RHI

PROJECT ID: 6672-01-70

WITH: N/A

COUNTY: MARATHON

DECEMBER 2026

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
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.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 50



51

DESIGN DESIGNATION 6672-01-00

A.A.D.T.	2027	=	20
A.A.D.T.	2047	=	20
D.H.V.		=	N/A
D.D.		=	50/50
T.		=	10.0%
DESIGN SPEED		=	35 MPH
ESALS		=	0

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

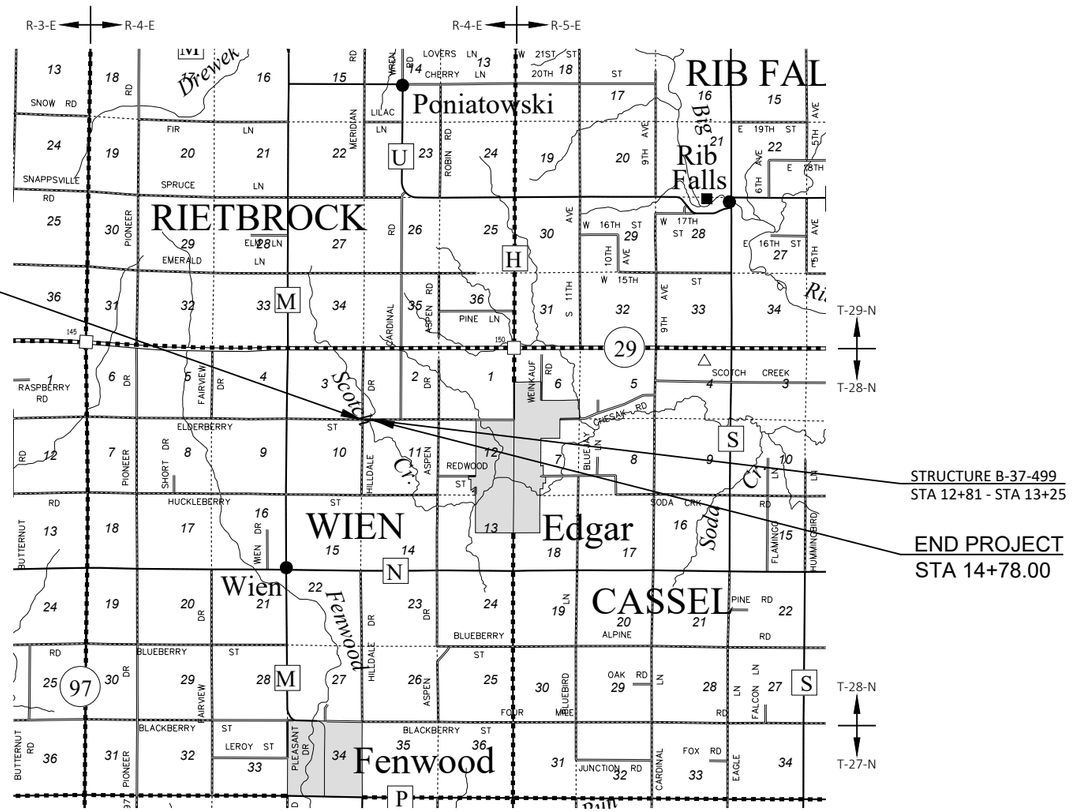
PLAN OF PROPOSED IMPROVEMENT

T WIEN, CHESAK ROAD

SCOTCH CREEK BRIDGE, B-37-0499

LOC STR
MARATHON COUNTY

STATE PROJECT NUMBER
6672-01-70



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.045 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MARATHON 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 18-WI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6672-01-70	WISC 2027037	1

ACCEPTED FOR
MARATHON COUNTY

Date 7/20/2026 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

CORRE ENGINEERING

MADISON | EAU CLAIRE | WAUKESHA | APPLETON | TOMAH | WAUSAU

WISCONSIN
ERIC T. PRICE
E-39027
MADISON
WI
PROFESSIONAL ENGINEER

July 17, 2026

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CORRE, INC.
Designer	CORRE, INC.
Project Manager	MICHAEL GRAGE, P.E.
Regional Examiner	NC REGION
Regional Supervisor	DAN ERVA, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/20/2026 (Signature)

E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2 NC REGION\6672-01-00_CHESAK RD_MARATHON CO\500_CADD\501_C3D_2024\66720100\SHEETS\010101-TI.DWG PLOT DATE : 6/9/2026 6:57 AM PLOT BY : SAM SWITTEL PLOT NAME :

UTILITIES CONTACTS

FRONTIER COMMUNICATIONS
COMMUNICATION
JEREMY ZEHM
154 E 2ND STREET
NEW RICHMOND, WI 54017
PHONE: 715-243-9423
EMAIL: JEREMY.ZEHM@FTR.COM

SPECTRUM
COMMUNICATION
SCOTT GOHDES
853 MCINTOSH STREET
WAUSAU, WI 54403
PHONE: 715-519-0065
EMAIL: SCOTT.GOHDES@SPECTRUM.COM

WISCONSIN PUBLIC SERVICE
ELECTRIC
JESSE PATTEN
P.O. BOX 1166
WAUSAU, WI 54402-1166
PHONE: 715-848-7405
EMAIL: JESSE.PATTEN@WISCONSINPUBLICSERVICE.COM

WISCONSIN PUBLIC SERVICE
GAS
MICHAEL BOSI
1700 SHERMAN STREET
WAUSAU, WI 54401
PHONE: 715-848-7471
EMAIL: MICHAEL.BOSI@WISCONSINPUBLICSERVICE.COM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
TYPICAL SECTIONS
EROSION CONTROL

WISDOT PROJECT MANAGER

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

DESIGN CONSULTANT

CORRE INC.
ERIC PRICE, P.E.
6510 GRAND TETON PLAZA, SUITE 314
MADISON, WI 53719
PHONE: (608) 826-6146
EMAIL: EPRICE@CORREINC.COM

COUNTY HIGHWAY COMMISSIONER

KEVIN LANG, P.E.
MARATHON COUNTY
1430 WEST STREET
WAUSAU, WI 54401
PHONE: (715) 261-1809
EMAIL: KEVIN.LANG@MARATHONCOUNTY.GOV

WISCONSIN DNR LIAISON

JAY SCHIEFELBEIN
NORTH CENTRAL REGION
2984 SHAWANO AVE.
GREEN BAY, WI 54313
PHONE: (920) 360-3784
EMAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

GENERAL NOTES

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

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

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

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

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

TACK COAT CALCULATIONS ARE BASED ON AN APPLICATION OF 0.07 GAL/SY.

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

DO NOT APPLY FERTILIZER TO SATURATED SOILS, WETLANDS, SURFACE WATERS, FROZEN GROUND, OR IMPERVIOUS SURFACES. DO NOT APPLY FERTILIZER WITHIN 20 FEET OF A WATERBODY OR WETLAND. DO NOT APPLY FERTILIZER WHEN A RUNOFF EVENT IS EXPECTED WITHIN 24 HOURS.

D.O.T. BENCHMARK MONUMENT TO BE FURNISHED BY THE STATE AND PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

2

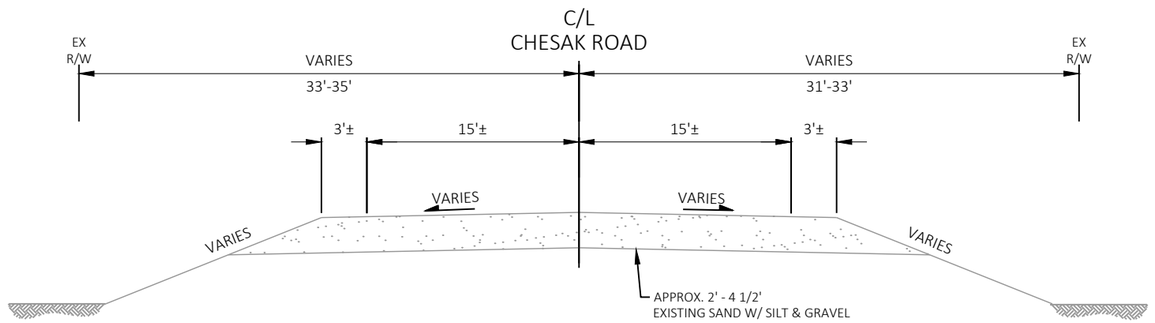
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIPTURF:	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPETURF:			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT:	.70 - .95											
CONCRETE:	.80 - .95											
BRICK:	.70 - .80											
DRIVES, WALKS:	.75 - .85											
ROOFS:	.75 - .95											
GRAVEL ROADS, SHOULDERS:	.40 - .60											

TOTAL PROJECT AREA = 0.354 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.086 ACRES

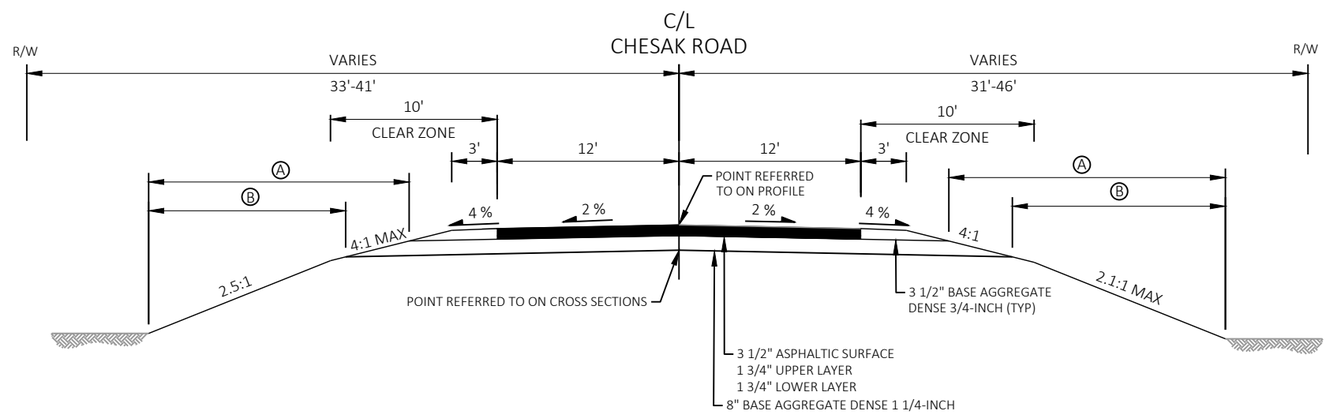
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2



EXISTING TYPICAL SECTION

STA 12+38.00 - 14+78.00



LEGEND

Ⓐ FERTILIZER TYPE A, SEEDING MIXTURE NO. 20 & SEEDING TEMPORARY

Ⓑ SALVAGED TOPSOIL & EROSION MAT URBAN CLASS I TYPE B

FINISHED TYPICAL SECTION

STA 12+38.00 - 12+80.73

STA 13+25.27 - 14+78.00

PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	TYPICAL SECTIONS	SHEET 3	E

2

WETLAND BOUNDARY, TYP.

P/L

EDGE OF OBSERVED WATER, TYP.

N

STRUCTURE P-37-957 TO BE REMOVED

ASPHALTIC FLUME, TYP.

COFFERDAM, TYP.

PROP R/W

EXISTING R/W

SLOPE INTERCEPT TYP.

P.I. 14+26.00

12+00

13+00

N89°48'39"E

240.00'

14+00

15+00

CHESAK ROAD

EXISTING R/W

CLEARING & GRUBBING

PROP R/W

SILT FENCE, TYP.

TURBIDITY BARRIER, TYP.

P/L

PROPOSED STRUCTURE B-37-499

GAPS AT JOINTS BETWEEN SILT FENCE AND TURBIDITY BARRIER WILL NOT BE PERMITTED, TYP.

GEOTEXTILE FABRIC TYPE HR AND RIPRAP HEAVY AT ASPHALTIC FLUMES, TYP.

CLEARING & GRUBBING

SCOTCH CREEK

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- TURBIDITY BARRIER
- SURFACE WATER FLOW
- RIPRAP HEAVY
- COFFERDAM

2 YEAR FREQUENCY

FLOW = 310 C.F.S.
HW = 1313.6±
VEL. = 4.5 F.P.S.

PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	EROSION CONTROL	SHEET 4	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2 NC REGION\6672-01-00_CHESAK RD_MARATHON CO\500_CADD\501_C3D_2024\66720100\SHEETS\022001-EC.DWG
LAYOUT NAME - 01
PLOT DATE : 7/22/2026 6:57 AM
PLOT BY : SAM SWITTEL
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

Estimate Of Quantities

6672-01-70

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	3.000	3.000
0004	201.0205	Grubbing	STA	3.000	3.000
0006	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 01. P-37-957	EACH	1.000	1.000
0008	205.0100	Excavation Common	CY	143.000	143.000
0010	206.1001	Excavation for Structures Bridges (structure) 01. B-37-499	EACH	1.000	1.000
0012	206.5001	Cofferdams (structure) 01. B-37-499	EACH	1.000	1.000
0014	208.0100	Borrow	CY	130.000	130.000
0016	210.1500	Backfill Structure Type A	TON	870.000	870.000
0018	213.0100	Finishing Roadway (project) 01. 6672-01-70	EACH	1.000	1.000
0020	305.0110	Base Aggregate Dense 3/4-Inch	TON	40.000	40.000
0022	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	340.000	340.000
0024	455.0605	Tack Coat	GAL	40.000	40.000
0026	465.0105	Asphaltic Surface	TON	105.000	105.000
0028	465.0315	Asphaltic Flumes	SY	22.000	22.000
0030	502.0100	Concrete Masonry Bridges	CY	230.000	230.000
0032	502.3200	Protective Surface Treatment	SY	207.000	207.000
0034	502.3210	Pigmented Surface Sealer	SY	44.000	44.000
0036	505.0400	Bar Steel Reinforcement HS Structures	LB	4,820.000	4,820.000
0038	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	25,520.000	25,520.000
0040	516.0500	Rubberized Membrane Waterproofing	SY	14.000	14.000
0042	550.0020	Pre-Boring Rock or Consolidated Materials	LF	217.000	217.000
0044	550.1100	Piling Steel HP 10-Inch x 42 Lb	LF	295.000	295.000
0046	606.0300	Riprap Heavy	CY	180.000	180.000
0048	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	230.000	230.000
0050	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6672-01-70	EACH	1.000	1.000
0052	619.1000	Mobilization	EACH	1.000	1.000
0054	624.0100	Water	MGAL	8.000	8.000
0056	625.0500	Salvaged Topsoil	SY	505.000	505.000
0058	628.1504	Silt Fence	LF	630.000	630.000
0060	628.1520	Silt Fence Maintenance	LF	630.000	630.000
0062	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0066	628.2008	Erosion Mat Urban Class I Type B	SY	635.000	635.000
0068	628.6005	Turbidity Barriers	SY	115.000	115.000
0070	629.0205	Fertilizer Type A	CWT	0.700	0.700
0072	630.0120	Seeding Mixture No. 20	LB	45.000	45.000
0074	630.0200	Seeding Temporary	LB	25.000	25.000
0076	630.0500	Seed Water	MGAL	20.000	20.000
0078	633.5100	Markers ROW	EACH	8.000	8.000
0080	634.0614	Posts Wood 4x6-Inch x 14-FT	EACH	4.000	4.000
0082	637.2230	Signs Type II Reflective F	SF	12.000	12.000
0084	638.2602	Removing Signs Type II	EACH	6.000	6.000
0086	638.3000	Removing Small Sign Supports	EACH	6.000	6.000
0088	642.5001	Field Office Type B	EACH	1.000	1.000
0090	643.0420	Traffic Control Barricades Type III	DAY	1,224.000	1,224.000
0092	643.0705	Traffic Control Warning Lights Type A	DAY	1,904.000	1,904.000
0094	643.0900	Traffic Control Signs	DAY	952.000	952.000
0096	643.5000	Traffic Control	EACH	1.000	1.000
0098	645.0111	Geotextile Type DF Schedule A	SY	126.000	126.000

Estimate Of Quantities

6672-01-70

Line	Item	Item Description	Unit	Total	Qty
0100	645.0120	Geotextile Type HR	SY	305.000	305.000
0102	650.4500	Construction Staking Subgrade	LF	188.000	188.000
0104	650.5000	Construction Staking Base	LF	188.000	188.000
0106	650.6501	Construction Staking Structure Layout (structure) 01. B-37-499	EACH	1.000	1.000
0108	650.9911	Construction Staking Supplemental Control (project) 01. 6672-01-70	EACH	1.000	1.000
0110	650.9920	Construction Staking Slope Stakes	LF	188.000	188.000
0112	715.0502	Incentive Strength Concrete Structures	DOL	1,380.000	1,380.000
0114	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 13+03	EACH	1.000	1.000
0116	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	300.000	300.000
0118	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000

CLEARING & GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	12+48	-	12+76	SW QUADRANT	1	1
0010	13+16	-	14+70	SE QUADRANT	2	2
				TOTAL 0010	3	3

BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL
0010	12+38	-	12+81	WEST APPROACH	10	75	2
0010	13+25	-	14+78	EAST APPROACH	30	265	6
				TOTAL 0010	40	340	8

EARTHWORK

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (CY) (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	208.0100 BORROW (CY)	COMMENT
WEST APPROACH	12+38/12+76	CHESAK ROAD	28	0	28	45	56	-28	28	
EAST APPROACH	13+30/14+78	CHESAK ROAD	115	0	115	173	216	-102	102	
		TOTAL 0010	143	0	143	218	273	-130	130	

NOTES:
(1) COMMON EXCAVATION IS EQUAL TO THE CUT COLUMN. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25

$$\text{EXPANDED FILL} = \text{UNEXPANDED FILL} * \text{FILL FACTOR}$$

(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.

ASPHALT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	465.0315 ASPHALTIC FLUMES SY
0010	12+38	-	12+81	WEST APPROACH	10	25	11
0010	13+25	-	14+78	EAST APPROACH	30	80	11
				TOTAL 0010	40	105	22

RIGHT OF WAY

CATEGORY	STATION	TO	STATION	LOCATION	633.5100 MARKERS ROW EACH
0010	12+70	-	13+75	LT	4
0010	12+38	-	13+85	RT	4
				TOTAL 0010	8

LANDSCAPING & EROSION CONTROL

CATEGORY	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.6005 TURBIDITY BARRIERS SY	629.0205 FERTILIZER TYPE A CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	ENTIRE PROJECT	505	500	500	505	65	0.5	35	20	16
0010	UNDISTRIBUTED	-	130	130	130	50	0.2	10	5	4
	TOTAL 0010	505	630	630	635	115	0.7	45	25	20

SIGNING

CATEGORY	LOCATION	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	NW QUADRANT	1	3.0	1	1	PROPOSED BRIDGE MARKER SIGNS, W5-52L & W5-52R. INSTALL ACCORDING TO S.D.D. "SIGNING AND MARKING FOR TWO LANE BRIDGES".
0010	SW QUADRANT	1	3.0	2	2	
0010	NE QUADRANT	1	3.0	2	2	
0010	SE QUADRANT	1	3.0	1	1	
	TOTAL 0010	4	12	6	6	

TRAFFIC CONTROL

CATEGORY	LOCATION	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY
0010	ENTIRE PROJECT	1,224	1,904	952
	TOTAL 0010	1,224	1,904	952

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	12+38	-	14+78	MAINLINE	188	188	188
				TOTAL 0010	188	188	188

BIRD DETERRENT SYSTEM

CATEGORY	LOCATION	999.2000.S.01 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. 13+03) EACH
0010	ENTIRE PROJECT	1
	TOTAL 0010	1

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
EXISTING CENTERLINE
CORPORATE LIMITS
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
BUILDING (B) TO BE REMOVED (B)
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
NON-PERMITTED SIGN (SIGN)
PERMITTED SIGN (25:1 SIGN)
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
PARALLEL OFFSETS

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND SURVEY MONUMENT (SEE FOUND MONUMENT TABLE) IP

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	PROPERTY LINE	PL
ACRES	AC	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
CORNER	COR	SEPTIC VENT	SEPV
DOCUMENT NUMBER	DOC	SQUARE FEET	SF
EASEMENT	EASE	STATE TRUNK HIGHWAY	STH
EXISTING	EX	STATION	STA
GAS VALVE	GV	TELEPHONE PEDESTAL	TP
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
INTERSTATE HIGHWAY	IH	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		
POINT OF INTERSECTION	PI		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
DELTA ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

NOTES:

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

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

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

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

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

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

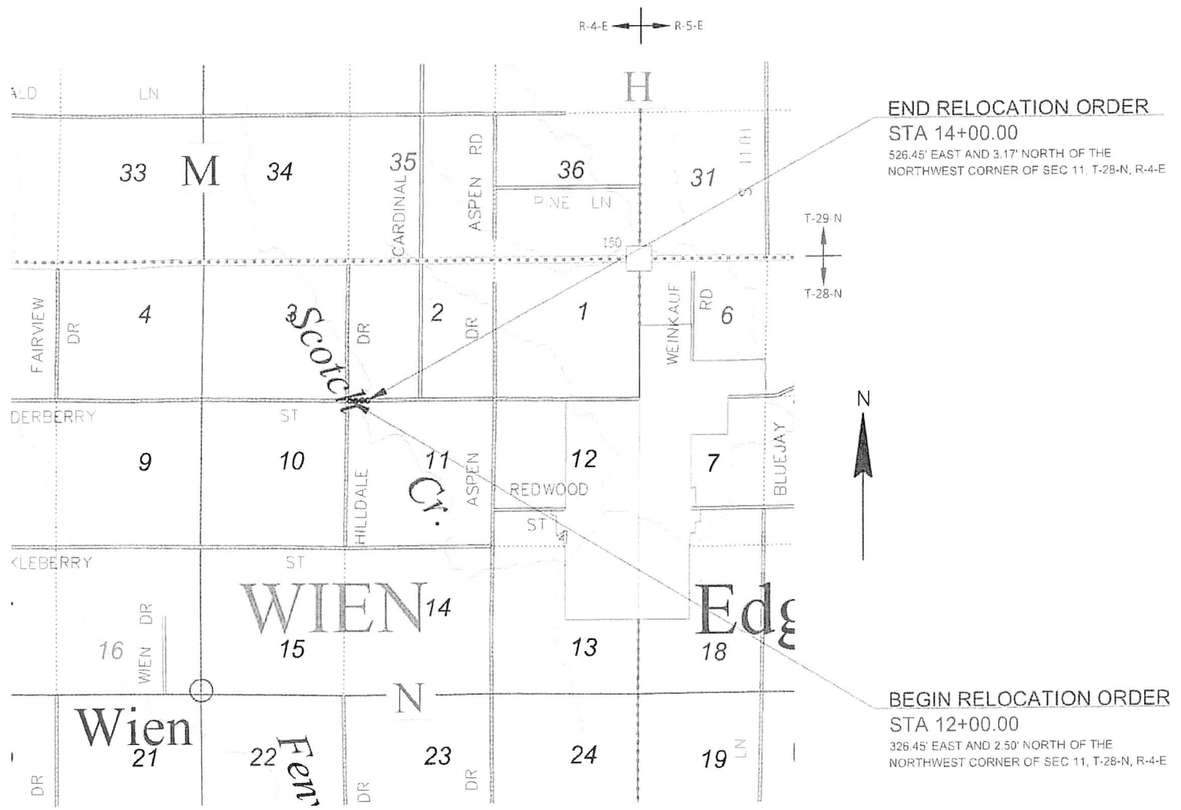
R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6672-01-00	4.01	2
FEDERAL PROJECT NUMBER: N/A		

PLAT OF RIGHT OF WAY REQUIRED FOR

T WIEN, CHESAK ROAD
SCOTCH CREEK BRIDGE, P-37-0957

LOCAL STREET	MARATHON COUNTY

CONSTRUCTION PROJECT NUMBER
6672-01-70



LAYOUT
SCALE 0 1

TOTAL NET LENGTH OF CENTERLINE = 0.038 MI

CORRE ENGINEERING
MADISON | EAU CLAIRE | WAUKESHA | APPLETON | TOMAH | WAUSAU

WISCONSIN
BRYON J. MOTSZKO
S-2846
MENOMONIE WI
LAND SURVEYOR

I, BRYON J. MOTSZKO, PROFESSIONAL LAND SURVEYOR, S-2846, HEREBY CERTIFY THAT I HAVE SURVEYED THE LAND DESCRIBED HEREON AND THAT THE MAP HEREON IS A CORRECT REPRESENTATION OF THAT SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE: 3/10/26 (Signature)

REVISION DATE	TOWN OF WEIN
	APPROVED BY MARATHON COUNTY ON BEHALF OF THE TOWNSHIP DATE: 4-29-2024 (Signature)

EXISTING UTILITY EASEMENTS TO BE RELEASED

80 GENERAL TELEPHONE COMPANY OF WISCONSIN
(DBA FRONTIER COMMUNICATIONS)
V 60 / P 348, DOC NO. 601110 - PARCEL'S 1 & 2
V 60 / P 592, DOC NO. 601279 - PARCEL'S 3 & 4

NOTE:
CHESAK ROAD RIGHT-OF-WAY ESTABLISHED FROM DOC. NO. 536081, 536087 AND CENTERED ON THE SECTION LINE AS LOCATED ON CSM NO. 10214, 11312 AND 11314.

GN

TOWN

SW - SW

HILLDALE DRIVE

APPROXIMATE SEC. LINE

EX R/W 33'

PL

B

PROPOSED STRUCTURE
B-37-499

BEGIN RELOCATION ORDER
STA 12+00.00
Y = 191522.265
X = 184543.196

END RELOCATION ORDER
STA 14+00.00
Y = 191522.925
X = 184743.195

LOT 1
CSM NO. 10214
V 42 / P 37
DOC. NO. 1136611

33' EASEMENT
GENERAL TELEPHONE
COMPANY OF WISCONSIN
(DOC. NO. 601110)

OF

SLOPE INTERCEPT

FEE WATERWAY
62 SF

SLOPE INTERCEPT
Pi: 14+20.00
Y = 191522.991
X = 184763.194

IP 1112

IP 1111

IP 1109

IP 1110

IP 1108

SEC LINE

10+00

11+00

12+00

13+00

14+00

R/L = N89° 11' 35"E

R/L = N89° 48' 39"E

CHESAK ROAD

EX R/W

GUY

SLOPE INTERCEPT

SLOPE INTERCEPT

33' EASEMENT
GENERAL TELEPHONE
COMPANY OF WISCONSIN
(DOC. NO. 601279)

LOT 1
CSM NO. 11312
V 47 / P 174
DOC. NO. 1207361

MEANDER LINE

PL

SCOTCH CREEK

FEE WATERWAY
260 SF

FEE WATERWAY
147 SF

LOT 6
CSM NO. 11314
V 47 / P 176
DOC. NO. 1207363

MEANDER LINE

NW - NW

1000
SURVEY NAIL
Y = 191519.760
X = 184216.745

1001
SURVEY NAIL
Y = 191536.965
X = 186863.836

WEIN

COURSE TABLE		
PNT - PNT	BEARING	DISTANCE
1000 - 100	N89° 37' 39"E	364.46'
100 - 101	S00° 22' 21"E	33.00'
101 - 102	S00° 22' 21"E	13.00'
102 - 103	N89° 37' 39"E	147.00'
103 - 104	N00° 22' 21"W	13.00'
104 - 105	N00° 22' 21"W	32.79'
105 - 106	N00° 22' 21"W	0.21'
106 - 107	S89° 37' 39"W	10.00'
107 - 108	N00° 22' 21"W	33.00'
108 - 109	N00° 22' 21"W	8.00'
109 - 110	S89° 37' 39"W	105.00'
110 - 111	S00° 22' 21"E	8.00'
111 - 112	S00° 22' 21"E	32.84'
112 - 113	S00° 22' 21"E	0.16'
113 - 100	S89° 37' 39"W	32.00'
1000 - 1001	N89° 37' 39"E	2647.15'

UTILTY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
80	GENERAL TELEPHONE OF WISCONSIN	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE TOWNSHIP.

PARCEL NUMBER	OWNER	INTEREST REQ'D	FEE R/W ACRES REQUIRED		
			NEW (SF)	EXISTING (SF)	TOTAL (SF)
1	DANIEL T. & LAURA R. SWITLICK, AS CO-TRUSTEES OF THE DANIEL & LAURA SWITLICK IRREVOCABLE TRUST DATED MARCH 7, 2022	FEE	98	---	98
2	ROYAL HAVEN, LLC.	FEE	742	---	742
3	GENE J. WADZINSKI	FEE	798	---	798
4	ROY C. & INA A. RIEHLE	FEE	1113	---	1113

FOUND SURVEY MONUMENTS			
POINT	Y	X	DESCRIPTION
1108	191488.559	184684.442	1-INCH PIPE
1109	191556.372	184623.549	1-INCH PIPE
1110	191489.185	184565.576	1-INCH PIPE
1111	191554.850	184363.539	1-INCH PIPE
1112	191553.284	184246.679	1-INCH PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

RIGHT-OF-WAY POINTS		
POINT	STATION	OFFSET
100	12+38.00	0.26', RT
101	12+38.11	33.26', RT
102	12+38.15	46.26', RT
103	13+85.15	45.79', RT
104	13+85.10	32.79', RT
105	13+85.00	0.00',
106	13+85.00	0.21', LT

RIGHT-OF-WAY POINTS		
POINT	STATION	OFFSET
107	13+75.00	0.18', LT
108	13+74.89	33.18', LT
109	13+74.87	41.18', LT
110	12+69.87	40.84', LT
111	12+69.90	32.84', LT
112	12+70.00	0.00',
113	12+70.00	0.16', RT

REVISION DATE

DATE 03/10/26

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: CHESAK ROAD

COUNTY: MARATHON

R/W PROJECT NUMBER: 6672-01-00

CONSTRUCTION PROJECT NUMBER: 6672-01-70

PLAT SHEET 4.02

PS&E SHEET E

FILE NAME : 66720100-4.02.DWG
LAYOUT NAME - 040102-rp

PLOT DATE : 4/24/2026 7:45 AM PLOT BY : BRYON MOTSZKO, PE, PLS PLOT NAME :040102-rp PLOT SCALE :1 IN:40 FT

WISDOT/CADDS SHEET 75

CONTROL POINTS & BENCH MARKS						
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTON
902	N/A	N/A	191494.74	184308.69	1329.93	CP FENO
903	12+69.83	19.86' LT	191542.35	184612.96	1322.95	CAPPED REBAR
904	N/A	N/A	191501.83	184988.80	1317.22	CP FENO
905	12+48.91	31.82' LT	--	--	1324.80	BM NAIL PPOL
906	13+05.79	71.80' RT	191450.82	184649.22	1311.69	CP NAIL

WYLIE FRAHM
124620 CHESAK ROAD
EDGAR, WI 54426

DANIEL & LAURA SWITLICK
124682 CHESAK ROAD
EDGAR, WI 54426

ROYAL HAVEN LLC
128187 COUNTY ROAD N
EDGAR, WI 54426

GENE WADZINSKI
1221 SOUTH 50TH AVENUE
WAUSAU, WI 54401

ROY & INA RIEHLE
124925 CHESAK ROAD
EDGAR, WI 54426

BP: 9+89.00
Y=191519.509
X=184332.215

BEGIN PROJECT
STA. 12+38.00
MATCH EXISTING
Y =191522.390
X =184581.195

END PROJECT
STA. 14+78.00
MATCH EXISTING

WISCONSIN PUBLIC SERVICE

EXISTING R/W

PROP R/W

WETLAND BOUNDARY, TYP.

EDGE OF OBSERVED WATER, TYP.

STRUCTURE P-37-957 TO BE REMOVED

ASPHALTIC FLUME REQ'D
STA. 13+43.74
END OF FLUME 25.4' LT

ASPHALTIC FLUME REQ'D
STA. 13+34.09
END OF FLUME 29.4' RT

PROPOSED STRUCTURE B-37-499

FRONTIER COMMUNICATIONS

CHESAK ROAD

ASPH

N89°11'35"E
191.00'

N89°48'39"E
240.00'

S89°53'43"E
193.00'

10+00 11+00 12+00 13+00 14+00 15+00 16+00

PI: 11+80.00

PI: 14+20.00

EP: 16+13.00

12.0'

13.0'

10:1

SPECTRUM
(LOCATION APPROXIMATE)

CLEARING & GRUBBING

SLOPE INTERCEPT TYP.

SCOTCH CREEK

902 903 904 905 906

STA 12+38.00
EL 1324.95

STA 14+78.00
EL 1320.61

VCL = 240.00

K = 58.11

LP STA 14+63.14
LP EL 1320.59

VPC STA 12+38.00
VPC EL 1324.95

VPI STA 13+58.00
VPI EL 1320.30

VPT STA 14+78.00
VPT EL 1320.61

EXISTING GROUND

PROPOSED PROFILE

3.87%

0.26%

HIGH WATER 100
ELEV. 1317.41'

Q2 WATER
ELEV. 1313.61'

OBSERVED WATER
ELEV. 1310.2'
(6/18/2025)

EXISTING PROFILE ELEV.

PROPOSED PROFILE ELEV.

1325 1320 1315 1310 1307

1331.62 1331.39 1330.31 1329.17 1327.75 1326.12 1324.35 1324.50 1307.46 1322.88 1321.83 1321.69 1321.06 1320.93 1320.69 1320.60 1320.58 1320.66 1320.75 1320.77

9 10 11 12 13 14 15 16 16

WEST APPROACH EARTHWORK SUMMARY

EXCAVATION COMMON = 28 CY
FILL = 45 CY
FILL (25% EXPANSION) = 56 CY
BORROW = 28 CY

STA 13+00
REMOVE STRUCTURE P-37-957
SINGLE SPAN STEEL DECK GIRDER BRIDGE
23.1' LONG X 25.7' CLEAR
0° SKEW

STA 13+03
STRUCTURE B-37-499 REQ'D
SINGLE SPAN FLAT SLAB BRIDGE
44.5' LONG X 26.0' CLEAR
10° SKEW (LHF)

EAST APPROACH EARTHWORK SUMMARY

EXCAVATION COMMON = 115 CY
FILL = 173 CY
FILL (25% EXPANSION) = 216 CY
BORROW = 102 CY

PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	PLAN AND PROFILE: CHESAK ROAD	SHEET 11	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2 NC REGION\6672-01-00_CHESAK RD_MARATHON CO\500_CADD\501_C3D_2024\66720100\SHEETS\050101-PP.DWG
LAYOUT NAME - 01

PLOT DATE : 7/22/2026 7:00 AM PLOT BY : SAM SWITTEL PLOT NAME : PLOT SCALE : 1 IN:50 FT

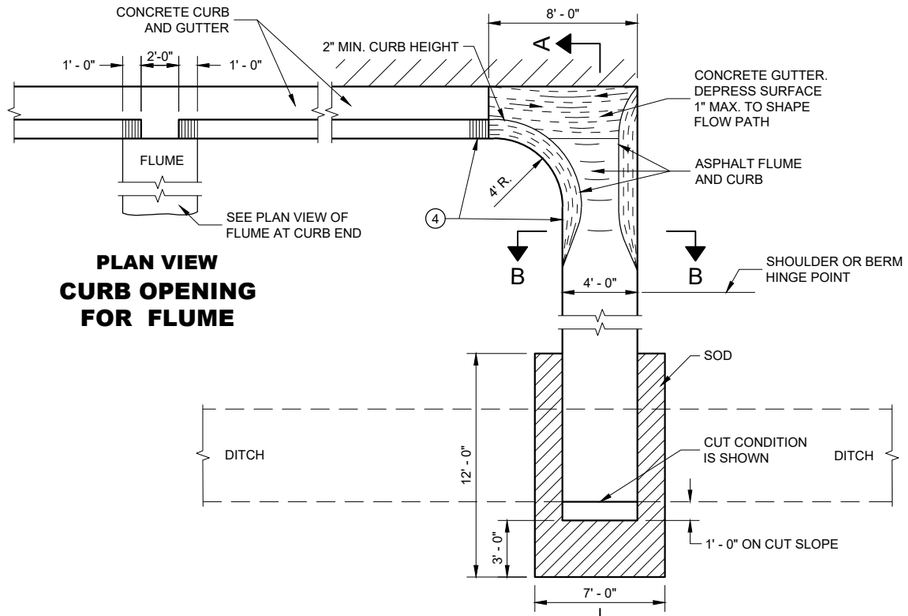
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

08D04-07	CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES
08E09-06	SILT FENCE
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C06-12	SIGNING AND MARKING FOR TWO LANE BRIDGES
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

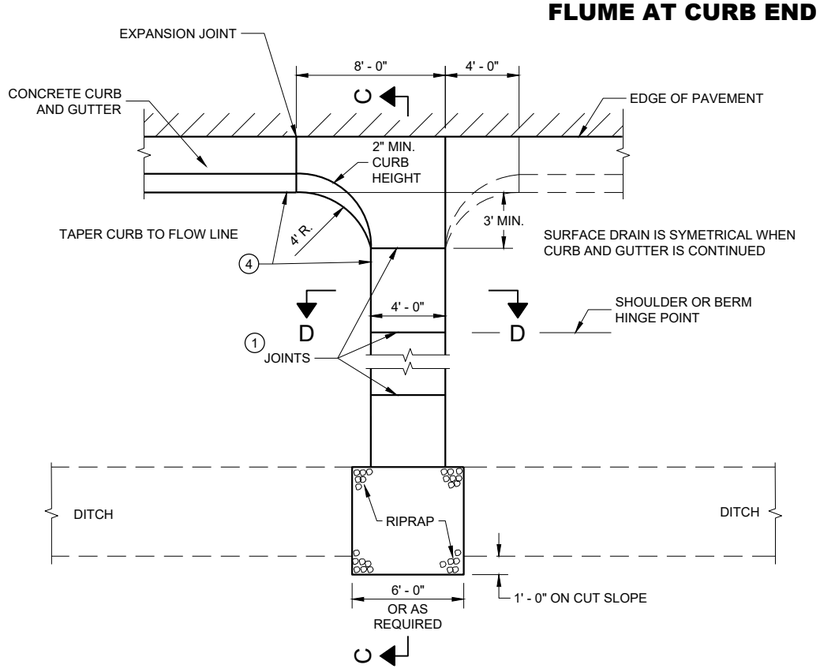
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



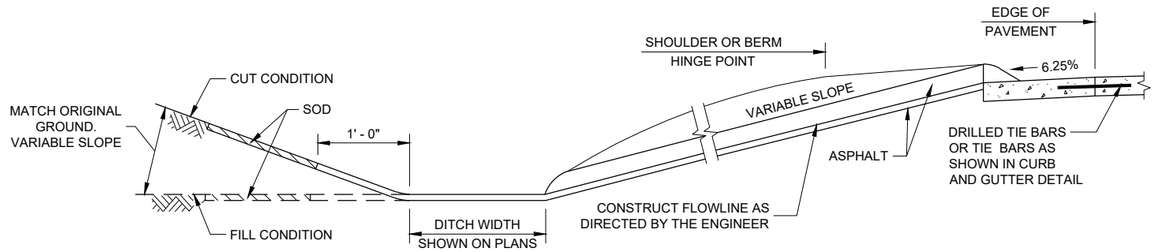
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

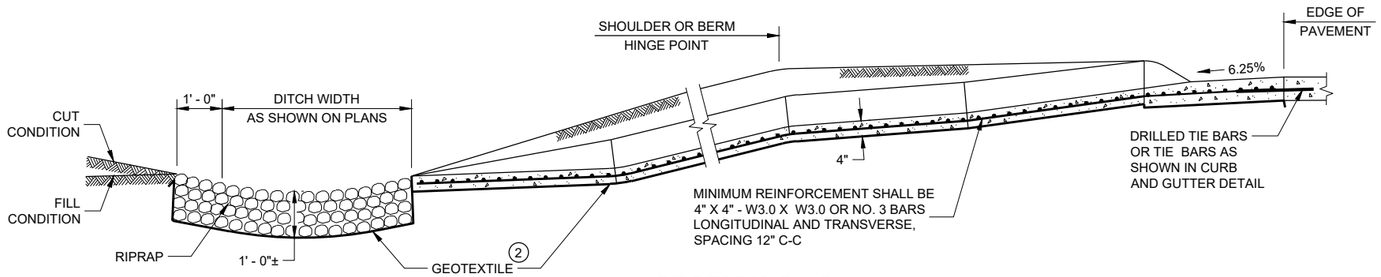
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

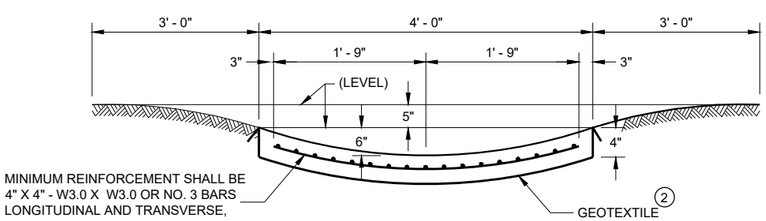


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

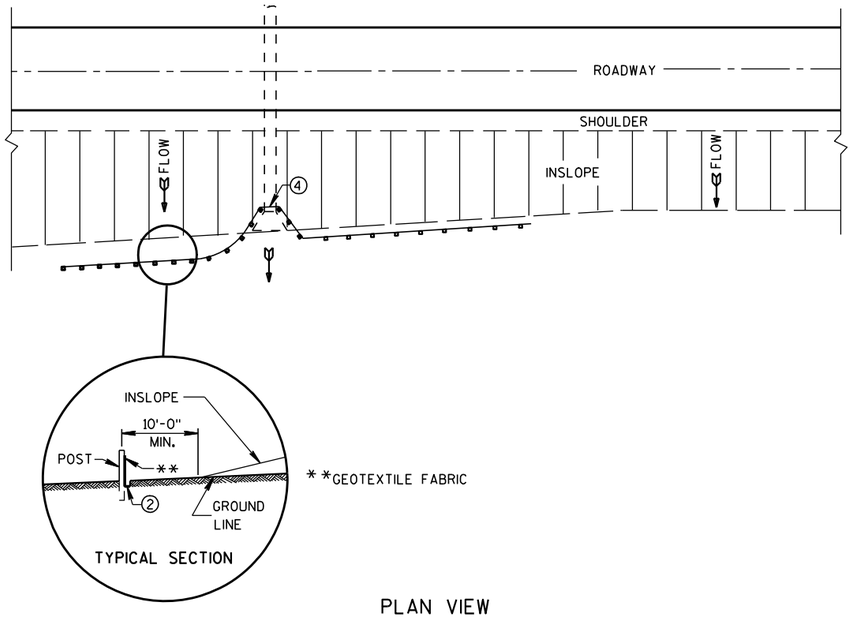
APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

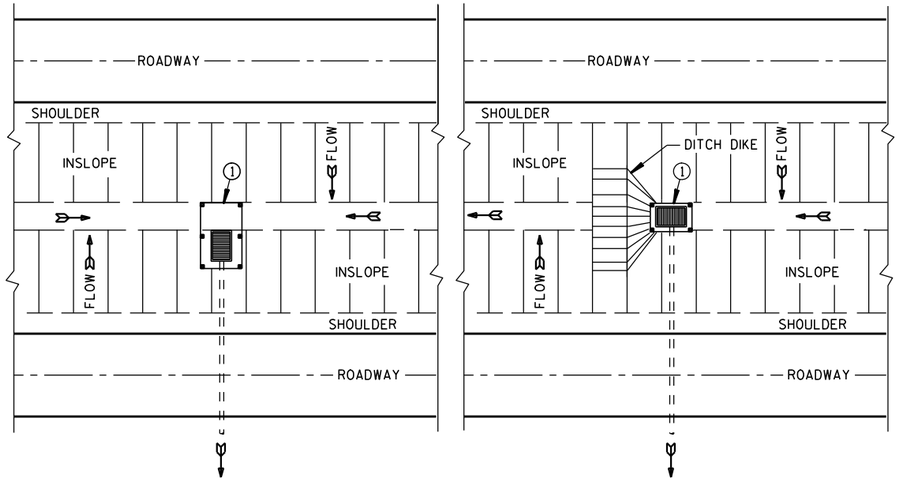
6

SDD 08D04 - 07



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



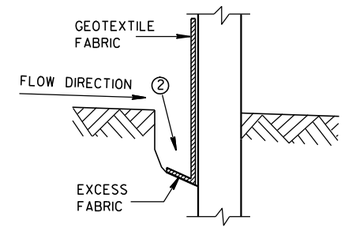
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

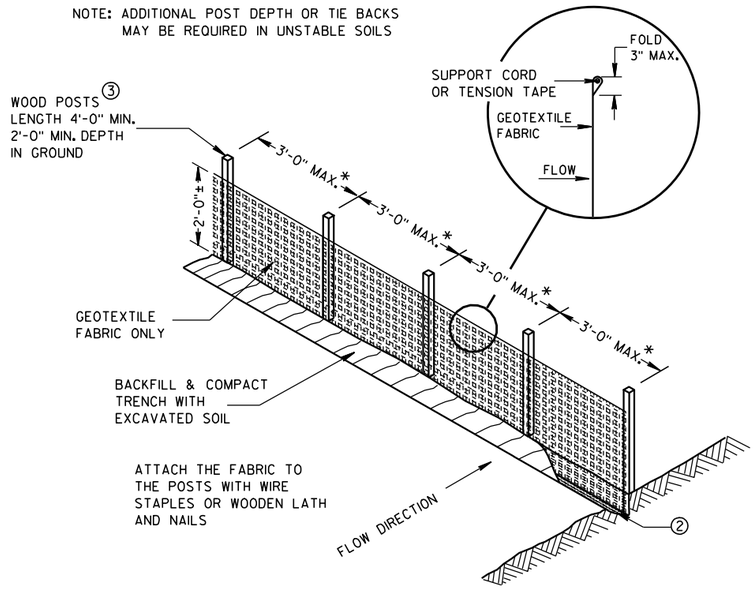
GENERAL NOTES

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

1. 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 1⅛" X 1⅛" 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.

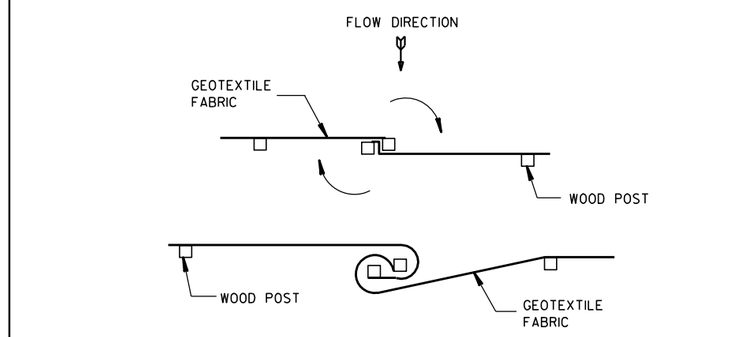


TRENCH DETAIL

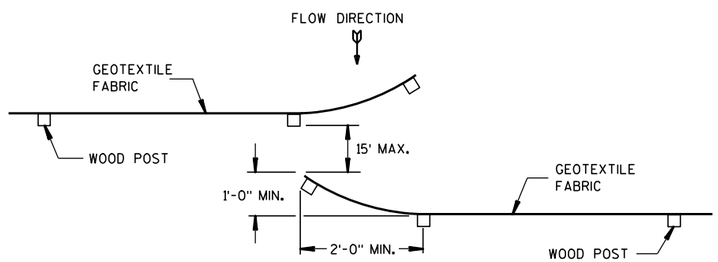


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

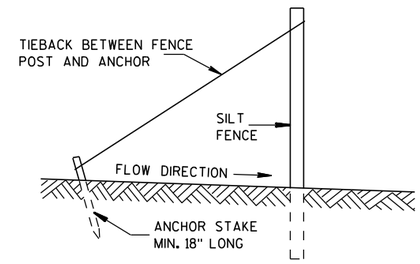


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

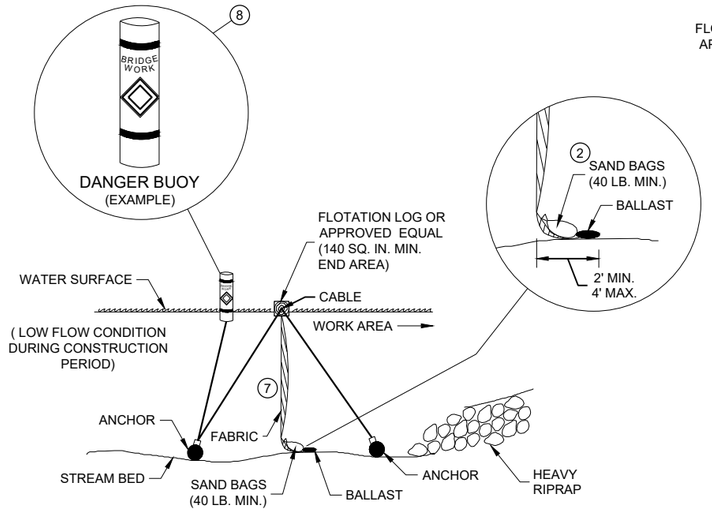
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

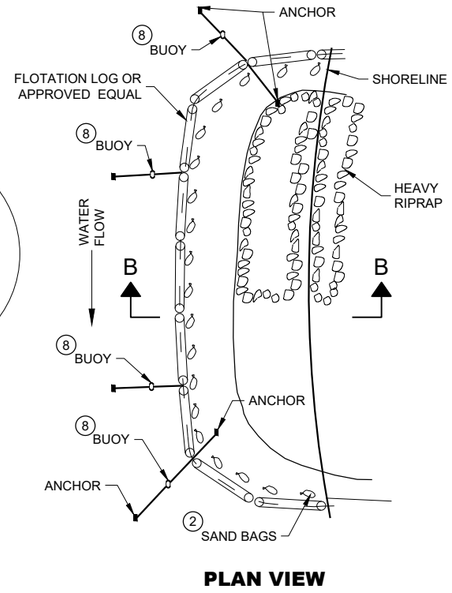
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6

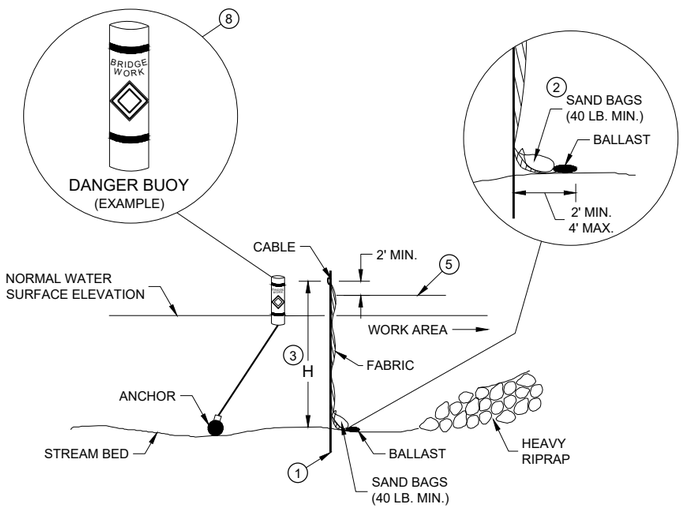


SECTION B - B

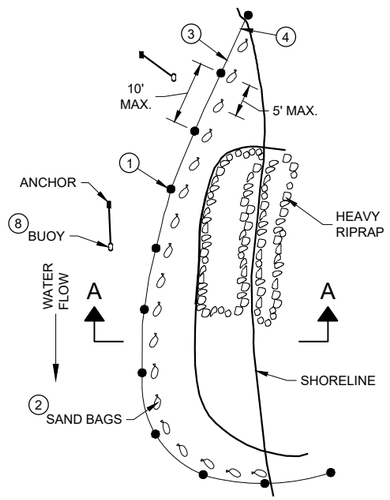


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

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 WATER ELEVATIONS.

(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.

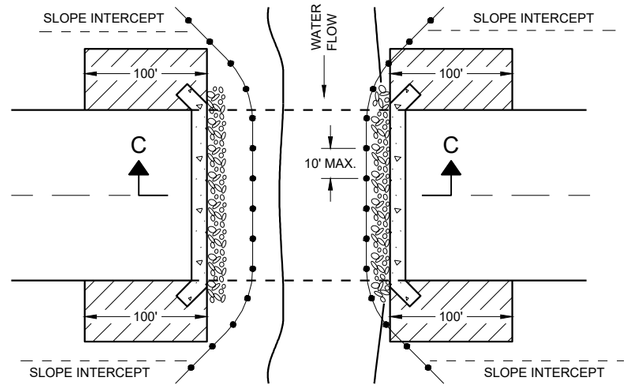
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

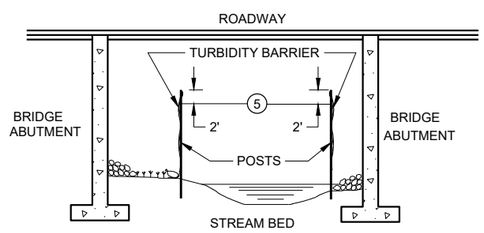
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

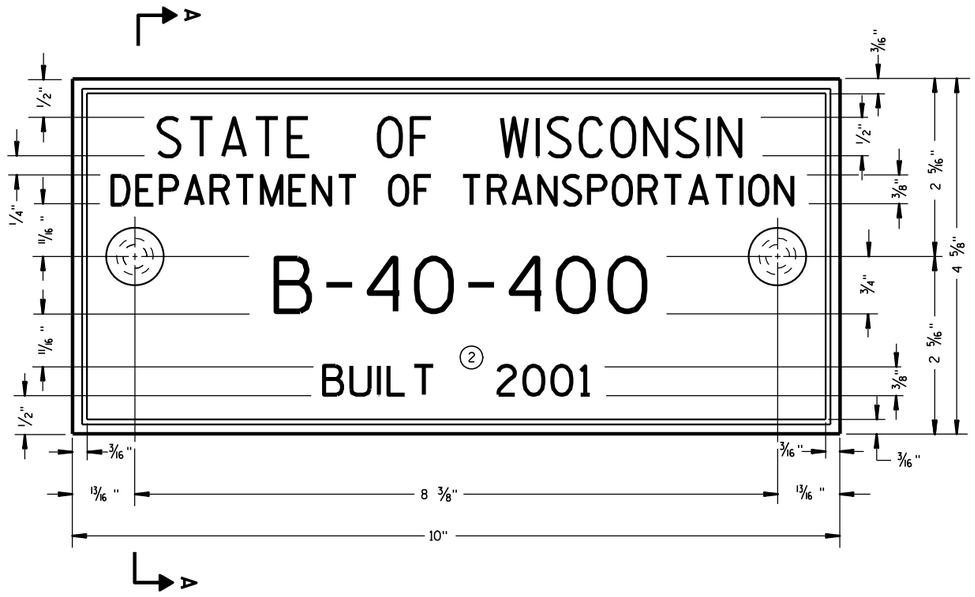
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 08E11 - 02



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

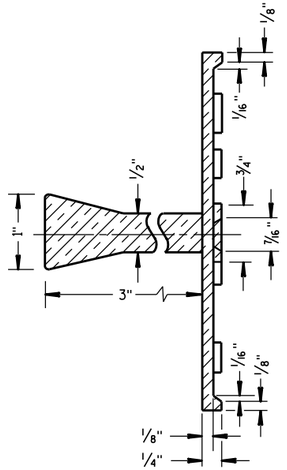
GENERAL NOTES

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.

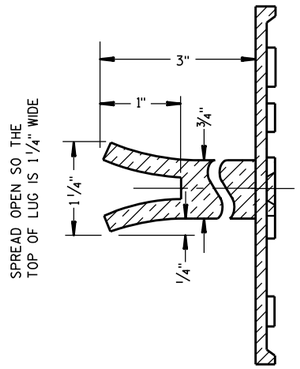
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

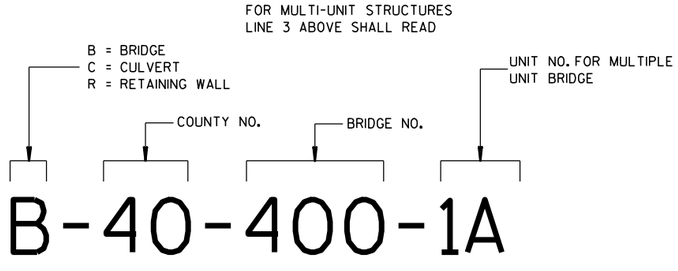
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



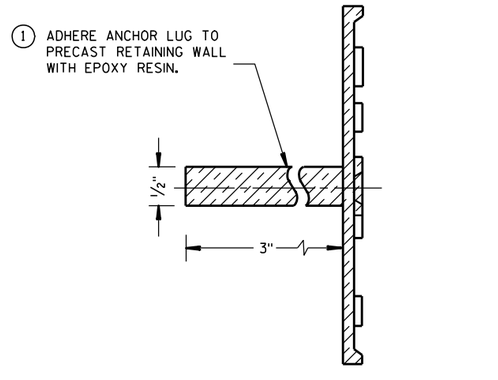
SECTION A-A



ALTERNATE LUG



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

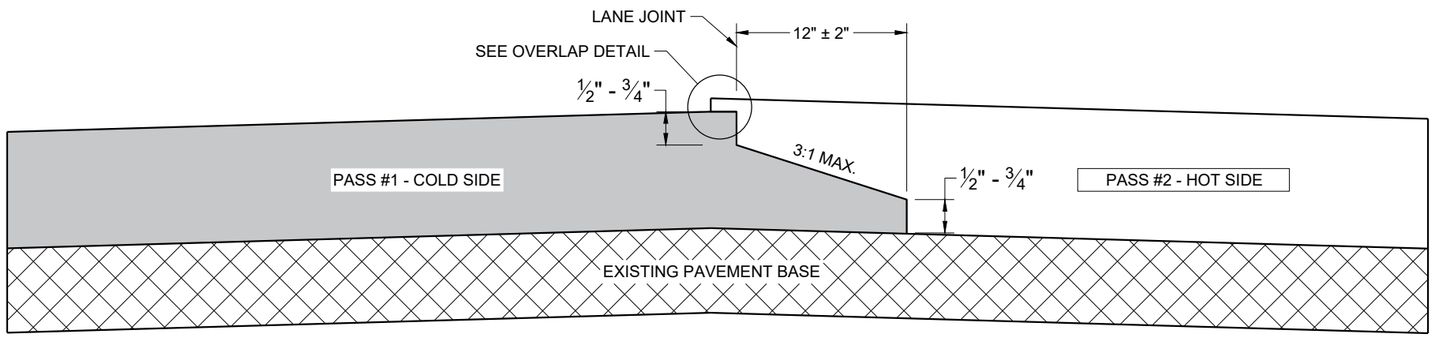
3/26/10 DATE

/S/ Scot Beck-- CHIEF STRUCTURAL DEVELOPMENT ENGINEER

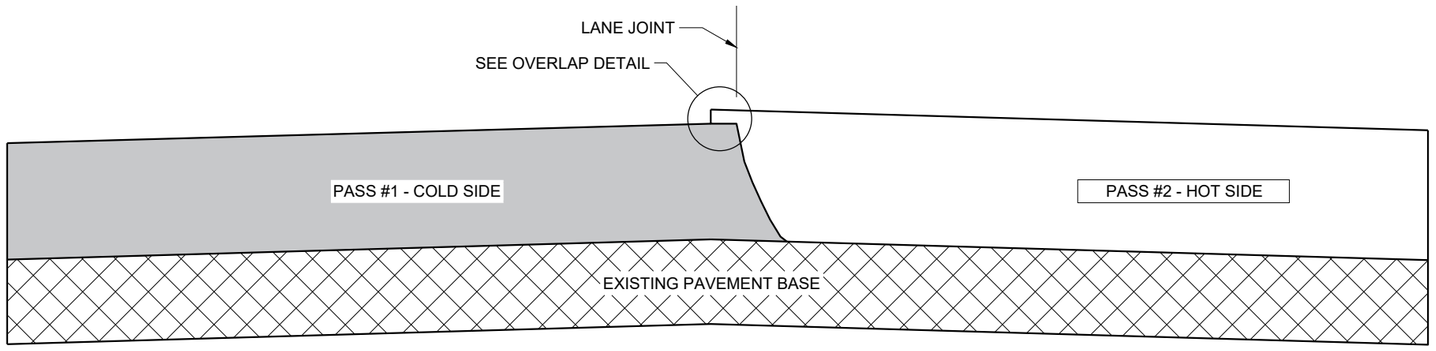
FHWA

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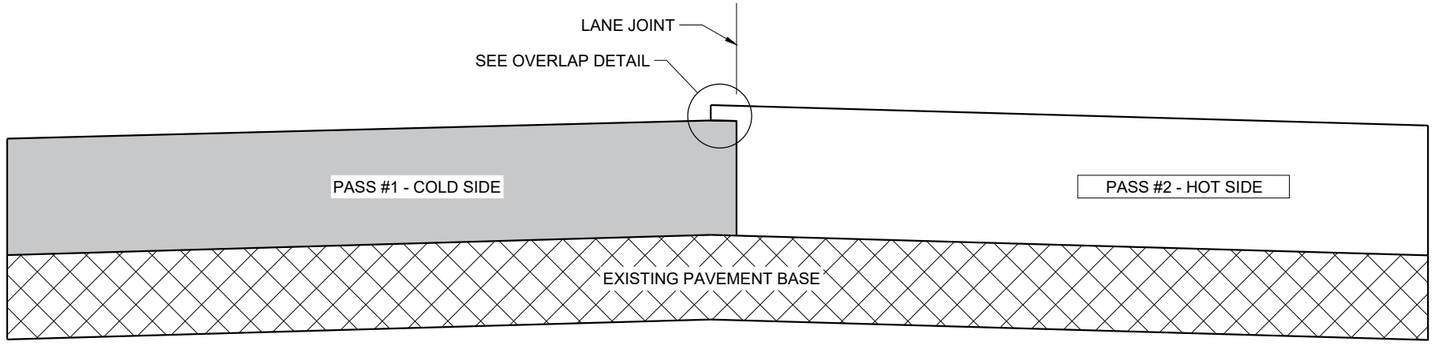
S.D.D. 12 A 3-10



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

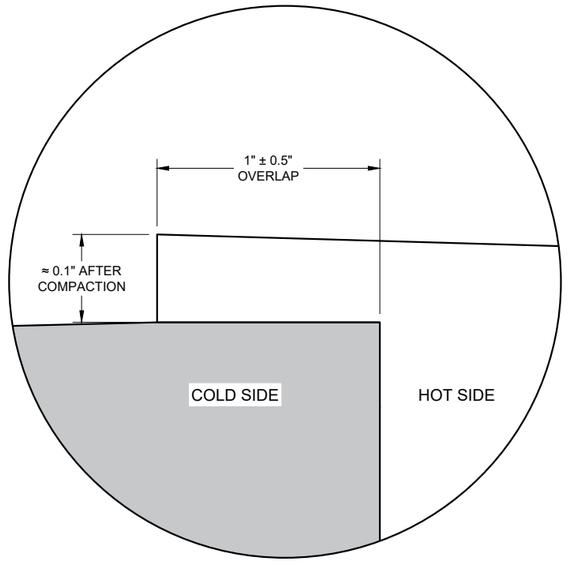
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

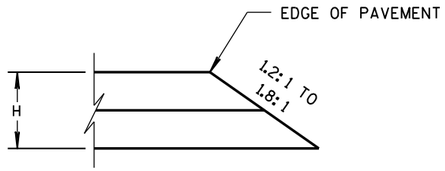
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

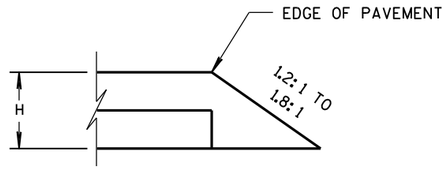
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



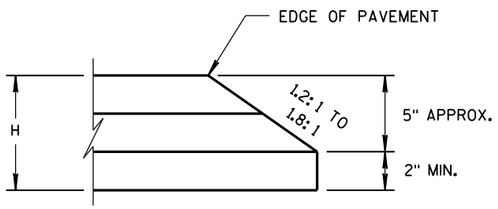
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



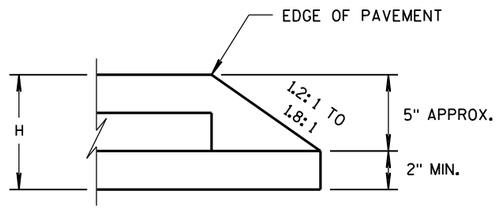
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

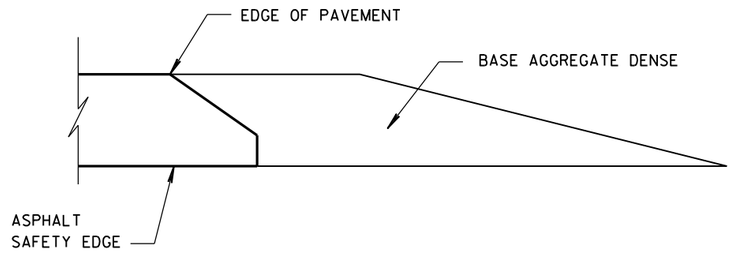
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

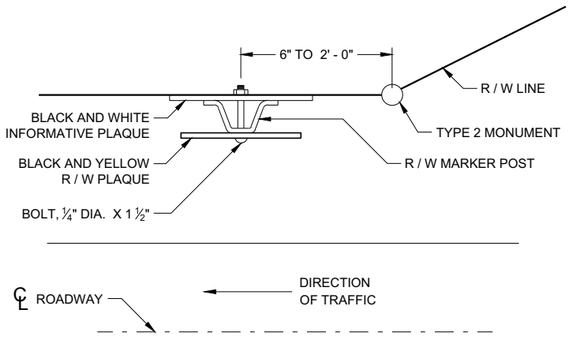
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

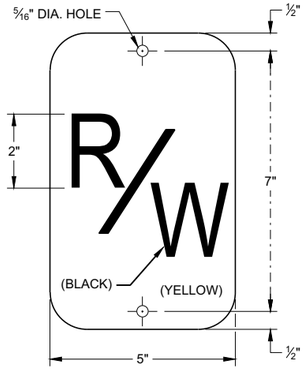
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

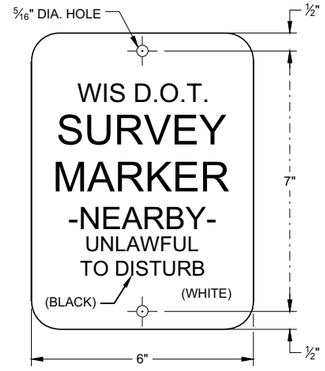


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

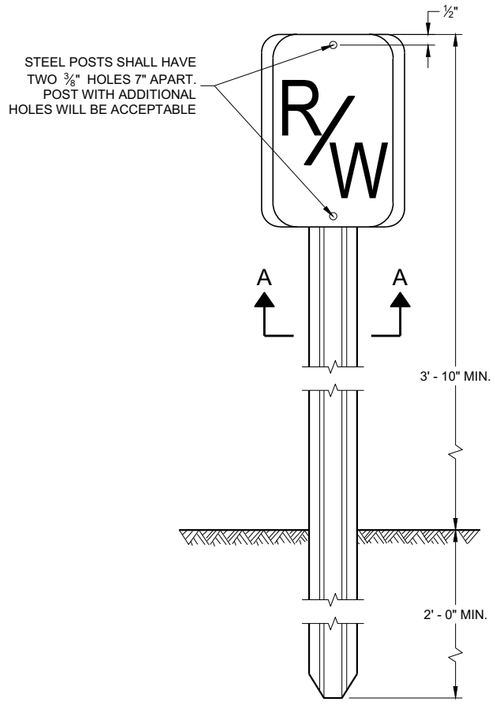
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

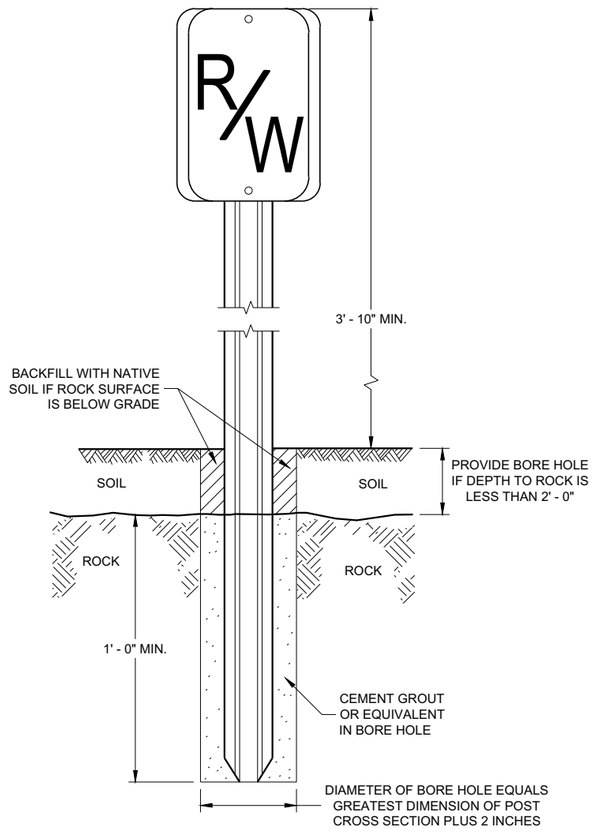
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

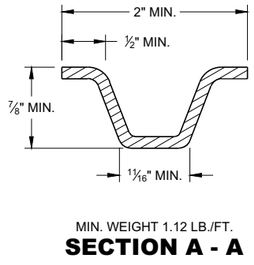
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



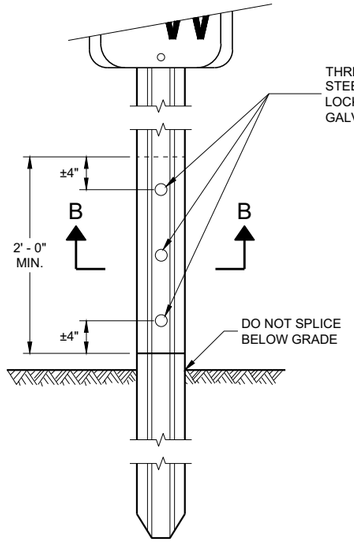
FRONT VIEW
STEEL MARKER POST



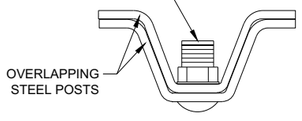
FRONT VIEW
ROCK INSTALLATION (1)



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

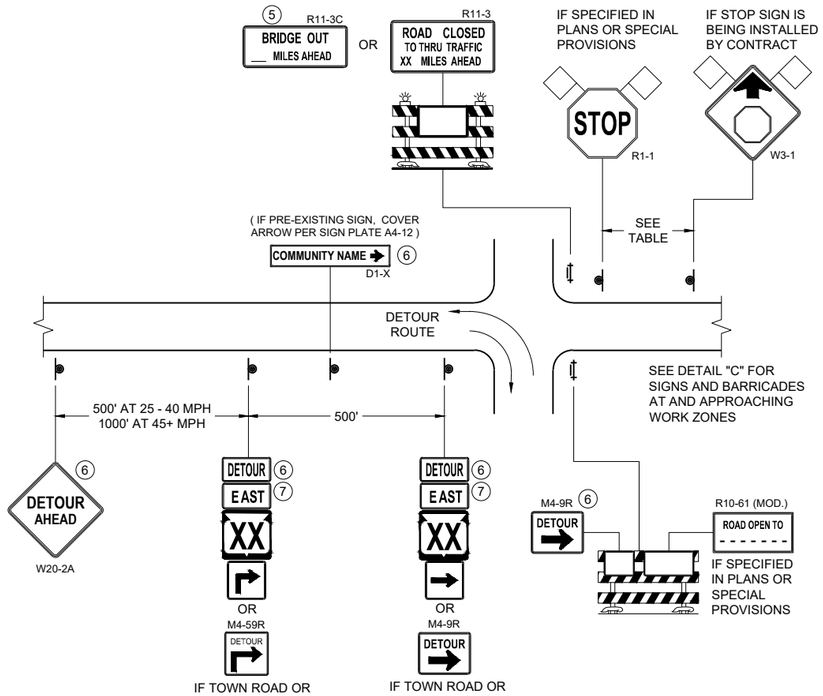
MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016
DATE
/S/ Ray Kumapayi
CHIEF SURVEYING AND MA
ENGINEER

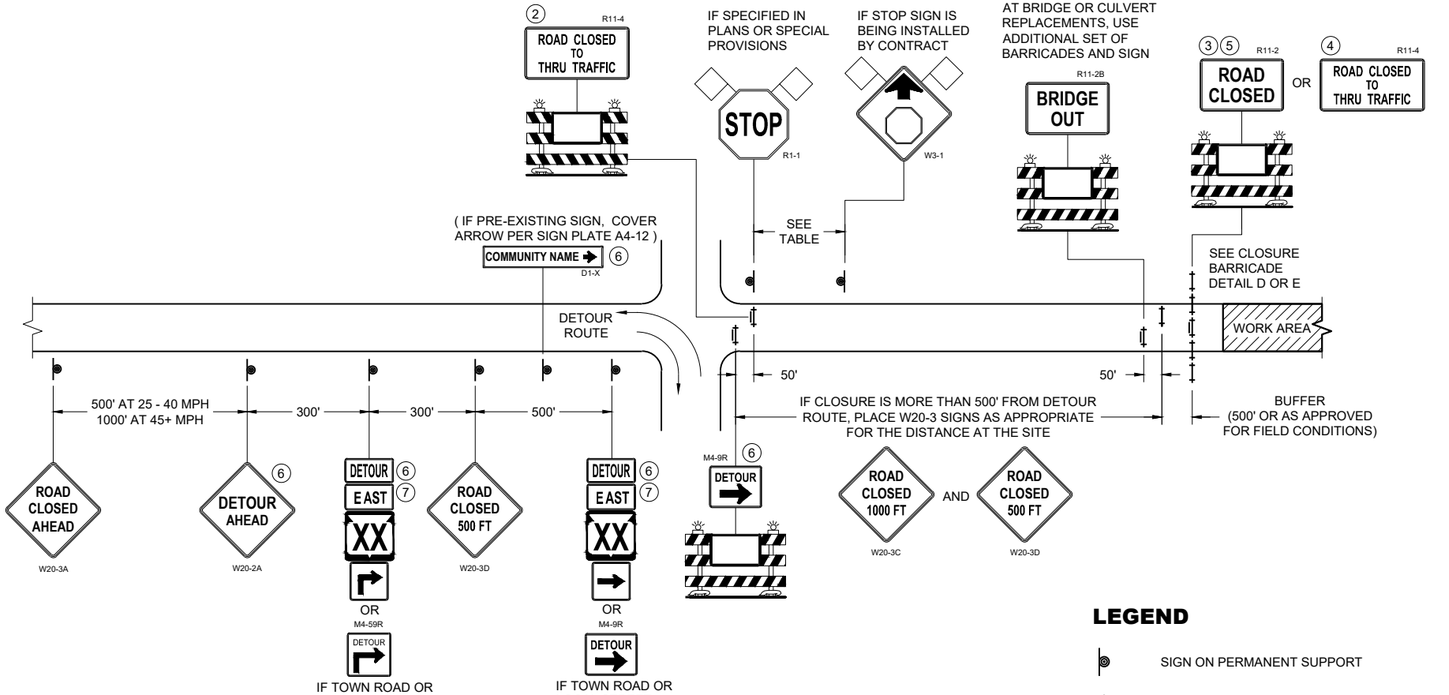
FHWA

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SDD15A01 - 13a



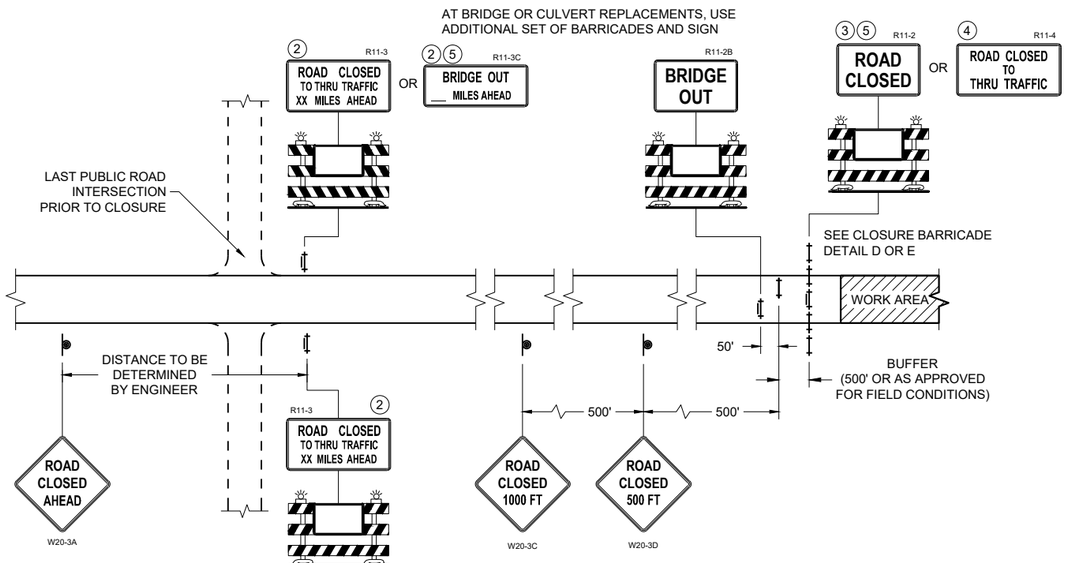
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

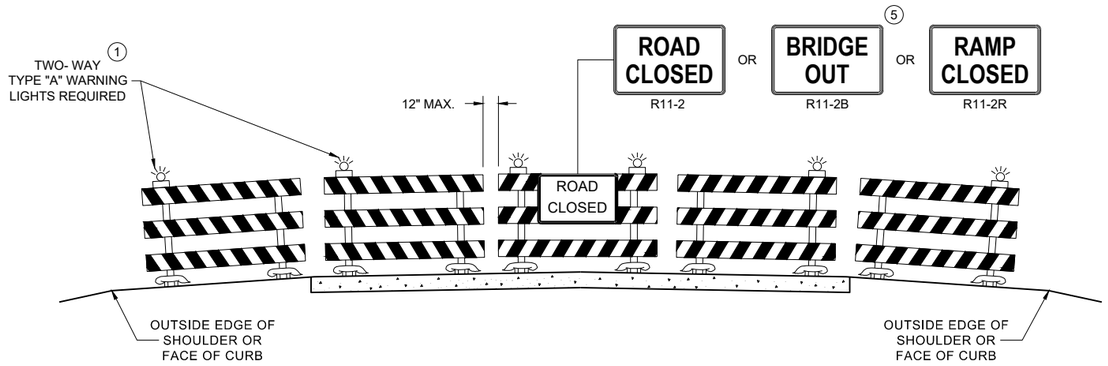
DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

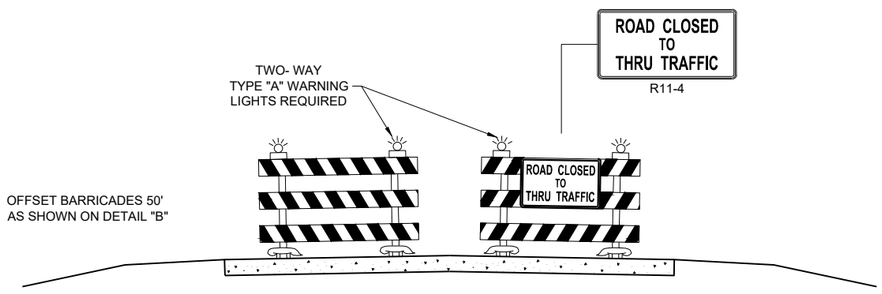
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SDD 15C02-10a



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 SUPPORTS.

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.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

"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"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(1) 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.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT 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 SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

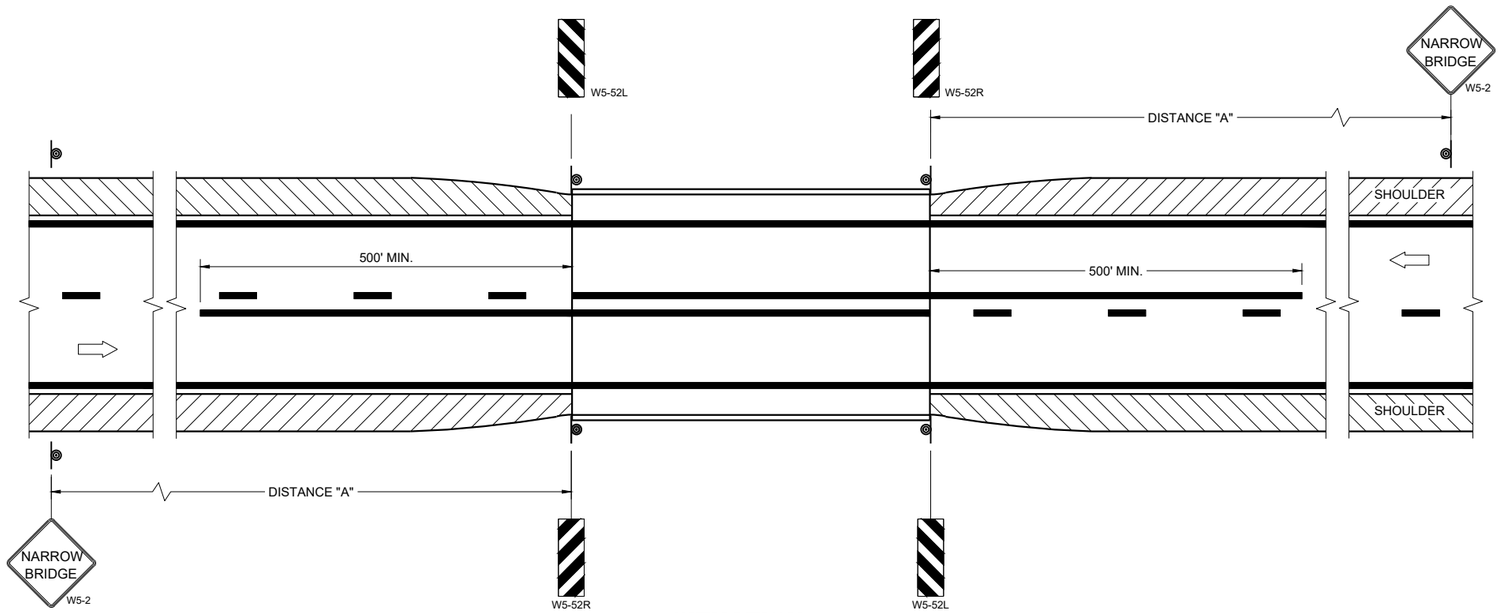
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

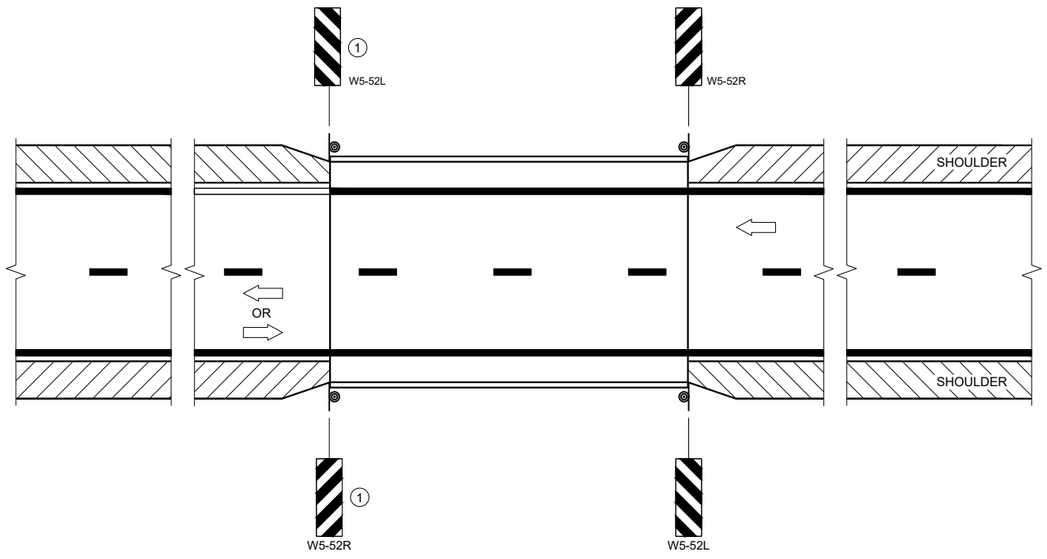
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SDD 15C02-10b



SITUATION 1

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



SITUATION 2

WARRANTING CRITERIA:
1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
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

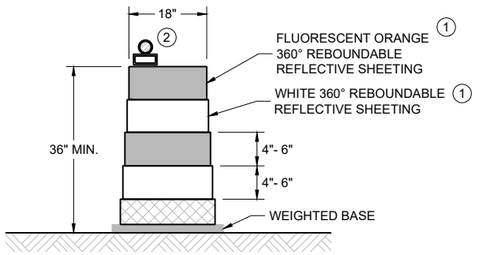
APPROVED
May 2023
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer
FHWA

6
SDD 15C06-12

GENERAL NOTES

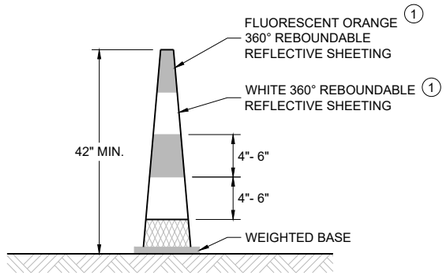
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

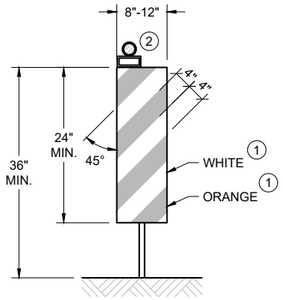
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

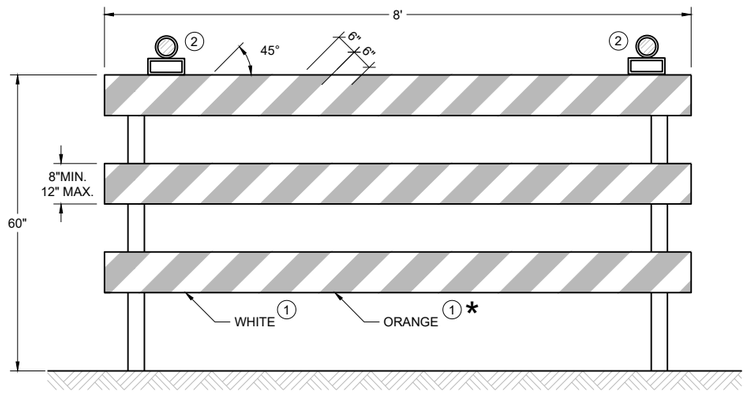
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

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



TYPE 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

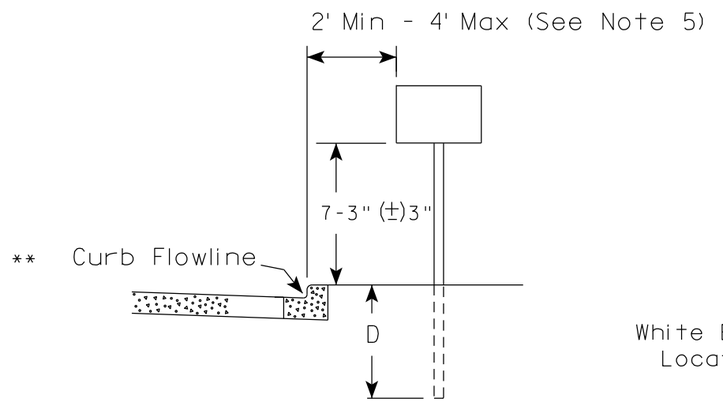
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

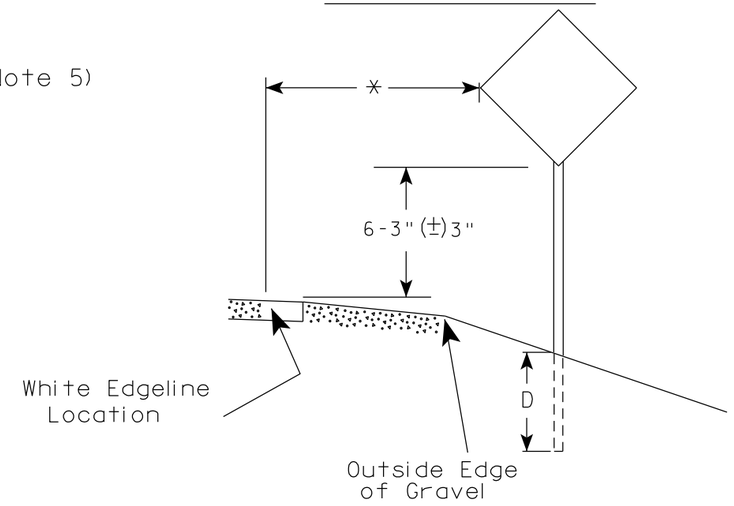
FHWA

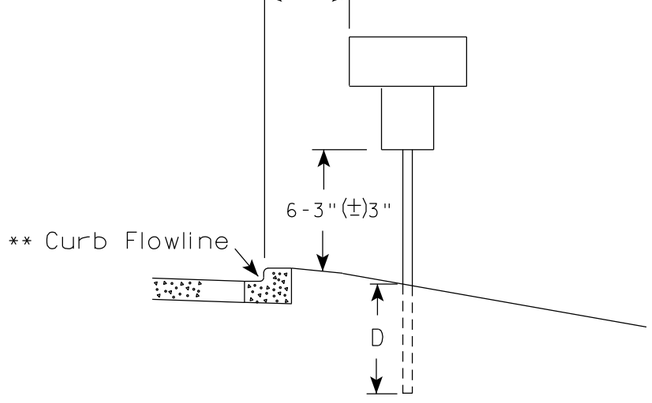
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SDD 15C11-11b

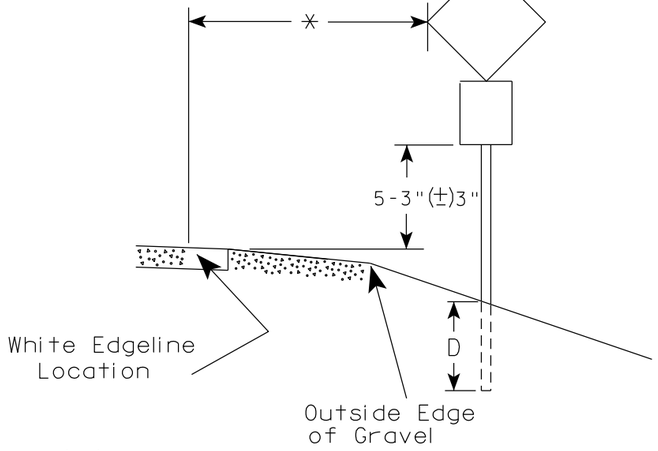
URBAN AREA



RURAL AREA (See Note 2)







** 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.

POST EMBEDMENT DEPTH

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

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" (±) 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" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 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" (±) 3" or as directd by the Engineer.

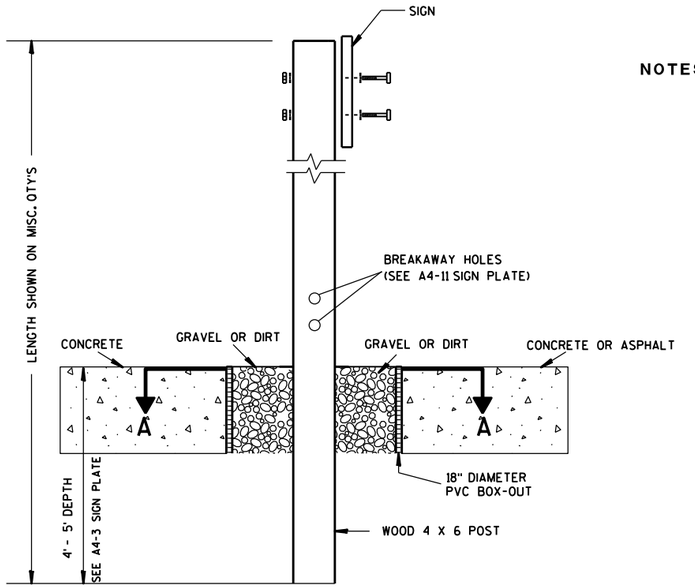
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

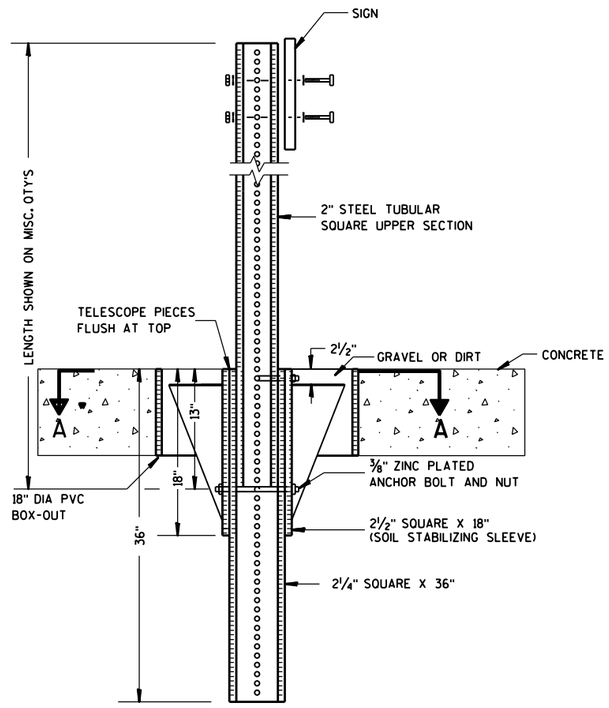
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 24	E



ELEVATION VIEW

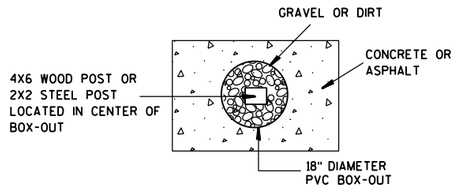
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

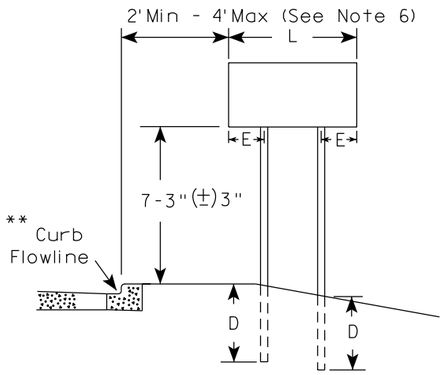
APPROVED Matthew R Rauch
for State Traffic Engineer

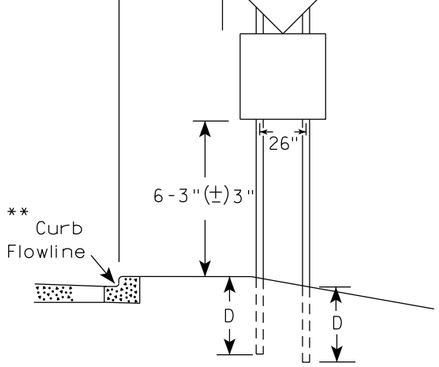
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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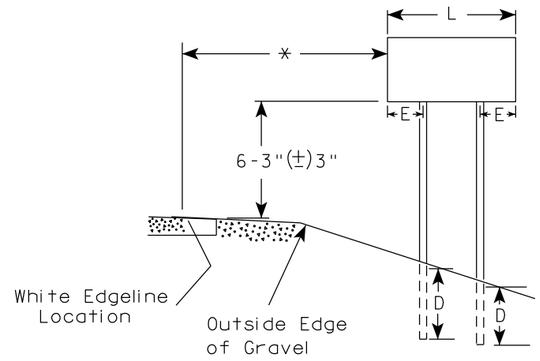
URBAN AREA

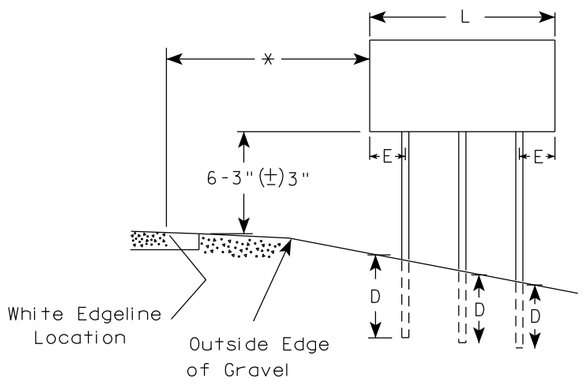


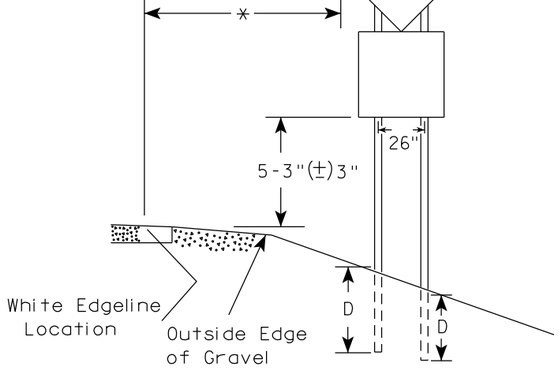


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

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

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
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" (±) 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.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

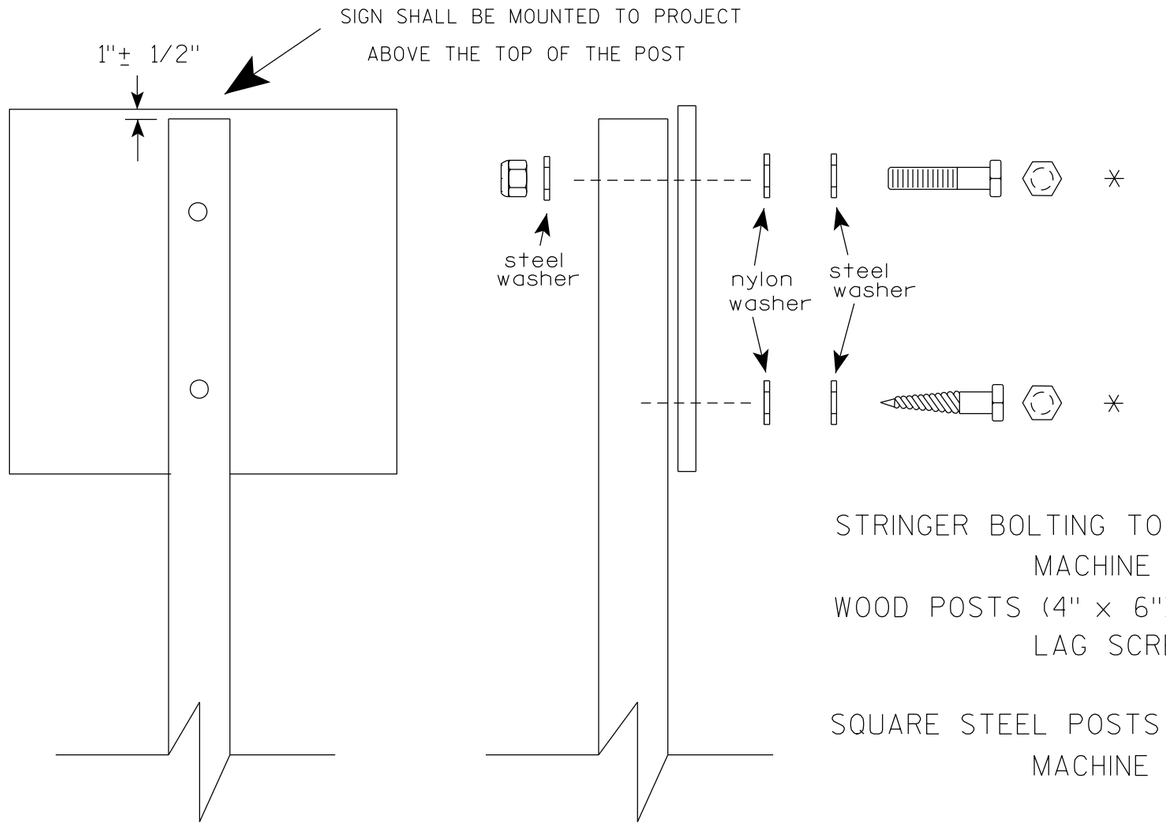
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 26	E



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 - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 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 - 9/32" (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 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 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

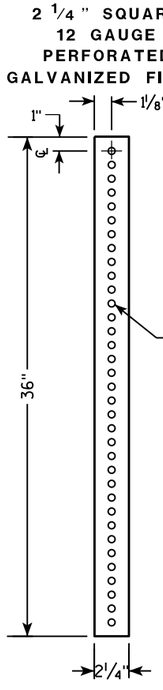
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

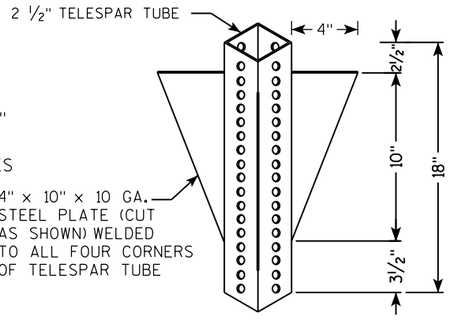
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

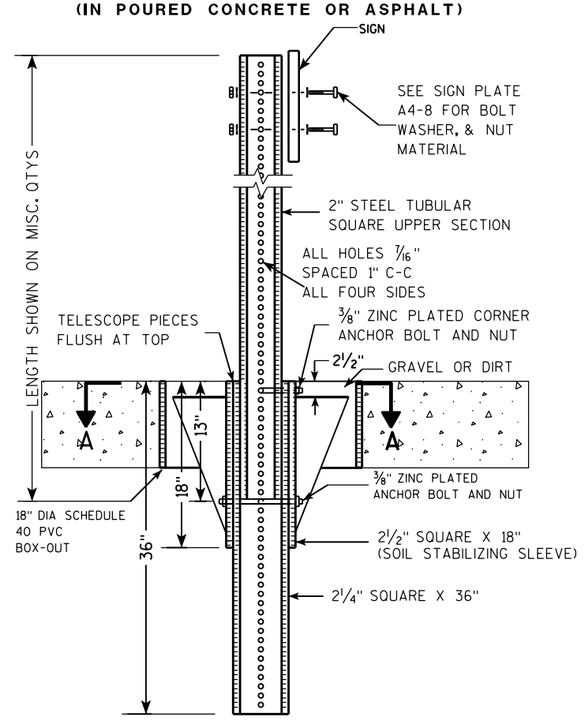
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



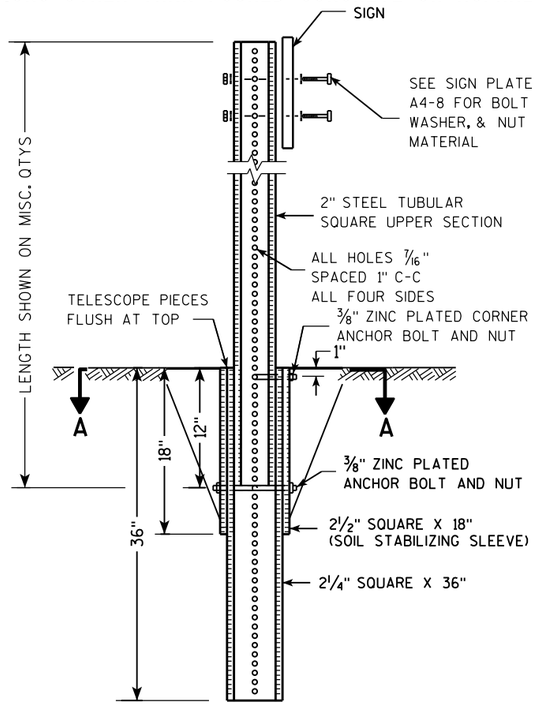
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

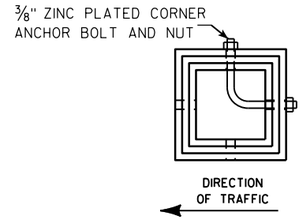


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

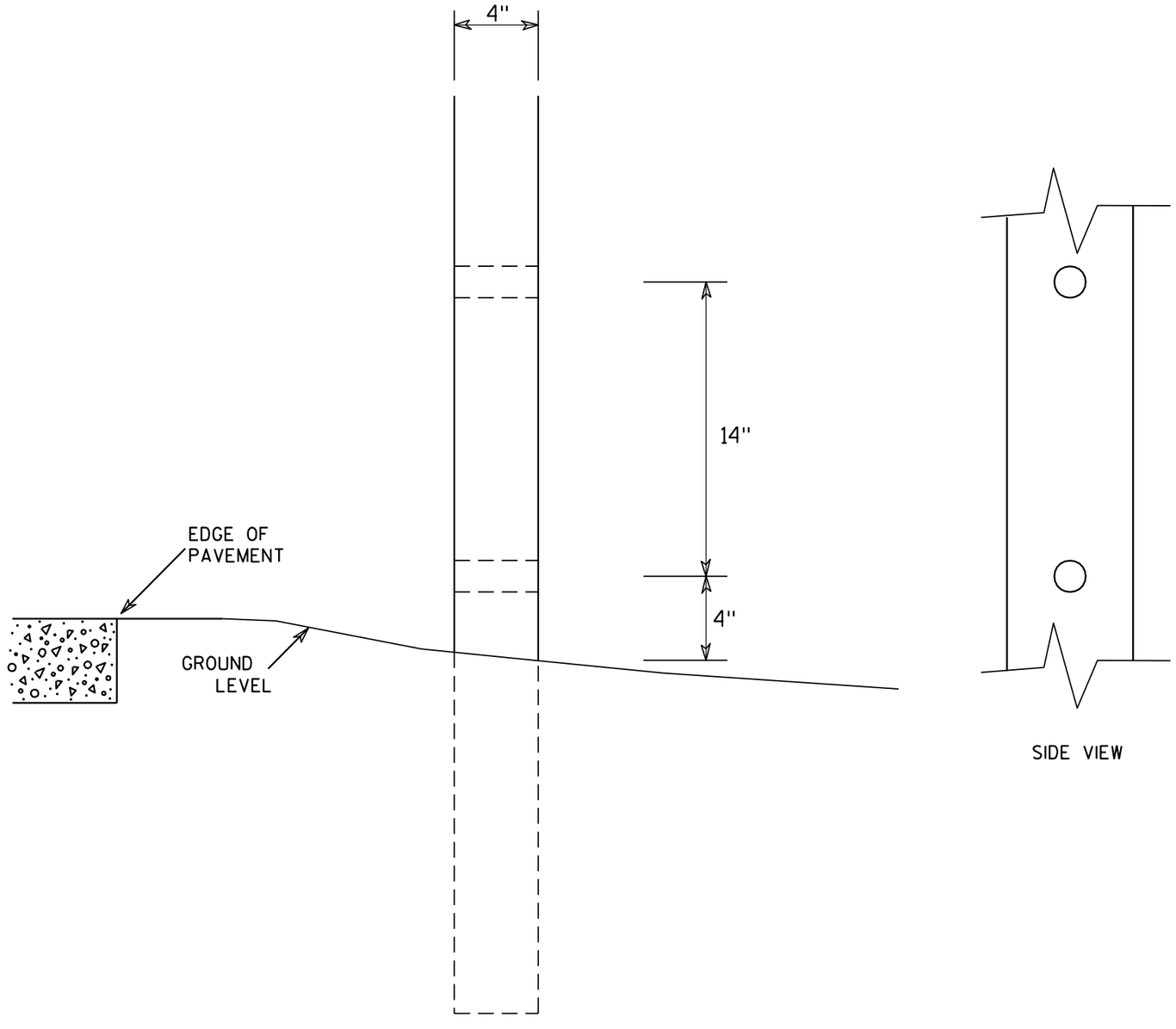
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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
WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

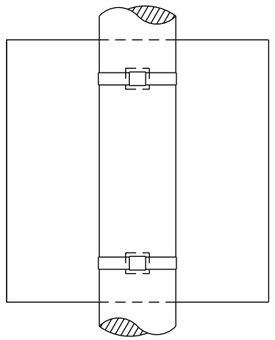
APPROVED Chester J Spang
for State Traffic Engineer

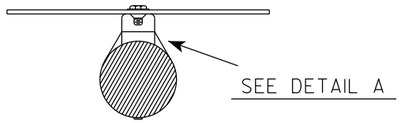
DATE 3/27/97 PLATE NO. A4-11.2

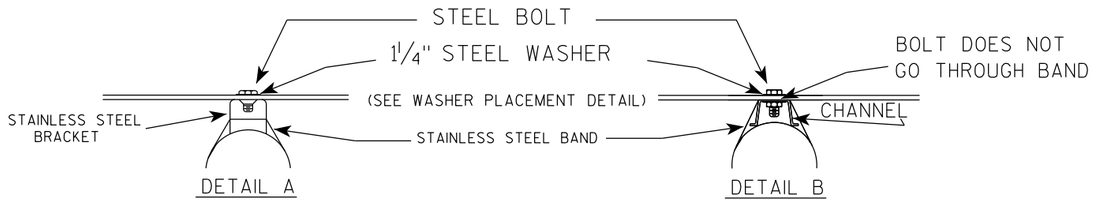
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 29	E

BANDING

SINGLE SIGN



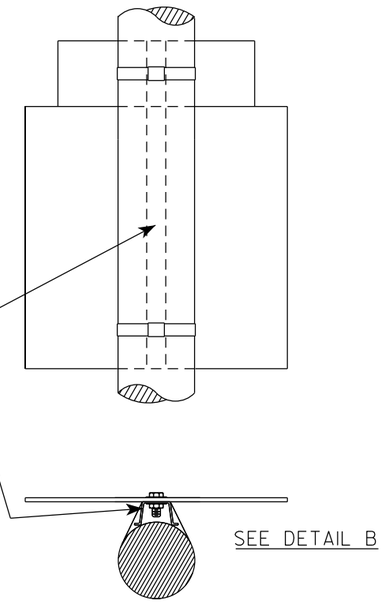




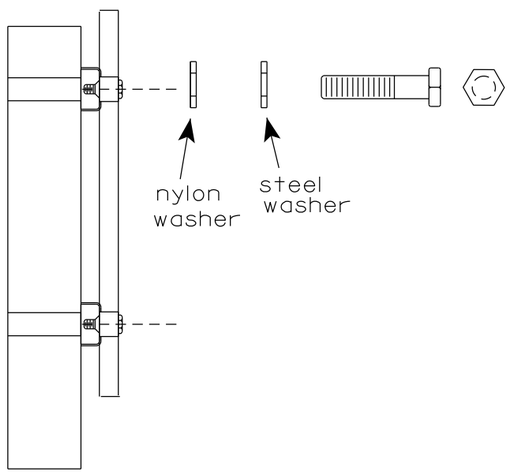
GENERAL NOTES

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 ¾" 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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

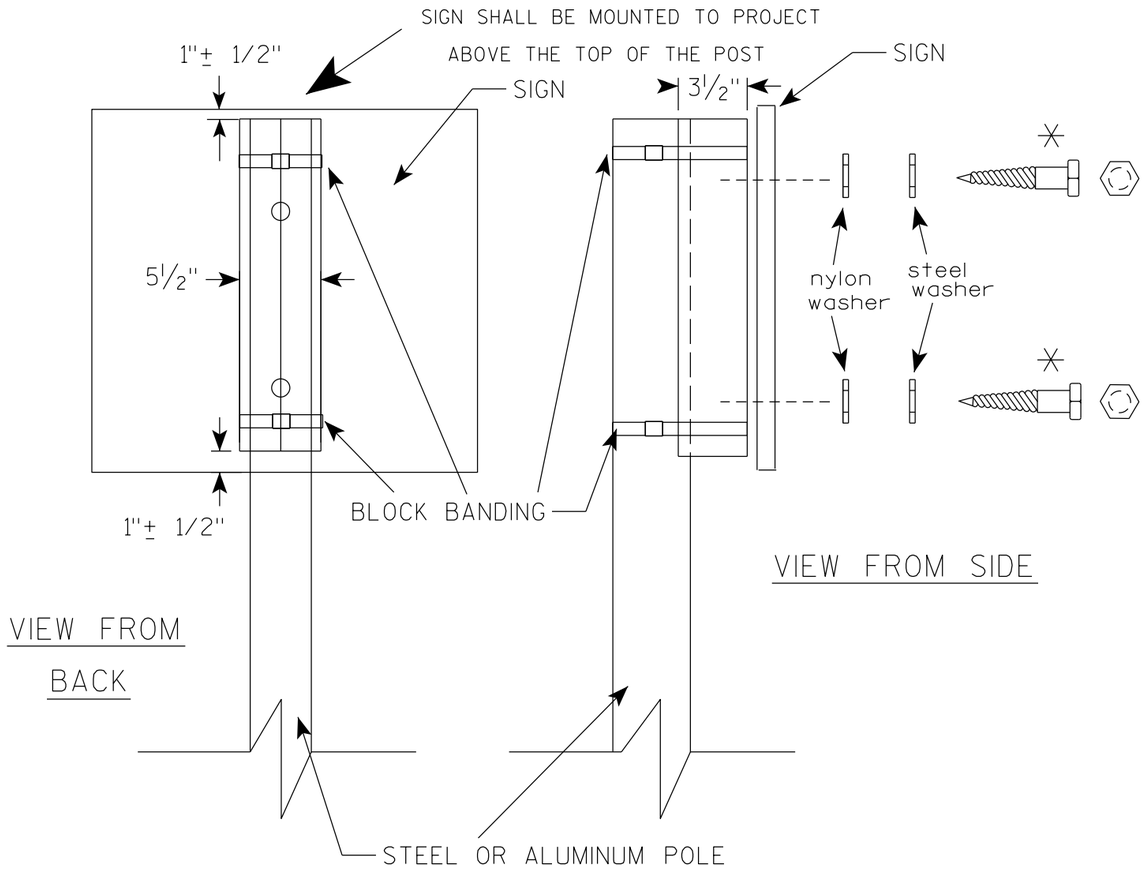
WISCONSIN DEPT OF TRANSPORTATION

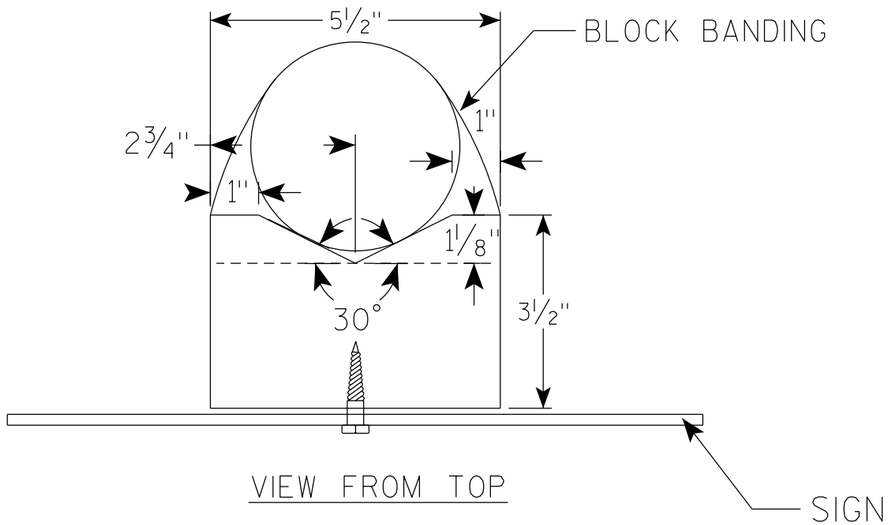
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 30	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





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, ¾" 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 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

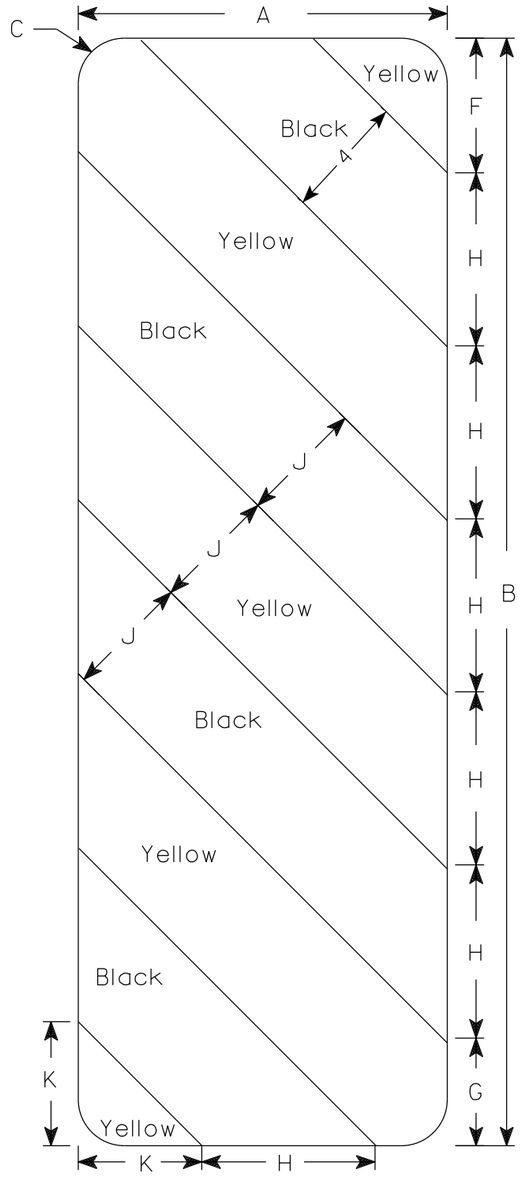
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

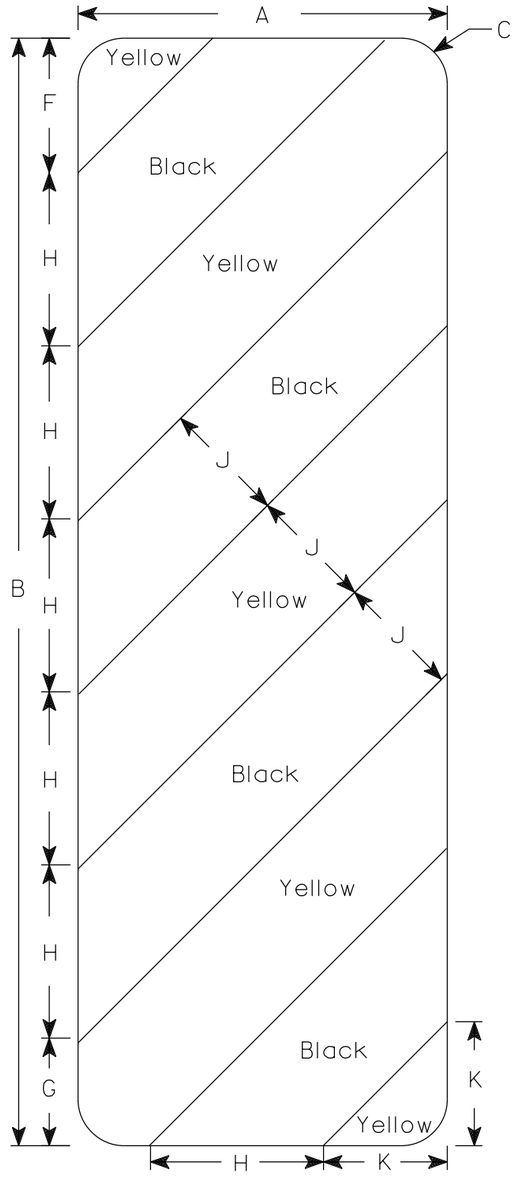
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 31 E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

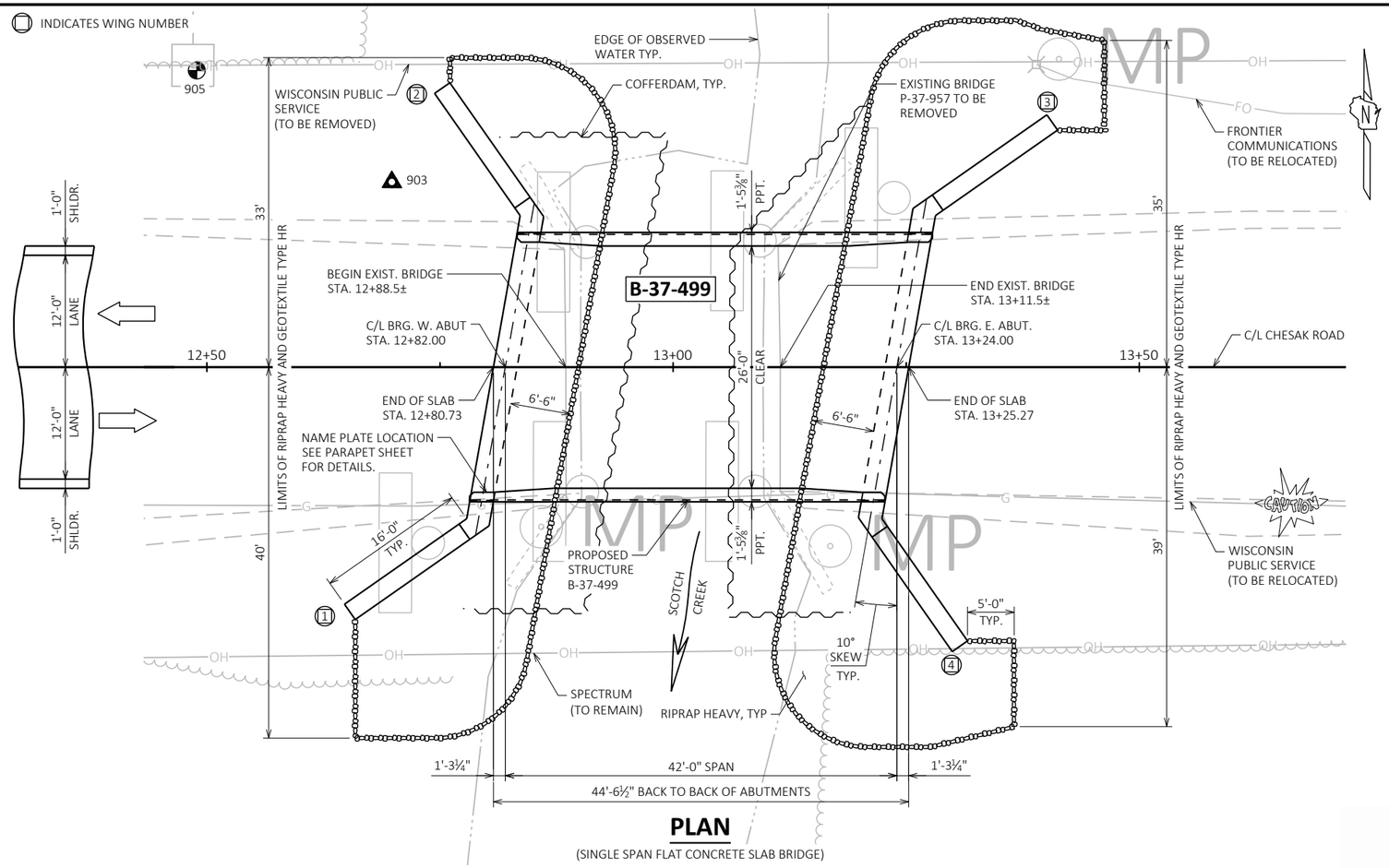
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 32 E

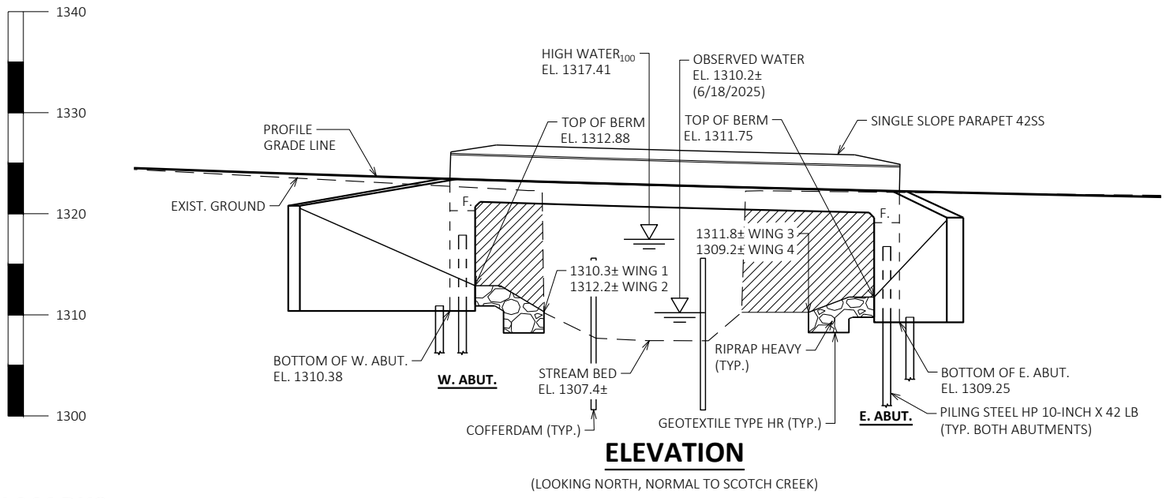
7

7



PLAN

(SINGLE SPAN FLAT CONCRETE SLAB BRIDGE)



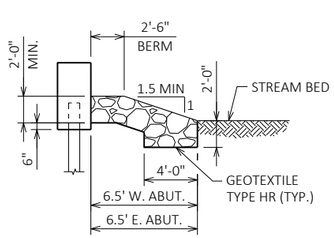
ELEVATION

(LOOKING NORTH, NORMAL TO SCOTCH CREEK)

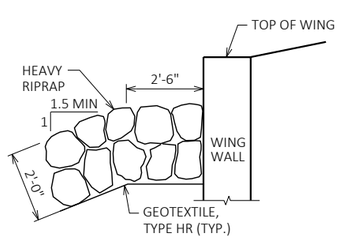
AREA TO EXCVATE INCLUDED IN "EXCAVATION FOR STRUCTURES BRIDGES B-37-499"

BENCH MARKS

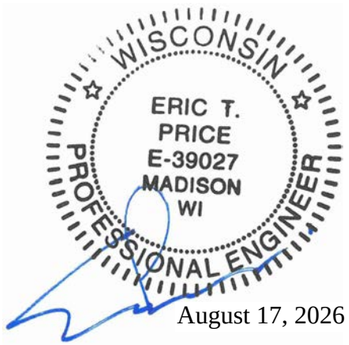
NO.	STATION	DESCRIPTION	ELEVATION
903	12+69.83, 19.9' LT	CAPPED REBAR	1322.95
905	12+48.91, 31.8' LT	BM NAIL PPOL	1324.80



RIPRAP DETAIL



TYPICAL FILL SECTION AT WING



STATE PROJECT NUMBER

6672-01-70

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.07
OPERATING RATING: RF = 1.38
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE — f'_c = 4,000 PSI
ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB SEATED IN PRE-BORED HOLES CORED A MINIMUM OF 3 FEET INTO SOUND GRANITE. PILE DRIVING NOT REQUIRED. TEMPORARY CASING REQUIRED.
ESTIMATED 20' LONG AT WEST ABUT.
ESTIMATED 25' LONG AT EAST ABUT.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS 180 TONS MULTIPLIED BY A RESISTANCE FACTOR OF 0.5.

HYDRAULIC DATA

100-YEAR FREQUENCY:
Q_{100}= 1,400 C.F.S.
V_{100}= 9.8 F.P.S.
HW_{100}= EL. 1317.41
WATERWAY AREA = 144 SQ. FT.
DRAINAGE AREA = 4.4 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

2-YEAR FREQUENCY:
Q_2= 310 C.F.S.
V_2= 4.5 F.P.S.
HW_2= EL. 1313.61

TRAFFIC DATA

CHESAK ROAD
ADT = 20 (2027)
ADT = 20 (2047)
R.D.S. = 35 MPH

LIST OF DRAWINGS:

1. GENERAL PLANS
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS - 1
6. WEST ABUTMENT DETAILS - 2
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS - 1
9. EAST ABUTMENT DETAILS - 2
10. SUPERSTRUCTURE
11. SUPERSTRUCTURE DETAILS
12. SINGLE SLOPE PARAPET 42SS

BUREAU OF STRUCTURES CONTACT:
AARON BONK, P.E. 608-261-0261

CONSULTANT CONTACT:
ERIC PRICE, P.E. 608-826-6146

NO.	DATE	REVISION	BY

CORRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 08/18/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-37-499

CHESAK ROAD OVER SCOTCH CREEK

COUNTY	TOWN
MARATHON	WIEN

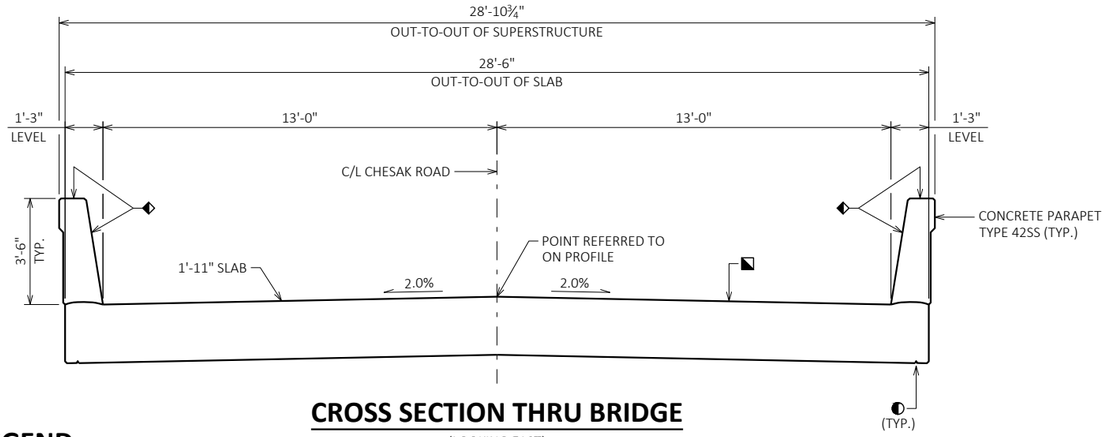
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
SMS	SAE/ETP	PKF/SMS	ETP

GENERAL PLAN

SHEET 1 OF 12
33

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2 NC REGION\6672-01-00_CHESAK RD_MARATHON CO\500_CADD\502_STRUCTURES\503.3_FINAL\080101 GP_CHESAK RD.DWG PLOT DATE : 8/6/2026 2:25 PM PLOT BY : SAM SWITTEL I.D. 6672-01-00 DATE:

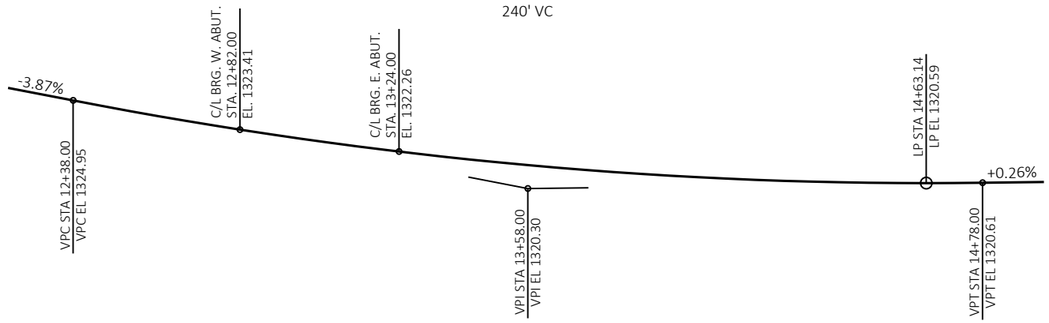


CROSS SECTION THRU BRIDGE

(LOOKING EAST)

LEGEND

- ◐ ¾" V-GROOVE REQ'D. EXTEND 6" FROM F.F. OF ABUTMENT BODY.
- ◪ COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS.
- ◆ COAT WITH "PIGMENTED SURFACE SEALER" AS PER THE STANDARD SPECIFICATIONS.



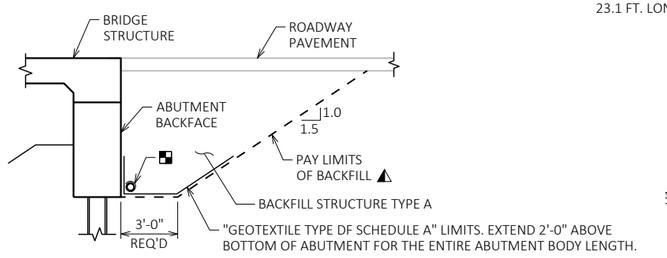
PROFILE GRADE LINE

(CHESAK ROAD)

TOTAL ESTIMATED QUANTITIES

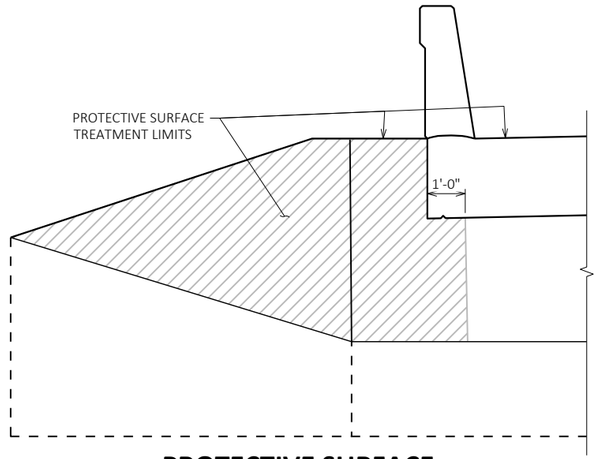
BID ITEM NUMBER	BID ITEM	UNIT	WEST ABUTMENT	EAST ABUTMENT	SUPER.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-37-957	EACH	--	--	--	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-37-499	EACH	--	--	--	1
206.5001	COFFERDAMS B-37-499	EACH	--	--	--	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	435	435	--	870
502.0100	CONCRETE MASONRY BRIDGES	CY	61.5	61.3	106.8	230
502.3200	PROTECTIVE SURFACE TREATMENT	SY	39	39	129	207
502.3210	PIGMENTED SURFACE SEALER	SY	--	--	44	44
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,410	2,410	--	4,820
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	3,170	3,170	19,180	25,520
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	7	--	14
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	91	126	--	217
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	130	165	--	295
606.0300	RIPRAP HEAVY	CY	80	100	--	180
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	115	115	--	230
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	63	63	--	126
645.0120	GEOTEXTILE TYPE HR	SY	135	170	--	305
	NON-BID ITEMS					
	FILLER	SIZE	--	--	--	1/2" & 3/4"

ALL ITEMS ARE CATEGORY 0020



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.



PROTECTIVE SURFACE TREATMENT DETAIL

ABBREVIATIONS

ABUT.	-	ABUTMENT
B.F.	-	BACK FACE
BOT.	-	BOTTOM
BRG.	-	BEARING
C/L	-	CENTER LINE
CL.	-	CLEAR
CONST.	-	CONSTRUCTION
DIA.	-	DIAMETER
E.F.	-	EACH FACE
F.F.	-	FRONT FACE
HORIZ.	-	HORIZONTAL
JT.	-	JOINT
LONG.	-	LONGITUDINAL
PPT.	-	PARAPET
S.E.	-	SEMI-EXPANSION
SPA.	-	SPACED
STD.	-	STANDARD
SYMM.	-	SYMMETRICAL
T & B	-	TOP AND BOTTOM
TRANS.	-	TRANSVERSE
TYP.	-	TYPICAL
VERT.	-	VERTICAL
U.N.O.	-	UNLESS NOTED OTHERWISE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

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

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-37-499" SHALL BE THE EXISTING GROUNDLINE.

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

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

"PROTECTIVE SURFACE TREATMENT" TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF SLAB.

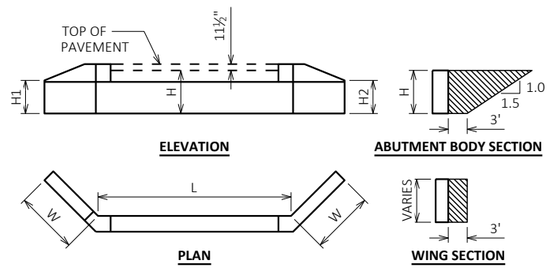
"PIGMENTED SURFACE SEALER" TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS ON THE STRUCTURE.

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

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

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

THE EXISTING STRUCTURE P-37-957, TO BE REMOVED, IS A SINGLE SPAN STEEL DECK GIRDER BRIDGE, 23.1 FT. LONG WITH A 25.7 FT. CLEAR WIDTH.



ABUTMENT BACKFILL DIAGRAM

L = ABUTMENT BODY LENGTH AT BACKFACE (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
H1 = WING 1 HEIGHT AT TIP (FT)
H2 = WING 2 HEIGHT AT TIP (FT)
W = WING LENGTH (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)

STATE PROJECT NUMBER

6672-01-70

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY PKF | PLANS CK'D ETP

CROSS SECTION & QUANTITIES

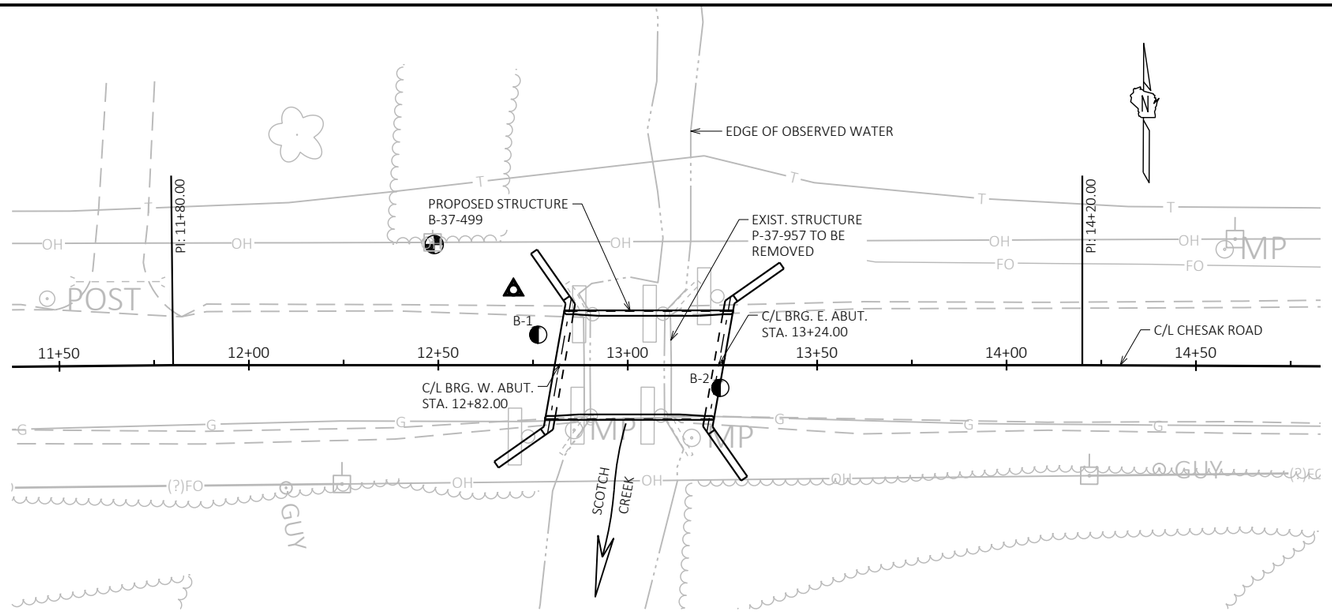
SHEET 2 OF 12
34

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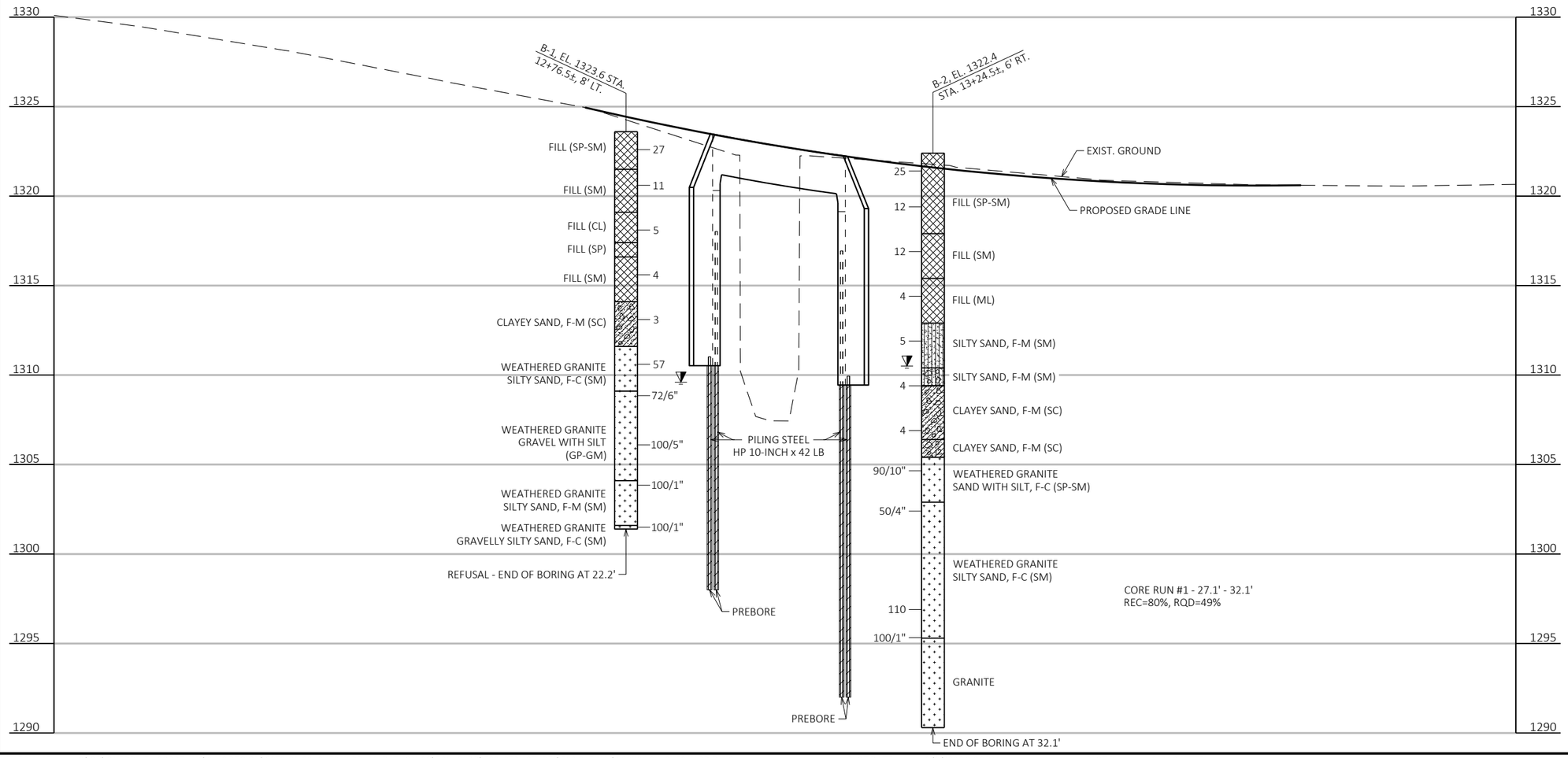
STATE PROJECT NUMBER

6672-01-70



SOIL BORINGS COMPLETED BY:

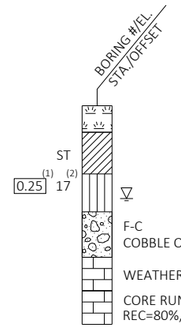
AMERICAN ENGINEERING TESTING
4203 SCHOFIELD AVENUE, SUITE 1
SCHOFIELD, WI 54476
(715) 359-3534
BORINGS B-1 & B-2
COMPLETED ON AUGUST 22, 2025



MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY PKF | PLANS CK'D ETP

SUBSURFACE EXPLORATION

SHEET 3 OF 12

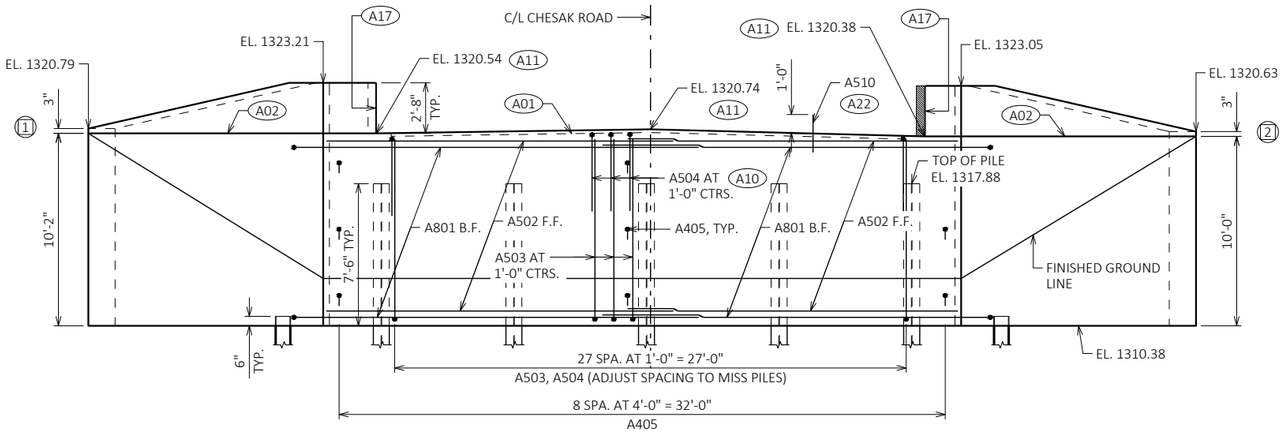
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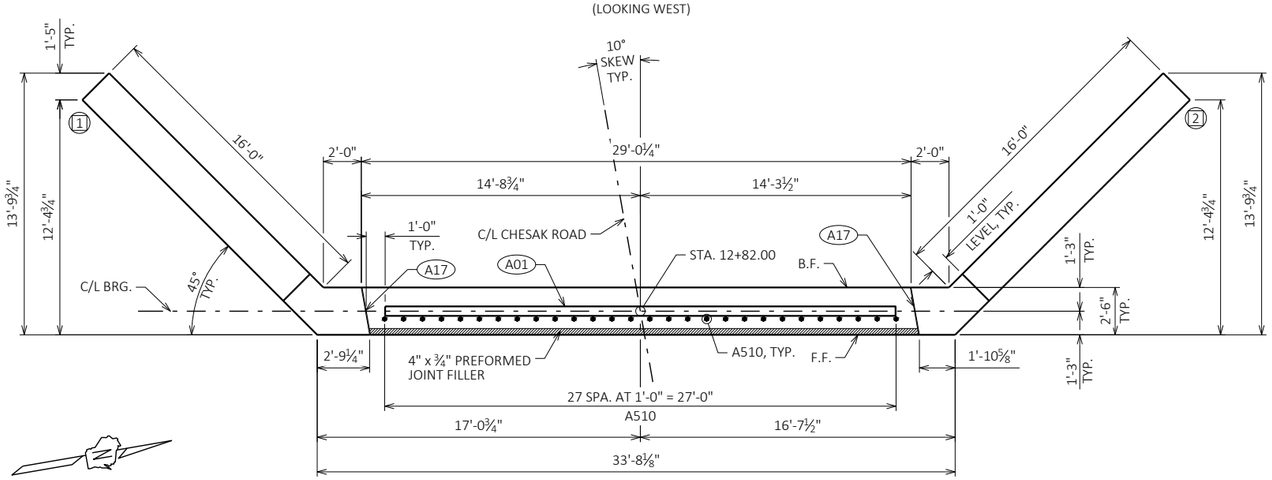
STATE PROJECT NUMBER

6672-01-70

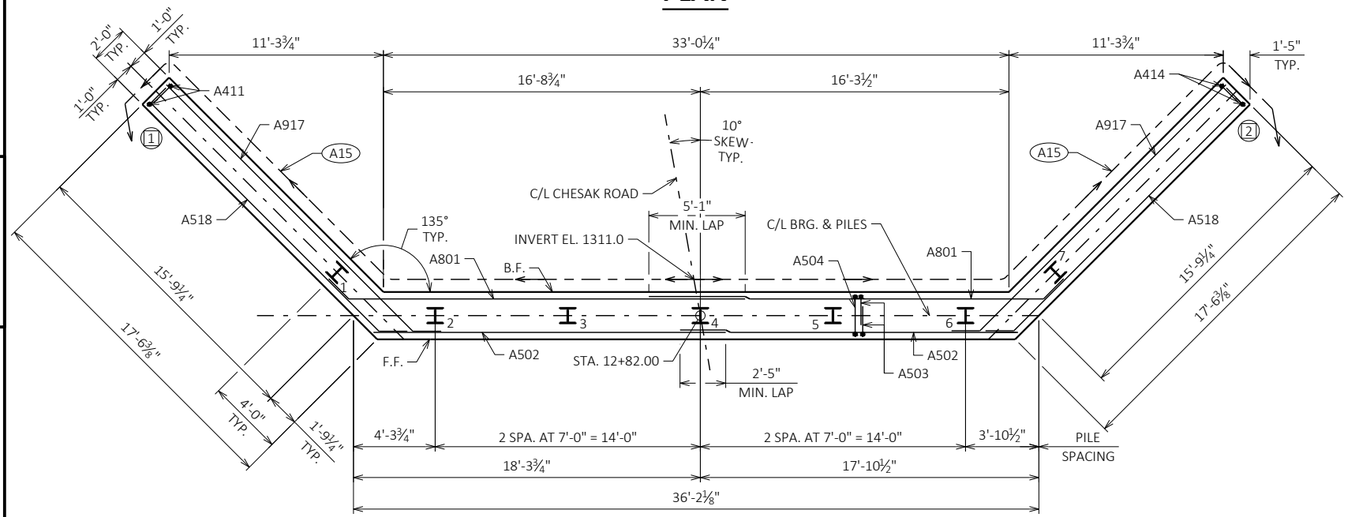


ELEVATION

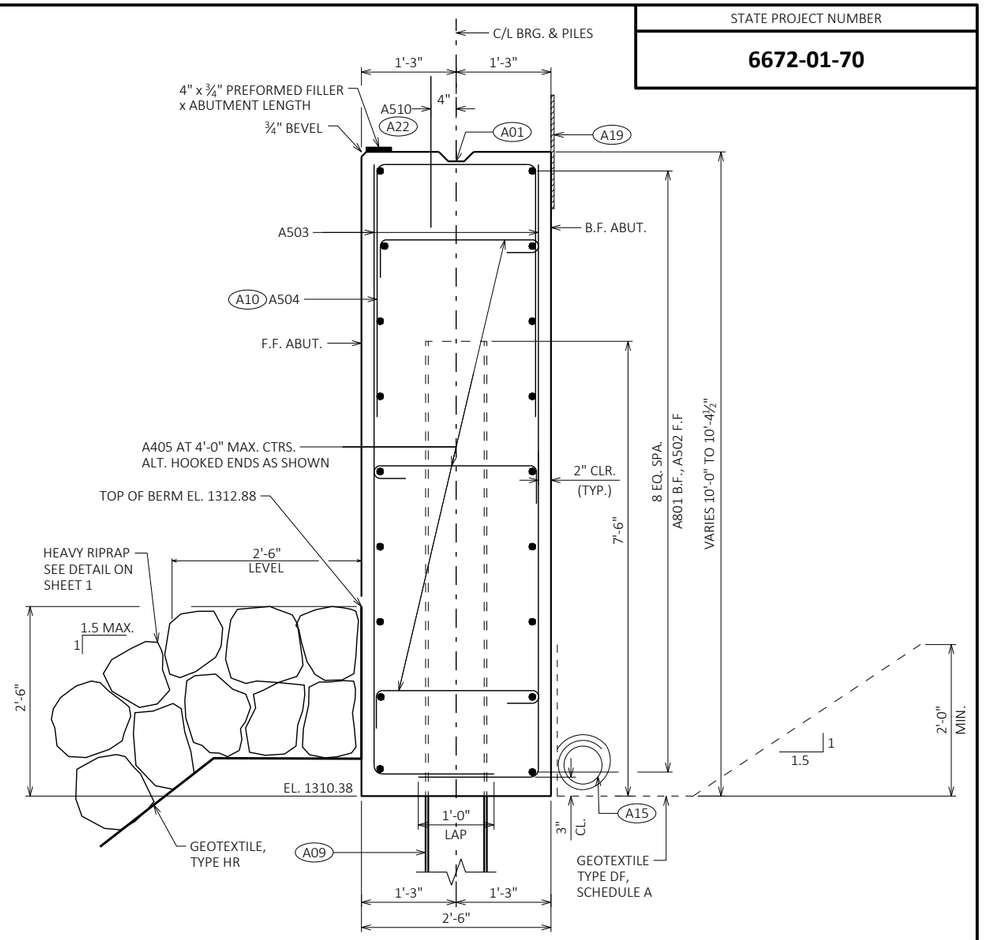
(LOOKING WEST)



PLAN



PILE PLAN



SECTION THRU BODY

DO NOT PLACE FILL ABOVE 3'-0" FROM THE BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.

LEGEND

- (1) INDICATES WING NUMBER
- (A01) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.
- (A02) OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6 (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED, COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").
- (A09) WEST ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB SEATED IN PRE-BORED HOLES CORED A MINIMUM OF 3 FEET INTO SOUND GRANITE. PILE DRIVING NOT REQUIRED. TEMPORARY CASING REQUIRED. ESTIMATED 20' LONG.
- (A10) PULL UP TO 2" CLEAR
- (A11) ELEVATION SHOWN AT TOP OF CONCRETE AT C/L OF BRG.
- (A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN.
- (A17) ½" FILLER: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- (A19) 18" RUBBERIZED MEMBRANE WATERPROOFING.
- (A22) A510 BARS @ 1'-0" CTRS. BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

NOTES:

B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY SMS | PLANS CK'D ETP

WEST ABUTMENT

SHEET 4 OF 12

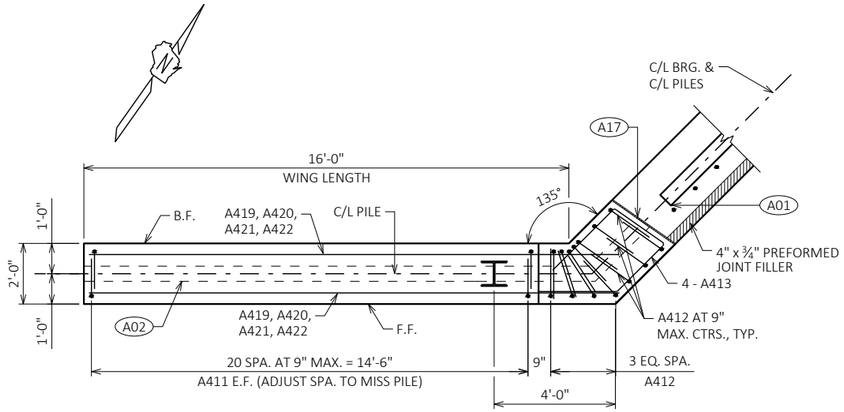
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SCALE =

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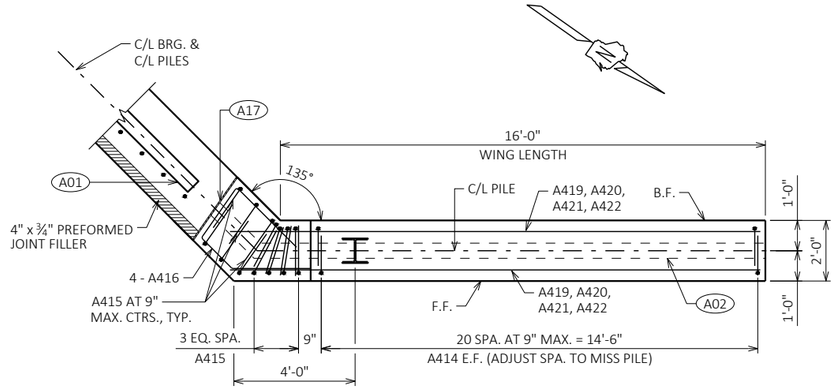
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FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2 NC REGION\6672-01-00_CHESAK RD_MARATHON CO\500_CADD\502_STRUCTURES\503.3_FINAL\080401 WABUT_CHESAK RD.DWG PLOT DATE : 8/6/2026 2:26 PM PLOT BY : SAM SWITTEL



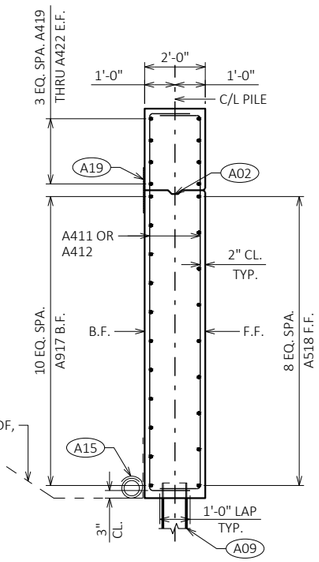
WING 1 PLAN

HORIZONTAL REINF. BELOW SEAT NOT SHOWN FOR CLARITY. SEE PILE PLAN.

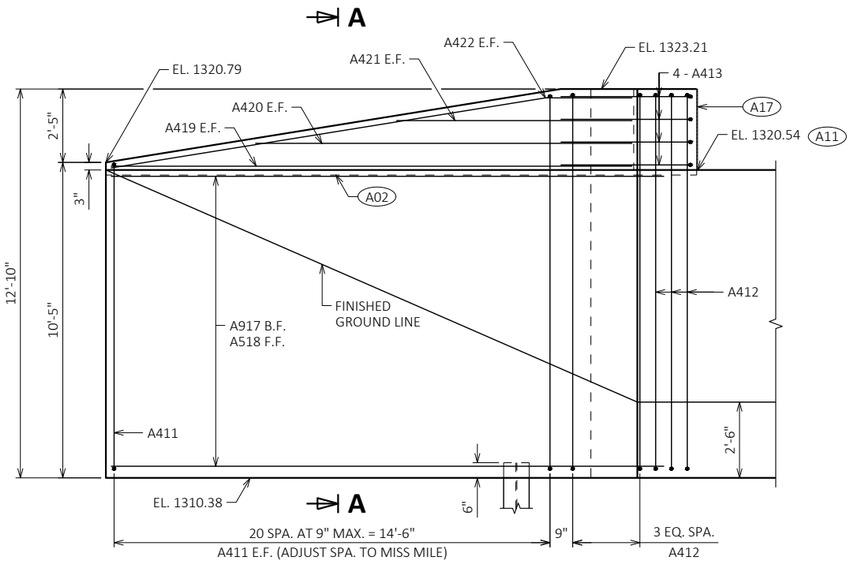


WING 2 PLAN

HORIZONTAL REINF. BELOW SEAT NOT SHOWN FOR CLARITY. SEE PILE PLAN.

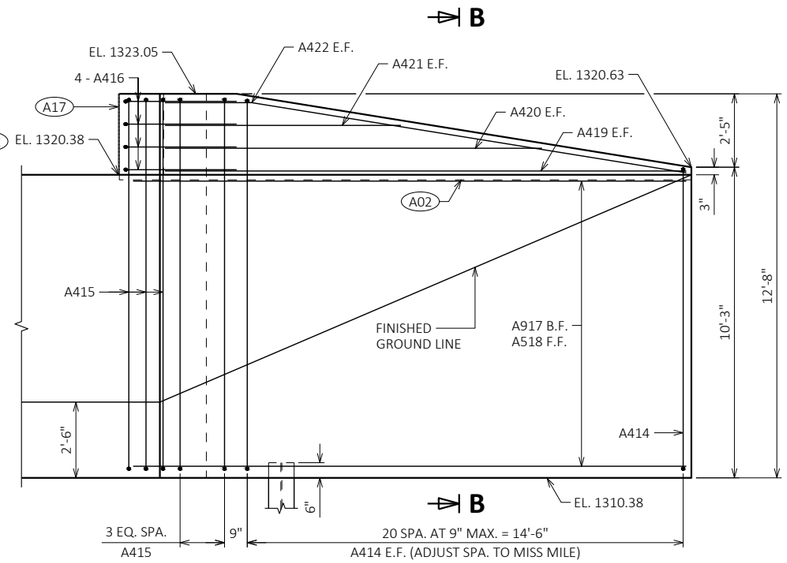


SECTION A-A



WING 1 ELEVATION

SHOWING F.F. OF WING



WING 2 ELEVATION

SHOWING F.F. OF WING

SECTION B-B

LEGEND

- (A01) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.
- (A02) OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6 (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED, COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").
- (A09) WEST ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB SEATED IN PRE-BORED HOLES CORED A MINIMUM OF 3 FEET INTO SOUND GRANITE. PILE DRIVING NOT REQUIRED. TEMPORARY CASING REQUIRED. ESTIMATED 20' LONG.
- (A11) ELEVATION SHOWN AT TOP OF CONCRETE AT C/L OF BRG.
- (A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN.
- (A17) ½" FILLER: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- (A19) 18" RUBBERIZED MEMBRANE WATERPROOFING.

NOTES:

B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STATE PROJECT NUMBER

6672-01-70

STRUCTURE B-37-499

DRAWN BY SMS | PLANS CK'D ETP

WEST ABUTMENT DETAILS - 1

SHEET 5 OF 12

37

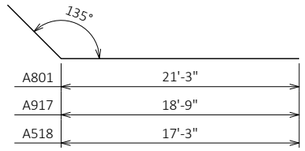
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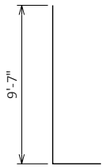
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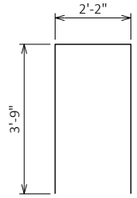
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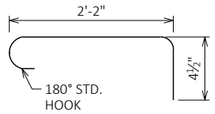
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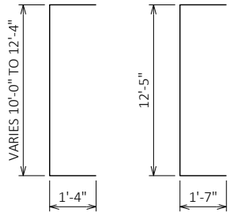
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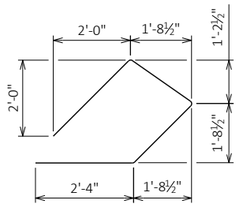
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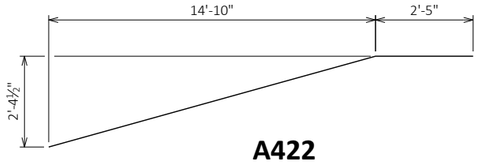
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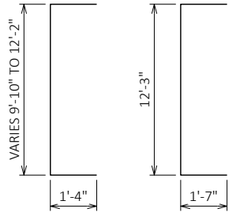
A411 **A412**



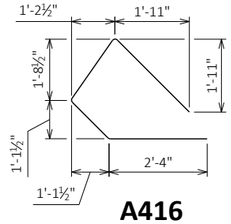
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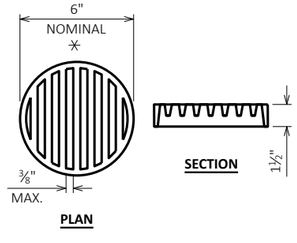
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A414 **A415**



A416



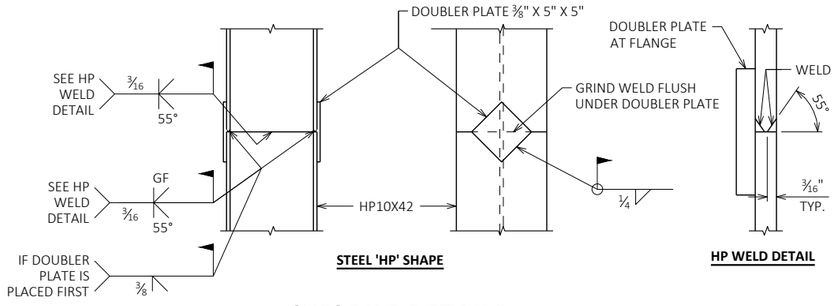
PLAN

RODENT SHIELD DETAIL

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

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

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



STEEL 'HP' SHAPE **HP WELD DETAIL**

'HP' PILE DETAILS

BILL OF BARS - WEST ABUTMENT

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
NON-COATED BARS					TOTAL WEIGHT = 2,410 LBS	
A801	18	22'-9"	X		BODY - B.F.	HORIZ.
A502	18	18'-0"			BODY - F.F.	HORIZ.
A503	56	11'-1"	X		BODY - STIRRUPS	VERT.
A504	28	9'-5"	X		BODY - TOP	VERT.
A405	27	3'-0"	X		BODY -TIES	TRANS.
COATED BARS					TOTAL WEIGHT = 3,170 LBS	
A510	28	2'-0"			BODY - DOWELS	VERT.
⚠ A411	42	13'-8"	X	X	WING 1 - STIRRUPS	VERT.
A412	14	15'-5"	X		WING 1 - STIRRUPS	VERT.
A413	4	9'-5"	X		WING 1 - CORNERS	HORIZ.
⚠ A414	42	13'-6"	X	X	WING 2 - STIRRUPS	VERT.
A415	14	15'-3"	X		WING 2 - STIRRUPS	VERT.
A416	4	8'-7"	X		WING 2 - CORNERS	HORIZ.
A917	22	20'-3"	X		WINGS - B.F.	HORIZ.
A518	18	18'-9"	X		WINGS - F.F.	HORIZ.
A419	4	16'-11"			WINGS - E.F.	HORIZ.
A420	4	12'-2"			WINGS - E.F.	HORIZ.
A421	4	7'-5"			WINGS - E.F.	HORIZ.
A422	4	17'-5"	X		WINGS - E.F.	HORIZ.

THE FIRST DIGIT OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
A411	2 SERIES OF 21	12'-6" TO 14'-10"
A414	2 SERIES OF 21	12'-4" TO 14'-8"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY SMS | PLANS CK'D ETP

WEST ABUTMENT DETAILS - 2

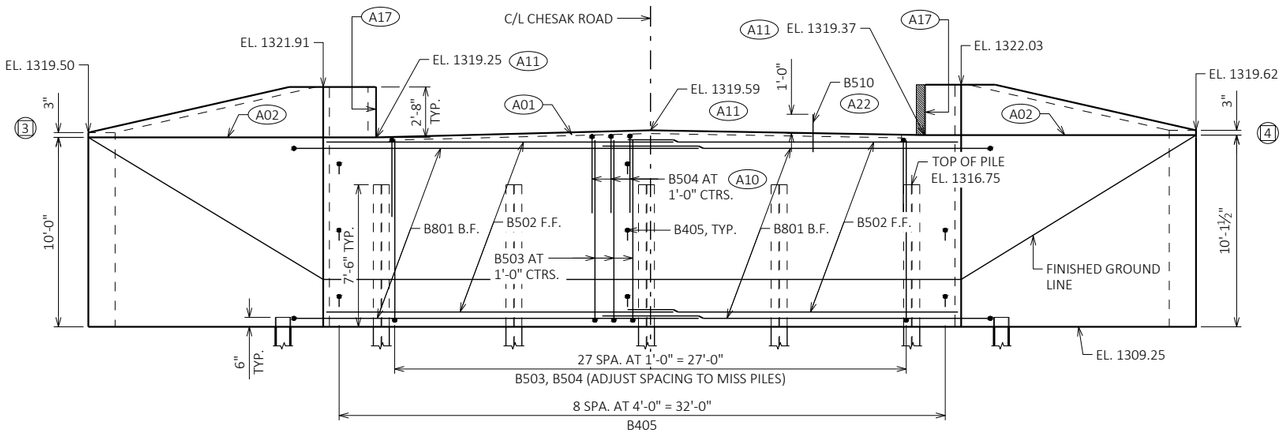
SHEET 6 OF 12
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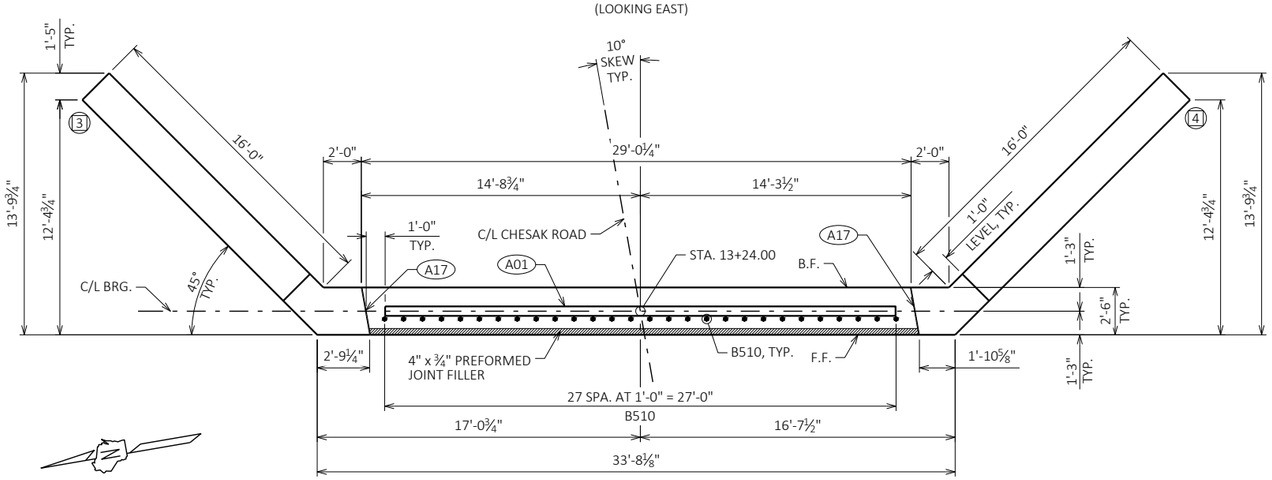
STATE PROJECT NUMBER

6672-01-70

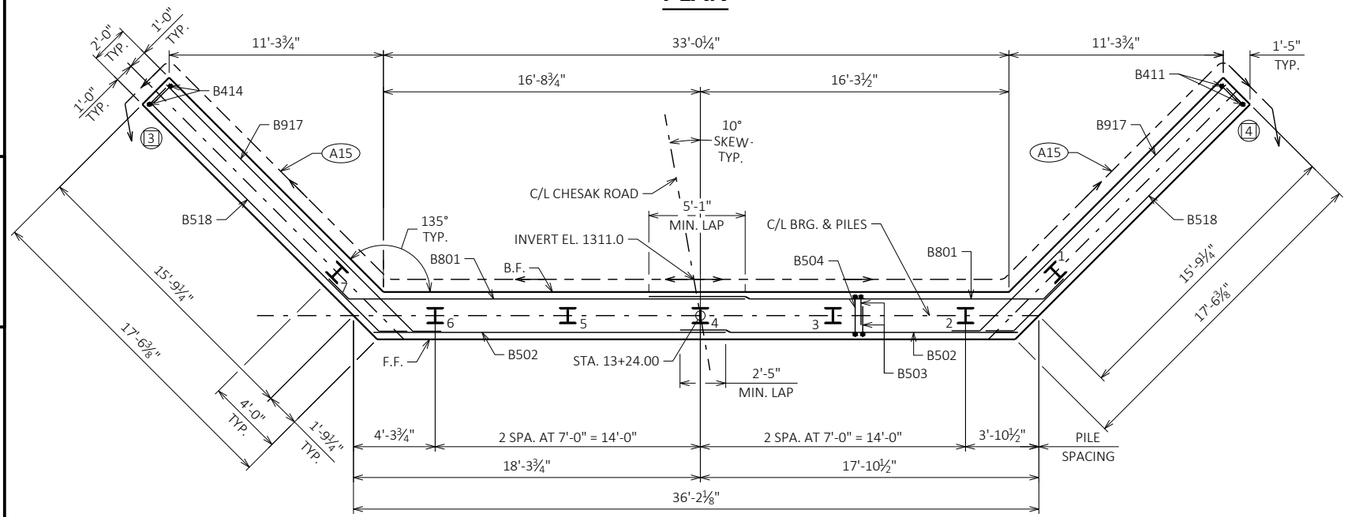


ELEVATION

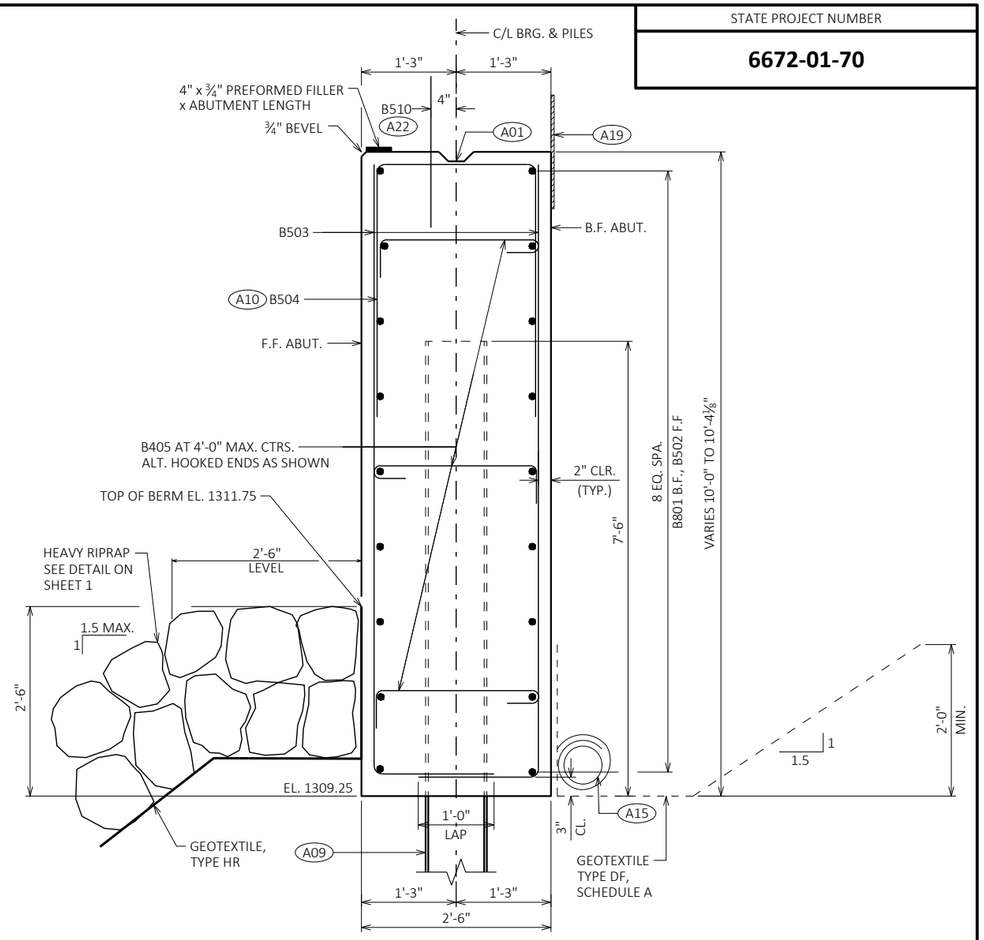
(LOOKING EAST)



PLAN



PILE PLAN



SECTION THRU BODY

DO NOT PLACE FILL ABOVE 3'-0" FROM THE BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.

LEGEND

- (3) INDICATES WING NUMBER
- (A01) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.
- (A02) OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6 (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED, COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").
- (A09) EAST ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB SEATED IN PRE-BORED HOLES CORED A MINIMUM OF 3 FEET INTO SOUND GRANITE. PILE DRIVING NOT REQUIRED. TEMPORARY CASING REQUIRED. ESTIMATED 25' LONG.
- (A10) PULL UP TO 2" CLEAR
- (A11) ELEVATION SHOWN AT TOP OF CONCRETE AT C/L OF BRG.
- (A15) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN.
- (A17) ½" FILLER: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- (A19) 18" RUBBERIZED MEMBRANE WATERPROOFING.
- (A22) B510 BARS @ 1'-0" CTRS. BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

NOTES:

B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
E.F. DENOTES EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY SMS | PLANS CK'D ETP

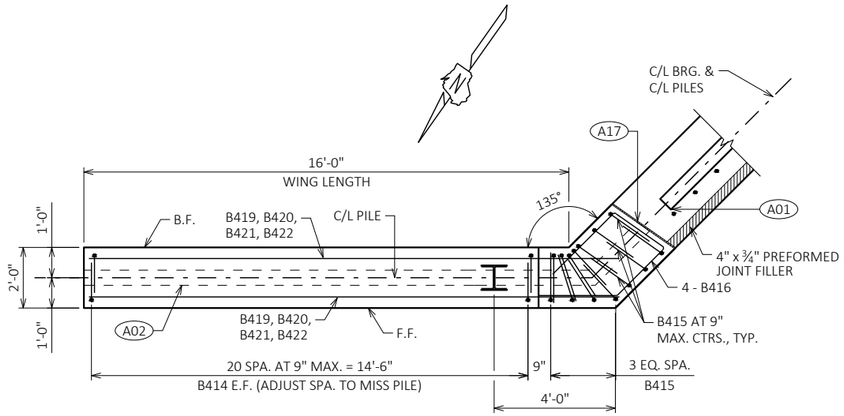
EAST ABUTMENT

SHEET 7 OF 12
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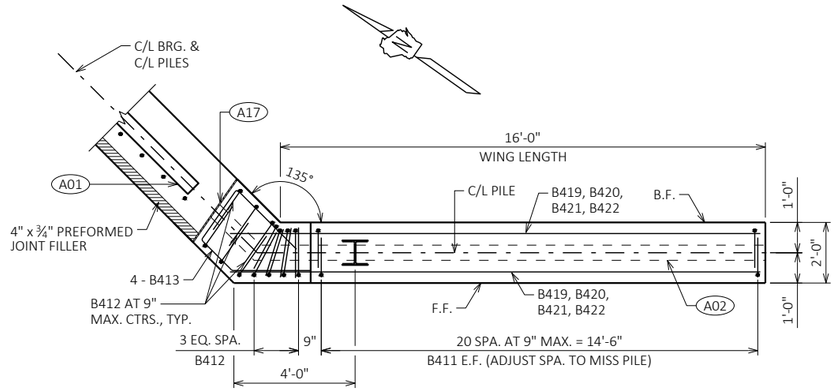
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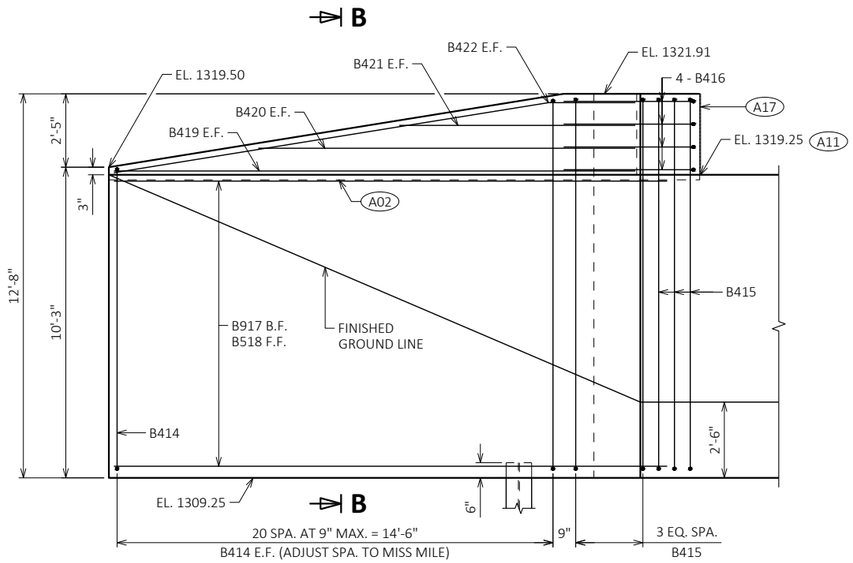
WING 3 PLAN

HORIZONTAL REINF. BELOW SEAT NOT SHOWN FOR CLARITY. SEE PILE PLAN.



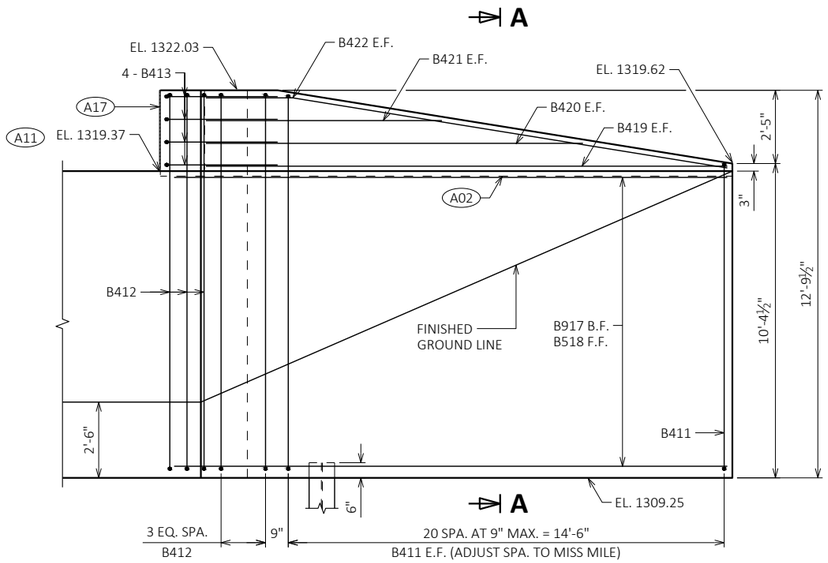
WING 4 PLAN

HORIZONTAL REINF. BELOW SEAT NOT SHOWN FOR CLARITY. SEE PILE PLAN.



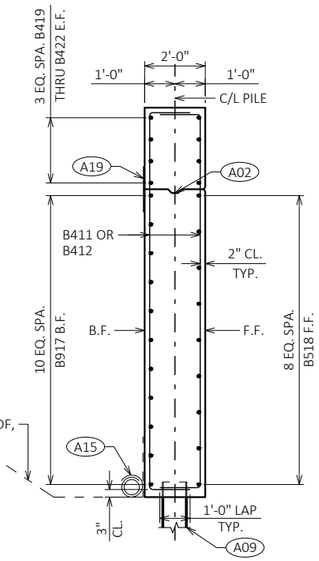
WING 3 ELEVATION

SHOWING F.F. OF WING

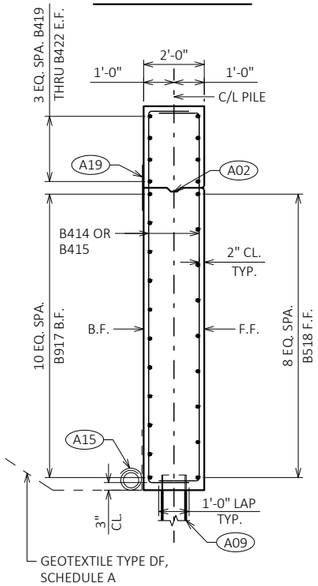


WING 4 ELEVATION

SHOWING F.F. OF WING



SECTION A-A



SECTION B-B

LEGEND

- A01 CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.
- A02 OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6 (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED, COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").
- A09 EAST ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB SEATED IN PRE-BORED HOLES CORED A MINIMUM OF 3 FEET INTO SOUND GRANITE. PILE DRIVING NOT REQUIRED. TEMPORARY CASING REQUIRED. ESTIMATED 25' LONG.
- A11 ELEVATION SHOWN AT TOP OF CONCRETE AT C/L OF BRG.
- A15 PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN.
- A17 ½" FILLER: SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).
- A19 18" RUBBERIZED MEMBRANE WATERPROOFING.

NOTES:

B.F. DENOTES BACK FACE
F.F. DENOTES FRONT FACE
E.F. DENOTES EACH FACE

STATE PROJECT NUMBER

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

DRAWN BY SMS | PLANS CK'D ETP

EAST ABUTMENT DETAILS - 1

SHEET 8 OF 12
40

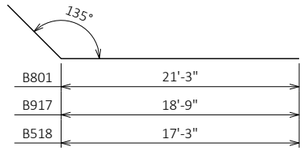
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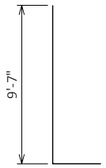
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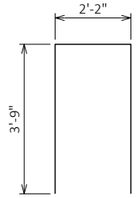
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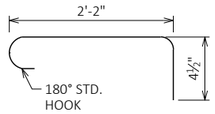
B801, B917, B518



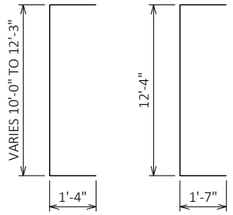
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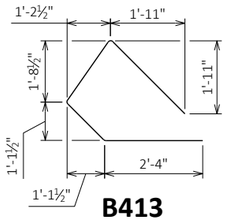
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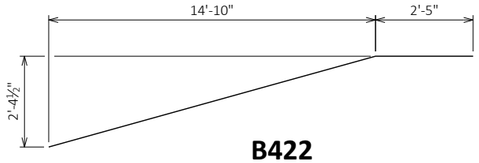
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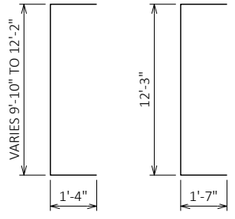
B411 **B412**



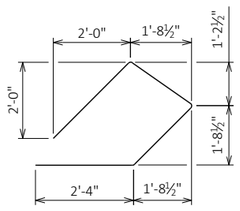
B413



B422



B414 **B415**



B416

BILL OF BARS - EAST ABUTMENT

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
NON-COATED BARS					TOTAL WEIGHT = 2,410 LBS	
B801	18	22'-9"	X		BODY - B.F.	HORIZ.
B502	18	18'-0"			BODY - F.F.	HORIZ.
B503	56	11'-1"	X		BODY - STIRRUPS	VERT.
B504	28	9'-5"	X		BODY - TOP	VERT.
B405	27	3'-0"	X		BODY -TIES	TRANS.
COATED BARS					TOTAL WEIGHT = 3,170 LBS	
B510	28	2'-0"			BODY - DOWELS	VERT.
⚠ B411	42	13'-8"	X	X	WING 4 - STIRRUPS	VERT.
B412	14	15'-4"	X		WING 4 - STIRRUPS	VERT.
B413	4	8'-7"	X		WING 4 - CORNERS	HORIZ.
⚠ B414	42	13'-6"	X	X	WING 3 - STIRRUPS	VERT.
B415	14	15'-3"	X		WING 3 - STIRRUPS	VERT.
B416	4	9'-5"	X		WING 3 - CORNERS	HORIZ.
B917	22	20'-3"	X		WINGS - B.F.	HORIZ.
B518	18	18'-9"	X		WINGS - F.F.	HORIZ.
B419	4	16'-11"			WINGS - E.F.	HORIZ.
B420	4	12'-2"			WINGS - E.F.	HORIZ.
B421	4	7'-5"			WINGS - E.F.	HORIZ.
B422	4	17'-5"	X		WINGS - E.F.	HORIZ.

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

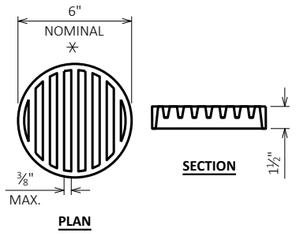
DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
B411	2 SERIES OF 21	12'-6" TO 14'-9"
B414	2 SERIES OF 21	12'-4" TO 14'-8"

BUNDLE AND TAG EACH SERIES SEPARATELY.

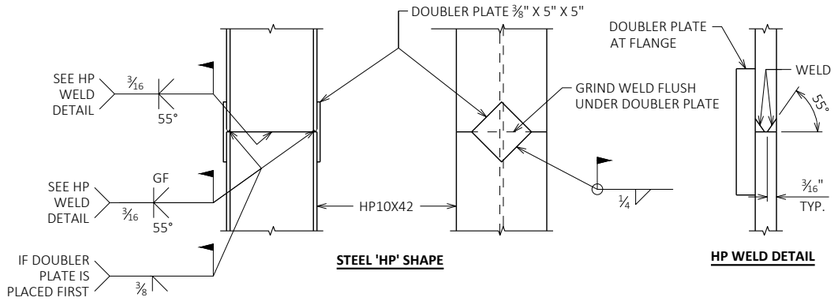


RODENT SHIELD DETAIL

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

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

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



'HP' PILE DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

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EAST ABUTMENT DETAILS - 2

SHEET 9 OF 12

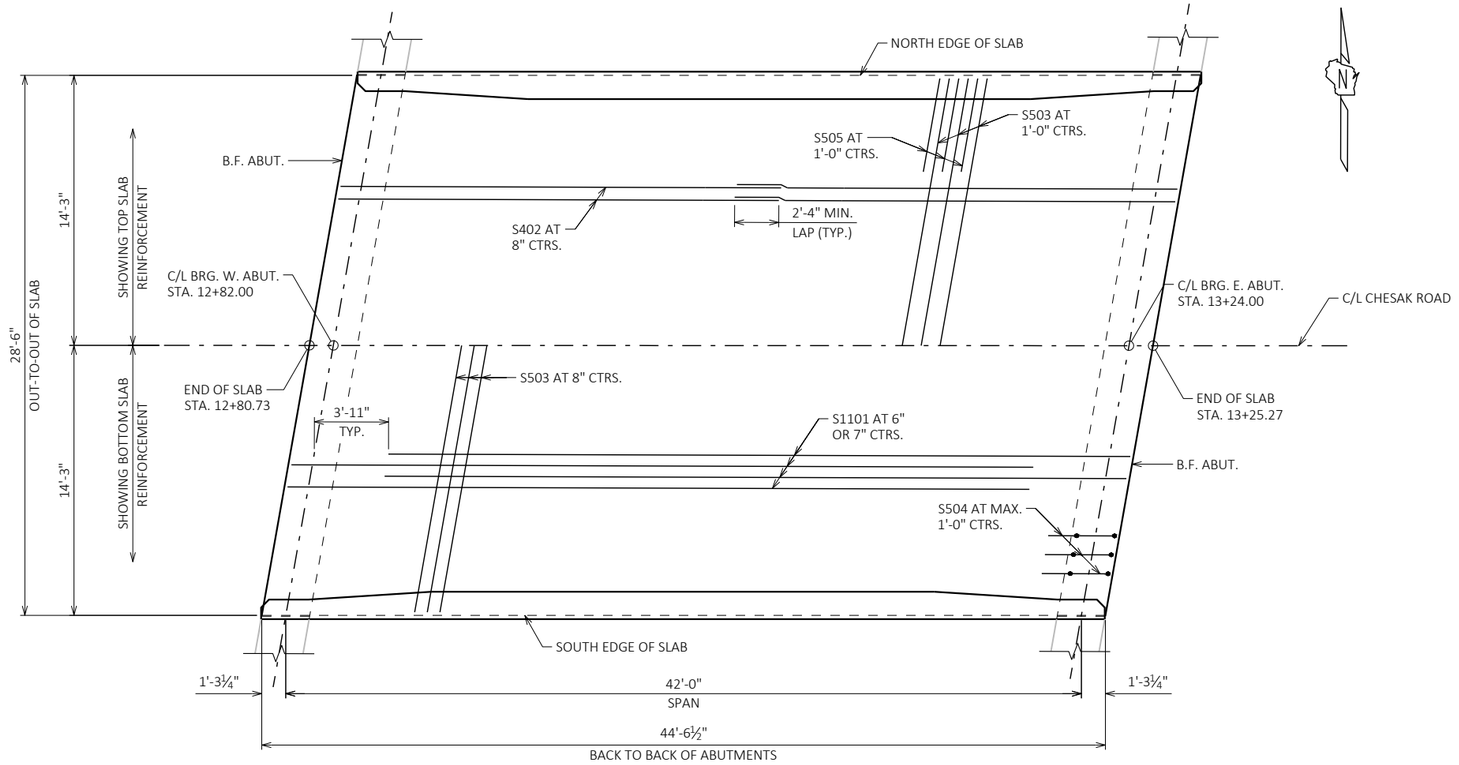
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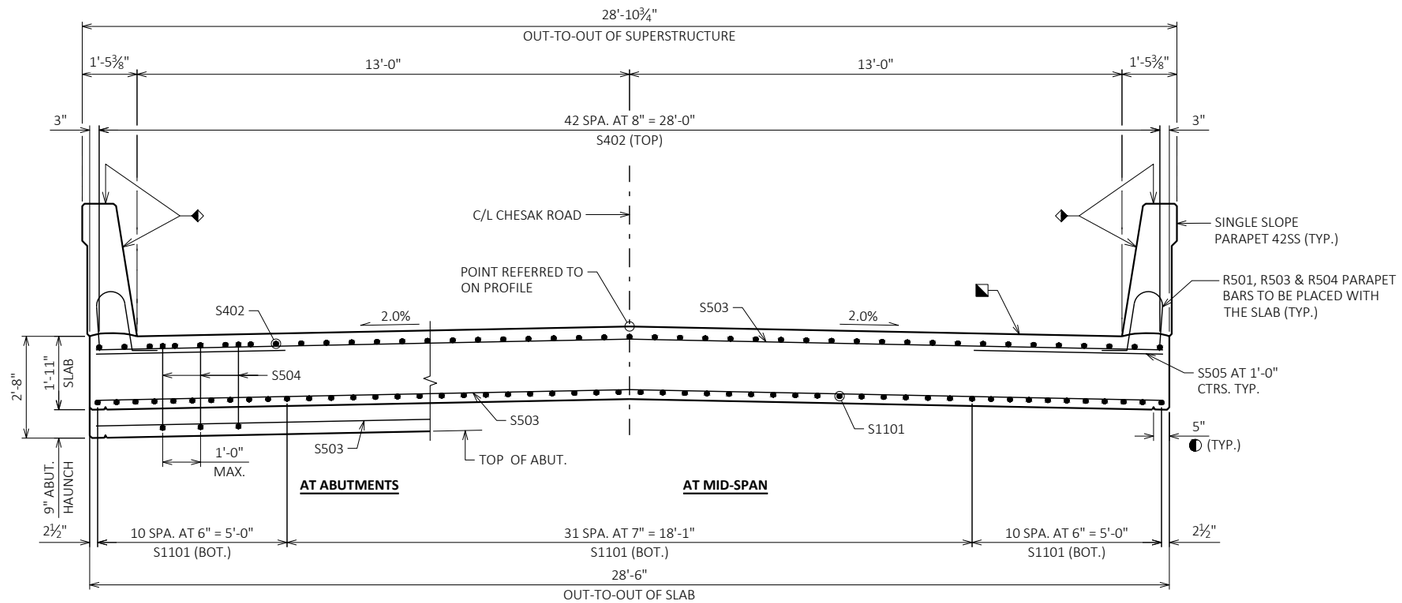
8

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PLAN



TYPICAL SECTION THRU SLAB

(LOOKING EAST)

NOTES:

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

TRANSVERSE BARS SHALL BE PLACED PARALLEL TO THE C/L OF SUBSTRUCTURE UNITS.

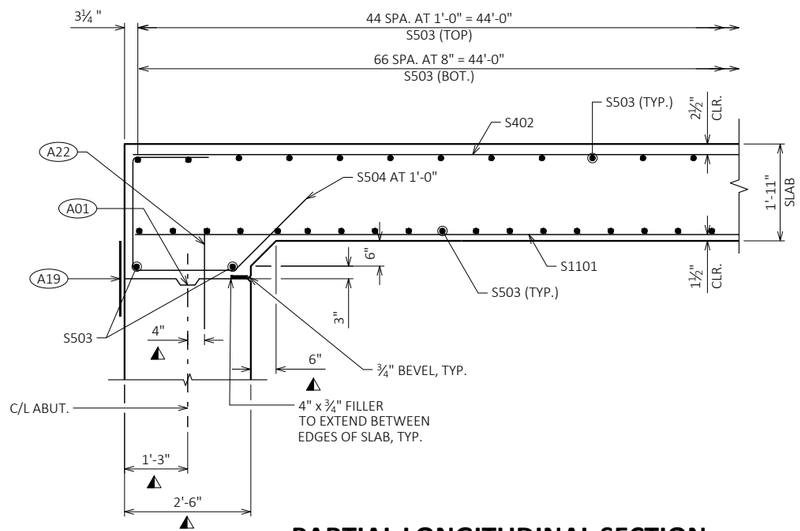
ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES AND CROWN. RECORD ELEVATIONS IN THE "SURVEY TOP OF SLAB ELEVATIONS" TABLE ON THE "SUPERSTRUCTURE DETAILS" SHEET OF THE "AS BUILT" PLANS.

LEGEND

- (A01) CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.
- (A19) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- (A22) A510 OR B510 BARS @ 1'-0" CTRS. BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- ◐ ¾" V-GROOVE REQ'D. EXTEND 6" FROM F.F. OF ABUTMENT BODY.
- ◪ COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER THE STANDARD SPECIFICATIONS.
- ◆ COAT WITH "PIGMENTED SURFACE SEALER" AS PER THE STANDARD SPECIFICATIONS.



PARTIAL LONGITUDINAL SECTION

DIMENSIONS ARE GIVEN PARALLEL TO C/L ROADWAY UNLESS OTHERWISE NOTED.

⚠ MEASURED NORMAL TO THE C/L OF ABUTMENT. DIMENSIONS ARE TYPICAL FOR BOTH ABUTMENTS.

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SUPERSTRUCTURE

SHEET 10 OF 12

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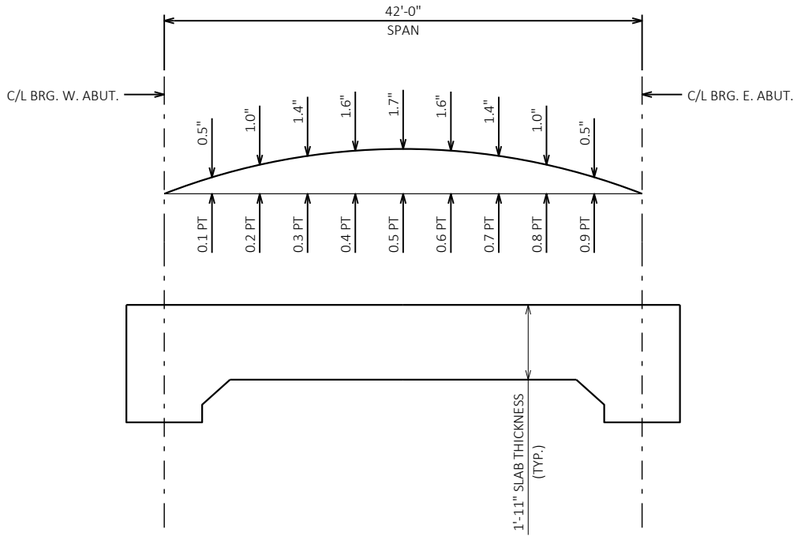
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CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTION.

CAMBER SPANS AS SHOWN ABOVE TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ANY ALLOWANCE FOR FORM SETTLEMENT.

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

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

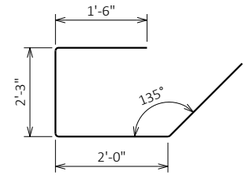
	TOP OF SLAB ELEVATION AT FINAL GRADE
MINUS	SLAB THICKNESS
PLUS	CAMBER
PLUS	FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS	TOP OF SLAB FALSEWORK ELEVATION.

BILL OF BARS - SUPERSTRUCTURE

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
COATED BARS					TOTAL WEIGHT =	16,560 LBS
S1101	52	39'-3"			SLAB - BTM	LONGIT.
S402	86	23'-4"			SLAB - TOP	LONGIT.
S503	116	28'-7"			SLAB - TOP & BTM	TRANS.
S504	58	7'-6"	X		SLAB - ABUT. DIAPHRAGMS	VERT.
S505	88	5'-0"			SLAB - TOP EDGE	TRANS.

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

DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.



S504

TOP OF SLAB ELEVATIONS

LOCATION	W. ABUT.	0.1 PT	0.2 PT	0.3 PT	0.4 PT	0.5 PT	0.6 PT	0.7 PT	0.8 PT	0.9 PT	E. ABUT
NORTH EDGE OF SLAB	1323.08	1322.95	1322.82	1322.70	1322.58	1322.47	1322.36	1322.25	1322.14	1322.04	1321.94
CROWN	1323.41	1323.28	1323.16	1323.04	1322.92	1322.80	1322.68	1322.57	1322.47	1322.36	1322.26
SOUTH EDGE OF SLAB	1323.23	1323.10	1322.97	1322.85	1322.73	1322.61	1322.49	1322.38	1322.27	1322.16	1322.06

SURVEY TOP OF SLAB ELEVATIONS

LOCATION	C/L BRG. W. ABUT.	5/10 PT	C/L BRG. E. ABUT.
NORTH GUTTER			
CROWN			
SOUTH GUTTER			

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

NO.	DATE	REVISION	BY

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STRUCTURE B-37-499

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SUPERSTRUCTURE DETAILS

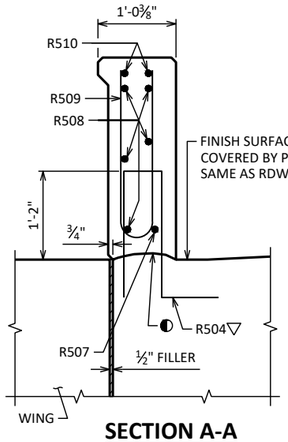
SHEET 11 OF 12

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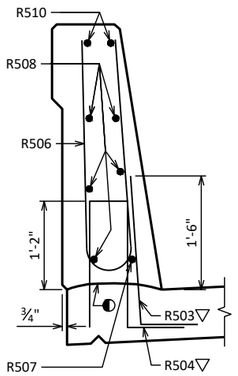
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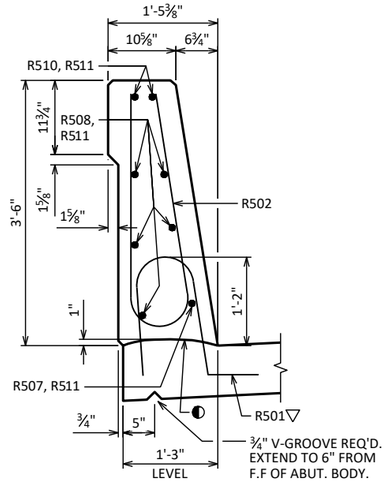
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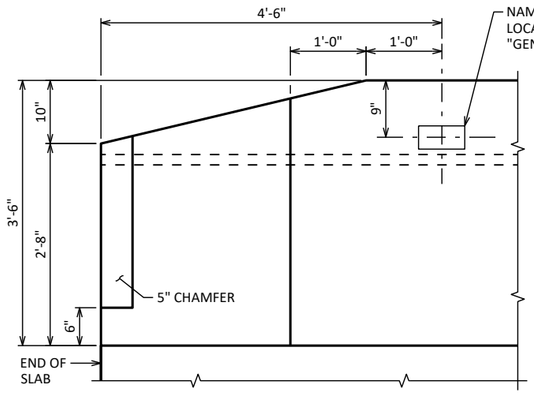
SECTION A-A



SECTION B-B

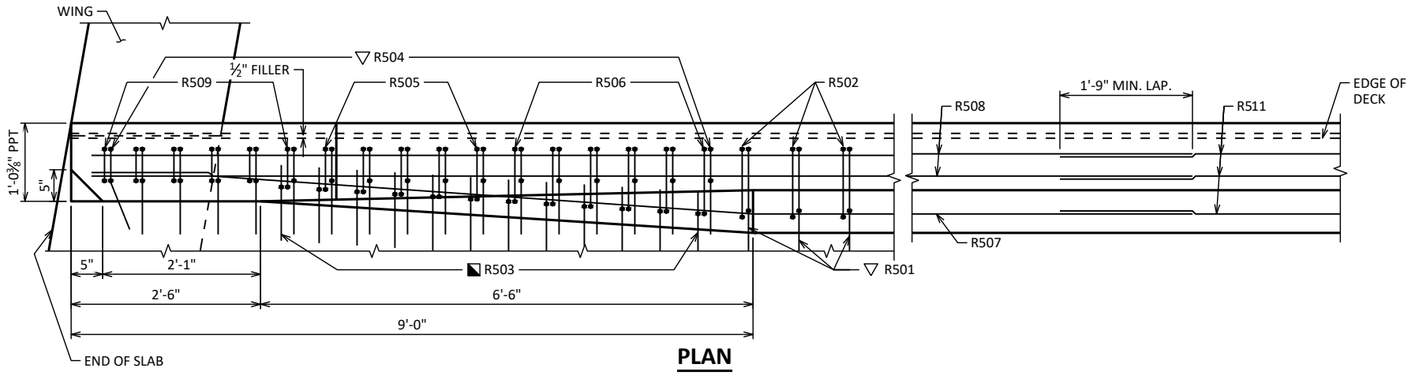


SECTION C-C



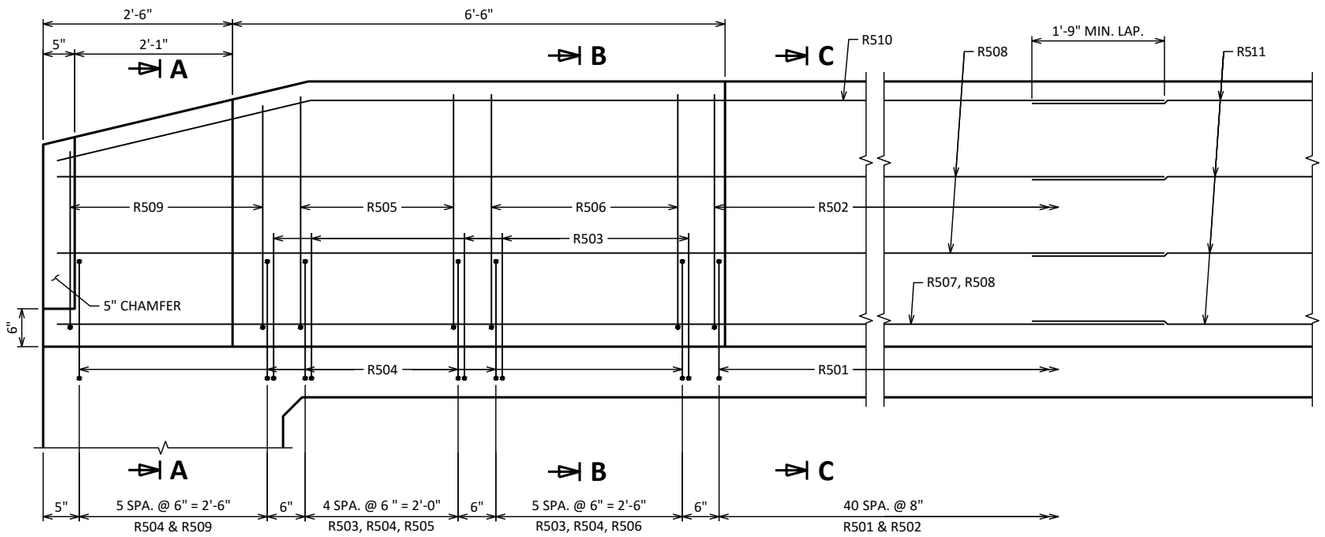
PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET



PLAN

NW CORNER SHOWN, OTHERS SIMILAR



INSIDE ELEVATION

NW CORNER SHOWN, OTHERS SIMILAR

STATE PROJECT NUMBER

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BILL OF BARS - PARAPETS

BAR MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
COATED BARS					TOTAL WEIGHT = 2,620 LBS	
R501	82	4'-5"	X		PARAPET	VERT.
R502	82	6'-8"	X		PARAPET	VERT.
R503	48	2'-9"	X		PARAPET	VERT.
R504	68	4'-4"	X		PARAPET	VERT.
R505	20	6'-5"	X		PARAPET	VERT.
R506	24	6'-6"	X		PARAPET	VERT.
R507	4	15'-9"	X		PARAPET	HORIZ.
R508	20	15'-9"			PARAPET	HORIZ.
⚠ R509	24	5'-5"	X	X	PARAPET	VERT.
R510	8	15'-9"	X		PARAPET	HORIZ.
R511	16	16'-2"			PARAPET	HORIZ.

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

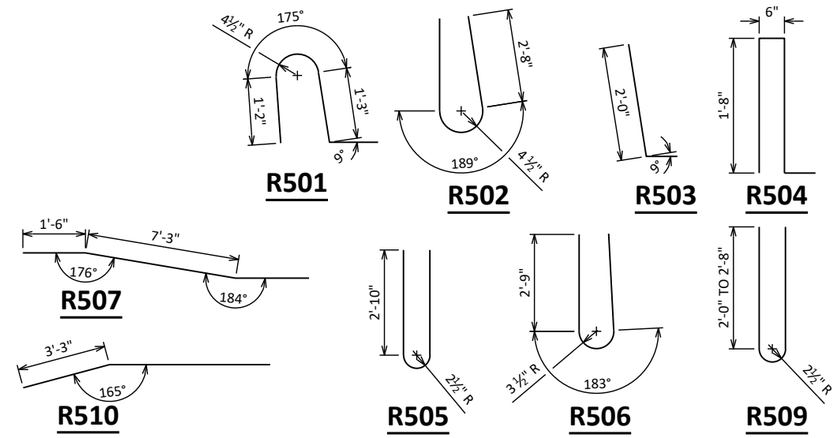
DIMENSIONS IN BENDING DETAILS ARE OUT-TO-OUT OF BAR.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"

BUNDLE AND TAG EACH SERIES SEPARATELY.



◐ CONST. JOINT - STRIKE OFF AS SHOWN

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO SUPERSTRUCTURE STEEL BEFORE SUPERSTRUCTURE IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-37-499

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SINGLE SLOPE PARAPET 42SS

SHEET 12 OF 12

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SCALE = 2.00

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8

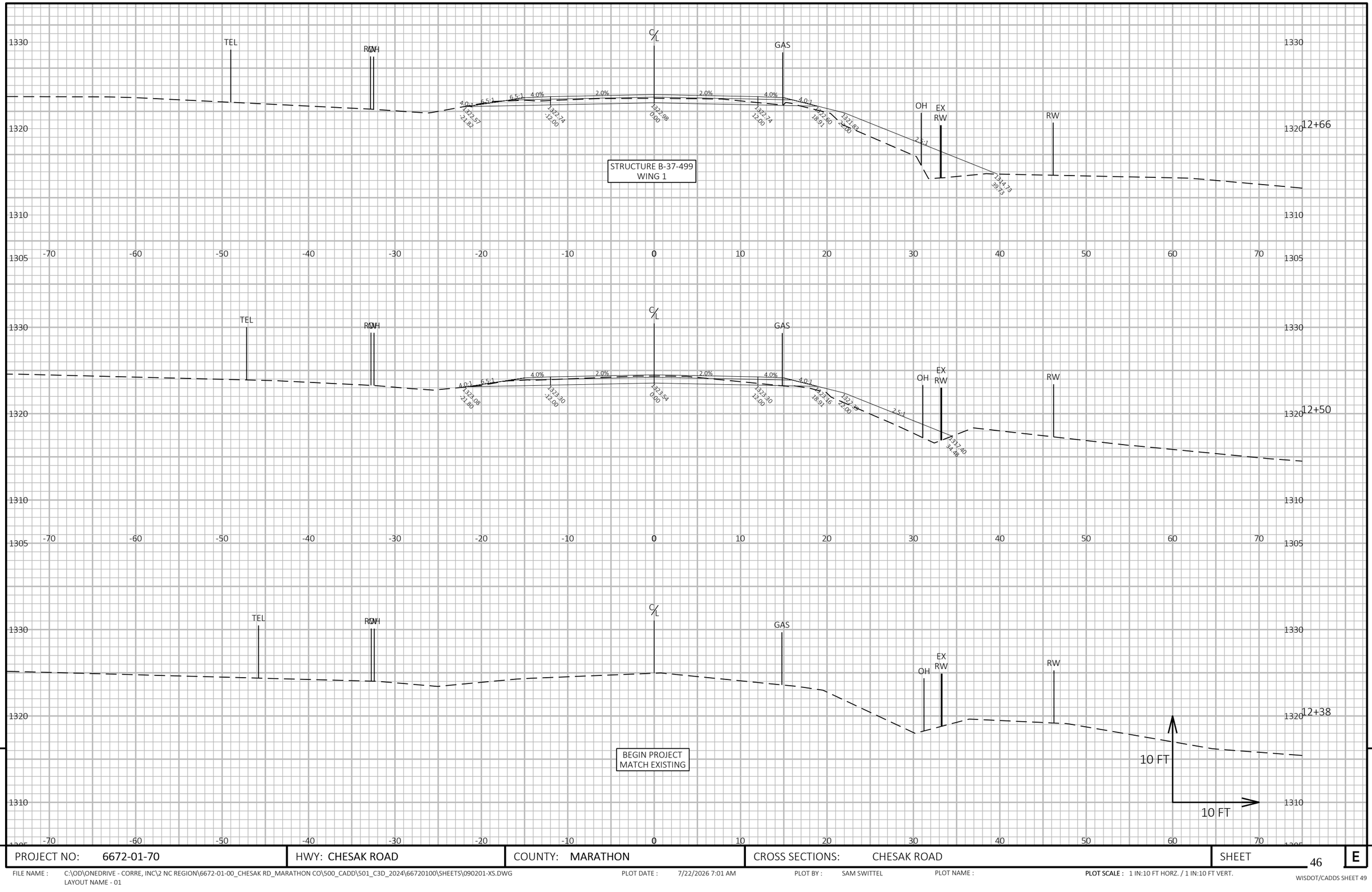
STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
12+38.00	1238.00	0.00	22.05	15.84	0	0	0	0	0	0
12+50.00	1250.00	12	21.19	18.47	10	0	8	10	10	0
12+65.90	1265.90	15.9	18.53	34.44	12	0	16	22	30	-8
12+76.06	1276.06	10.16	14.54	77.71	6	0	21	28	56	-28
STRUCTURE B-37-499										
13+29.94	1329.94	53.88	32.31	77.59	0	0	0	28	56	-28
13+39.82	1339.82	9.88	31.69	56.64	12	0	25	40	88	-48
13+50.00	1350.00	10.18	28.76	47.41	11	0	20	51	113	-62
13+75.00	1375.00	25	21.92	31.88	23	0	37	74	159	-85
14+00.00	1400.00	25	18.75	27.69	19	0	28	93	194	-101
14+25.00	1425.00	25	17.49	23.84	17	0	24	110	224	-114
14+50.00	1450.00	25	16.77	19.57	16	0	20	126	249	-123
14+75.00	1475.00	25	14.89	16.17	15	0	17	141	270	-129
14+78.00	1478.00	3	14.63	16.25	2	0	2	143	273	-130

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - MASS ORDINATE	(CUT - SALVAGED PAVT) - (FILL*FILL FACTOR)

9

9

PROJECT NO: 6672-01-70 | HWY: CHESAK ROAD | COUNTY: MARATHON | EARTHWORK DATA | SHEET 45 | E



9

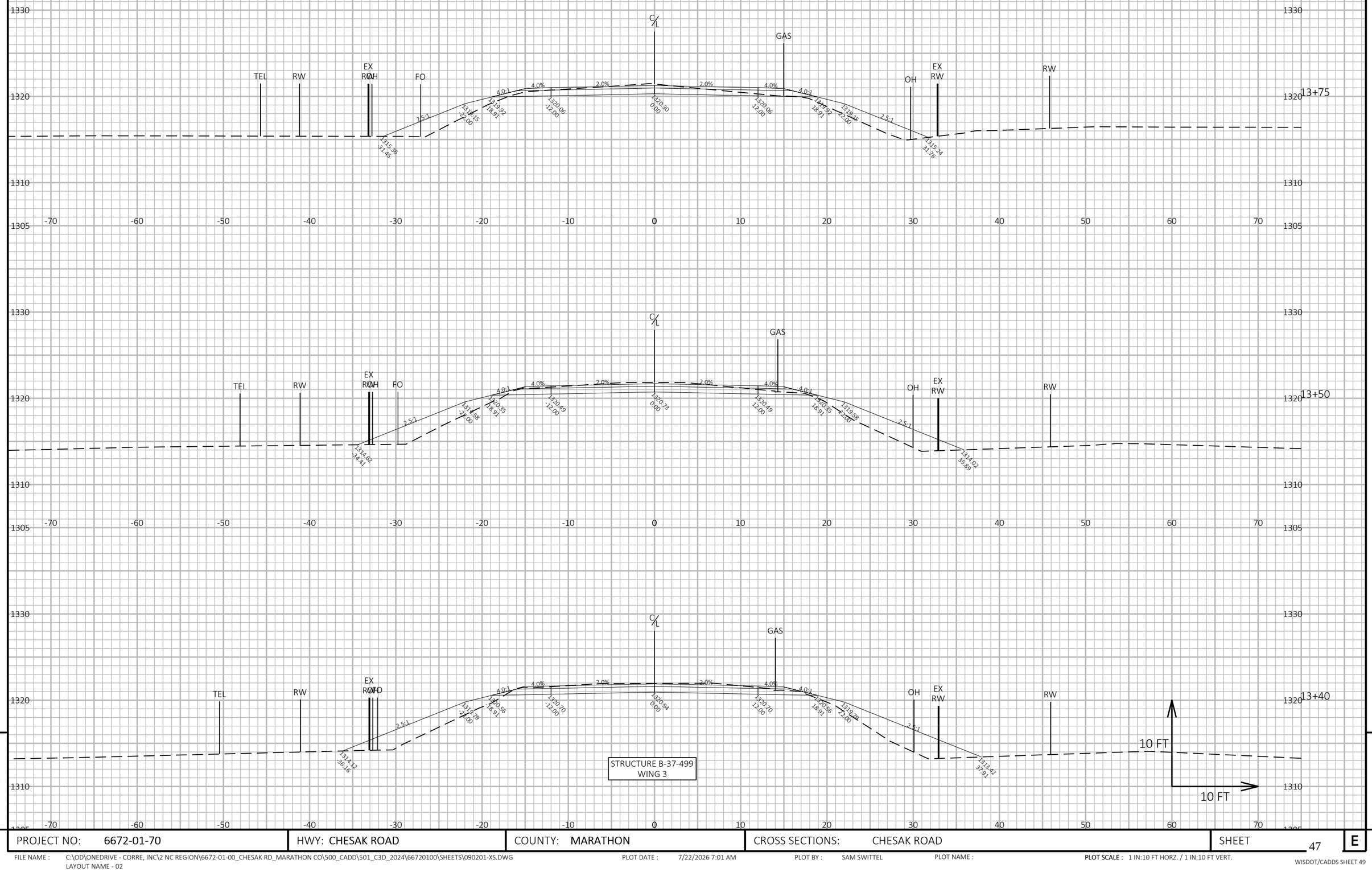
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PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	CROSS SECTIONS: CHESAK ROAD	SHEET 46	E

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LAYOUT NAME - 01

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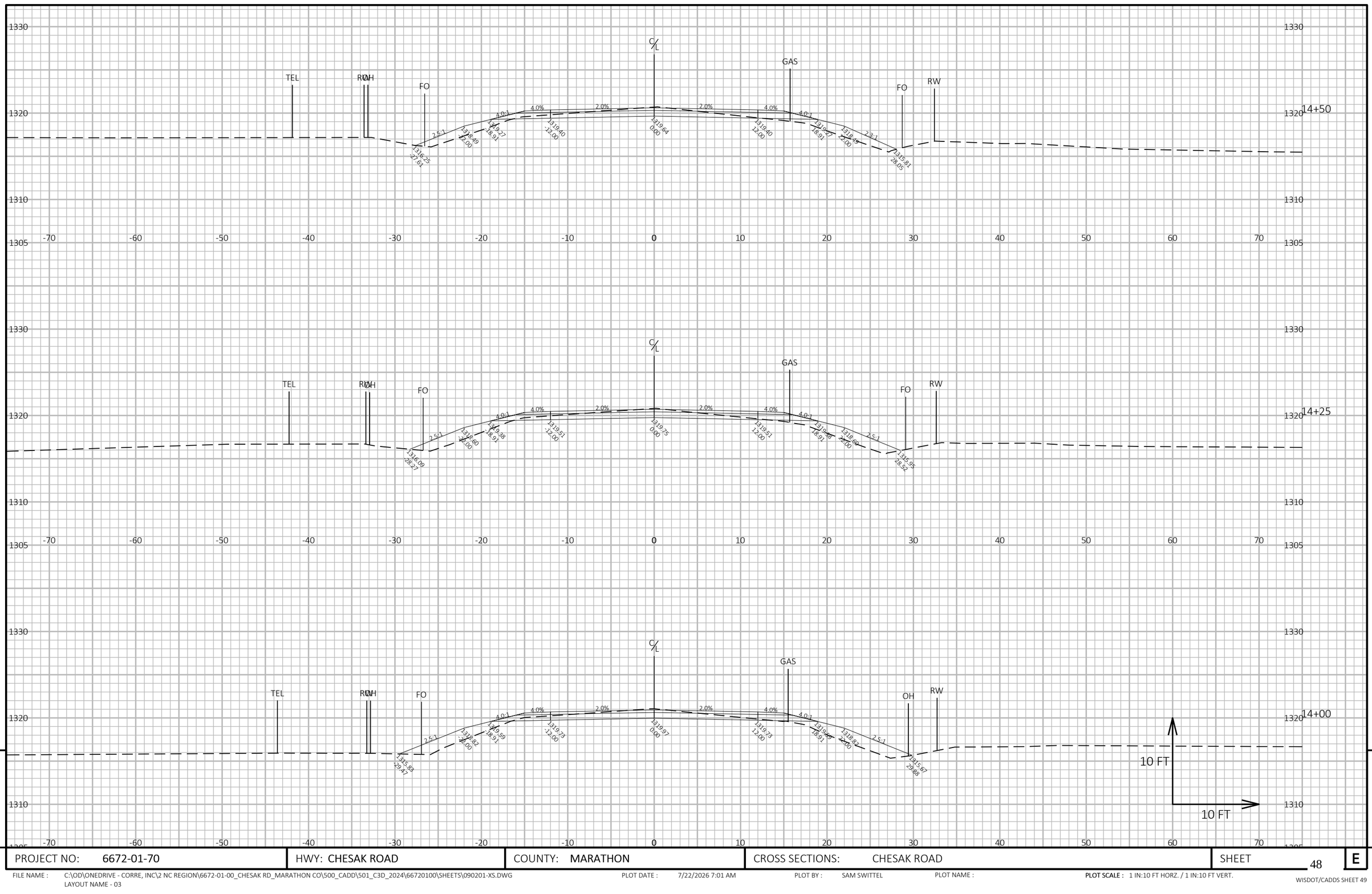
WISDOT/CADDS SHEET 49



PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	CROSS SECTIONS: CHESAK ROAD	SHEET 47 E

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PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	CROSS SECTIONS: CHESAK ROAD	SHEET 48	E

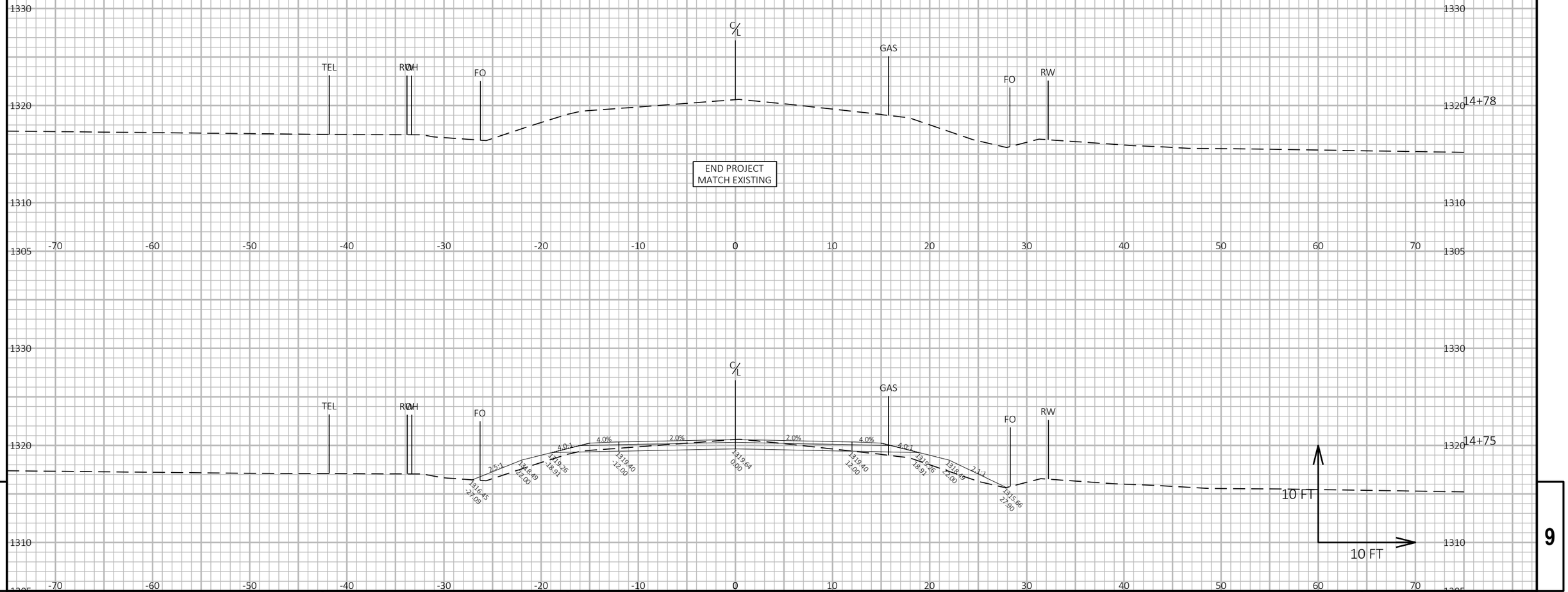
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LAYOUT NAME - 03

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PLOT BY : SAM SWITTEL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 6672-01-70	HWY: CHESAK ROAD	COUNTY: MARATHON	CROSS SECTIONS: CHESAK ROAD	SHEET 49	E

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LAYOUT NAME - 04

PLOT DATE : 7/22/2026 7:01 AM

PLOT BY : SAM SWITTEL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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