### MAY 2025 ORDER OF SHEETS

ection No. 1 Title

Section No. 2 Typical Sections and Details
Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
Section No. 4 Right of Way Plat
Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings
Section No. 7 Sign Plates

Section No. 9 Computer Earthwork Data

TOTAL SHEETS = 46

# PROJECT LOCATION

### DESIGN DESIGNATION

A.A.D.T. 2025 = 40
A.A.D.T. 2045 = 40
D.H.V. = D.D. = 50/50
T. = 4.7%
DESIGN SPEED = 35 MPH

### CONVENTIONAL SYMBOLS

WOODED OR SHRUB AREA

PLAN		PROFILE	
CORPORATE LIMITS	<u> </u>	GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	_ ^ _
		MARSH OR ROCK PROFILE	_ ROCK_ \
LOT LINE		(To be noted as such)	
LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY			95.36
PROPOSED OR NEW R/W LINE		GRADE ELEVATION	95
SLOPE INTERCEPT		CULVERT (Profile View)	0 🗆
REFERENCE LINE	300'EB'	UTILITIES	
		ELECTRIC	— Е —
EXISTING CULVERT		FIBER OPTIC	— FO —
PROPOSED CULVERT (Box or Pipe)	<del>_</del>	GAS	—— G —
	$\mathcal{M}$	SANITARY SEWER	— SAN —
COMBUSTIBLE FLUIDS	-CAUTION-	STORM SEWER	—— ss —
	7/1	TELEPHONE	— т —
MARSH AREA	(I I I)	WATER	—— w —
INICIONI CIVED	( <u> </u>	UTILITY PEDESTAL	Д
		POWER POLE	Ь

TELEPHONE POLE

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

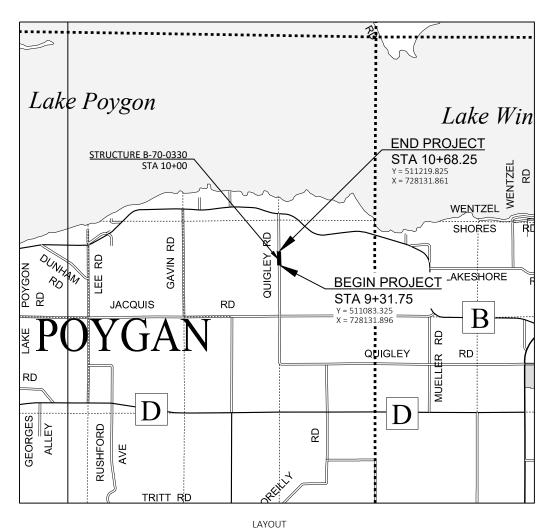
PLAN OF PROPOSED IMPROVEMENT

### T POYGAN, QUIGLEY ROAD

LAKE POYGAN TRIBUTARY BRIDGE

LOC STR WINNEBAGO COUNTY

STATE PROJECT NUMBER **6445-00-01** 



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO COUNTY, NAD83 ( 2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT PROJECT CONTRACT

6445-00-01 WISC 2025476 1

FEDERAL PROJECT

ACCEPTED FOR
TOWN OF POYGAN

ORIGINAL PLANS PREPARED BY

AYRES



1/15/2025 (Date)

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor AYRES

Designer AYRES

Project Manager MIKE COHEN

Regional Supervisor KIMBERLY SLEZAK

APPROVED FOR THE DEPARTMENT

DATE: 1/31/2025 Mike Cohen P.E. (Signature)

E

TOTAL NET LENGTH OF CENTERLINE = 0.026 MI.

1/29/2025 9:02 AM

SCALE I

### **UTILITIES CONTACTS**

ALLIANT ENERGY ELECTRIC

WESLEY SCHAAL 883 W SCOTT ST

FOND DU LAC, WI 54937 PHONE: 920-322-6624

EMAIL: wesleyschaal@alliantenergy.com

AT&T DISTRIBUTION COMMUNICATIONS CHARLES BARTELT 70 E DIVISION STREET FOND DU LAC, WI 54935 PHONE: 920-410-5104

EMAIL: cb1461@att.com

SPECTRUM

PROJECT NO:

COMMUNICATIONS LISA ALBIN 3545 PLANK ROAD APPLETON, WI 54915 PHONE: 920-378-0360 EMAIL: lisa.albin@charter.com

### ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES TYPICAL SECTIONS CONSTRUCTION DETAILS

### WISCONSIN DNR LIAISON

JAY SCHIEFELBEIN NORTHEAST REGION 2984 SHAWANO AVE GREEN BAY, WI 54313 PHONE: 920-360-3784 EMAIL: jeremiah.schiefelbein@wisconsin.gov

### TOWN OF POYGAN

MARTIN JOHNSON CHAIRMAN 8291 TRITT ROAD OMRO, WI 54963 PHONE: 920-410-6756 EMAIL: chairman@townofpoygan.gov

### **AYRES ASSOCIATES**

ATTN: KRISTOFER OLSON, PE STRUCTURAL ENGINEER 3376 PACKERLAND DRIVE ASHWAUBENON, WI 54115 PHONE: 920-498-1200 EMAIL: OLSONK@AYRESASSOCIATES.COM

### WIS. DEPT OF TRANSPORTATION

MIKE COHEN NORTHEAST REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 PHONE: 920-360-1476 EMAIL: michael.cohen@dot.wi.gov

### **COUNTY HIGHWAY COMMISSIONER**

ROBERT DOEMEL WINNEBAGO COUNTY 901 W. COUNTY ROAD Y OSHKOSH, WI 54901 PHONE: 920-232-1700 EMAIL: hwy@co.winnebago.wi.us

### **GENERAL NOTES**

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

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER.

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

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

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS TO THE NEAREST SECOND.

ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

WISDOT WILL FURNISH A BENCHMARK MONUMENT TO BE SET BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD.

PROPERTY LINES AS SHOWN ARE APPROXIMATE.

### **RUNOFF COEFFICIENT TABLE**

		HYDROLOGIC SOIL GROUP													
		A			В				С			D			
	SLOPE	RANGE	(PERCENT)	SLOPE	SLOPE RANGE (PERCENT)			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			
WIEDIAN STRIFTORF.	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40			
SIDE SLOPETURF:			.25			.27			.28			.30			
SIDE SLOPETORP.			.32			.34			.36			.38			
PAVEMENT:															
ASPHALT:						.70	95								
CONCRETE:						.80	95								
BRICK:						.70	80								
DRIVES, WALKS:		.7585													
ROOFS:		.7595													
GRAVEL ROADS, SHOULDERS:		.4060													

HWY: QUIGLEY ROAD

TOTAL PROJECT AREA = <u>0.20</u> ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.15 ACRES

6445-00-00

Dial [31] or (800)242-8511 www.DiggersHotline.com

**GENERAL NOTES** 

SHEET

Ε

I:\42\42-1414.00 - WINNEBAGO CO, TN POYGAN, QUIGLEY RD\C3D\SHEETS\020101-GN.DWG FILE NAME : LAYOUT NAME - 020101-gn

COUNTY: WINNEBAGO

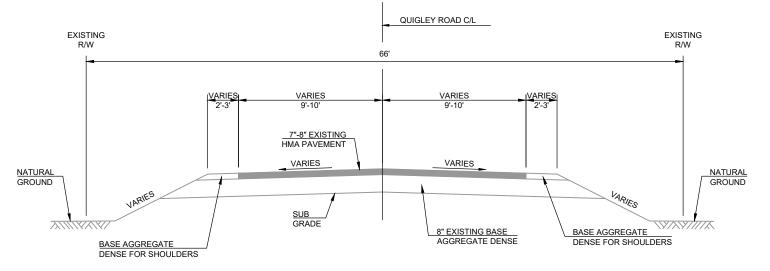
PLOT BY:

PLOT NAME :

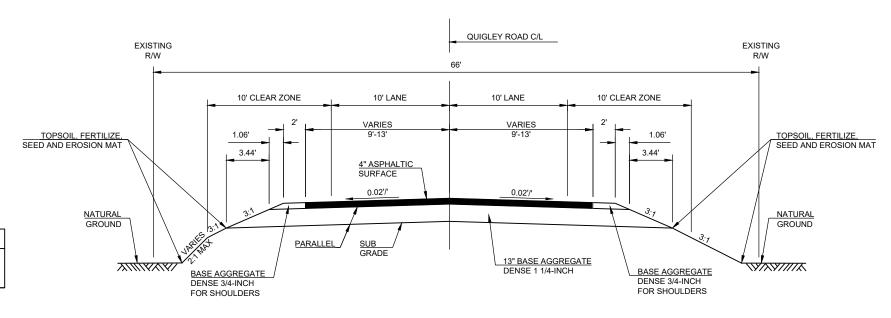
PLOT SCALE :

3/21/2025 2:10 PM





### EXISTING TYPICAL SECTION FOR QUIGLEY ROAD STA. 9+31.75 - STA. 10+68.25



### FINISHED TYPICAL SECTION FOR QUIGLEY ROAD

STA. 9+31.75 - STA. 9+81.75 STA. 10+18.25 - STA. 10+68.25

Ε PROJECT NO: 6445-00-00 HWY: QUIGLEY ROAD COUNTY: WINNEBAGO TYPICAL SECTIONS SHEET I:\42\42-1414.00 - WINNEBAGO CO, TN POYGAN, QUIGLEY RD\C3D\SHEETS\020301-TS.DWG HOSPER, JAN PLOT NAME :

1/27/2025 10:44 AM

PLOT BY:

FILE NAME :

4" ASPHALTIC

SURFACE

PAVEMENT LAYERS

1.75" UPPER LAYER

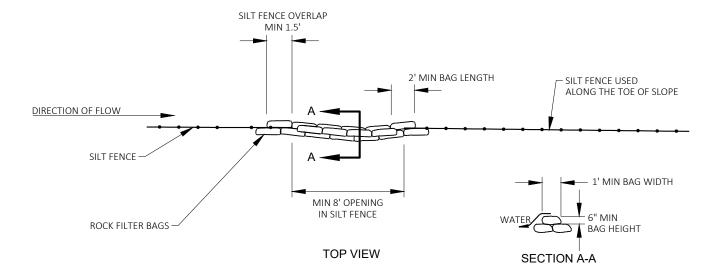
2.25" LOWER LAYER

PLOT SCALE :

##########

2

2



ROCK BAGS USED FOR SILT FENCE RELIEF

PROJECT NO: 6445-00-00 HWY: QUIGLEY ROAD COUNTY: WINNEBAGO CONSTRUCTION DETAILS SHEET **E** 

FILE NAME : I:\42\42-1414.00 - WINNEBAGO CO, TN POYGAN, QUIGLEY RD\C3D\SHEETS\021001-CD.DWG LAYOUT NAME - 021001-cd

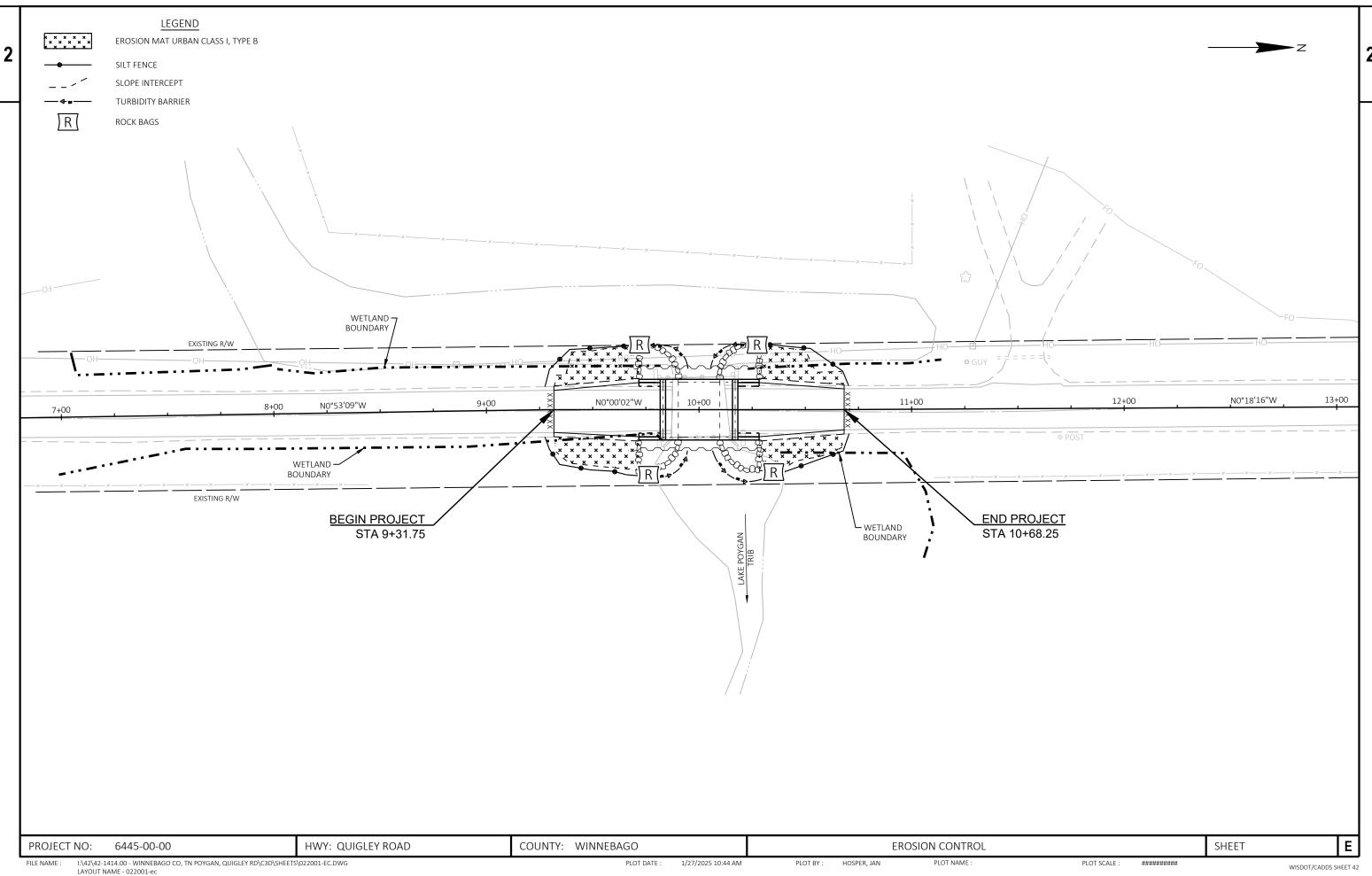
PLOT DATE : 1/27/2025 10:44 AM

PLOT BY: HOSPER, JAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



WISDOT/CADDS SHEET 42

Page 1

6445-0	<b>\</b> ∩_ו	∩1

					6445-00-01	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0205	Grubbing	STA	2.000	2.000	
0004	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. P-70-903	EACH	1.000	1.000	
0006	205.0100	Excavation Common	CY	170.000	170.000	
8000	206.1001	Excavation for Structures Bridges (structure) 01. B-70-330	EACH	1.000	1.000	
0010	206.5001	Cofferdams (structure) 01. B-70-330	EACH	1.000	1.000	
0012	208.0100	Borrow	CY	17.000	17.000	
0014	210.1500	Backfill Structure Type A	TON	200.000	200.000	
0016	213.0100	Finishing Roadway (project) 01. 6445-00-01	EACH	1.000	1.000	
0018	305.0110	Base Aggregate Dense 3/4-Inch	TON	10.000	10.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	140.000	140.000	
0022	455.0605	Tack Coat	GAL	20.000	20.000	
0024	465.0105	Asphaltic Surface	TON	60.000	60.000	
0026	502.0100	Concrete Masonry Bridges	CY	141.000	141.000	
0028	502.3200	Protective Surface Treatment	SY	110.000	110.000	
0030	502.3210	Pigmented Surface Sealer	SY	60.000	60.000	
0032	505.0400	Bar Steel Reinforcement HS Structures	LB	3,460.000	3,460.000	
0034	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	17,540.000	17,540.000	
0036	516.0500	Rubberized Membrane Waterproofing	SY	20.000	20.000	
0038	550.0500	Pile Points	EACH	10.000	10.000	
0040	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	550.000	550.000	
0042	606.0300	Riprap Heavy	CY	108.000	108.000	
0044	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	140.000	140.000	
0046	619.1000	Mobilization	EACH	1.000	1.000	
0048	624.0100	Water	MGAL	4.000	4.000	
0050	625.0100	Topsoil	SY	240.000	240.000	
0052	628.1504	Silt Fence	LF	250.000	250.000	
0054	628.1520	Silt Fence Maintenance	LF	500.000	500.000	
0056	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0060	628.2008	Erosion Mat Urban Class I Type B	SY	240.000	240.000	
0062	628.6005	Turbidity Barriers	SY	85.000	85.000	
0064	628.7570	Rock Bags	EACH	75.000	75.000	
0066	629.0210	Fertilizer Type B	CWT	1.000	1.000	
0068	630.0120	Seeding Mixture No. 20	LB	5.000	5.000	
0070	630.0500	Seed Water	MGAL	6.000	6.000	
0072	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	4.000	4.000	
0074	637.2230	Signs Type II Reflective F	SF	12.000	12.000	
0076	638.2602	Removing Signs Type II	EACH	4.000	4.000	
0078	638.3000	Removing Small Sign Supports	EACH	4.000	4.000	
0800	642.5001	Field Office Type B	EACH	1.000	1.000	
0082	643.0420	Traffic Control Barricades Type III	DAY	1,206.000	1,206.000	
0084	643.0705	Traffic Control Warning Lights Type A	DAY	1,608.000	1,608.000	
0086	643.0900	Traffic Control Signs	DAY	670.000	670.000	
0088	645.0111	Geotextile Type DF Schedule A	SY	50.000	50.000	
0090	645.0120	Geotextile Type HR	SY	221.000	221.000	
0092	650.4500	Construction Staking Subgrade	LF	100.000	100.000	
0094	650.5000	Construction Staking Base	LF	100.000	100.000	
0096	650.6501	Construction Staking Structure Layout (structure) 01. B-70-330	EACH	1.000	1.000	
0098	650.9911	Construction Staking Supplemental Control (project) 01. 6445-00-01	EACH	1.000	1.000	

### 03/24/2025 10:21:04

**Estimate Of Quantities** Page 2

Line	Item	Item Description	Unit	Total	Qty
0100	650.9920	Construction Staking Slope Stakes	LF	100.000	100.000
0102	690.0150	Sawing Asphalt	LF	40.000	40.000
0104	715.0502	Incentive Strength Concrete Structures	DOL	846.000	846.000
0106	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	600.000	600.000
0108	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0110	SPV.0060	Special 01. Temporary Bypass Pumping STA 10+00	EACH	1.000	1.000
0112	SPV.0195	Special 01. Select Crushed Material for Travel Corridor	TON	50.000	50.000



•
•

DIVISION DIVISION 1	FROM/TO STATION	LOCATION	COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE (15)	208.0100 BORROW
	9+31.75/10+68.25		170	34	136	118	153	-17		
DIVISION 1 SUBTOTAL	·		170	34	136	118	153	-17	0	17
GRAND TOTAL			170	34	136	118	153	-17	0	17
	TOTAL CO	DMMON EXC	170	•		•			•	

#### NOTES:

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 5) AVAILABLE MATERIAL = CUT SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- (13) EXPANDED FILL FACTOR = 1.30
- (14) 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.
- (15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

### <u>AGGREGATES</u>

|--|

						305.0110	305.0120	624.0100	
						BASE	BASE AGGREGATE		
	201.0205					AGGREGATE	DENSE		
	GRUBBING					DENSE 3/4-INCH	1 1/4-INCH	WATER	
STATION TO STATION LO	OCATION STA	STATION	N TO	STATION	LOCATION	TON	TON	MGAL	REMARKS
9+00 - 11+00 QUI	GLEY ROAD 2	9+32	-	9+82	QUIGLEY ROAD	5	70	2	SOUTH APPROACH
•		10+18	-	10+68	QUIGLEY ROAD	5	70	2	NORTH APPROACH
TO	OTAL 0010 2								_
					TOTAL 0010	10	140	4	-

### LANDSCAPING ITEMS

### ASPHALTIC SURFACE

		455.0605	465.0105				625.0100	628.2008 EROSION MAT	629.0210	630.0120	630.0500
		433.0003	ASPHALTIC					URBAN CLASS I	FERTILIZER	SEEDING	
		TACK COAT	SURFACE				TOPSOIL	TYPE B	TYPE B	MIXTURE NO. 20	SEED WATER
STATION TO STATION	LOCATION	GAL	TON	REMARKS	STATION TO STATION	LOCATION	SY	SY	CWT	LB	MGAL
-											
9+32 - 9+82	QUIGLEY ROAD	10	30	SOUTH APPROACH	9+32 - 9+72	QUIGLEY ROAD, LT	60	60	0.1	1.2	1.3
10+18 - 10+68	QUIGLEY ROAD	10	30	NORTH APPROACH	9+32 - 9+72	QUIGLEY ROAD, RT	54	54	0.1	0.9	1.2
					10+28 - 10+68	QUIGLEY ROAD, LT	50	50	0.1	0.8	1.1
	TOTAL 0010	20	60	<del>-</del>	10+28 - 10+68	QUIGLEY ROAD, RT	49	49	0.1	0.8	1.1
	TOTAL 0010	20	00		UNDISTRIBUTED		27	27	0.6	1.3	1.3
						TOTAL 0010	240	240	1	5	6

	PROJECT NO: 6445-00-01	HWY: QUIGLEY ROAD	COUNTY: WINNEBAGO	MISCELLANEOUS QUANTITIES	SHEET:	E
_						

3

TURBIDITY BARRIER

**REMOVE SIGN POST** 

### 3

MOBILIZATIONS EROSION CONTROL

TOTAL 0010

250

Control   Cont										
STATION   TO   STATION   LOCATION   LOCATION   LF   LF   STATION   TO   STATION   STATION   TO   STATION   TO   STATION   ST									628.1905	628.1910
SILT FENCE   SILT FENCE   MAINTENANCE   STATION   TO   STATION										MOBILIZATIONS
STATION   TO   STATION   TO   STATION   LOCATION   LOCATION   LF   LF   LF   STATION   TO   STATION   TO   STATION   LOCATION   LOCATION   EACH   EACH				628.1504	628.1520				MOBILIZATIONS	EMERGENCY
STATION         TO         STATION         LOCATION         LF         LF         LF         STATION         TO         STATION         LOCATION         EACH         EACH           9+32         -         9+72         QUIGLEY ROAD, LT         54         108         9+32         -         10+68         QUIGLEY ROAD, RT         58         116           10+28         -         10+68         QUIGLEY ROAD, LT         50         100         TOTAL 0010         5         3           10+28         -         10+68         QUIGLEY ROAD, RT         51         102         TOTAL 0010         5         3					SILT FENCE				EROSION	EROSION
9+32 - 9+72 QUIGLEY ROAD, LT 54 108 9+32 - 10+68 QUIGLEY ROAD 5 3 9+32 - 9+72 QUIGLEY ROAD, RT 58 116 10+28 - 10+68 QUIGLEY ROAD, LT 50 100 TOTAL 0010 5 3 10+28 - 10+68 QUIGLEY ROAD, RT 51 102				SILT FENCE	MAINTENANCE				CONTROL	CONTROL
9+32 - 9+72 QUIGLEY ROAD, RT 58 116 10+28 - 10+68 QUIGLEY ROAD, LT 50 100 TOTAL 0010 5 3 10+28 - 10+68 QUIGLEY ROAD, RT 51 102	STATION TO ST	TATION	LOCATION	LF	LF	STATION	TO STATION	LOCATION	EACH	EACH
9+32 - 9+72 QUIGLEY ROAD, RT 58 116 10+28 - 10+68 QUIGLEY ROAD, LT 50 100 TOTAL 0010 5 3 10+28 - 10+68 QUIGLEY ROAD, RT 51 102										
10+28       -       10+68       QUIGLEY ROAD, LT       50       100       TOTAL 0010       5       3         10+28       -       10+68       QUIGLEY ROAD, RT       51       102	9+32 - 9	9+72	QUIGLEY ROAD, LT	54	108	9+32	- 10+68	QUIGLEY ROAD	5	3
10+28 - 10+68 QUIGLEY ROAD, RT 51 102	9+32 - 9	9+72	QUIGLEY ROAD, RT	58	116					
	10+28 - 1	10+68	QUIGLEY ROAD, LT	50	100			TOTAL 0010	5	3
UNDISTRIBUTED 37 74	10+28 - 1	10+68	QUIGLEY ROAD, RT	51	102					
	UNDISTRIBUTE	ΓED		37	74					

### <u>SIGNS</u>

### ROCK BAGS

		628.7570 ROCK BAGS				634.0612 POSTS WOOD 4X6-INCH X 12-FT	637.2230 SIGNS TYPE II REFLECTIVE F				638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	
STATION	LOCATION	EACH	REMARKS	STATION	LOCATION	EACH	SF	REMARKS	STATION	LOCATION	EACH	EACH	REMARKS
9+72	QUIGLEY ROAD, LT	15	SILT FENCE RELIEF	9+80	QUIGLEY ROAD, LT	1	3	OM3-L	9+82	QUIGLEY ROAD, LT	1	1	OBJECT MARKER
9+75	QUIGLEY ROAD, RT	15	SILT FENCE RELIEF	9+80	QUIGLEY ROAD, RT	1	3	OM3-R	9+83	QUIGLEY ROAD, RT	1	1	OBJECT MARKER
10+27	QUIGLEY ROAD, LT	15	SILT FENCE RELIEF	10+20	QUIGLEY ROAD, LT	1	3	OM3-L	10+16	QUIGLEY ROAD, LT	1	1	OBJECT MARKER
10+35	QUIGLEY ROAD, RT	15	SILT FENCE RELIEF	10+20	QUIGLEY ROAD, RT	1	3	OM3-R	10+19	QUIGLEY ROAD, RT	1	1	OBJECT MARKER
	UNDISTRIBUTED	15	SILT FENCE RELIEF										_
			<u>_</u>		TOTAL 0010	4	12	=		TOTAL 0010	4	4	•
	TOTAL 0010	75	_										

PROJECT NO: 6445-00-01 HWY: QUIGLEY ROAD COUNTY: WINNEBAGO MISCELLANEOUS QUANTITIES SHEET: **E** 

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

### 3

### TRAFFIC CONTROL SIGNS

		643.0 TRAFFIC C		643.0 TRAFFIC C		643.0 TRAFFIC C		
	APPOXIMATE	BARRICADI	ES TYPE III	WARNING LIC	GHTS TYPE A	SIGI	VS	
	SERVICE	NO. IN		NO. IN		NO. IN		
LOCATION	DAYS	SERVICE	DAY	SERVICE	DAY	SERVICE	DAY	REMARKS
SOUTH OF WORK ZONE LIMITS	67	2	134	4	268	3	201	(1)
SOUTH WORK ZONE LIMITS	67	7	469	8	536	2	134	(2)
NORTH WORK ZONE LIMITS	67	7	469	8	536	2	134	(2)
NORTH OF WORK ZONE LIMITS	67	2	134	4	268	3	201	(1)
TOTAL 0010			1,206	_	1,608	-	670	•

(1) SEE BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL C
(2) SEE BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETAIL D

### **CONSTRUCTION STAKING**

					650.4500	650.5000	650.9920	650.6501.01	650.9911.01
								CONSTRUCTION	CONSTRUCTION
								STAKING	STAKING
					CONSTRUCTION		CONSTRUCTION	STRUCTURE	SUPPLEMENTAL
					STAKING	CONSTRUCTION	STAKING SLOPE	LAYOUT	CONTROL
					SUBGRADE	STAKING BASE	STAKES	(B-70-0330)	(6445-00-01)
CATEGORY	STATION	TO	STATION	LOCATION	LF	LF	LF	EACH	EACH
0010	9+32	-	9+82	<b>QUIGLEY ROAD</b>	50	50	50	0	1
0010	10+18	-	10+68	QUIGLEY ROAD	50	50	50	0	0
				TOTAL 0010	100	100	100	0	1
0020		10+0	0	B-70-0330	0	0	0	1	0
				TOTAL 0020	0	0	0	1	0
				PROJECT TOTAL	100	100	100	1	1

### <u>SAWING</u>

		690.0150	
		SAWING	
		ASPHALT	
STATION	LOCATION	LF	REMARKS
9+32	QUIGLEY ROAD	20	SOUTH APPROACH
10+68	QUIGLEY ROAD	20	NORTH APPROACH

TOTAL 0010

### TEMPORARY BYPASS PUMPING

SPV.0060.01
SPECIAL (01. TEMPORARY BYPASS PUMPING)

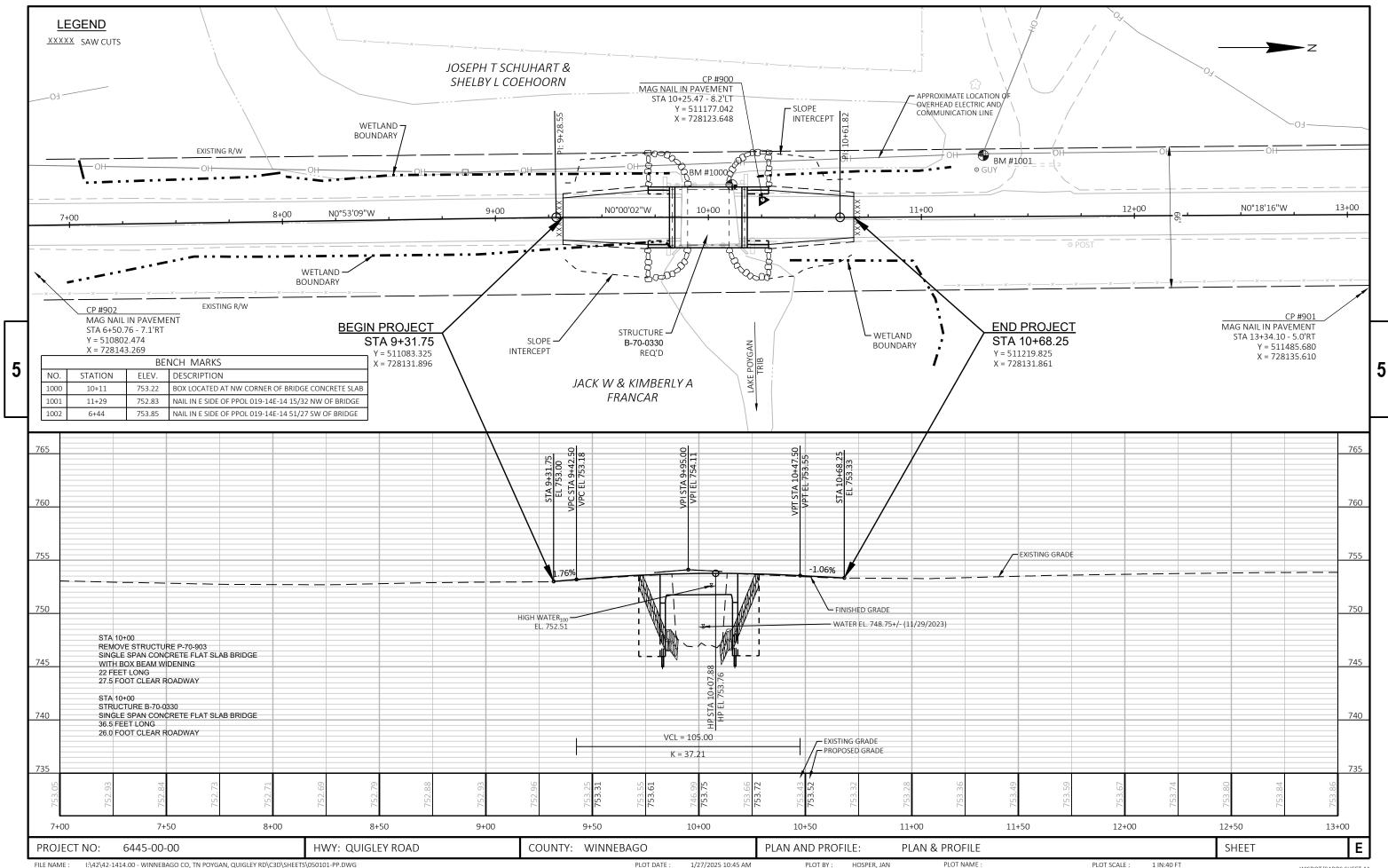
STATION EACH

10+00 1

TOTAL 0010 1

PROJECT NO: 6445-00-01 HWY: QUIGLEY ROAD COUNTY: WINNEBAGO 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

08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
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
	· · · · · · · · · · · · · · · · · · ·

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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

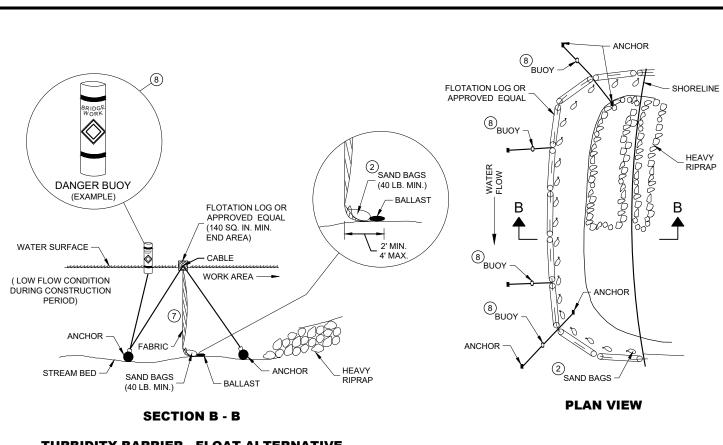
(WHEN REQUIRED BY THE ENGINEER)



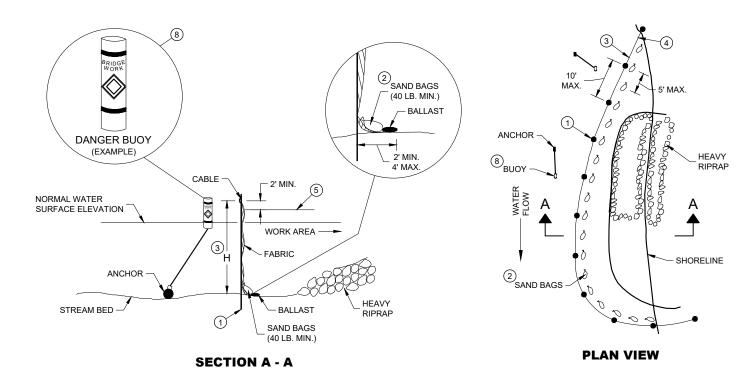
6

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D.D. 8 E 9-6



### **TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6**



**TURBIDITY BARRIER - STANDARD POST INSTALLATION** 

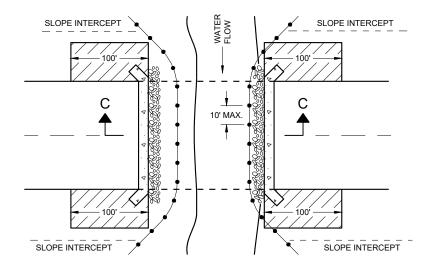
### **TURBIDITY BARRIER PLACEMENT DETAILS**

### **GENERAL NOTES**

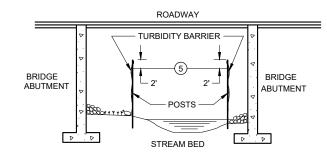
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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  $\infty$ 

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**

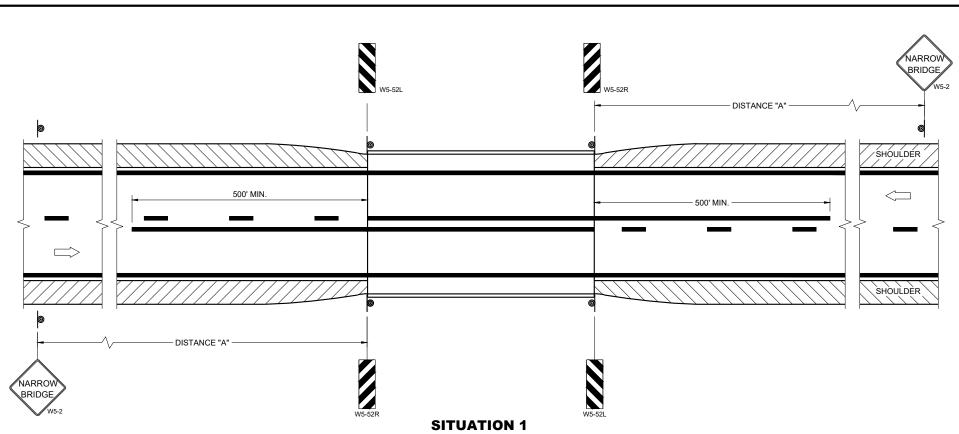
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

**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.

# W5-52L W5-52L W5-52L W5-52L W5-52L

### **SITUATION 2**

SDD

**15C06-12** 

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

### **GENERAL NOTES**

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

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

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

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

1) OMIT ON ONE-WAY TRAVELED WAYS.

### **LEGEND**

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

### DISTANCE TABLE

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

### SIGNING AND MARKING FOR TWO LANE BRIDGES

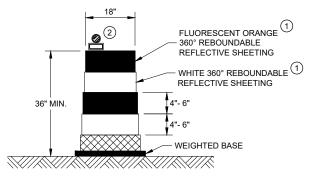
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

# **SDD 15C11**

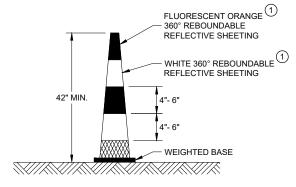
### **GENERAL NOTES**

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



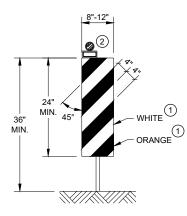
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



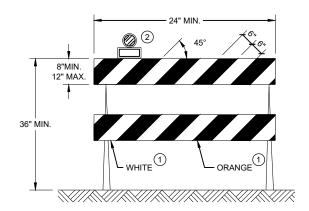
### **42" CONE**

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



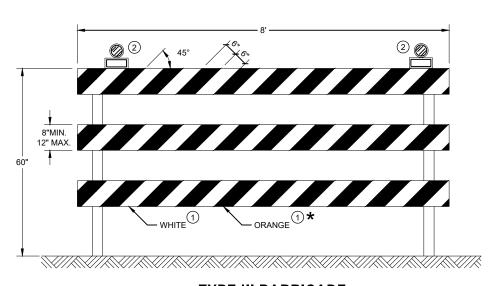
### **VERTICAL PANEL**

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



### **TYPE II BARRICADE**

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



### **TYPE III BARRICADE**

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

\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 15C

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





RURAL AREA (See Note 2)



### GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

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

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

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



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

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

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

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

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

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



### **ELEVATION VIEW**

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



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

HWY:



### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE : 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





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



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

HWY:

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

### GENERAL NOTES

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

### POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

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

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr\_stdplate\A44.dgn

PROJECT NO:

COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h

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



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

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

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

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

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

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

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

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 1/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

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

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A48.DGN

PROJECT NO:



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

DATE 2/05/15

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

For State Traffic Engineer



### BANDING



SINGLE SIGN





## WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X<sup>3</sup>/<sub>8</sub>" I.D. X<sup>1</sup>/<sub>16</sub>" STEEL 1-1/4" O.D.  $\times \frac{3}{8}$ " I.D.  $\times$  .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

### GENERAL NOTES

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

### "J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

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

PROJECT NO:

VIEW FROM TOP

### GENERAL NOTES

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

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

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

BLOCK BANDING DETAIL ( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

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

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A510.dgn

PROJECT NO:

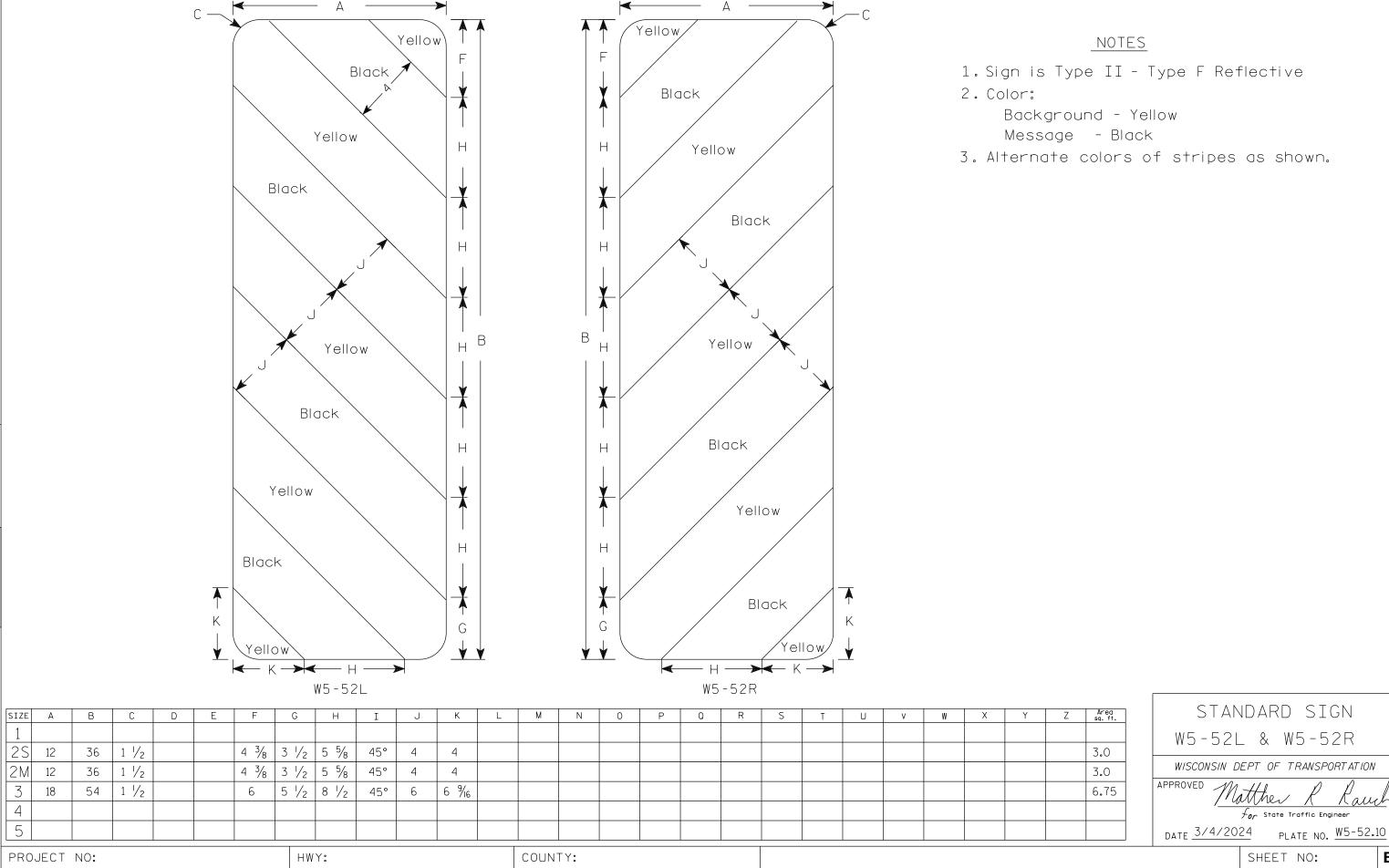
PLOT DATE: 19-APRIL 2022 11:55

SIGN

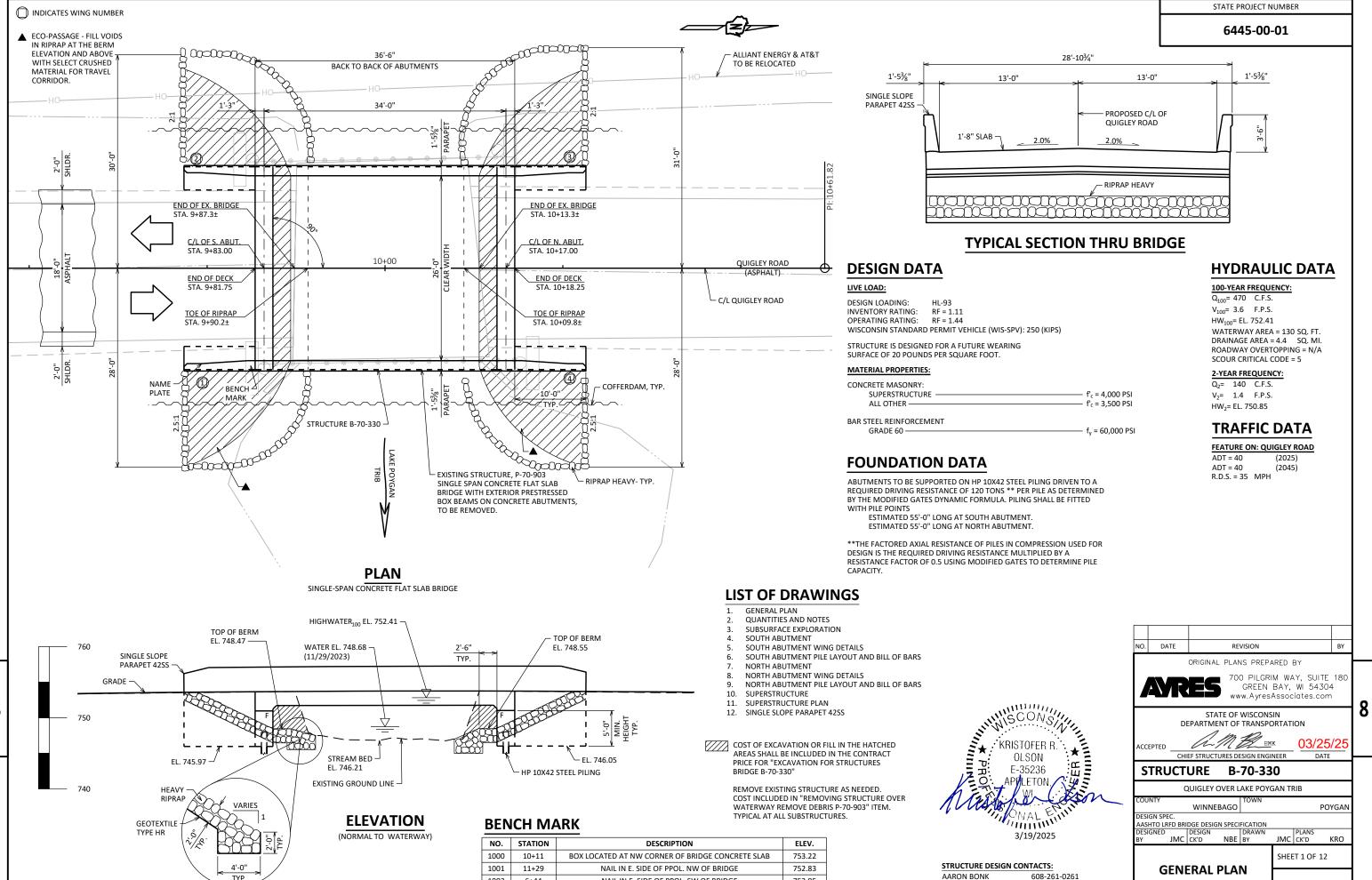
PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε



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



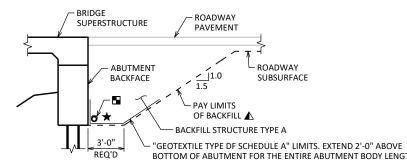
KRISTOFER OLSON

920-498-1200

1002 6+44 753.85 NAIL IN E. SIDE OF PPOL. SW OF BRIDGE

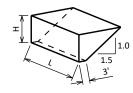
DATE:

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	S ABUT.	N ABUT.	TOTALS
203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS P-70-903	EACH				1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-70-330	EACH				1
206.5001	COFFERDAMS B-70-330	EACH				1
210.1500	BACKFILL STRUCTURE TYPE A	TON		100	100	200
502.0100	CONCRETE MASONRY BRIDGES	CY	78.7	31.1	31.1	141
502.3200	PROTECTIVE SURFACE TREATMENT	SY	110			110
502.3210	PIGMENTED SURFACE SEALER	SY	40	10	10	60
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURE	LB		1,730	1,730	3,460
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	13,740	1,900	1,900	17,540
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		10	10	20
550.0500	PILE POINTS	EACH		5	5	10
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF		275	275	550
606.0300	RIPRAP HEAVY	CY		54	54	108
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		70	70	140
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY		25	25	50
645.0120	GEOTEXTILE TYPE HR	SY		110	111	221
SPV.0195.01	SELECT CRUSHED MATERIAL FOR TRAVEL CORRIDOR	TON		25	25	50
	NON-BID ITEMS					
	FILLER	SIZE				1/2", 3/4"



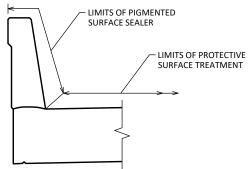
### **TYPICAL SECTION THRU ABUTMENT**

- ▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.
- ★ FOR BOTTOM OF ABUTMENTS LOCATED BELOW NORMAL WATER, PLACE DRAIN ABOVE NORMAL WATER. SEE BRIDGE MANUAL 12.6.1 FOR ADDITIONAL GUIDANCE.

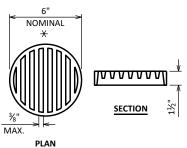


### **ABUTMENT BACKFILL DIAGRAM**

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



### PROTECTIVE SURFACE TREATMENT DETAIL



### **RODENT SHIELD DETAIL**

★ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED

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.

### **GENERAL NOTES**

6445-00-01

STATE PROJECT NUMBER

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

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-70-330" SHALL BE THE EXISTING

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

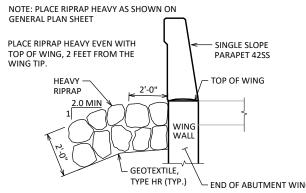
PROTECTIVE SURFACE TREATMENT AND PIGMENTED SURFACE SEALER TO BE APPLIED AS

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

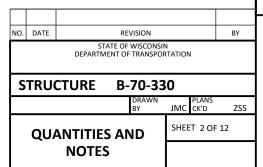
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

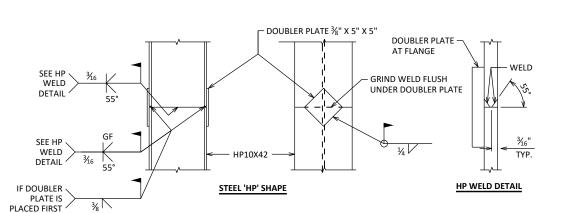
AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

EXISTING SUBSTRUCTURE LOCATIONS ARE BASED ON SURVEY. EXTENT OF BELOW GRADE SUBSTRUCTURE ARE NOT KNOW. REMOVE EXISTING SUBSTRUCTURE AS NEEDED TO BUILD NEW SUBSTRUCTURE. COST OF SUBSTRUCTURE REMOVAL IS CONSIDERED INCIDENTAL TO "REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS P-70-903" BID ITEM.



### TYPICAL FILL SECTION AT WING TIPS





**'HP' PILE DETAILS** 

COUPLING. ORIENT SO SLOTS ARE VERTICAL

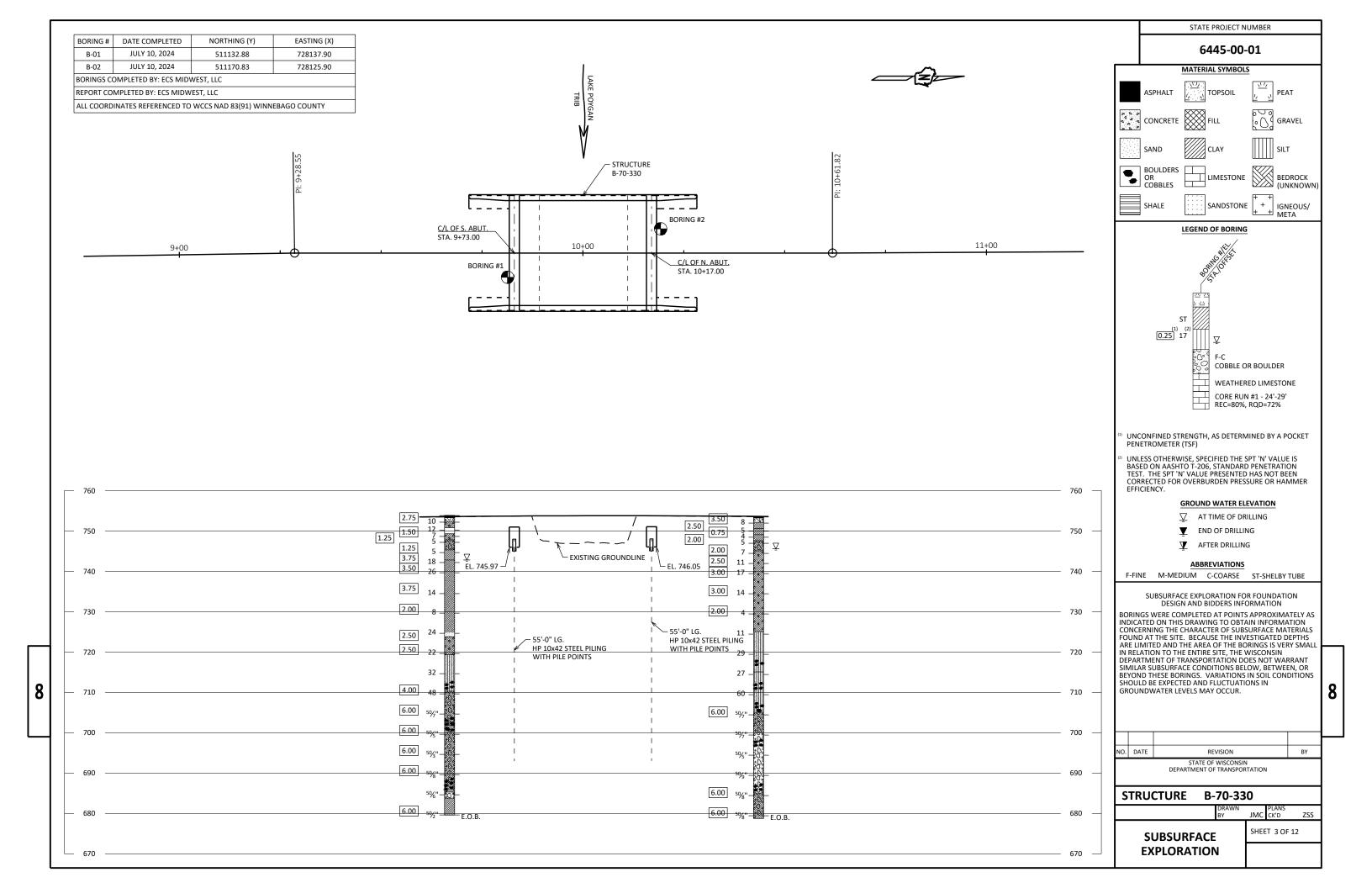
INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH"

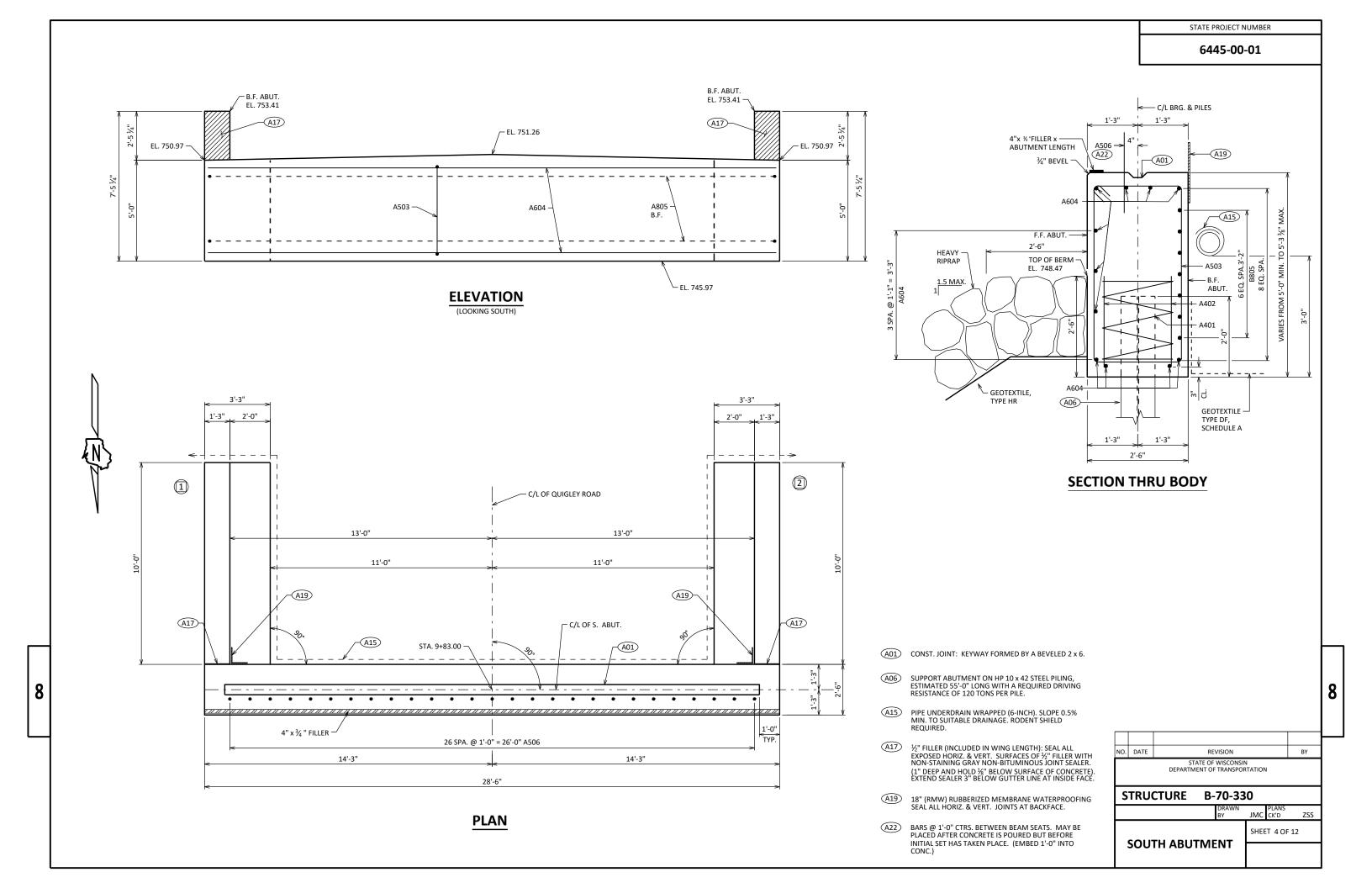
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING

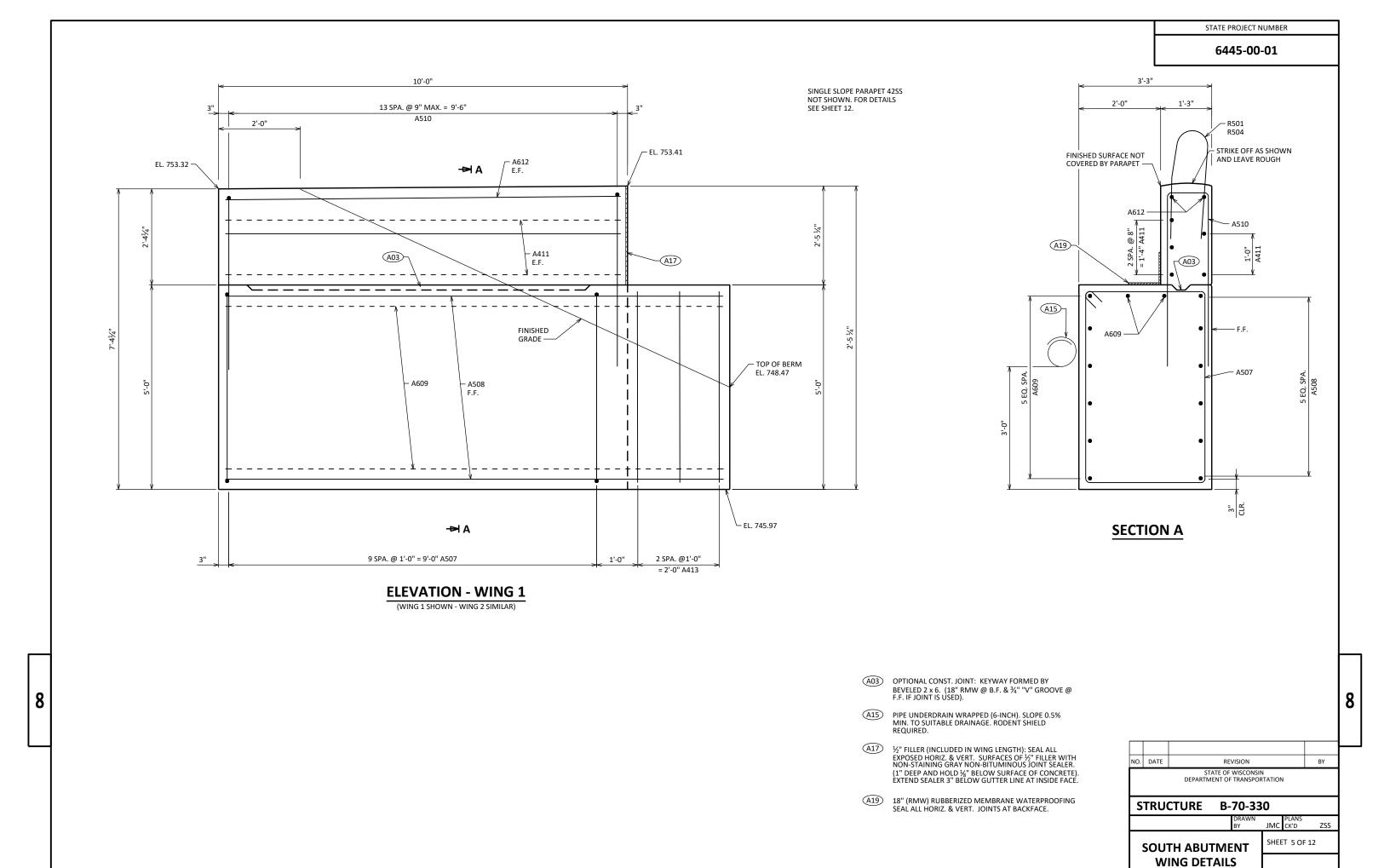
PROFILE GRADE LINE

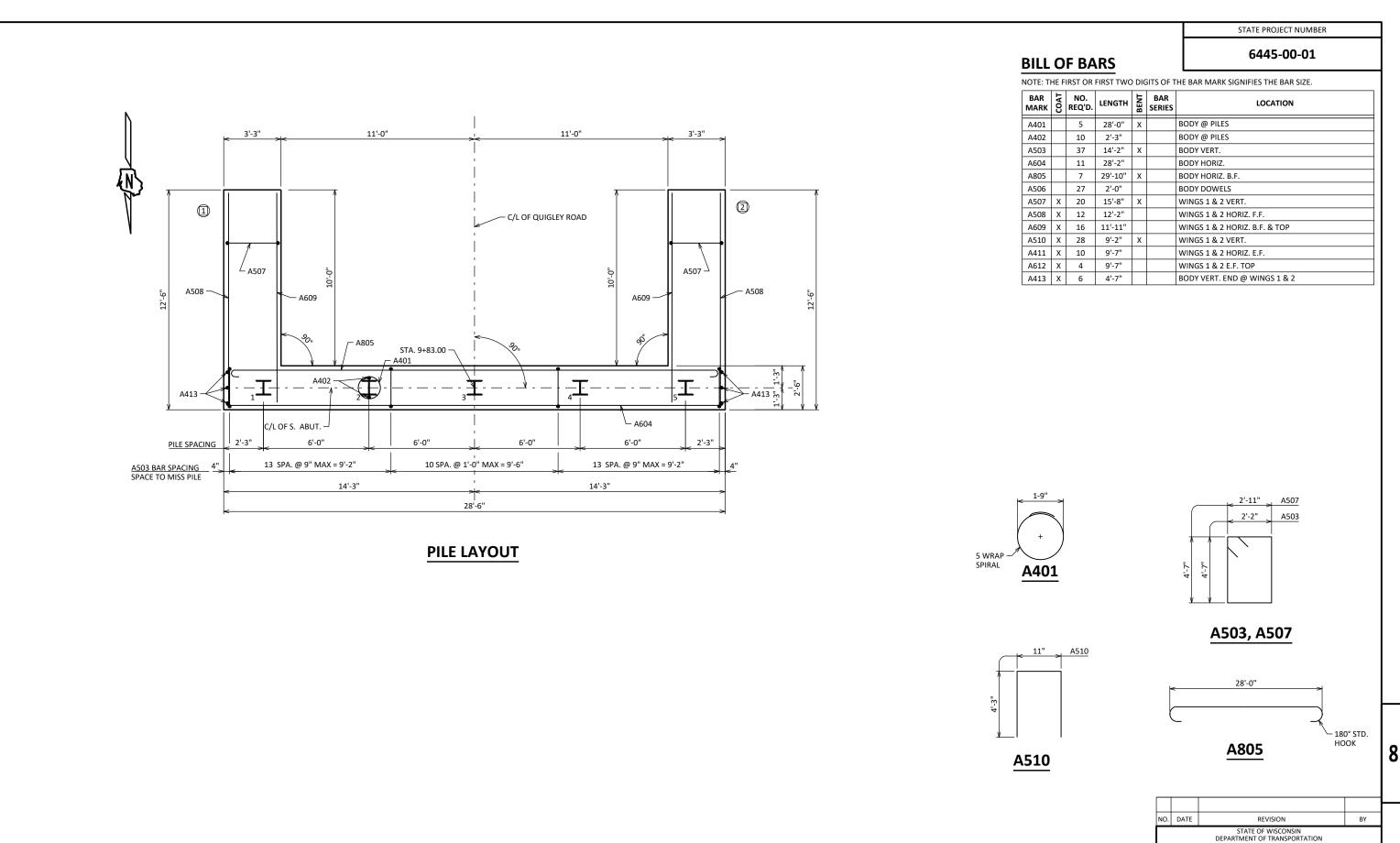
C/L QUIGLEY ROAD -

105'-0"





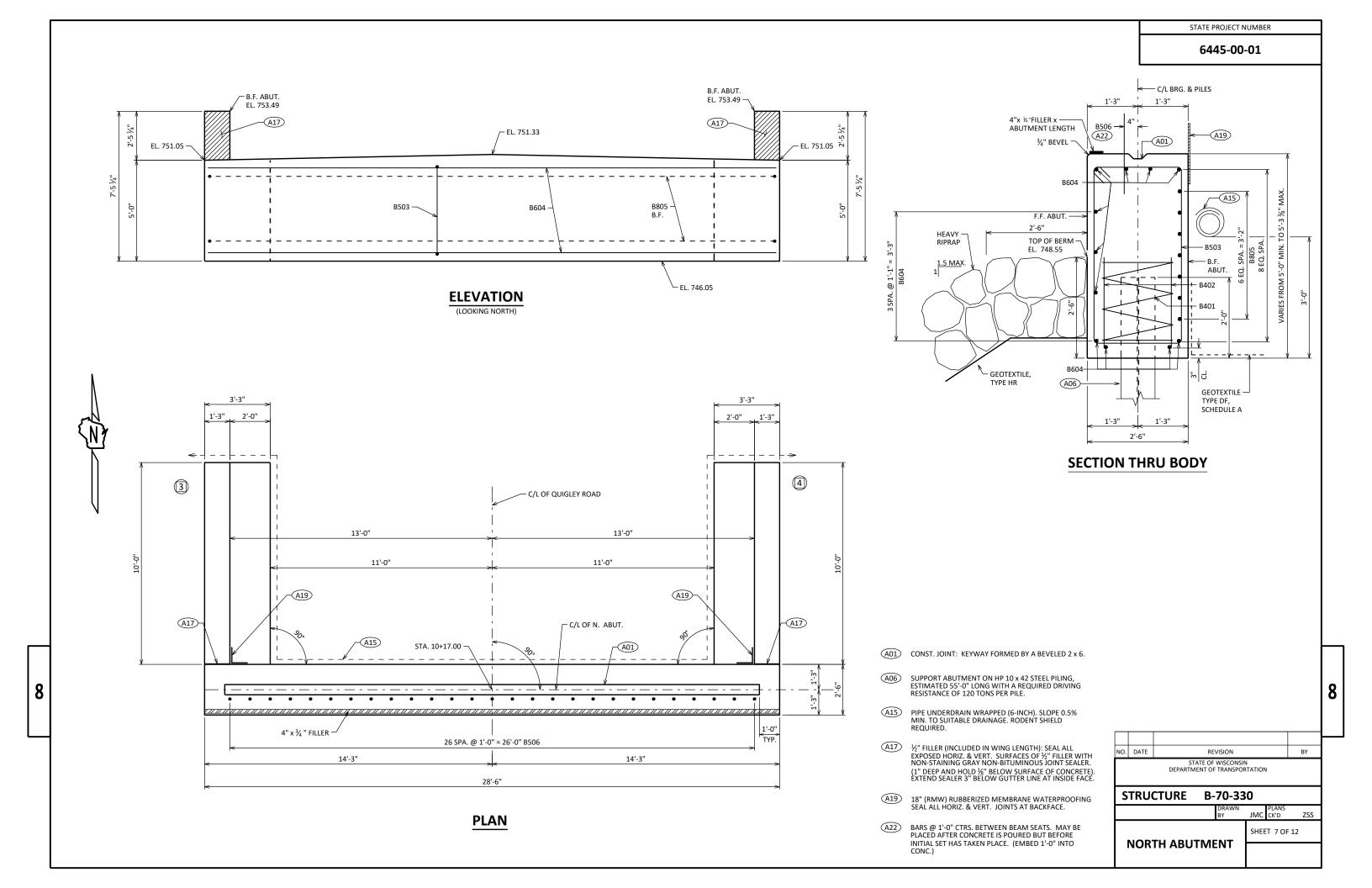


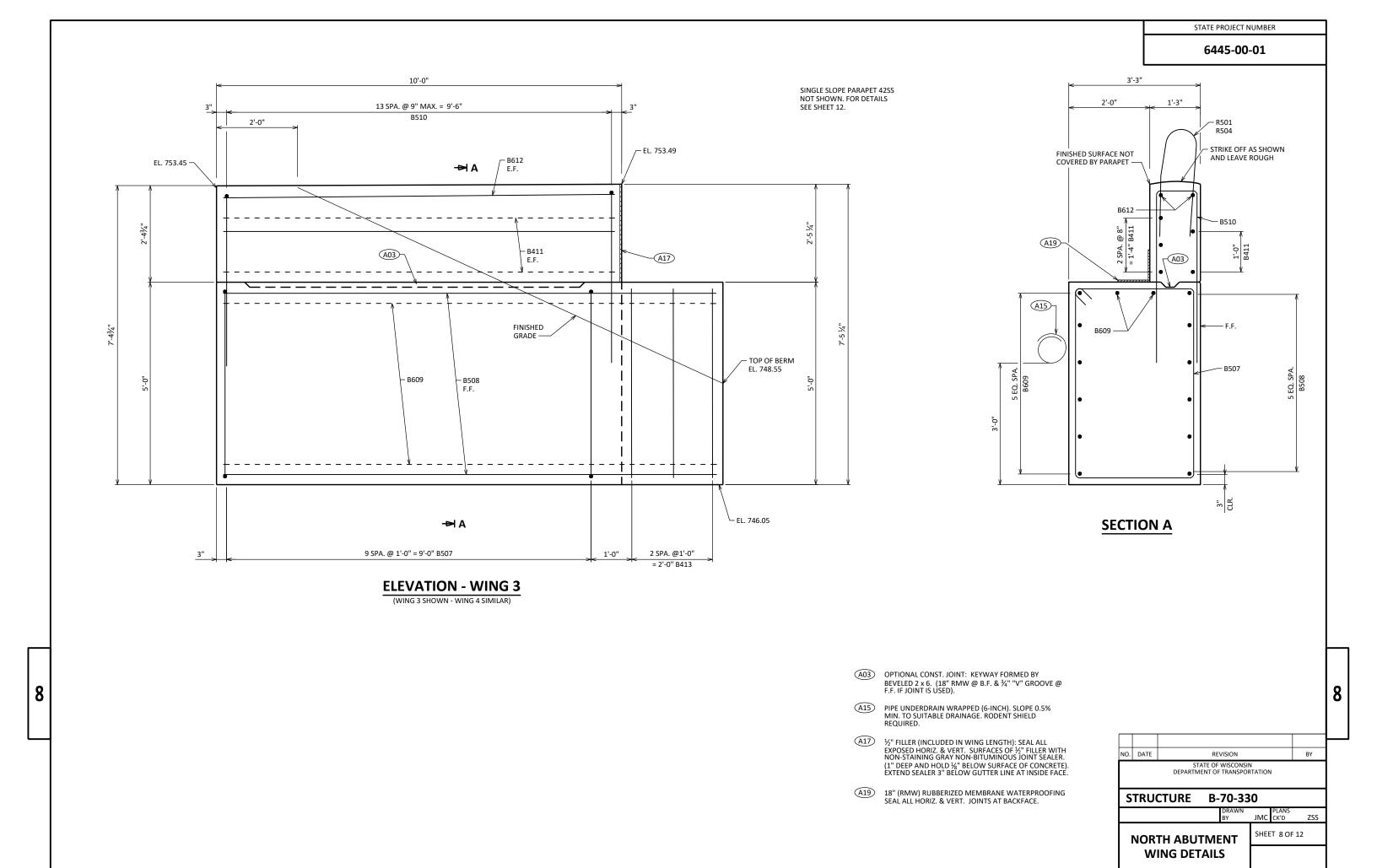


STRUCTURE B-70-330

**SOUTH ABUTMENT** PILE LAYOUT AND **BILL OF BARS** 

SHEET 6 OF 12



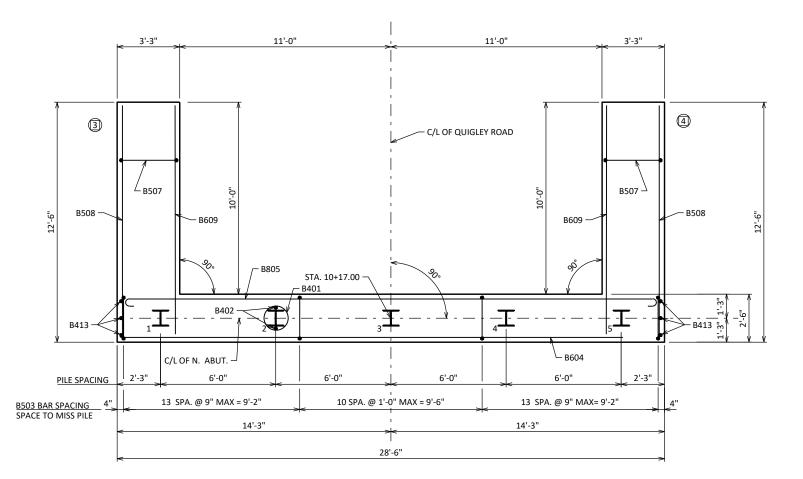


6445-00-01

### **BILL OF BARS**

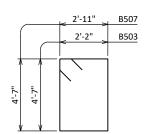
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION			
B401		5	28'-0"	Х		BODY @ PILES			
B402		10	2'-3"			BODY @ PILES			
B503		37	14'-2"	Х		BODY VERT.			
B604		11	28'-2"			BODY HORIZ.			
B805		7	29'-10"	Х		BODY HORIZ. B.F.			
B506		27	2'-0"			BODY DOWELS			
B507	Х	20	15'-8"	Х		WINGS 3 & 4 VERT.			
B508	Х	12	12'-2"			WINGS 3 & 4 HORIZ. F.F.			
B609	Х	16	11'-11"			WINGS 3 & 4 HORIZ. B.F. & TOP			
B510	Х	28	9'-2"	Х		WINGS 3 & 4 VERT.			
B411	Х	10	9'-7"			WINGS 3 & 4 HORIZ. E.F.			
B612	Х	4	9'-7"			WINGS 3 & 4 E.F. TOP			
B413	Х	6	4'-7"			BODY VERT. END @ WINGS 3 & 4			

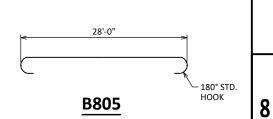


### **PILE LAYOUT**





B503, B507





NO. DATE STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-70-330

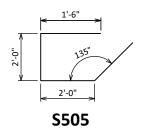
SHEET 9 OF 12

**NORTH ABUTMENT** PILE LAYOUT AND **BILL OF BARS** 

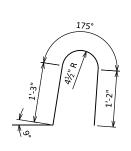
6445-00-01

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

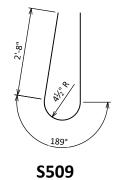
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	
S1001	Х	57	30'-8"			SLAB LONG. BOT.
S502	Х	55	28'-2"			SLAB TRANS. BOT.
S503	Χ	37	28'-2"			SLAB TRANS. TOP
S404	Х	29	36'-2"			SLAB LONG. TOP
S505	Х	58	7'-5"	Х		SLAB @ ABUT. DIAPHRAGM STIRRUPS
S506	Х	4	28'-2"			SLAB @ ABUT. DIAPHRAFM TRANS.
S507	Х	72	5'-0"			SLAB @ EDGE TRANS. TOP @ EDGES
S508	Х	110	4'-5"	Х		SLAB @ PARAPET VERT.
S509	Х	110	6'-8"	Х		PARAPET VERT.
S510	Х	16	36'-2"			PARAPET HORIZ.



**BILL OF BARS** 



**S508** 



### **NOTES**

1'-5%"

3"

 $\frac{3}{4}$ " V-GROOVE REQ'D. EXTEND TO 6" FROM F.F. OF ABUT. BODY.

V-GROOVES ARE REQUIRED.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT 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 TOLERANCE NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

### **TYPICAL SECTION THRU BRIDGE**

56 SPA. @ 6" MAX = 28'-0" S1001

2.0%

28'-103/4"

28 SPA. @ 1'-0" = 28'-0" S404

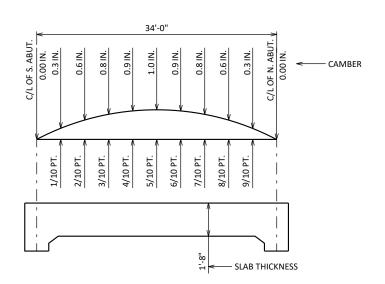
- C/L OF QUIGLEY ROAD

<sup>1</sup> S503

2.0%

13'-0"

S507 @ 1'-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.

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

TOP OF SLAB ELEVATION AT FINAL GRADE

.ESS SLAB THICKNE

PLUS CAMBER

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

LS TOP OF SLAB FALSEWORK ELEVATION

### **TOP OF SLAB ELEVATIONS**

LOCATION	C/L S. ABUT	⅓ <sub>10</sub> PT.	²∕₁₀ PT.	³∕ <sub>10</sub> PT.	⁴∕ <sub>10</sub> PT.	5∕ <sub>10</sub> PT.	%₀ PT.	⅓ <sub>0</sub> PT.	8∕ <sub>10</sub> PT.	%₀ PT.	C/L N. ABUT.
W. EDGE OF SLAB	753.42	753.44	753.46	753.47	753.48	753.49	753.50	753.50	753.50	753.50	753.49
W. FLOW LINE	753.42	753.44	753.46	753.47	753.48	753.49	753.50	753.50	753.50	753.50	753.49
C/L OF QUIGLEY ROAD	753.68	753.70	753.72	753.73	753.74	753.75	753.76	753.76	753.76	753.76	753.75
E. FLOW LINE	753.42	753.44	753.46	753.47	753.48	753.49	753.50	753.50	753.50	753.50	753.49
E. EDGE OF SLAB	753.42	753.44	753.46	753.47	753.48	753.49	753.50	753.50	753.50	753.50	753.49

### **SURVEY TOP OF SLAB ELEVATIONS**

	S. ABUTMENT	<u>5/10 PT.</u>	N. ABUTMENT
W. EDGE OF SLAB			
C/L OF QUIGLEY ROAD			
E. EDGE OF SLAB			

PRIOR TO RELEASING SLAB FORMWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG EDGE OF SLAB AND C/L.. RECORD ELEVATIONS IN THE TABLE ABOVE FOR THE "AS BUILT" PLANS.

Ю.	DATE	RE'	VISION			BY		
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
STRUCTURE B-70-330								
			DRAWN BY		PLANS CK'D	ZSS		
	CLID	FRETRUCTU	SHEE	Т 10 С	F 12			
	SUP	ERSTRUCTU						

8

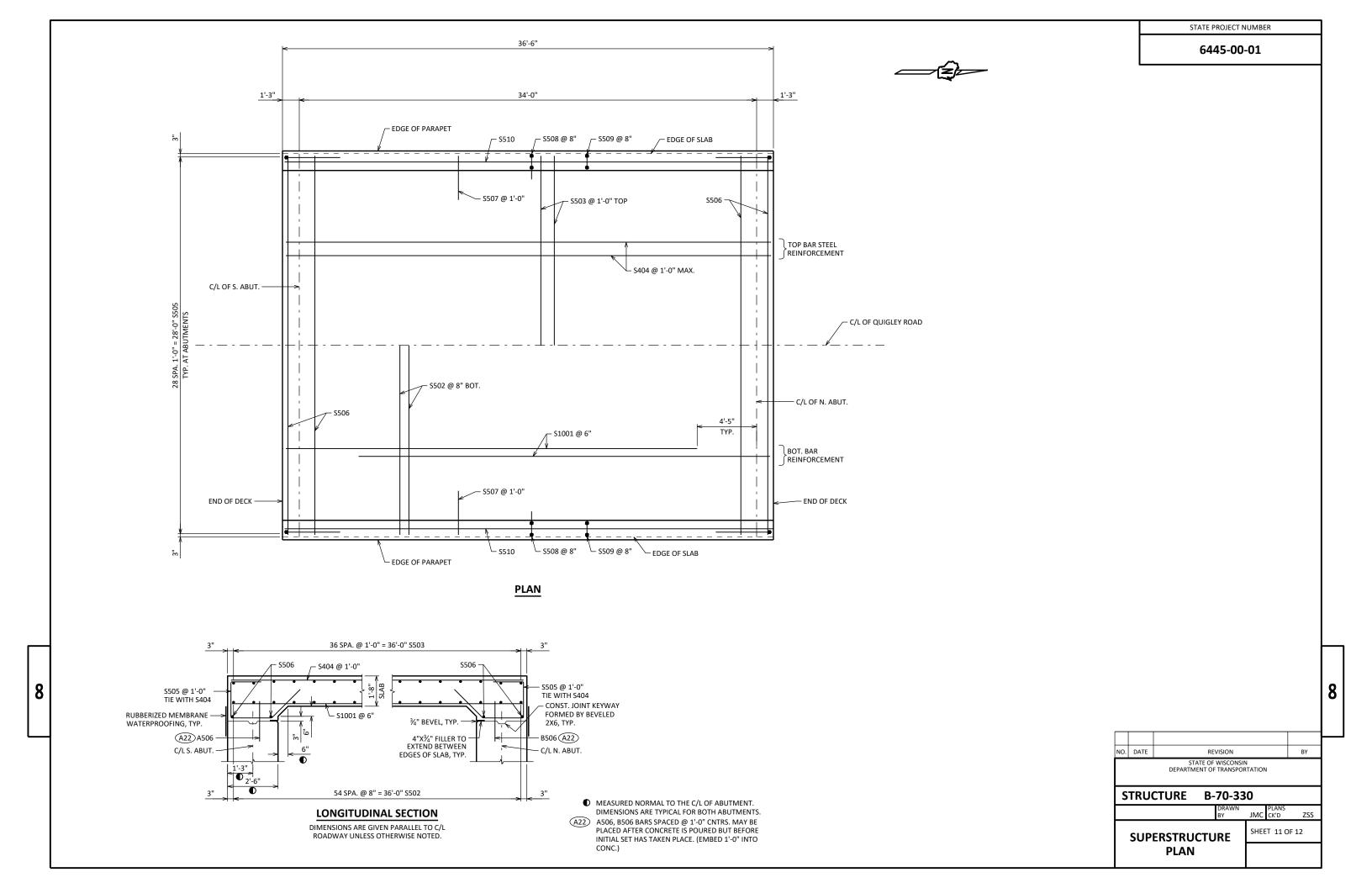
1'-5¾"

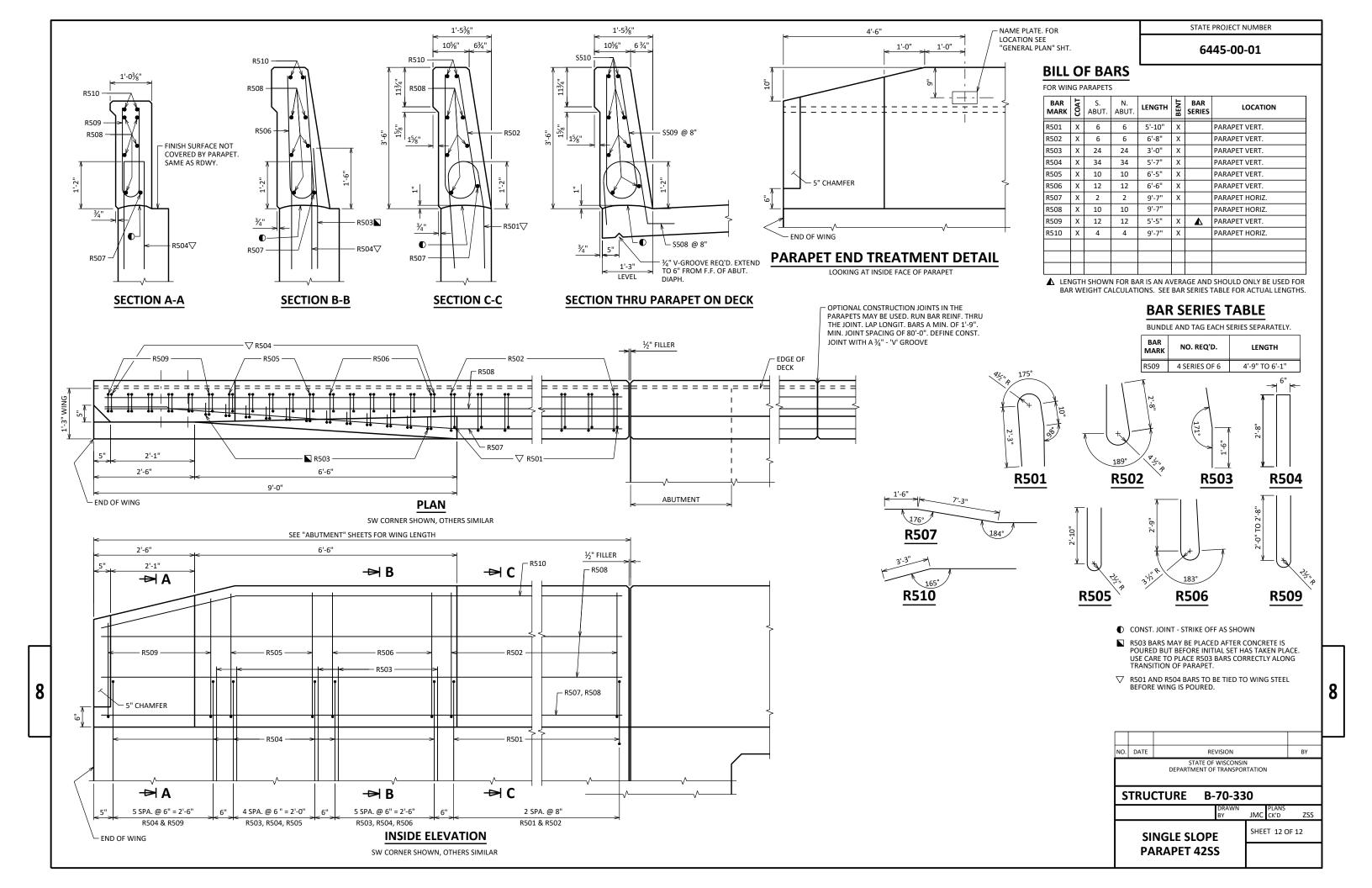
TYP.

SINGLE SLOPE PARAPET 42SS

− 1'-8" SLAB

SEE SHEET 12 FOR DETAILS





DIVISION 1 - LCL-POYGANRD

DIVISION 1 - LCL-	1 0 1 0 / 11 / 11 / 12	AREA (SF)		INCRE	MENTAL VOL (CY) (UNADJ	USTED)	CUMULATIVE VOL (CY)			
STATION	сит	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	СИТ	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL	MASS ORDINATE	
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8	
9+31.75	28.40	6.67	0.00	0	0	0	0	0	0	
9+50.00	33.32	6.67	17.22	21	5	6	21	8	8	
9+71.75	31.90	6.67	31.72	26	5	20	47	34	3	
9+80.00	31.90	6.67	31.72	10	2	10	57	47	-2	
B-70-0330										
10+20.00	36.43	6.67	35.26	51	10	50	108	112	-26	
10+28.25	36.43	6.67	35.26	11	2	11	119	126	-31	
10+50.00	36.48	6.67	8.61	29	5	18	148	150	-31	
10+68.25	27.44	6.67	0.00	22	5	3	170	153	-17	

NOTES:

1 - CUT CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL THIS DOES NOT SHOW UP IN CROSS SECTIONS

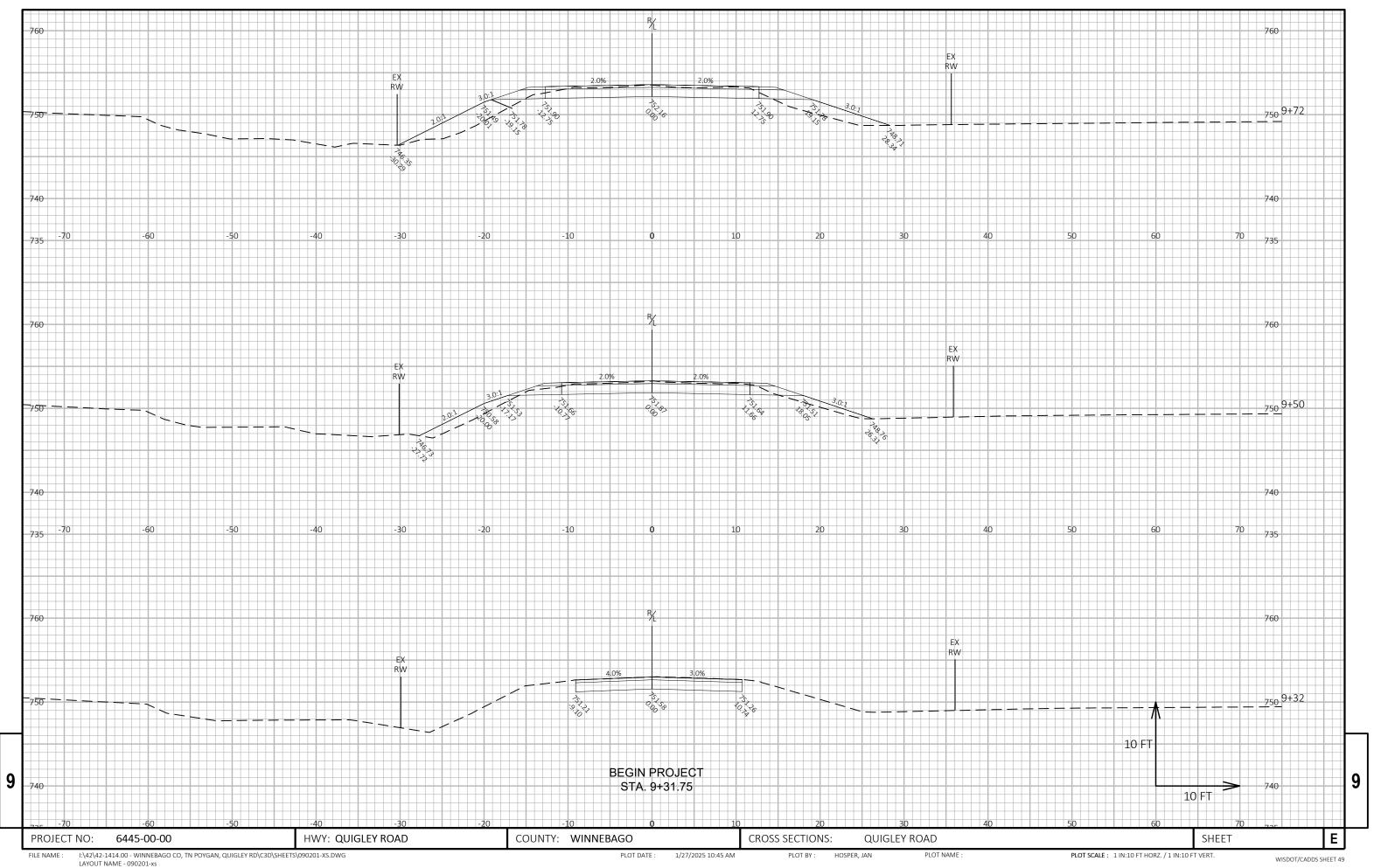
3 - FILL DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

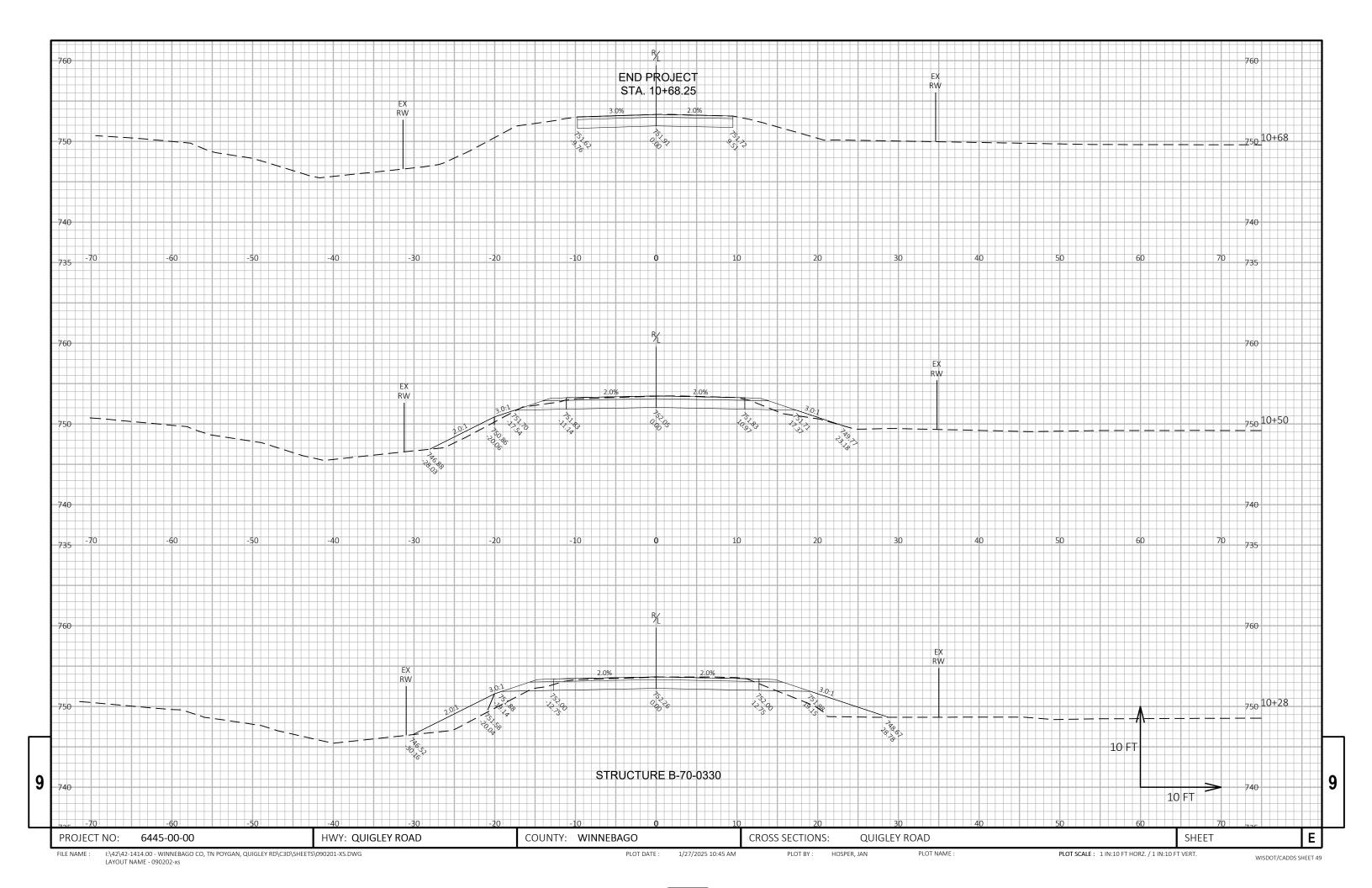
8 - MASS ORDINATE CUT - UNUSABLE PAVEMENT MATERIAL - (FILL \* FILL FACTOR)

9

9

PROJECT NUMBER: 6445-00-01 HWY: QUIGLEY ROAD COUNTY: WINNEBAGO COMPUTER EARTHWORK DATA SHEET:





Notes



### Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov