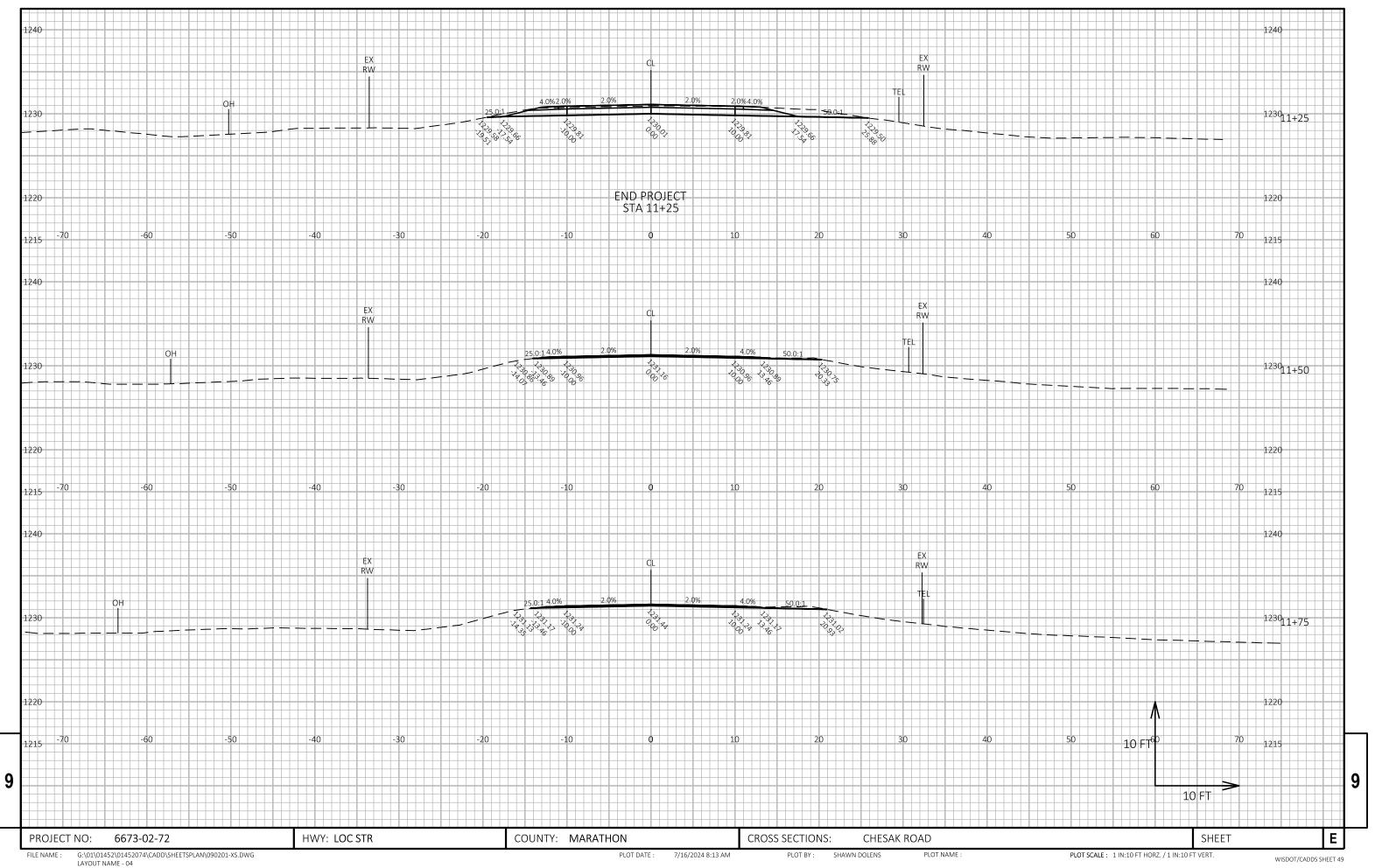


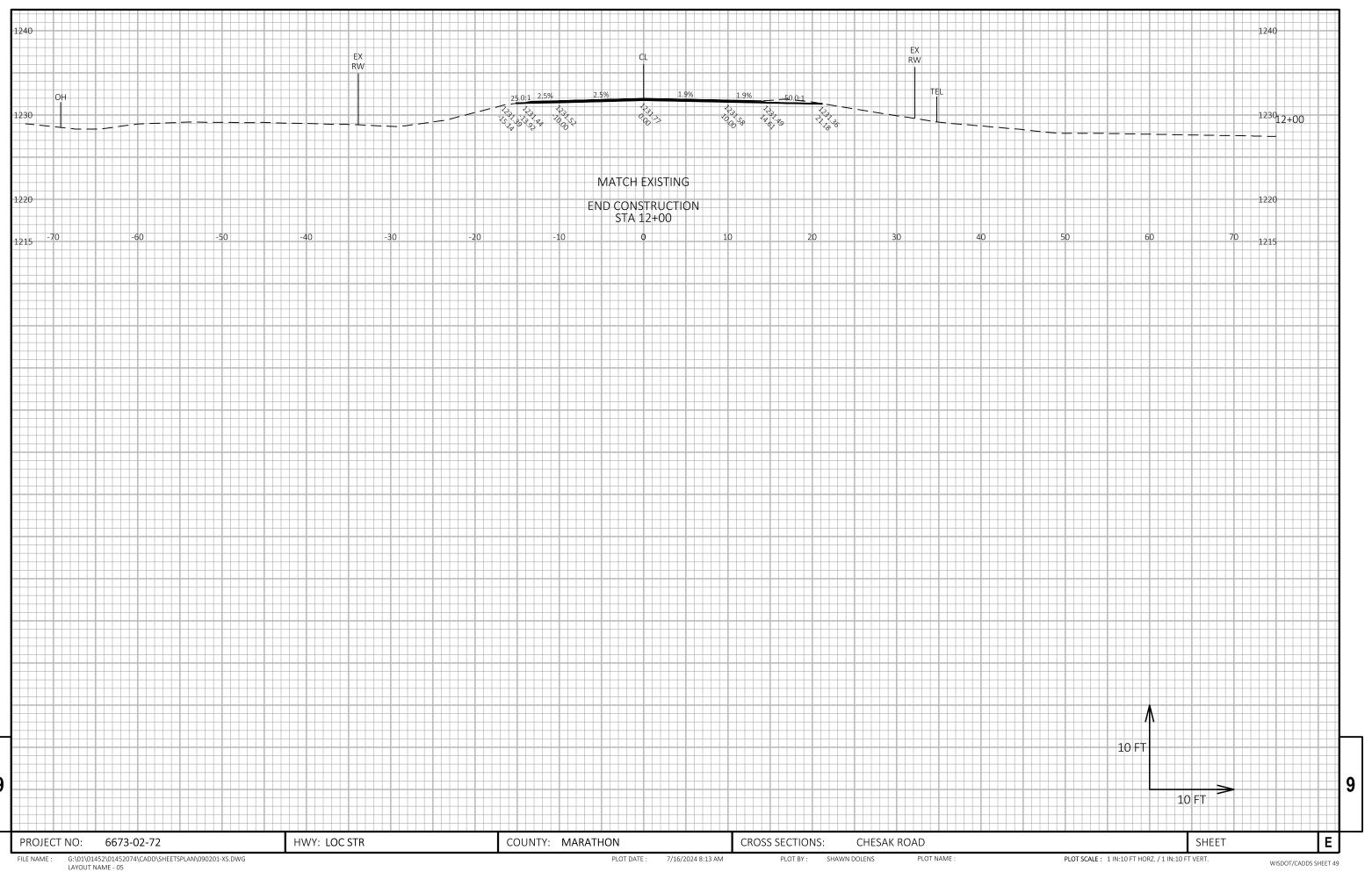
LAYOUT NAME - 01





LAYOUT NAME - 03







Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov