PROJECT ID: WITH: N/A

905-00-70

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### NOVEMBER 2021

ORDER OF SHEETS

Gection 140.	1	11116
Section No.	2	Typical Sections and Detai
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities

Right of Way Plat

Section No. Plan and Profile (Includes Erosion Control Plans)

Standard Detail Drawings Section No.

Structure Plans Computer Earthwork Data

Section No. Cross Sections

52 TOTAL SHEETS =

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

### **OSSEO - EAU CLAIRE**

**BRANCH OTTER CREEK CULVERT C-18-0052** 

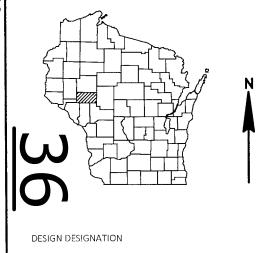
### **USH 53 EAU CLAIRE COUNTY**

STATE PROJECT NUMBER 7905-00-70

R-8-W

STEINKE

**ECHO** 



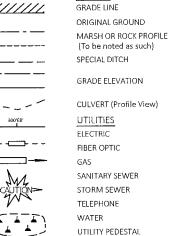
A.A.D.T. 2022 = 2700 A.A.D.T. 2042 = 10.4 D.H.V. = 60/40 D.D. = 12.4% DESIGN SPEED ≈ 55 MPH = 605.900 ESALS

### CONDUCTION AL CVARDOLO

CONVENTIONAL SYMBOLS	
PLAN	
CORPORATE LIMITS	1/1
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	L_
EXISTING RIGHT OF WAY	—
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	<b>-</b> 0

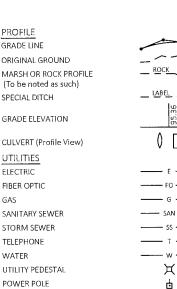
MARSH AREA

WOODED OR SHRUB AREA

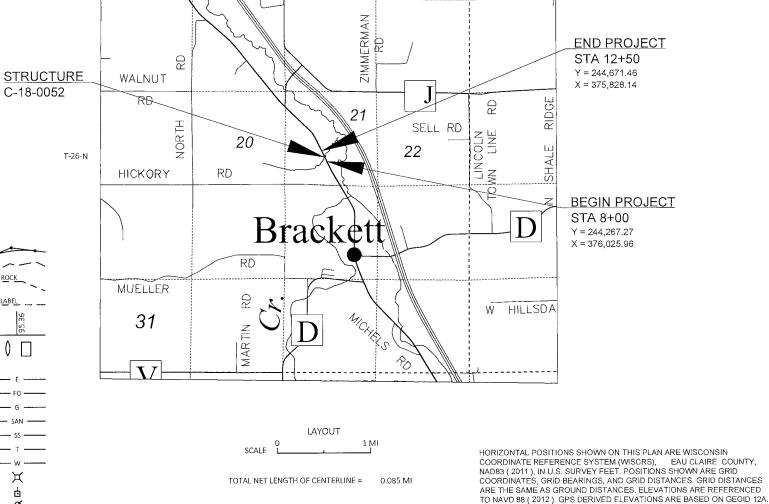


TELEPHONE POLE

**PROFILE** 

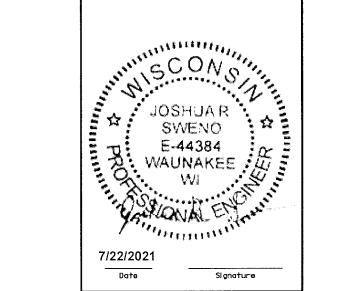


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FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2022027 7905-00-70 1





### STATE OF WISCONSIN

Surveyor	MSA PROFESSIONAL SERVICES
Designer	MSA PROFESSIONAL SERVICES
Project Manager	NATHAN ULNESS
Regional Examiner	NW REGION
Regional Supervisor	JAMES KOENIG
APPROVED FOR THE DEPARTM	MENT ///

### STANDARD ABBREVIATIONS

AC	ACRE	F/L	FLOW LINE	SALV	SALVAGED
AGG	AGGREGATE	FT	FOOT	SAN	SANITARY SEWER
<	ANGLE	GN	GRID NORTH	SECT	SECTION
ASPH	ASPHALTIC	HR	HANDICAP RAMP	SHLDR	SHOULDER
AC	ASPHALT CEMENT	HT	HEIGHT	SW	SIDEWALK
ADT	AVERAGE DAILY TRAFFIC	CWT	HUNDREDWEIGHT	S	SOUTH
B & B	BALLED AND BURLAPPED	HYD	HYDRANT	SB	SOUTHBOUND
BM	BENCH MARK	IN DIA	INCH DIAMETER	SPECS	SPECIFICATIONS
CB	CATCH BASIN	INL	INLET	SQ	SQUARE
`OR C/L	CENTER LINE	ID	INSIDE DIAMETER	SF OR SQ FT	SQUARE FEET
C-C	CENTER TO CENTER	I	INTERSECTION ANGLE	SY	SQUARE YARD
CONC	CONCRETE	ΙĒ	INVERT ELEVATION	SSPRC	STORM SEWER
CO	COUNTY	IP	IRON PIPE OR PIN		PIPE REINFORCED CONCRETE
CTH	COUNTY TRUNK HIGHWAY	JCT	JUNCTION	STD	STANDARD
CY	CUBIC YARD	L	LENGTH OF CURVE	SDD	STANDARD DETAIL DRAWINGS
CULV	CULVERT	LF	LINEAR FOOT	STH	STATE TRUNK HIGHWAYS
CP	CULVERT PIPE	LC	LONG CHORD OF CURVE	STA	STATION
CPRC	CULVERT PIPE	LCB	LONG CHORD BEARING	SS	STORM SEWER
	REINFORCED CONCRETE	LS	LUMP SUM	T	TANGENT
C & G	CURB AND GUTTER	MH	MANHOLE	TEL	TELEPHONE
D	DEGREE OF CURVE	N	NORTH	TEMP	TEMPORARY
DHV	DESIGN HOUR VOLUME	Υ	NORTH GRID COORDINATE	TLE	TEMPORARY LIMITED EASEMENT
DIA OR I	DIAMETER	OE	OUTLET ELEVATION	T	TON
DIST	DISTRICT	OL	OUT LOT	TC	TOP OF CURB
DWY	DRIVEWAY	OD	OUTSIDE DIAMETER	TN	TOWN
E	EAST	ОН	OVERHEAD LINES	TRANS	TRANSITION
X	EAST GRID COORDINATE	PAVT	PAVEMENT	T	TRUCKS (percent of)
EB	EASTBOUND	PLE	PERMANENT LIMITED EASEMENT	TYP	TYPICAL
ELEC	ELECTRIC	PC	POINT OF CURVATURE	UNCL	UNCLASSIFIED
EL OR ELEV	ELEVATION	PI	POINT OF INTERSECTION	USH	UNITED STATES HIGHWAY
EMB	EMBANKMENT	PT	POINT OF TANGENCY	VAR	VARIABLE
EW	ENDWALL	PCC	PORTLAND CEMENT CONCRETE	VERT	VERTICAL
ESALS	EQUIVALENT SINGLE	LB	POUND	VC	VERTICAL CURVE
	AXLE LOADS	PE	PRIVATE ENTRANCE	VOL	VOLUME
EXC	EXCAVATION	R OR RAD	RADIUS	WM	WATER MAIN
EBS	EXCAVATION BELOW	RR	RAILROAD	WV	WATER VALVE
	SUBGRADE	R	RANGE	W	WEST
EXIST	EXISTING	~ OR R/L	REFERENCE LINE	WB	WESTBOUND
EXP	EXPANSION	REQD	REQUIRED	YD	YARD
F-F	FACE TO FACE	RT	RIGHT		
FERT	FERTILIZER	R/W	RIGHT-OF-WAY		
FE	FIELD ENTRANCE	RD	ROAD		

### **RUNOFF COEFFICIENT TABLE**

						HYDROLOGI	C SOIL GROU	JP						
		А			В			С			D			
	SLC	DPE RANG	E (PERCENT)	SLOPI	E RANGE	(PERCENT)	SLOI	PE RANGE	(PERCENT)	SLOF	SLOPE RANGE (PERCENT)			
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER		
ROW CROPS	.08	.16	.22	.12	.20	.27 .44	.15 .30	.24	.33 .50	.19	.28	.38 .56		
MEDIAN STRIP-	.22	.30	.38	.19	.22	.26	.20		.30	.20	.25	.30		
TURF	.19 .24	.20 .26	.24 .30	.25	.28	.33	.26	.23	.37	.27	.32	.40		
SIDE SLOPE: TURF			.25 .32			.27 .34			.28 .36			.30 .38		
PAVEMENT:	L			1					•	L				
ASPHALT						.7095								
CONCRETE						.8095								
BRICK						.7080						·		
DRIVES, WALKS						.7585								
ROOFS						.7595								
GRAVEL ROADS, SH	OULDERS				•	.4060	•			•	•	-		

TOTAL PROJECT AREA = 0.97 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.97 ACRES

### ORDER OF TYPICAL SECTION & **DETAIL SHEETS**

- GENERAL NOTES
- 2. TYPICAL SECTIONS
- 3. PROJECT CONTROL POINTS, TIES, AND COORDINATES
- 4. TRAFFIC CONTROL, DETOUR
- 5. TRAFFIC CONTROL, ALTERNATE ROUTE

#### **DNR LIASON**

WISCONSIN DEPARTMENT OF NATURAL RESOURCES ATTN: LEAH NICOL DNR WEST CENTRAL REGION HEADQUARTERS 1300 WEST CLAIREMONT AVENUE EAU CLAIRE, WI 54701 715-934-9014 LEAH.NICOL@WISCONSIN.GOV

### MSA DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC ATTN: JOSH SWENO, P.E. 1230 SOUTH BOULEVARD BARABOO, WI 53913 608-355-8852 JSWENO@MSA-PS.COM

#### WISDOT CONTACT

WISCONSIN DEPARTMENT OF TRANSPORTATION ATTN: NATHAN ULNESS, PROJECT MANAGER 718 W CLAIREMONT AVENUE EAU CLAIRE, WI 54701 715-563-4631 NATHAN.ULNESS@DOT.WI.GOV

#### UTILITIES

BURIED FIBER: CHARTER COMMUNICATIONS ATTN: SHANE YODER 1201 MCCANN DRIVE ALTOONA, WI 54720 PHONE: 715-831-8940 EMAIL: SHANE.YODER@CHARTER.COM

BURIED ELECTRIC: EAU CLAIRE ENERGY COOPERATIVE ATTN: PATRICK BETHKE 8214 HWY 12 P.O. BOX 368 FALL CREEK, WI 54742-0368 PHONE: 715-832-1603 EMAIL: PBETHKE@ECEC.COM

BURIED TELEPHONE: CENTURYLINK ATTN: BRET CLARK 311 SOUTH COURT STREET SPARTA, WI 54656 PHONE: 608-269-0819 EMAIL: BRET.CLARK@CENTURYLINK.COM

Dial [31] or (800)242-8511

www.DiggersHotline.com

### **GENERAL NOTES**

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND STABILIZED WITH EROSION MAT OR RIPRAP HEAVY AS DIRECTED BY THE ENGINEER.

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

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

THE 5.75" ASPHALTIC SURFACE SHALL CONSIST OF A  $2\frac{1}{2}$ " UPPER LAYER, AND A  $3\frac{1}{4}$ " LOWER LAYER. USE 12.5MM NOMINAL AGGREGATE FOR BOTH LAYER. A 4-MT 58-34 S MIX SHALL BE USED.

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

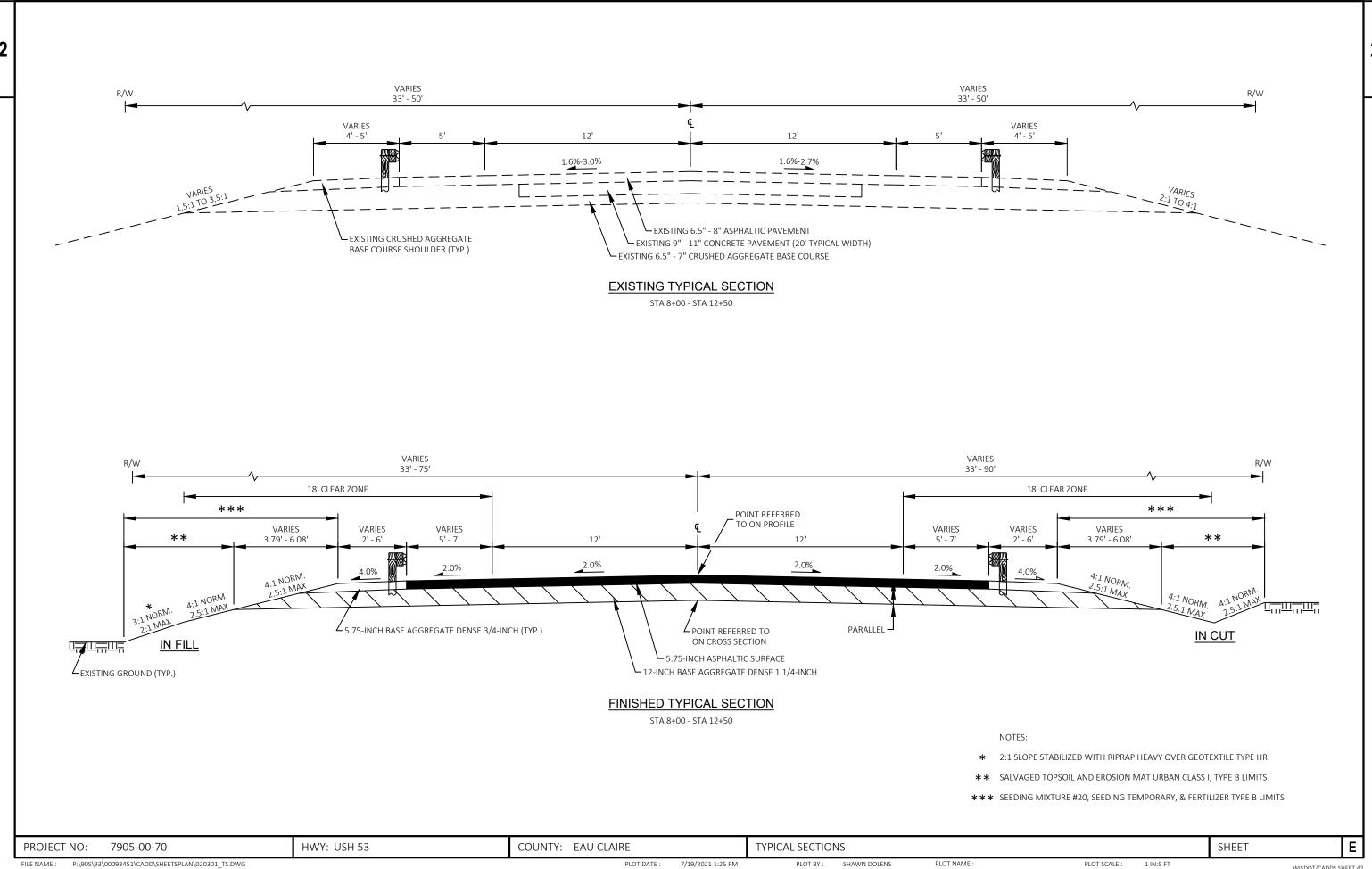
WETLANDS ARE NOT PRESENT.

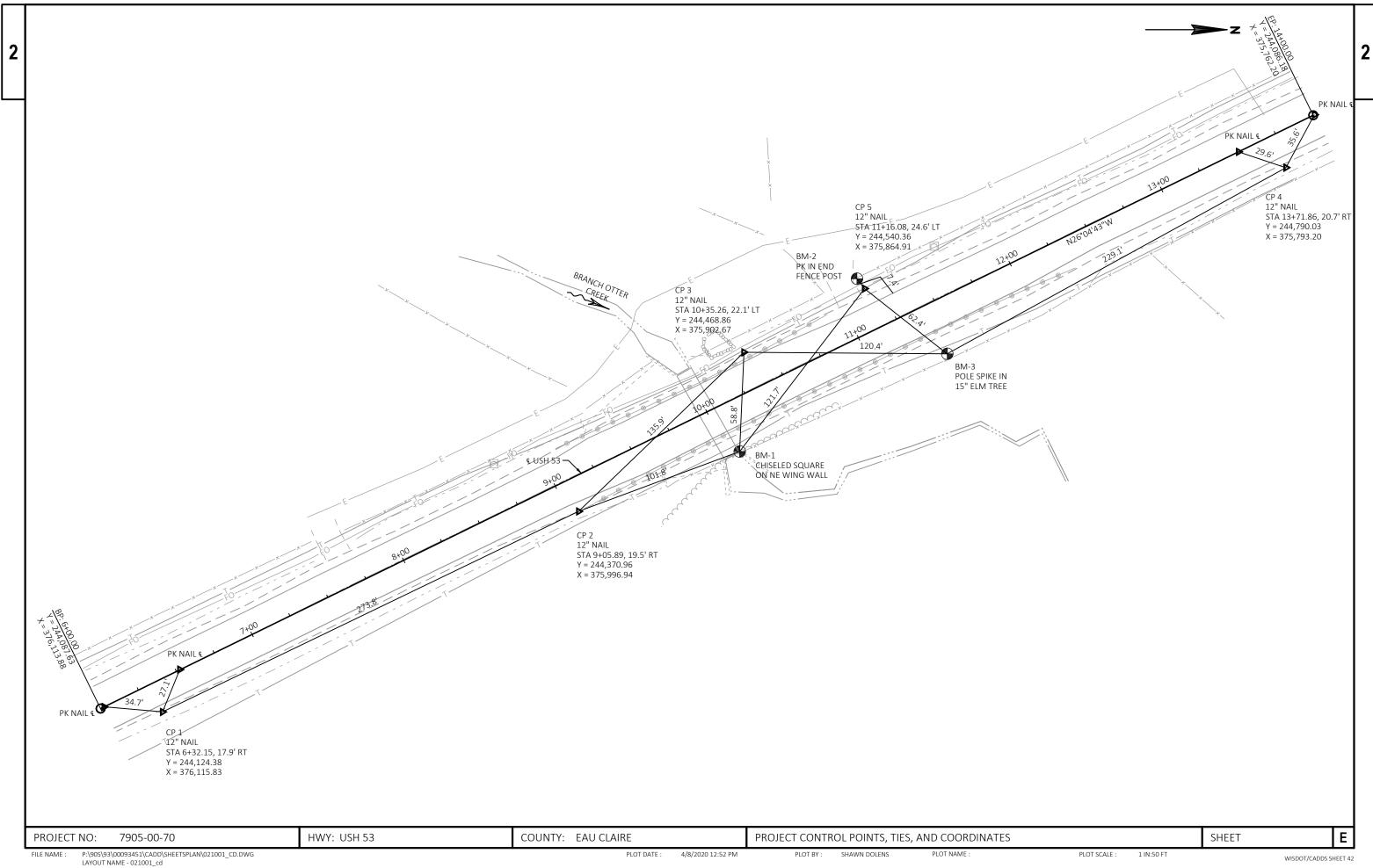
PROJECT NO: 7905-00-70 HWY: USH 53 COUNTY: EAU CLAIRE GENERAL NOTES, ABBREVIATIONS, & UTILITIES

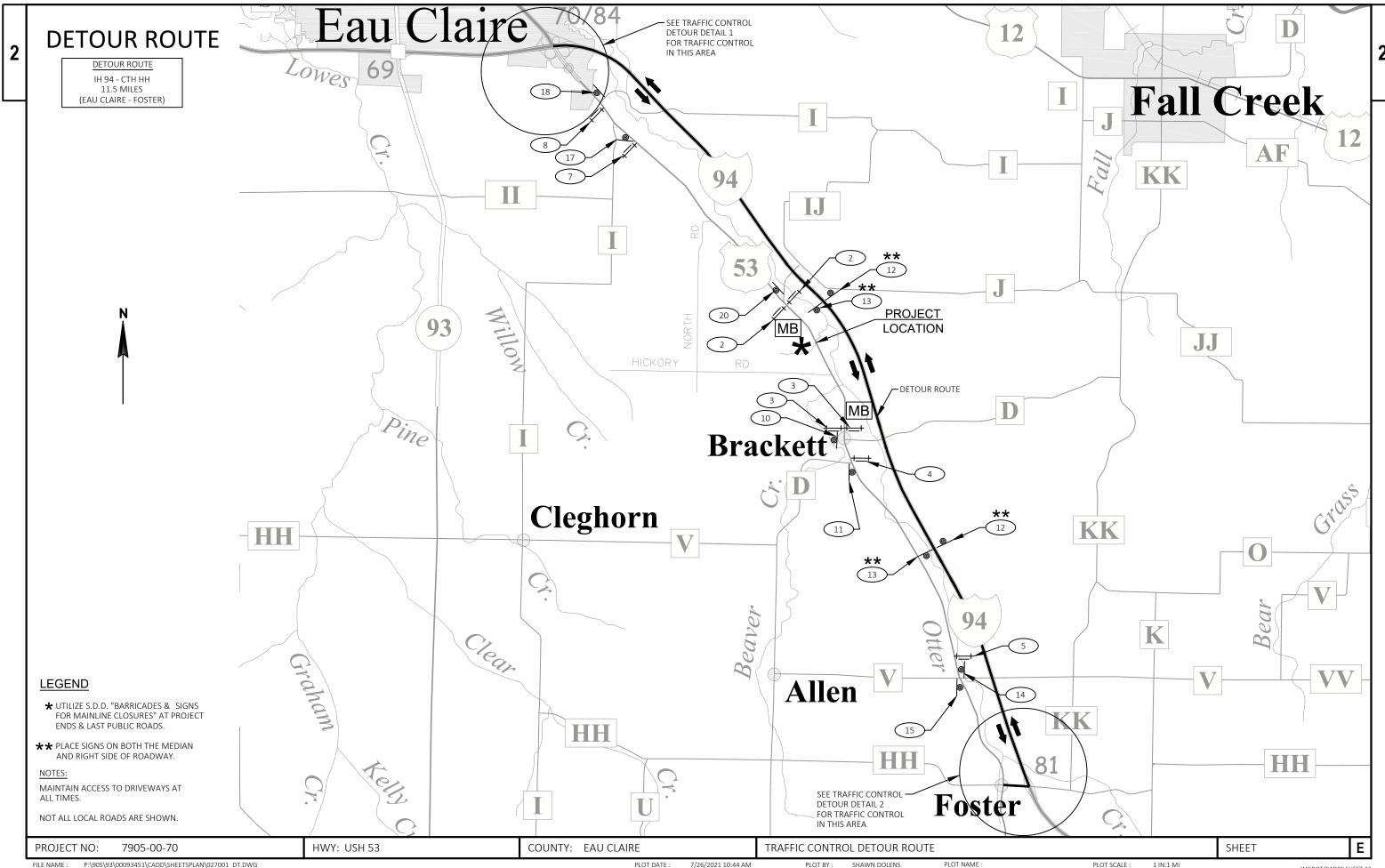
**SHEET** 

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P:\90S\93\00093451\CADD\SHEETSPLAN\020101 GN.DWG PLOT NAME FILE NAME : PLOT DATE: 7/22/2020 8:55 AM PLOT BY: JULIA ZEHNER PLOT SCALE: 1 IN:10 FT LAYOUT NAME - 020101\_gn



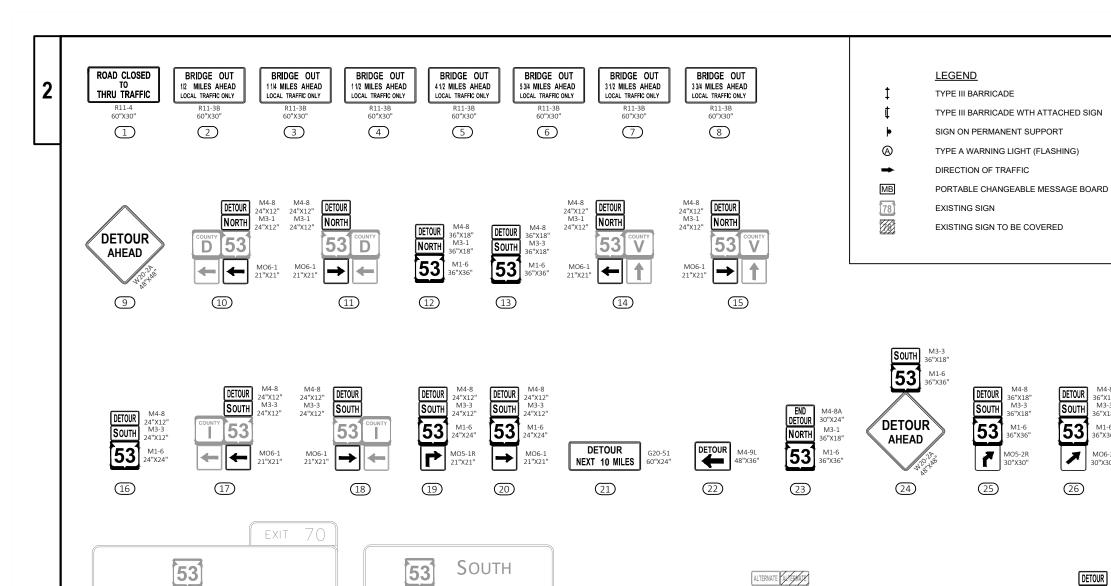


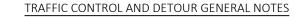


FILE NAME :

P:\90S\93\00093451\CADD\SHEETSPLAN\027001\_DT.DWG







1. DRAWINGS SHOW TRAFFIC CONTROL DETOUR FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON SITE CONDITIONS AS DIRECTED BY THE ENGINEER. ALL CHANGES TO THE TRAFFIC CONTROL DETOUR PLAN SHALL BE REVIEWED WITH THE PROJECT ENGINEER.

2. CONSIDER GEOMETRICS WHEN LOCATING TRAFFIC CONTROL SIGNS PCMS SO TRAFFIC HAS A CLEAR VIEW OF THE BOARD FOR A MINIMUM OF 1000 FEET IN FRONT OF MESSAGE

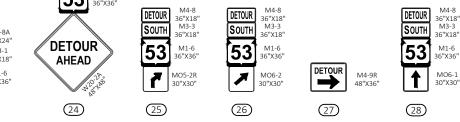
3. PLACE TRAFFIC CONTROL SIGNS PCMS AND DISPLAY THE "PRIOR TO CONSTRUCTION" MESSAGE 7 DAYS PRIOR TO THE EXPECTED START OF THE PROPOSED WORK THAT WILL REQUIRE BRIDGE CLOSURE, ADJUST THE MESSAGE DATE ACCORDINGLY.

4. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

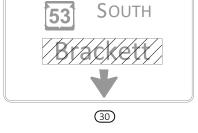
5. LOCATION AND SPACING OF SIGNS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE FIELD ENGINEER.

6. "MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

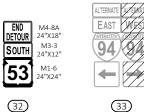
7. COVER, REMOVE, OR ALTER ANY EXISTING SIGNS THAT DISPLAY A CONFLICTING MESSAGE WITH THE PROPOSED DETOUR ROUTE.







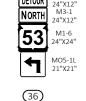






(34)





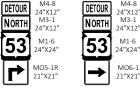


(37)



(39)

(38)

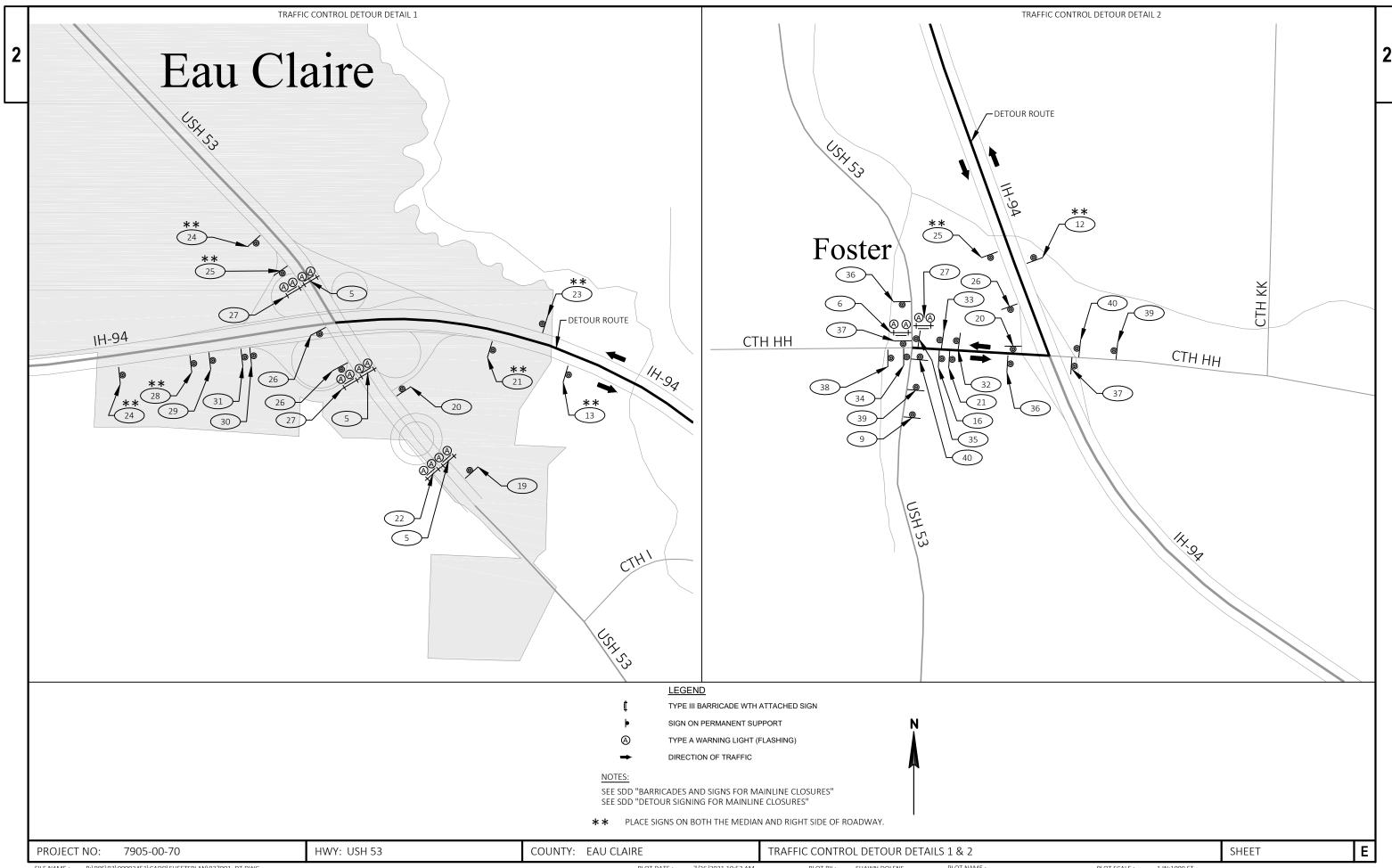




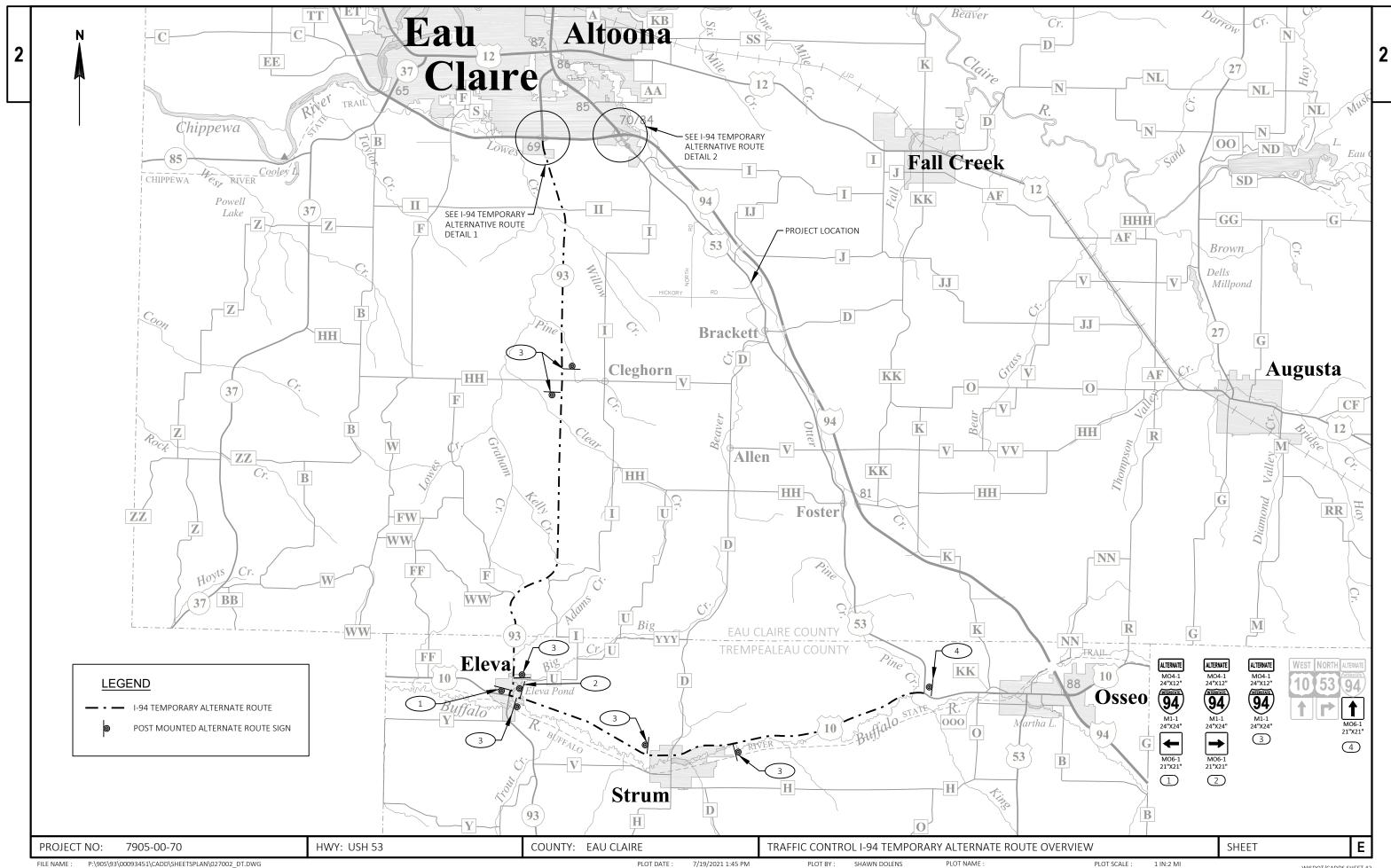
PCMS MESSAG	GE OVERVIEW
BRIDGE WORK AHEAD	BEGINS (DATE)

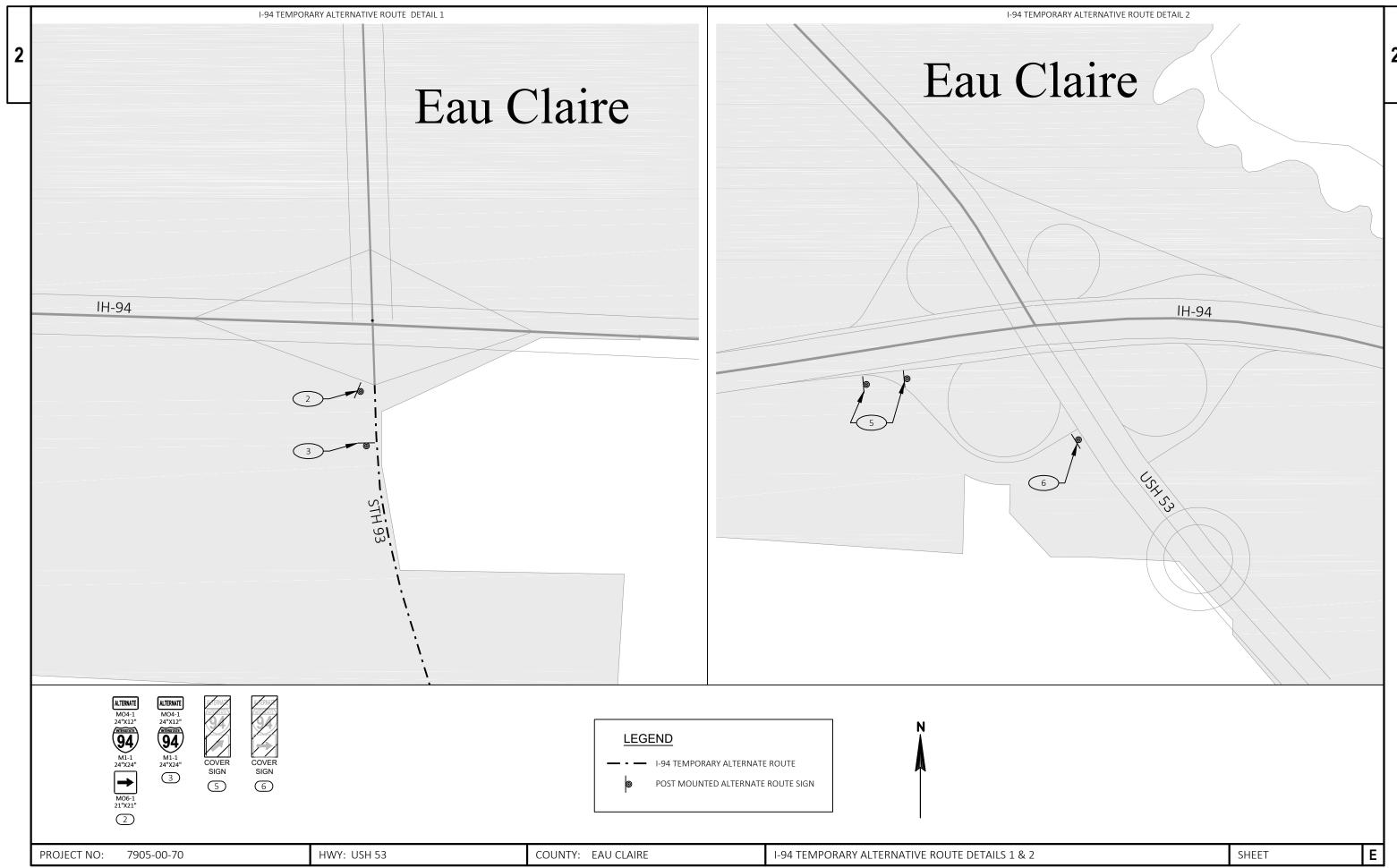
PROJECT NO: 7905-00-70 HWY: USH 53 COUNTY: EAU CLAIRE TRAFFIC CONTROL DETOUR PLAN LEGEND & NOTES SHEET FILE NAME : PLOT BY:

Ε



FILE NAME: PL90\$(93)(00093451)(CADD\\$HEETSPLAN)(027001\_DT.DWG PLOT DATE: 7/26/2021 10:53 AM PLOT BY: SHAWN DOLENS PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 027003\_dt





FILE NAME: P.\90\$\93\00093451\CADD\\SHEETSPLAN\027002\_DT.DWG PLOT BY: SHAWN DOLENS PLOT NAME: PLOT BY: SHAWN DOLENS PLOT NAME: 1 IN:500 FT WISDOT/CADDS SHEET 42

					7905-00-70
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
8000	203.0220	Removing Structure (structure) 01. C-18-3176	EACH	1.000	1.000
0010	204.0100	Removing Concrete Pavement	SY	1,485.000	1,485.000
0012	204.0165	Removing Guardrail	LF	498.000	498.000
0014	204.0170	Removing Fence	LF	695.000	695.000
0016	204.0185	Removing Masonry	CY	3.000	3.000
0018	205.0100	Excavation Common	CY	1,010.000	1,010.000
0020	206.2000	Excavation for Structures Culverts (structure) 01. C-18-0052	LS	1.000	1.000
0022	208.0100	Borrow	CY	1,583.000	1,583.000
0024	210.2500	Backfill Structure Type B	TON	1,755.000	1,755.000
0026	213.0100	Finishing Roadway (project) 01. 7905-00-70	EACH	1.000	1.000
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	182.000	182.000
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,560.000	1,560.000
0032	311.0110	Breaker Run	TON	157.000	157.000
0034	455.0605	Tack Coat	GAL	80.000	80.000
0036	465.0105	Asphaltic Surface	TON	504.000	504.000
0038	504.0100	Concrete Masonry Culverts	CY	140.000	140.000
0040	505.0400	Bar Steel Reinforcement HS Structures	LB	21,000.000	21,000.000
0042	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,160.000	2,160.000
0044	516.0500	Rubberized Membrane Waterproofing	SY	27.000	27.000
0046	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0048	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	50.000	50.000
0050	606.0300	Riprap Heavy	CY	415.000	415.000
0052	606.0700	Grouted Riprap Heavy	CY	13.000	13.000
0054	614.2330	MGS Guardrail 3 K	LF	287.500	287.500
0056	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0058	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7905-00-70	EACH	1.000	1.000
0060	619.1000	Mobilization	EACH	1.000	1.000
0062	624.0100	Water	MGAL	35.000	35.000
0064	625.0500	Salvaged Topsoil	SY	1,470.000	1,470.000
0066	628.1104	Erosion Bales	EACH	116.000	116.000
0068	628.1504	Silt Fence	LF	600.000	600.000
0070	628.1520	Silt Fence Maintenance	LF	600.000	600.000
0070	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0072	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0074	628.2008	Erosion Mat Urban Class I Type B	SY	1,472.000	1,472.000
0078	628.7504	Temporary Ditch Checks	LF	108.000	108.000
0078	628.7570		EACH	116.000	116.000
	629.0210	Rock Bags	CWT		
0082		Fertilizer Type B		1.250	1.250
0084	630.0120	Seeding Mixture No. 20 Seeding Temporary	LB	53.000	53.000
0086	630.0200	• • •	LB	53.000 11.000	53.000
8800	630.0300	Seeding Borrow Pit	LB		11.000
0090	630.0500	Seed Water	MGAL	44.000	44.000
0092	633.5100	Markers Row	EACH	14.000	14.000
0094	642.5001	Field Office Type B	EACH	1.000	1.000
0096	643.0420	Traffic Control Barricades Type III	DAY	1,980.000	1,980.000
0098	643.0705	Traffic Control Warning Lights Type A	DAY	2,904.000	2,904.000

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Line	Item	Item Description	Unit	Total	Qty
0100	643.0900	Traffic Control Signs	DAY	14,652.000	14,652.000
0102	643.0910	Traffic Control Covering Signs Type I	EACH	2.000	2.000
0104	643.0920	Traffic Control Covering Signs Type II	EACH	4.000	4.000
0106	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0108	643.5000	Traffic Control	EACH	1.000	1.000
0110	645.0105	Geotextile Type C	SY	298.000	298.000
0112	645.0120	Geotextile Type HR	SY	815.000	815.000
0114	646.1020	Marking Line Epoxy 4-Inch	LF	1,800.000	1,800.000
0116	650.4500	Construction Staking Subgrade	LF	450.000	450.000
0118	650.5000	Construction Staking Base	LF	450.000	450.000
0120	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0122	650.6500	Construction Staking Structure Layout (structure) 01. C-18-0052	LS	1.000	1.000
0124	650.9910	Construction Staking Supplemental Control (project) 01. 7905-00-70	LS	1.000	1.000
0126	650.9920	Construction Staking Slope Stakes	LF	450.000	450.000
0128	690.0150	Sawing Asphalt	LF	16.000	16.000
0130	690.0250	Sawing Concrete	LF	40.000	40.000
0132	715.0502	Incentive Strength Concrete Structures	DOL	840.000	840.000
0134	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0136	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0138	SPV.0060	Special 01. Temporary Water Diversion Culvert C-18-0052	EACH	1.000	1.000

	CLE <i>f</i>	ARING AND GF	RUBBING				REN	MOVING PIPE CULV	/ERTS			REM	IOVING CON	CRETE PAVEM	IENT		RI	EMOVING GUAR	DRAIL
	- STATION - 11+00	LOCATION RT & LT	201.0105 CLEARING STA 2	201.0205 GRUBBING STA 2	070	ATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0185 REMOVING MASONRY CY	REMARKS		CTATION	CTATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT	_ 5	STATION - ST		204.0 REMO' GUARI T 18
		TOTALS:	2	2		+30	LT	EACH	1	REWARKS		STATION - 8+00 -		RT & LT	SY 1,485				T 31
		10 1/120:	-	-	9+ 9+ 9+ 10-	+60 +60 +80 +10	LT RT RT LT	1  1 1	1	18" CMCP 18" CMCP 18" CMCP				TOTAL:	1,485			тот	
						+15	LT TOTALS:	3	3										
	REMOVA	\L ITEMS	204.0170 REMOVING					EXCAVAT 205.0100 EXC. COMMON	ΠΟΝ COMMON FILL	EXPANDED FIL	LL WASTE	208.0100 BORROW				ВА	SE AGGREGATE 305.0110 BASE	E DENSE 305.0120 BASE	624.01\ WATE
	STATION	LOCATION	REMOVING FENCE LF		STA 8+0		12+50	205.0100			LL WASTE CY -1,006	BORROW CY 1,006				ВА	305.0110 BASE AGGREGATE DENSE	305.0120 BASE AGGREGAT DENSE	WATE TE
00 -	STATION 12+50		REMOVING FENCE LF 415			00 - STA	12+50	205.0100 EXC. COMMON CY (3)	FILL CY (1)	EXPANDED FIL CY (2)	CY	BORROW CY				- STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE GAGGREGAT DENSE 1 1/4-INCH TON	WATE IE I MGAI
+00 -	STATION 12+50	LOCATION LT RT	REMOVING FENCE LF 415 280		STA 8+( UNUSAB	00 - STA	12+50 EMENT	205.0100 EXC. COMMON CY (3)	FILL CY (1)	EXPANDED FIL CY (2)	CY	BORROW CY 1,006		-	8+00	- STATION - 12+50	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON 172	305.0120 BASE GAGGREGAT DENSE 1 1/4-INCF	WATE FE
+00 -	STATION 12+50	LOCATION LT	REMOVING FENCE LF 415		STA 8+0 UNUSAB T (1) - NOT A BID I' (2) - FILL EXPAN	00 - STA BLE PAVI FOTALS: ITEM - FO ISION 30	A 12+50 YEMENT : : OR INFORMAT 10%	205.0100 EXC. COMMON CY (3) 1,010	FILL CY (1) 1,550 1,550 S ONLY.	EXPANDED FIL CY (2) 2,016 2,016	-1,006	1,006 577 1,583		-		- STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE E AGGREGAT DENSE 1 1/4-INCH TON 1,560	WATE  H  MGA  35
00 -	STATION 12+50 12+50	LOCATION LT RT TOTAL:	REMOVING FENCE LF 415 280		STA 8+0 UNUSAB T (1) - NOT A BID I' (2) - FILL EXPAN	00 - STA BLE PAVI FOTALS: ITEM - FO ISION 30	A 12+50 YEMENT : : OR INFORMAT 10%	205.0100 EXC. COMMON CY (3) 1,010 1,010	FILL CY (1) 1,550  1,550  S ONLY.  COMMON EXCA	EXPANDED FIL CY (2) 2,016 2,016 VATION TOTALS	-1,006 -1,006 S. SEE EARTHV	BORROW <u>CY</u> 1,006 577 1,583 WORK TABLE.		-	8+00	- STATION - 12+50 FE, LT TOTALS:	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON 172 10	305.0120 BASE E AGGREGAT DENSE 1 1/4-INCH TON 1,560	WATE  H  MGA  35
00 -	STATION 12+50 12+50 ASPHALTI	LOCATION LT RT	REMOVING FENCE LF 415 280		STA 8+0 UNUSAB T (1) - NOT A BID I' (2) - FILL EXPAN	00 - STA BLE PAVI FOTALS: ITEM - FO ISION 30	A 12+50 YEMENT : : OR INFORMAT 10%	205.0100 EXC. COMMON CY (3) 1,010 1,010	FILL CY (1) 1,550 1,550 S ONLY. COMMON EXCA PIPE CULVE 521.10 APRON ENE	EXPANDED FIL  CY (2)  2,016  2,016  VATION TOTALS  ERTS  018  DWALLS CUIR  CO	CY -1,006  -1,006  S. SEE EARTHV  521.3118  ILVERT PIPE  DRRUGATED	BORROW CY 1,006 577 1,583  WORK TABLE.  650.6000 CONSTRUCTION STAKING	N	-	8+00	- STATION - 12+50 FE, LT TOTALS:	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON 172 10	305.0120 BASE E AGGREGAT DENSE 1 1/4-INCH TON 1,560	WATE  H MGAI  35  35  4 628.7570  N ROCK
+69 -	STATION 12+50 12+50 ASPHALTI	LOCATION LT RT TOTAL:	REMOVING FENCE LF 415 280 695		STA 8+0 UNUSAB T (1) - NOT A BID I' (2) - FILL EXPAN	00 - STA BLE PAVI FOTALS: ITEM - FO ISION 30	A 12+50 YEMENT : : OR INFORMAT 10%	205.0100 EXC. COMMON CY (3) 1,010 1,010	FILL CY (1) 1,550 1,550 S ONLY. COMMON EXCA PIPE CULVE 521.10 APRON ENE	EXPANDED FIL  CY (2)  2,016  2,016  VATION TOTALS  ERTS  018  DWALLS CUI  R CO	CY -1,006 -1,006 S. SEE EARTHV 521.3118 ILVERT PIPE	BORROW CY 1,006 577 1,583  WORK TABLE.  650.6000 CONSTRUCTION	٧	-	8+00 11+05	- STATION - 12+50 FE, LT  TOTALS:  ERG	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON 172 10  182  OSION BALES 8	305.0120 BASE AGGREGAT DENSE 1 1/4-INCH TON 1,560 1,560  R ROCK BAGS 628.110 EROSIO BALES	WATE  H MGAI  35  35  4 628.7570 N ROCK

710111	ieno cora 7.ce				APRON ENDWALLS	521.3118 CULVERT PIPE	CONSTRUCTION				628.1104	628.7570
	455.0605 TACK COAT	465.0105 ASPHALTIC			FOR	CORRUGATED	STAKING				EROSION BALES	ROCK BAGS
		SURFACE			CULVERT PIPE STEEL 18-INCH	STEEL 18-INCH	PIPE CULVERTS	STATI	ON - STATION	LOCATION	EA	EA
STATION - STATION	GAL	TON	STATION	LOCATION	EACH	15 15	EACH	8+0	0 - 12+50	RT	80	80
8+00 - 12+50	80	504	11+05	FIELD ENTRANCE, LT	2	50	1	8+0	0 - 12+50	LT	36	36
TOTALS:	80	504		TOTALS:	2	50	1			TOTAL:	116	116

		GL	UARDRAIL				SEEDING											SILT FENCE							
				614.2330 MGS GUARDRAIL 3K	614.2610 MGS GUARDRAIL TERMINAL EAT		STATION	- S	TATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL	STATION	_	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF			
STATION -	STATIC	N LOC	CATION	LF	EACH	_	8+00	-	12+50	RT	880	0.70	30	30		25	8+95	-	11+00	LT	235	235			
9+10.00 -	10+91.2	:5	LT	75	2		8+00	-	12+50	LT	590	0.55	23	23		19	8+95	-	12+50	RT	365	365			
9+10.00 -	12+28.7	5	RT	212.5	2		BOR	ROW P	IT						11										
																				TOTALS:	600	600			
		ТО	OTALS:	287.5	4	_		T	OTALS:		1,470	1.25	53	53	11	44									

PROJECT NO: 7905-00-70	HWY: USH 53	COUNTY: EAU CLAIRE	MISCELLAN	IEOUS QUANTITIES				SHEET	[ E ]	i
FILE NAME : P:\90S\93\00093451\CADD\SHEETSPLAN\030201-MQ.DWG		PLOT DATE: 7/30/	0/2021 8:32 AM PLO	ГВҮ: JACK MARTZKE	PLOT NAME :	PLOT SCALE :	1 IN:40 FT	WIK	DOT/CADDS SHEET 43	

1	
1	

### DITCH CHECKS

628.1905	628.1910						628.2008
MOBILIZATION	MOBILIZATION						URBAN
EROSION	EMERGENCY						CLASS I
CONTROL	<b>EROSION CONTROL</b>						TYPE B
EACH	EACH		STATION	-	STATION	LOCATION	SY
2	2	•	8+00	-	12+50	RT	882
			8+00	-	12+50	LT	590

STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF
8+50	LT	12
8+95	LT	12
9+00	RT	12
9+50	RT	12
9+60	LT	12
9+85	RT	12
10+35	LT	12
10+75	LT	12
11+75	LT	12
·	TOTAL:	108

STATION	OFFSET	LOCATION	633.5100 MARKERS ROW EACH
12+50.00	32.90	RT	1
12+00.00	32.89	RT	1
10+75.00	95.00	RT	1
10+15.00	95.00	RT	1
9+35.98	49.86	RT	1
9+35.99	32.86	RT	1
8+00.00	32.84	RT	1
8+00.00	33.16	LT	1
8+80.00	33.15	LT	1
9+85.00	80.00	LT	1
10+50.00	80.00	LT	1
10+86.00	50.12	LT	1
10+86.00	33.12	LT	1
12+50.00	33.10	LT	1
		TOTAL:	14

RIGHT OF WAY MARKERS

#### TRAFFIC CONTROL

TOTAL:

1,472

**EROSION MAT** 

		TRAFFIC CONTROL BARRICADES TYPE III	643.0420 TRAFFIC CONTROL BARRICADES TYPE III	TRAFFIC CONTROL WARNING LIGHTS TYPE A	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A	TRAFFIC CONTROL SIGNS	643.0900 TRAFFIC CONTROL SIGNS	643.0910 TRAFFIC* CONTROL COVERING SIGNS TYPE I	643.0920 TRAFFIC* CONTROL COVERING SIGNS TYPE II	TRAFFIC CONTROL SIGNS PCMS	643.1050 TRAFFIC CONTROL SIGNS PCMS	643.5000 TRAFFIC CONTROL
LOCATION	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	EACH	EACH	DAYS	EACH
BEGINNING OF PROJECT	66	7	462	10	660	5	330			_		
CTH D INTERSECTION (NORTH)	7									1	7	
CTH D INTERSECTION (NORTH)	66	2	132	4	264	5	330					
CTH D INTERSECTION (SOUTH)	66	1	66			4	264					
CTH V INTERSECTION	66	1	66			7	462	_		_		
USH 53/CTH HH INTERSECTION	66	2	132	4	264	32	2,112		1			
CTH HH/IH-94 INTERCHANGE	66					38	2,508					
IH-94 MILE 77	66					12	792					
IH-94 MILE 74	66					12	792					
USH 53/IH-94 INTERCHANGE	66	6	396	12	792	64	4,224	2	1	_		
CTH I INTERSECTION (NORTH)	66	1	66			4	264					
CTH I INTERSECTION (SOUTH)	66	1	66			4	264					
CTH J INTERSECTION	66	2	132	4	264	6	396					
CTH J INTERSECTION	7									1	7	
END OF PROJECT	66	7	462	10	660	5	330			_		
ALTERNATE ROUTE	66	_				24	1,584	_	2	_		
TOTALS:			1,980		2,904		14,652	2	4		14	1

### TEMPORARY WATER DIVERSION

TEMPORARY WATER DIVERSION CULVERT C-18-0052 STATION EACH 10+00 TOTAL:

SPV.0060.01

\*NOTE: TRAFFIC CONTROL COVERING SIGNS TYPE I AND TRAFFIC CONTROL COVERING SIGNS TYPE II INCLUDE 1 CYCLE FOR ALL NECESSARY SIGNS

COUNTY: EAU CLAIRE

				646.1020 MARKING LINE EPOXY 4-INCH YELLOW	646.1020 MARKING LINE EPOXY 4-INCH WHITE
STATION	-	STATION	LOCATION	LF	LF
8+00	-	12+50	CENTERLINE - DOUBLE SOLID	900	_
8+00	-	12+50	EDGELINE LT & RT - SOLID		900
			TOTALS:	1,8	300

HWY: USH 53

### STAKING

	650.4500 CONSTRUCTION STAKING	650.5000 CONSTRUCTION STAKING	650.9910 CONSTRUCTION STAKING	650.9920 CONSTRUCTION STAKING
	SUBGRADE	BASE	SUPPLEMENTAL	SLOPE STAKES
			CONTROL	
STATION - STAT	TION LF	LF	LS	LF
8+00 - 12+	-50 450	450		450
TOTA	ALS: 450	450	1	450

### SAWING

	690.0150	690.0250
	SAWING	SAWING
	ASPHALT	CONCRETE
STATION	LF	LF
8+00	8	20
12+50	8	20
TOTALS:	16	40

SHEET

7905-00-70 PROJECT NO: FILE NAME :

P:\90S\93\00093451\CADD\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 030202-mq

MOBILIZATION EROSION CONTROL

PLOT DATE : 8/27/2021 2:02 PM

MISCELLANEOUS QUANTITIES

PLOT BY: COURTNEY ROOYAKKERS PLOT NAME:

PLOT SCALE :

1 IN:40 FT

WISDOT/CADDS SHEET 42

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12+25.00

VOL. 342, PG 569

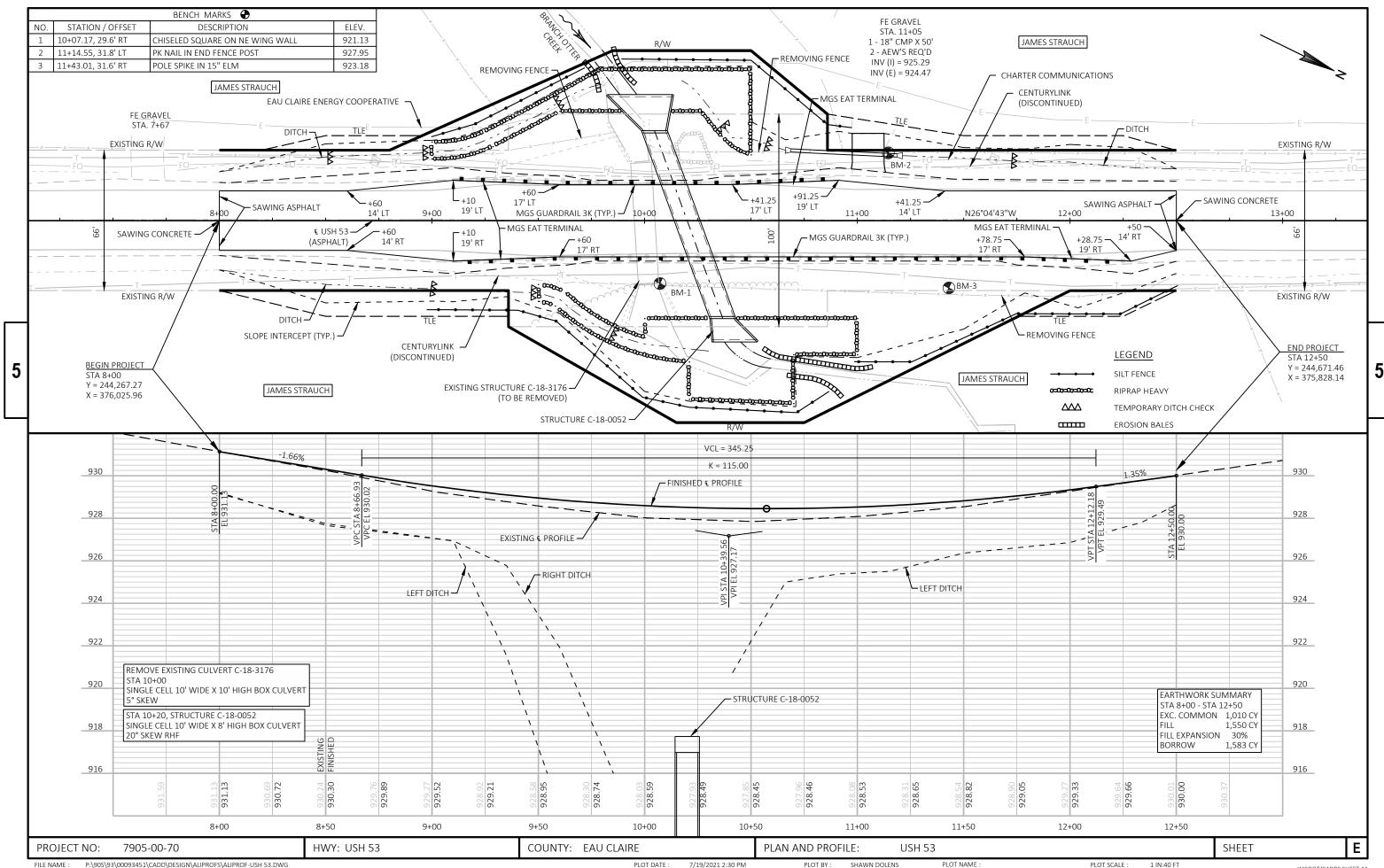
40.00' LT

EXISTING RIGHT OF WAY FOR STH 53 ESTABLISHED FROM PREVIOUS DIVISION JOB 6076.

PLOT BY :

BRAD LEE

PRINT NAME: DEBRA STENSLAND



### Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F03-03	DETAILS FOR PIPE CATTLE PASS, CONCRETE ENDWALLS AND STEPS
12A03-10	NAME PLATE (STRUCTURES)
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A01-13B	FLEXIBLE MARKER POST FOR RIGHT-OF-WAY
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C06-09	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

6

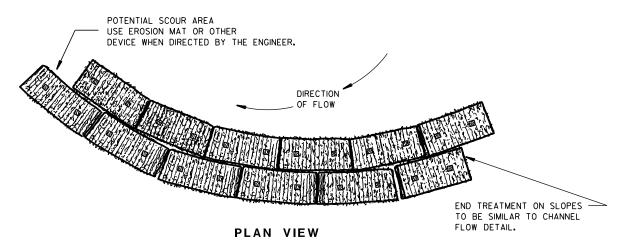
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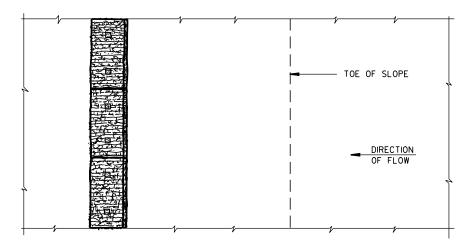
#### **GENERAL NOTES**

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

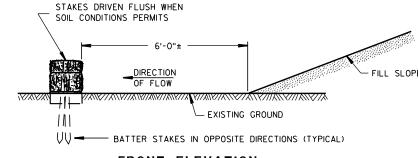
1 TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



#### PLAN VIEW



#### FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

**EROSION BALES FOR SHEET FLOW** 

## TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

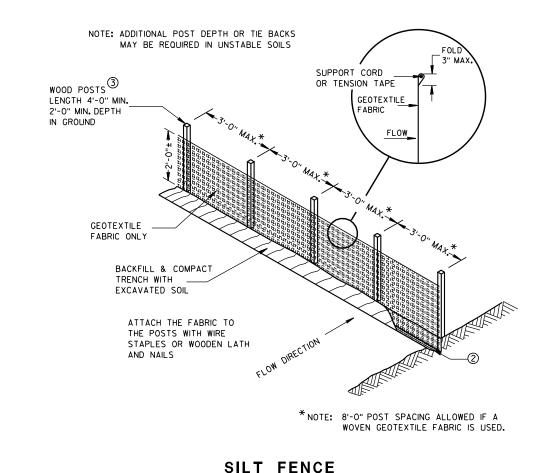
APPROVED

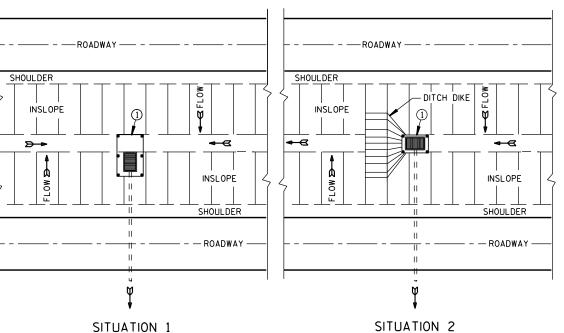
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

6

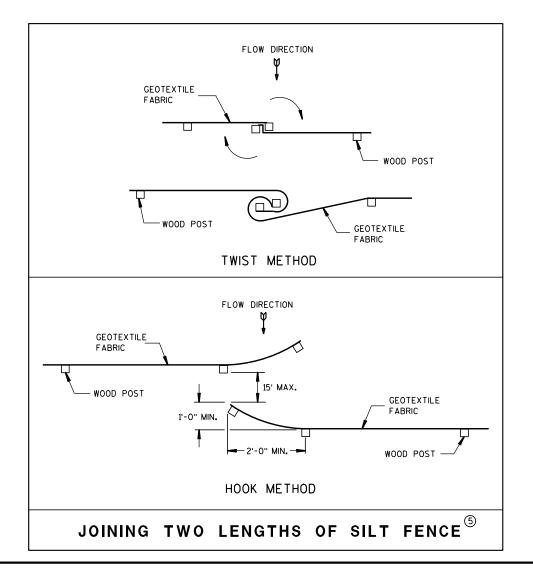
D.D. 8 E 8-3

### TYPICAL APPLICATION OF SILT FENCE





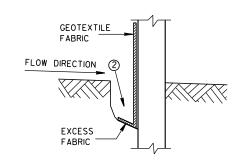
### PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



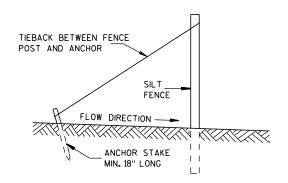
### **GENERAL NOTES**

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 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL

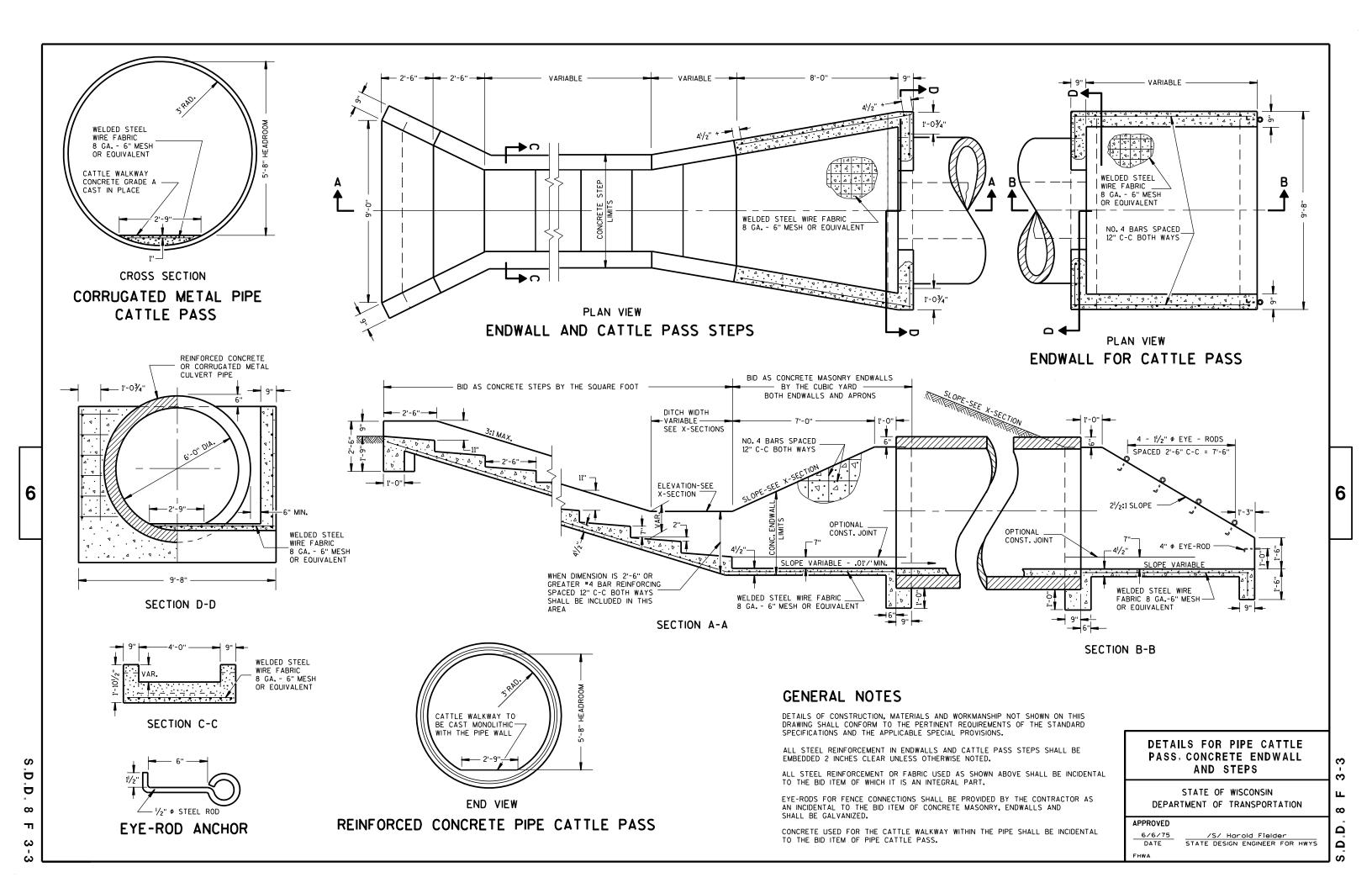


SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

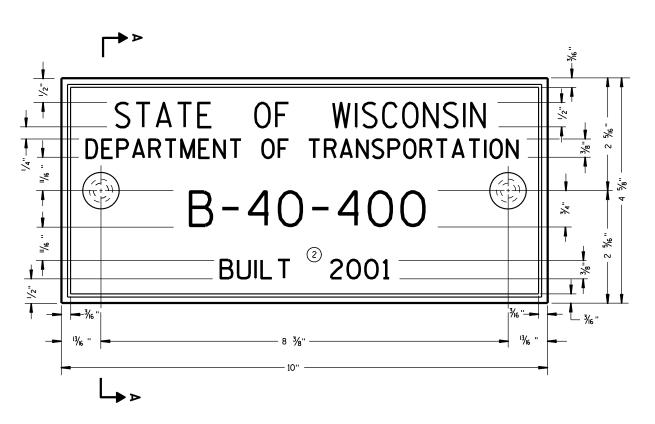
SILT FENCE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED 4-29-05 /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

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6  $\infty$ Ω

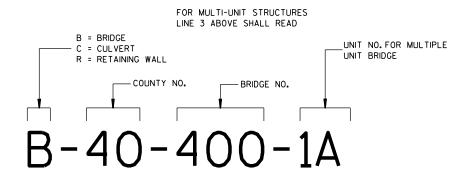






### TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



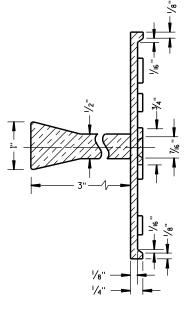
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

### **GENERAL NOTES**

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

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

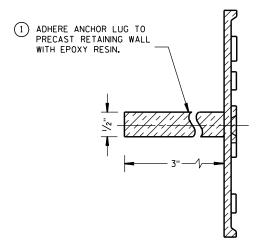
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



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

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

### NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

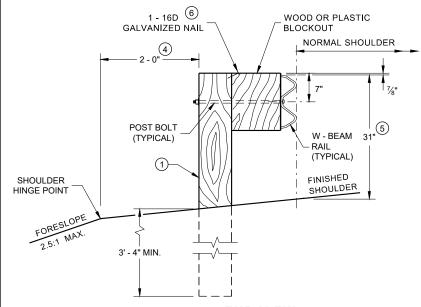
3-10

APPROVED

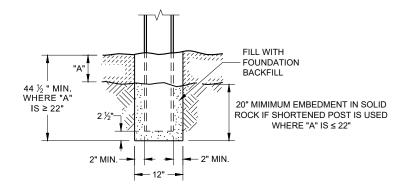
3/26/IO /S/ SCOT BECKET

CHIEF STRUCTURAL DEVELOPMENT ENGINEER

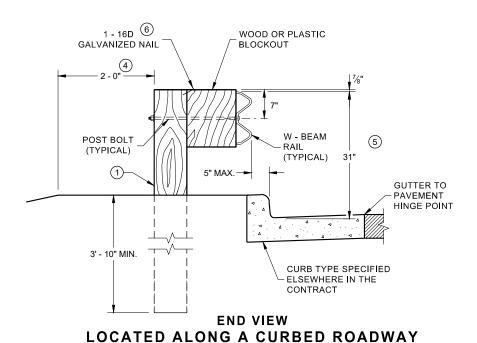
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- (3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- 4 WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- $\fill \ensuremath{5}$  FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS  $\pm 1"$  . FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 % " TO 32".
- (6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- $\bigcirc$  TOTAL POST LENGTH FOR TYPE K IS 7' 0". TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' 0".

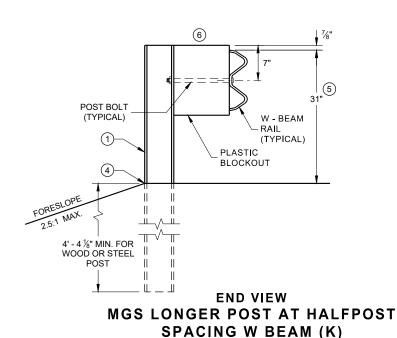


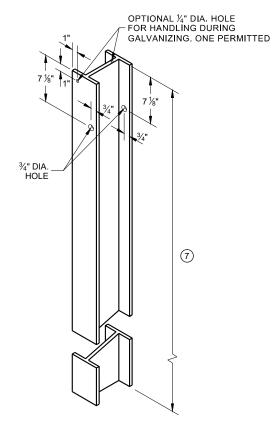
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



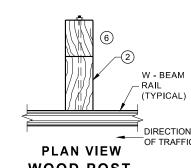
SETTING STEEL OR WOOD POST IN ROCK



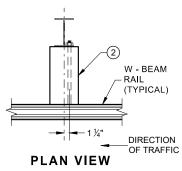




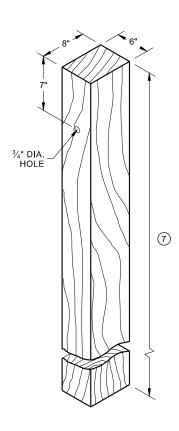
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



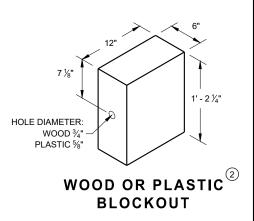
PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM



PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



WOOD POST (6" X 8") NOMINAL



### MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 0

### **FRONT VIEW** HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)

3' 1½" C -C 3' 1½" C - C POST SPACING POST SPACING

6' 3" C - C

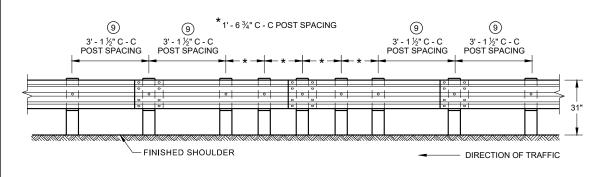
POST SPACING

DIRECTION OF TRAFFIC

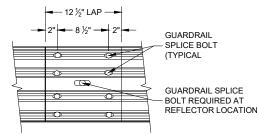
6' - 3" C -C

POST SPACING

FINISHED SHOULDER



FRONT VIEW **QUARTER POST SPACING (QS)** 



**FRONT VIEW MID-SPAN BEAM SPLICE** 

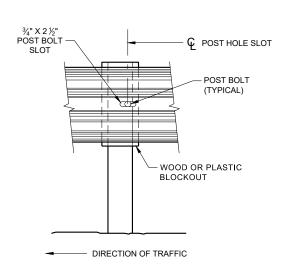
# REFLECTOR LOCATIONS

### **GENERAL NOTES**

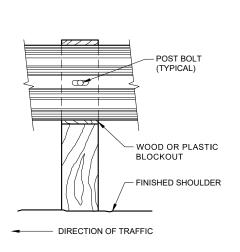
- DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- (9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND %" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS

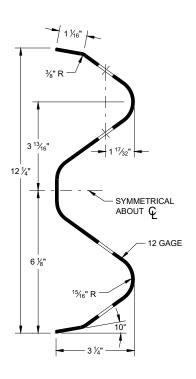
GUARD RAIL SPLICE BOLTS ARE A %" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



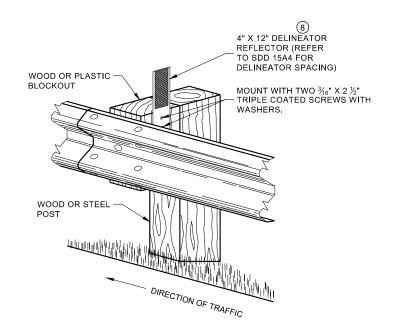
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



**SECTION THRU W-BEAM RAIL** 



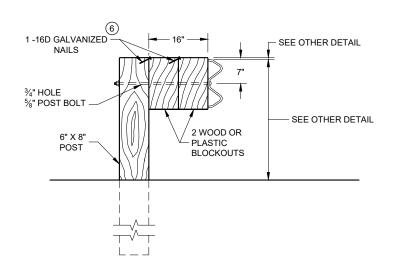
**ONE SIDED REFLECTOR DETAIL** AND TYPICAL INSTALLATION

**MIDWEST GUARDRAIL SYSTEM** (MGS) GUARDRAIL

**07**b

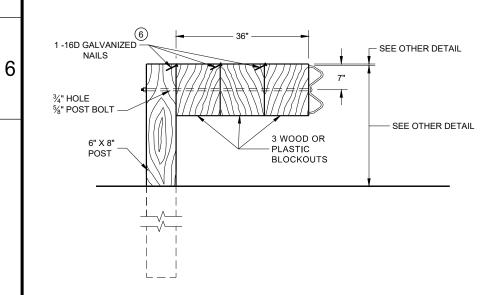
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



### **DETAIL FOR 16" BLOCKOUT DEPTH**

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



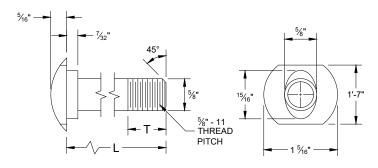
### **DETAIL FOR 36" BLOCKOUT DEPTH**

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

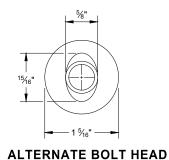
#### NOTE:

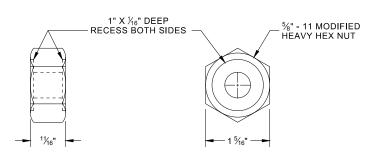
- 1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF  $\frac{3}{16}$ ".
- 2. IF THE BOLT EXTENDS MORE THAN  $\mbox{\ensuremath{\mbox{\sc M}}}\mbox{\sc "}\mbox{\sc FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.}$



### **POST BOLT TABLE**

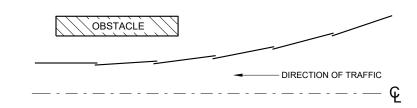
L	T (MIN.)
1 1⁄4"	1 1/4"
2"	1 3/4"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



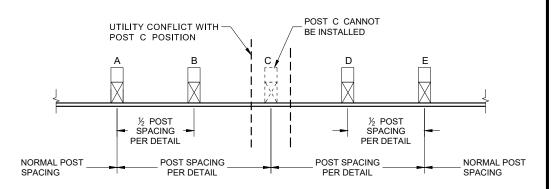


### POST BOLT, SPLICE BOLT **AND RECESS NUT**

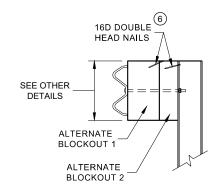
WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D (6) GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

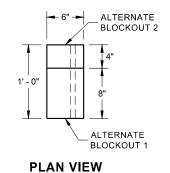


### **PLAN VIEW BEAM LAPPING DETAIL**



### POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION





SIDE VIEW

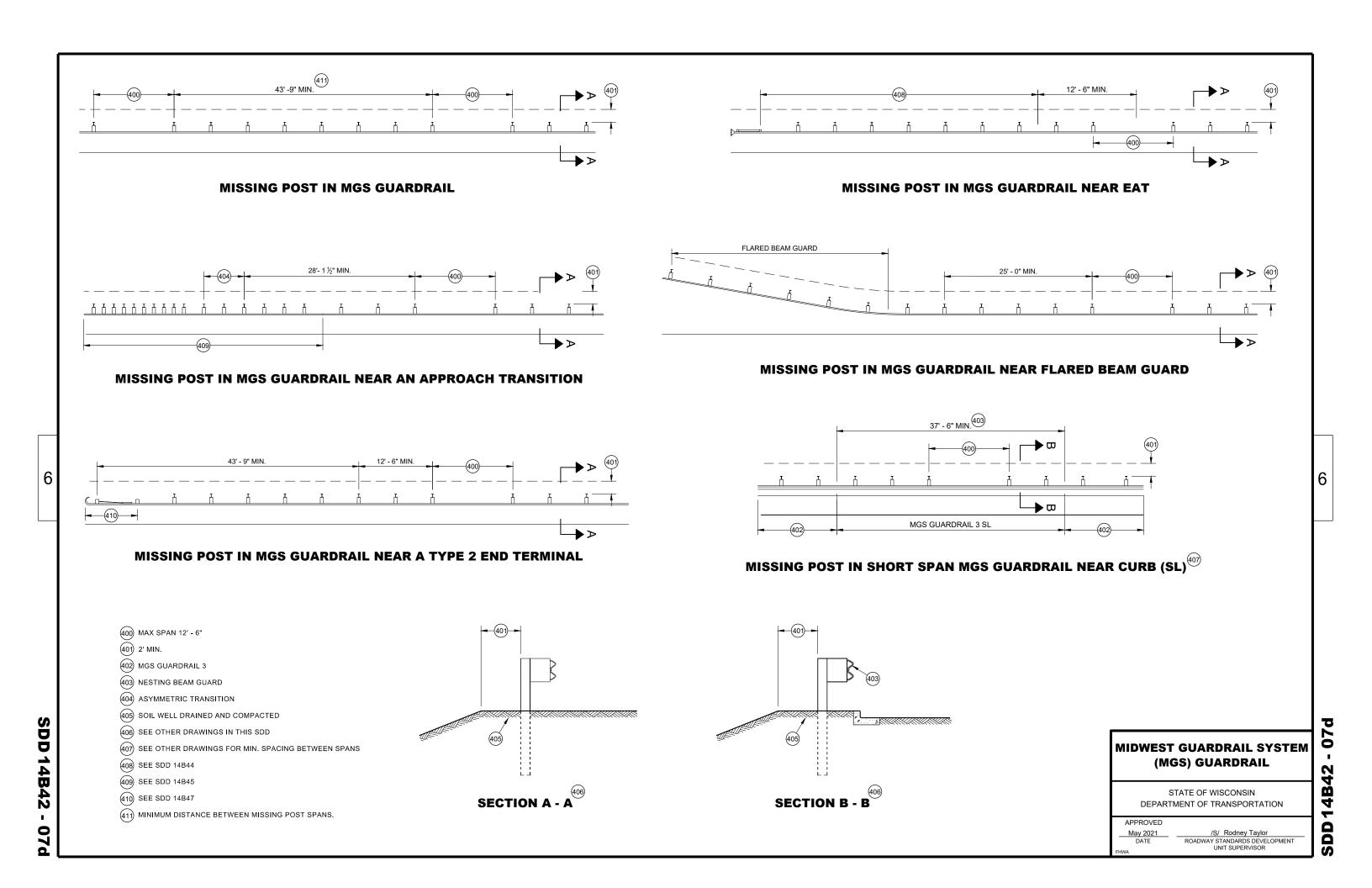
**ALTERNATE WOOD BLOCKOUT DETAIL** 

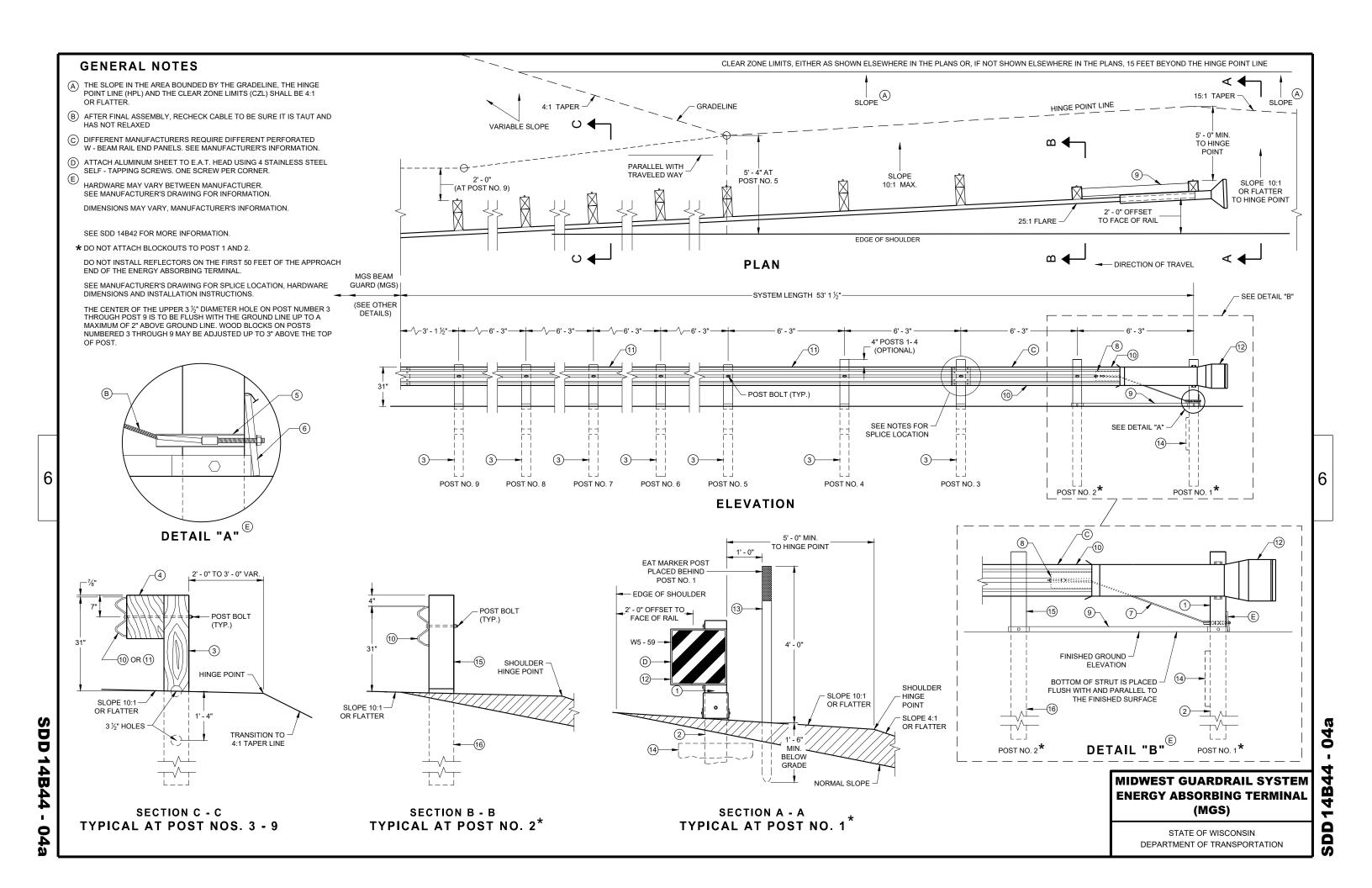
### **MIDWEST GUARDRAIL SYSTEM** (MGS) GUARDRAIL

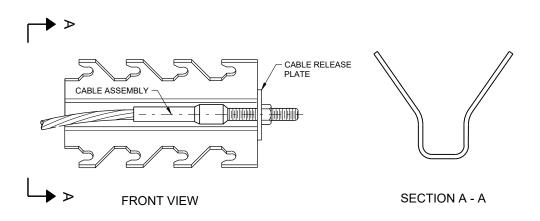
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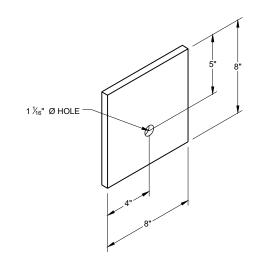
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION







GENERIC ANCHOR CABLE BOX <sup>(9) (E)</sup>



BEARING PLATE

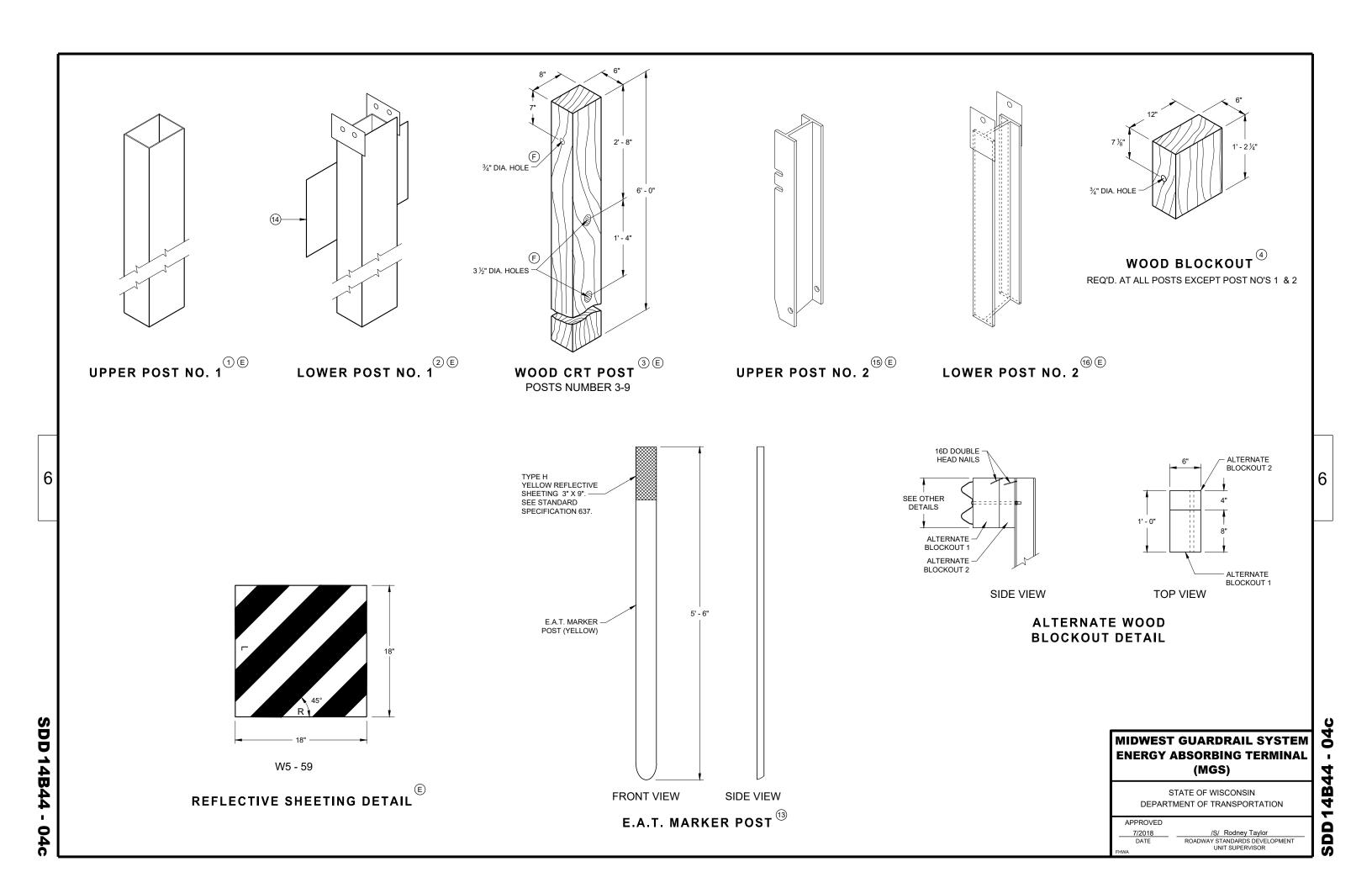
### MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

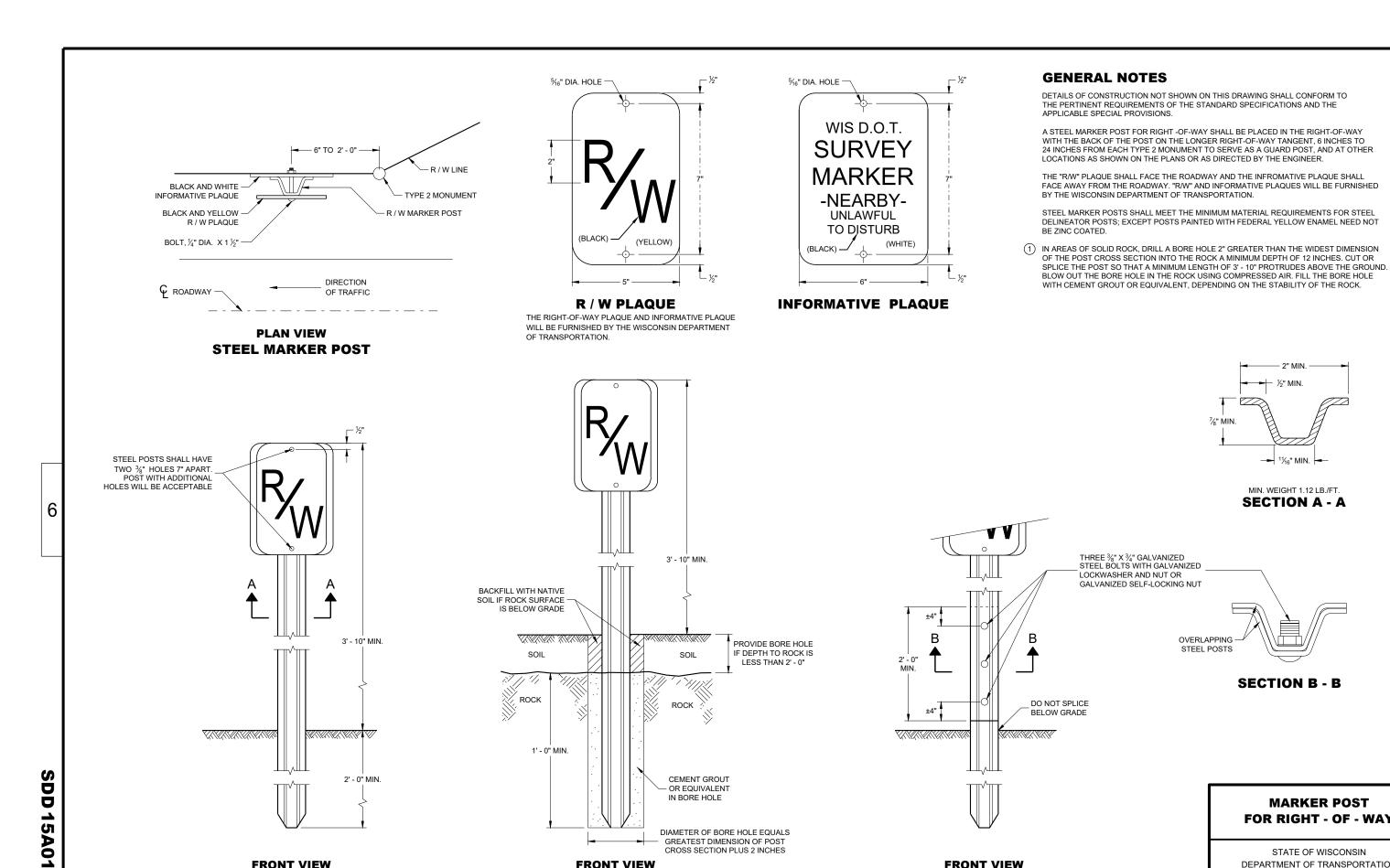
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SDD 14B44

SDD 14B44





IN BORE HOLE

**FRONT VIEW** 

ROCK INSTALLATION 1

**FRONT VIEW** 

STEEL MARKER POST

DIAMETER OF BORE HOLE EQUALS

- GREATEST DIMENSION OF POST

CROSS SECTION PLUS 2 INCHES

**FRONT VIEW** 

**SPLICE DETAIL** 

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**MARKER POST FOR RIGHT - OF - WAY** 

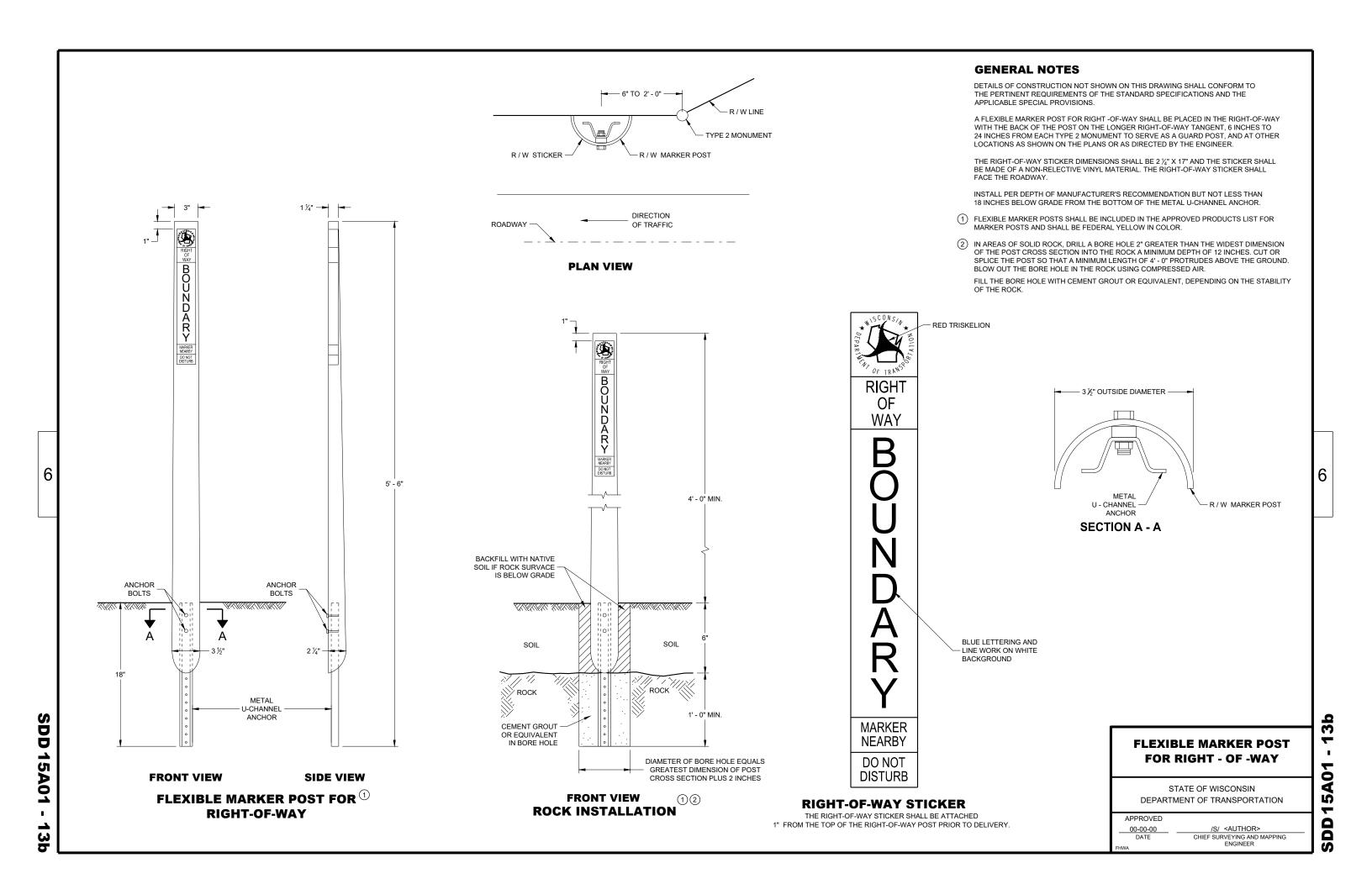
STATE OF WISCONSIN

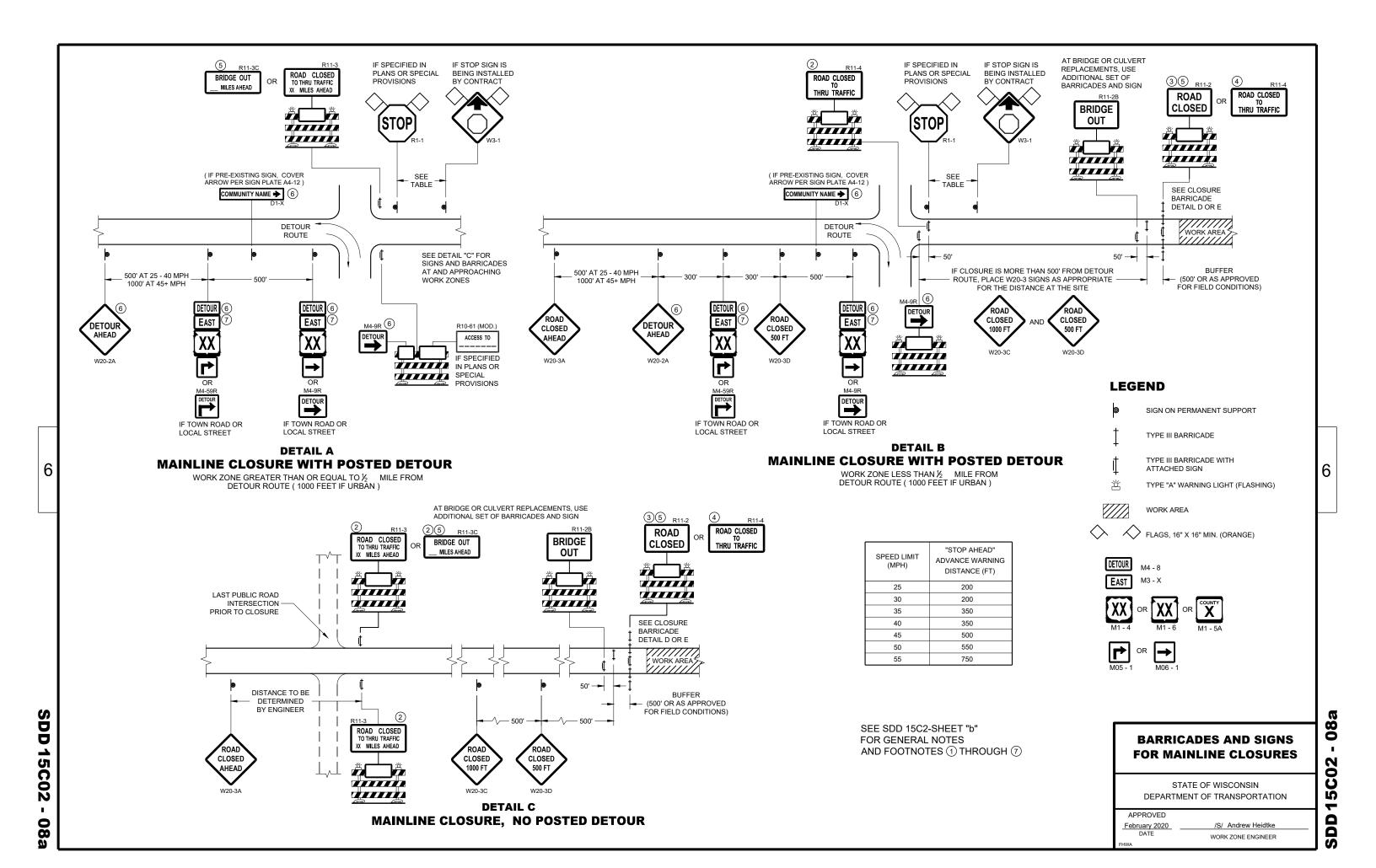
DEPARTMENT OF TRANSPORTATION

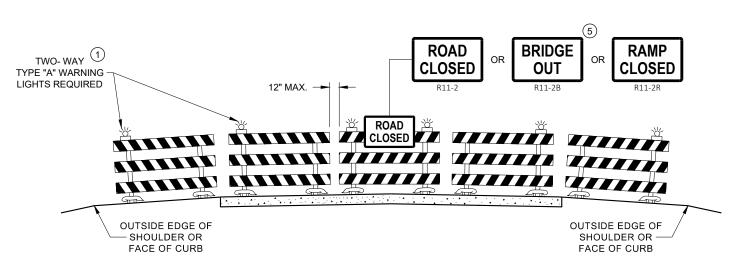
/S/ Ray Kumapayi
CHIEF SURVEYING AND MAPPING
ENGINEER

APPROVED

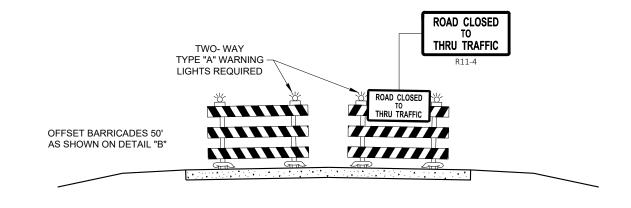
2/18/2016 DATE







# 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.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 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.
- 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.

# FOR VARIOUS CLOSURES

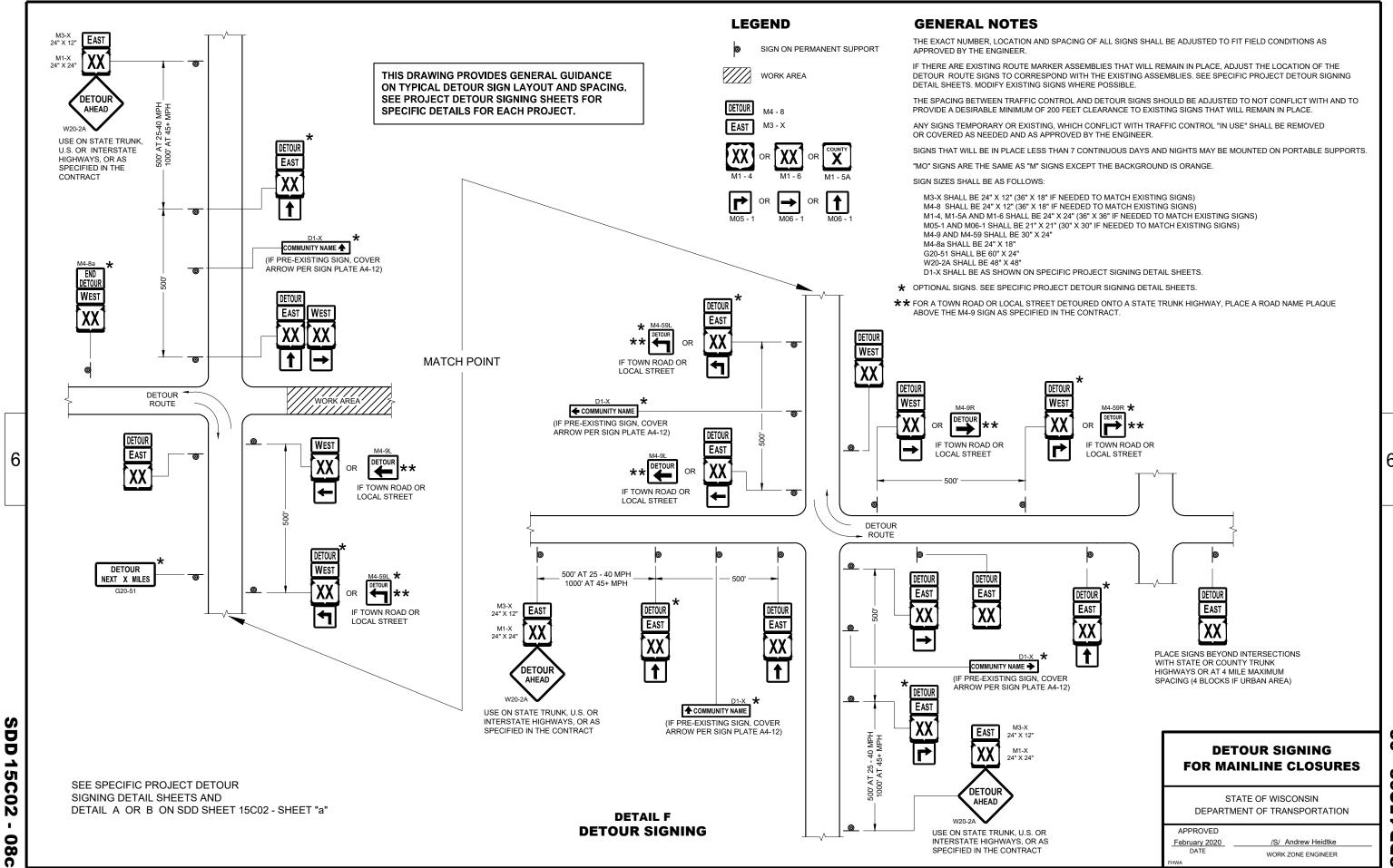
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

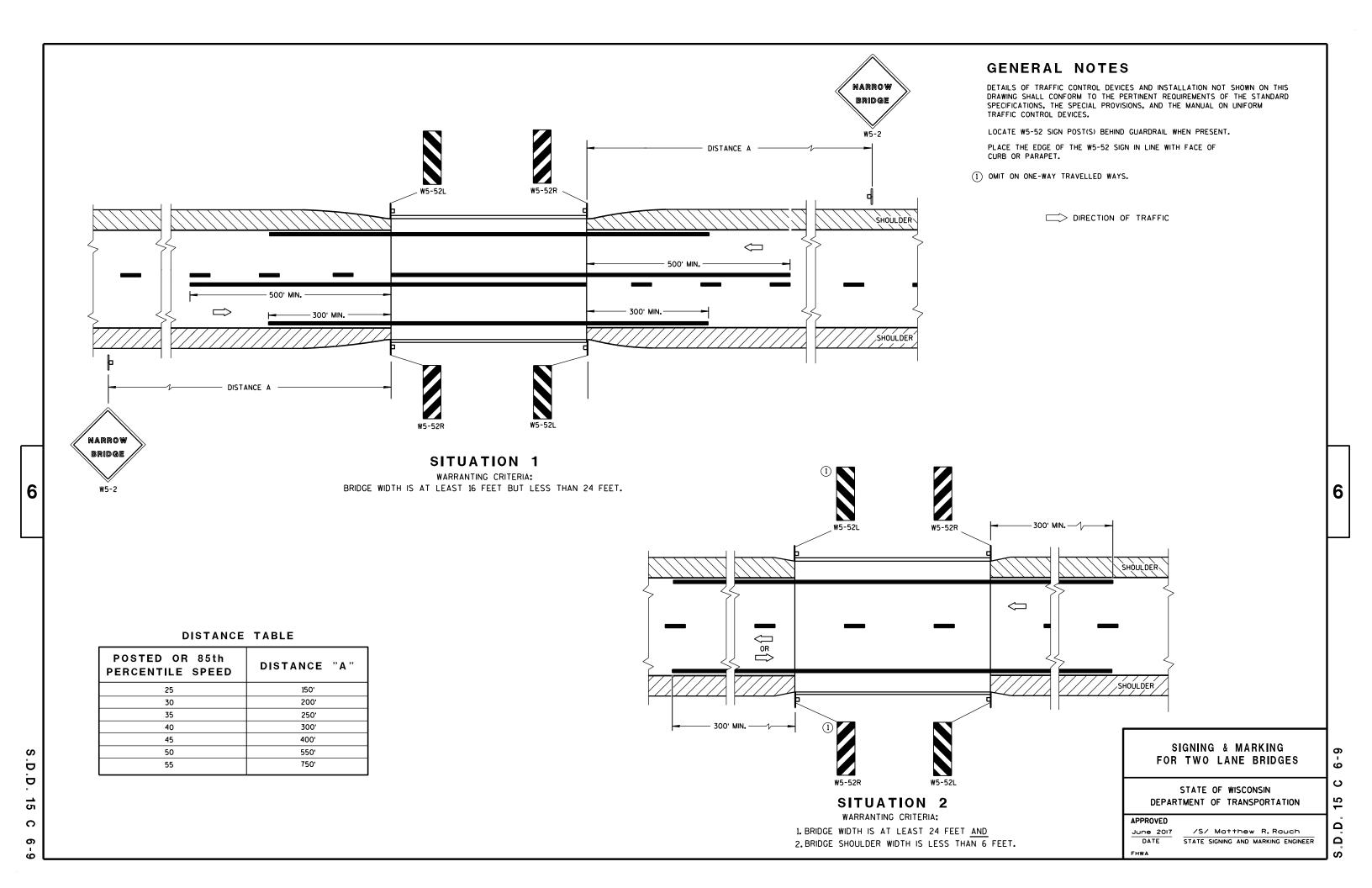
February 2020
DATE

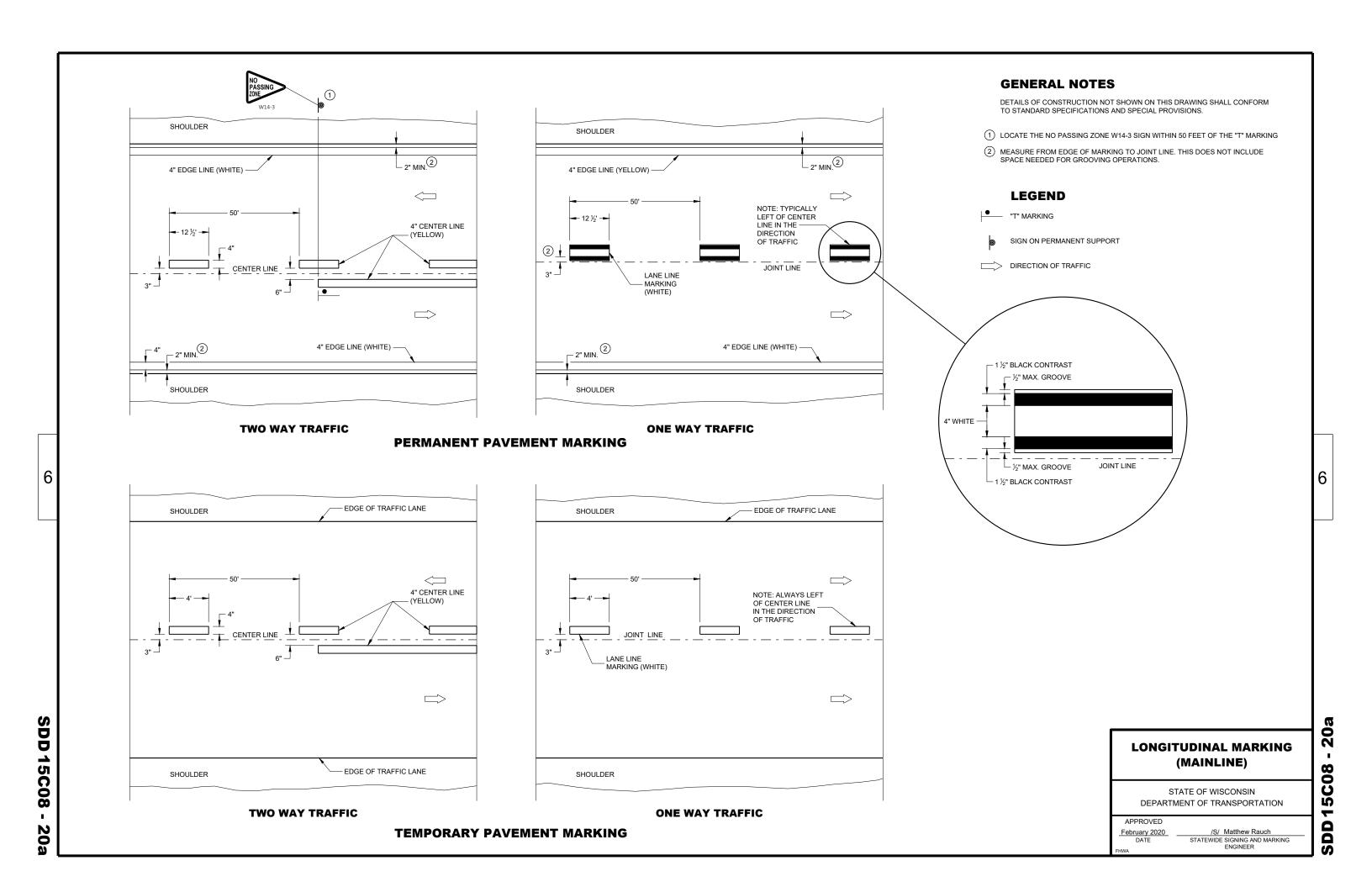
/S/ Andrew Heidtke
WORK ZONE ENGINEER

D 15C02



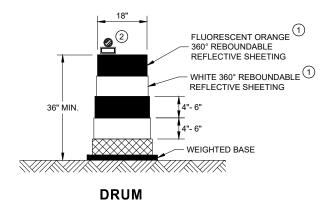
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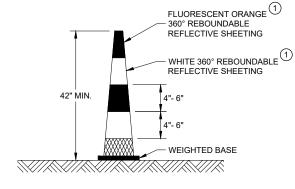




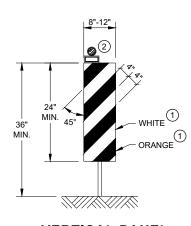
### **GENERAL NOTES**

- (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.

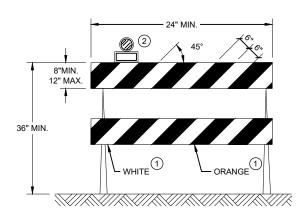




**42" CONE** DO NOT USE IN TAPERS ½ SPACING OF DRUMS

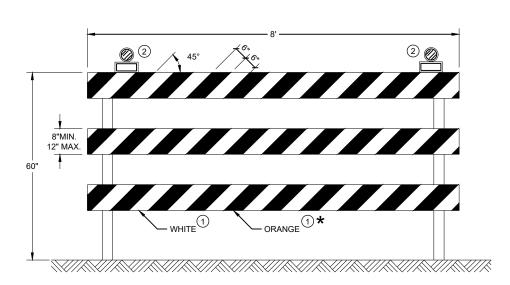


**VERTICAL PANEL** THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



### **TYPE II BARRICADE**

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



### **TYPE III BARRICADE**

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

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

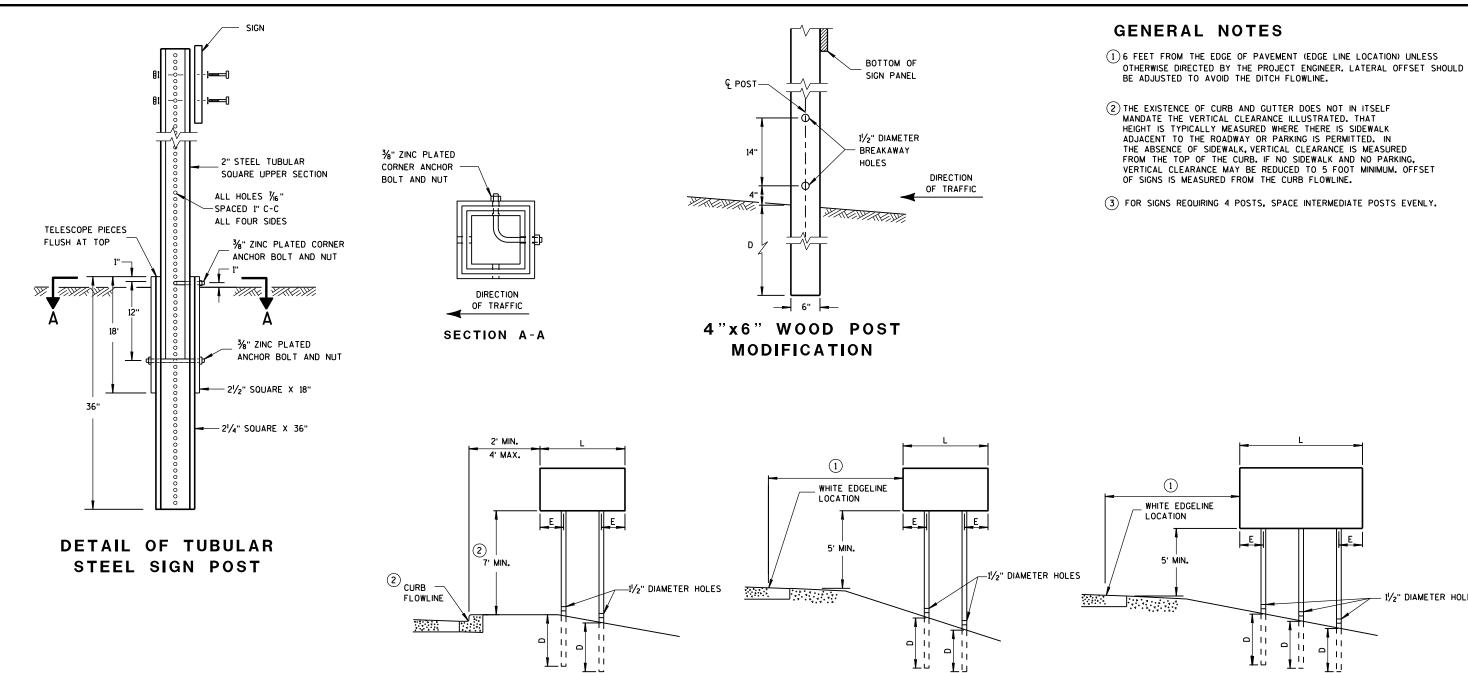
### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

<u>60</u>

15C

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2021	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
EHW/A	



TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

### POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

AREA OF SIGN INSTALLATION (SO. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF	
Ĺ	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	؛ [
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

-11

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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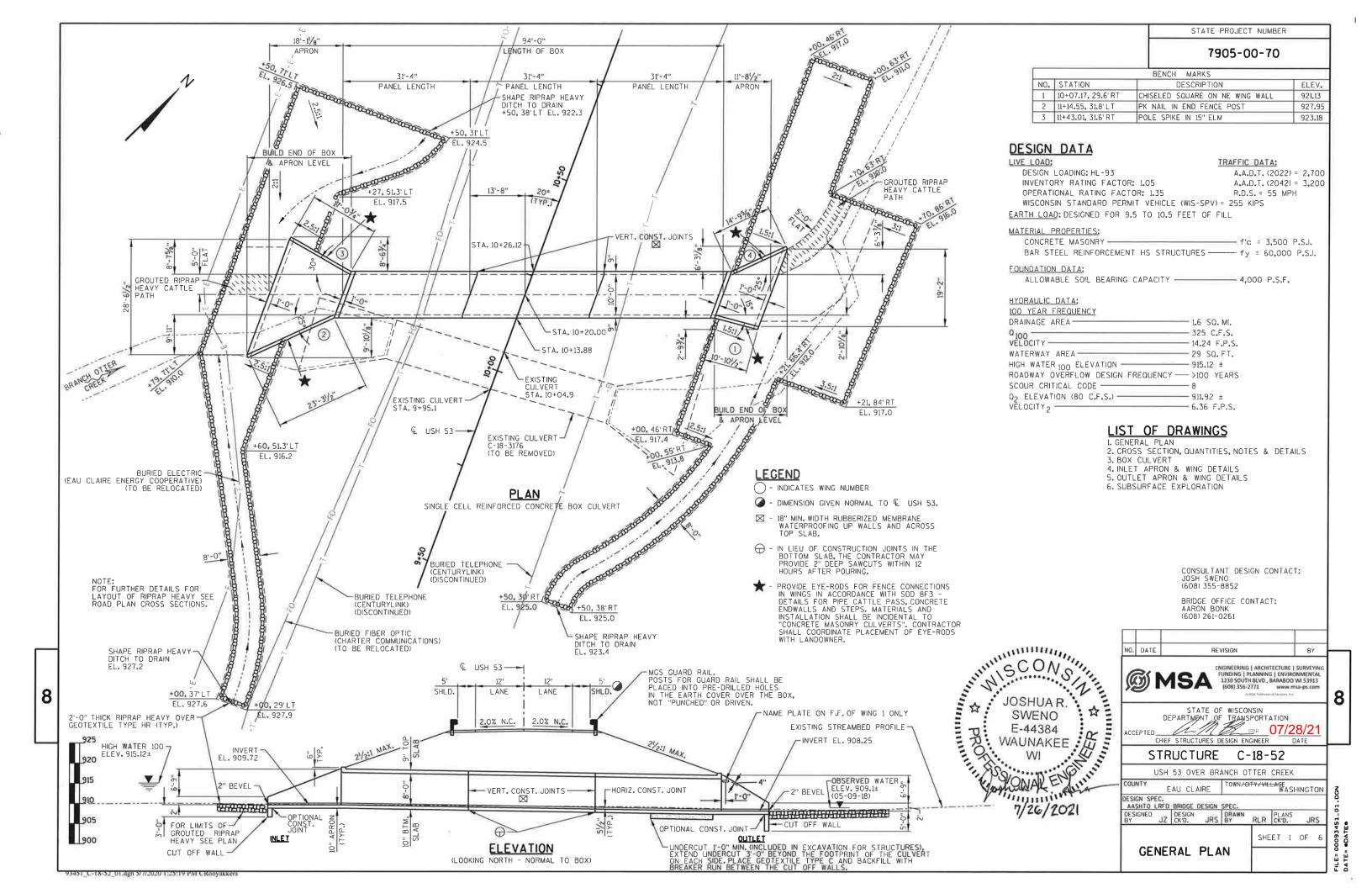
- 11/2" DIAMETER HOLES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017 DATE



#### TOTAL ESTIMATED QUANTITIES

**△**-

ITEM NUMBER	BID ITEM	UNIT	TOTAL
203.0220.01	REMOVING STRUCTURE C-18-3176	EACH	1
206.2000.01	EXCAVATION FOR STRUCTURES CULVERTS C-18-52	LS	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1,755
311.0110	BREAKER RUN	TON	157
504.0100	CONCRETE MASONRY CULVERTS	CY	140
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	21,000
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,160
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	27
606.0300	RIPRAP HEAVY	CY	415
606.0700	GROUTED RIPRAP HEAVY	CY	13
645.0105	GEOTEXTILE TYPE C	SY	298
645.0120	GEOTEXTILE TYPE HR	SY	815
	NON-BID ITEMS		
	PREFORMED FILLER	SIZE	3/4"

### GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST IN PLACE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

THIS STRUCTURE WILL REPLACE THE EXISTING STRUCTURE, A 10'WIDE X 10'HIGH SINGLE CELL REINFORCED CONCRETE BOX CULVERT.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS C-18-52" SHALL BE THE EXISTING GROUND LINE.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE B" REQUIRED ON THE BOX CULVERT SIDES AND TOP AND BEHIND WINGS FOR 3 FEET.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 STANDARDS OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES". ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "BACKFILL STRUCTURE TYPE B" OF 6" MIN.

A - BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

FILL MATERIAL EXCAVATED FOR THE CONSTRUCTION OF THE NEW STRUCTURE SHALL BE USED TO FILL THE SPACE OCCUPIED BY THE EXISTING STRUCTURE AFTER ITS REMOVAL. THIS WORK SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

APRONS AND BOTTOM SLAB MAY BE POURED CONTINUOUSLY.

-FINISHED GRADE

-BACKFILL STRUCTURE

JNDERCUT 1'-0" MIN. (INCLUDED IN EXCAVATION FOR STRUCTURES) EXTEND

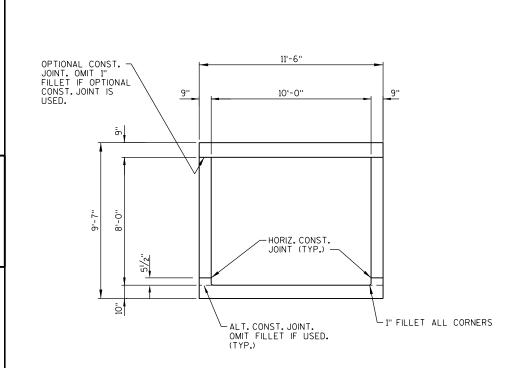
UNDERCUT 3'-O" BEYOND THE FOOTPRINT

PAY LIMITS A

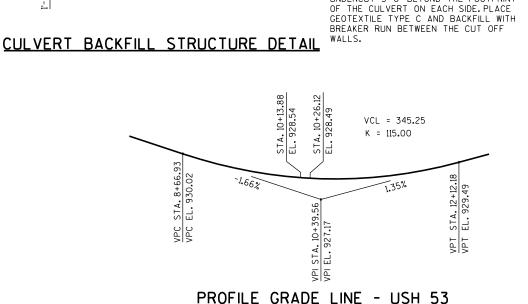
TOP OF BOX CULVERT

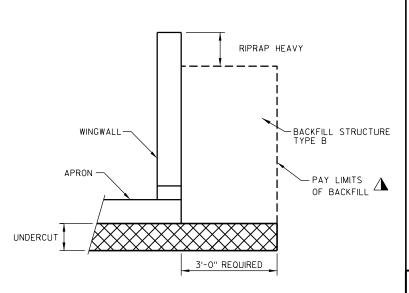
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2012 ADJUSTED). BENCHMARKS WERE LOCATED IN THE FIELD USING GPS TECHNOLOGY.

A TEMPORARY WATER DIVERSION SHALL BE PROVIDED DURING CONSTRUCTION OF THE NEW CULVERT. THE TEMPORARY WATER DIVERSION BID ITEM IS DETAILED IN THE SPECIAL PROVISIONS AND PROVIDED IN THE ROADWAY QUANTITIES.



TYPICAL SECTION THRU BOX





## WINGWALL BACKFILL DETAIL

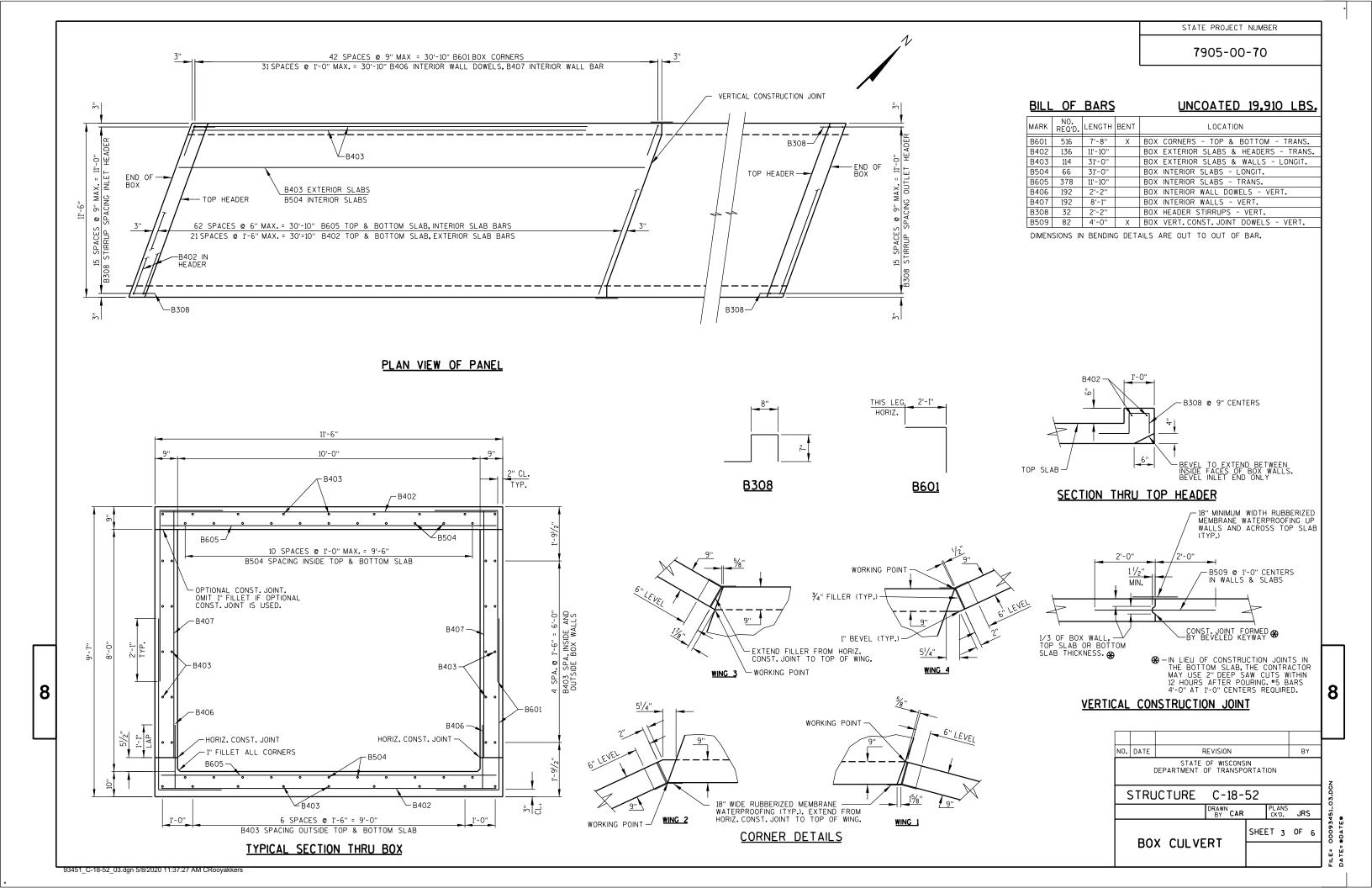
REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE C-18-52 DRAWN BY RLR JRS CROSS SECTION, QUANTITIES, NOTES & DETAILS SHEET 2 OF

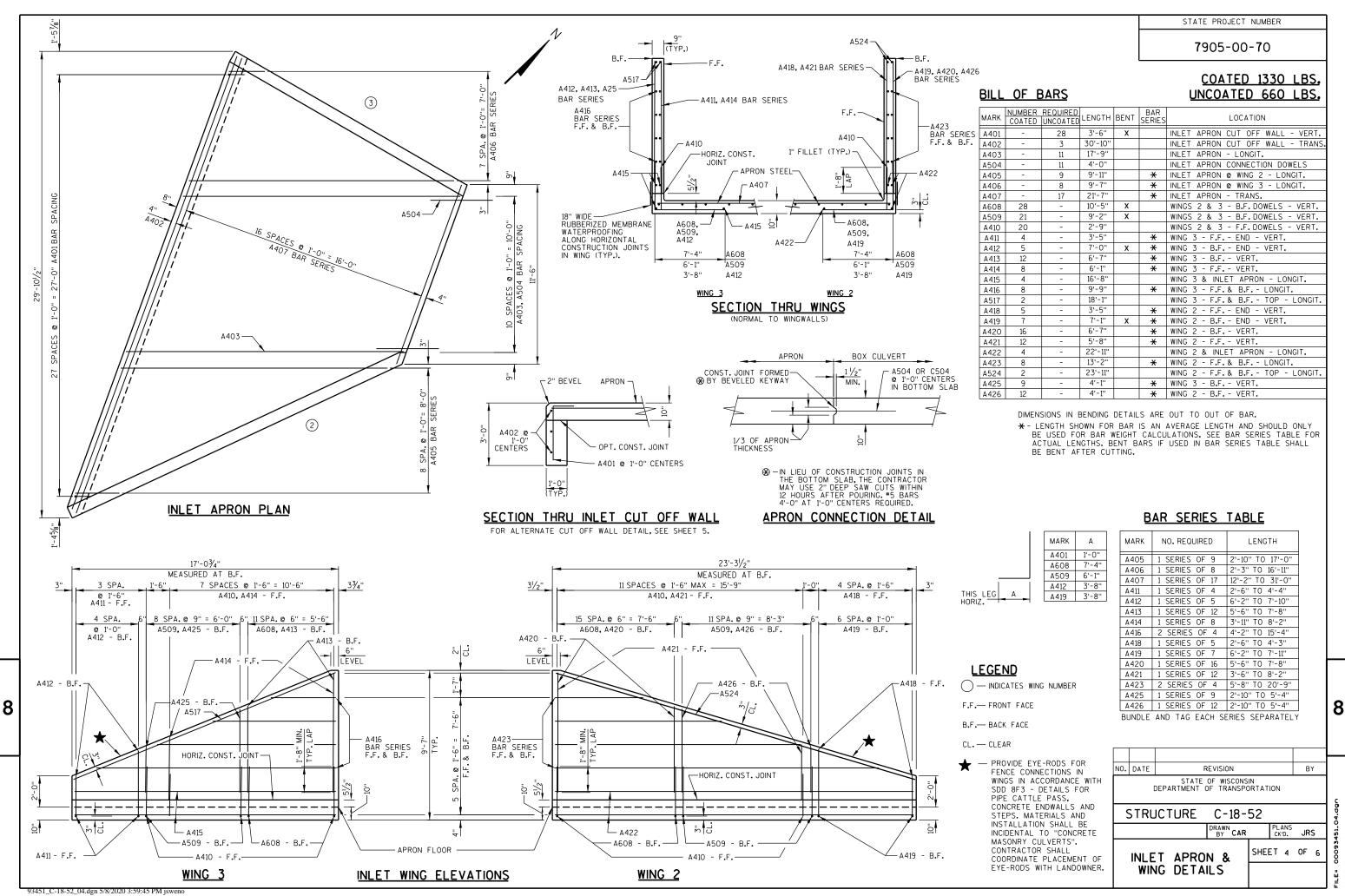
STATE PROJECT NUMBER

7905-00-70

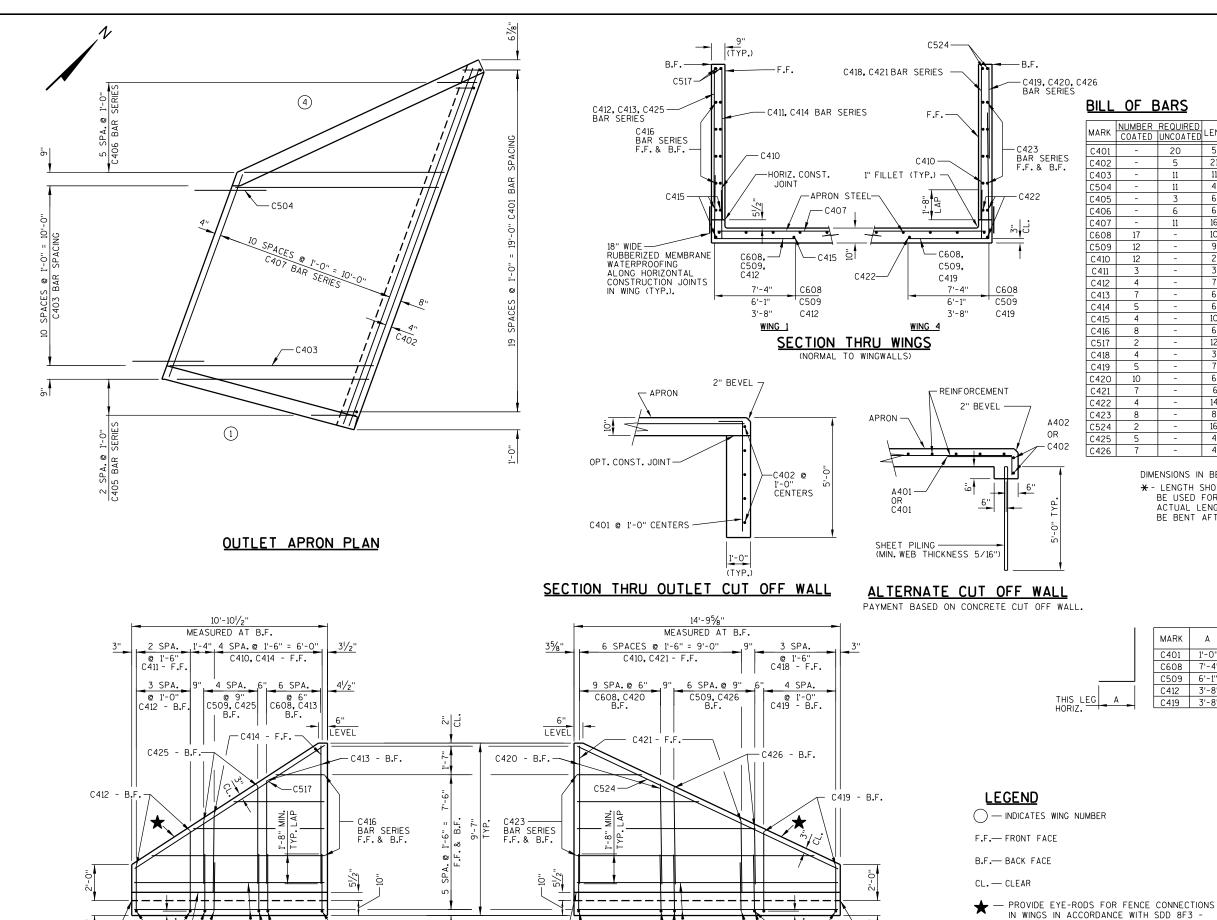
REO'D.

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DATE= 5/8/2020



HORIZ. CONST. JOINT

**OUTLET WING ELEVATIONS** 

-C422

WING 4

→ C509 - B.F.

-C608 - B.F.

C410 - F.F.-

STATE PROJECT NUMBER

7905-00-70

COATED 830 LBS. UNCOATED 430 LBS.

MARK	NUMBER COATED	REQUIRED UNCOATED	LENGTH	BENT	BAR SERIES	LOCATION		
C401	-	20	5'-6"	Х		OUTLET APRON CUT OFF WALL - VERT.		
C402	-	5	21'-2"			OUTLET APRON CUT OFF WALL - TRANS.		
C403	-	11	11'-4''			OUTLET APRON - LONGIT.		
C504	-	11	4'-0"			OUTLET APRON CONNECTION DOWELS		
C405	-	3	6'-7"		*	OUTLET APRON @ WING 1 - LONGIT.		
C406	-	6	6'-8"		*	OUTLET APRON @ WING 4 - LONGIT.		
C407	-	11	16'-6"		*	OUTLET APRON - TRANS.		
C608	17	-	10'-5"	Х		WINGS 1 & 4 - B.F. DOWELS - VERT.		
C509	12	-	9'-2"	Х		WINGS 1 & 4 - B.F. DOWELS - VERT.		
C410	12	-	2'-9"			WINGS 1 & 4 - F.F. DOWELS - VERT.		
C411	3	-	3'-5"		*	WING 1 - F.F END - VERT.		
C412	4	-	7'-2"	Х	*	WING 1 - B.F END - VERT.		
C413	7	-	6'-9"		*	WING 1 - B.F VERT.		
C414	5	-	6'-2"		*	WING 1 - F.F VERT.		
C415	4	-	10'-7"			WING 1 & OUTLET APRON - LONGIT.		
C416	8	-	6'-2"		*	WING 1 - F.F. & B.F LONGIT.		
C517	2	-	12'-7"			WING 1 - F.F. & B.F TOP - LONGIT.		
C418	4	-	3'-7"		*	WING 4 - F.F END - VERT.		
C419	5	-	7'-2"	Х	*	WING 4 - B.F END - VERT.		
C420	10	-	6'-8"		*	WING 4 - B.F VERT.		
C421	7	-	6'-1"		*	WING 4 - F.F VERT.		
C422	4	-	14'-6"			WING 4 & OUTLET APRON - LONGIT.		
C423	8	-	8'-5"		*	WING 4 - F.F. & B.F LONGIT.		
C524	2	-	16'-0"			WING 4 - F.F. & B.F TOP - LONGIT.		
C425	5	-	4'-6"		*	WING 1 - B.F VERT.		
C426	7	-	4'-3"		*	WING 4 - B.F VERT.		

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

MARK

C401

DETAILS FOR PIPE CATTLE PASS, CONCRETE

INSTALLATION SHALL BE INCIDENTAL TO "CONCRETE MASONRY CULVERTS". CONTRACTOR SHALL COORDINATE PLACEMENT OF EYE-RODS

ENDWALLS AND STEPS. MATERIALS AND

WITH LANDOWNER.

-APRON FLOOR

C608 7'-4" C509 6'-1" C412 3'-8"

C419 3'-8"

Δ

1'-0"

\*- LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS. BENT BARS IF USED IN BAR SERIES TABLE SHALL BE BENT AFTER CUTTING.

#### **BAR SERIES TABLE**

MARK	NO. REQUIRED	LENGTH
C405	1 SERIES OF 3	2'-6" TO 10'-8"
C406	1 SERIES OF 6	2'-3" TO 11'-1"
C407	1 SERIES OF 11	11'-11" TO 21'-0"
C411	1 SERIES OF 3	2'-6" TO 4'-5"
C412	1 SERIES OF 4	6'-2" TO 8'-1"
C413	1 SERIES OF 7	5'-10" TO 7'-8"
C414	1 SERIES OF 5	4'-3" TO 8'-2"
C416	2 SERIES OF 4	2'-9" TO 9'-7"
C418	1 SERIES OF 4	2'-6" TO 4'-8"
C419	1 SERIES OF 5	6'-2" TO 8'-1"
C420	1 SERIES OF 10	5'-8" TO 7'-8"
C421	1 SERIES OF 7	4'-0" TO 8'-2"
C423	2 SERIES OF 4	3'-7" TO 13'-2"
C425	1 SERIES OF 5	3'-6" TO 5'-6"
C426	1 SERIES OF 7	3'-2" TO 5'-4"

BUNDLE AND TAG EACH SERIES SEPARATELY

						_	
NO.	DATE		REVISION				BY
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION						
(	STRUCTURE C-18-52						
				DRAWN BY CAR	PLANS CK'D.		JRS

**OUTLET APRON &** WING DETAILS

SHEET 5 OF 6

8

C411 - F.F.

HORIZ. CONST. JOINT

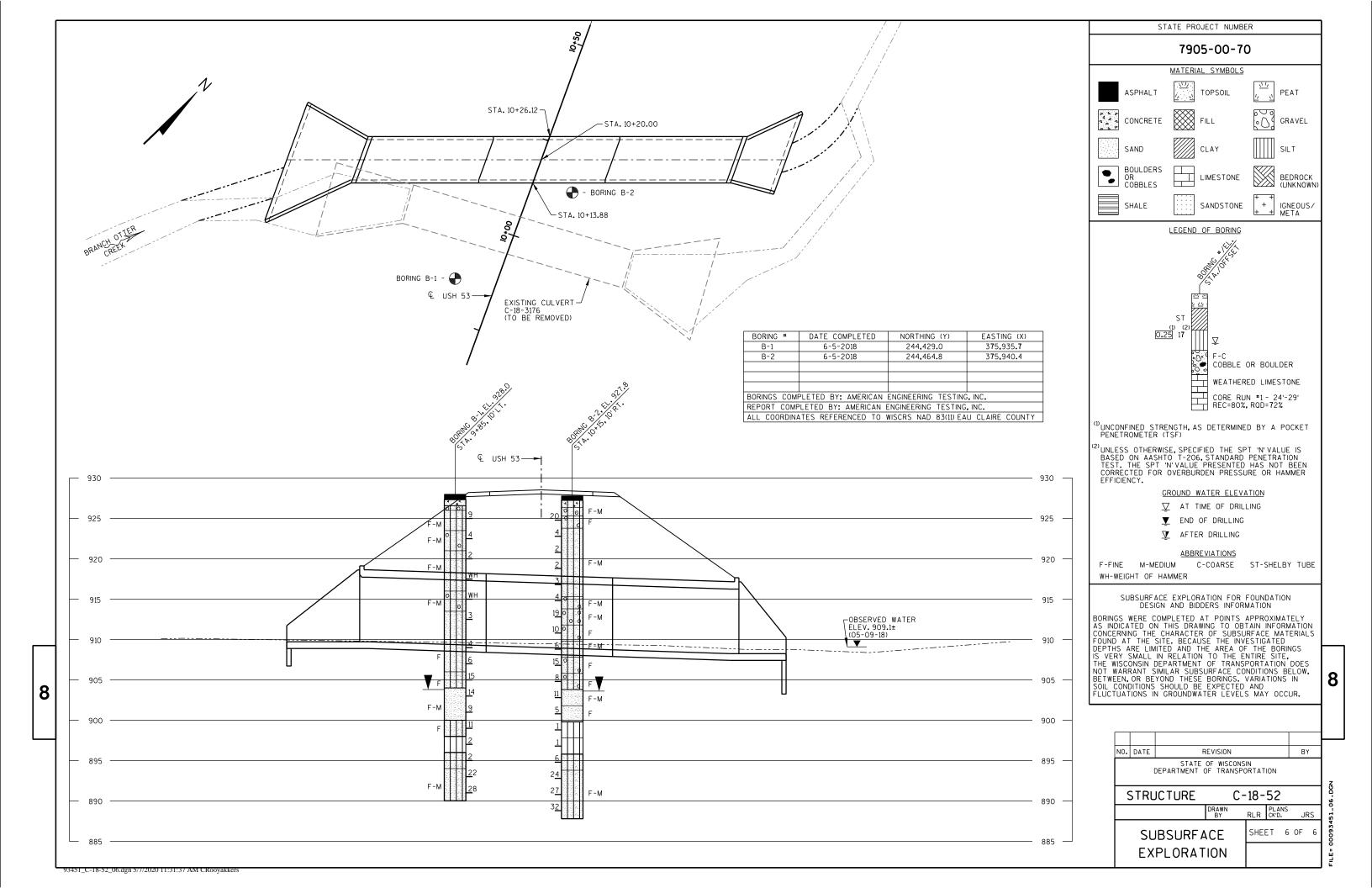
WING 1

\_c509 - B.F.→

— C410 - F.F.-

└\_C608 - B.F.

APRON FLOOR-



#### PROJECT I.D. 7905-00-70 EARTHWORK SUMMARY

	EXCAVATION	EXCAVATION		EXPANDED	
	COMMON	ROCK	FILL (1)	FILL (2)	BORROW
STA	CY	CY	CY	CY	CY
8+00.00					
	134	0	3	4	-130
8+50.00					
	163	0	11	14	-149
9+10.00					
	56	0	10	13	-43
9+35.00		•		•	
0.00.00	59	0	46	60	1
9+60.00	72	0	478	621	549
10+00.00	12	U	4/0	021	549
10+00.00	71	0	529	688	617
10+41.25	71	U	329	000	017
10+41.23	49	0	129	168	119
10+66.25	10	ŭ	120	100	110
101 00120	45	0	133	173	128
10+91.25					
	117	0	183	238	121
11+50.00					
	60	0	19	25	-35
11+78.75					
	60	0	6	8	-52
12+03.75					
	69	0	3	4	-65
12+28.75		_	_	_	
	55	0	0	0	-55
12+50.00					
SUBTOTALS	1,010	0	1,550	2,016	1,006
UNUSABLE PAVEMENT (3)					577
TOTALS	1,010	0	1,550	2,016	1,583

<sup>(1) -</sup> NOT A BID ITEM - FOR INFORMATIONAL PURPOSES ONLY.

9

PROJECT NO: 7905-00-70 HWY: USH 53 COUNTY: EAU CLAIRE EARTHWORK: SHEET E

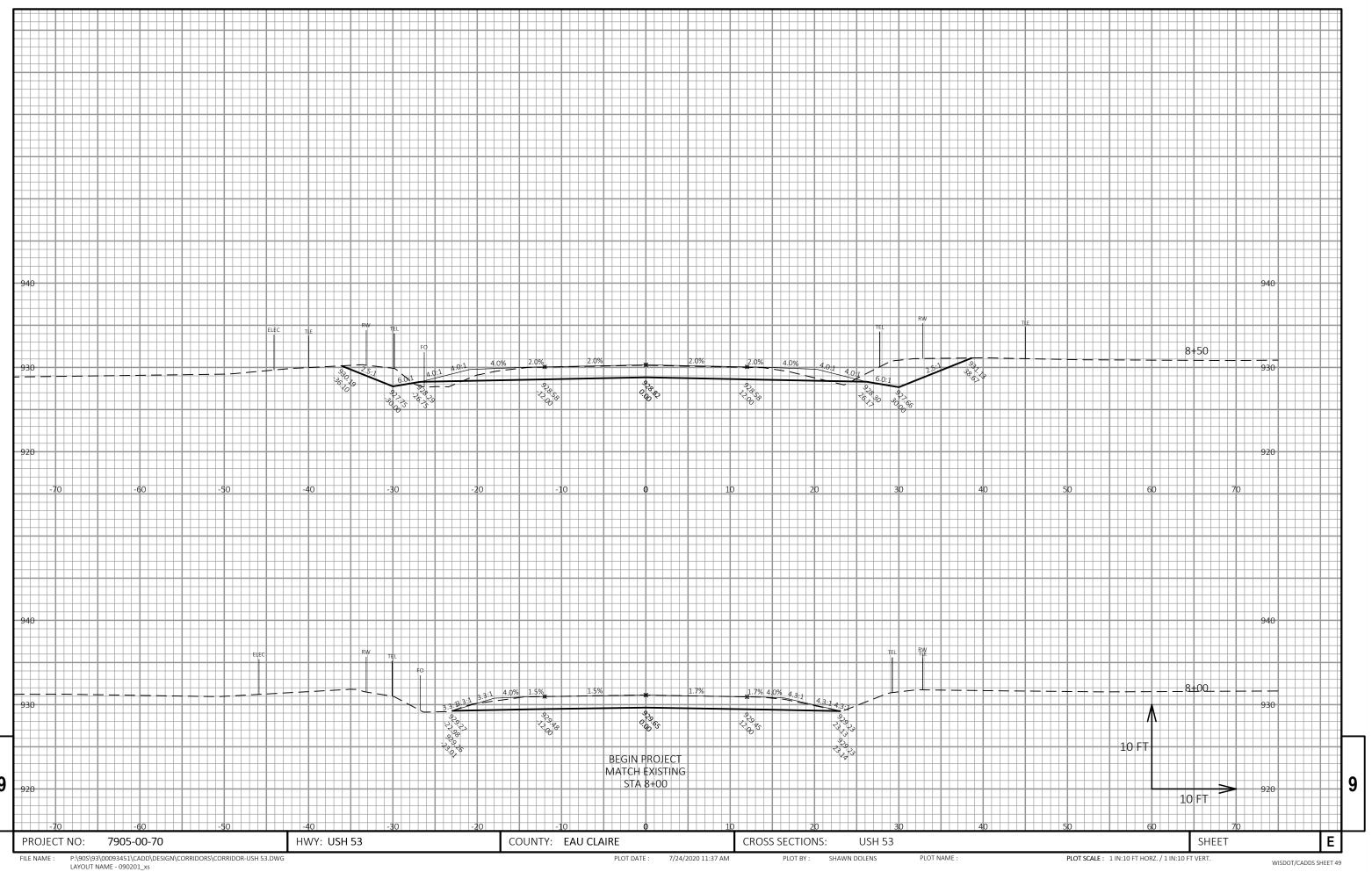
9

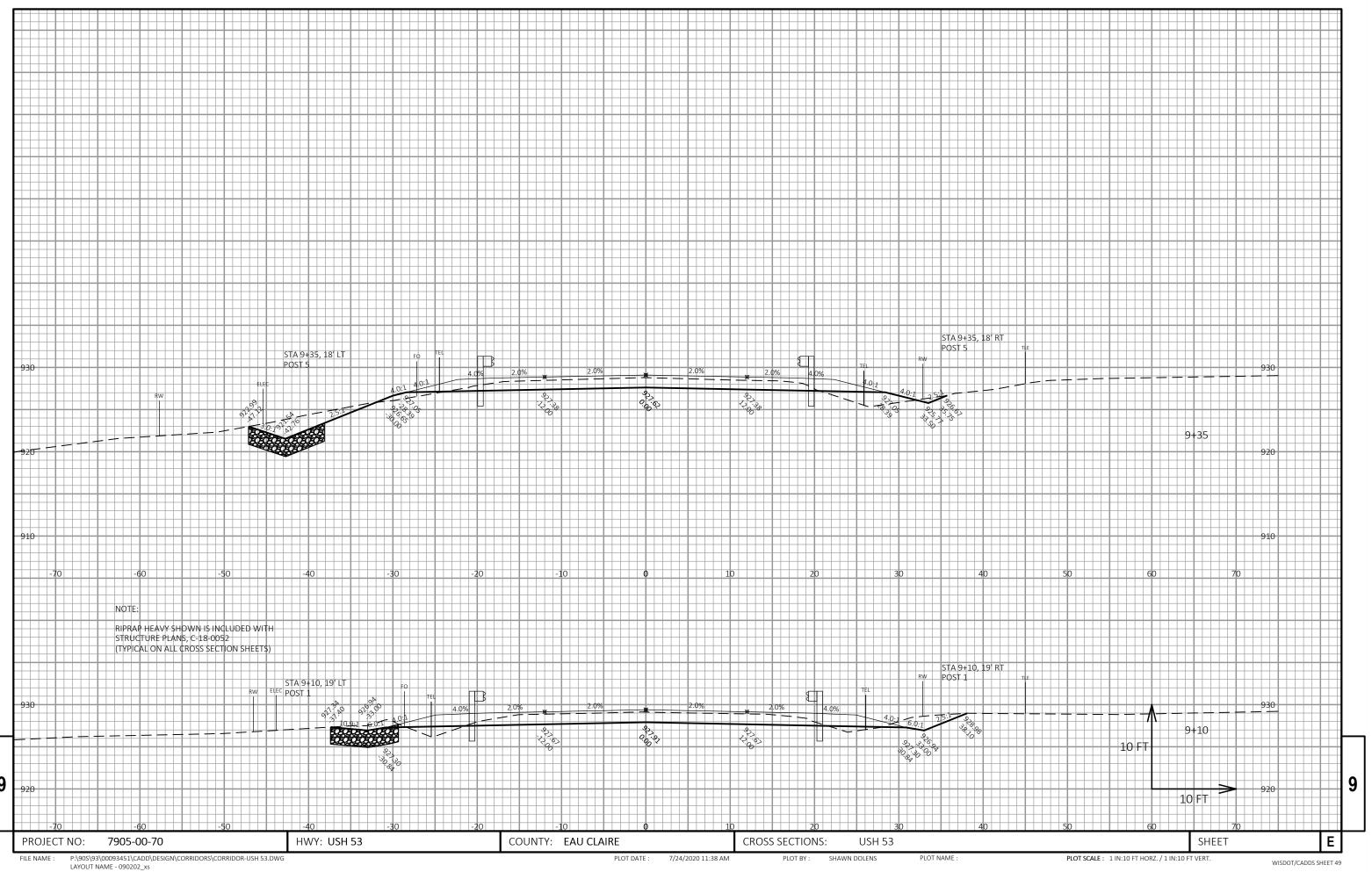
FILE NAME: P:\905\93\00093451\CADD\SHEETSPLAN\090101-EW.DWG

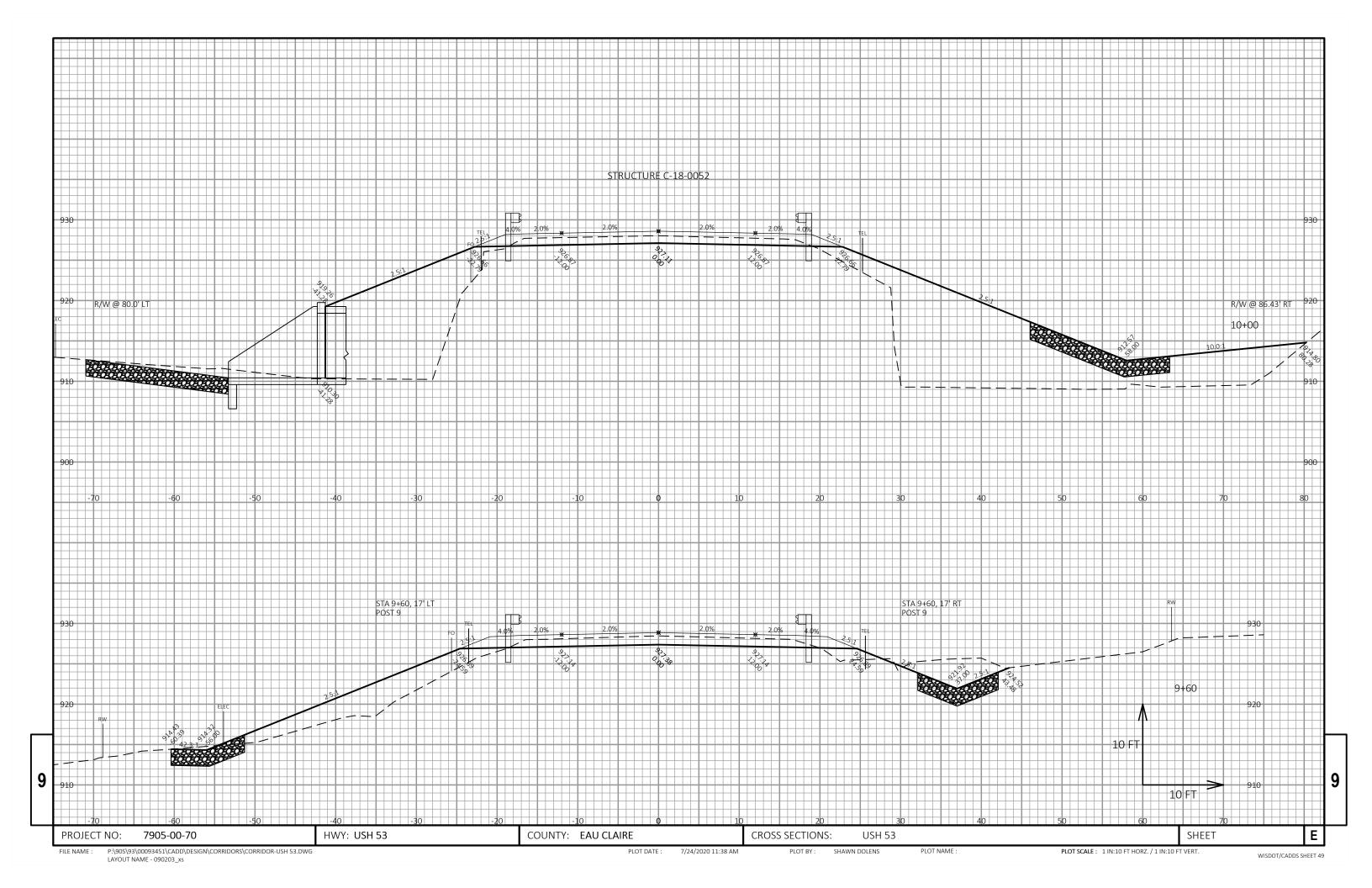
PLOT DATE: 4/15/2020 7:54 AM
PLOT BY: SHAWN DOLENS
PLOT NAME: PIOT SCALE: 1 IN:40 FT
WISDOT/CADDS SHEET 49

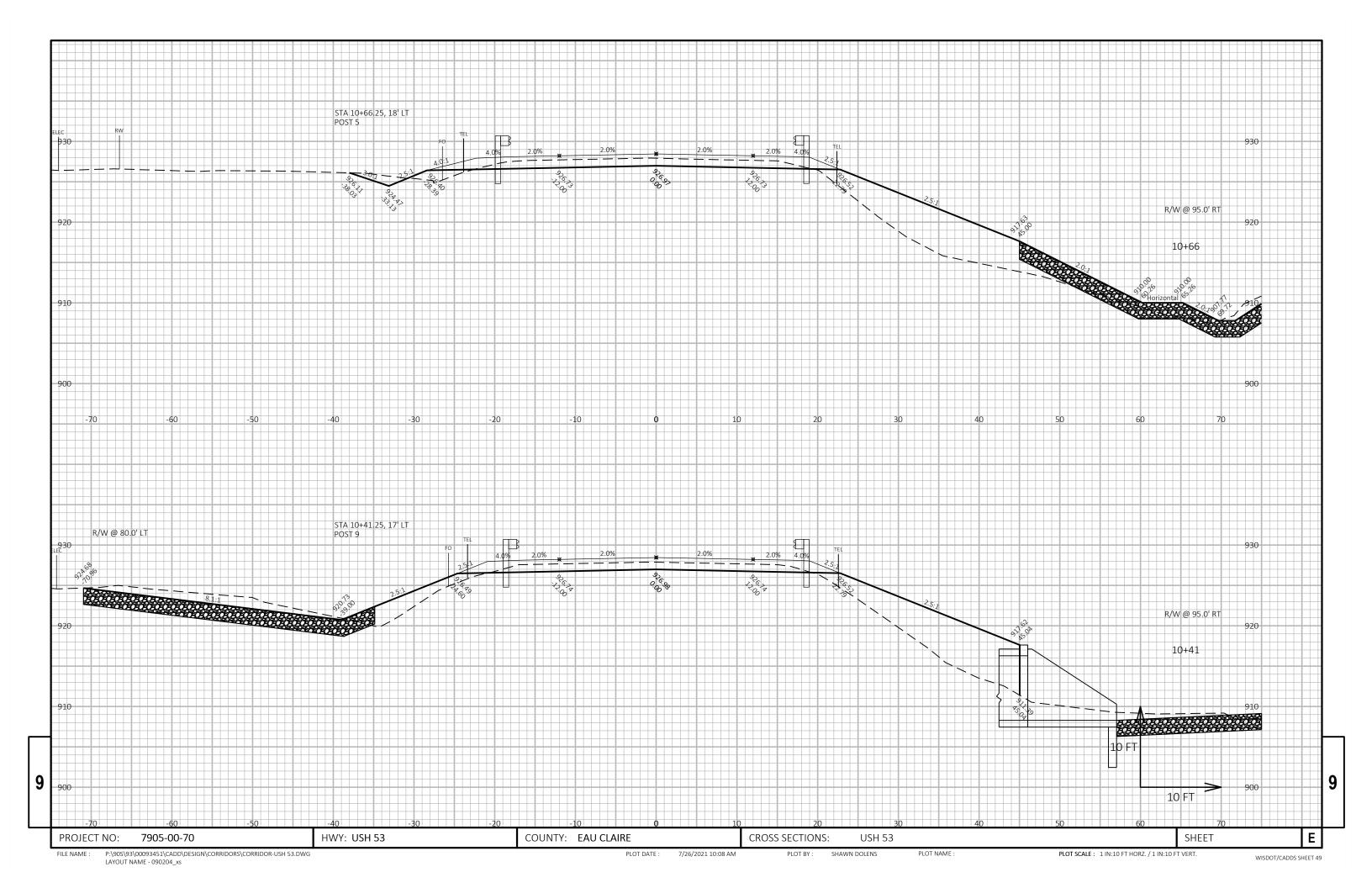
<sup>(2) -</sup> FILL EXPANSION 30%

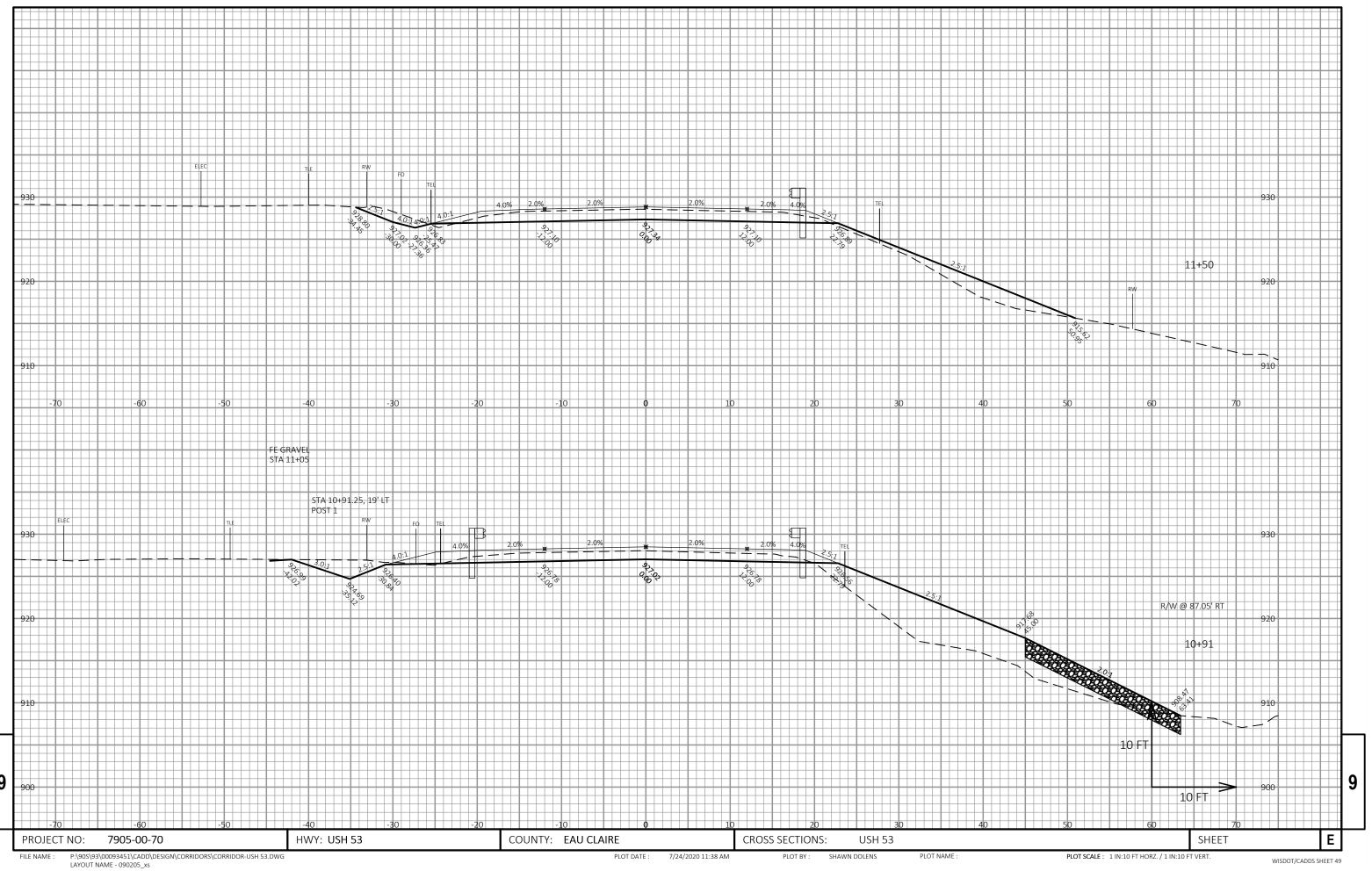
<sup>(3) -</sup> EXISTING PAVEMENT BASED ON AVE THK OF 7.25" OF ASPHALT & 10" CONCRETE PER BORING LOG.

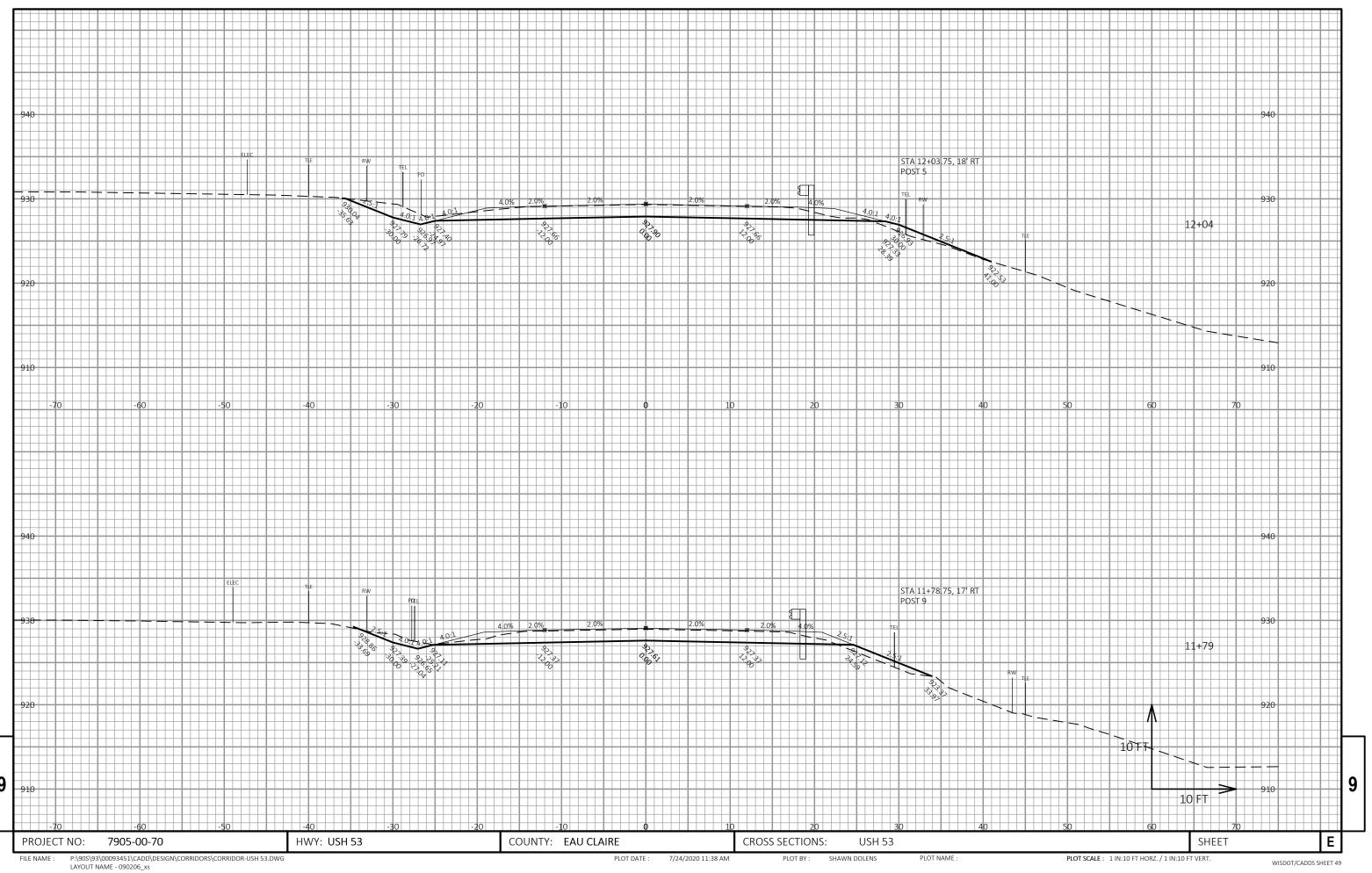


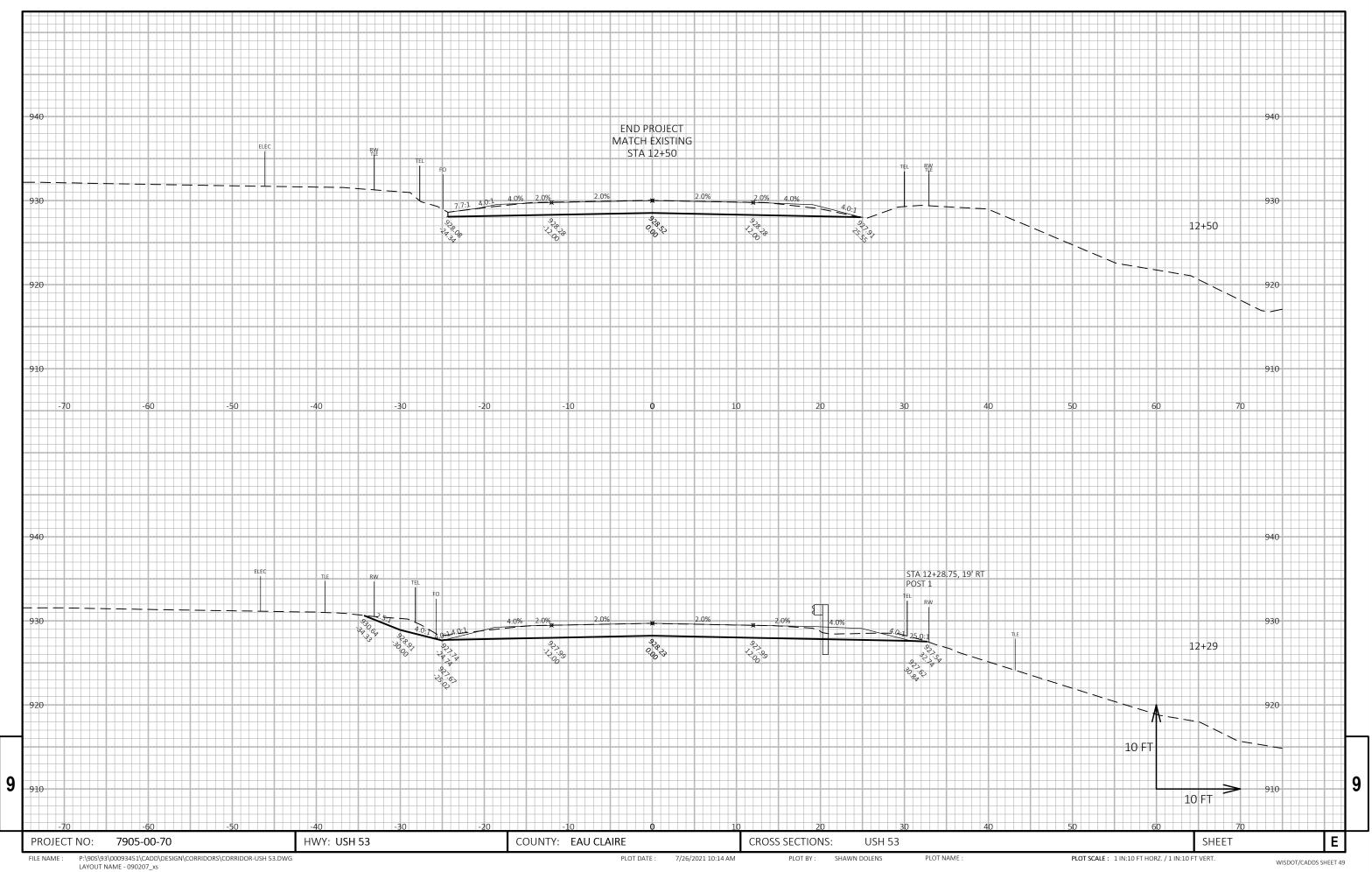


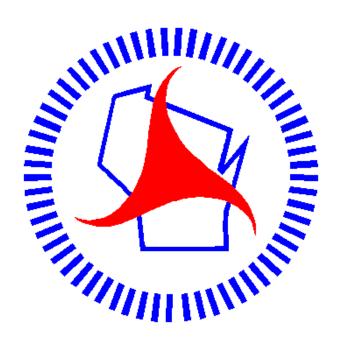












# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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