Feb 09, 2021 STATE PROJECT STATE OF WISCONSIN ORDER OF SHEETS 5758-00-73 **DEPARTMENT OF TRANSPORTATION** Typical Sections and Details PLAN OF PROPOSED IMPROVEMENT Plan and Profile (Including Erosion Control) TOWN OF JANESVILLE, POLZIN ROAD 58-00-7 Section No. Computer Earthwork Data (MARSH CREEK BRIDGE, B-53-0387) Section No. Cross Sections LOCAL STREET END PROJECT 5758-00-73 TOTAL SHEETS = STA. 10+75.00 **ROCK COUNTY** STATE PROJECT NUMBER **BEGIN PROJECT 5758-00-73** 5758-00-73 STA. 09+25.00 Y = 282,929.14X = 466,720.98R-11-E BROWN VIEW DR O'NEIL RD STRUCTURE B-53-0387 DESIGN DESIGNATION 5758-00-73 608-242-7779 1-800-446-0679 Fax: 608-242-5664 A.A.D.T. 0 A.A.D.T. 2041 = 130 D.H.V. = 20 D.D. = 62/38 = 9.7% TOPP RD DESIGN SPEED = 30 MPH ESALS = 22,000 T-3-N CONVENTIONAL SYMBOLS RD**FENRICK** Cente GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY GRADE ELEVATION DEPARTMENT OF TRANSPORTATION PROPOSED OR NEW R/W LINE RD CULVERT (Profile View) SLOPE INTERCEPT REPARED BY UTILITIES Surveyor REFERENCE LINE ELECTRIC Designer EXISTING CULVERT FIBER OPTIC Project Manager PROPOSED CULVERT (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY **TELEPHONE** COORDINATES. ROCK COUNTY, NAD83 (2011 ADJUSTMENT), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND WATER MARSH AREA GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. Ħ UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 0.028 MILES ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH POWER POLE AMERICAN VERTICAL DATUM OF NAVD88 (2012). WOODED OR SHRUB AREA TELEPHONE POLE

FEDERAL PROJECT

ACCEPTED FOR

ROCK COUNTY

ORIGINAL PLANS PREPARED BY

KURTEN-CHMIELEWSKE

STATE OF WISCONSIN

10/12/2020

MSA PROFESSIONAL SERVICES, INC.

MSA PROFESSIONAL SERVICES, INC.

ZACHARY PEARSON

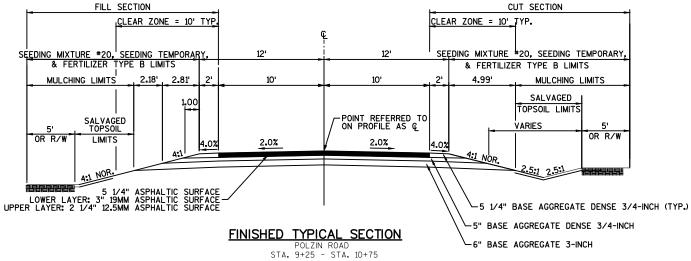
SW REGION

IAN WINGER

PROJECT

CONTRACT

EXISTING TYPICAL SECTION



RUNOFF COEFFICIENT TABLE

						HYDROLOGIC SC	OIL GROUP					
		А			В			С			D	
	SLOPE	RANGE	(PERCENT)	SL0PE	RANGE	E (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 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19	.20	.24 .30	.19 .25	.22	.26 .33	.20	.23	.30 .37	.20	.25	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
R00FS						.7595						
GRAVEL ROADS,	SHOULDE	RS				.4060						

TOTAL PROJECT AREA = 0.18 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.15 ACRES

GENERAL NOTES

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS SHALL BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY 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 AREA THAT ARE NOT SHOWN.

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

THE 5 1/4" ASPHALTIC SURFACE SHALL BE CONSTRUCTED USING A 2.25" UPPER LAYER WITH 12.5 MM AGGREGATE AND A 3.0" LOWER LAYER WITH 19.0 MM AGGREGATE.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO BRIDGE REMOVAL.

TEMPORARY DITCH CHECKS, IF NEEDED, SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

THE ASPHALTIC SURFACE SHALL TAPER FROM 24.0 FEET AT THE END OF THE BRIDGE TO 20.0 FEET AT +/- 25 FEET FROM THE BRIDGE ENDS.

MAINTAIN 4:1 FORESLOPES AND BACKSLOPES UNTIL OUTSIDE THE CLEAR ZONE FOR CUT AND FILL SECTIONS. ET AL

THE CONTRACTOR IS RESPONSIBLE FOR THE RESHAPING AND FINISHING OF ALL PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATIONS OUTSIDE THE PLAN CONSTRUCTION LIMITS.

GAS:

PHONE:

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY THESE LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THEY ARE NO LONGER NECESSARY.

UTILITIES

DESIGN CONTACT

MSA PROFESSIONAL SERVICES. INC. ATTN: JAIME KURTEN, P.E. 1702 PANKRATZ STREET MADISON, WI 53704 PHONE: (608) 242-6619 EMAIL: JKURTEN@MSA-PS.COM

ROCK COUNTY PUBLIC WORKS ATTN: DUANE JORGENSON 3715 N. NEWVILLE ROAD JANESVILLE. WI 53545 PHONE: (608) 757-5450

EMAIL: DUANE.JORGENSON@CO.ROCK.WI.US

WISDOT SW REGION LOCAL PROGRAM ATTN: STEFAN CIOBANU, P.E. 2101 WRIGHT STREET MADISON, WI 53704

PHONE: 608-516-6832 EMAIL: STEFAN.CIOBANU@DOT.WI.GOV TELEPHONE: ΔΤ&Τ ATTN: CAROL ANASON 316 W. WASHINGTON AVENUE MADISON, WI 53701 PHONE: (608) 252-2385 EMAIL: CA2624@ATT.COM

iANESVILLE. WI 53547 PHONE: (608) 531-6562 EMAIL: AARONR@ROCK.COOP

ELECTRIC:

ATTN: AARON RECHLIN

2815 KENNEDY ROAD

EMAIL: ZACHARYSTOCKS@ALLIANTENERGY.COM DNR LIAISON

ATTN: ZACHARY STOCKS 3730 KENNEDY ROAD

JANESVILLE, WI 53545

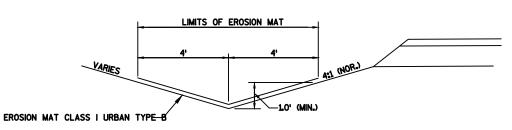
ALLIANT ENERGY

DEPARTMENT OF NATURAL RESOURCES ATTN.: SHELLEY NELSON 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 PHONE: (608) 444-2835

EMAIL: SHELLEY.NELSON@WISCONSIN.GOV

*-DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS





EROSION MAT DITCH DETAIL

A.P. ASPH AVE BAD BK BLK BM CABC BLOCK BENCHMARK CRUSHED AGGREGATE BASE COURSE CENTRAL ANGLE OF DELTA CL or Δ CONC CP CSM CONCRETE
CONTROL POINT
CERTIFIED SURVEY MAP
DEGREE OF CURVE D DIA DTAMFTER EAST EASTBOUND EB EBS EXCAVATION BELOW SUBGRADE EDGE OF PAVEMENT AND OTHERS FNDWALL EXIST FOC EXISTING FACE OF CURB FT2 GN GV HYD SQUARE FEET GRID NORTH GAS VALVE HYDRANT IN INL INV IP INCH INLET INVERT ELEVATION IRON PIPE LENGTH OF CURVE ROCK ENERGY COOPERATIVE LINEAL FEET LONG CHORD LC LCB LP LS LT MH LONG CHORD BEARING LOW POINT LUMP SUM LEFT MANHOLE MILE MONUMENT MI MON NORTH NORTHBOUND N NB NO PB PC PT PT PULLBOX
POINT OF CURVATURE
POINT OF INTERSECTION POINT POINT OF TANGENCY PL PLE POB PROPERTY LINE
PERMANENT LIMITED EASEMENT POINT OF BEGINNING RADIUS RANGE RCP REQ'D RL or RP RT R/W RD REINFORCED CONCRETE PIPE REQUIRED_ REFERENCE LINE R/L REFE RADIUS POINT RIGHT-OF-WAY SAN
SB
SL
SQ
STD
SEC
SSPRC
SSPRCHE SANTTARY SEWER SOUTHBOUND SPECIAL LOGO SQUARE STANDARD STORM SEWER PIPE REINFORCED CONCRETE STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL STA STA STH STM STR STREET STATION STATE TRUNK HIGHWAY STORM SEWER STRUCTURE TANGENT TAN TEMP TLE T or TYP. UD WM WV TANGENT TEMPORARY LIMITED EASEMENT TYPICAL PIPE UNDERDRAIN WATERMATN WATER VALVE WEST WESTBOUND EAST GRID COORDINATE NORTH GRID COORDINATE

AC AEW AH ALUM.

APRON ENDWALL AHEAD

ALUMINUM ACCESS POINT ASPHALT AVENUE

BACK

BL OCK

BASE AGGREGATE DENSE

PROJECT NO:5758-00-73 HWY: POLZIN ROAD FILE NAME : P:\7000S\7050S\7052\07052049\CADD\SHEETSPLAN\020101-GN-TS.DWG

COUNTY: ROCK

TYPICAL SECTION & GENERAL NOTES - POLZIN ROAD

PLOT NAME :

SHEET PLOT SCALE : 1:40_XREF

WISDOT/CADDS SHEET 42

E

					5758-00-73
Line	Item	Item Description	Unit	Total	Qty
0002	203.0600.S	Removing Old Structure Over Waterway With Minimal Debris (station) 01. 10+00	LS	1.000	1.000
0004	205.0100	Excavation Common	CY	154.000	154.000
0006	206.1000	Excavation for Structures Bridges (structure) 01. B-53-0387	LS	1.000	1.000
8000	210.1500	Backfill Structure Type A	TON	232.000	232.000
0010	213.0100	Finishing Roadway (project) 01. 5758-00-73	EACH	1.000	1.000
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	120.000	120.000
0014	305.0130	Base Aggregate Dense 3-Inch	TON	220.000	220.000
0016	455.0605	Tack Coat	GAL	13.000	13.000
0018	465.0105	Asphaltic Surface	TON	80.000	80.000
0020	502.0100	Concrete Masonry Bridges	CY	138.000	138.000
0022	502.3200	Protective Surface Treatment	SY	157.000	157.000
0024	505.0400	Bar Steel Reinforcement HS Structures	LB	3,240.000	3,240.000
0026	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	14,710.000	14,710.000
0028	513.4061	Railing Tubular Type M	LF	128.000	128.000
0030	516.0500	Rubberized Membrane Waterproofing	SY	18.000	18.000
0032	550.0500	Pile Points	EACH	8.000	8.000
0034	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	540.000	540.000
0036	606.0300	Riprap Heavy	CY	90.000	90.000
0038	612.0406	Pipe Underdrain Wrapped 6-Inch	LF.	178.000	178.000
0040	618.0100	Maintenance And Repair of Haul Roads (project) 01.	EACH	1.000	1.000
20.0	0.0.0100	5758-00-73		1.000	1.000
0042	619.1000	Mobilization	EACH	1.000	1.000
0044	624.0100	Water	MGAL	4.000	4.000
0046	625.0500	Salvaged Topsoil	SY	60.000	60.000
0048	627.0200	Mulching	SY	160.000	160.000
0050	628.1504	Silt Fence	LF	250.000	250.000
0052	628.1520	Silt Fence Maintenance	LF	500.000	500.000
0054	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0056	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0058	628.2004	Erosion Mat Class I Type B	SY	50.000	50.000
0060	628.2008	Erosion Mat Urban Class I Type B	SY	25.000	25.000
0062	628.6005	Turbidity Barriers	SY	90.000	90.000
0064	628.7560	Tracking Pads	EACH	2.000	2.000
0066	629.0210	Fertilizer Type B	CWT	0.170	0.170
0068	630.0120	Seeding Mixture No. 20	LB	8.000	8.000
0070	630.0200	Seeding Temporary	LB	5.000	5.000
0070	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000
0072	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0074	037.2230	Signs Type II Reliective F	SF	12.000	12.000

Estimate Of Quantities

Page 2

					5758-00-73
Line	Item	Item Description	Unit	Total	Qty
0076	638.3000	Removing Small Sign Supports	EACH	6.000	6.000
0078	642.5001	Field Office Type B	EACH	1.000	1.000
0800	643.5000	Traffic Control	EACH	1.000	1.000
0082	645.0111	Geotextile Type DF Schedule A	SY	112.000	112.000
0084	645.0120	Geotextile Type HR	SY	176.000	176.000
0086	650.4500	Construction Staking Subgrade	LF	225.000	225.000
8800	650.5000	Construction Staking Base	LF	225.000	225.000
0090	650.6500	Construction Staking Structure Layout (structure) 01. B-53-0387	LS	1.000	1.000
0092	650.9910	Construction Staking Supplemental Control (project) 01. 5758-00-73	LS	1.000	1.000
0094	650.9920	Construction Staking Slope Stakes	LF	225.000	225.000
0096	690.0150	Sawing Asphalt	LF	40.000	40.000
0098	715.0502	Incentive Strength Concrete Structures	DOL	828.000	828.000

Division	From/To Station	Location	Common Excavation (1)	(item #	Salvaged/ Unusable Pavement Material (4)		Unexpanded Fill	Expanded Fill (6)	Mass Ordinate +/- (7)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)				Factor			(item #208.0100)	
Project ID 5758	8-00-73										(100111 11 20010 2007	
1	9+25 - 9+81.25	Polzin Rd - South Approach	54	0	0	54	8	10	45	45	0	
2	10+18.75-10+75	Polzin Rd - North Approach	64	0	0	64	2	2	61	61	0	
	UNDISTRIBUT	ED EBS	0	36								
Grand Total			118	36	0	118	9	12	106	106	0	
			1	54								

¹⁾ Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

305-BAD

465 - HMA PAVEMENT

											305.0110	305.0130	624.0100	
				455.0605	465.0105						BASE AGGREGATE	BASE AGGREGATE		
					ASPHALTIC						DENSE 3/4-INCH	DENSE 3-INCH	WATER	
				TACK COAT	SURFACE		CATEGORY	STATION	TO	STATION	TON	TON	MGAL	REMARKS
CATEGORY	STATION	TO	STATION	GAL	TON	REMARKS								
							0010	9+25		9+81.25	60	70	2	WATER FOR DUST CONTROL AND COMPACTION
0010	9+25		9+81.25	7	40		0010	10+18.75		10+75	60	70	2	WATER FOR DUST CONTROL AND COMPACTION
0010	10+18.75		10+75	7	40		0010	UND	ISTRIBUTED	(EBS)	-	80	-	
				13	80									_
										TOTAL 0010	120	220	4	

628- MOBILIZATIONS EROSION CONTROL

CATEGORY DESCRIPTION EACH

0010 PROJECT 5758-00-73

TOTAL 0010 2 1

628.7560-TRACKING PADS

CATEGORY	STATION	628.7560 TRACKING PADS EACH
0010 0010	9+25 10+75	1 1
	TOTAL 0010	2

PROJECT NO: 5758-00-73 HWY: POLZIN ROAD COUNTY: ROCK MISCELLANEOUS QUANTITIES – POLZIN ROAD SHEET: **E**

²⁾ Salvaged/Unsuable Pavement Material is included in Cut.

³⁾ EBS Excavation to be backfilled with Base Aggregate Dense 3-Inch material.

⁴⁾ Salvaged/Unusable Pavement Material

⁵⁾ Available Material = Cut - Salvaged/Unusuable Pavement Material

⁶⁾ Expanded Fill. Factor = 1.25

⁷⁾ The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

FINISHING ITEMS

					625.0500	627.0200	628.1504	628.1520	628.2004	628.2008	628.6005	629.0210	630.0120	630.0200
										EROSION MAT				
					SALVAGED			SILT FENCE	EROSION MAT	URBAN CLASS I	TURBIDITY	FERTILIZER TYPE	SEEDING	SEEDING
					TOPSOIL	MULCHING	SILT FENCE	MAINTENANCE	CLASS I TYPE B	TYPE B	BARRIERS	В	MIXTURE NO. 20	TEMPORARY
CATEGORY	STATION	TO	STATION	LOCATION	SY	SY	LF	LF	SY	SY	SY	CWT	LB	LB
0010	9+25		9+81.25	LT	20	40	50	100	-	10	-	0.06	3	2
0010	9+25		9+81.25	RT	15	40	50	100	-	7	-	0.04	2	1
0010	9+81.25		10+18.75	LT&RT	-	-	-	-	-	-	90	-	-	-
0010	10+18.75		10+75	LT	15	40	50	100	-	8	-	0.04	2	1
0010	10+18.75		10+75	RT	10	40	50	100	-	-	-	0.03	1	1
0010	UNDI	ISTRIBU [*]	TED		-	-	50	100	50	-	-	-	-	-
				TOTAL 0010	60	160	250	500	50	25	90	0.17	8	

PERMANENT SIGNING 638.3000-REMOVING SMALL SIGN SUPPORTS

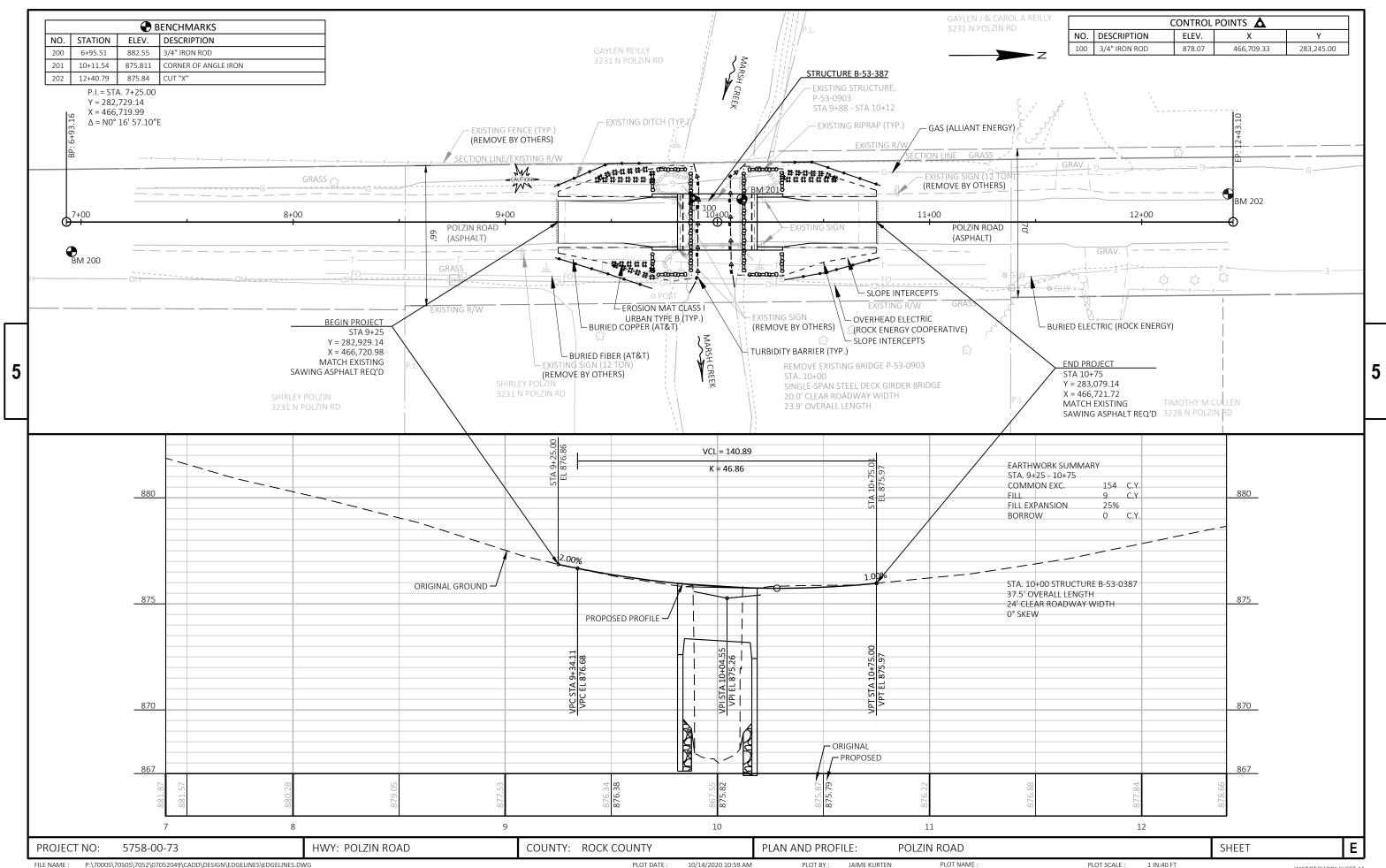
CATEGORY	STATION	LOCATION	SIGN CODE	634.0612 POSTS WOOD 4X6-INCH X 12-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	CATEGORY	STATION	LOCATION	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
0010	9+80.55	10.92'LT	W5-52L	1	3				
0010	9+80.32	11.32'RT	W5-52R	1	3	0010	909+00	LT	1
0010	10+20.78	11.40'LT	W5-52L	1	3	0010	9+81.25	LT	1
0010	10+20.29	11.19'RT	W5-52R	1	3	0010	9+81.25	RT	1
						0010	10+18.75	LT	1
			TOTAL 0010	4	12	0010	10+18.75	RT	1
						0010	10+83.75	RT	1
								TOTAL 0010	6

650-CONSTRUCTION STAKING

					650.4500	650.5000	650.9910.01 CONSTRUCTION STAKING	650.9920			<u>690.01</u>	50- SAWING ASPI	<u>HALT</u>	
CATEGORY	STATION	TO	STATION	LOCATION	CONSTRUCTION STAKING SUBGRADE LF	CONSTRUCTION STAKING BASE LF	SUPPLEMENTAL CONTROL (PROJECT) LS	CONSTRUCTION STAKING SLOPE STAKES LF						690.0150 SAWING ASPHALT
0010	9+25		9+81.25	LT	56	56	_	56	CATEGORY	STATION	TO	STATION	LOCATION	LF
0010 0010 0010	7+50 10+18.75 10+18.75		9+32 10+75 10+75	RT LT RT	56 56 56	56 56 56	- - -	56 56 56	0010 0010	9+25 10+18.75		9+81.25 10+75	RT & LT RT & LT	20 20
0010	PROJEC	T 5758-0	0-73		-	-	1	-					TOTAL 0010	40
				TOTAL 0010	225	225	1	225						

PROJECT NO: 5758-00-73 HWY: POLZIN ROAD COUNTY: ROCK MISCELLANEOUS QUANTITIES – POLZIN ROAD 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

08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
12A03-10	NAME PLATE (STRUCTURES)
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES

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GENERAL NOTES

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

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

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- 2 SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT, H. EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- 4 IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.





SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

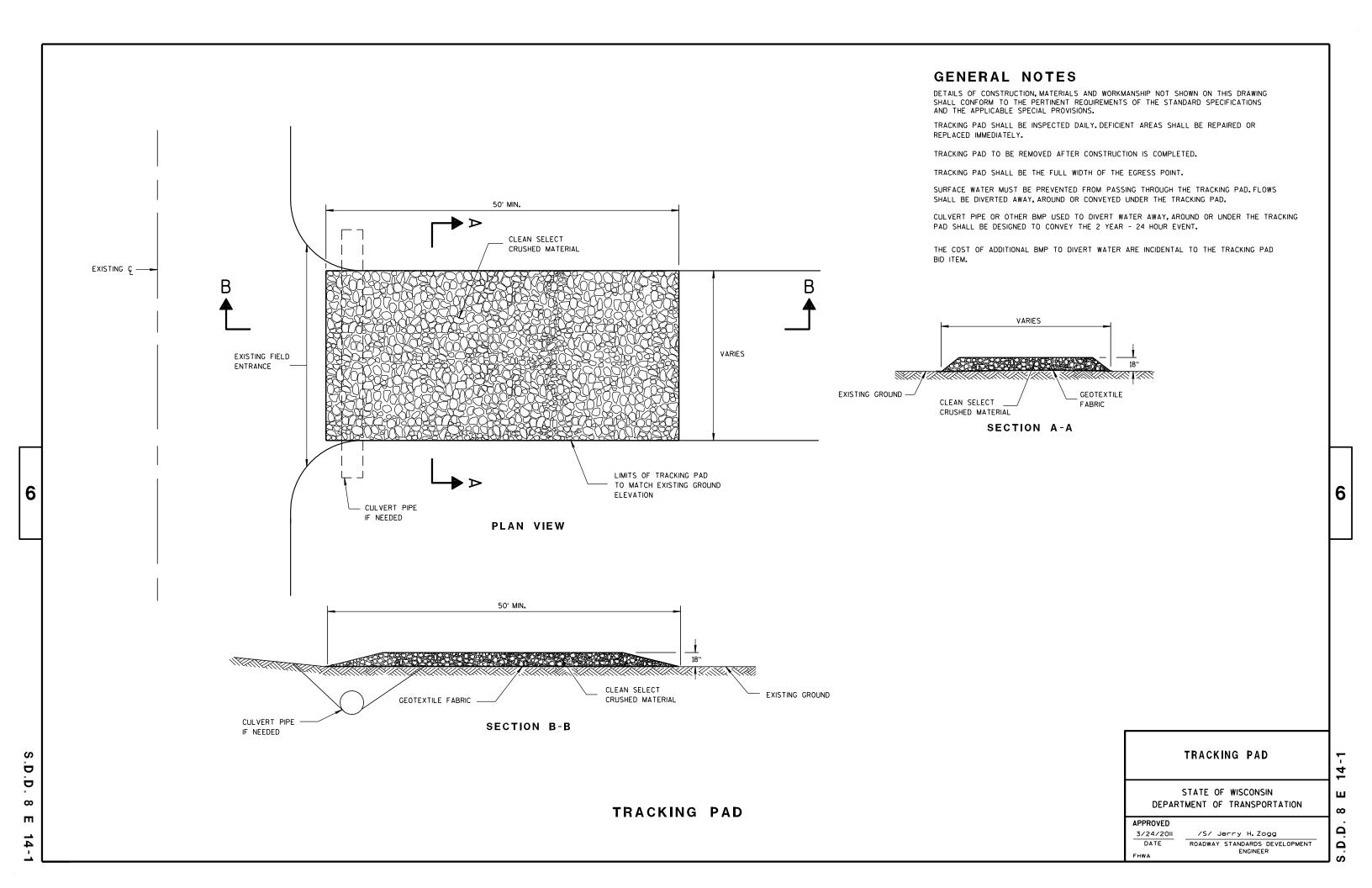
TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER ∞

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TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

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



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

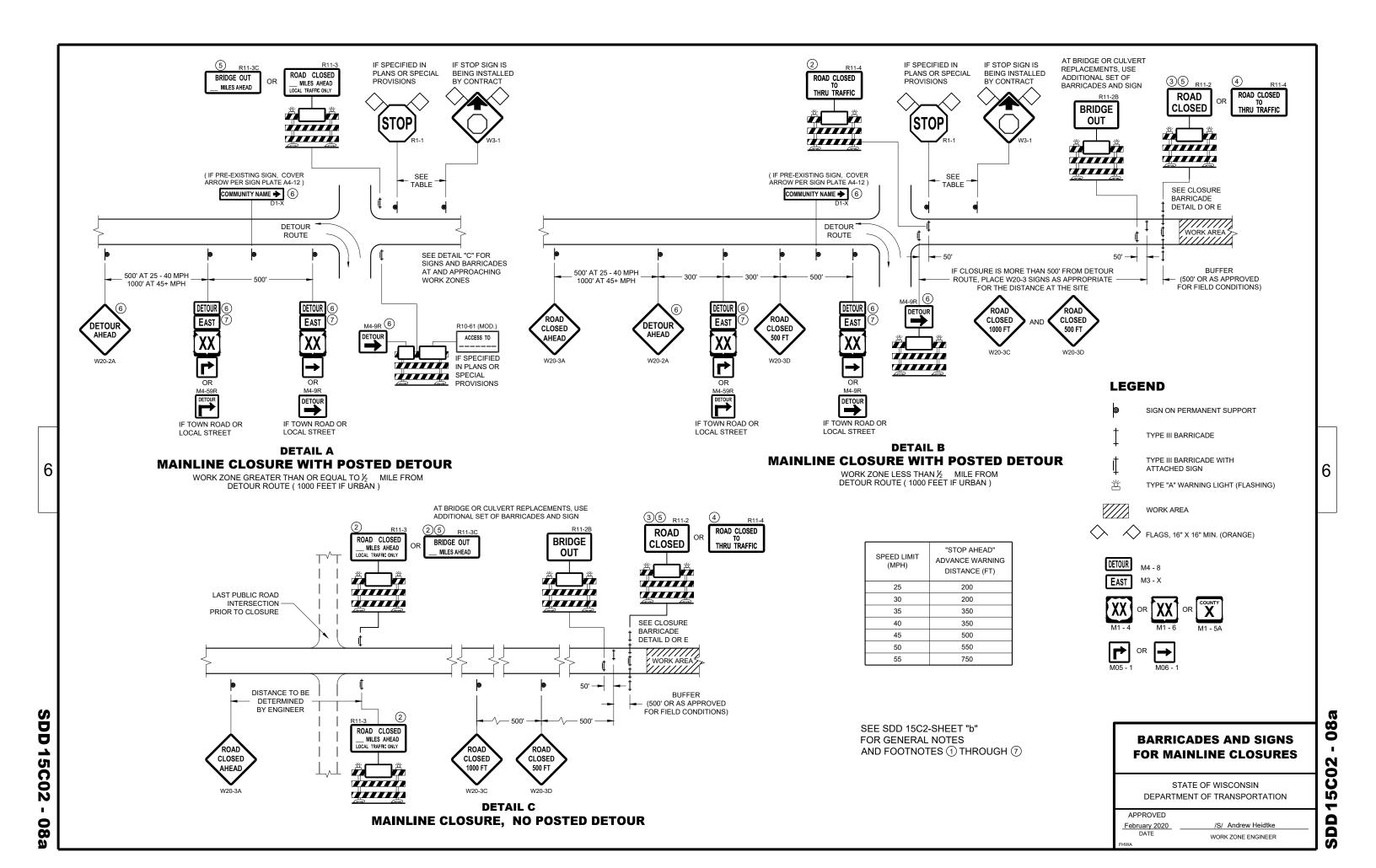
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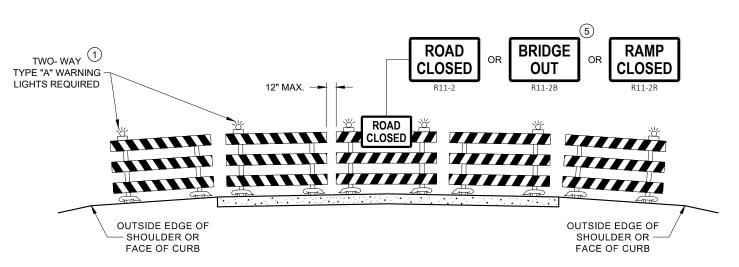
3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

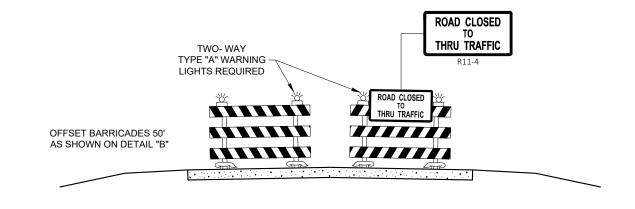
D.D. 12 A

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

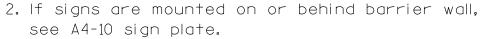
February 2020 DATE

WORK ZONE ENGINEER

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The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is $5'-3''(\frac{+}{2})$.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (±) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.

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

** Curb Flowline

D
White Edgeline Location

*

6'-3"(±)

D |

Outside Edge

of Gravel

White Edgeline
Location

Outside Edge
of Gravel

d.

POST EMBEDMENT DEPTH

Area of Sign
Installation
(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.

HWY:

* 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.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther & Rawk For State Traffic Engineer

DATE 5/13/2020 PLATE NO. _A4-3.22

SHEET NO:

Ε

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

PROJECT NO:

PLOT DATE: 13-MAY 2020 1:04

COUNTY:

PLOT BY : mscj9h

PLOT NAME :

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

APPROVED



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

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

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





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

HWY:

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

COUNTY:

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

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

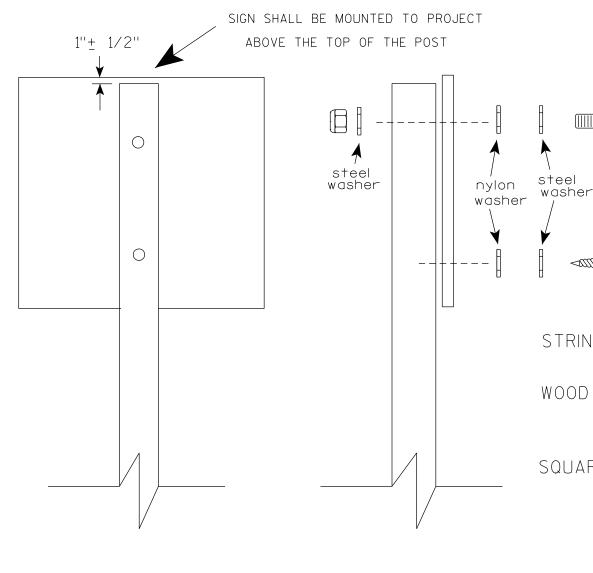
WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



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 - $\frac{1}{32}$ " (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 Matthew

For State Traffic Engineer

SHEET NO:

DATE <u>4/1/202</u>0

PLATE NO. <u>44-8.9</u>

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

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



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

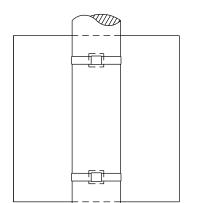
DATE 2/05/15

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

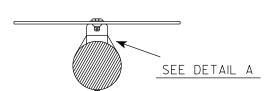
For State Traffic Engineer

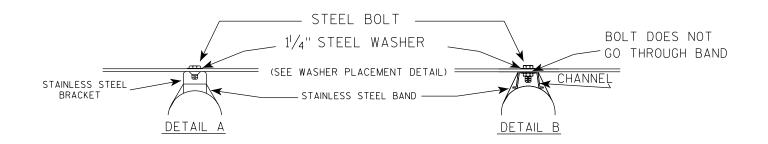


BANDING

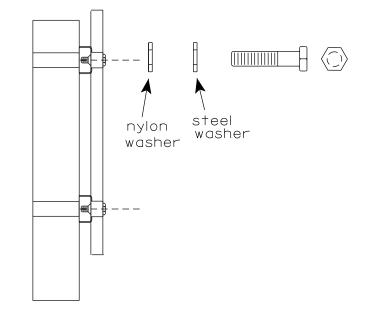


SINGLE SIGN





WASHER PLACEMENT



HWY:

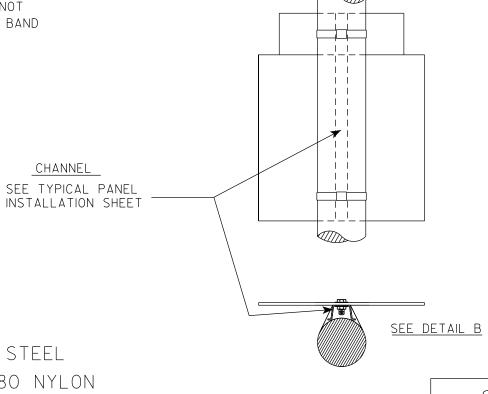
WASHERS (ALL POSTS) -

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

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:

State Traffic Engineer

Ε

APPROVED

DATE 6/10/19 PLATE NO. A5-9.4

COUNTY:

PLOT DATE: 10-JUN 2019 4:10

PLOT NAME :

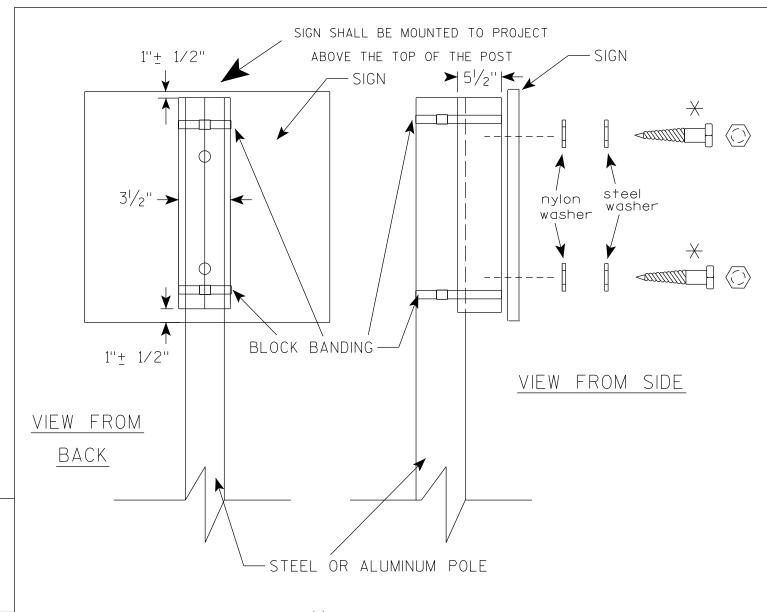
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

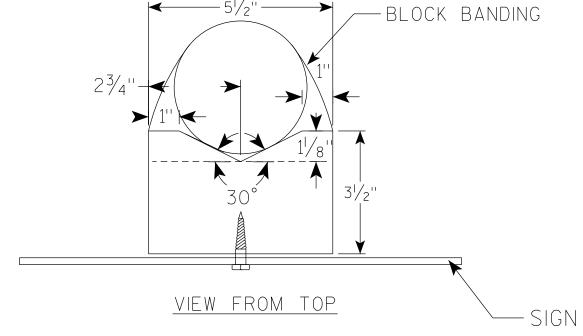
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn

PROJECT NO:

PLOT BY: mscj9h

CHANNEL





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 $1\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

| APPROVED

For State Traffic Engineer

SHEET NO:

Matthew R

DATE 6/10/19

PLATE NO. _A5-10.2

PROJECT NO:

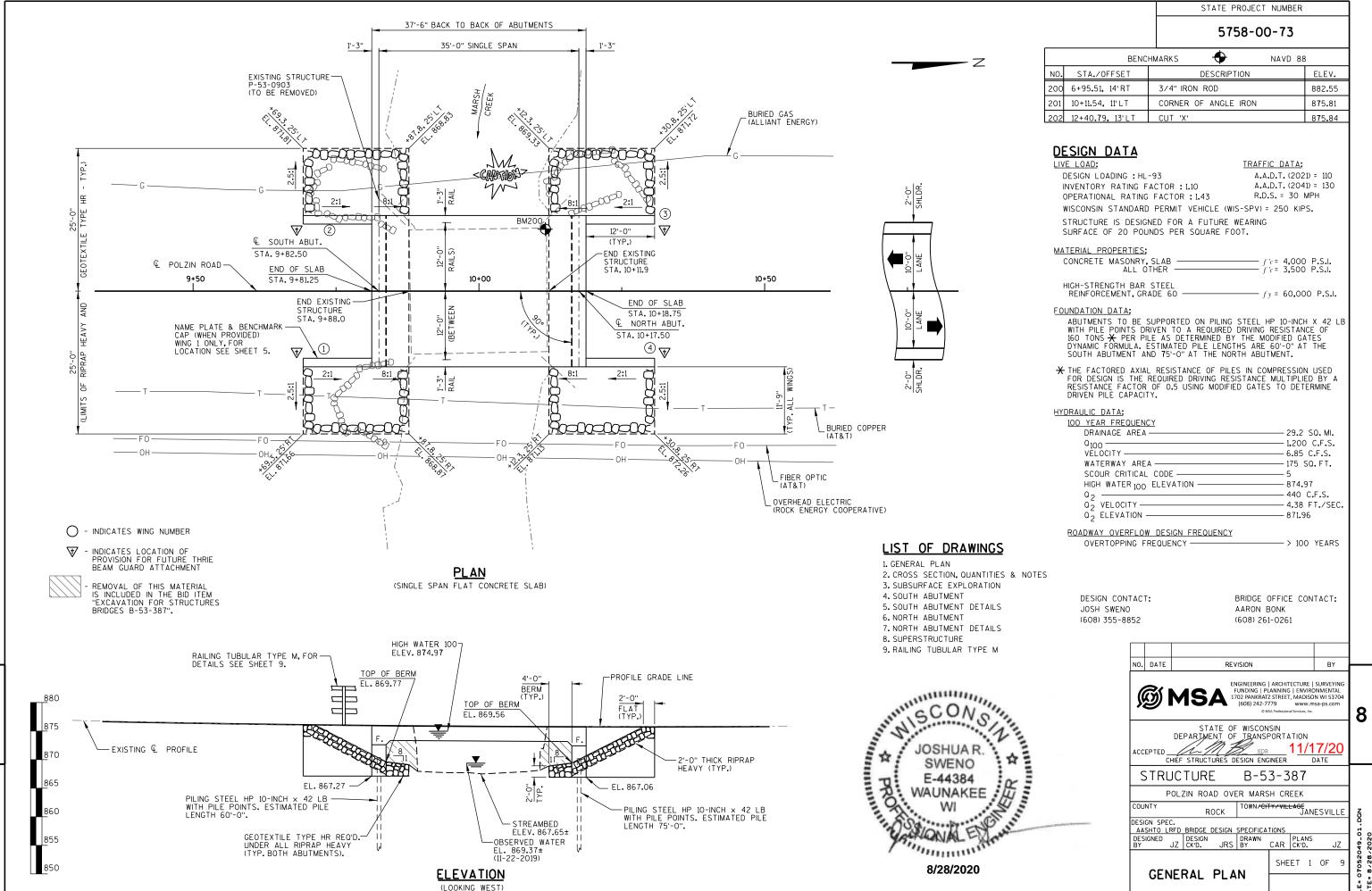
FILE NAME: C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PLOT DATE: 10-JUN 2019 4:15

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42





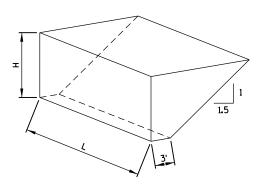
AT ABUTMENTS

RIPRAP HEAVY

IN SPAN

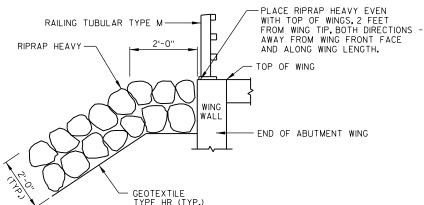
CROSS SECTION THRU BRIDGE

(LOOKING NORTH)



ABUTMENT BACKFILL DIAGRAM

L = OUT-TO-OUT OF ABUTMENT H = AVERAGE ABUTMENT FILL HEIGHT V_{CF} = (L)(3.0')(H)+(L)(0.5)(1.5H)(H) $V_{TON} = V_{CF} (2.0)/27$



TYPICAL FILL SECTION AT WING TIPS

PROFILE GRADE LINE - POLZIN ROAD

& NOTES

TOTAL ESTIMATED QUANTITIES SOUTH NORTH **ITEM NUMBER** JNIT SUPER TOTAL ARUT. ARLIT 203.0600.S.01 REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 10+00 EXCAVATION FOR STRUCTURES BRIDGES B-53-387 210.1500 ON 116 232 BACKFILL STRUCTURE TYPE A CONCRETE MASONRY BRIDGES 36 66 138 PROTECTIVE SURFACE TREATMENT 12 157 133 505.0400 BAR STEEL REINFORCEMENT HS STRUCTURES 1620 1620 3240 505.0600 BAR STEEL REINFORCEMENT HS COATED STRUCTURES 1680 1660 11370 14710 513.4061 RAILING TUBULAR TYPE M 128 128 516.0500 RUBBERIZED MEMBRANE WATER PROOFING 18 550.0500 PILE POINTS EΛCH 550.1100 PILING STEEL HP 10-INCH X 42 LB 240 300 540 RIPRAP HEAVY 606.0300 45 45 90 612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH 89 89 178 645.0111 GEOTEXTILE TYPE DF SCHEDULE A 56 56 112 645.0120 GEOTEXTILE TYPE HR 88 88 176 NON-BID ITEMS 1/2" & 3/4" PREFORMED FILLER SIZE

-ROADWAY PAVEMENT SUBGRADE 8 ABUTMENT LIMITS OF BACKFILL (B) 1.5 REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION BACKFILL STRUCTURE TYPE A B-53-387 STRUCTURE -PIPE UNDERDRAIN WRAPPED 6-INCH DRAWN BY CAR "GEOTEXTILE TYPE DF SCHEDULE A" LIMITS. EXTEND 3'-0" ABOVE BOTTOM OF ABUTMENT FOR THE ENTIRE REO'D. CROSS SECTION, SHEET 2 OF ABUTMENT BODY LENGTH **QUANTITIES** STRUCTURE BACKFILL DETAIL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

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

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-53-387" FOR THE ABUTMENTS.

STATE PROJECT NUMBER

5758-00-73

VCL = 140.89' K = 46.86

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

THIS STRUCTURE WILL REPLACE EXISTING STRUCTURE, A 23.9 FT.LONG STEEL GIRDER BRIDGE SUPPORTED ON FULL RETAINING CONCRETE ABUTMENTS WITH A 20.0 FT. CLEAR ROADWAY WIDTH.

(B)-BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO

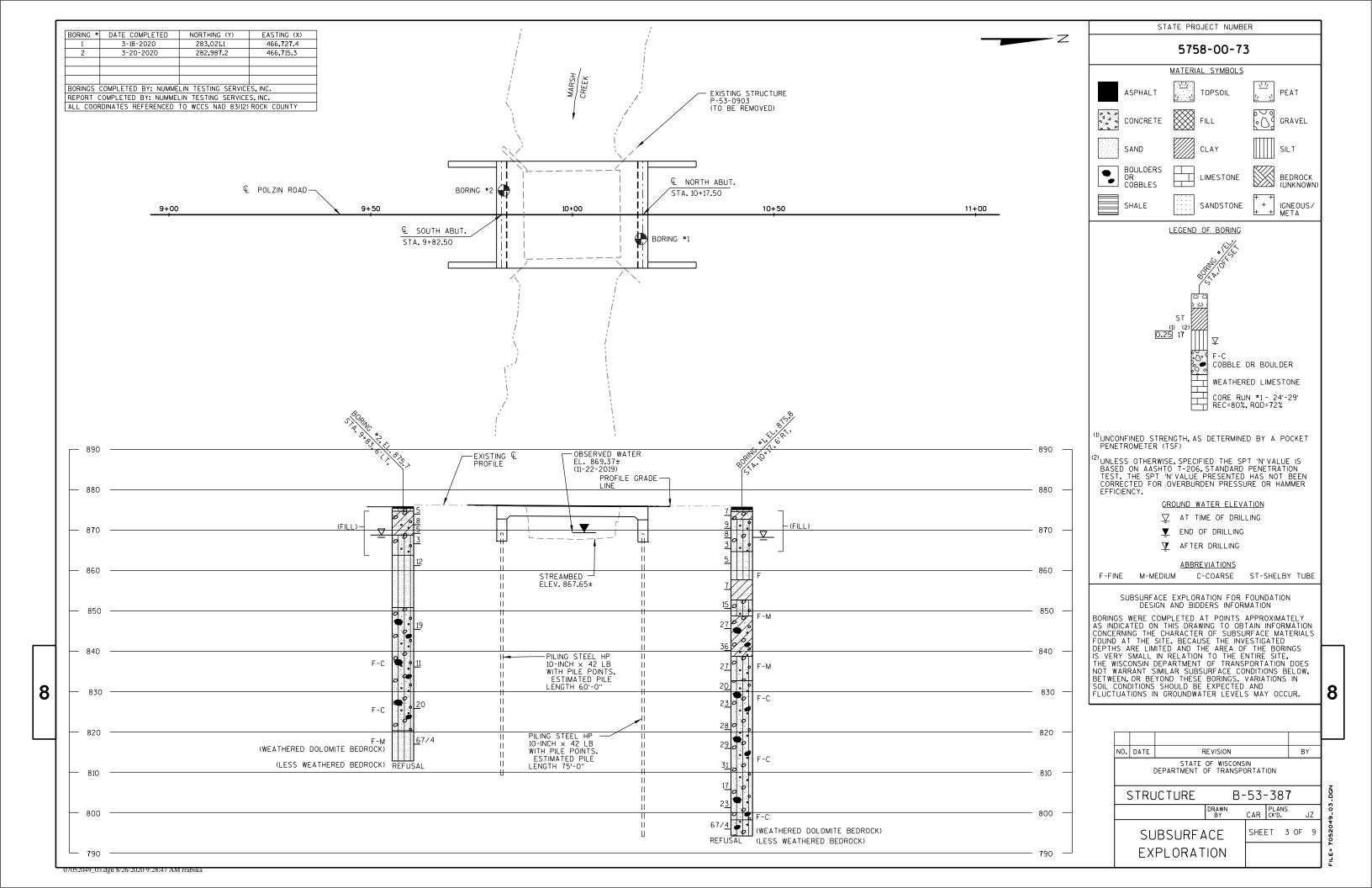
EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-O" ABOVE BOTTOM OF ABUTMENT.

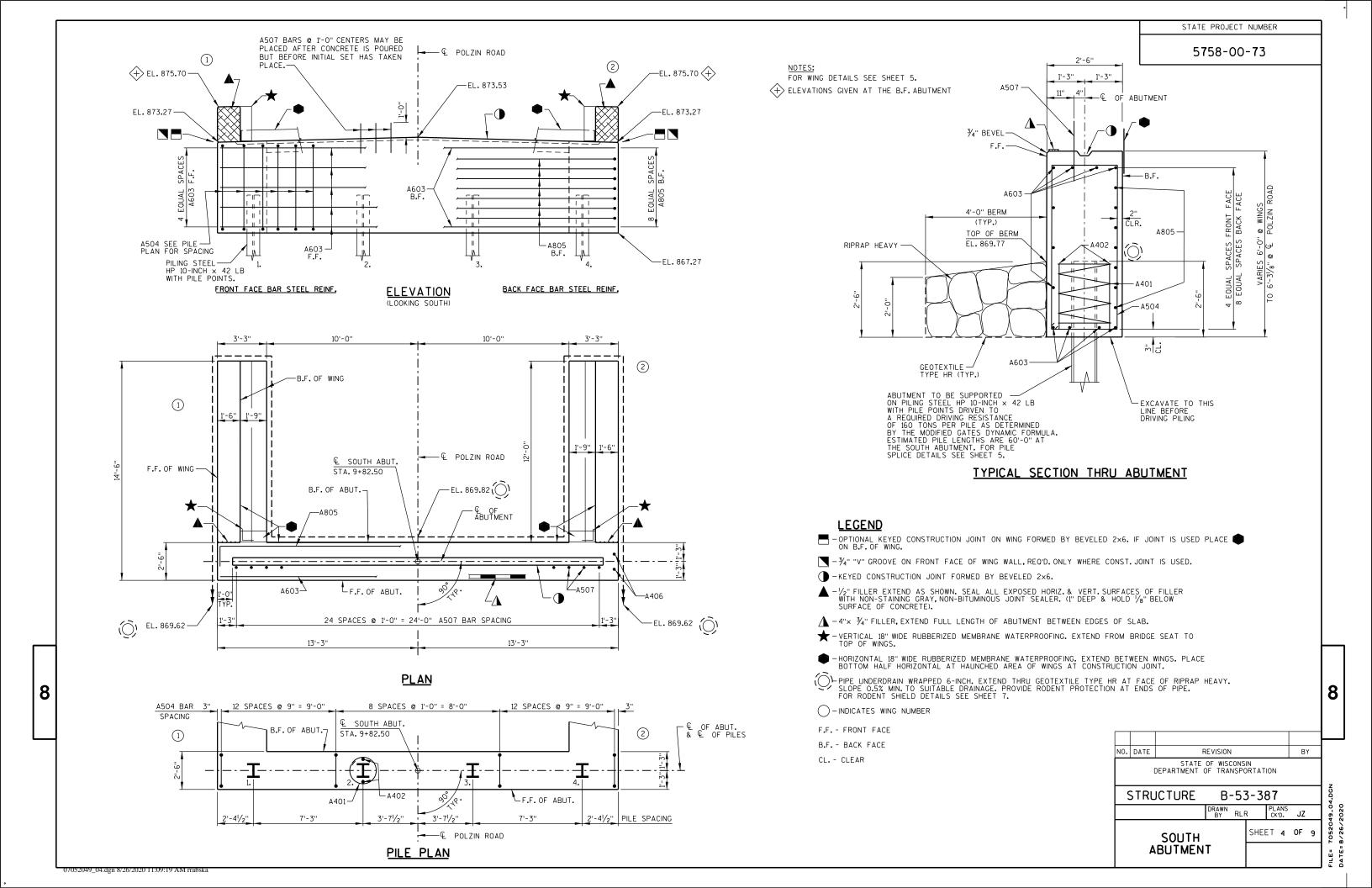
PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP AND EDGES OF SLAB, TO THE OUTSIDE 1'-O" OF THE UNDERSIDE OF SLAB, TO THE TOPS OF WINGS, TO THE EXPOSED FRONT FACES OF WINGS, AND TO THE

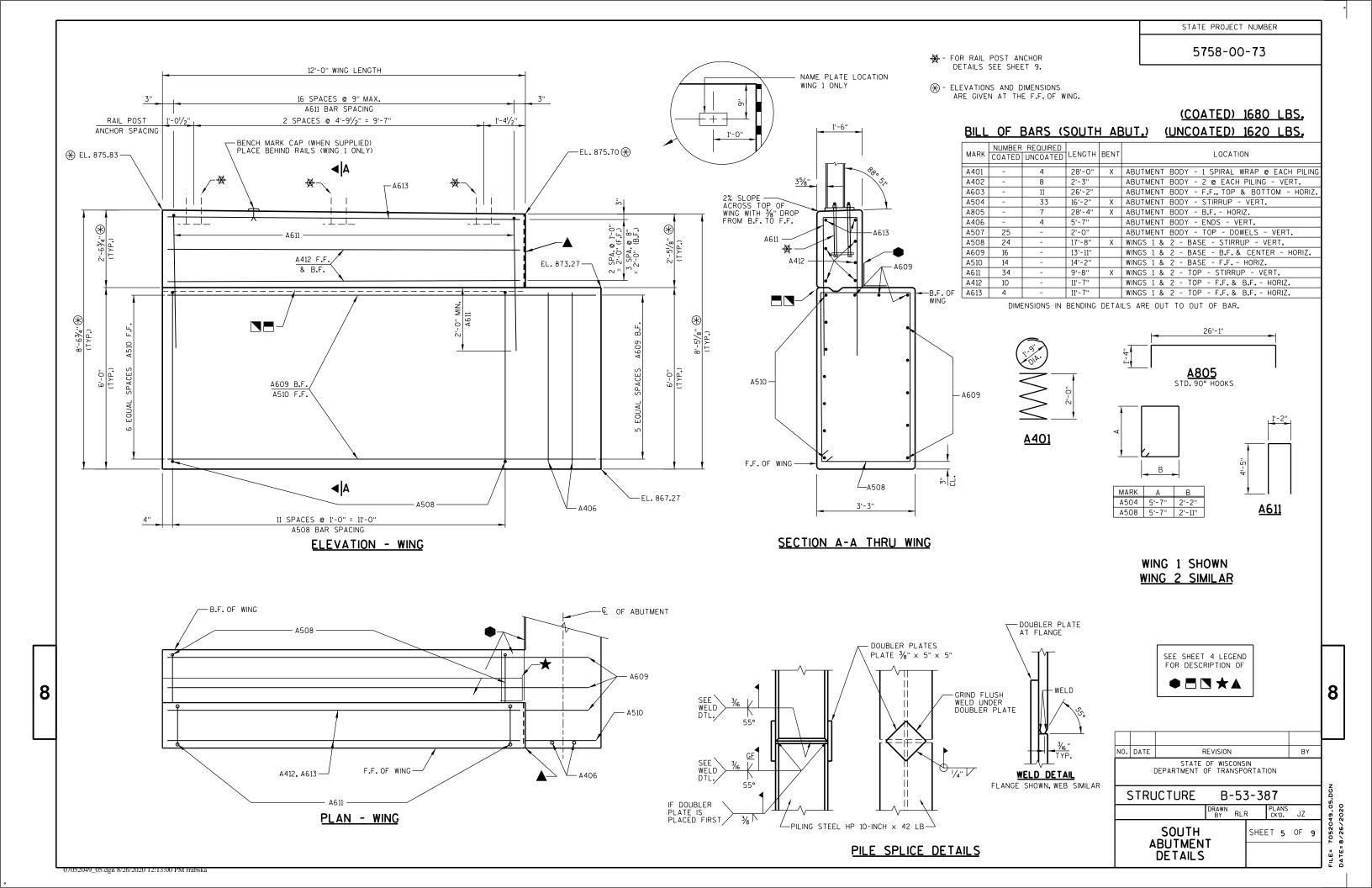
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2012 ADJUSTED). BENCHMARK REFERENCES AT THE PROJECT SITE WERE SET BY THE CONSULTANT USING GPS TECHNOLOGY.

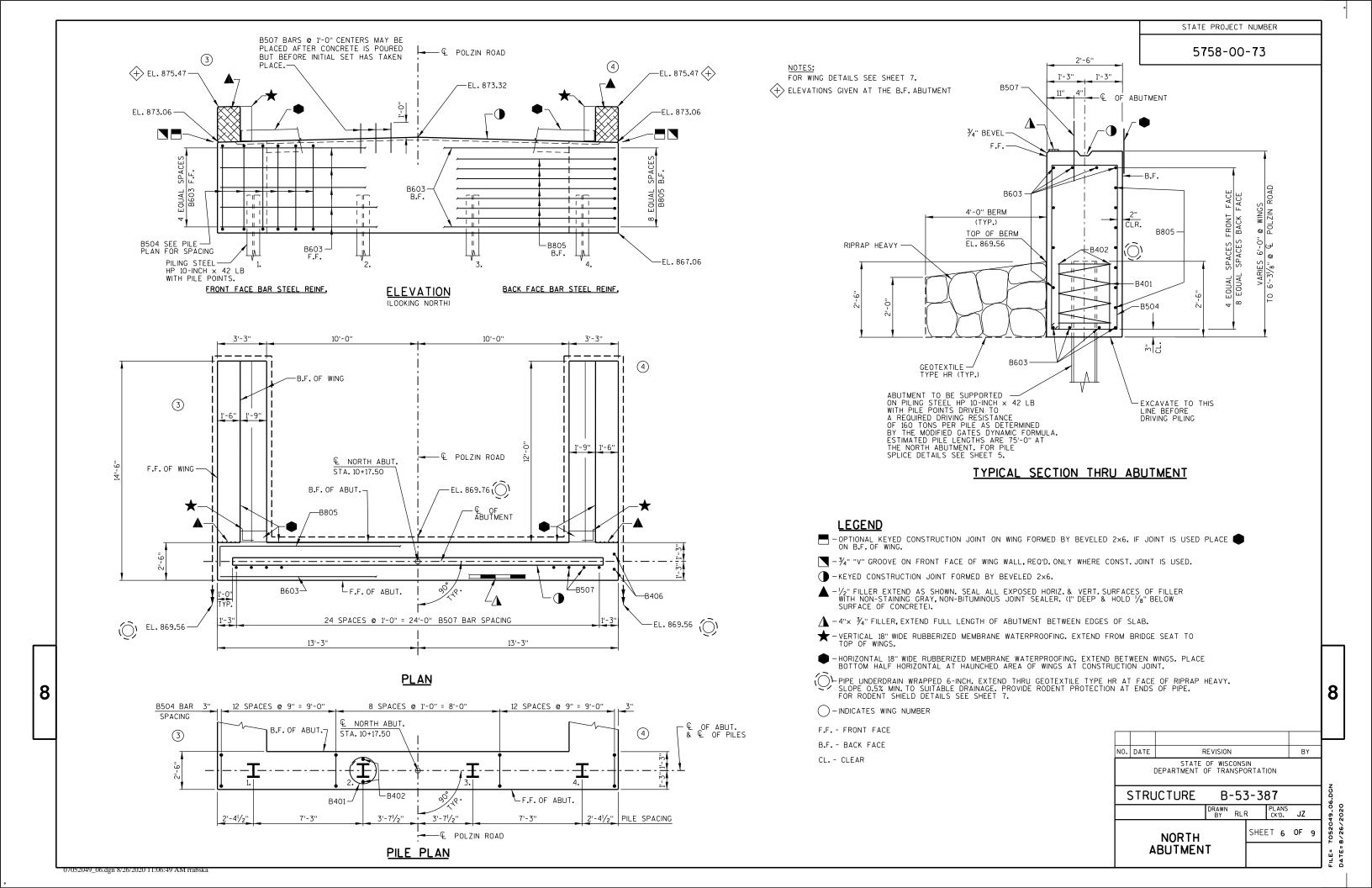
ABUT. ST.

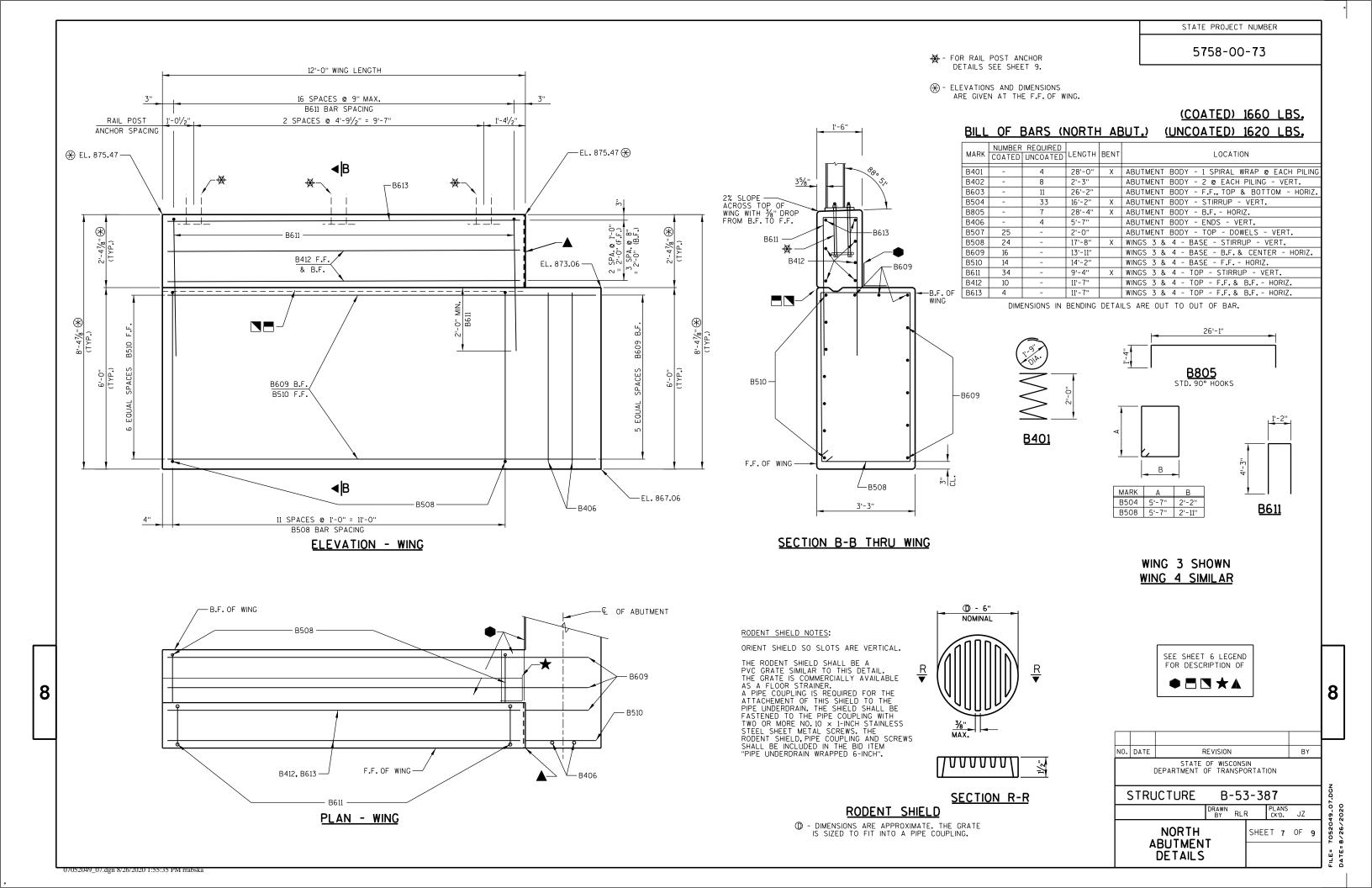
-2.00%

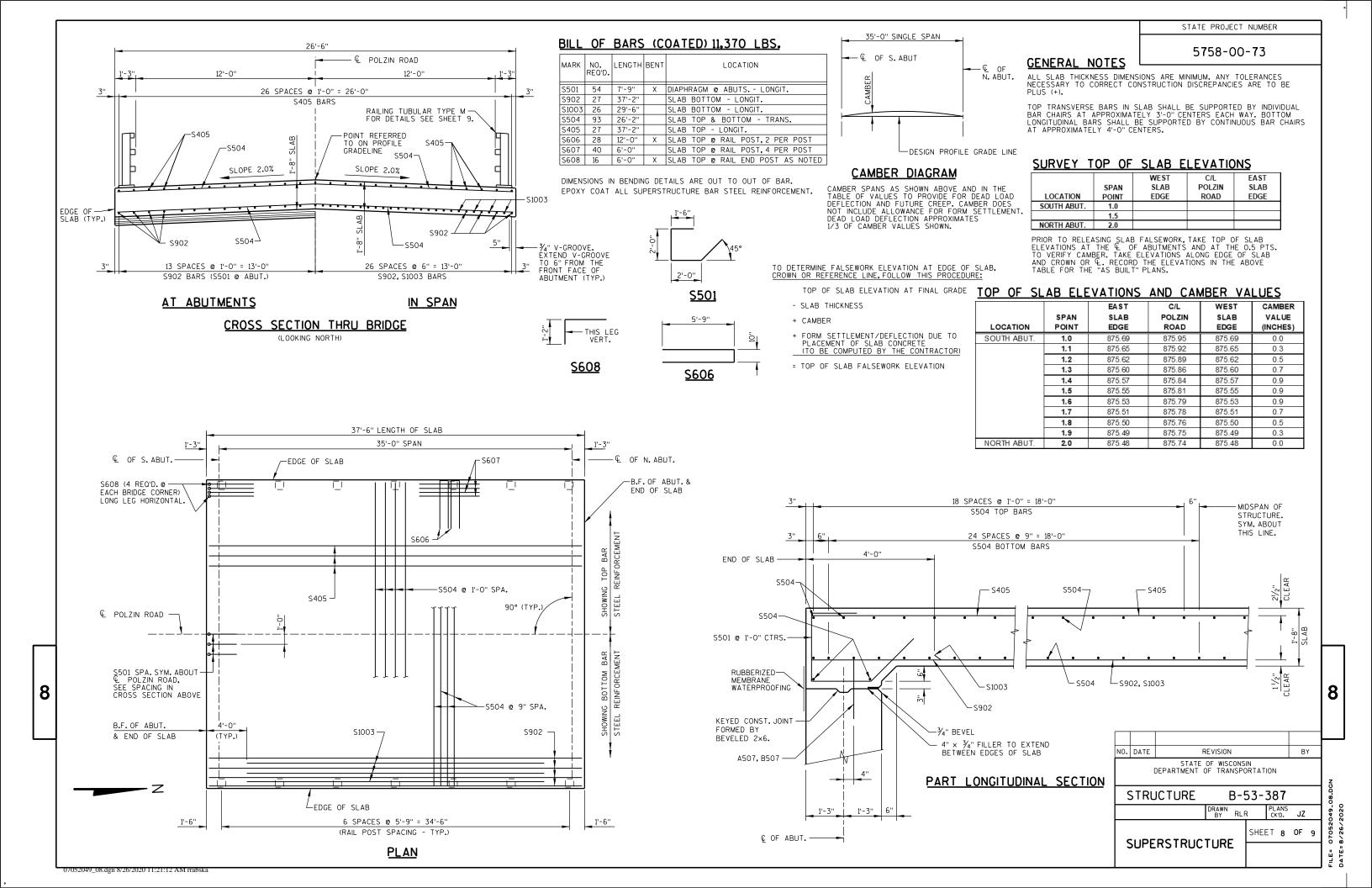


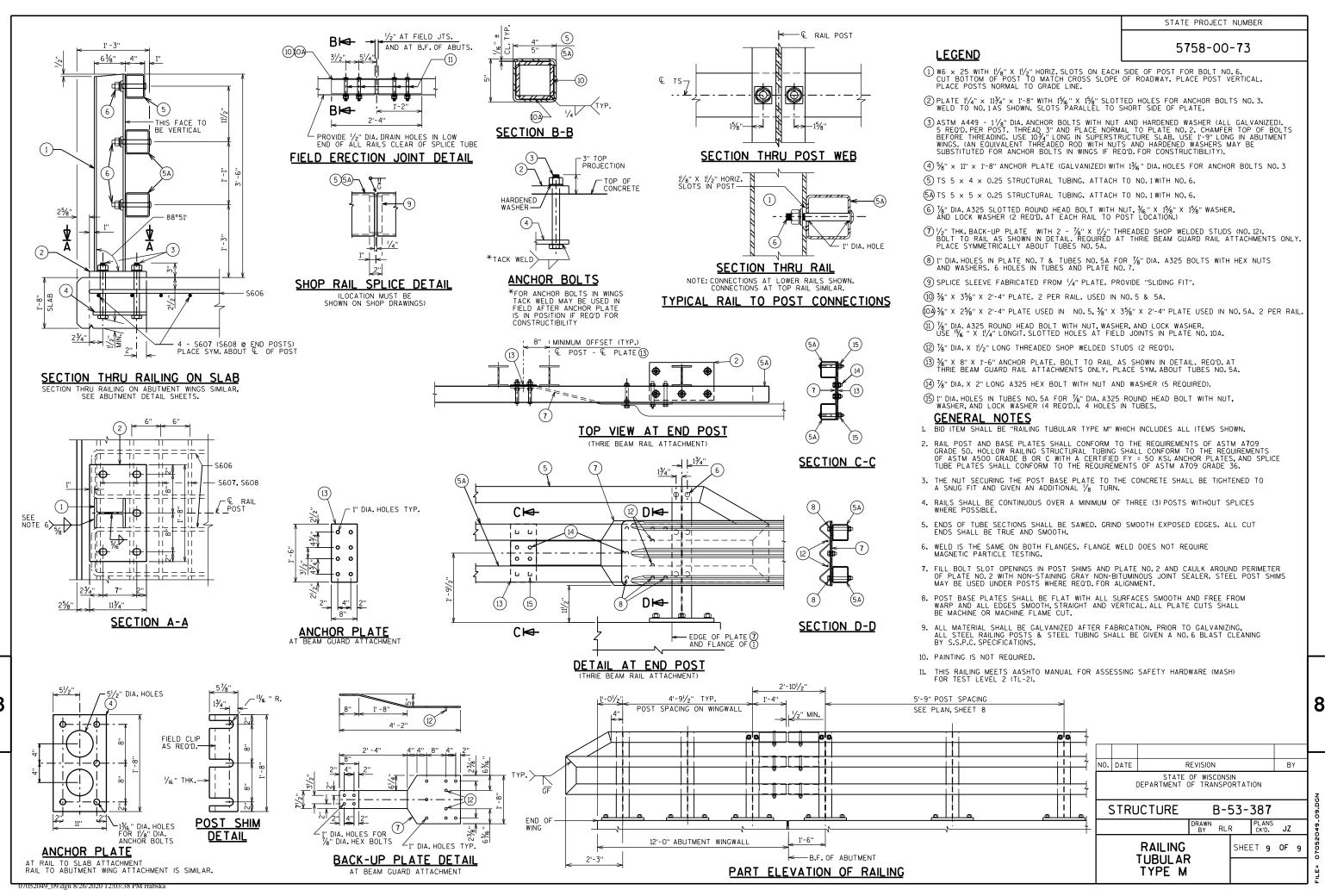












EARTHWORK PROJECT I.D. 5758-00-73

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		1
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
9+25		31	0	0	0	0	0	0	0	0
9+50.	25.00	35	0	3	31	0	1	31	2	29
9+69.26 B-53-0387*	19.26	30	0	15	24	0	6	54	10	45
8-53-0387*	outments accounted f	or in structure plans			54	0	Q			

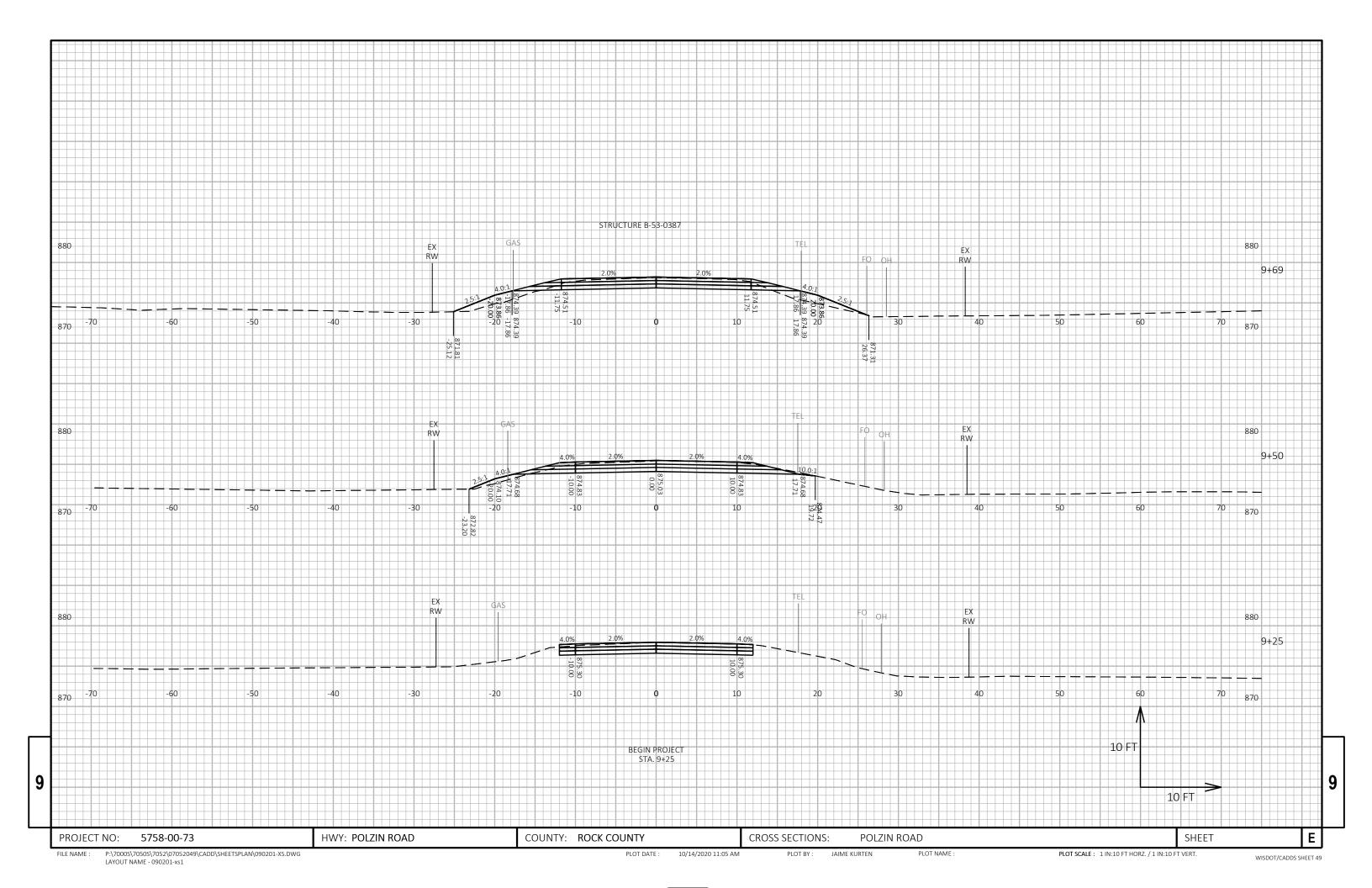
EARTHWORK PROJECT I.D. 5758-00-73

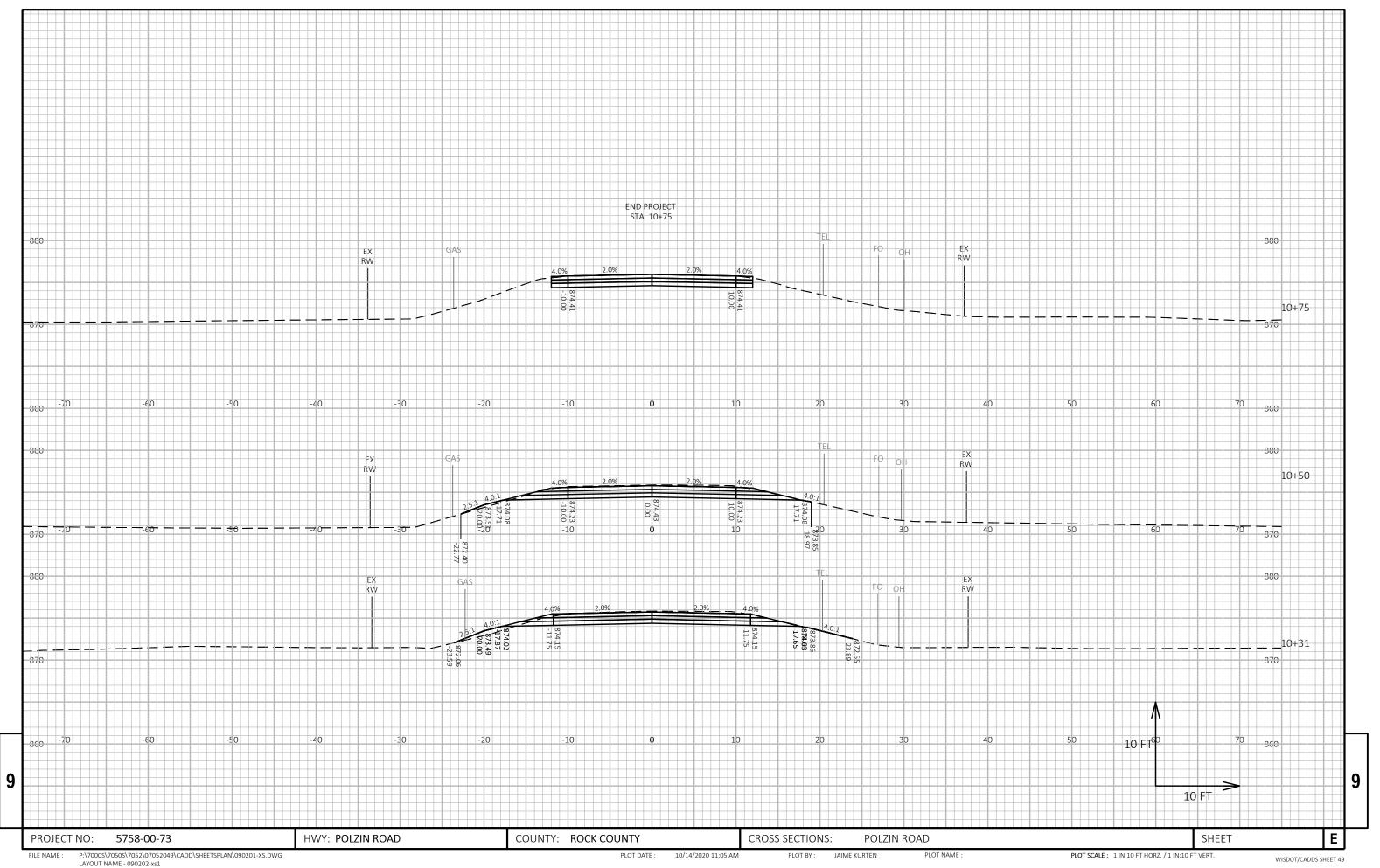
		AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
STATION	Distance	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.25	Mass Ordinate
B-53-0387*										
10+31		41	0	2	0	0	0	0	0	0
10+50	19.24	42	0	1	29	0	1	29	2	28
10+75	24.99	32	0	0	34	0	1	64	2	61
		•								
*Excavation for	*Excavation for abutments accounted for in structure plans.					0	2			

PROJECT NO: X5758-00-77 COUNTY: ROCK SHEET Ε HWY: POLZIN ROAD EARTHWORK DATA PLOT DATE : 8/26/2020 9:04 AM PLOT BY: SIMON SCHIFERL PLOT NAME : PLOT SCALE : 1 IN:1 FT

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WISDOT/CADDS SHEET 49







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