gre	FEB 13, 20	24		
	ORDER OF S	BHEETS		
PROJECT ID: 4986-00-59	Section No, Section No, Section No, Section No, Section No, Section No, Section No, Section No, Section No, Section No,	1 2 3 4 5 6 7 8 9 9 9	Title Typical Sections and Details Estimate of Quantities Miscellaneous Quantities Right of Way Plat Plan and Profile Standard Detail Drawings Sign Plates Structure Plans Computer Earthwork Data Cross Sections	VN
				<u>BEGIN</u> S

#### DESIGN DESIGNATION

A.A.D.T.	2024	=	1,140
A.A.D.T.	2044	=	1,390
D.H.V.		=	
D.D.		=	
Т.		=	7.0%
DESIGN SPEED		=	30 MPH
ESALS		=	190,000 HMA



CORPORATE LIMITS	///////	GRADE LINE
PROPERTY LINE		ORIGINAL GROUNI
LOT LINE		MARSH OR ROCK F (To be noted as su
LIMITED HIGHWAY EASEMENT	L	SPECIAL DITCH
EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE		GRADE ELEVATION
SLOPE INTERCEPT		CULVERT (Profile V
REFERENCE LINE	300'EB'	UTILITIES
EXISTING CULVERT		ELECTRIC
		FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	<b>-</b>	GAS
COMBUSTIBLE FLUIDS	Mr	SANITARY SEWER
COMBOSTIBLE FLOIDS	-CAUTION-	STORM SEWER
		TELEPHONE
MARSH AREA	(III)	WATER
		UTILITY PEDESTAL
		POWER POLE
WOODED OR SHRUB AREA	ξ	TELEPHONE POLE



ROCK

д

q

ø

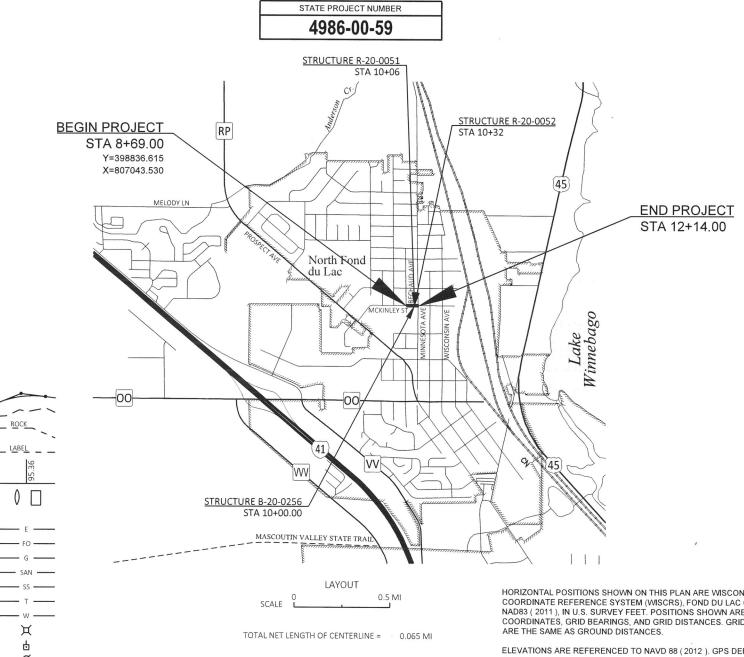
# **STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION**

PLAN OF PROPOSED IMPROVEMENT

# NORTH FOND DU LAC, MCKINLEY STREET

MOSHER CREEK BRIDGE

LOC STR FOND DU LAC COUNTY



FILE NAME : S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-010101-TI.DWG

ELEVATIONS ARE BASED ON GEOID 12A.

C

Τ		FEDERAL PROJEC	Т
	STATE PROJECT	PROJECT	CONTRACT
	4986-00-59	WISC 2024233	1
	ат систем и и и и и и и и и и и и и и и и и и и		
			1
		ACCEPTED FOR	
		VILLAGE OF NORTH FONL	) DU LAC
		Date 10/23/23	1/16
		Date MITCH VIS DIRECTOR OF PUBL	C WORKS
		ORIGINAL PLANS PREPAR	
			EU DI
		GREMMER	,
		& Associates,	INC.
		CONSULTING Stevens Point • Fond 93 South Pioneer Road,	du Lac
		Fond du Lac, W 54 (920) 924-572	935
		IN ISCONS/	MIL
		ANDREW L.	
		RALEMP E-33645 FOND DU LAC. WI INTERSONAL ENGINEERIC	
		FOND DU LAC,	ER
		jo w	3
		SIONAL EN INT	.s
		- ANNING THE -	
		10/20/23 andres 2	Klemp
		ANDREW L. KL	EMP, PE
		STATE OF WISCONSI	
		DEPARTMENT OF TRANSPO	RTATION
		PREPARED BY Surveyor GREMMER & ASSO	CIATES, INC.
		Designer GREMMER & ASSO	CIATES, INC.
		Project Manager JODI JAROSI Regional Examiner NORTHEAST F	
		Regional SupervisorBRIAN EDW.	
E GRID D DIST.	ANCES	APPROVED FOR THE DEPARTMENT DATE: 10/24/2023 Januarinski	
RIVED		DATE: 10/24/2023 / / / / (Signature	:)
			E

#### **GENERAL NOTES**

2

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

SAWCUT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATION AND LAYOUT OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

NO FERTILIZER SHALL BE APPLIED WITHIN 20 FEET OF A BODY OF WATER OR WETLAND.

PROPOSED SECTIONS AS SHOWN ON THE CROSS SECTION SHEETS SHOW THE FINISHED SURFACE OF TOPSOIL WHERE REQUIRED.

CONTRACTOR SHALL VERIEV EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATIONS WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES

ROTATE MANHOLE COVERS TO MATCH LANE LINES OR CENTER OF LANE AS DIRECTED BY THE ENGINEER IN THE FIELD.

EROSION CONTROL ITEMS SHOWN ARE APPROXIMATE, THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THE MEASURE IS NO LONGER NECESSARY.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING. TURNING. PASSING, OR PARKING LANE.

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

TACK COAT APPLICATION RATE BASED ON 0.050 GAL/SY

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL PLAN
STORM SEWER LAYOUT
SIGNING & PAVEMENT MARKING PLAN
TRAFFIC CONTROL
PEDESTRIAN DETOUR

#### ABBREVIATIONS

BAD

BM

CC

CE

C/L

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EXC

FE

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INV

LHF

MP

NC

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PCC

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TLE

TYP

V VAR

VC

VCL

VPC VPI

VPT

SE

ANNUAL AVERAGE DAILY TRAFFIC A.A.D.T. A.D.T. AVERAGE DAILY TRAFFIC APRON ENDWALL AE, AEW AGGREGATE AGG ASPH ASPHALT BASE AGGREGATE DENSE BENCHMARK CRUSHED AGGREGATE BASE COURSE CABC CENTER OF CURVATURE COMMERCIAL ENTRANCE CENTER LINE CONC CONCRETE CMCP CORRUGATED METAL CULVERT PIPE CORRUGATED METAL PIPE CMP DEGREE OF CURVE DFITA DESIGN HOURLY VOLUME D.H.V. EXTERNAL DISTANCE FROM MIDPOINT OF CIRCULAR CURVE FROM ANGLE INTERSECTION ELEVATION EL. ELEV EQUIVALENT SINGLE AXLE LOADS ESALS EXCAVATION FIELD ENTRANCE FLOW LINE F/L, FL HEIGHT INTER INTERSECTION INVERT LENGTH OF CURVE LEFT HAND FORWARD MARKER POST NORMAL CROWN NOM NOMINAL NOR, NORM NORMAL PAVT PAVEMENT POINT OF CURVE POINT OF COMPOUND CURVE PRIVATE ENTRANCE POINT OF INTERSECTION PROPERTY LINE PERMANENT LIMITED EASEMENT POINT OF TANGENT RADIUS OF CURVE REFERENCE LINE RIGHT OF WAY REVERSE CROWN REINFORCED CONCRETE PIPE REQ'D REQUIRED RUN OFF LENGTH SALV SALVAGED STANDARD DETAIL DRAWING(S) SUPERELEVATION SEGMENT SHLD SHOULDER SURVEY LINE PERCENT TRUCKS TANGENT LENGTH TEMP TEMPORARY TERRACE TEMPORARY LIMITED EASEMENT TYPICAL VELOCITY OR DESIGN SPEED VARIABLE VERTICAL CURVE VERTICAL CURVE LENGTH VERTICAL POINT OF CURVATURE VERTICAL POINT OF INTERSECTION VPRC VERTICAL POINT OF REVERSE CURVATURE VERTICAL POINT OF TANGENCY

#### **DESIGN CONTACT**

GREMMER & ASSOCIATES, INC. 93 S. PIONEER ROAD, SUITE 300 FOND DU LAC, WI 54935 ATTN: ANDREW KIEMP PE PHONE: (920) 924-5720 FMAIL: a.klemp@gremmerassociates.com

#### DNR AREA LIAISON

WISCONSIN DEPT. OF NATURAL RESOURCES NORTHEAST REGION HQ 2984 SHAWANO AVENUE GREEN BAY, WI 54313-6727 ATTN: JEREMIAH SCHIEFELBEIN PHONE: (920)-360-3784 EMAIL: Jeremiah.Schiefelbein@wisconsin.gov

#### WISDOT CONTACT

WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHEAST REGION 944 VANDERPERREN WAY GREEN BAY, WI 54304 ATTN: JODI JAROSINSK PHONE: (920) 360-2351 EMAIL: jodi.jarosinski@dot.wi.gov

#### VILLAGE OF NORTH FOND DU LAC CONTACT

MITCH VIS DIRECTOR OF PUBLIC WORKS 16 GARFIELD STREET NORTH FOND DU LAC, WI 54937 PHONE: (920) 929-3765 EMAIL: mvis@nfdl.org

#### UTILITIES

COMMUNICATIONS AT&T WISCONSIN 70 EAST DIVISION STREET FOND DU LAC, WI 54935 PHONE: (920) 929-1013 MOBILE (920) 410-5104 ATTN: CHARLES BARTELT EMAIL: cb1461@att.com

WATER VILLAGE OF NORTH FOND DU LAC 16 GARFIELD STREET NORTH FOND DU LAC, WI 54937 PHONE: (920) 929-3765 ATTN: MITCH VIS EMAIL: mvis@nfdl.org

SEWER VILLAGE OF NORTH FOND DU LAC 16 GARFIELD STREET NORTH FOND DU LAC, WI 54937 PHONE: (920) 929-3765 ATTN: MITCH VIS EMAIL: mvis@nfdl.org



RUN

					HYDROLOGIC SOIL GROUP								
		Α			В			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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38	
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56	
MEDIAN STRIP-	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30	
TURF	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40	
SIDE SLOPE-			.25			.27			.28			.25	
TURF			.32			.34			.36			.38	
PAVEMENT:													
ASPHALT					.7	7095							
CONCRETE					3.	.8095							
BRICK				.7080									
DRIVES, WALKS					.7	/585							
ROOFS					.7595								
GRAVEL ROADS, SH	HOULDER	S			.4	1060							

TOTAL PROJECT AREA = 0.550 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.557 ACRES

PROJECT N	NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC		GENERAL NOTES	5	
FILE NAME :	S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRI	DGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020101-GN.DWG	PLOT DATE :	12/11/2023 12:34 PM	PLOT BY :	AARON SARAUER	PLOT NAME :

NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020101-GN.DWG FILE NAME LAYOUT NAME - General-Notes

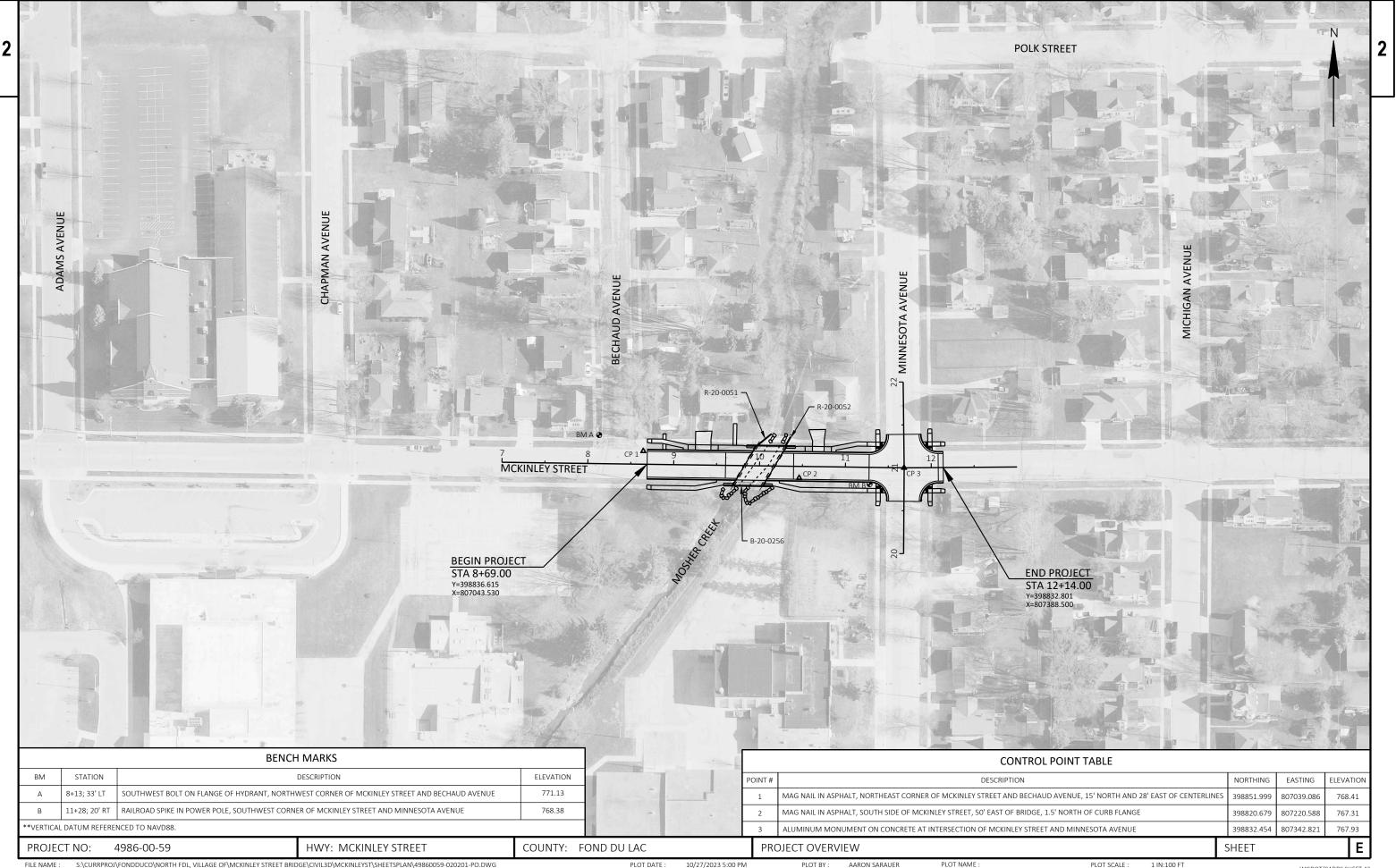
AARON SARAUER

ELECTRIC & GAS ALLIANT ENERGY CORPORATION 883 WEST SCOTT STREET FOND DU LAC, WI 54937 PHONE: (920) 322-6719 ATTN BILL BASTIAN EMAIL: williambastian@alliantenergy.com



SPECTRUM 165 KNIGHTS WAY FOND DU LAC, WI 54935 PHONE: (920) 794-4946 ATTN: TODD HILDEBRANDT EMAIL: todd.hildebrandt@charter.com

SHEET



S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020201-PO.DWG LAYOUT NAME - Overview FILE NAME :

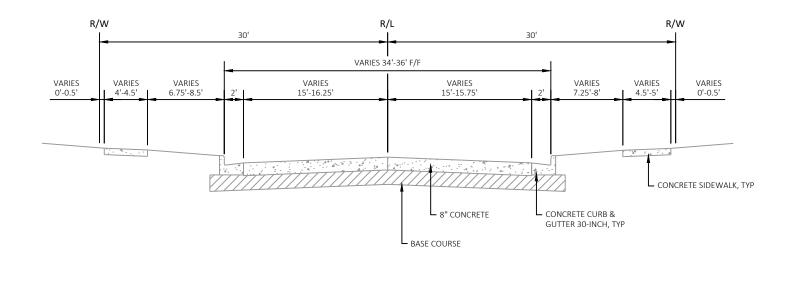
PLOT DATE : 10/27/2023 5:00 PM

AARON SARAUER PLOT BY :

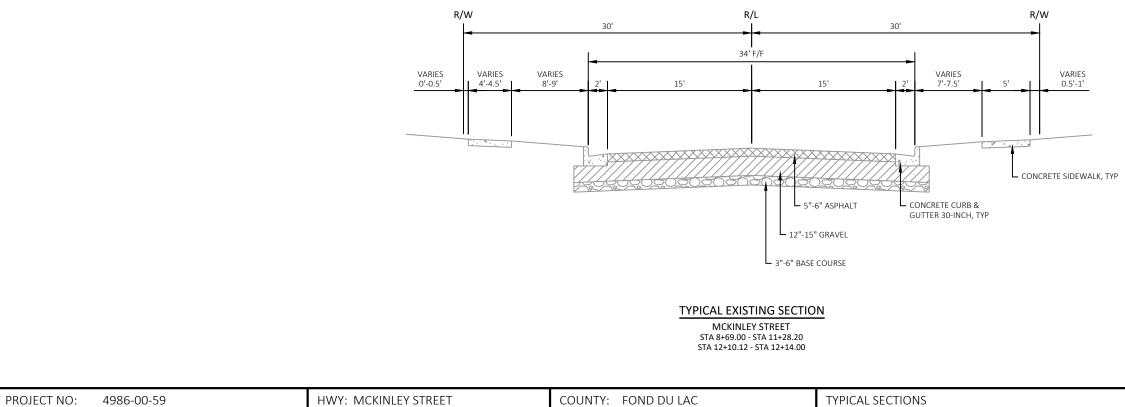
	NORTHING	EASTING	ELEVATION
HAUD AVENUE, 15' NORTH AND 28' EAST OF CENTERLINE	S 398851.999	807039.086	768.41
GE, 1.5' NORTH OF CURB FLANGE	398820.679	807220.588	767.31
REET AND MINNESOTA AVENUE	398832.454	807342.821	767.93
	SHEET		E

WISDOT/CADDS SHEET 42

2



TYPICAL EXISTING SECTION MCKINLEY STREET STA 11+28.20 - STA 12+10.12

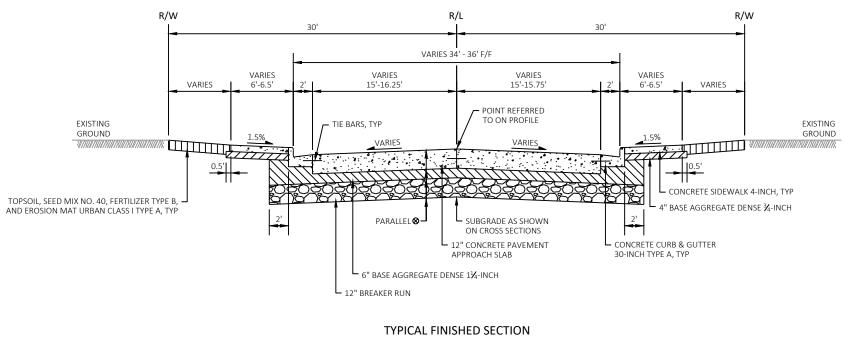


FILE NAME : S:\CURRPROI/FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020301-TS.DWG LAYOUT NAME - Sheet-01 PLOT DATE : 10/27/2023 5:00 PM

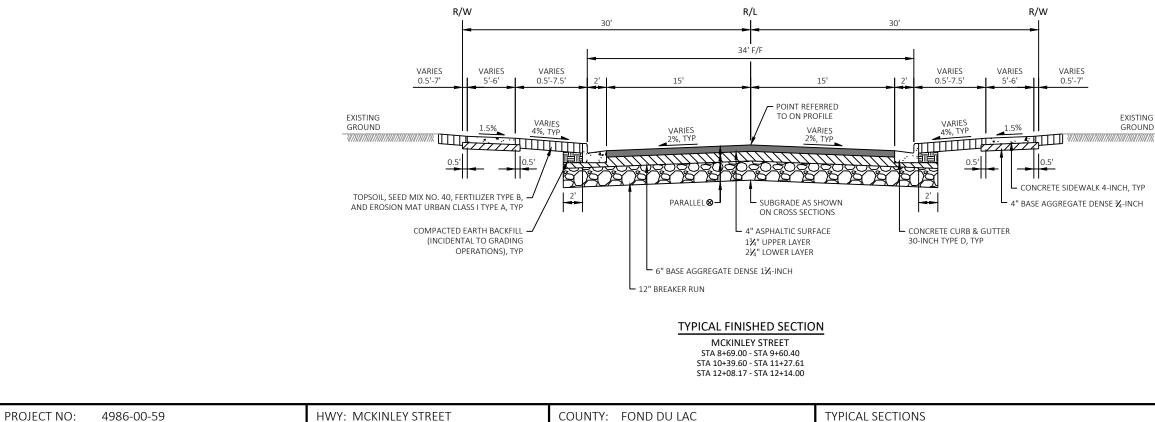
PLOT BY : AARON SARAUER PLOT NAME :

2

2



MCKINLEY STREET STA 9+60.40 -STA 10+39.60



S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020301-TS.DWG FILE NAME : LAYOUT NAME - Sheet-02

PLOT DATE : 10/27/2023 5:00 PM

AARON SARAUER PLOT BY :

PLOT NAME

2

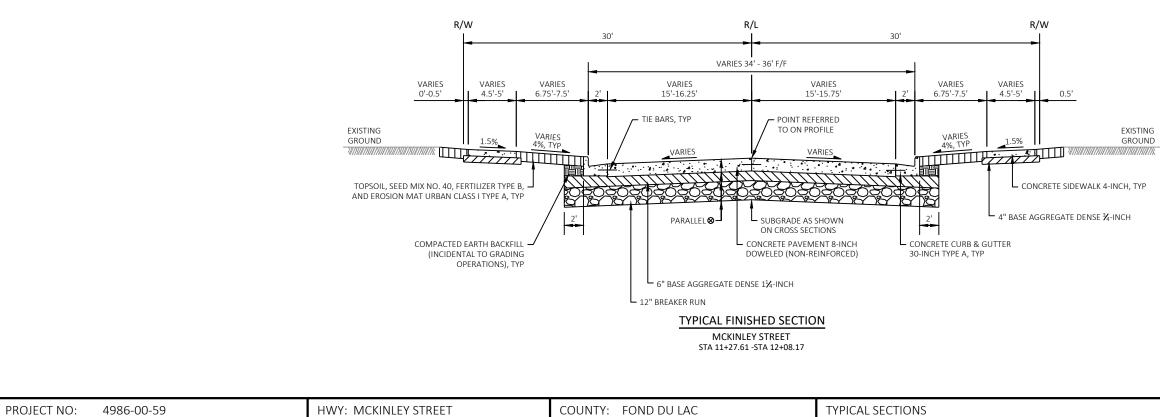
NOTES:

SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

EXISTING GROUND

PLOT SCALE : 1 IN:10 FT





S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-020301-TS.DWG PLOT DATE : FILE NAME : 10/27/2023 5:00 PM LAYOUT NAME - Sheet-03

PLOT BY : AARON SARAUER

PLOT NAME :

2

NOTES:

SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

2

JOINT

TOP OF CURB

FLOW LINE -

VAR. 3' NOR.

EDGE OF PAVEMENT

JOINT

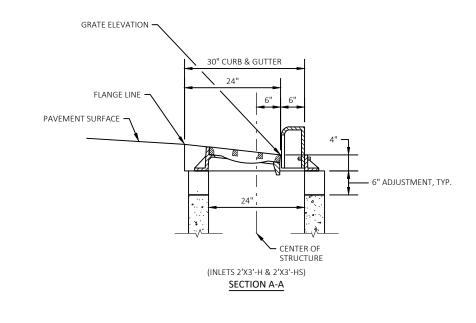
VAR. 3' NOR.

А

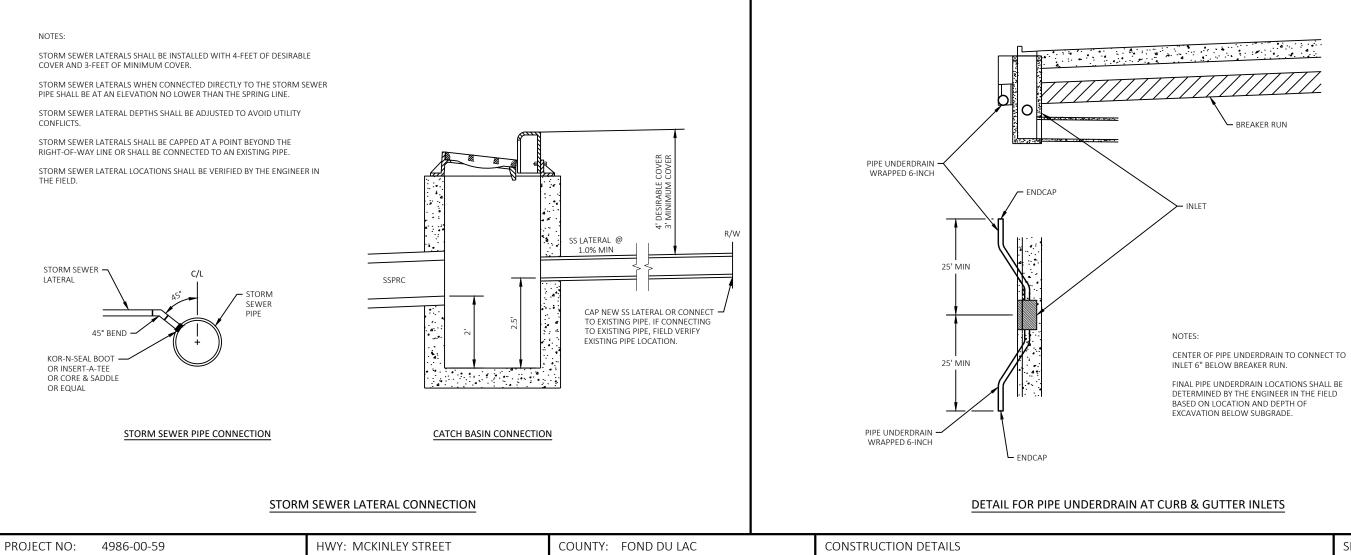
А 

INLET COVER

ELEVATION







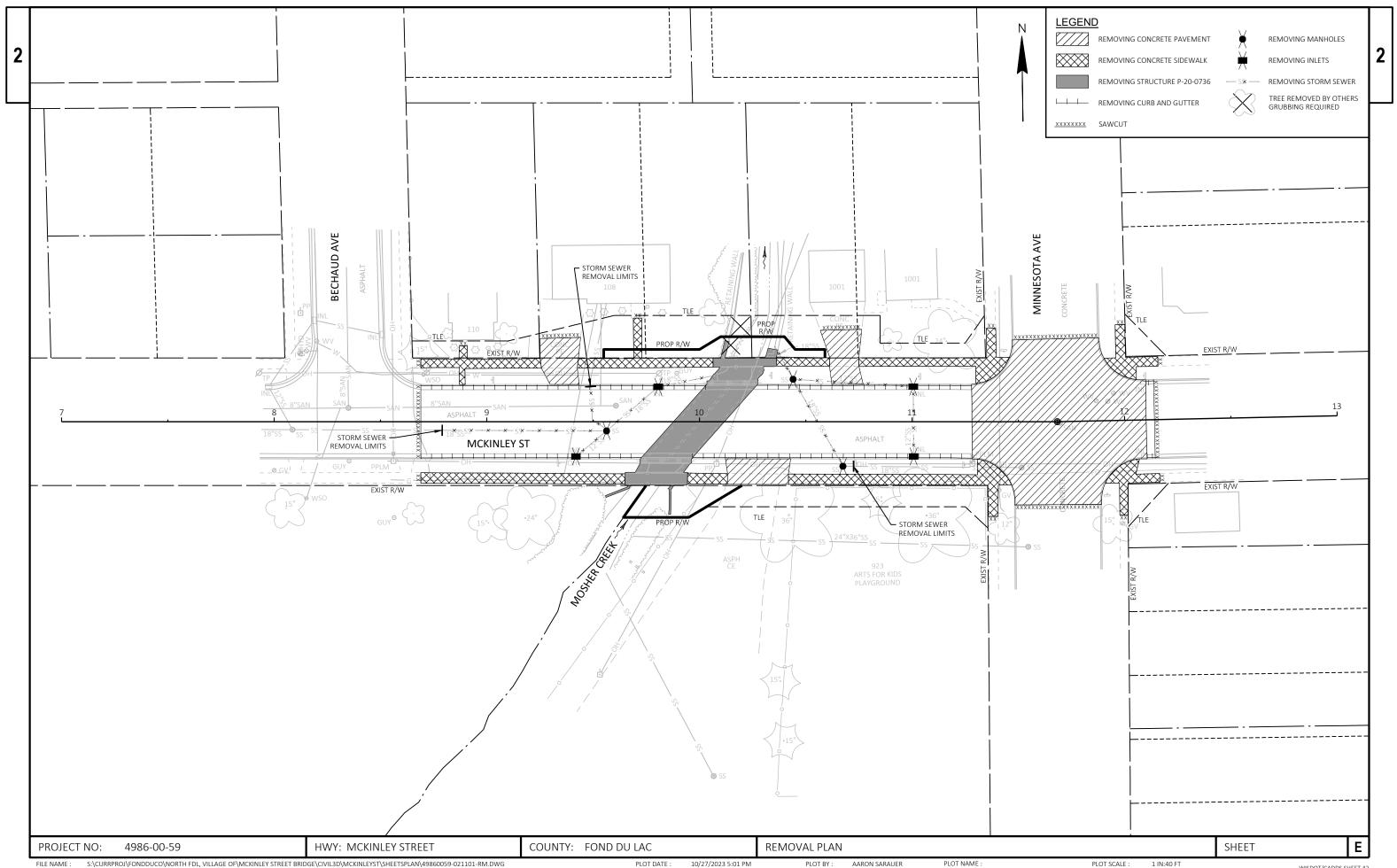
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PLOT DATE : 10/27/2023 5:00 PM

AARON SARAUER PLOT BY :

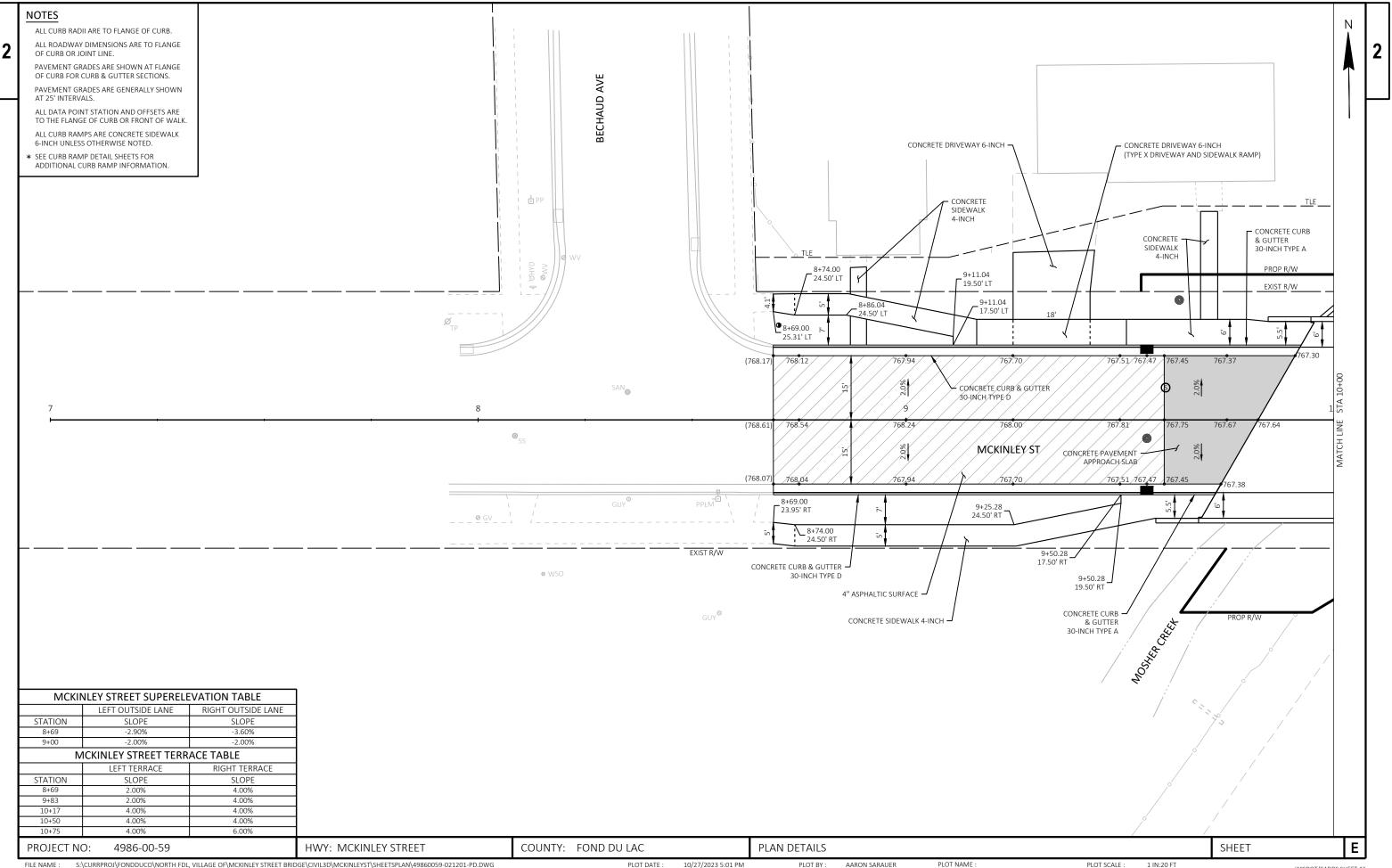
PLOT NAME :

DETERMINED BY THE ENGINEER IN THE FIELD BASED ON LOCATION AND DEPTH OF



S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-021101-RM.DWG FILE NAME : LAYOUT NAME - Sheet-01

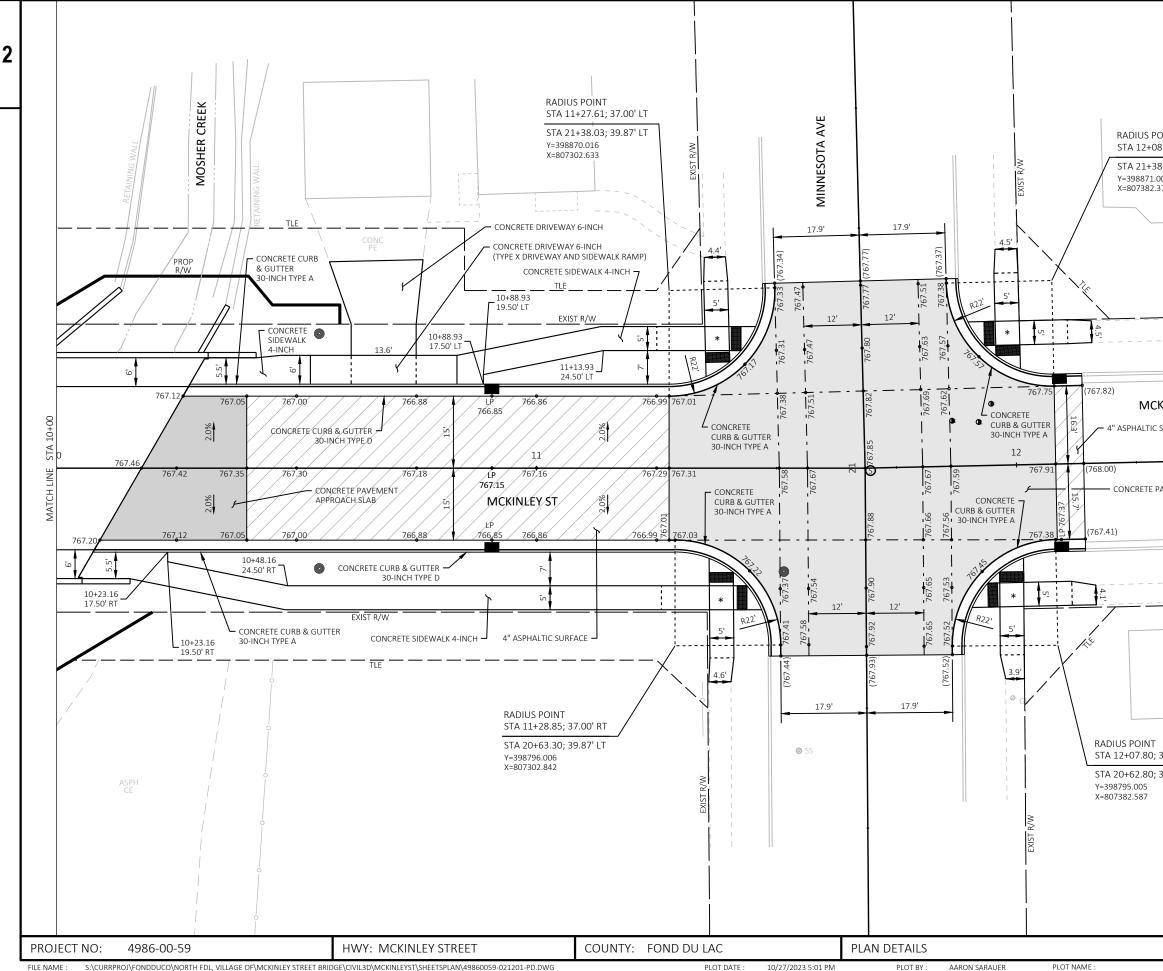
PLOT NAME :



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PLOT DATE : 10/27/2023 5:01 PM PLOT BY : AARON SARAUER

WISDOT/CADDS SHEET 42

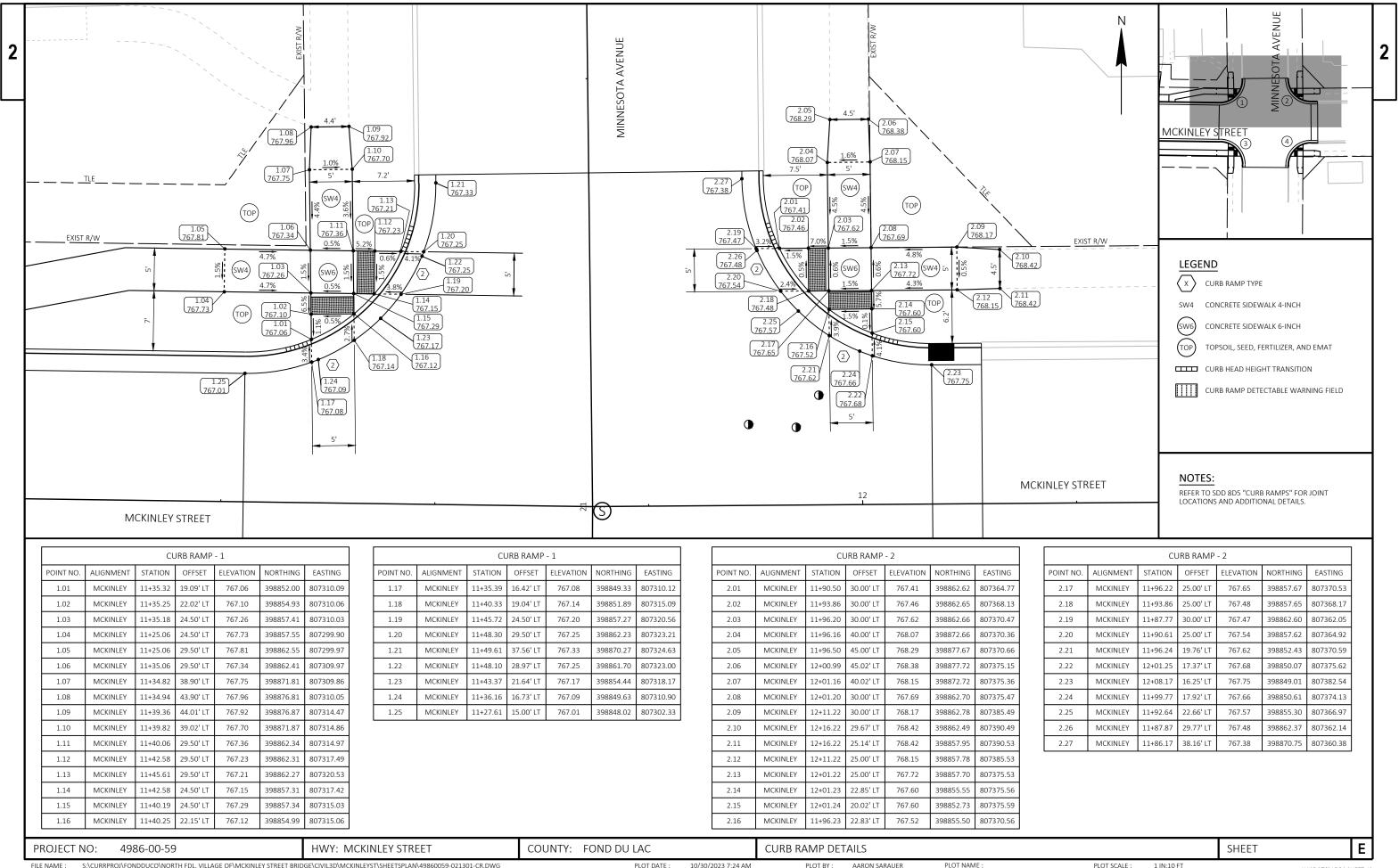


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PLOT NAME :

		NOTES	
	Ν	ALL CURB RADII A	RE TO FLANGE OF CURB.
			MENSIONS ARE TO FLANGE
		OF CURB OR JOIN	
			ES ARE SHOWN AT FLANGE RB & GUTTER SECTIONS.
	Т		ES ARE GENERALLY SHOWN
		AT 25' INTERVALS	
г			TATION AND OFFSETS ARE OF CURB OR FRONT OF WALK.
'; 38.25' LT			ARE CONCRETE SIDEWALK
; 39.88' RT			THERWISE NOTED.
, 59.00 11		* SEE CURB RAMP I	
		ADDITIONAL COR	B RAMP INFORMATION.
	D /\A/		
EXIST	R/W		
LEY ST			
ACE			
			13
			13
			13
ЛЕNT 8-INCH			13
MENT 8-INCH			13
/ENT 8-INCH			13
VENT 8-INCH			13
MENT 8-INCH			
VENT 8-INCH			
1ENT 8-INCH			13
			13
VENT 8-INCH	 R/W		
	R/W		
EXIST		ICKINLEY STREET TERR	
EXIST		ICKINLEY STREET TERRA	
5' RT B' RT			ACE TABLE
5' RT 3' RT	M STATION 8+69	LEFT TERRACE SLOPE 2.00%	ACE TABLE RIGHT TERRACE SLOPE 4.00%
EXIST	M STATION 8+69 9+83	LEFT TERRACE SLOPE 2.00% 2.00%	ACE TABLE RIGHT TERRACE SLOPE 4.00% 4.00%
5' RT 3' RT	M STATION 8+69	LEFT TERRACE SLOPE 2.00%	ACE TABLE RIGHT TERRACE SLOPE 4.00%
EXIST RT RT	M STATION 8+69 9+83 10+17	LEFT TERRACE SLOPE 2.00% 2.00% 4.00%	ACE TABLE RIGHT TERRACE SLOPE 4.00% 4.00%

PLOT DATE : 10/27/2023 5:01 PM



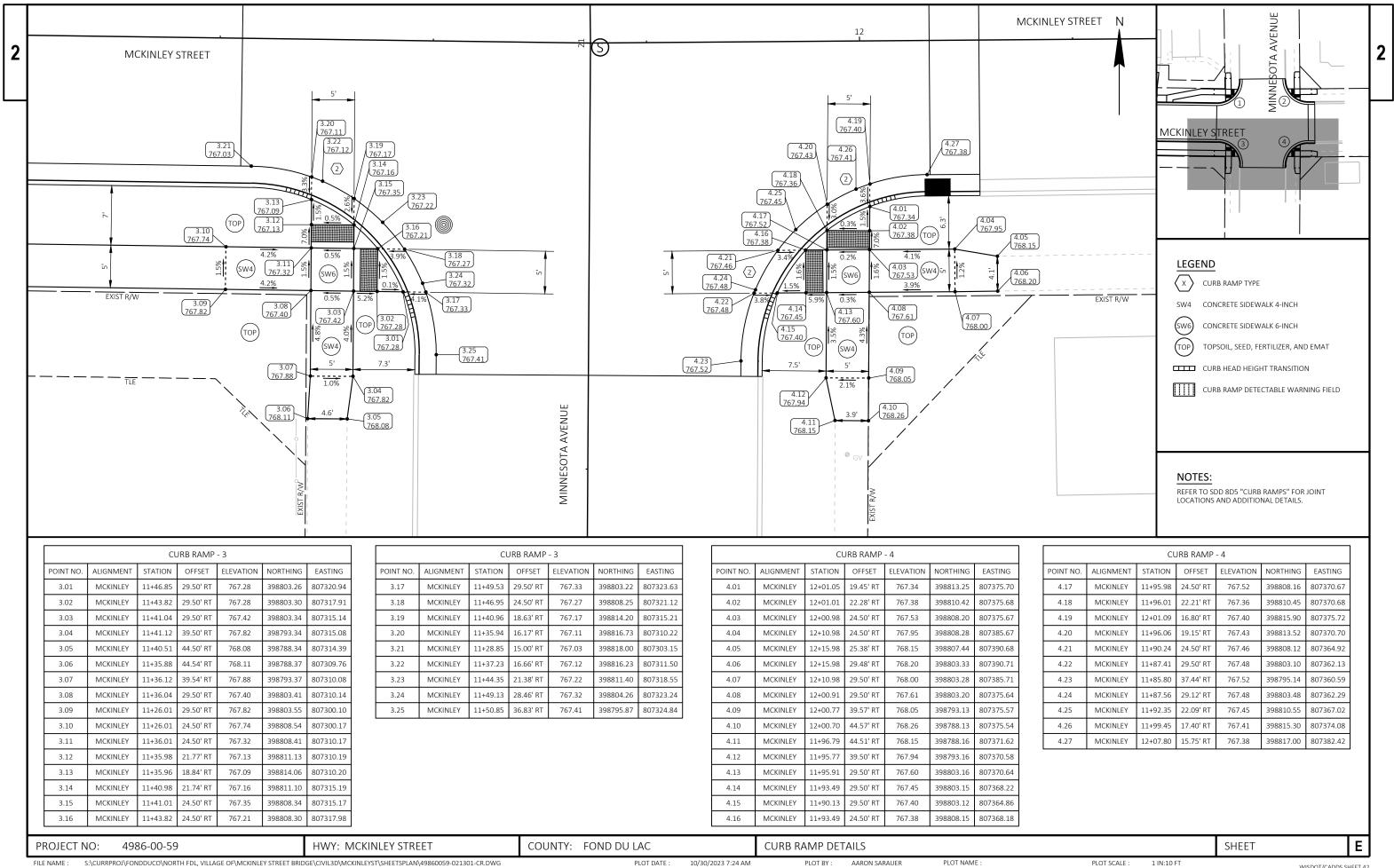
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PLOT DATE :

PLOT BY :

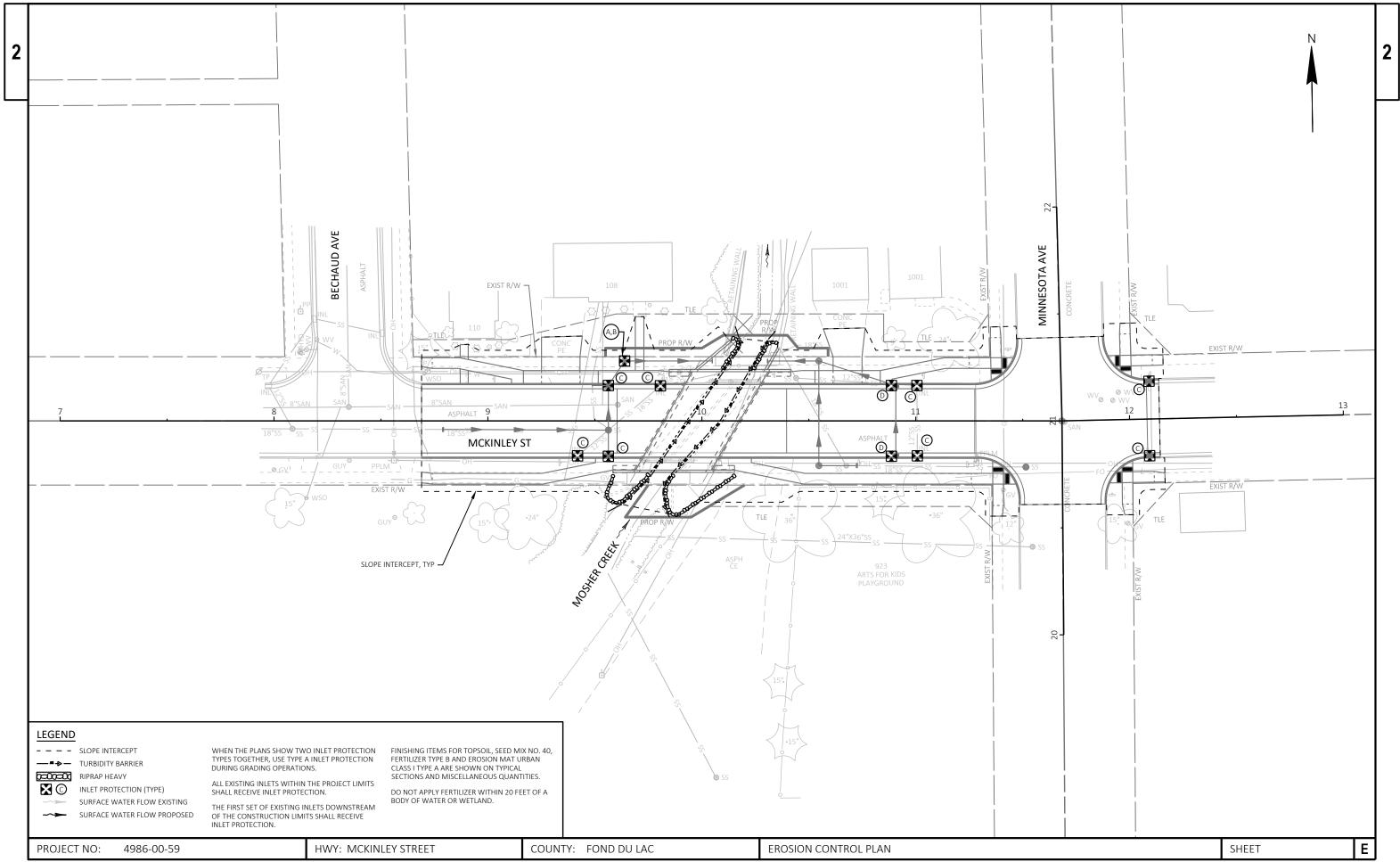
PLOT NAME

CURB RAMP - 2										
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING				
2.17	MCKINLEY	11+96.22	25.00' LT	767.65	398857.67	807370.53				
2.18	MCKINLEY	11+93.86	25.00' LT	767.48	398857.65	807368.17				
2.19	MCKINLEY	11+87.77	30.00' LT	767.47	398862.60	807362.05				
2.20	MCKINLEY	11+90.61	25.00' LT	767.54	398857.62	807364.92				
2.21	MCKINLEY	11+96.24	19.76' LT	767.62	398852.43	807370.59				
2.22	MCKINLEY	12+01.25	17.37' LT	767.68	398850.07	807375.62				
2.23	MCKINLEY	12+08.17	16.25' LT	767.75	398849.01	807382.54				
2.24	MCKINLEY	11+99.77	17.92' LT	767.66	398850.61	807374.13				
2.25	MCKINLEY	11+92.64	22.66' LT	767.57	398855.30	807366.97				
2.26	MCKINLEY	11+87.87	29.77' LT	767.48	398862.37	807362.14				
2.27	MCKINLEY	11+86.17	38.16' LT	767.38	398870.75	807360.38				



LAYOUT NAME - Sheet-02

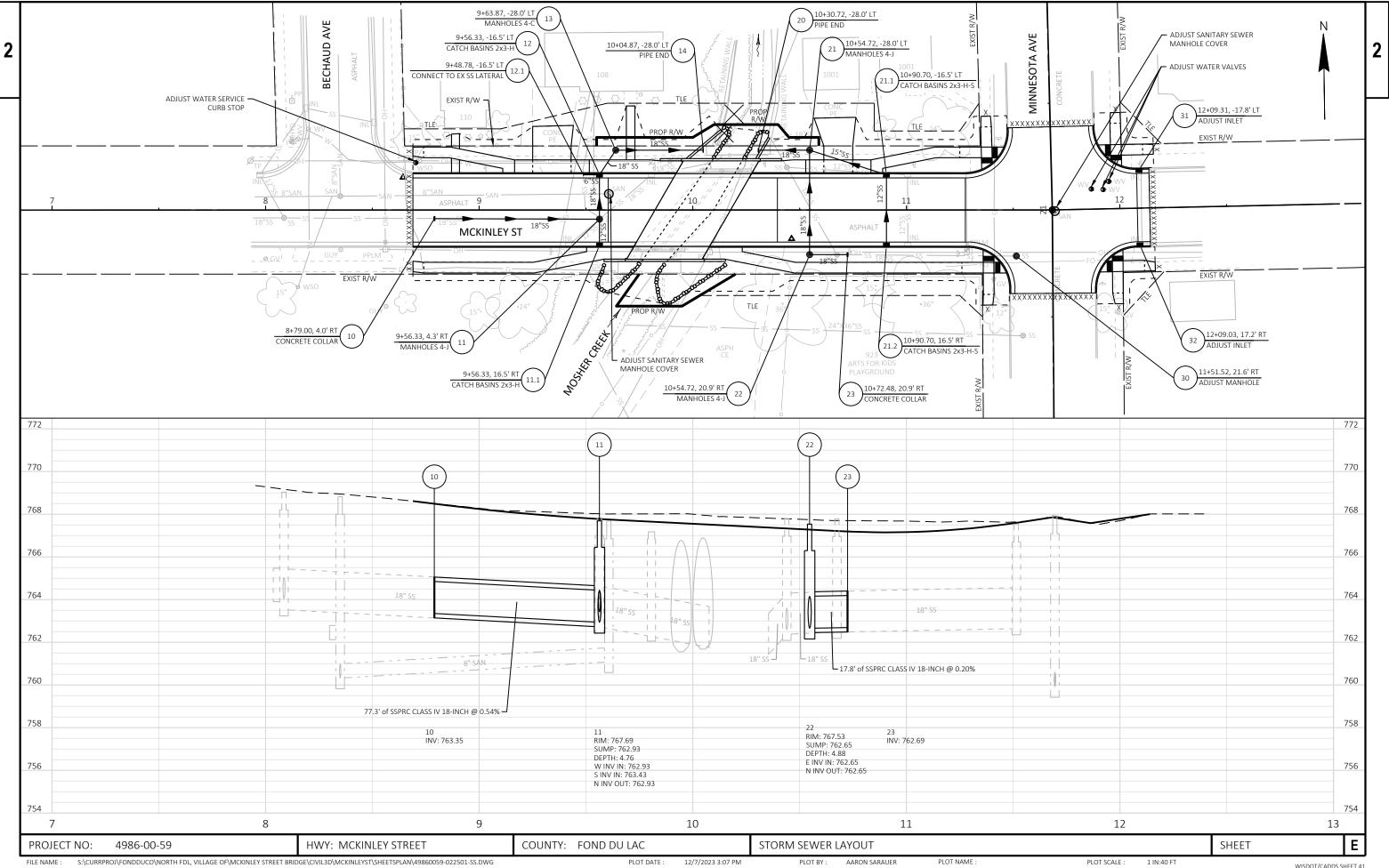
		Cl	JRB RAMP	- 4		
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4.17	MCKINLEY	11+95.98	24.50' RT	767.52	398808.16	807370.67
4.18	MCKINLEY	11+96.01	22.21' RT	767.36	398810.45	807370.68
4.19	MCKINLEY	12+01.09	16.80' RT	767.40	398815.90	807375.72
4.20	MCKINLEY	11+96.06	19.15' RT	767.43	398813.52	807370.70
4.21	MCKINLEY	11+90.24	24.50' RT	767.46	398808.12	807364.92
4.22	MCKINLEY	11+87.41	29.50' RT	767.48	398803.10	807362.13
4.23	MCKINLEY	11+85.80	37.44' RT	767.52	398795.14	807360.59
4.24	MCKINLEY	11+87.56	29.12' RT	767.48	398803.48	807362.29
4.25	MCKINLEY	11+92.35	22.09' RT	767.45	398810.55	807367.02
4.26	MCKINLEY	11+99.45	17.40' RT	767.41	398815.30	807374.08
4.27	MCKINLEY	12+07.80	15.75' RT	767.38	398817.00	807382.42



FILE NAME : S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-022001-EC.DWG LAYOUT NAME - Sheet-01 PLOT DATE : 10/27/2023 5:01 PM

PLOT BY : AARON SARAUER

PLOT NAME :



LAYOUT NAME - Sheet-01

								ST	ORM SEV	VER STRUCTURE	DATA			
STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	ТҮРЕ	RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	
10	MCKINLEY	8+79.00	4.0	RT	CONCRETE COLLAR					10-11 OUT	E	SSPRC CLASS IV 18-INCH	763.35	
11	MCKINLEY	9+56.33	4.3	RT	MANHOLES 4-J	767.69	762.93	4.76	0.00	10-11 IN 11.1-11 IN 11-12 OUT	W S N	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 12-INCH SSPRC CLASS IV 18-INCH	762.93 763.43 762.93	FI
11.1	MCKINLEY	9+56.33	16.5	RT	CATCH BASINS 2X3-H	767.31	761.55	5.76	2.00	11.1-11 OUT	N	SSPRC CLASS IV 12-INCH	763.55	
12	MCKINLEY	9+56.33	-16.5	LT	CATCH BASINS 2X3-H	767.31	760.72	6.59	2.00	11-12 IN 12-12.1 IN 12-13 OUT	S W NE	SSPRC CLASS IV 18-INCH SS LATERAL 6-INCH SSPRC CLASS IV 18-INCH	762.72 763.72 762.72	FF FF
12.1	MCKINLEY	9+48.78	-16.5	LT	CONNECT TO EX SS LATERAL					12-12.1 OUT	E	SS LATERAL 6-INCH	763.76	
13	MCKINLEY	9+63.87	-28.0	LT	MANHOLES 4-C	767.25	762.59	4.66	0.00	12-13 IN 13-14 OUT	SW E	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	762.59 762.59	FI
14	MCKINLEY	10+04.87	-28.0	LT	PIPE END					13-14 IN	w	SSPRC CLASS IV 18-INCH	762.38	FF
20	MCKINLEY	10+30.72	-28.0	LT	PIPE END					21-20 IN	E	SSPRC CLASS IV 18-INCH	762.29	FF
21	MCKINLEY	10+54.72	-28.0	LT	MANHOLES 4-J	767.47	762.41	5.06	0.00	22-21 IN 21.1-21 IN 21-20 OUT	S E W	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 15-INCH SSPRC CLASS IV 18-INCH	762.41 762.66 762.41	FR FR 1
21.1	MCKINLEY	10+90.70	-16.5	LT	CATCH BASINS 2X3-H-S	766.69	760.85	5.84	2.00	21.2-21.1 IN 21.1-21 OUT	S W	SSPRC CLASS IV 12-INCH SSPRC CLASS IV 15-INCH	763.10 762.85	FR 1
21.2	MCKINLEY	10+90.70	16.5	RT	CATCH BASINS 2X3-H-S	766.69	761.26	5.42	2.00	21.2-21.1 OUT	N	SSPRC CLASS IV 12-INCH	763.26	Т
22	MCKINLEY	10+54.72	20.9	RT	MANHOLES 4-J	767.53	762.65	4.88	0.00	23-22 IN 22-21 OUT	E N	SSPRC CLASS IV 18-INCH SSPRC CLASS IV 18-INCH	762.65 762.65	FF
23	MCKINLEY	10+72.48	20.9	RT	CONCRETE COLLAR					23-22 OUT	w	SSPRC CLASS IV 18-INCH	762.69	Т
30	MCKINLEY	11+51.52	21.6	RT	ADJUST MANHOLE	767.41								
31	MCKINLEY	12+09.31	-17.8	LT	ADJUST INLET	767.60								
32	MCKINLEY	12+09.03	17.2	RT	ADJUST INLET	767.20								

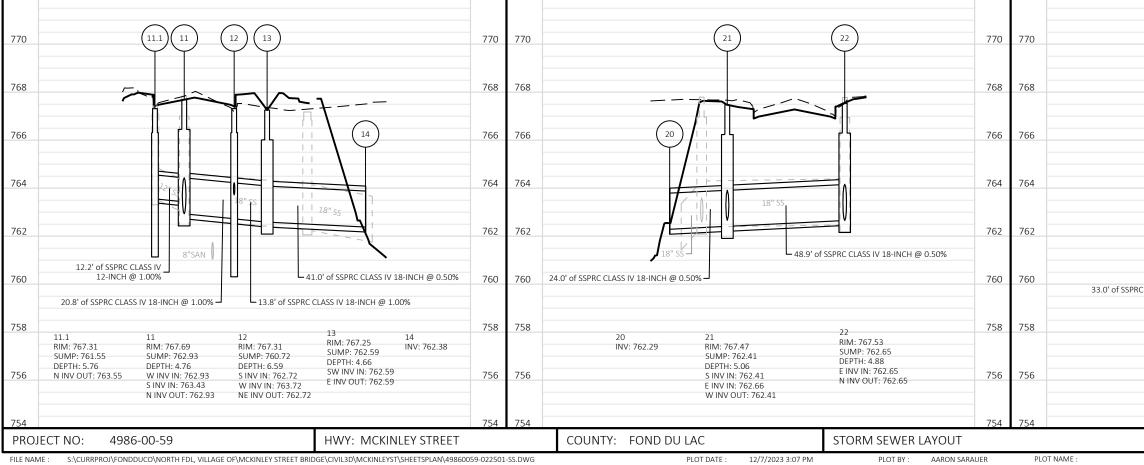
NOTES:

1. TOTAL DEPTH = RIM/GRATE ELEVATION - STRUCTURE INVERT ELEVATION.

2. MANHOLES SHALL BE CONSTRUCTED IN A WAY THAT WILL ALLOW THE CASTING TO BE ALIGNED IN THE MIDDLE OF A LANE OR ON A JOINT LINE.

3. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATION WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.

4. STATION/ OFFSET OF STORM SEWER STRUCTURES ARE TO THE CENTER OF STRUCTURE EXCEPT FOR CONCRETE APRON ENDWALLS WHICH ARE TO PIPE END.



LAYOUT NAME - Sheet-11

12/7/2023 3:07 PM

				— I
PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS	
TO STR: 11	77.3'	0.54%		
ROM STR: 10 ROM STR: 11.1 TO STR: 12	  20.8'	  1.00%		
TO STR: 11	12.2'	1.00%		
ROM STR: 11 ROM STR: 12.1 TO STR: 13	  13.8'	  1.00%		
TO STR: 12	7.6'	0.50%		
ROM STR: 12 TO STR: 14	41.0'	 0.50%		
ROM STR: 13				
ROM STR: 21				
ROM STR: 22 ROM STR: 21.1 TO STR: 20	  24.0'	  0.50%		
ROM STR: 21.2 TO STR: 21	 37.8'	 0.50%		
TO STR: 21.1	33.0'	0.50%		
ROM STR: 23 TO STR: 21	 48.9'	 0.50%		
TO STR: 22	17.8'	0.20%		
				_
$\frown$	$\bigcirc$		$\frown$	_
(21.2)	(21.1)			770
22				768
		~~~		
ñ		$\sim$		
				766
				766
				766
12"		12" SS		
12"		12" SS		
		12" SS		764
			SSPRC CLASS IV 15-INCH @ 0.50%	764
			V	764
			V	764
21.2			V	764

SUMP: 761.26

N INV OUT: 763.26

DEPTH: 5.42

SHEET

SUMP: 762.41

S INV IN: 762.41 E INV IN: 762.66

W INV OUT: 762.41

DEPTH: 5.06

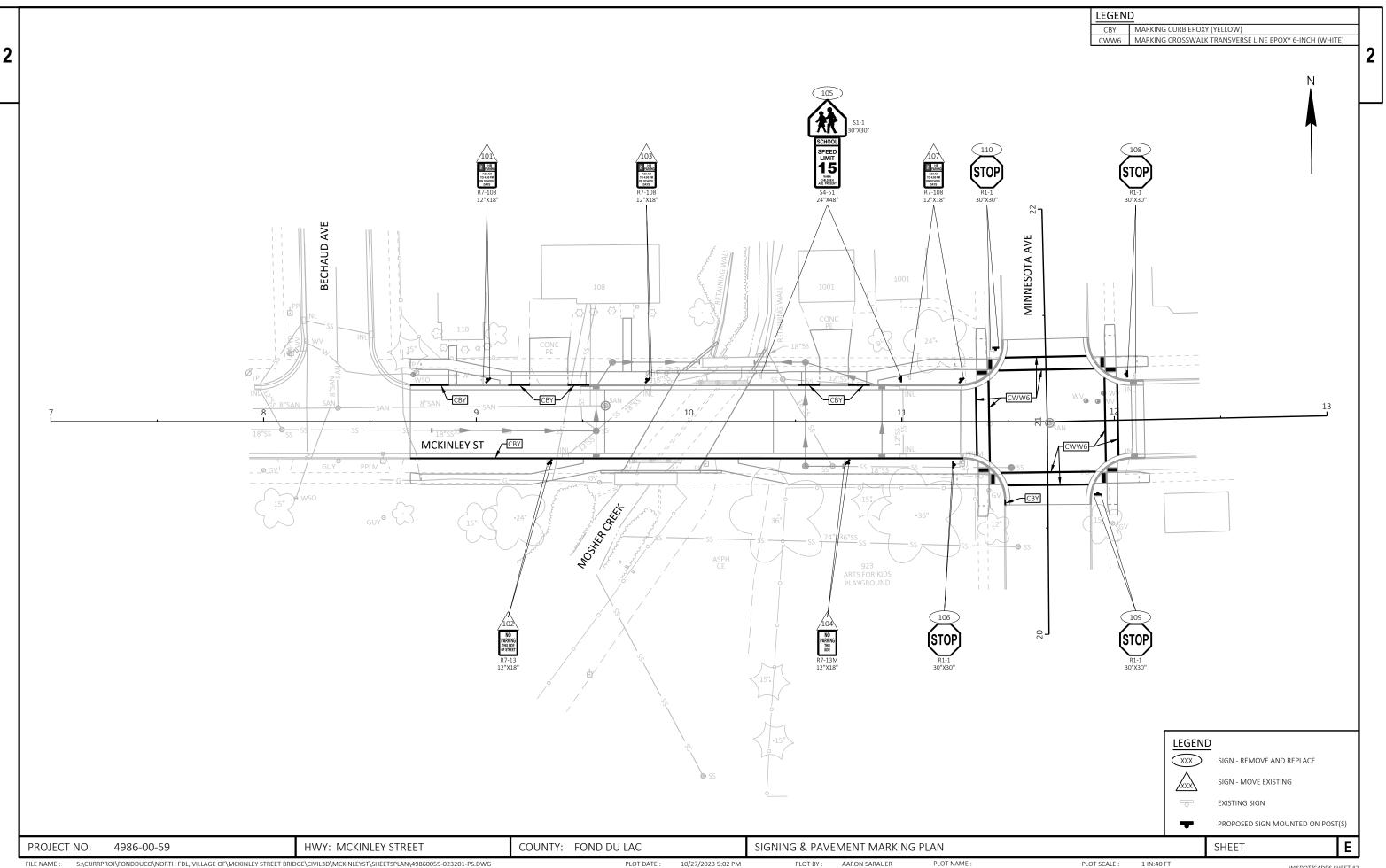
SUMP: 760.85

S INV IN: 763.10

W INV OUT: 762.85

DEPTH: 5.84

756



S-\CURRPROI\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-023201-PS.DWG LAYOUT NAME - Sheet-01 FILE NAME :



(c)

(E)

(4)

2

TYPE III BARRICADE WITH SIGN +\_\_+

MB PORTABLE CHANGEABLE MESSAGE BOARD

WORK AREA

PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

#### GENERAL NOTES

SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

MAP SHOWN IS NOT TO SCALE.

	PCN	IS MESSAG	GES	
		PRIOR TO STARTUP		PRIOR TO ION WORK
LOCATION	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)
MCKINLEY STREET EB	ROAD CLOSED BEGINS	{DAY} {DATE XX}		
MCKINLEY STREET WB	ROAD CLOSED BEGINS	{DAY} {DATE XX}	ROAD CLOSED BEGINS	{DAY} {DATE XX}
MINNESOTA AVENUE NB			ROAD CLOSED BEGINS	{DAY} {DATE XX}
MINNESOTA AVENUE SB			ROAD CLOSED BEGINS	{DAY} {DATE XX}





POLK STREET POLK STREET POLK STREET 5.5 MB MB MCKINLEY STREET MCKINLEY STREET MB MB R11-3C 60" X 24" BRIDGE OUT 0.3 MILES AHEAD TYPE III BARRICADE CLEVELAND STREET PROJECT NO: 4986-00-59 HWY: MCKINLEY STREET COUNTY: FOND DU LAC TRAFFIC CONTROL: TRAFFIC CONTROL

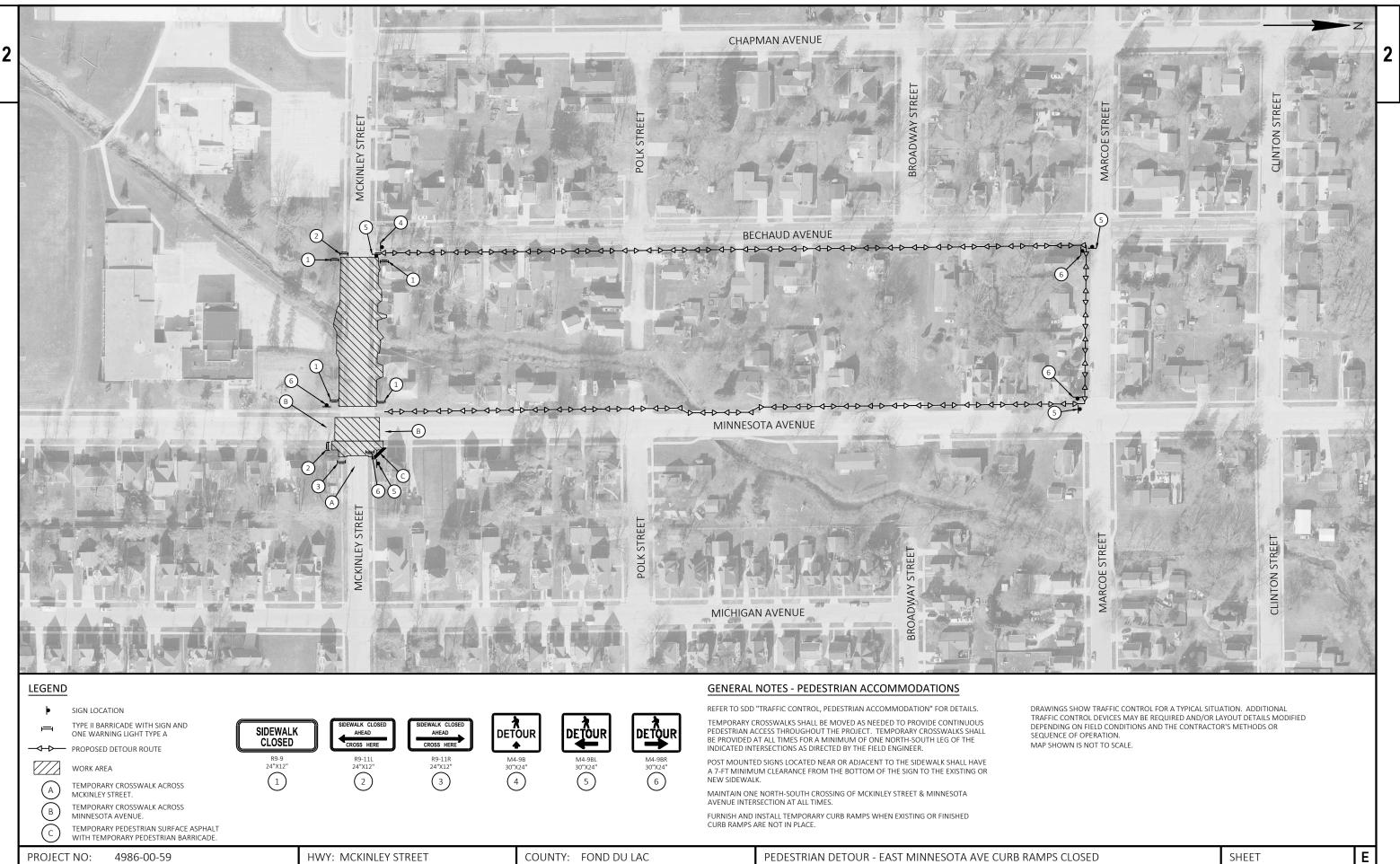
S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-025100-TC.DWG FILE NAME : LAYOUT NAME - Sheet-01

PLOT DATE :

AARON SARAUER PLOT BY : 10/27/2023 5:02 PM

PLOT NAME :



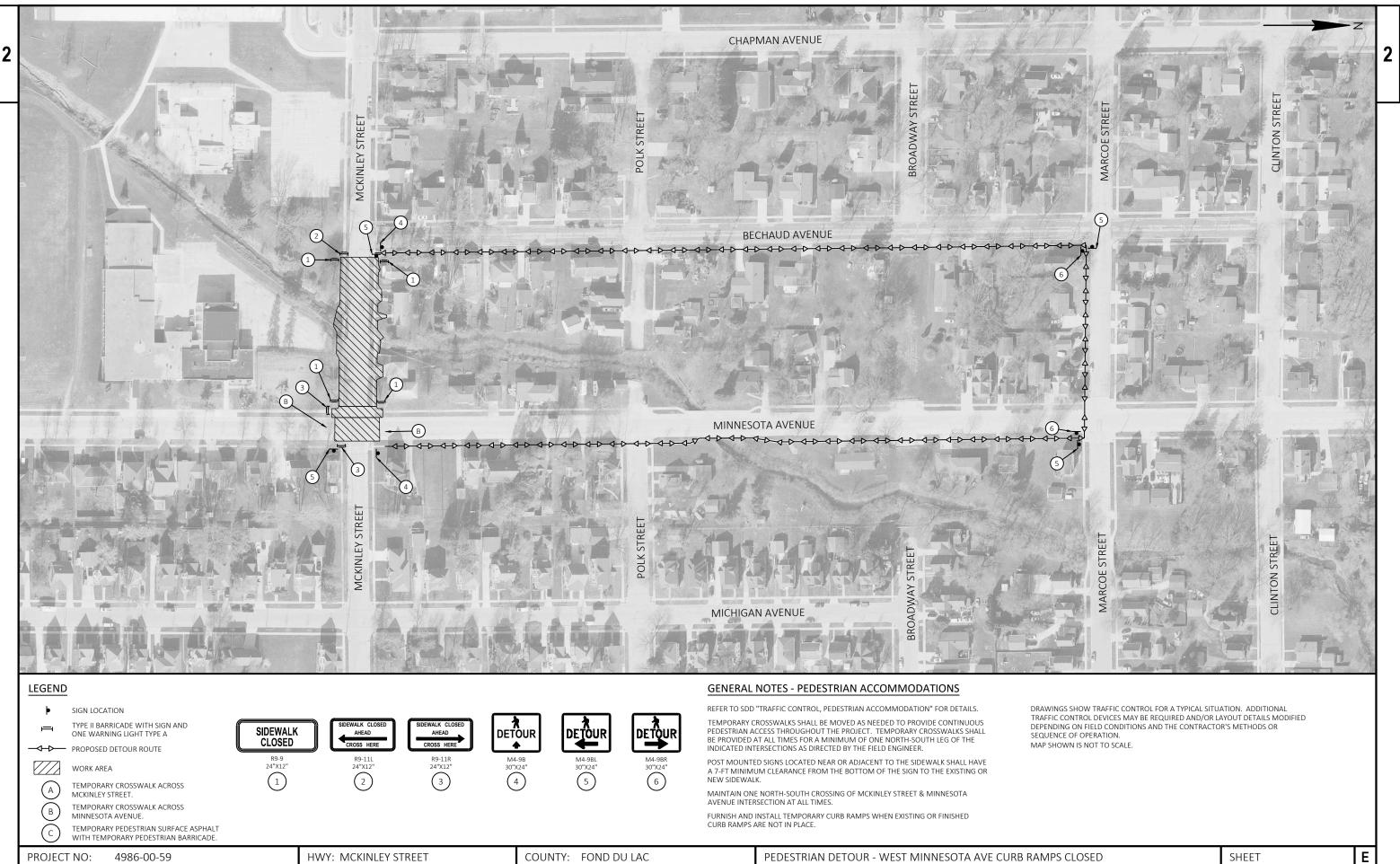


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PLOT DATE : 10/27/2023 5:02 PM

AARON SARAUER PLOT BY :

PLOT NAME :



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PLOT DATE : 10/27/2023 5:02 PM

AARON SARAUER PLOT BY :

PLOT NAME :

PLOT SCALE : NTS

**Estimate Of Quantities** 

					4986-00-59	
Line	Item	Item Description	Unit	Total	Qty	
002	201.0205	Grubbing	STA	1.000	1.000	
004	203.0220	Removing Structure (structure) 01. P-20-0736	EACH	1.000	1.000	
006	204.0100	Removing Concrete Pavement	SY	690.000	690.000	
800	204.0150	Removing Curb & Gutter	LF	530.000	530.000	
010	204.0155	Removing Concrete Sidewalk	SY	310.000	310.000	
012	204.0210	Removing Manholes	EACH	3.000	3.000	
0014	204.0220	Removing Inlets	EACH	4.000	4.000	
0016	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	109.000	109.000	
0018	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	207.000	207.000	
020	204.0245	Removing Storm Sewer (size) 03. Lateral	LF	24.000	24.000	
022	205.0100	Excavation Common	CY	1,227.000	1,227.000	
024	206.1001	Excavation for Structures Bridges (structure) 01. B-20-0256	EACH	1.000	1.000	
026	206.3001	Excavation for Structures Retaining Walls (structure) 02. R-20-0051	EACH	1.000	1.000	
028	206.3001	Excavation for Structures Retaining Walls (structure) 03. R-20-0052	EACH	1.000	1.000	
0030	210.1500	Backfill Structure Type A	TON	430.000	430.000	
0032	213.0100	Finishing Roadway (project) 01. 4986-00-59	EACH	1.000	1.000	
0034	305.0110	Base Aggregate Dense 3/4-Inch	TON	90.000	90.000	
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	595.000	595.000	
0038	311.0110	Breaker Run	TON	1,125.000	1,125.000	
0040	415.0080	Concrete Pavement 8-Inch	SY	511.000	511.000	
040	415.0410	Concrete Pavement Approach Slab	SY	148.000	148.000	
042	415.4100	Concrete Pavement Joint Filling	SY	550.000	550.000	
044	416.0610	Drilled Tie Bars	EACH	18.000	18.000	
040	416.0620	Drilled Dowel Bars	EACH	44.000	44.000	
040	455.0605	Tack Coat	GAL	32.000	32.000	
052	465.0105	Asphaltic Surface	TON	145.000	145.000	
	502.0100	Concrete Masonry Bridges	CY	209.000	209.000	
)054 )056	502.0100	Protective Surface Treatment	SY	190.000	190.000	
058	502.3210	Pigmented Surface Sealer	SY	47.000	47.000	
060	504.0500	Concrete Masonry Retaining Walls	CY	19.000	19.000	
062	505.0400	Bar Steel Reinforcement HS Structures	LB	6,490.000	6,490.000	
0064	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	34,080.000	34,080.000	
0066	513.4056	Railing Tubular Type H	LF	114.000	114.000	
068	516.0500	Rubberized Membrane Waterproofing	SY	34.000	34.000	
070	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000	
072	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	480.000	480.000	
0074	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	220.000	220.000	
076	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	371.000	371.000	
078	602.0405	Concrete Sidewalk 4-Inch	SF	2,685.000	2,685.000	
080	602.0415	Concrete Sidewalk 6-Inch	SF	280.000	280.000	
082	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80.000	80.000	
084	602.0810	Concrete Driveway 6-Inch	SY	115.000	115.000	
086	606.0300	Riprap Heavy	CY	120.000	120.000	
8800	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	45.000	45.000	
0090	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	38.000	38.000	
092	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	244.000	244.000	
0094	611.0530	Manhole Covers Type J	EACH	3.000	3.000	
096	611.0612	Inlet Covers Type C	EACH	1.000	1.000	
0098	611.0624	Inlet Covers Type H	EACH	2.000	2.000	
0100	611.0639	Inlet Covers Type H-S	EACH	2.000	2.000	

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### Estimate Of Quantities

					4986-00-59	
Line	Item	Item Description	Unit	Total	Qty	
0102	611.1230	Catch Basins 2x3-FT	EACH	4.000	4.000	ī
0104	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000	
0106	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000	
0108	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000	
0110	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	264.000	264.000	
0112	619.1000	Mobilization	EACH	1.000	1.000	
0114	624.0100	Water	MGAL	23.000	23.000	
0116	625.0100	Topsoil	SY	800.000	800.000	
0118	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0120	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0122	628.2006	Erosion Mat Urban Class I Type A	SY	800.000	800.000	
0124	628.6005	Turbidity Barriers	SY	165.000	165.000	
0126	628.7005	Inlet Protection Type A	EACH	1.000	1.000	
0128	628.7010	Inlet Protection Type B	EACH	1.000	1.000	
0130	628.7015	Inlet Protection Type C	EACH	10.000	10.000	
0132	628.7020	Inlet Protection Type D	EACH	2.000	2.000	
)132 )134	628.7560	Tracking Pads	EACH	2.000	2.000	
)136	629.0210	Fertilizer Type B	CWT	0.500	0.500	
0138	630.0140	Seeding Mixture No. 40	LB	15.000	15.000	
0140	630.0500	Seed Water	MGAL	18.000	18.000	
		Posts Tubular Steel 2x2-Inch X 14-FT	EACH		4.000	
0142 0144	634.0814		EACH	4.000		
	634.0818	Posts Tubular Steel 2x2-Inch X 18-FT	SF	1.000	1.000 20.720	
0146	637.2210	Signs Type II Reflective H	SF	20.720		
0148	637.2230	Signs Type II Reflective F		14.750	14.750	
0150	638.2102	Moving Signs Type II	EACH	5.000	5.000	
0152	638.2602	Removing Signs Type II	EACH	5.000	5.000	
0154	638.3000	Removing Small Sign Supports	EACH	5.000	5.000	
0156	638.4000	Moving Small Sign Supports	EACH	5.000	5.000	
0158	642.5001	Field Office Type B	EACH	1.000	1.000	
0160	643.0300	Traffic Control Drums	DAY	1,875.000	1,875.000	
0162	643.0410	Traffic Control Barricades Type II	DAY	600.000	600.000	
0164	643.0420	Traffic Control Barricades Type III	DAY	1,125.000	1,125.000	
0166	643.0705	Traffic Control Warning Lights Type A	DAY	2,400.000	2,400.000	
0168	643.0900	Traffic Control Signs	DAY	2,025.000	2,025.000	
0170	643.1050	Traffic Control Signs PCMS	DAY	35.000	35.000	
)172	643.3350	Temporary Marking Crosswalk Removable Tape 6-inch	LF	226.000	226.000	
0174	643.5000	Traffic Control	EACH	1.000	1.000	
0176	644.1410	Temporary Pedestrian Surface Asphalt	SF	352.000	352.000	
0178	644.1601	Temporary Pedestrian Curb Ramp	DAY	175.000	175.000	
0180	644.1810	Temporary Pedestrian Barricade	LF	79.000	79.000	
0182	645.0111	Geotextile Type DF Schedule A	SY	160.000	160.000	
0184	645.0120	Geotextile Type HR	SY	189.000	189.000	
0186	645.0140	Geotextile Type SAS	SY	170.000	170.000	
0188	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	316.000	316.000	
0190	646.8120	Marking Curb Epoxy	LF	324.000	324.000	
0192	650.4000	Construction Staking Storm Sewer	EACH	12.000	12.000	
0194	650.4500	Construction Staking Subgrade	LF	309.000	309.000	
0196	650.5000	Construction Staking Base	LF	185.000	185.000	
0198	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	371.000	371.000	
0200	650.6501	Construction Staking Structure Layout (structure) 01. B-20-0256	EACH	1.000	1.000	

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Estimate Of Quantities

					4986-00-59
Line	Item	Item Description	Unit	Total	Qty
0202	650.6501	Construction Staking Structure Layout (structure) 02. R-20-0051	EACH	1.000	1.000
0204	650.6501	Construction Staking Structure Layout (structure) 03. R-20-0052	EACH	1.000	1.000
0206	650.7000	Construction Staking Concrete Pavement	LF	124.000	124.000
0208	650.9000	Construction Staking Curb Ramps	EACH	8.000	8.000
0210	650.9500	Construction Staking Sidewalk (project) 01. 4986-00-59	EACH	1.000	1.000
0212	650.9911	Construction Staking Supplemental Control (project) 01. 4986-00-59	EACH	1.000	1.000
0214	650.9920	Construction Staking Slope Stakes	LF	245.000	245.000
0216	690.0150	Sawing Asphalt	LF	63.000	63.000
0218	690.0250	Sawing Concrete	LF	183.000	183.000
0220	715.0502	Incentive Strength Concrete Structures	DOL	1,368.000	1,368.000
0222	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0224	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0226	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0228	SPV.0060	Special 01. Adjusting Sanitary Manholes	EACH	2.000	2.000
0230	SPV.0060	Special 02. Adjusting Water Valves	EACH	3.000	3.000
0232	SPV.0060	Special 03. Adjusting Water Service Curb Stops	EACH	1.000	1.000
0234	SPV.0090	Special 01. Storm Sewer Lateral 6-INCH	LF	8.000	8.000

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										REMOVING	STORM SE	WER ITEMS		
										204.0210 REMOVING MANHOLES	REMOVING	204.0245.01 REMOVING STORM SEWER 12-INCH	204.0245.02 REMOVING STORM SEWER 18-INCH	REMOVING
					REMO	OVING ITEMS		STATION - STATION	LOCATION	EACH	EACH	LF	LF	LF
				204.0100	204.0150	204.0155	<u> </u>	CATEGORY CODE 0010						
						REMOVING		8+79 - 9+56	RT				77	
				CONCRETE		CONCRETE		9+42	RT		1			
		STATIC	ON - STATION LOCATI	PAVEMENT ON SY	GUTTER LF	SIDEWALK SY COMMENTS		9+42 - 9+56 9+56	RT RT	 1		19		
<u>GRUBBING</u>			RY CODE 0010	51	L.			9+56 - 9+81	LT				32	
		8+6	9-11+28 LT	85	261	126		9+81	LT		1			
STATION - STATION	2 <b>01.0205</b> STA		9-11+28 RT	40	261	134		9+81-10+08	LT				28	
EGORY CODE 0010			28 - 11+50 LT & F	RT 120				10+35 - 10+44 10+44	LT LT	 1			18	
10+00 - 11+00	1		36 - 12 + 16 LT	35	4	26 NE QUAD MCKINLEY ST/ MINNESO		10+44 - 10+68	RT				47	
10+00 - 11+00	1	11+8	36 - 12+16 RT	35	4	24 SE QUAD MCKINLEY ST/ MINNESOT	A AVE INTERSECTION	10+44 - 11+00	LT			57		
TOTAL	1	CATEGO	RY CODE 0010 SUBTOT	ALS 315	530	310		10+67 10+68 - 10+73	RT RT	1			 5	
	-	CATEGOR	RY CODE 0030					11+00	LT		1			
								11+00	LT - RT			33		
		11+5	50 - 12 + 10 LT & F	RT 375		MCKINLEY ST/ MINNESOTA AVE IN	ERSECTION	11+00	RT		1			
		CATEGO	RY CODE 0030 SUBTOT	ALS 375				CATEGORY CODE 0010	0 SUBTOTALS	3	4	109	207	
			тот	ALS 690	530	310		CATEGORY CODE 0030						
								9+49 - 9+56	LT & RT					24
							-	CATEGORY CODE 0030	0 SUBTOTALS					24
									TOTALS	3	4	109	207	24
STATION - STATION	LOCATION	BASE AGO 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	GREGATE DENSE, BF 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	REAKER RUN, A 311.0110* BREAKER RUN TON	AND WATEF 624.0100 WATER MGAL									
CATEGORY CODE 0010										BREAKER RU	JN & GEOS	<u>YNTHETICS</u>		
8+69 - 9+82	LT & RT	36	209	310	7.6						311.0	110* 645	.0140	
10+18 - 11+50	LT & RT	42	216	384	8.8						BREA	KER GEOT	EXTILE	
11+86 - 12+16	LT	6	18	29	0.7	NE QUAD MCKINLEY ST/ MINNESOTA AVE INTE					RU		E SAS	
11+86 - 12+16	RT	6	18	28	0.7	SE QUAD MCKINLEY ST/ MINNESOTA AVE INTE	RSECTION		CATEGORY C	CATION	TO	N .	SY	
CATEGORY CODE 00	10 SUBTOTALS	90	461	751	17.8					RIBUTED EBS	13	5 1	70	
CATEGORY CODE 0030														
11+50 - 12+14	LT & RT		134	239	5.2	MCKINLEY ST/ MINNESOTA AVE INTERSECTION				тот			70	
CATEGORY CODE 00	30 SUBTOTALS		134	239	5.2							BASED ON 1.8 TO VHERE IN PLANS		
	TOTALS	90	595	990	23.0									
BASE AGGREGATE DENSE BASE AGGREGATE DENSE	E 1 1/4-INCH WEIG	GHT CALCULATIONS B	ASED ON 2.0 TONS/CY.											
BREAKER RUN WEIGHT ( * ADDITIONAL QUANTIT		-												
					-									
CT NO: 4986-00-59		Ц\\//V•	MCKINLEY STREET	г		Y: FOND DU LAC	MISCELLANEOUS QUANTITIE	= C					SHEET	

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FILE NAME: 030201-mq.ppt

PLOT BY : gaajs

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				05.0100 N EXCAVATION (1)	SALVAGED/ UNUSABLE PAVEMENT	AVAILABLE		EXPANDED FILL (13)	MASS	
			СИТ	EBS EXCAVATION	MATERIAL	MATERIAL	UNEXPANDED	FACTOR	ORDINATE +/-	
DIVISION	FROM/TO STATION	LOCATION	(2)	(3)	(4)	(5)	FILL	1.30	(14)	WASTE
CATEGORY CODE 0010										
DIVISION 1										
MCKINLEY STREET (WEST)	08+69/09+81.557		314	30	67	247	10	13	234	234
DIVISION 1 SUBTOTAL			314	30	67	247	10	13	234	234
DIVISION 2										
MCKINLEY STREET (EAST)	10+18.443/12+14.00		500	45	135	365	2	3	362	362
<b>DIVISION 2 SUBTOTAL</b>			500	45	135	365	2	3	362	362
GRAND TOTAL			814	75	202	612	12	16	596	596
	CATEGORY CODE 0010 SUB	TOTAL COMMON EXC		889						
CATEGORY CODE 0030										
DIVISION 2										
MCKINLEY STREET (EAST)	10+18.443/12+14.00		338	0	135	203	4	0	203	203
DIVISION 2 SUBTOTAL			338	0	135	203	4	0	203	203
GRAND TOTAL			338	0	135	203	4	0	203	203
	CATEGORY CODE 0030 SUB	TOTAL COMMON EXC		338						
	PROJECT	TOTAL COMMON EXC		1,227						

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT

(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL = LENGTH \* TYPICAL WIDTH \* TYPICAL DEPTH

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL

(6) NOT USED

(7) NOT USED

(8) NOT USED

(9) NOT USED

(10) NOT USED

(11) NOT USED

(12) NOT USED

(13) EXPANDED FILL FACTOR = 1.30. EXPANDED FILL = (UNEXPANDED FILL - REDUCED MARSH - REDUCED EBS) \* 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. (15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

PROJECT NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES
FILE NAME : 030201-mq.ppt		PLOT DATE: 11/1/2023 4:13 PM	PLOT BY : gaajs

#### **CONCRETE PAVEMENT ITEMS**

		415.0080 CONCRETE PAVEMENT 8-INCH	415.0410 CONCRETE PAVEMENT APPROACH SLAB	415.4100 CONCRETE PAVEMENT JOINT FILLING	
STATION - STATION	LOCATION	SY	SY	SY	COMMENTS
CATEGORY CODE 0010					
9+60 - 9+82	LT & RT		74		-
10+18 - 10+40	LT & RT		74		
11+28 -11+50	LT & RT	99		118	
11+86 - 12+08	LT	24		34	NE QUAD MCKINLEY ST/ MINNESOTA AVE INTERSECTION
11+86 - 12+08	RT	23		33	SE QUAD MCKINLEY ST/ MINNESOTA AVE INTERSECTION
CATEGORY CODE	0010 SUBTOTALS	146	148	185	
CATEGORY CODE 0030					
11+50 - 12+08	LT & RT	365		365	MCKINLEY ST/ MINNESOTA AVE INTERSECTION
CATEGORY CODE	0030 SUBTOTALS	365		365	
	TOTALS	511	148	550	

STATION - STATION	LOCATION	416.0610 TIE BARS EACH	416.0620 DOWEL BARS EACH
CATEGORY CODE 0010		2.1011	2.1011
		_	
12+14	LT & RT	6	
20+61	LT & RT	6	
21+39	LT & RT	6	
CATEGORY CODE C	010 SUBTOTALS	18	
CATEGORY CODE C	010 SUBTOTALS	18	
	LT & RT		
CATEGORY CODE 0030			 22 22
CATEGORY CODE 0030 20+61	LT & RT LT & RT		

#### **ASPHALTIC ITEMS**

STATION - STATION	LOCATION	COAT GAL	SURFACE TON	COMMENTS
ATEGORY CODE 0010	200,000	0,12		
8+69 - 9+60	LT & RT	16	71	-
10+40 - 11+28	LT & RT	15	69	
12+08 - 12+14	LT		1	NE QUAD MCKINLEY ST/ MINNESOTA AVE INTERSECTION
12+08 - 12+14	RT		1	SE QUAD MCKINLEY ST/ MINNESOTA AVE INTERSECTION
CATEGORY CODE 0010	SUBTOTALS	31	142	
CATEGORY CODE 0030				
12+08 - 12+14	LT & RT	1	3	MCKINLEY ST/ MINNESOTA AVE INTERSECTION
CATEGORY CODE 0030	SUBTOTALS	1	3	
	TOTALS	32	145	
ASPHALTIC SURFACE W	EIGHT CALCU	JLATIONS B	ASED ON 112	LB/SY/IN.

CON	ICRE	TE C	URB	A
			OILD.	

			601.0411 CONCRETE CURB & GUTTER	650.5500 CONSTRUCTION STAKING
		30-INCH	30-INCH	CURB GUTTER AND
		TYPEA	TYPE D	CURB & GUTTER
STATION - STATION		LF	LF	LF
CATEGORY CODE 00	010			
8+69 - 9+60	LT & RT		183	183
9+60 - 9+92	LT	32		
9+60 - 9+73	RT	12		
10+08 - 10+40	RT	32		
10+27 - 10+40	LT	12		
10+40 - 11+28	LT & RT		176	176
11+28 - 11+50	LT	33		
11+28 - 11+50	RT	34		
11+86 -12+08	LT	32		
11+86 -12+08	RT	33		
12+08 - 12+14	LT		6	6
12+08 - 12+14	RT		6	6
	TOTALS	220	371	371
QUANTITIES				

COUNTY: FOND DU LAC PLOT DATE: 11/1/2023 4:13 PM

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#### DRILLED TIE BARS AND DRILLED DOWEL BARS

#### AND GUTTER ITEMS

	<u>CO</u>	NCRETE	SIDEWAL	<u> ( ITEMS</u>												RESTORA	ATION ITEMS				
		Ci Si	02.0405 6 ONCRETE C DEWALK S 4-INCH	CONCRETE IDEWALK 6-INCH	602.051 CURB RAN DETECTAB WARNING F NATURAL PA	ЛР SLE IELD				<u>CONCRETE</u>		602.0810				ι	628.2006 EROSION MAT URBAN CLASS I TYPE A	FERTILIZER TYPE B	MIX NO. 40	SEED WATER	
	STATION - STATION LOC CATEGORY CODE 0010	CATION	SF	SF	SF					STATION CODE 0010	LOCA	TON SY		STATION - STATION CATEGORY CODE 001		SY	SY	CWT	LB	MGAL	-
		Г & RT	2,391	143	40					9+35	Ľ			8+69-11+50	LT	272	272	0.15	5	6	
		RT	146	69	20					10+67	Ľ	57		8+69 - 11+50 11+86 - 12+14	RT LT	275 41	275 41	0.20 0.05	5 1	6 1	
	11+86 - 12+08	LT	148	68	20							OTAL 115		11+86 - 12+14 UNDISTRIBUTED	RT	53 159	53 159	0.05 0.05	1 3	1 4	
	т	TOTALS	2,685	280	80										TOTALS	800	800	0.50	15	18	-
	*CURB RAMPS TO BE PAI	ID FOR AS (	CONCRETE S	IDEWALK 6-	-INCH																
			520.8000	611.0530	STORM SI			611.1230	611.2004	611.8110	611.8115	650.4000									
								CATCH								STORM S	SEWER PIPES				
			COLLARS		COVERS	COVERS	COVERS	BASINS	4-FT	MANHOLE	INLET	STAKING STORM									
			FOR PIPE	TYPE J	TYPE C	TYPE H	TYPE H-S	2X3-FT	DIAMETER	COVERS	COVERS	SEWER			60	8.0412	608.04		608.041	.8 S	
	RE STATION OFFSET* LO Y CODE 0010	OCATION		TYPE J EACH	TYPE C EACH	EACH	EACH	2X3-FT EACH	DIAMETER EACH	EACH	COVERS EACH	SEWER EACH			STORM REIN	SEWER PIPE	STORM SEW REINFOR	/ER PIPE RCED	STORM SEWE REINFORC	ER PIPE CED	STORI SEWE
CATEGORY 10	YCODE0010 8+79.00 4.02'RT N	MCKINLEY													STORM REIN CONCRE	SEWER PIPE	STORM SEW REINFOR	/ER PIPE RCED CLASS IV	STORM SEWE	ER PIPE CED .ASS IV	STORI SEWE LATER
CATEGORY 10 11	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M	MCKINLEY MCKINLEY											FROM -		STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV	STORM SEW REINFOR CONCRETE C	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL	ER PIPE CED .ASS IV	STORI SEWE LATER
CATEGORY 10	YCODE0010 8+79.00 4.02'RT N	MCKINLEY MCKINLEY MCKINLEY											FROM - CATEGORY C		STORM REIN CONCRE 12	SEWER PIPE NFORCED ETE CLASS IV 2-INCH	STORM SEW REINFOR CONCRETE C 15-INC	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CLA 18-INCH	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
CATEGORY 10 11 11.1	YCODE0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY											CATEGORY C	DDE 0010 11 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE NFORCED ETE CLASS IV 2-INCH	STORM SEW REINFOR CONCRETE C 15-INC	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CLA 18-INCH LF 77	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
CATEGORY 10 11 11.1 12 13 14	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1   										CATEGORY C 10 - 11 -	DDE 0010 11 MCKINLEY 12 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF 	STORM SEW REINFOR CONCRETE C 15-INC	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CLA 18-INCH LF	ER PIPE CED .ASS IV	STORM SEWE LATER 6-INCH
CATEGORY 10 11 11.1 12 13 14 20	Y CODE 0010 8+79.00 4.02'RT N 9+56.33 4.32'RT N 9+56.33 16.50'RT N 9+56.33 16.50'LT N 9+63.87 28.00'LT N 10+04.87 28.00'LT N 10+30.72 28.00'LT N	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1   				EACH     		EACH  1   1		EACH     		CATEGORY C 10 - 11 - 11.1 -	DDE 0010 11 MCKINLEY 12 MCKINLEY 11 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE NFORCED ETE CLASS IV 2-INCH	STORM SEW REINFOR CONCRETE C 15-INC	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21 	ER PIPE CED .ASS IV	STORM SEWE LATER 6-INCH
CATEGORY 10 11 11.1 12 13 14 20 21	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1   				EACH     		EACH  1   1		EACH		CATEGORY C 10 - 11 - 11.1 - 12 -	DDE 0010 11 MCKINLEY 12 MCKINLEY 11 MCKINLEY 13 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF 	STORM SEW REINFOR CONCRETE C 15-INC	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21  14	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
ATEGORY           10           11           11.1           12           13           14           20           21           21.1	YCODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'LT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1   				EACH     		EACH  1   1		EACH     		CATEGORY C 10 - 11 - 11.1 - 12 - 13 -	DDE 0010 11 MCKINLEY 12 MCKINLEY 11 MCKINLEY 13 MCKINLEY 14 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12 	STORM SEW REINFOR CONCRETE C 15-INC LF    	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21  14 4 41	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
10 11 11.1 12 13 14 20 21 21.1 21.2	YCODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'LT M 10+90.70 16.50'RT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1          				EACH     		EACH  1   1		EACH		CATEGORY C           10         -           11         -           11.1         -           12         -           13         -           21         -	DDE 0010 11 MCKINLEY 12 MCKINLEY 11 MCKINLEY 13 MCKINLEY 14 MCKINLEY 20 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12  	STORM SEW REINFOR CONCRETE C 15-INC LF        	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21  14	ER PIPE CED .ASS IV	5PV.009( STORN SEWE LATER, 6-INCH LF         
ATEGORN 10 11 11.1 12 13 14 20 21 21.1 21.2 22	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'RT M 10+90.70 16.50'RT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1   				EACH     		EACH  1   1		EACH		CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -	DDE 0010 11 MCKINLEY 12 MCKINLEY 11 MCKINLEY 13 MCKINLEY 14 MCKINLEY 20 MCKINLEY 21 MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12    12	STORM SEW REINFOR CONCRETE C 15-INC LF      	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21  14 4 41	ER PIPE CED .ASS IV	STORM SEWE LATER 6-INCH
ATEGORY 10 11 11.1 12 13 14 20 21 21.1 21.2 22 23	YCODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'LT M 10+90.70 16.50'RT M 10+54.72 20.90'RT M 10+72.48 20.90'RT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1          				EACH     		EACH  1   1		EACH		CATEGORY C           10         -           11         -           11.1         -           12         -           13         -           21         -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21.MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12  12   	STORM SEW REINFOR CONCRETE C 15-INC LF        	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 77 21  14 4 41	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCI
ATEGORY 10 11 11.1 12 13 14 20 21 21.1 21.2 22	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'RT M 10+90.70 16.50'RT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1          				EACH     		EACH  1   1		EACH		CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -         21.2       -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21.1MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12  12   	STORM SEW REINFOR CONCRETE C 15-INC LF        	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CLA 18-INCH LF 77 21  14 41 24  24 	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCI
ATEGORN 10 11 11.1 12 13 14 20 21 21.1 21.2 22 23 31	YCODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+30.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'RT M 10+90.70 16.50'RT M 10+54.72 20.90'RT M 10+72.48 20.90'RT M 12+09.31 17.75'LT M	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1       1  1  				EACH     		EACH  1   1		EACH		CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -         21.2       -         22       -         23       -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21.1MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF   12   33 	STORM SEW REINFOR CONCRETE C 15-INC LF      38  38 	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CLA 18-INCH LF 77 21  14 41 24  24  49	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
ATEGORY 10 11 11.1 12 13 14 20 21 21.1 21.2 22 23 31 32	Y CODE 0010 8+79.00 4.02'RT N 9+56.33 4.32'RT N 9+56.33 16.50'RT N 9+56.33 16.50'LT N 9+63.87 28.00'LT N 10+04.87 28.00'LT N 10+30.72 28.00'LT N 10+54.72 28.00'LT N 10+90.70 16.50'LT N 10+90.70 16.50'RT N 10+54.72 20.90'RT N 10+72.48 20.90'RT N 12+09.31 17.75'LT N 12+09.03 17.25'RT N	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1       1  1  	EACH  1    1 1  1  1  1 -	EACH 1	EACH  1 1 1          -	EACH      1 1 1      	EACH	EACH	EACH	EACH	EACH	CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -         21.2       -         22       -         23       -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY22MCKINLEY23MCKINLEY24MCKINLEY25MCKINLEY26MCKINLEY27MCKINLEY	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12   33      	STORM SEW REINFOR CONCRETE C 15-INC LF      38   38             	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 777 21  14 41 24   49 18	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH
10 11 11.1 12 13 14 20 21 21.1 21.2 22 23 31 32	Y CODE 0010           8+79.00         4.02'RT         N           9+56.33         4.32'RT         N           9+56.33         16.50'RT         N           9+56.33         16.50'LT         N           9+56.33         16.50'LT         N           9+63.87         28.00'LT         N           10+04.87         28.00'LT         N           10+54.72         28.00'LT         N           10+90.70         16.50'LT         N           10+90.70         16.50'LT         N           10+90.70         16.50'LT         N           10+90.71         16.50'LT         N           10+90.70         16.50'RT         N           10+72.48         20.90'RT         N           12+09.31         17.75'LT         N           12+09.03         17.25'RT         N           CATEGORY CODE 0010 SU         SU         SU	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH 1       1  1  	EACH  1    1 1  1  1  1 -	EACH 1	EACH  1 1 1          -	EACH      1 1 1      	EACH	EACH	EACH	EACH	EACH	CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -         21.2       -         22       -         23       -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY22MCKINLEY20CODE 0010 SUBTOTDDE 0030	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12   33      	STORM SEW REINFOR CONCRETE C 15-INC LF      38   38             	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 777 21  14 41 24   49 18	ER PIPE CED .ASS IV	STORM SEWE LATER 6-INCH
ATEGORN 10 11 11.1 12 13 14 20 21 21.1 21.2 22 23 31 32 ATEGORN	Y CODE 0010 8+79.00 4.02'RT M 9+56.33 4.32'RT M 9+56.33 16.50'RT M 9+56.33 16.50'LT M 9+63.87 28.00'LT M 10+04.87 28.00'LT M 10+54.72 28.00'LT M 10+54.72 28.00'LT M 10+90.70 16.50'RT M 10+90.70 16.50'RT M 10+54.72 20.90'RT M 10+54.72 20.90'RT M 10+72.48 20.90'RT M 12+09.31 17.75'LT M 12+09.03 17.25'RT M CATEGORY CODE 0010 SU Y CODE 0030	MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY MCKINLEY	EACH	EACH  1    1 1  1  1  1 -	EACH 1	EACH  1 1 1          -	EACH      1 1 1      	EACH	EACH	EACH	EACH	EACH	CATEGORY C         10       -         11       -         11.1       -         12       -         13       -         21       -         21.1       -         22       -         23       -         CATEGORY C         12.1       -	DDE 001011MCKINLEY12MCKINLEY11MCKINLEY13MCKINLEY14MCKINLEY20MCKINLEY21MCKINLEY21MCKINLEY21MCKINLEY22MCKINLEY20CODE 0010 SUBTOTDDE 0030	STORM REIN CONCRE 12	SEWER PIPE IFORCED ETE CLASS IV 2-INCH LF  12   33      	STORM SEW REINFOR CONCRETE C 15-INC LF      38   38             	/ER PIPE RCED CLASS IV CH	STORM SEWE REINFORC CONCRETE CL 18-INCH LF 777 21  14 41 24   49 18	ER PIPE CED .ASS IV	STORI SEWE LATER 6-INCH

ECT NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES
IE: 030201-mq.ppt		PLOT DATE: 11/1/2023 4:13 PM	PLOT BY : gaajs

3

## EROSION CONTROL ITEMS

		628.1905 MOBILIZATIONS EROSION	628.1910 MOBILIZATIONS EMERGENCY EROSION	628.6005 TURBIDITY BARRIERS	628.7005 INLET PROTECTION	628.7010 INLET PROTECTION	628.7015 INLET PROTECTION	628.7020 INLET PROTECTION	628.7560 TRACKING PADS
		CONTROL	CONTROL		TYPE A	TYPE B	TYPE C	TYPE D	
STATION	LOCATION	EACH	EACH	SY	EACH	EACH	EACH	EACH	EACH
CATEGORY CODE	0010								
8+69 - 12+14	LT & RT	5	3						2
9+41	RT						1		
9+56	LT & RT						2		
9+64	LT				1	1			
9+65 - 10+28	LT & RT			132					
9+81	LT						1		
10+91	LT & RT							2	
11+01	LT & RT						2		
12+09	LT & RT						2		
UNDISTRIBUTED				33			2		
	TOTALS	5	3	165	1	1	10	2	2

			646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE	646.8120 MARKING CURB EPOXY YELLOW
	STATION - STATION	LOCATION	LF	LF
-	CATEGORY CODE 00	10		
-	8+69 - 8+87	LT		18
	8+69 - 11+29	RT		263
	9+15 - 9+25	LT		10
	9+43 - 9+53	LT		10
	10+51.4 - 10+61.4	LT		10
	10+75 - 10+85	LT	-	10
	11+39	LT & RT	72	
	11+49	37'RT		3
	11+48 - 11+89	28'LT	85	
	11+49	27'RT	84	
	11+99	LT & RT	75	
-		TOTALS	316	324

								SIGNING ITEMS							
SIGN	EXISTING	EXISTING	PROPOSED	PROPOSED		SIGN		634.0814 POSTS TUBULAR STEEL 2x2X14	634.0818 POSTS TUBULAR STEEL 2x2X18	637.2210 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II REFLECTIVE F	SIGNS	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	638.4000 MOVING SMALL SIGN SUPPORTS
NUMBER	STATION	LOCATION	STATION	LOCATION	ROADWAY	CODE	SIZE	EACH	EACH	SF	SF	EACH	EACH	EACH	EACH
CATEGOR	Y CODE 001	0													
101	9+02	19.7'LT	9+05	20.0'LT	MCKINLEY STREET	R1-1	30X30	1		5.18			1	1	
102	9+34	19.5'RT	9+35	19.5'RT	MCKINLEY STREET	R1-1	30X30	1		5.18			1	1	
103	9+81	19.9'LT	9+80	20.0'LT	MCKINLEY STREET	R1-1	30X30	1		5.18			1	1	
104	10+74	19.6'RT	10+75	19.5'RT	MCKINLEY STREET	R1-1	30X30	1		5.18			1	1	
105	10+33	21.8'LT	10+99	20.3'LT	MCKINLEY STREET	S1-1	36X36		1		6.75		1	1	
						S4-51	24X48				8.00				
106	11+25	20.4'RT	11+25	20.3'RT	MCKINLEY STREET							1			1
107	11+03	21.3'LT	11+28	20.0'LT	MCKINLEY STREET							1			1
108	12+10	20.7'LT	12+06	21.7'LT	MCKINLEY STREET							1			1
109	11+91	34.5'RT	11+92	34.0'RT	MINNESOTA AVENUE							1			1
110	11+43	33'LT	11+44	34.0'LT	MINNESOTA AVENUE							1			1
							TOTALS	4	1	20.72	14.75	5	5	5	5

PROJECT NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES
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#### PAVEMENT MARKING ITEMS

3

SHEET

	NUMBER OF	643.0300 TRAFFIC CONTROL DRUMS		643.0410 TRAFFIC CONTROL BARRICADES TYPE II		TRA CON BARR	.0420 AFFIC ITROL ICADES PE III	TRA CON WAF	.0705 AFFIC ITROL RNING 5 TYPE A	TRA	.0900 NFFIC ITROL GNS	643.1050 TRAFFIC CONTROL SIGNS PCMS			643.5000 TRAFFIC CONTROL
	DAYS IN	NO.	TOTAL	NO.	TOTAL	NO.	TOTAL	NO.	TOTAL	NO.	TOTAL	NO.	NO.	TOTAL	
LOCATION	SERVICE	REQ'D	DAY	REQ'D	DAY	REQ'D	DAY	REQ'D	DAY	REQ'D	DAY	REQ'D	DAYS	DAY	EACH
CATEGORY CODE 0010															
PROJECT 4986-00-58	75	25	1,875	8	600	15	1,125	32	2,400	27	2,025				1
PRIOR TO PROJECT												2	7	14	
PRIOR TO INTERSECTION WORK												3	7	21	-
	TOTALS		1,875		600		1,125		2,400		2,025			35	1

TRAFFIC CONTROL ITEMS

#### **CONSTRUCTION STAKING ITEMS**

	650.4500 SUBGRADE	650.5000 BASE	650.6501 STRUCTURE LAYOUT	650.7000 CONCRETE PAVEMENT	650.9000 CURB RAMPS	650.9500 SIDEWALK	650.9911 SUPPLEMENTAL CONTROL	650.992 SLOPE STAKE
LOCATION	LF	LF	EACH	LF	EACH	EACH	EACH	LF
ATEGORY CODE 0010								
01. PROJECT 4986-00-59					8	1	1	
8+69 - 9+82	113	91		22				113
10+18 - 11+50	132	88		44				132
CATEGORY CODE 0010 SUBTOTALS	245	179		66	8	1	1	245
ATEGORY CODE 0020								
01. B-20-0256			1					
02. R-20-0051			1					
03. R-20-0052			1					
CATEGORY CODE 0020 SUBTOTALS			3					
ATEGORY CODE 0030								
11+50 - 12+14	64	6		58				
CATEGORY CODE 0030 SUBTOTALS	64	6		58				
TOTALS	309	185	3	124	8	1	1	245

		690.0150 ASPHALT	690.0250 CONCRETE	
STATION - STA	TION LOCATION	LF	LF	COMMENTS
CATEGORY CODE 00	10			
8+69	LT & RT	30	5	ROADWAY
8+69	LT & RT		9	SIDEWALK
8+89	LT		4	SIDEWALK
9+35	LT		19	DRIVEWAY
9+71	LT		4	SIDEWALK
10+67	LT		20	DRIVEWAY
11+37	LT		4	SIDEWALK
11+38	RT		5	SIDEWALK
11+47	LT - RT		5	C&G
11+89	LT & RT		5	C&G
12+14	LT & RT		4	C&G
12+16	LT & RT		9	SIDEWALK
20+56	LT & RT		9	SIDEWALK
21+45	LT & RT		9	SIDEWALK
CA	TEGORY CODE 0010 SUBTOTA	LS 30	111	
CATEGORY CODE 00	30			
12+14	LT & RT	33		ROADWAY
20+61	LT & RT		36	ROADWAY
21+39	LT & RT		36	ROADWAY
		LS 33	72	

3

LOCATION CATEGORY CODE 0010 12+20, LT & RT

20+50, LT & RT 21+50, LT & RT 20+50 - 20+70, RT

#### TOTALS

PROJECT NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES	
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### TEMPORARY PEDESTRIAN ACCOMMODATION ITEMS

	643.3350 TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT	644.1601 TEMPORARY PEDESTRIAN CURB RAMP	644.1810 TEMPORARY PEDESTRIAN BARRICADE
	LF	SF	DAY	LF
0				
	66.0	67.0	70.0	
	80.0	90.0	70.0	
	80.0	85.0	35.0	
		110.0		79
S	226.0	352.0	175.0	79

#### SAWING PAVEMENT ITEMS

PLOT SCALE : 1:1

SHEET

E

ADJUSTING SANITARY	′ SEWER AND	WATER MAIN	ITEMS

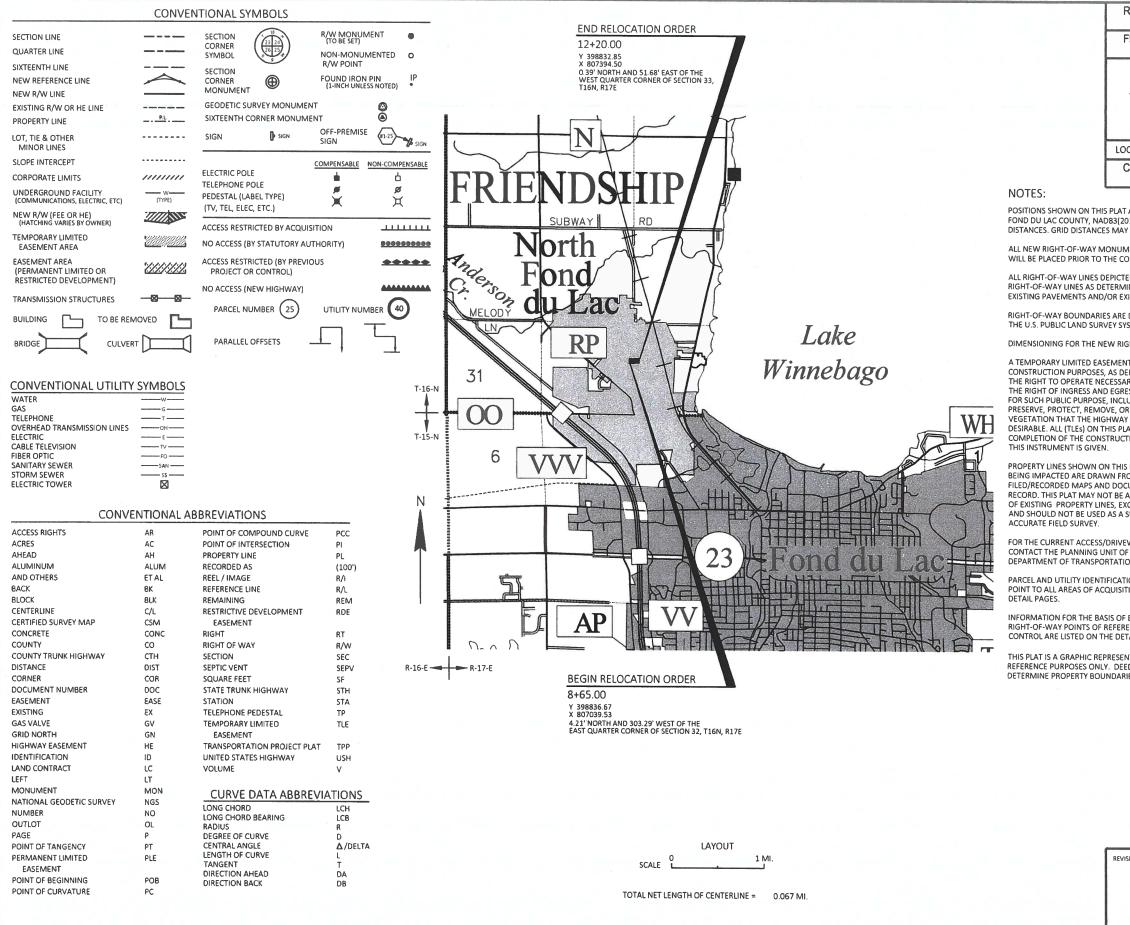
				SPV.0060.01 ADJUSTING SANITARY MANHOLES	SPV.0060.02 ADJUSTING WATER VALVES	SPV.0060.03 ADJUSTING WATER SERVICE	
		EXISTING	FINISHED			CURB STOPS	
STATION	LOCATION	ELEVATION	ELEVATION	EACH	EACH	EACH	COMMENTS
CATEGOR	Y CODE 003	0					
8+70	22'LT	768.51	768.67			1	0.16' ADJUSTMENT UP
9+61	8'LT	767.68	767.60	1			0.08' ADJUSTMENT DOW
11+70	1'RT	767.92	767.83	1			0.09' ADJUSTMENT DOW
11+87	9'LT	767.48	767.61		1		0.13' ADJUSTMENT UP
11+92	9'LT	767.50	767.62		1		0.12' ADJUSTMENT UP
	13'LT	767.57	767.64		1		0.07' ADJUSTMENT UP

TOTALS 2 3

1

PROJECT NO: 4986-00-59	HWY: MCKINLEY STREET	COUNTY: FOND DU LAC	MISCELLANEOUS QUANTITIES
FILE NAME: 030201-mq.ppt		PLOT DATE: 11/1/2023 4:13 PM	PLOT BY : gaajs

3



PLOT BY : JAY PANETTI

PLOT NAME

R/W PROJECT NUMBE 4986-00-58	R		SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NU	4.01	5		
PLAT OF RI	GHT OF WA	Y REQUI	RED FOR	
V NORTH FOND				REET
	IER CREE			
OCAL STREET			FOND DU L	AC COUNTY
CONSTRUCTION PROJ 4986-00-59	ECT NUMBE	R		
AT ARE WISCONSIN COORDINATE 2011), IN U.S. SURVEY FEET. VAI AY BE USED AS GROUND DISTAN JMENTS WILL BE TYPE 2 (TYPICAI COMPLETION OF THE PROJECT. TED IN THE NON-ACQUISITION A MINED FROM PREVIOUS PROJEC EXISTING OCCUPATIONAL LINES. RE DEFINED WITH COURSES OF T SYSTEM OR OTHER SURVEYS OF I RIGHT-OF-WAY IS MEASURED ALC ENT (TLE) IS A RIGHT FOR DEFINED HEREIN, INCLUDING SARY EQUIPMENT THEREON, RESS, AS LONG AS REQUIRED CLUDING THE RIGHT FOR DEFINED HE RIGHT FOR DEFINED THE REIN, INCLUDING SARY EQUIPMENT THEREON, RESS, AS LONG AS REQUIRED CLUDING THE RIGHT FOR PLAT EXPIRE AT THE CTION PROJECT FOR WHICH INS PLAT FOR PROPERTIES FROM DATA DERIVED FROM DCUMENTS OF PUBLIC E A TRUE REPRESENTATION	LUES ARE GRID CO CES. LLY 1" X 24" IRON NREAS ARE INTENI TS, OTHER RECOF PUBLIC RECORD. DNG AND PERPEN	PIPES), UNL DED TO RE-E RDED DOCUP F THE HIGHV NDICULAR TO ACCEP OF NOI	S, GRID BEARING ESS OTHERWISE ESTABLISH EXISTI MENTS, CENTERL VAY LANDS REFE	S, AND GRID NOTED, AND INE OF RENCED TO RENCE LINES.
EXCLUDING RIGHT-OF-WAY, A SUBSTITUTE FOR AN OF THE WISCONSIN TION OFFICE IN GREEN BAY. ATION NUMBERS MAY NOT SITION, AS NOTED ON THE OF EXISTING HIGHWAY RENCE AND ACCESS ETAIL PAGES. ENTATION AND IS FOR EEDS MUST BE CHECKED TO KRIES AND ACCESS RIGHTS.		GRE & AS Stove ser Road, Sull ) 924-5726 AV WASHE INTERNATION	PREPARED BY	ENGINEERS du Lac Lac, W 54035
VISION DATE	-	MENT OF	WISCONSIN TRANSPOR (Signature	RTATION

# SCHEDULE OF LANDS & INTERESTS REQUIRED

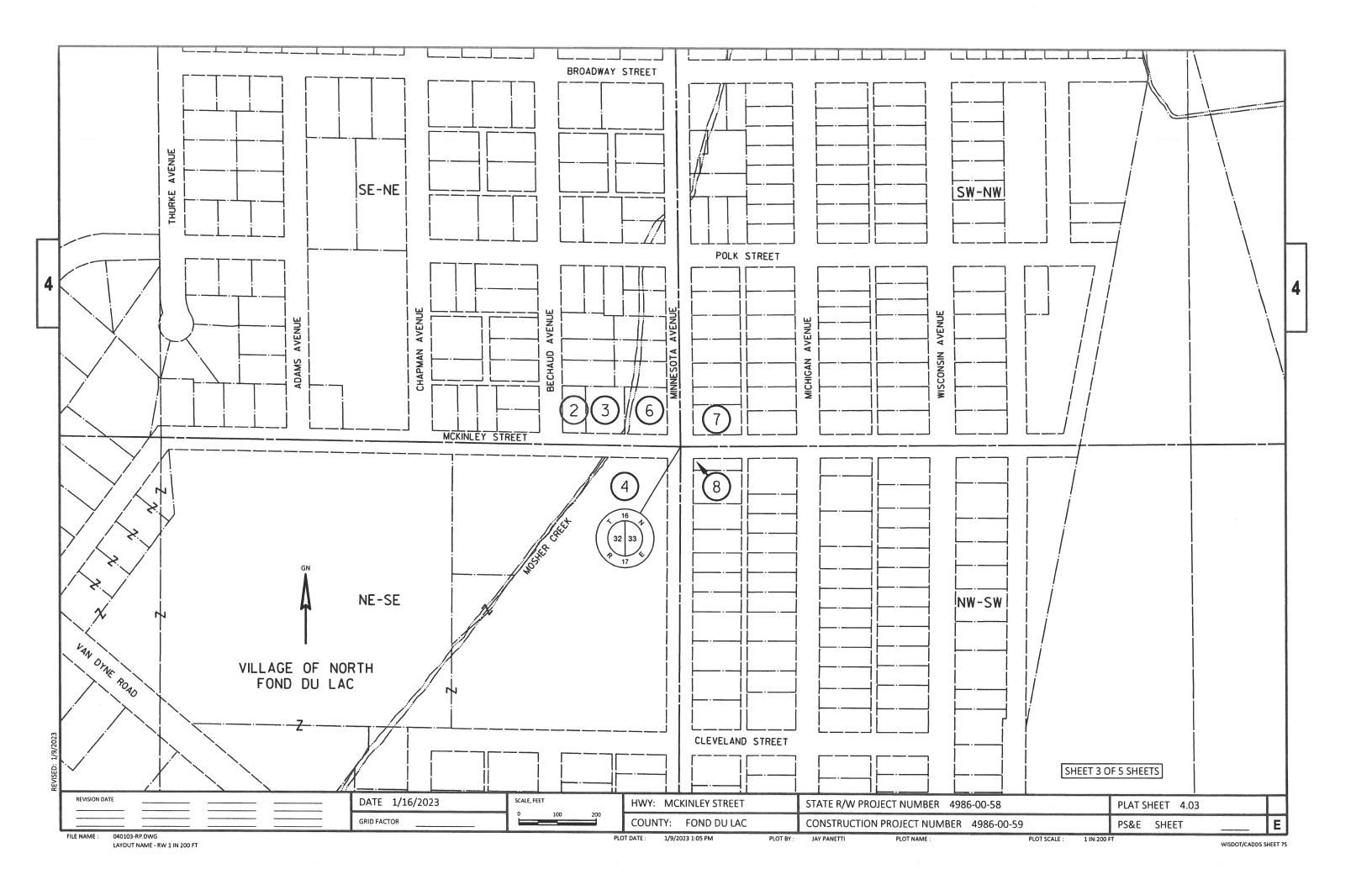
AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

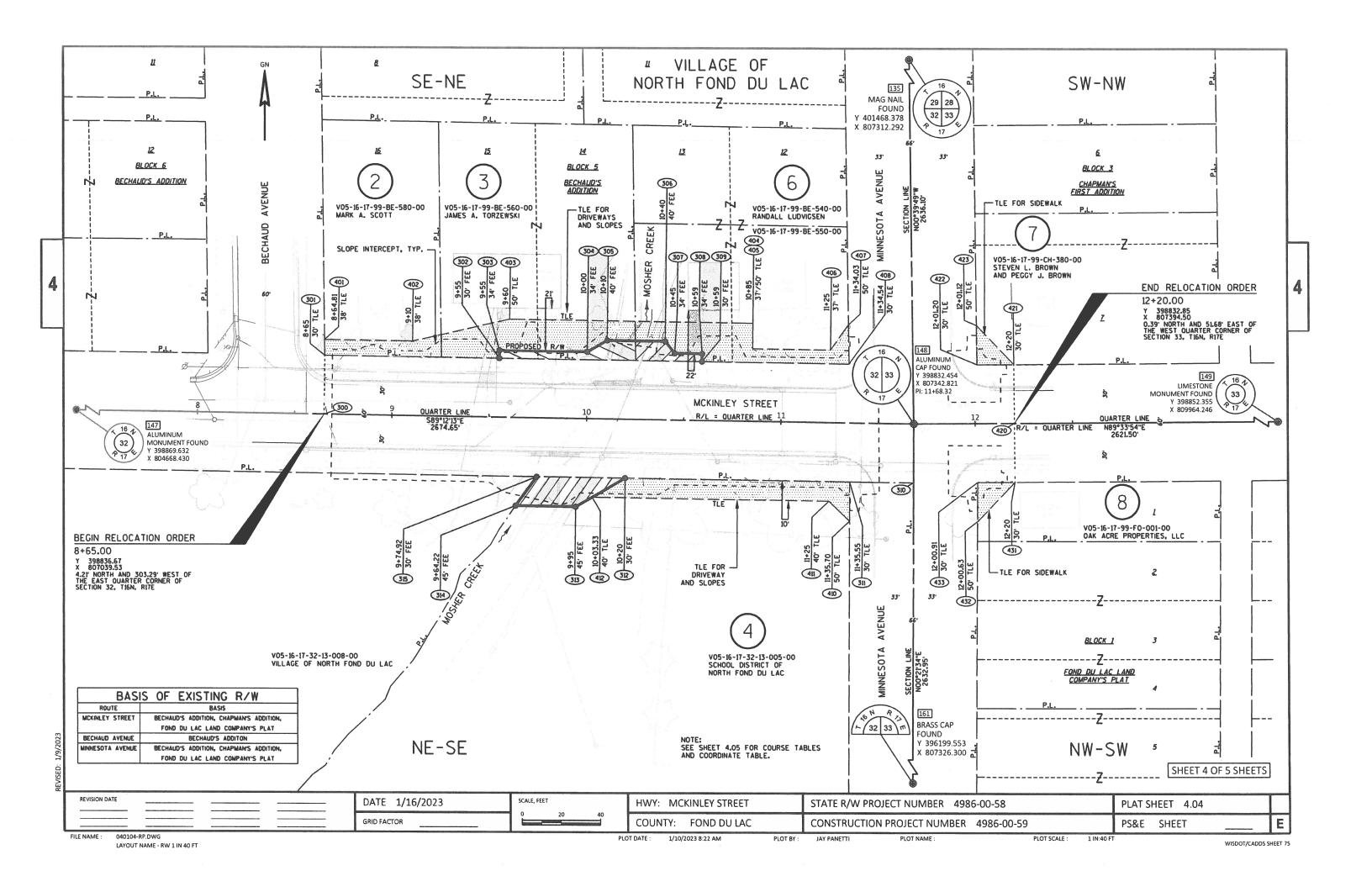
	PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/V NEW	V ACRES REQU EXISTING	IRED TOTAL	T.L.E. ACRES TEMP.	
	2	4.04	MARK A. SCOTT	TLE	0	0	0	0.012	V05-16
	3	4.04	JAMES A. TORZEWSKI	FEE, TLE	0.009	0	0.009	0.033	
	4	4.04	SCHOOL DISTRICT OF NORTH FOND DU LAC	FEE, TLE	0.013	0	0.013	0.030	
	6	4.04	RANDALL LUDVIGSEN	FEE, TLE	0.006	0	0.006	0.032	V05-16
	7	4.04	STEVEN L. BROWN AND PEGGY J. BROWN	TLE	0	0	0	0.004	V05-16
	8	4.04	OAK ACRE PROPERTIES, LLC	TLE	0	0	0	0.004	V05-16
4									
		1							

SED

REVISION DAT	re		 DATE 1/16/2023	SCALE, FEET	HWY:	MCKINLEY STREET		STATE R/W PRO	DJECT NUMBER 498	36-00-58
			GRID FACTOR		COUN	ITY: FOND DU LAC		CONSTRUCTIO	N PROJECT NUMBER	4986-0
	040102-RP.DWG	r		PLC	DT DATE :	1/9/2023 2:36 PM	PLOT BY :	JAY PANETTI	PLOT NAME :	

KEY NUMBER						
16-17-99-BE-580-00						
16-17-99-BE-560-00						
16-17-32-13-005-00						
16-17-99-BE-550-00						
16-17-99-CH-380-00					ŀ	
16-17-99-FO-001-00						
						4
		CUE		C CUEET		
		ISHE		5 SHEET	의	
	PLAT SI	HEET 4	.02			
0-59	PS&E	SHEET			E	
PLOT SCALE : 1 IN:100 F				WISDOT/CADD		
				WIGOUT/CAUL	Janeel /3	





## COURSE TABLES

# PARCELS 3 & 6 - FEE POINT POINT BEARING DISTANCE 303.32 BEARING N89°12'13''W M00°47'47''E S89°12'13''E N00°47'47''E S89°12'13''E S89°12'13''E S89°12'13''E S89°12'13''E S89°12'13''E S89°12'13''W N89°12'13''W

## PARCEL 4 - FEE

	FROM	TO		
F	POINT	POINT	BEARING	DISTANCE
	148	310	S00°21'34"W	30.00'
	310	311	N89°12'13"W	33.00'
	311	312	N89°12'13"W	115.55'
	312	313	S59°49'57"W	29,15'
	313	314	N89°12'13"W	30.78
	314	315	N36°17'22"E	18.42'
	315	312	S89°12'13"E	45.08'

PARCE	LS 2,	3 & 6 -	TLE
FROM	TO		
POINT	POINT	BEARING	DISTANCE
148	300	N89°12'13"W	303.32'
300	301	N00°47'47"E	30.00'
301	401	N00°37'39"W	8.00'
401	402	S89°12'13"E	45.19
402	403	N77°18'03"E	51.42'
403	404	S89°12'13"E	125.00'
404	405	S00°47'47"W	13.00'
405	406	S89°12'13"E	40.00'
406	407	N35°35'42"E	15.83'
407	408	S00°39'49"E	20.01
408	309	N89°12'13"W	75.54'
309	308	N00°47'47"E	4.00'
308	307	N89°12'13"W	14.00'
307	306	N39°00'33"W	7.81
306	305	N89°12'13"W	30.00'
305	304	S59°49'58"₩	1L66'
304	303	N89°12'13"W	45.00'
303	302	S00°47'47"W	4.00'
302	301	N89°12'13"₩	90.00'

# PARCEL 7 - TLE FROM TO POINT POINT BE BEARING DISTANCE

148	420	N89°33'54"E	51.68'
420	421	N00°26'06"W	30.00'
421	422	S89°33'54"W	18,80'
422	423	N00°39'49"W	20.00'
423	421	S43°47'03"E	27.50'

### PARCEL 8 - TLE POINT POINT DIST/ 42

	301	228866.6
	302	398865.4
	303	398869.4
1	304	398868.79
	305	398874.6
	306	398874.2
	307	398868.1
1	308	398867.9
	309	398863.9
	310	398802.4
	311	398802.9 398804.5 398789.8
	312	398804.5
	313	398789.8
	314	398790.2
	315	398805.1
	401	398874.6
	402	398874.0
	403	398885.3
	404	398883.6
	405	398870.6
	406	398870.0
	407	398882.9
	408	398862.9
	410	398782.9
	411	398793.0
	412	398794.7
	420	398832.8
	421	398862.8 398862.7
	422	398862.7
	423	398882.7
		90. 
	431	398802.8
	432	398782.7
	433	398802.7

COORDINATE POINT NO 300 398835.

N 398836, 398865

P	۲A	R	С	E	L	4	-	Т	L	E	
-				_	_				_	_	
	C C					TO					

- 1	FROM	10		
L	POINT	POINT	BEARING	DISTANCE
[	148	310	S00°21'34"W	30.00'
- [	310	311	N89°12'13"W	33.00'
- [	311	410	500°21'34"W	20.00'
- [	410	411	N46°08'27"W	14.65'
-[	411	412	N89°12'13"W	121.67
[	412	312	N59°49'57"E	19.44'
- [	312	311	S89°12'13"E	115.55'

REVISION DATE		DATE 1/16/2023	SCALE, FEET	HWY: MCKINLEY STREET		STATE R/W PROJECT NUMBE	R 4986-00-58
		GRID FACTOR		COUNTY: FOND DU LAC		CONSTRUCTION PROJECT NU	MBER 4986-00
FILE NAME : 040105-RP.DWG	(2)		PLC	T DATE : 1/10/2023 8:22 AM	PLOT BY :	JAY PANETTI PLOT NAME :	

LAYOUT NAME - RW 1 IN 40 FT

4

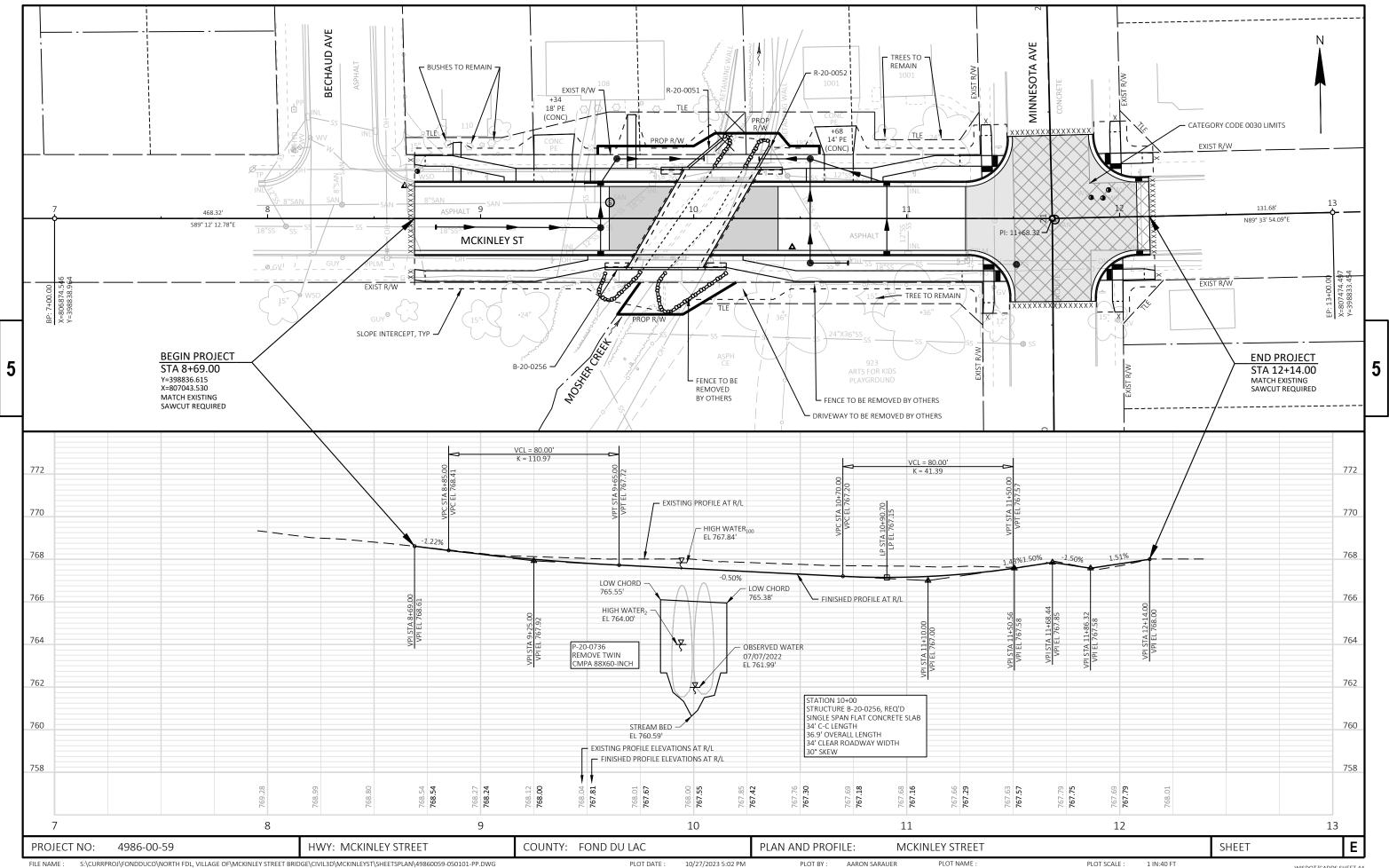
PLOT DATE : 1/10/2023 8:22 AM

PLOT NAME :

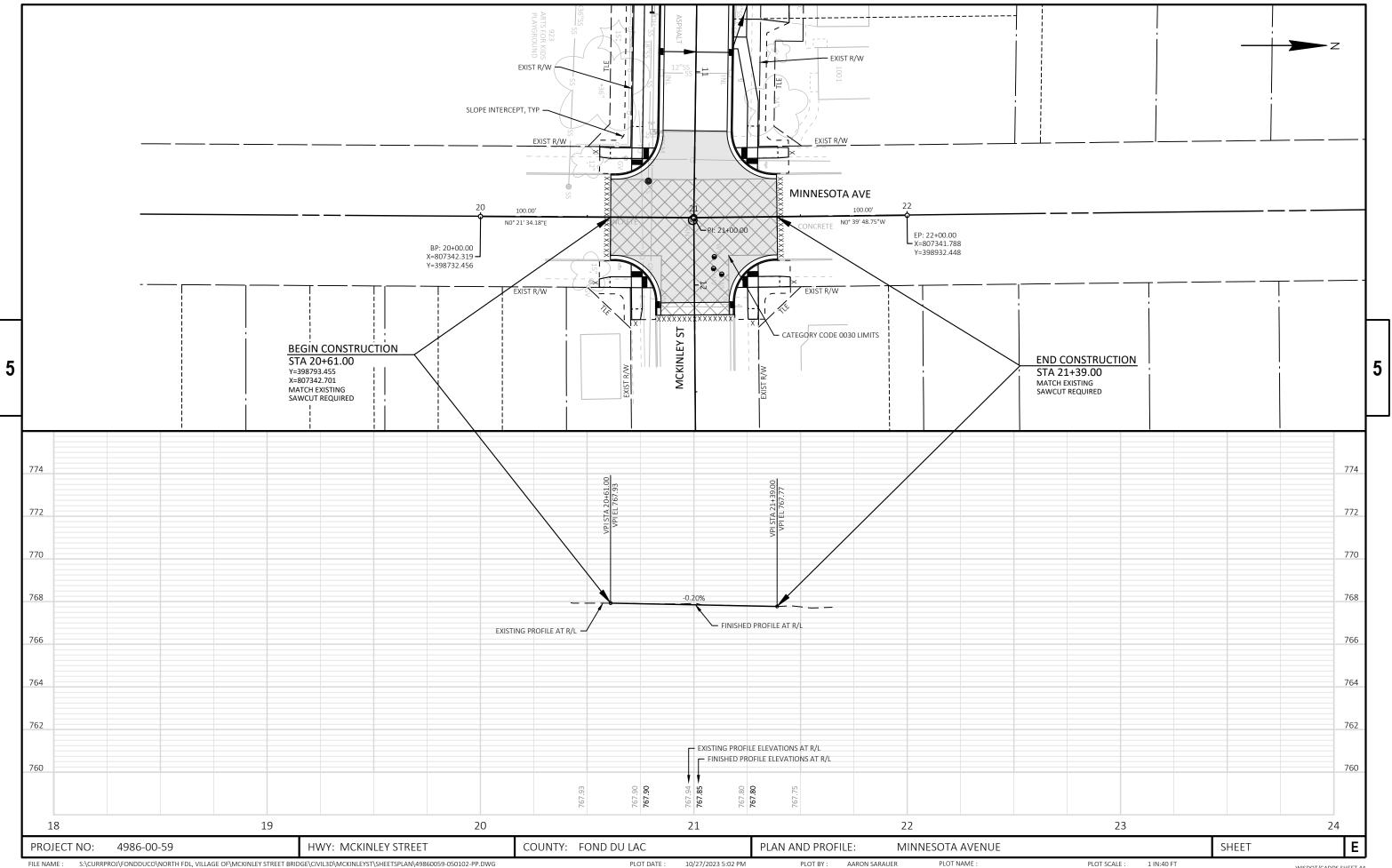
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E TABLE NORTH EAST 6.6701 807039.5346 5.6672 807039.9516 5.4163 807129.9388 9.94159 807129.9944 8.7904 807174.9901 4.6508 807185.0725 4.2338 807215.0696 8.1649 807219.9857 7.9703 807233.9844 3.9707 807233.9288 2.4537 807342.6328 22.9124 807309.6350			4
34.5186         807194.0985           9.8675         807168.8924           0.2953         807138.1190           05.1452         807138.1190           05.1452         807138.1190           15.1452         807139.8640           4.6692         807039.8640           4.6692         807039.8640           4.6692         807039.8640           4.6692         807039.8640           4.6692         807039.8640           4.6692         807039.8640           4.6692         807260.234           5.3448         807135.2163           3.6073         807260.2043           0.6086         807260.2043           0.6086         807309.0197           2.9256         807309.309.342           2.9206         807309.5095           3.0600         807288.9494           94.7512         807177.2944           2.8463         807394.4997			
2,8455 807394,2720 2,7027 807375,4729 32,7016 807375,2413 2,8472 807394,7275 2,7007 807375,5095 2,7022 807375,6350			
	SHEET 5 OF 5 SHEETS		
}	PLAT SHEET 4.05		
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PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75



LAYOUT NAME - Sheet-01



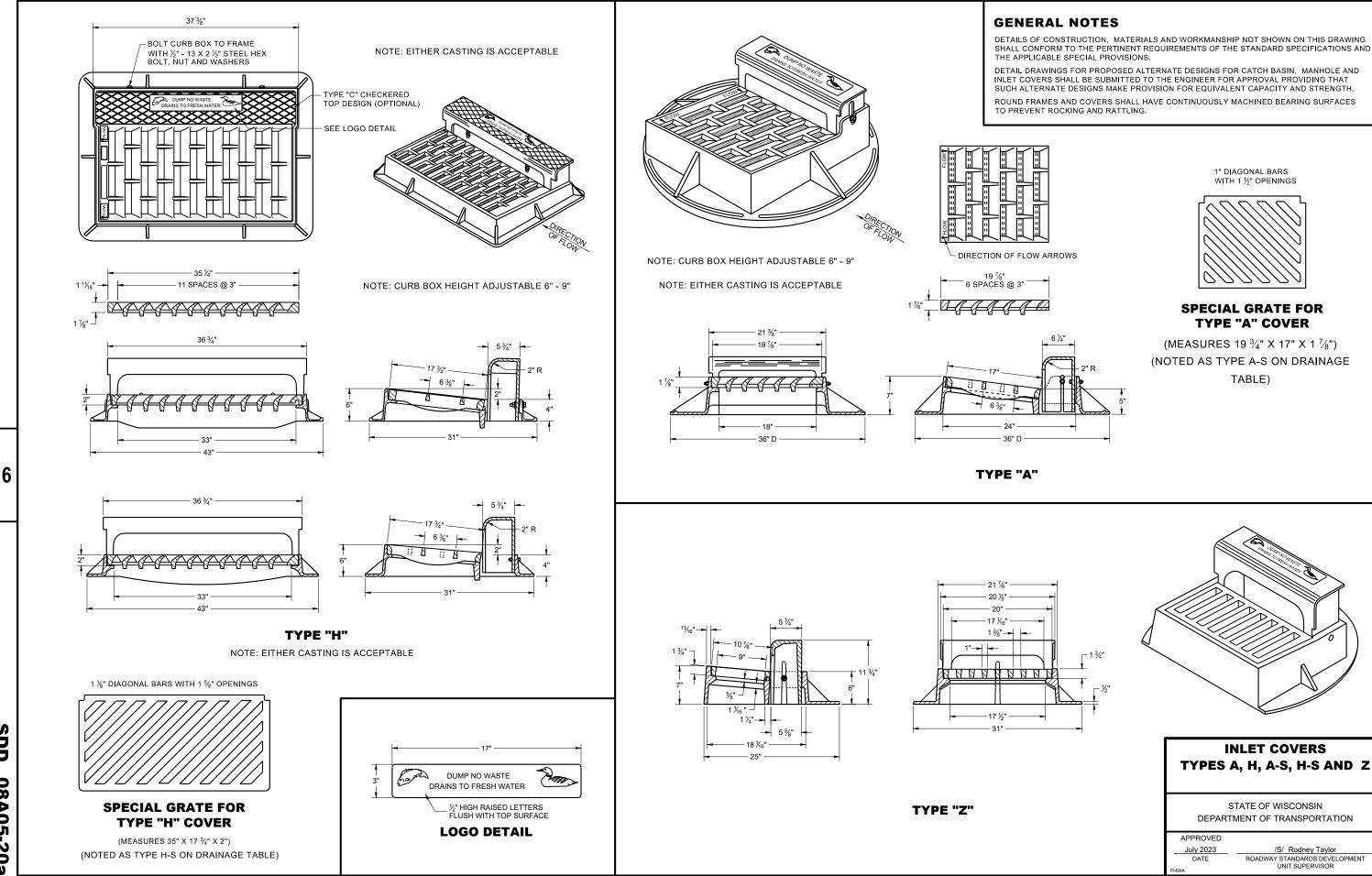
LAYOUT NAME - Sheet-01

WISDOT/CADDS SHEET 44

<sup>10/27/2023 5:02</sup> PM

# Standard Detail Drawing List

08A05-20A	INLET COVERS TYPE A, H, A-S, H-S & Z				
08А05-20В	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM				
08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M				
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT				
08в09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER				
08D01-23A	CONCRETE CURB & GUTTER				
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS				
08D05-21A	CURB RAMPS TYPES 1 AND 1-A				
08D05-21B	CURB RAMPS TYPES 2 AND 3				
08D05-21C	CURB RAMPS TYPES 4A AND 4A1				
08D05-21D	CURB RAMPS TYPE 4B AND 4B1				
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8				
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS				
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES				
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y				
08E10-02	INLET PROTECTION TYPE A, B, C AND D				
08E11-02	TURBIDITY BARRIER				
08E14-01	TRACKING PAD				
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL				
12A03-10	NAME PLATE (STRUCTURES)				
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB				
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES				
13C13-11	URBAN DOWELED CONCRETE PAVEMENT				
13C18-08A	CONCRETE PAVEMENT JOINTING				
13С18-08в	CONCRETE PAVEMENT STEEL REINFORCEMENT				
13C18-08C	CONCRETE PAVEMENT JOINT TYPES				
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES				
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES				
15с02-09в	BARRICADES AND SIGNS FOR VARIOUS CLOSURES				
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES				
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS				
15С11-10в	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS				
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING				
15d30-09a	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09в	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09н	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09к	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION				

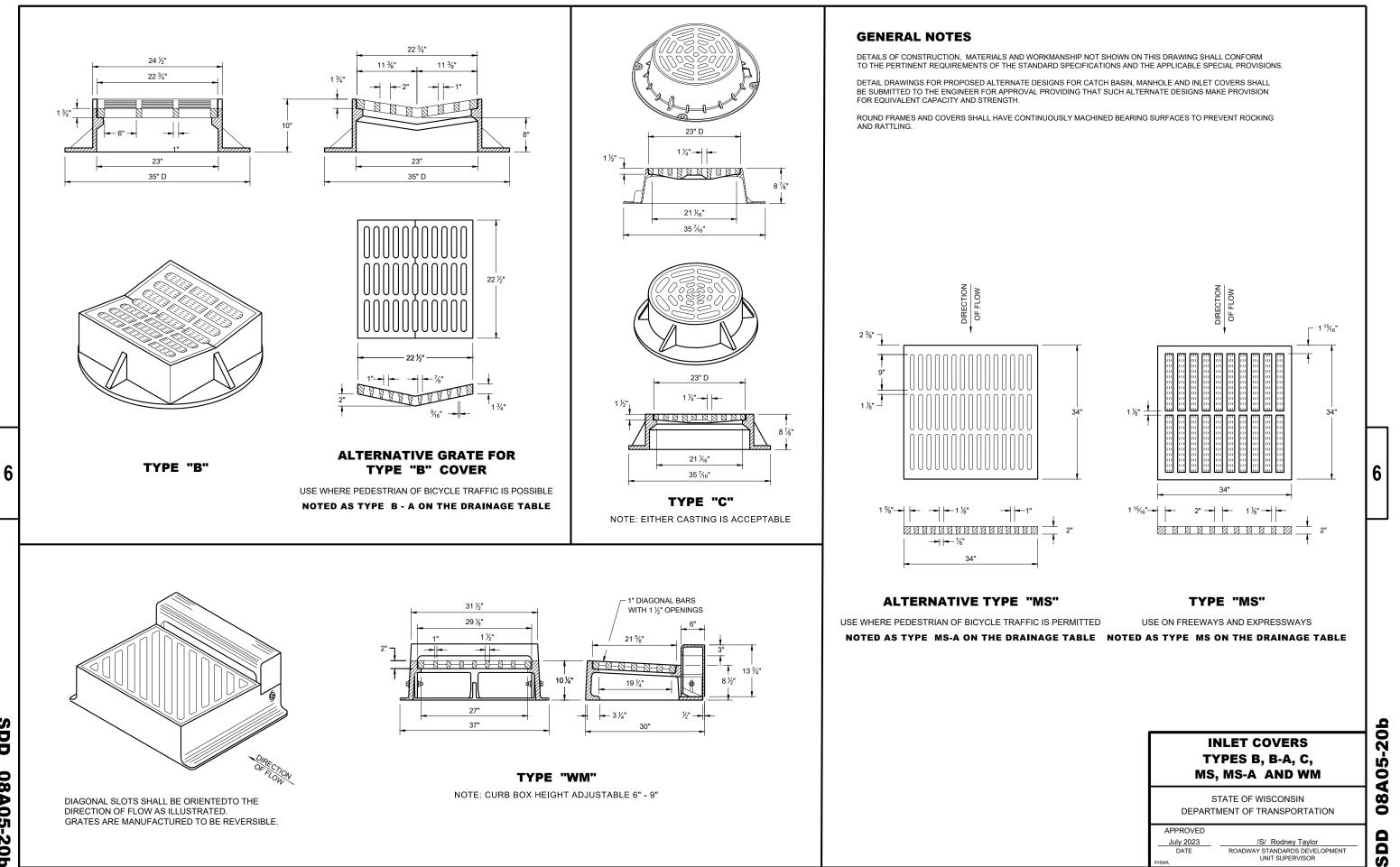


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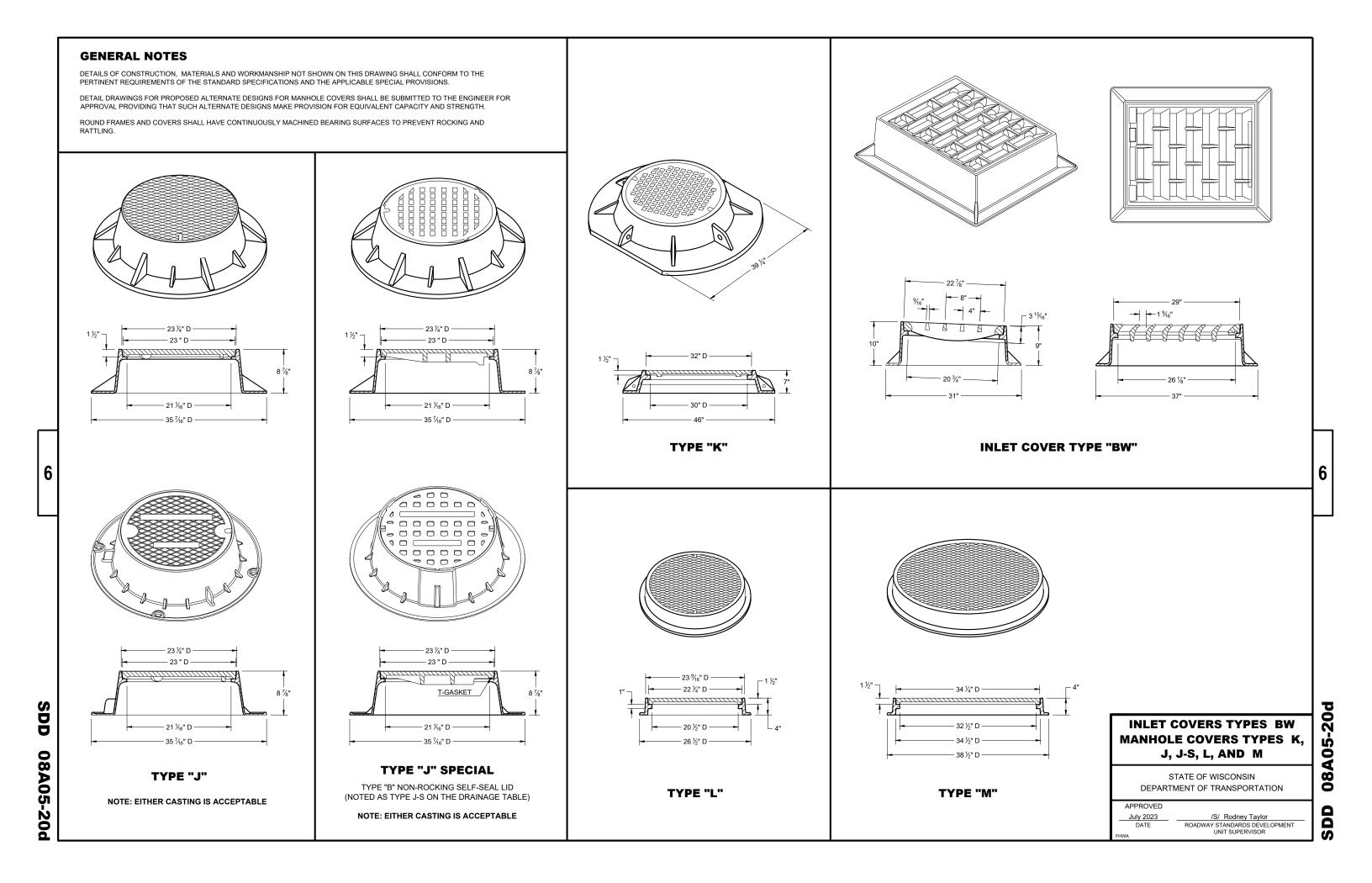
# 6 0 Ñ TYPES A, H, A-S, H-S AND Z A05-08

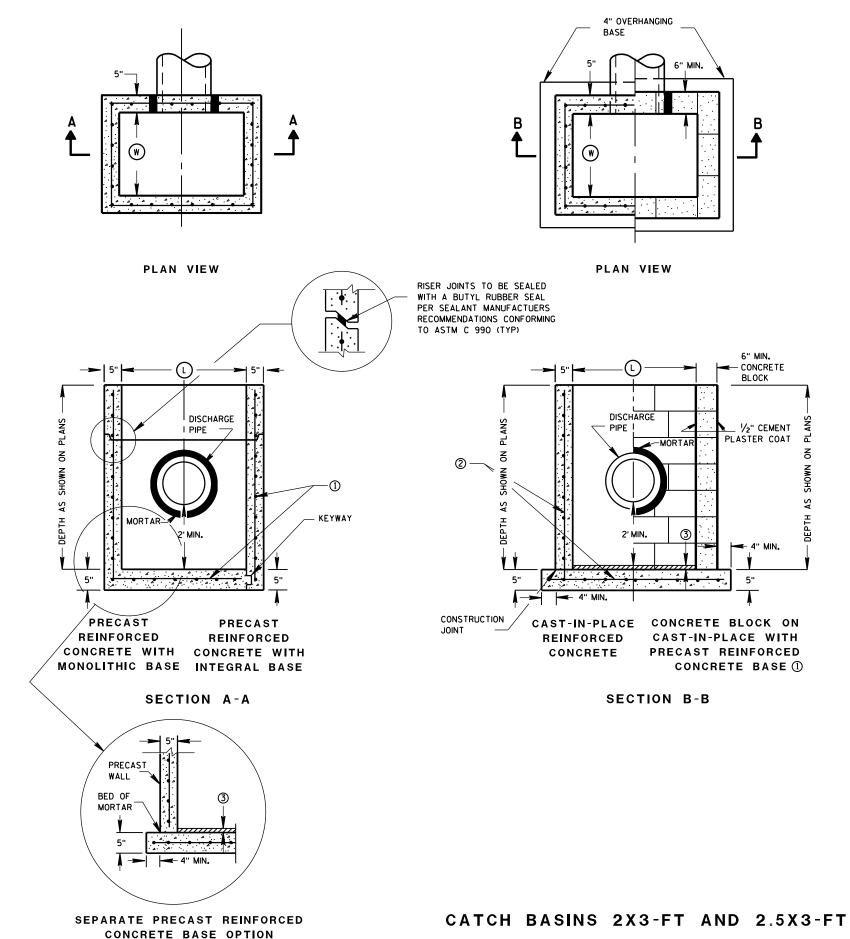
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SDD 08A05-20b





# **GENERAL NOTES**

THE ENGINEER.

EQUIVALENT CAPACITY AND STRENGTH.

SUPPORT FOR THE ENTIRE AREA OF THE BASE.

4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

CAST-IN-PLACE STRUCTURES.

(3) I" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

# CATCH BASIN COVER MATRIX

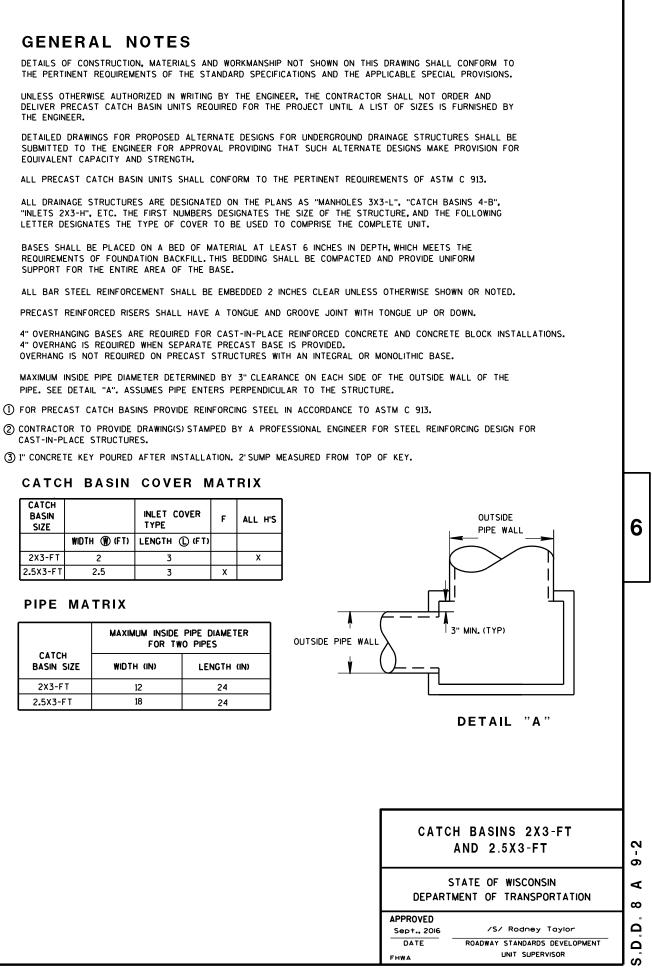
CATCH BASIN SIZE		INLET COVER Type	F	A
	WIDTH (W) (FT)	LENGTH () (FT)		
2X3-FT	2	3		
2.5X3-FT	2.5	3	х	

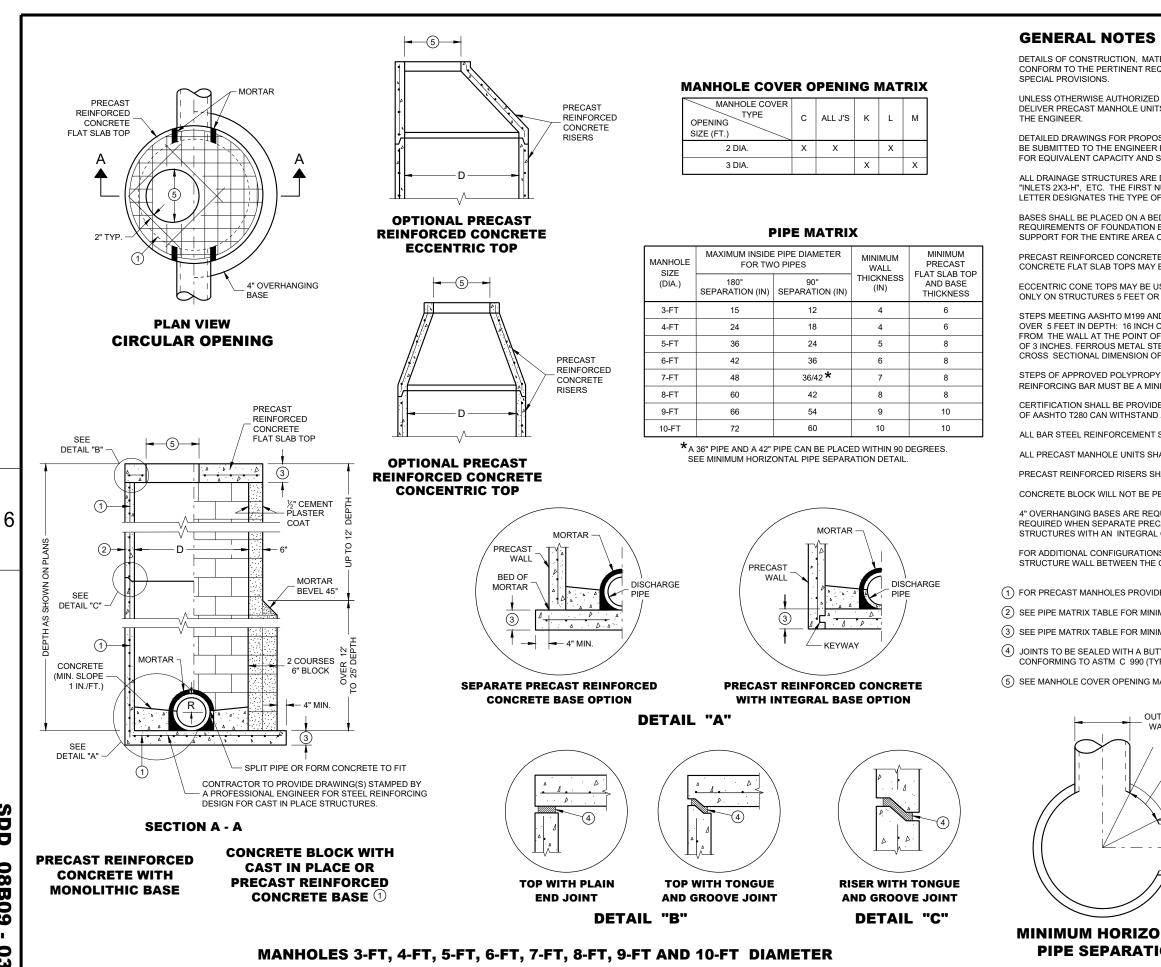
# PIPE MATRIX

S

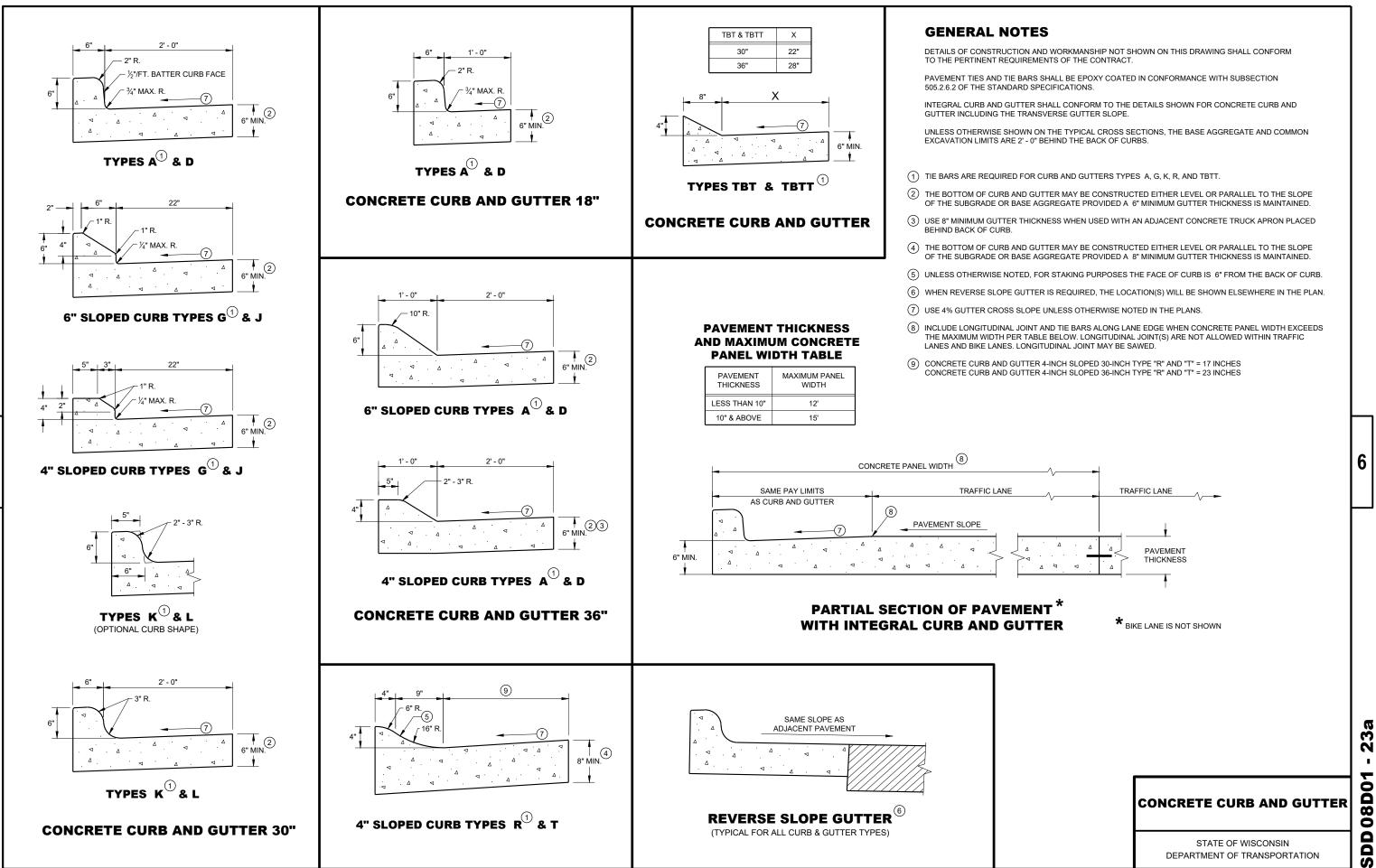
	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		
CATCH BASIN SIZE	WIDTH (IN)	LENGTH (IN	
2X3-FT	12	24	
2.5X3-FT	18	24	

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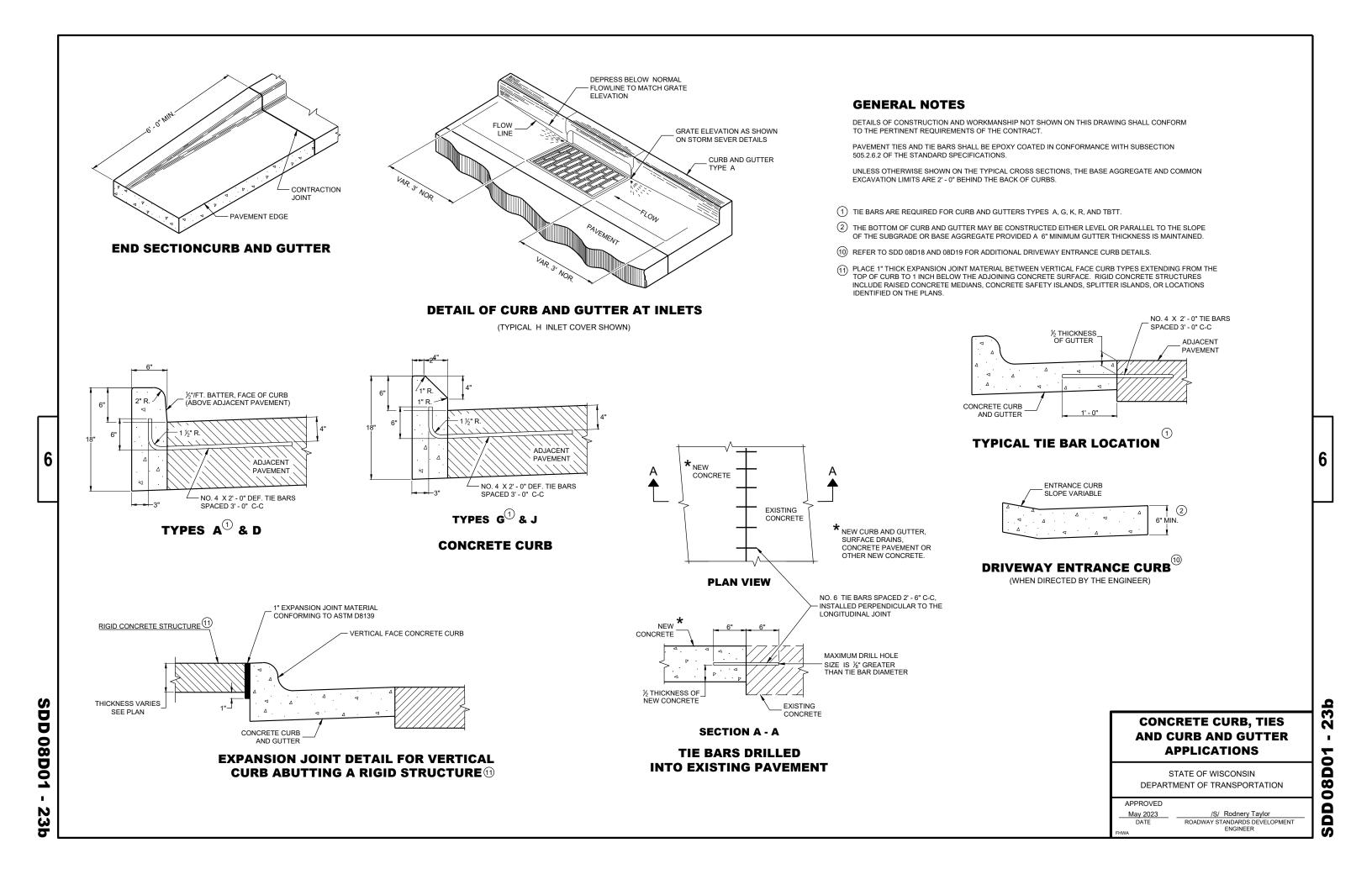
S		
	NOT SHOWN ON THIS DRAWING SHALL ARD SPECIFICATIONS AND THE APPLICABLE	
	ER, THE CONTRACTOR SHALL NOT ORDER AND ECT UNTIL A LIST OF SIZES IS FURNISHED BY	
	OR UNDERGROUND DRAINAGE STRUCTURES SHALL THAT SUCH ALTERNATE DESIGNS MAKE PROVISION	
	AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", ZE OF THE STRUCTURE, AND THE FOLLOWING MPRISE THE COMPLETE UNIT.	
	NCHES IN DEPTH, WHICH MEETS THE HALL BE COMPACTED AND PROVIDE UNIFORM	
RETE CONE TOPS (ECCENTRIC C AY BE USED ON CONCRETE BLC	R CONCENTRIC) OR PRECAST REINFORCED DCK STRUCTURES.	
	CONCENTRIC CONE TOPS SHALL BE USED HERWISE DIRECTED BY THE ENGINEER.	
CH C-C MAXIMUM SPACING; PRO FOF EMBEDMENT; MINIMUM LE	MENTS SHALL BE INSTALLED IN ALL STRUCTURES DJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES NGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT FED TO RESIST CORROSION SHALL HAVE A MINIMUM	
	NFORCEMENT BAR ARE ACCEPTABLE. THE REQUIREMENTS OF ASTM A615.	
	WHEN TESTED IN ACCORDANCE WITH SECTION 10 3S. AND A HORIZONTAL LOAD OF 400 LBS.	
	IES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.	
SHALL CONFORM TO THE PERT	INENT REQUIREMENTS OF AASHTO DESIGNATION M199.	
SHALL HAVE A TONGUE AND G	ROOVE JOINT WITH TONGUE UP OR DOWN.	
E PERMITTED FOR STRUCTURE	S GREATER THAN 4 FEET IN DIAMETER.	
	BLOCK INSTALLATIONS. 4" OVERHANG IS 'ERHANG IS NOT REQUIRED ON PRECAST	6
IONS, MAINTAIN A MINIMUM OF HE OUTSIDE PIPE WALLS OF AD	12 INCHES AS MEASURED FROM THE INSIDE OF THE JACENT PIPES. SEE DETAIL "D".	
VIDE REINFORCING STEEL IN A	CCORDANCE TO AASHTO M199.	
IINIMUM WALL THICKNESS FOR	PRECAST MANHOLES	
INIMUM THICKNESS OF PRECAS	ST FLAT SLAB TOPS AND BASES.	
BUTYL RUBBER SEAL PER SEAL. (TYP.).	ANT MANUFACTURERS RECOMMENDATIONS	
G MATRIX.		
OUTSIDE PIPE WALL (TYP.)		
/		
12" MIN.		
$\times$		
		8
()	MANHOLES, 3-FT, 4-FT	
<b>X</b>	5-FT, 6-FT, 7-FT, 8-FT, 9-FT	6
$\int_{T}$	AND 10-FT DIAMETER	
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	08809
ONTAL	APPROVED November 2021 /S/ Rodney Taylor	<u>م ا</u>
TION	DATE ROADWAY STANDARDS DEVELOPMENT	SDD
	FHWA	1 0)

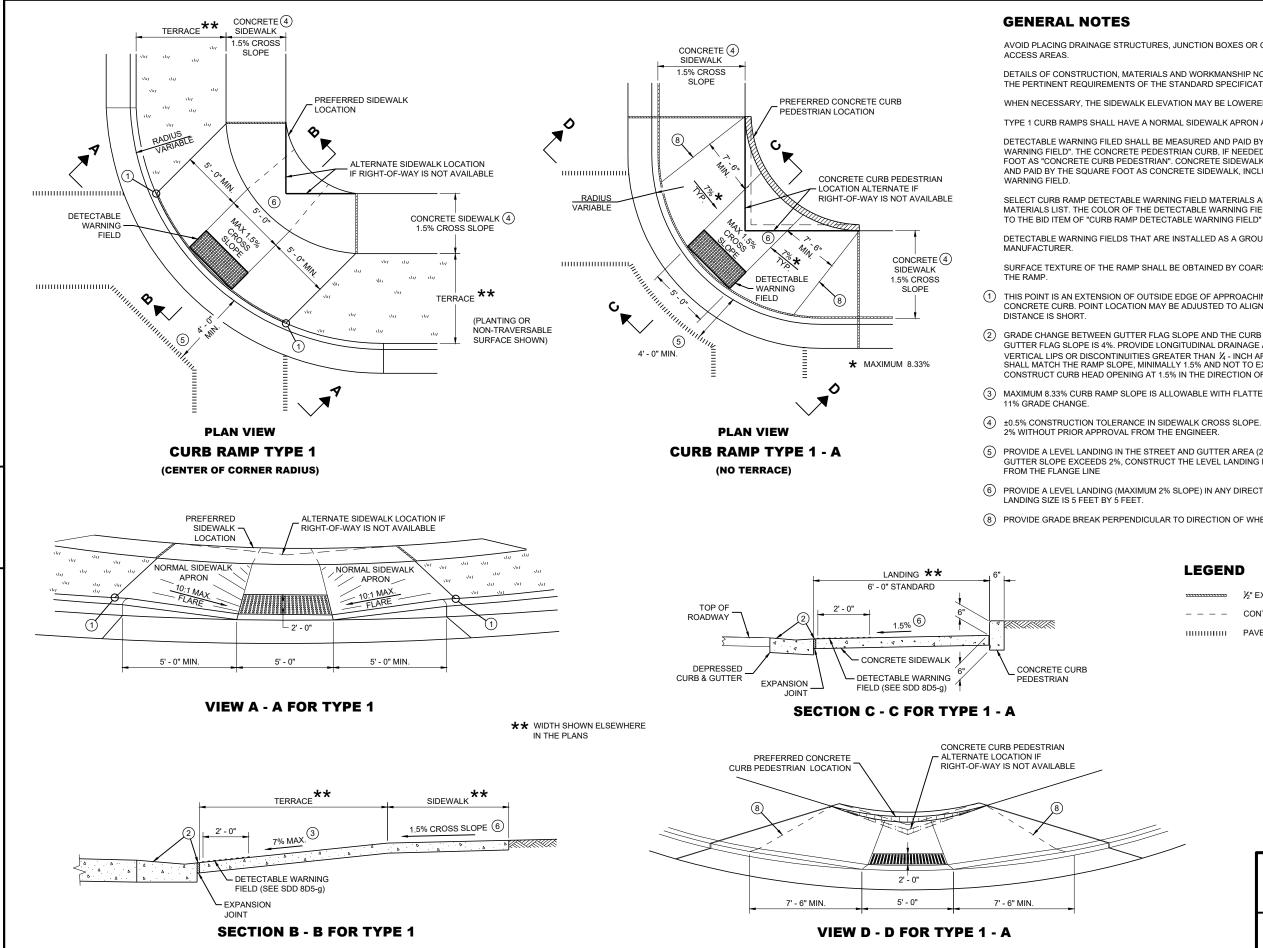


**SDD 08D01** 23a

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DEPARTMENT OF TRANSPORTATION





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	OD OTUED	OBSTRUCTIONS IN FRONT OF RAMP	
JIURES, JUNCTION DORES	OK UTHER	OBSTRUCTIONS IN FRONT OF RAIVE	

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.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF

THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED

±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED

PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

# LEGEND

 $ u_2$ " EXPANSION JOINT SIDEWALK
 CONTRACTION JOINT FIELD LOCATED

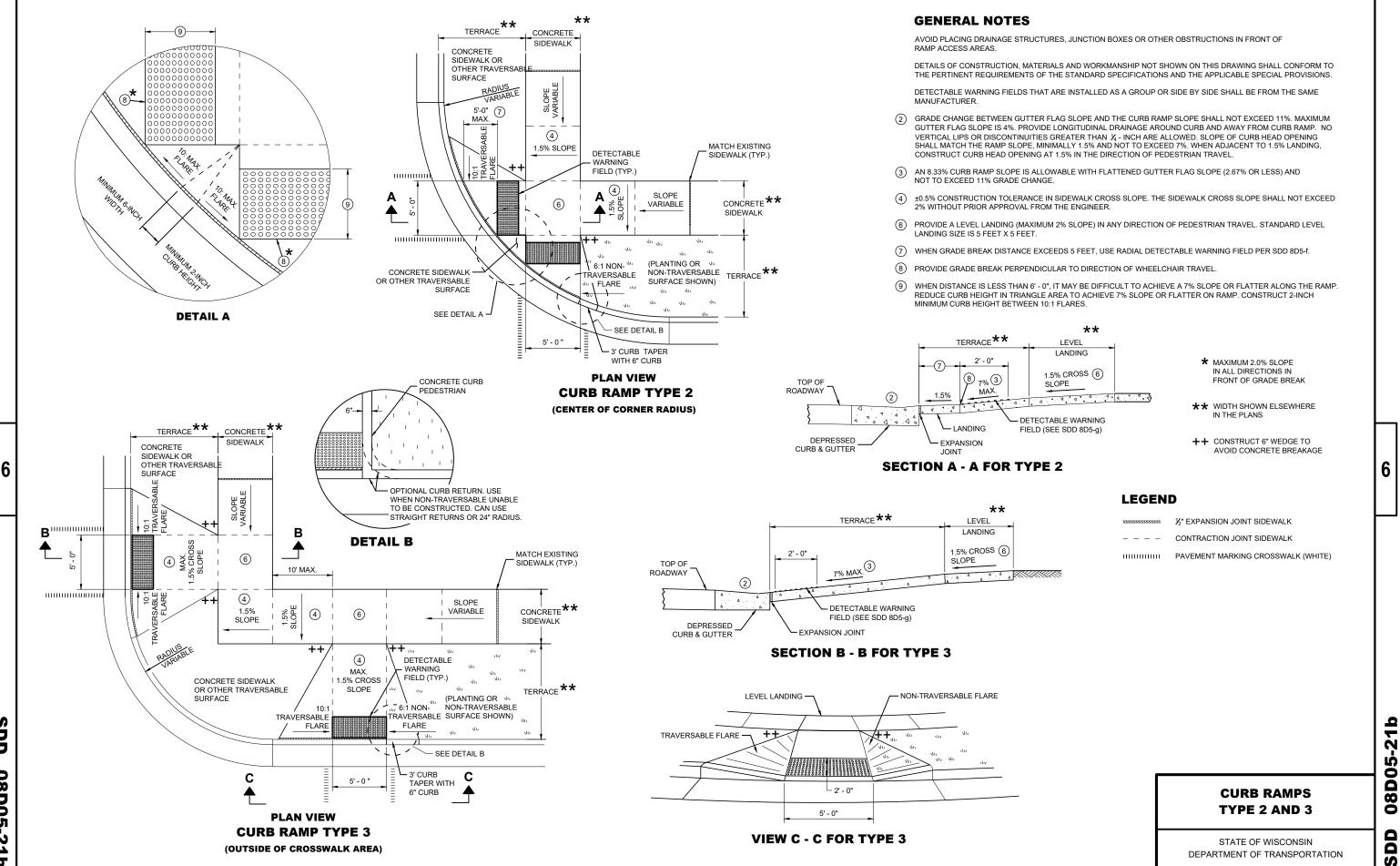
IIIIIIIIII PAVEMENT MARKING CROSSWALK (WHITE)

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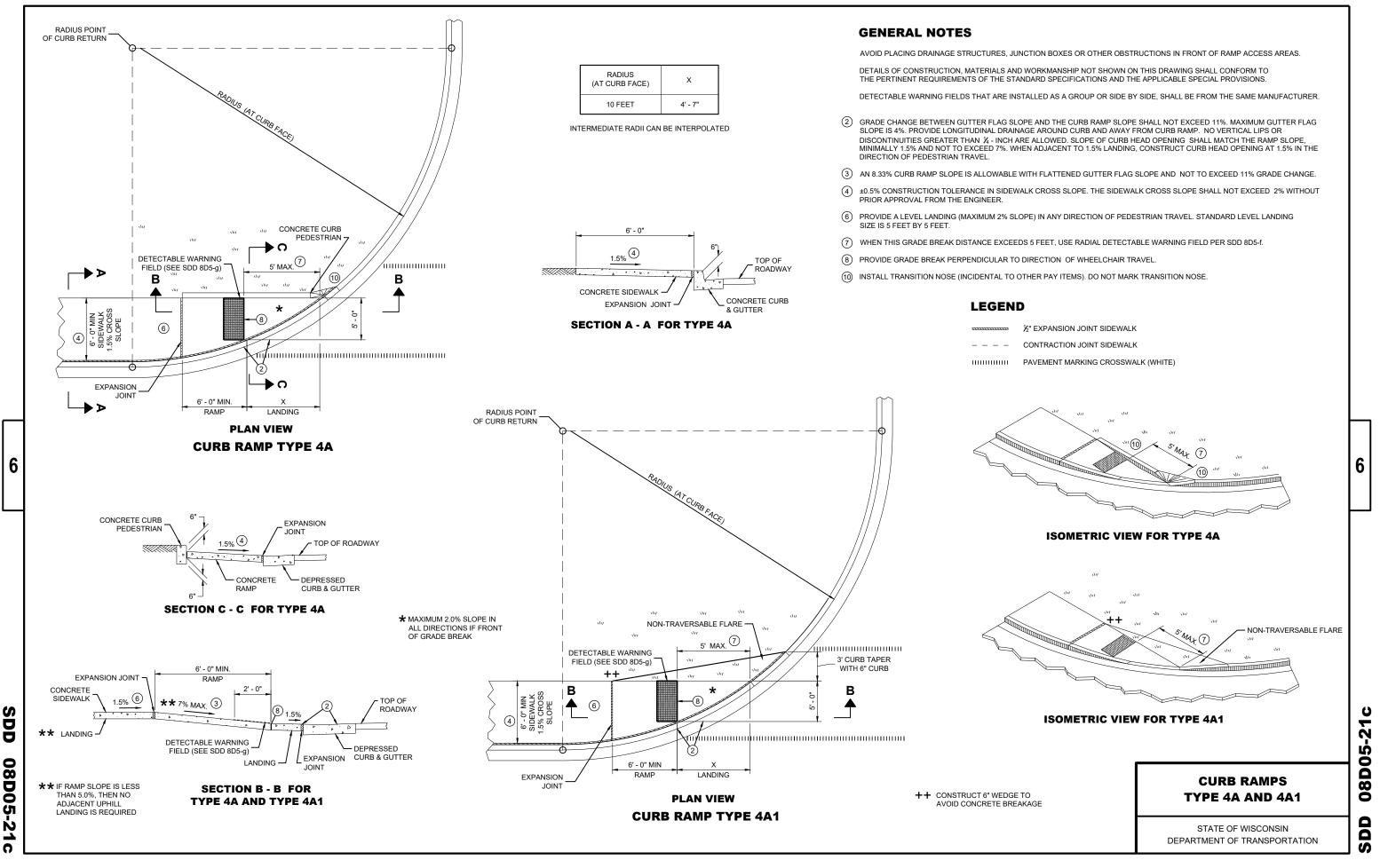
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# **CURB RAMPS TYPE 1 AND 1-A**

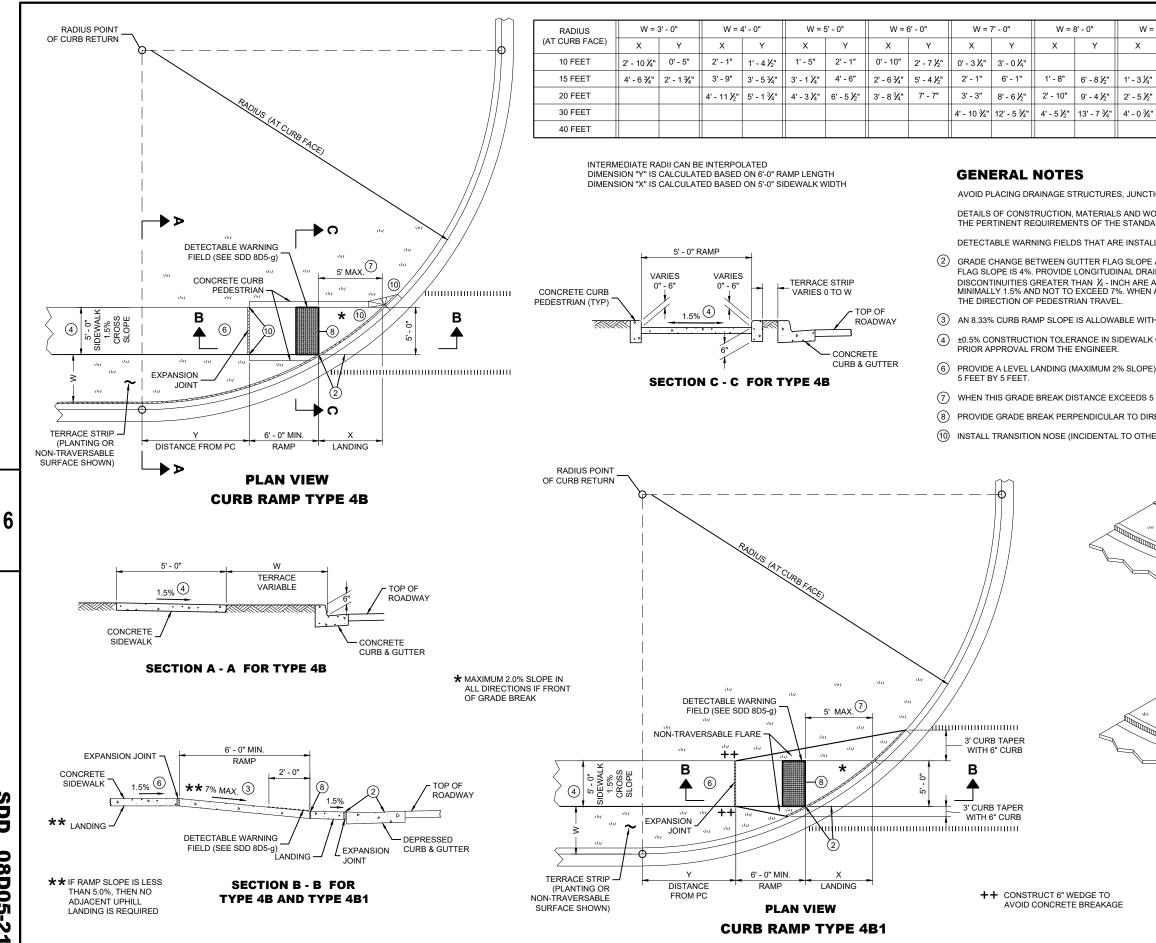
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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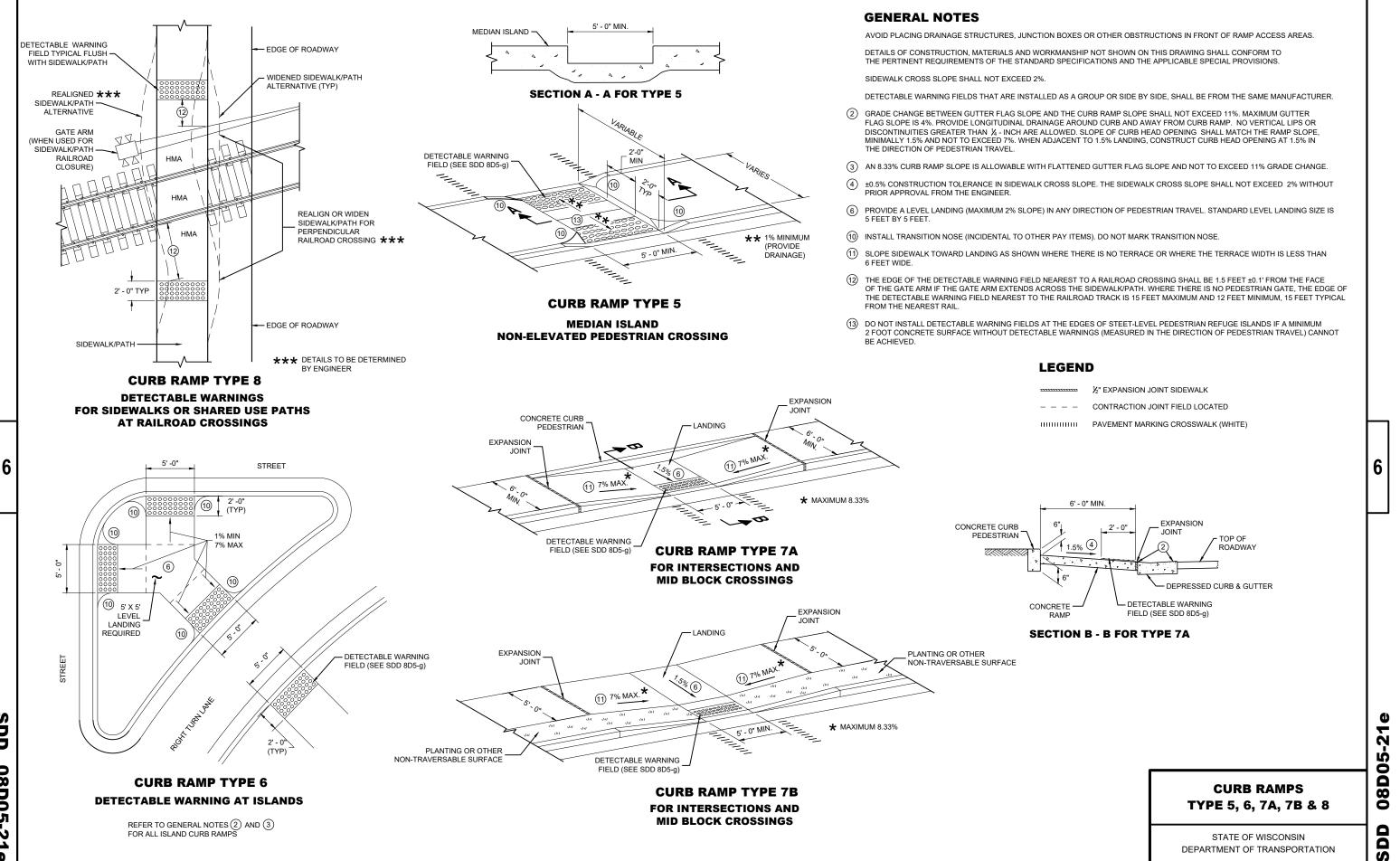


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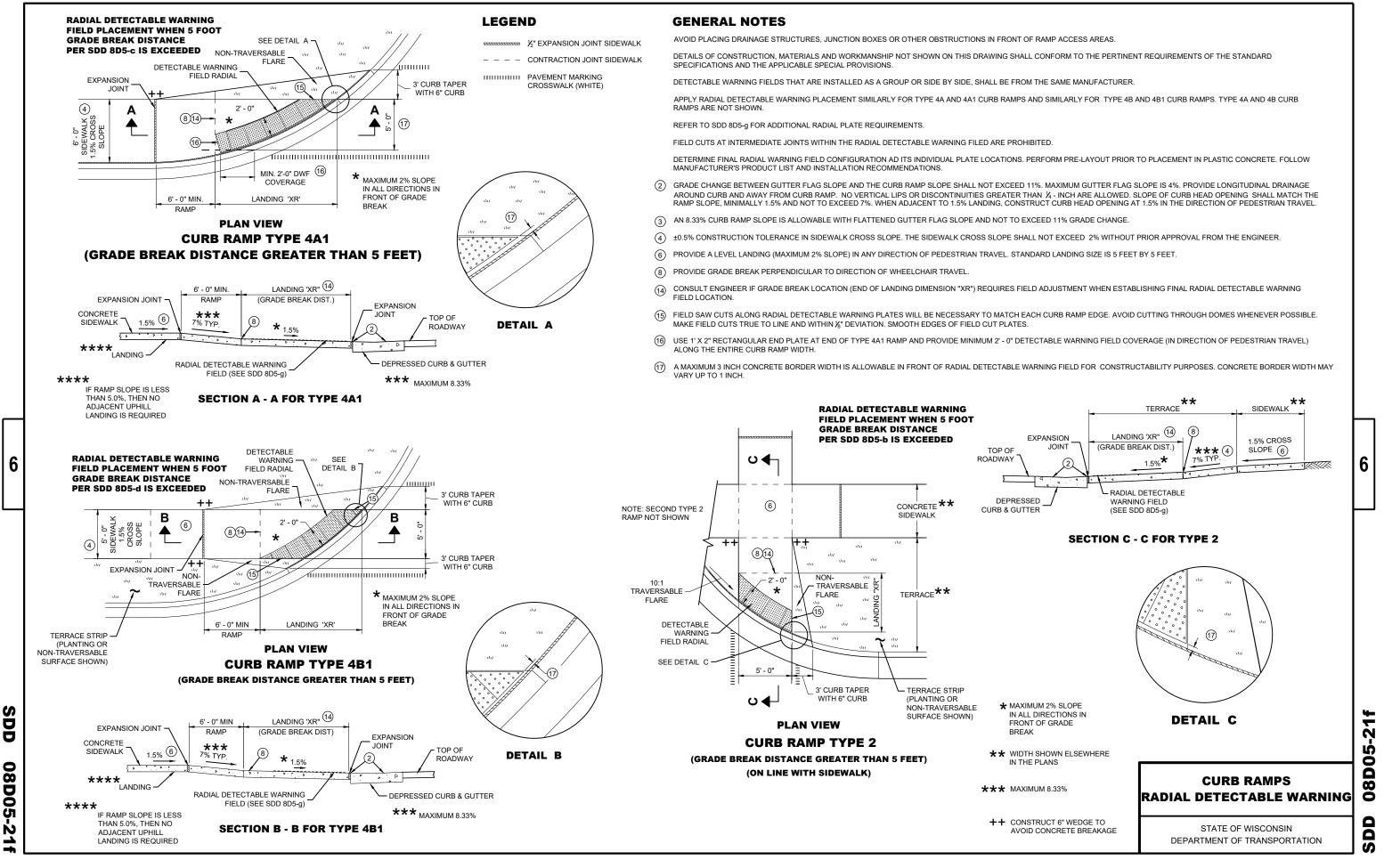


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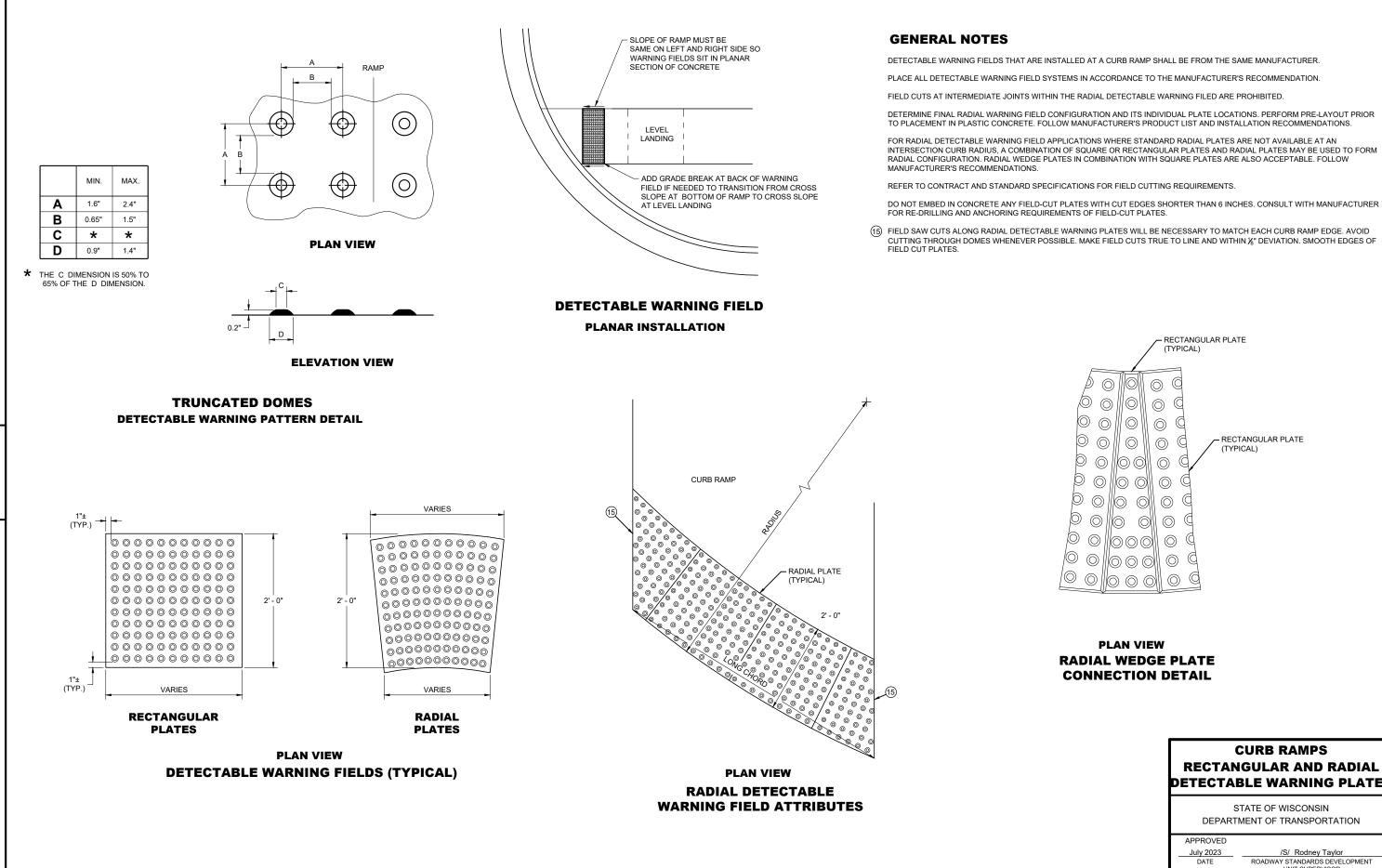
/= 9	9' - 0"	W = 1	0' - 0"	]		
	Y	x	Y	LEGEN	n –	
				LEGEN		
V4"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"		$\frac{1}{2}$ " EXPANSION JOINT SIDEWALK	
1/2"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"		CONTRACTION JOINT SIDEWALK	
<b>%</b> "	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"		PAVEMENT MARKING CROSSWALK (WHITE)	
		4' - 10 ¾"	19' - 8 ¼"	J		
					RAMP ACCESS AREAS.	
				HIS DRAWING SHALL		
ALL	ED AS A G	ROUP OR S	SIDE BY S	DE, SHALL BE FROM	THE SAME MANUFACTURER.	
PE A	ND THE C	URB RAMP	SLOPE SH	HALL NOT EXCEED 11	%. MAXIMUM GUTTER	
RAIN	AGE ARO	UND CURB	AND AWA	Y FROM CURB RAMP.	NO VERTICAL LIPS OR	
					ATCH THE RAMP SLOPE, AD OPENING AT 1.5% IN	
ITH	FLATTENE	ED GUTTER	FLAG SLO	OPE AND NOT TO EXC	EED 11% GRADE CHANGE.	
LK	CROSS SLO	OPE. THE S	IDEWALK	CROSS SLOPE SHALL	NOT EXCEED 2% WITHOUT	
PE)	IN ANY DIF	RECTION O	F PEDEST	RIAN TRAVEL. STAND	ARD LEVEL LANDING SIZE IS	
2 5 1			TECTABL	E WARNING FIELD PE		
		WHEELCH			K 3D0 6D3-1.	
ΠEI	A PAT IIEN	/15). DO NO	IWARKI	RANSITION NOSE.		
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	1501	IEIRIC	VIEW	FOR TYPE 4B	1	ι,
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				CU	RB RAMPS	
					4B AND 4B1	ö
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					IT OF TRANSPORTATION	
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# **RECTANGULAR AND RADIAL** DETECTABLE WARNING PLATES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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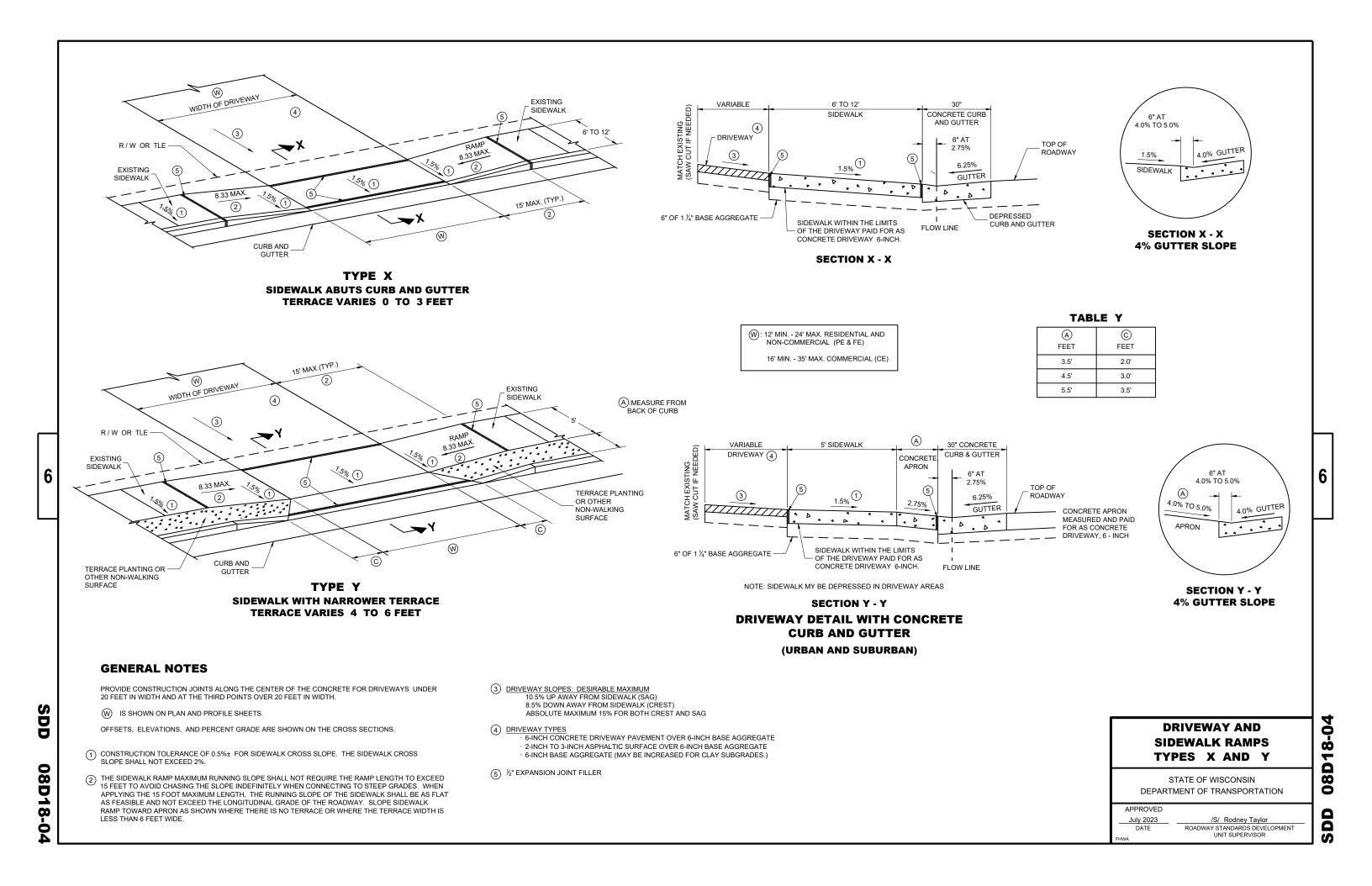
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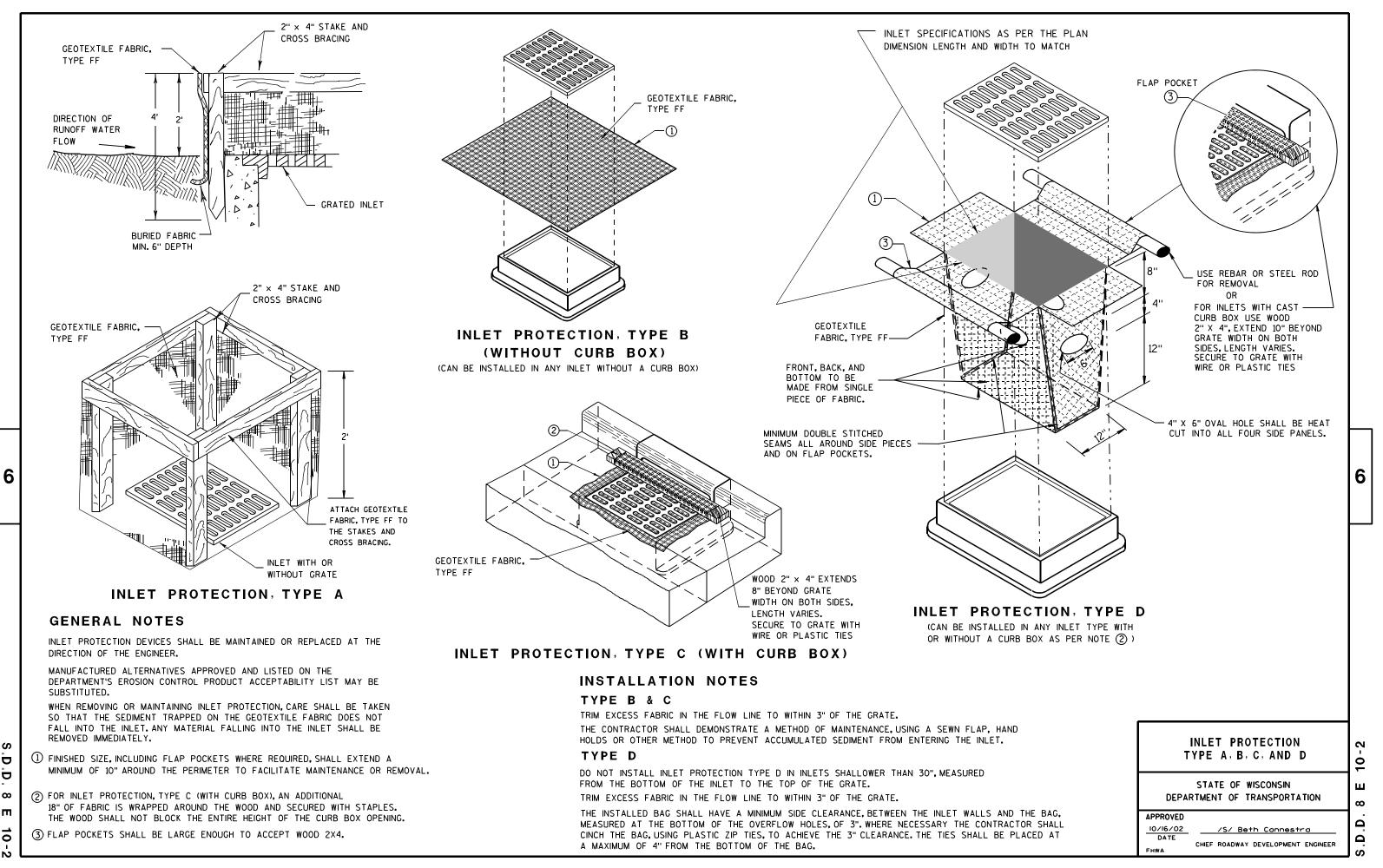
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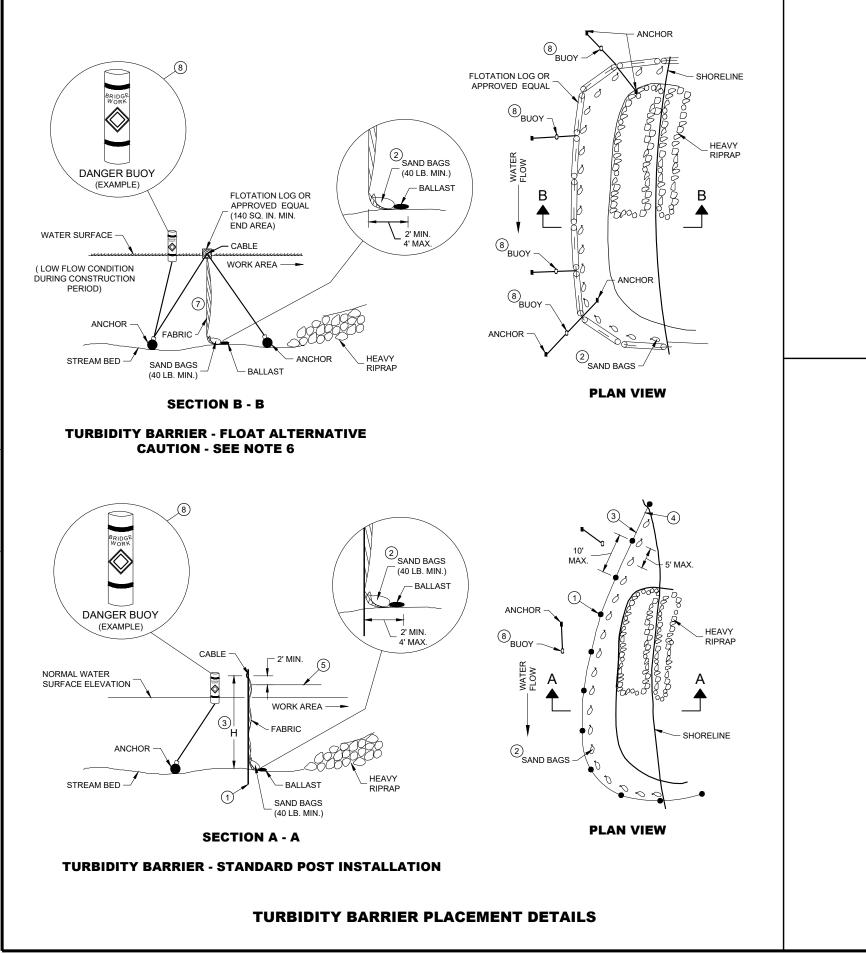
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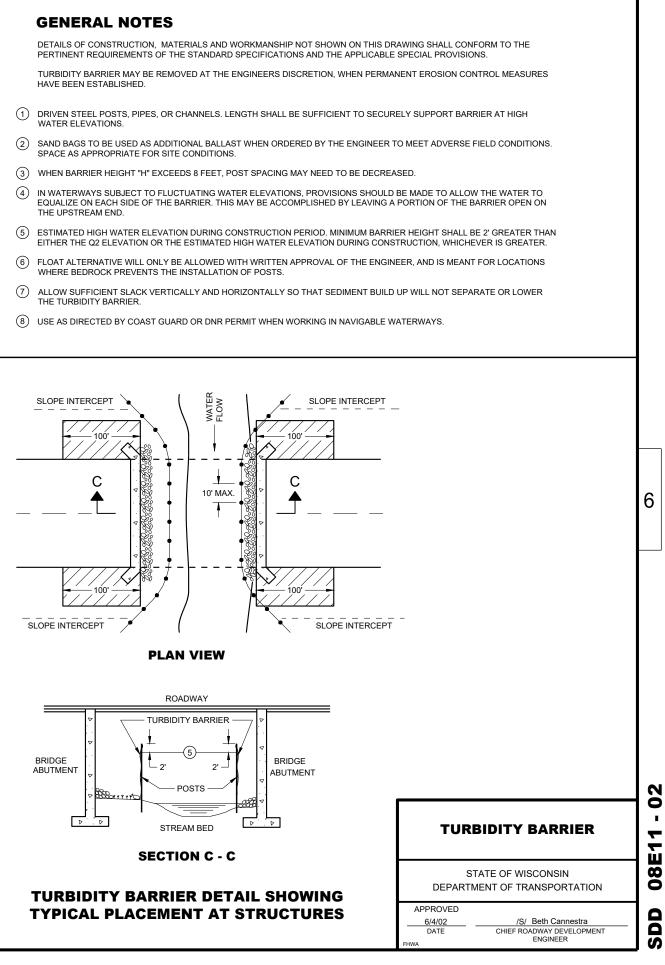


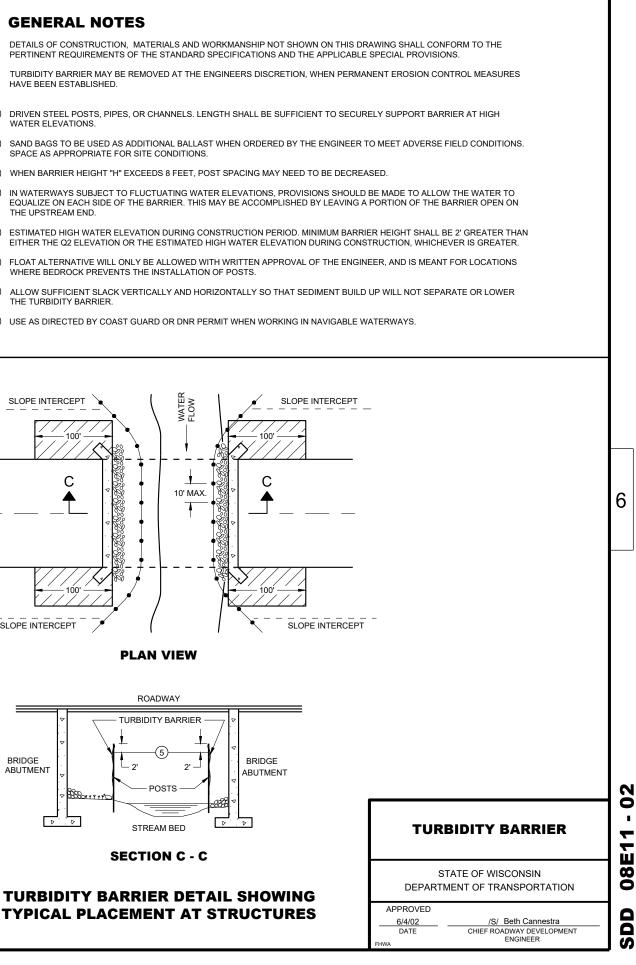


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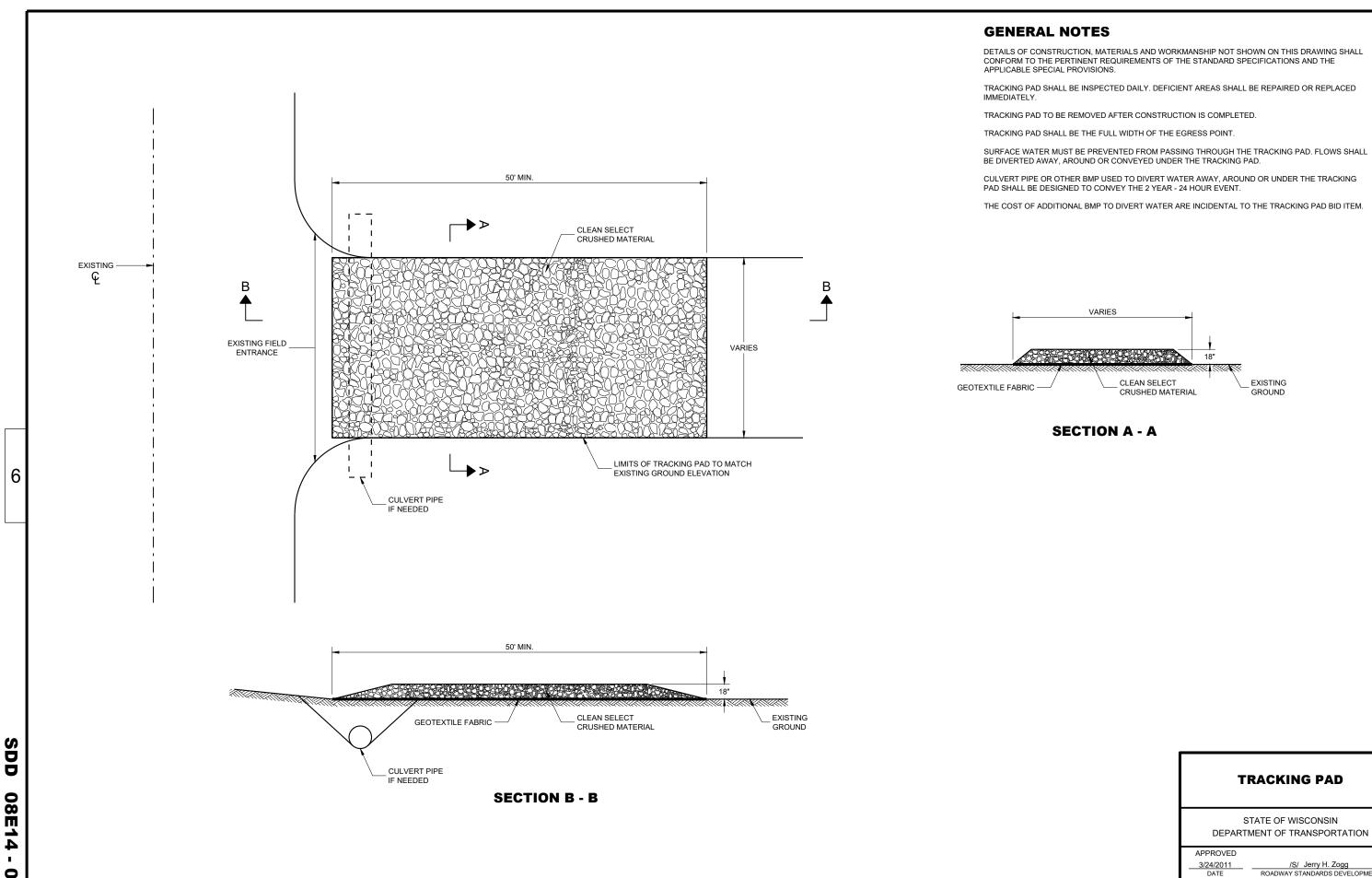


- WATER ELEVATIONS.





SDD 08E -02



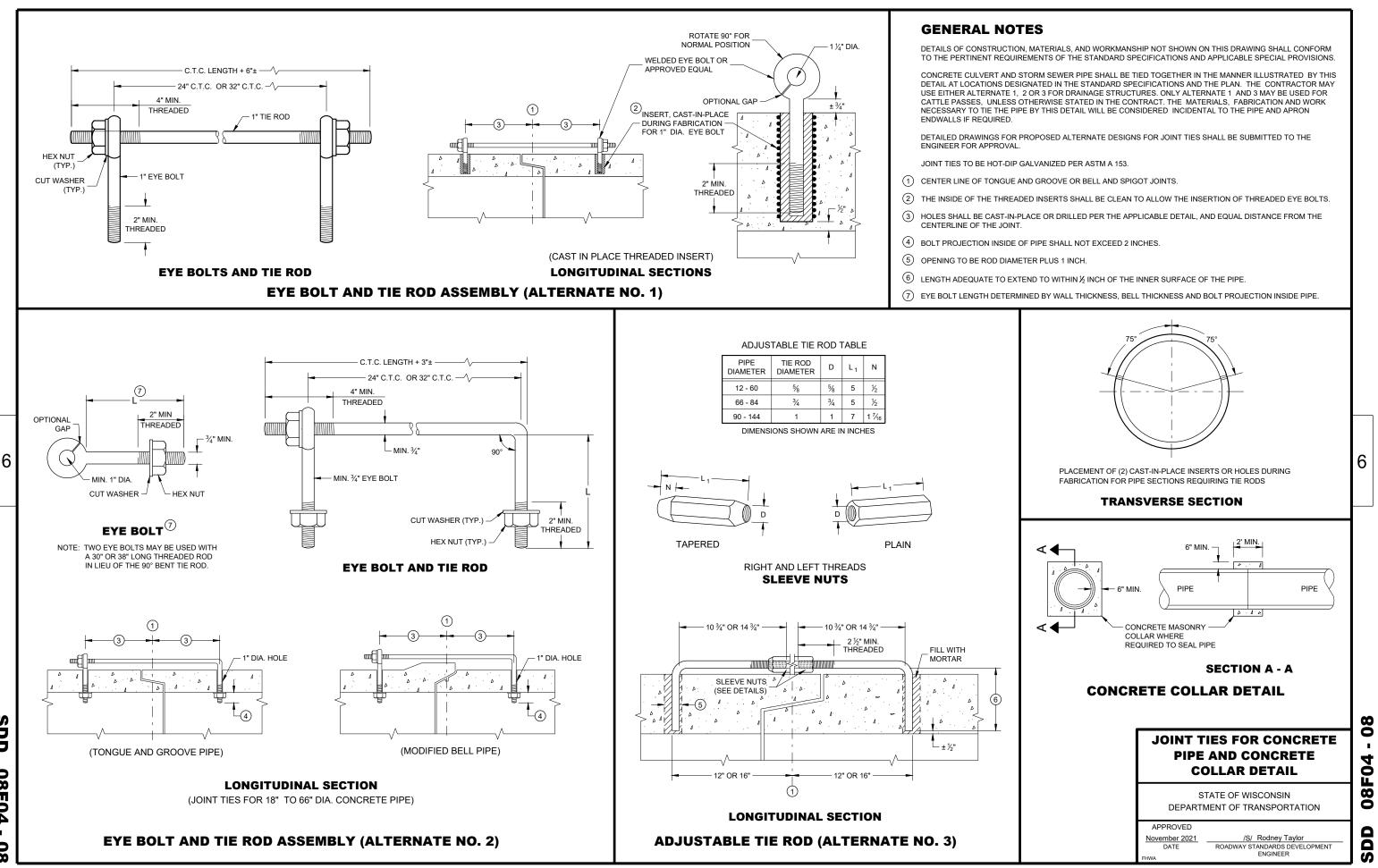
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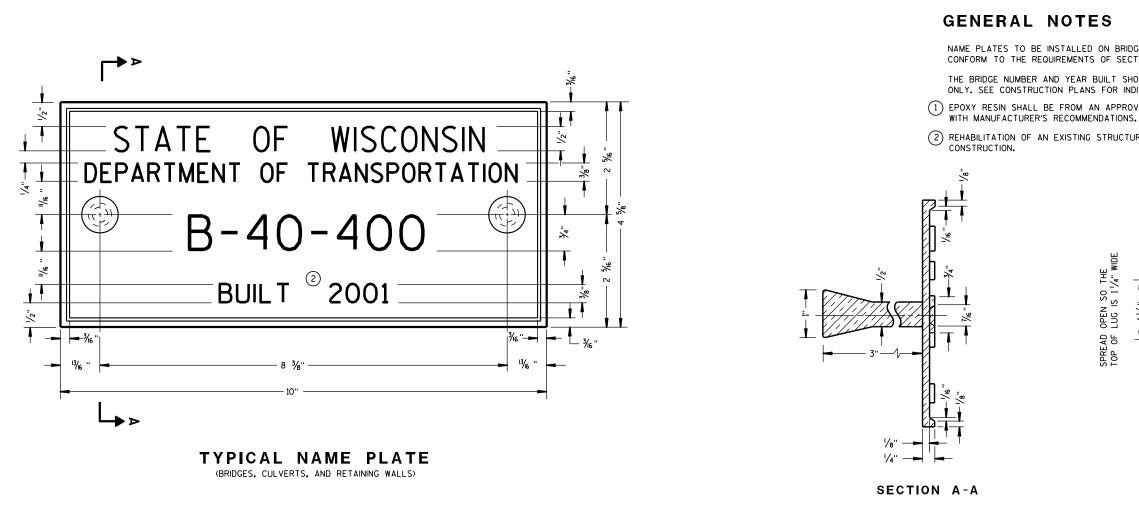
# **TRACKING PAD**

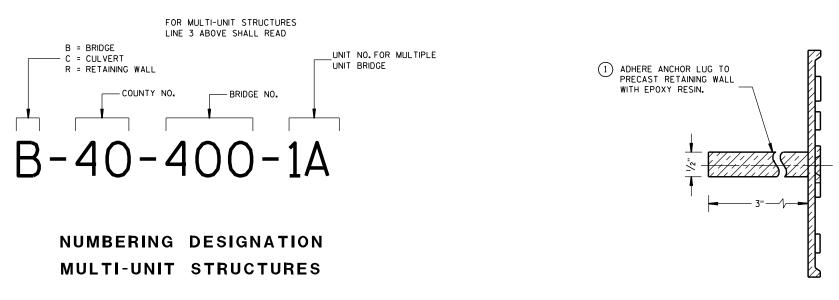
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER



SDD 08F04 





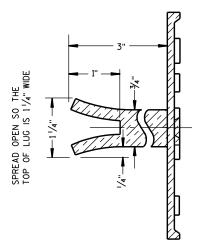
ALTERNATE LUG (FOR ATTACHMENT TO PRECAST STRUCTURES)

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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

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



# ALTERNATE LUG

# NAME PLATE (STRUCTURES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

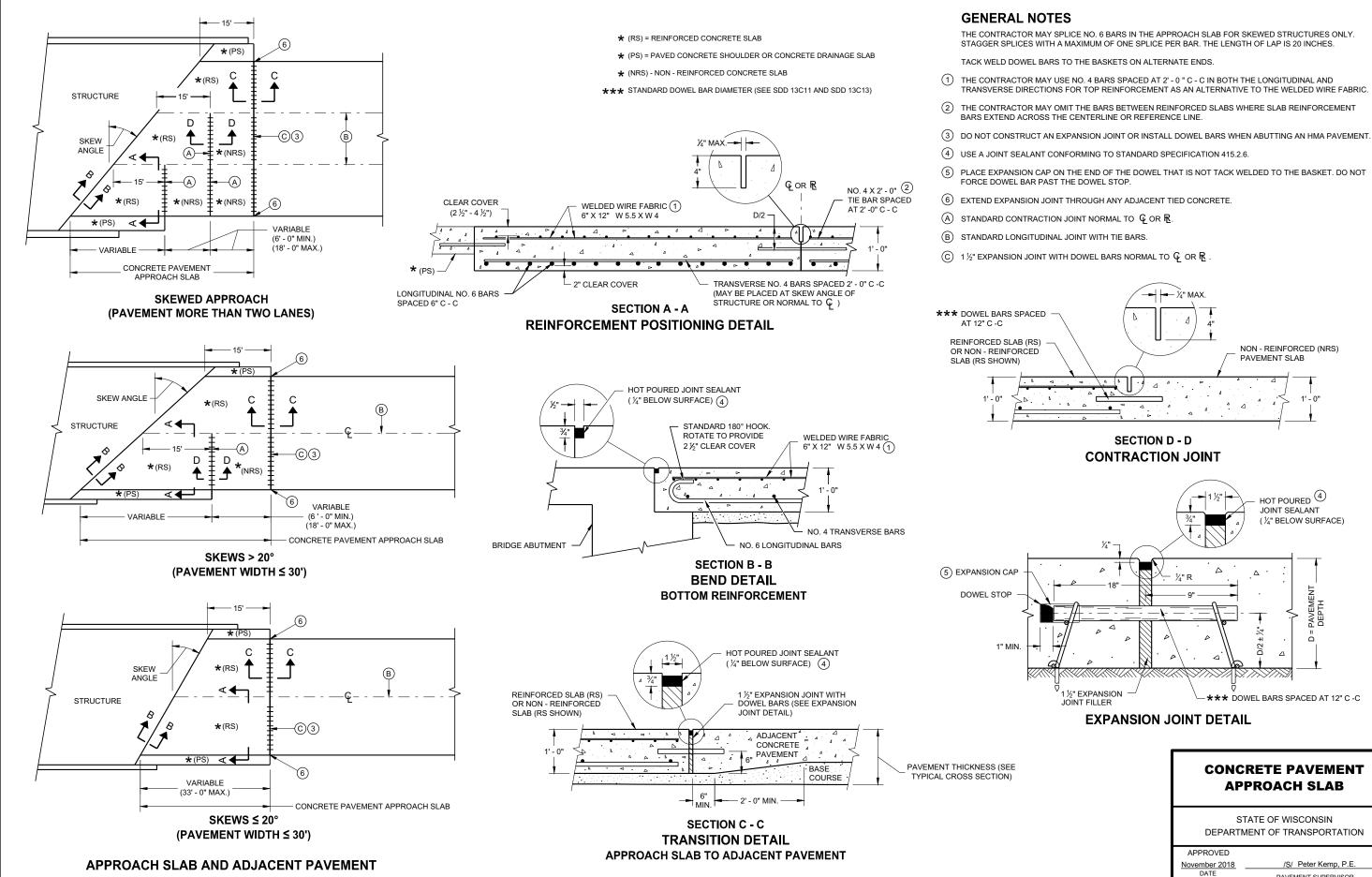
## APPROVED

3/26/10 DATE FHWA

/S/ Scot Becker CHIEF STRUCTURAL DEVELOPMENT ENGINEER 3-10 ∢ 2 Δ

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**SDD 13B02** 09

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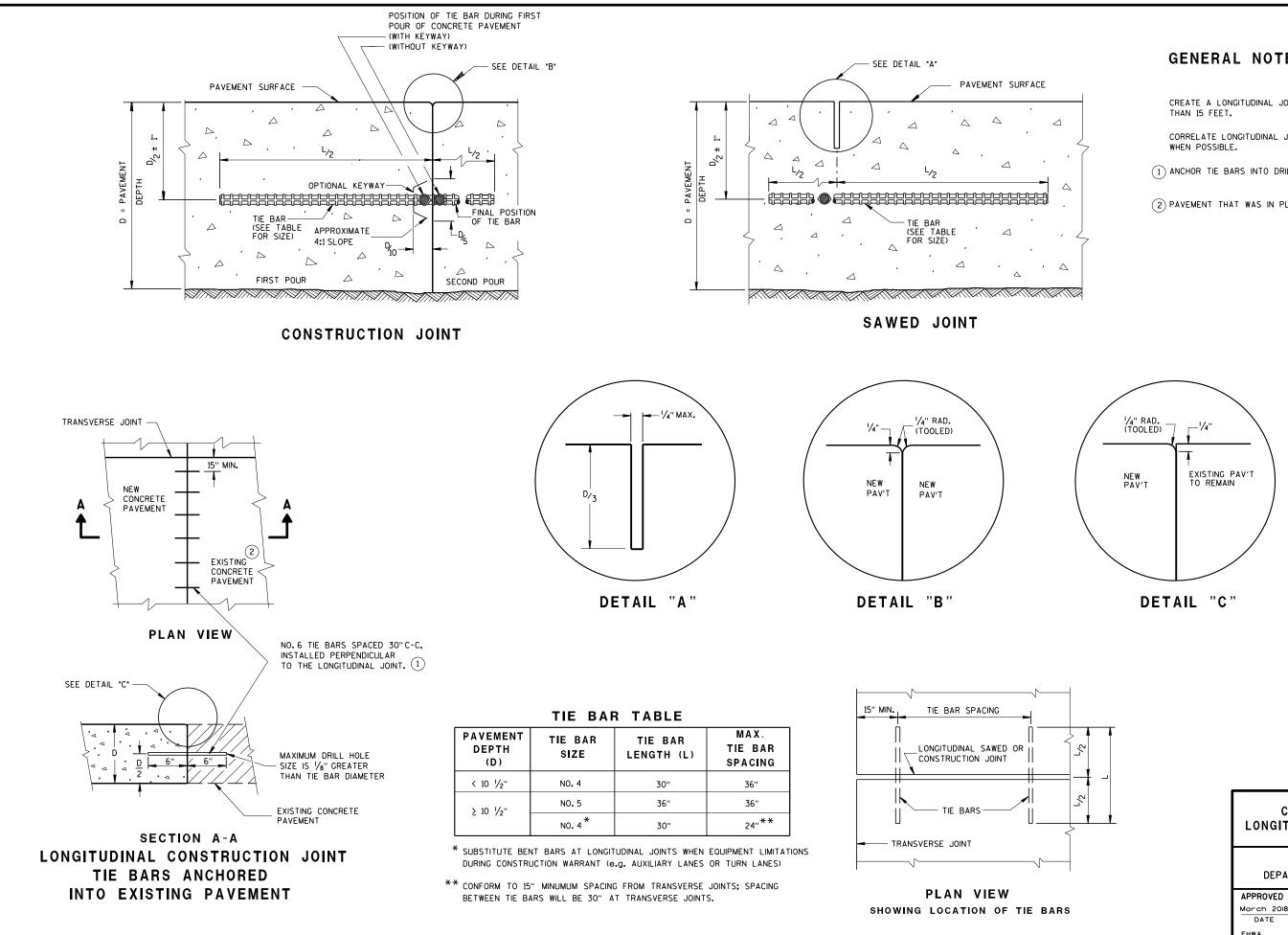
# **CONCRETE PAVEMENT** 0 2 3 DEPARTMENT OF TRANSPORTATION ~ Δ

PAVEMENT SUPERVISOR

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# **GENERAL NOTES**

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES

- (1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- (2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

# CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

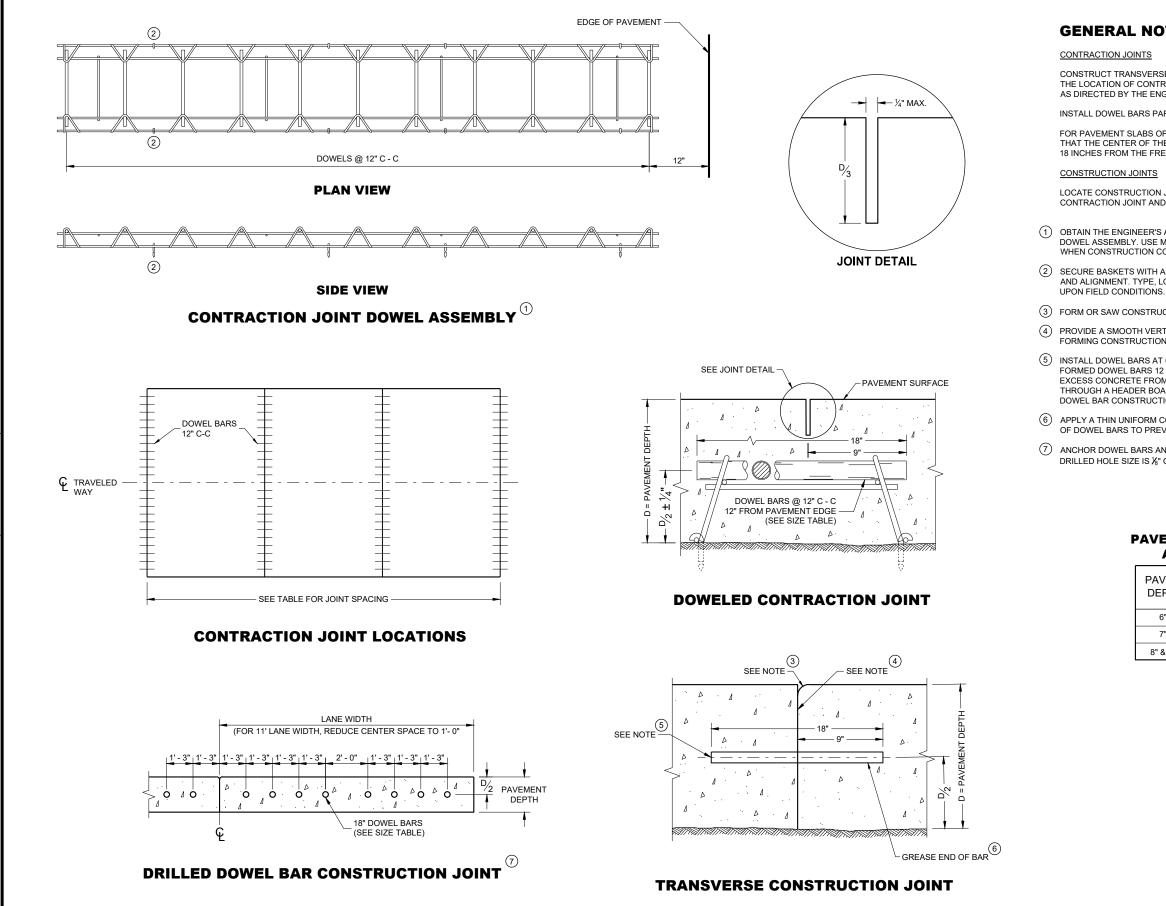
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DATE

/S/ Peter Kemp, P.E. PAVEMENT SUPERVISOR

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# **GENERAL NOTES**

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

2 SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT

(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

5 INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.

# **PAVEMENT DEPTH, DOWEL BAR SIZE** AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'

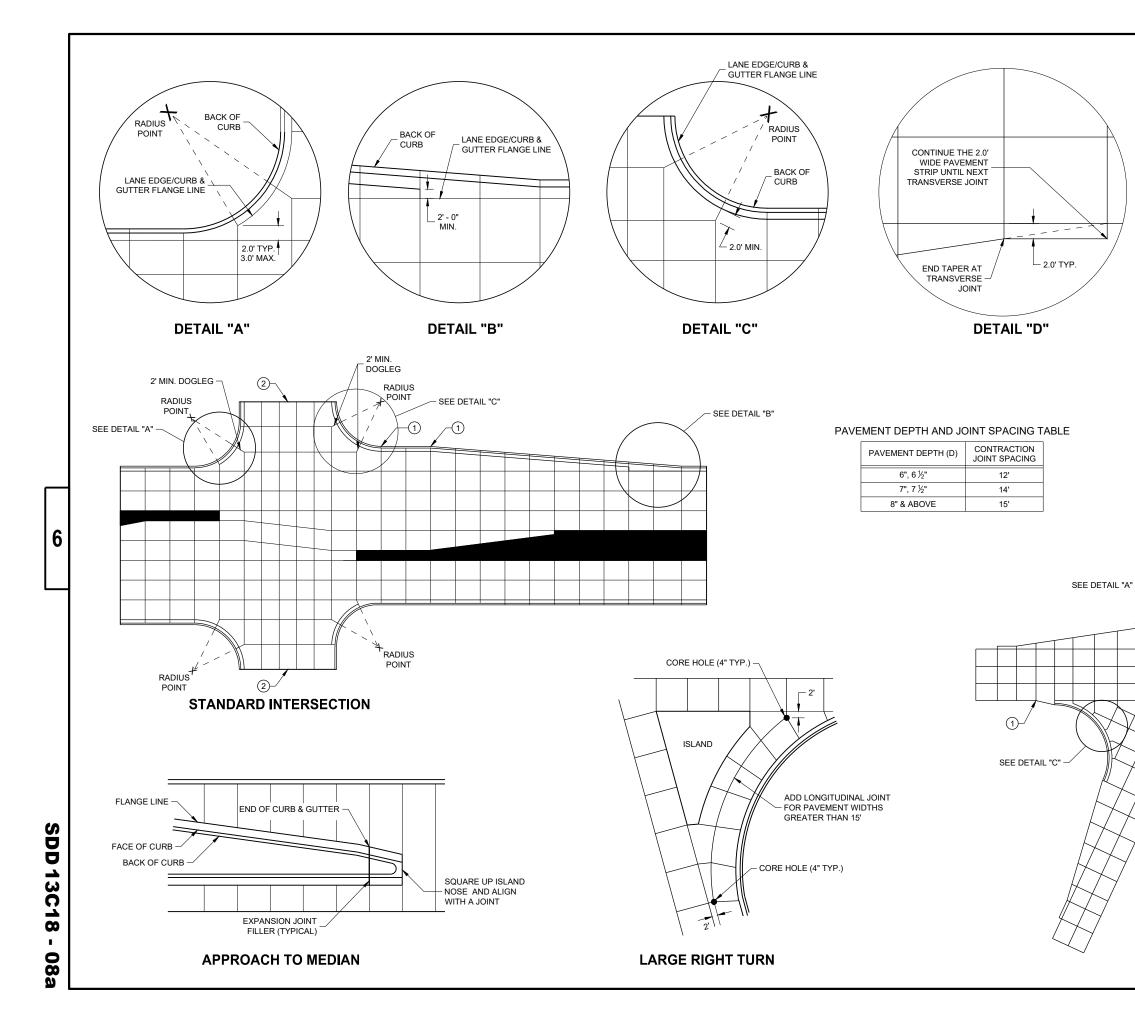
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# **URBAN DOWELED CONCRETE PAVEMENT**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2022 DATE

/S/ Peter Kemp P.E PAVEMENT SUPERVISOR



AVOID

AND AC

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1 PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

-(2

# **GENERAL NOTES**

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

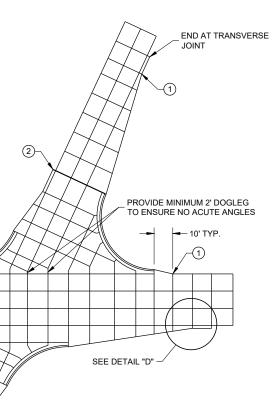
ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN  $60^\circ$  BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE  $90^\circ$  ANGLES WHEN POSSIBLE.

(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



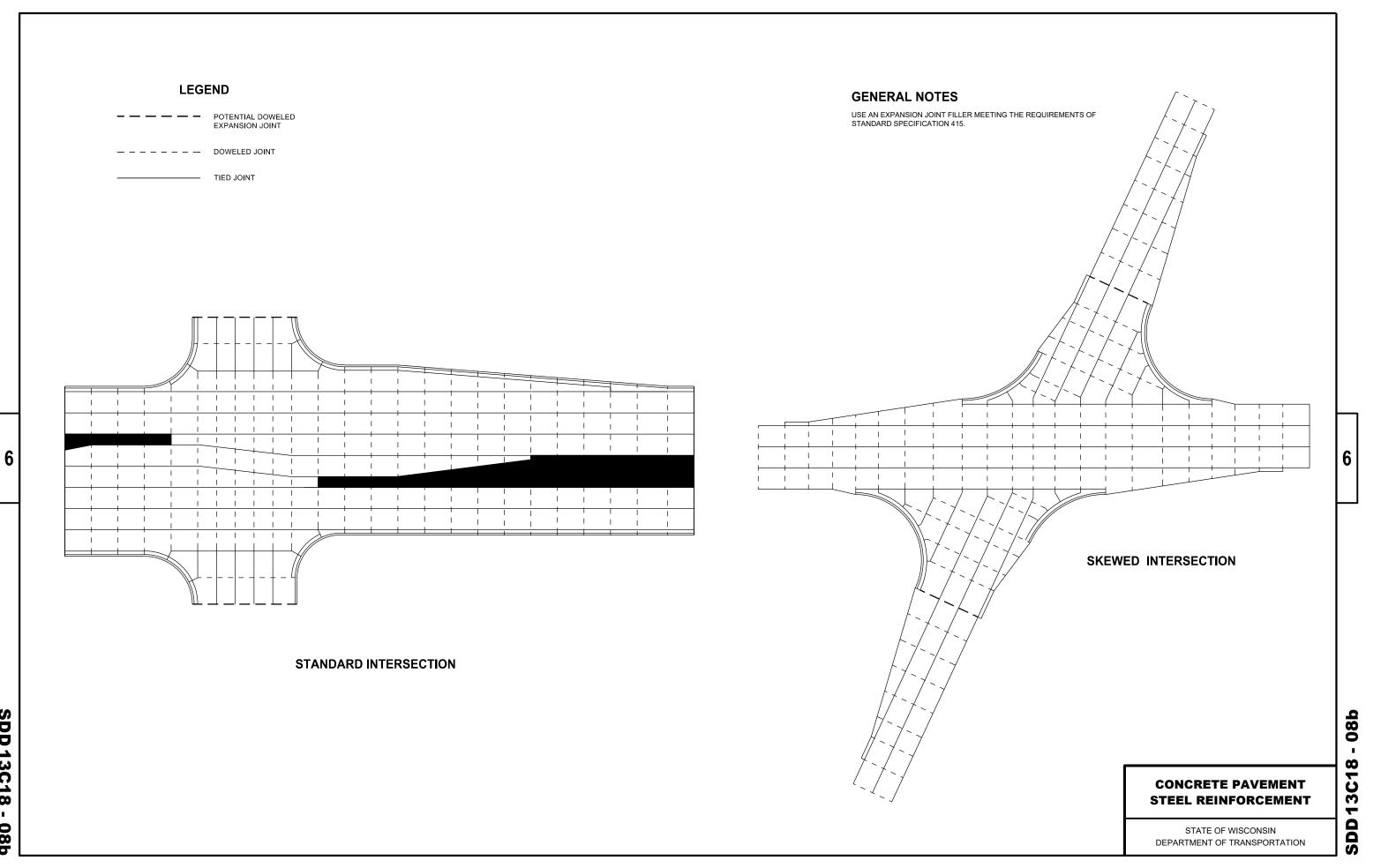


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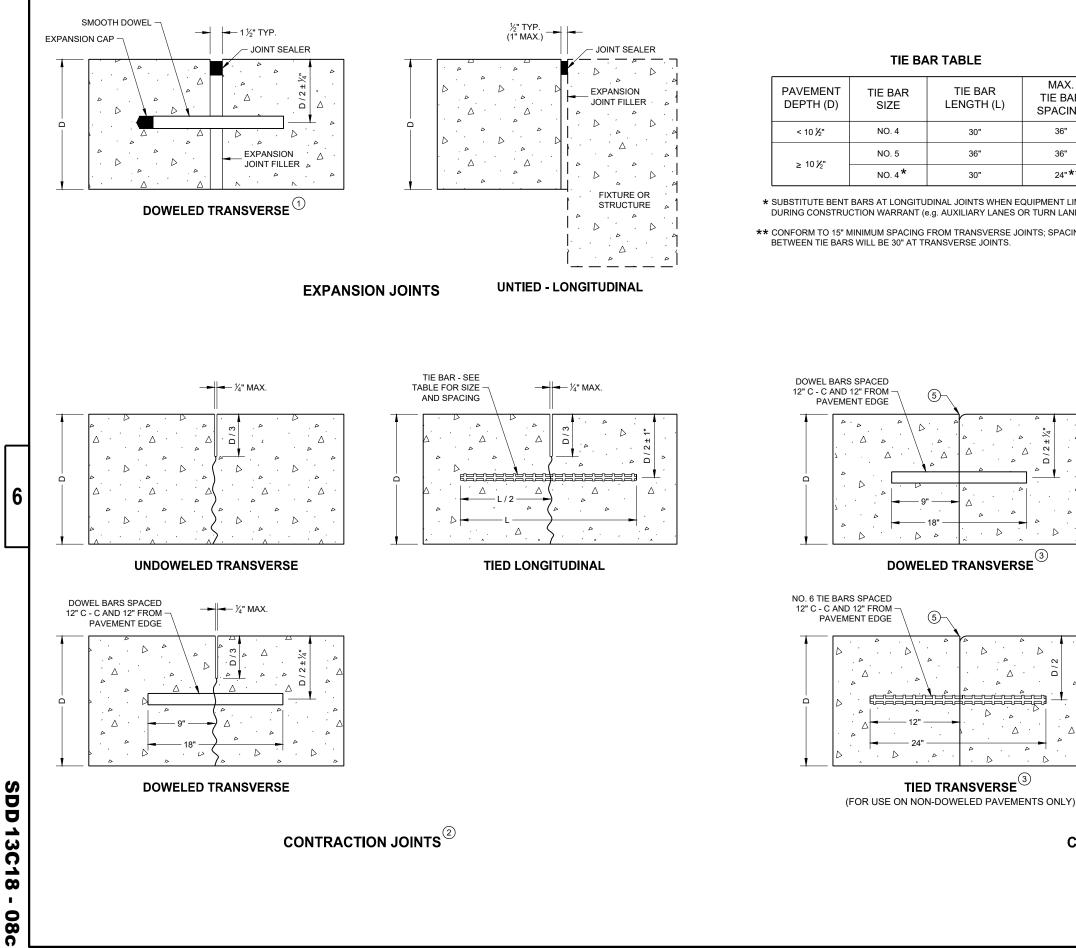
# CONCRETE PAVEMENT JOINTING

**SKEWED INTERSECTION** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



# **SDD 13C18 08b**



MAX.

TIE BAR

SPACING

36"

36"

24"\*\*

\* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

TIE BAR

LENGTH (L)

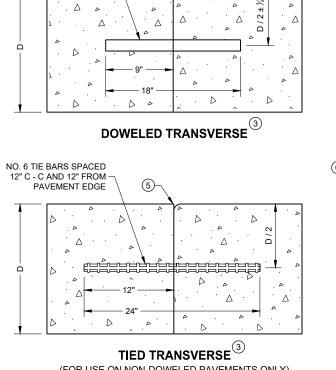
30"

36"

30"

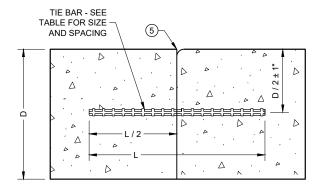
**\*\*** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

(5)-





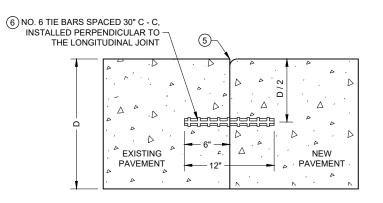
- (1) USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
- (2) SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
- ③ LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
- (4) CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
- (5) IF JOINT IS FORMED, PROVIDE A 1/4" RADIUS.
- (6) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



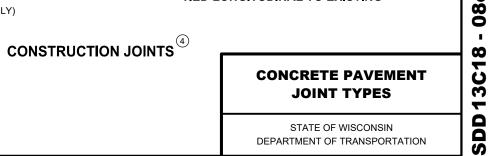
# TIED LONGITUDINAL

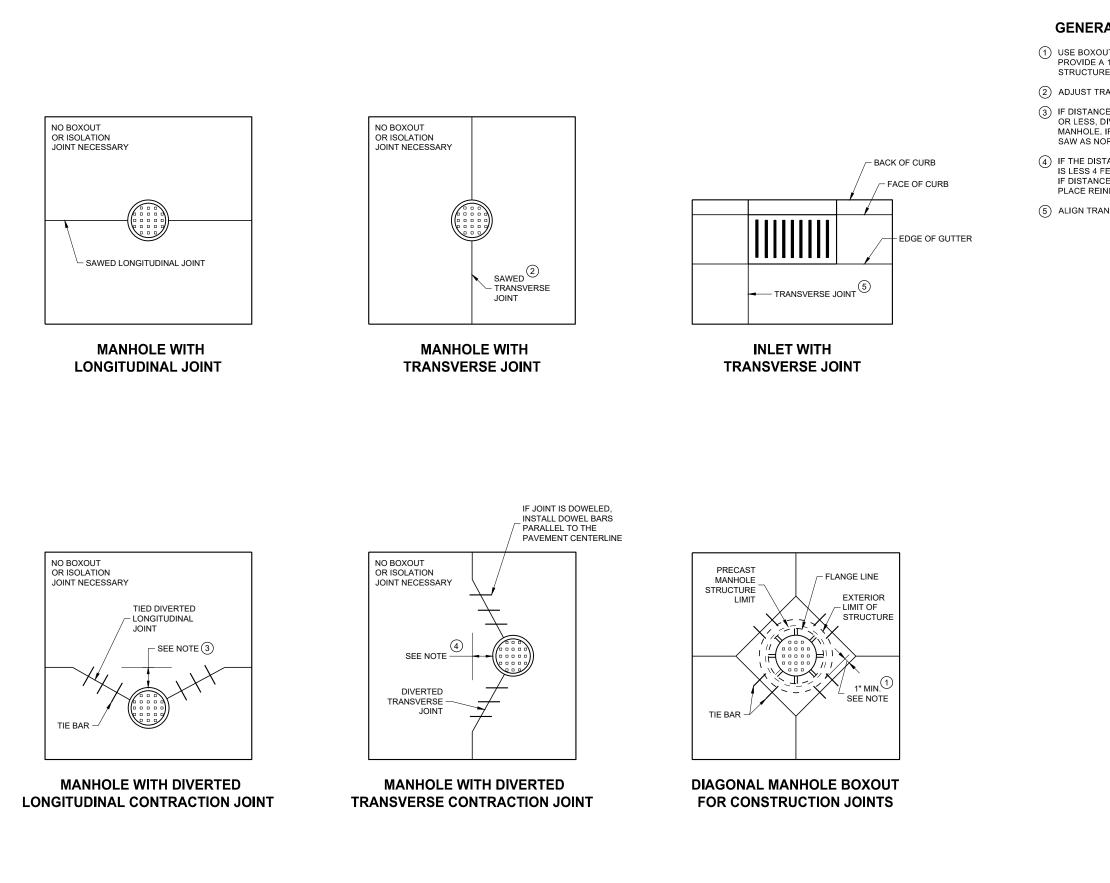
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# TIED LONGITUDINAL TO EXISTING





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# **GENERAL NOTES**

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.

(4) IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

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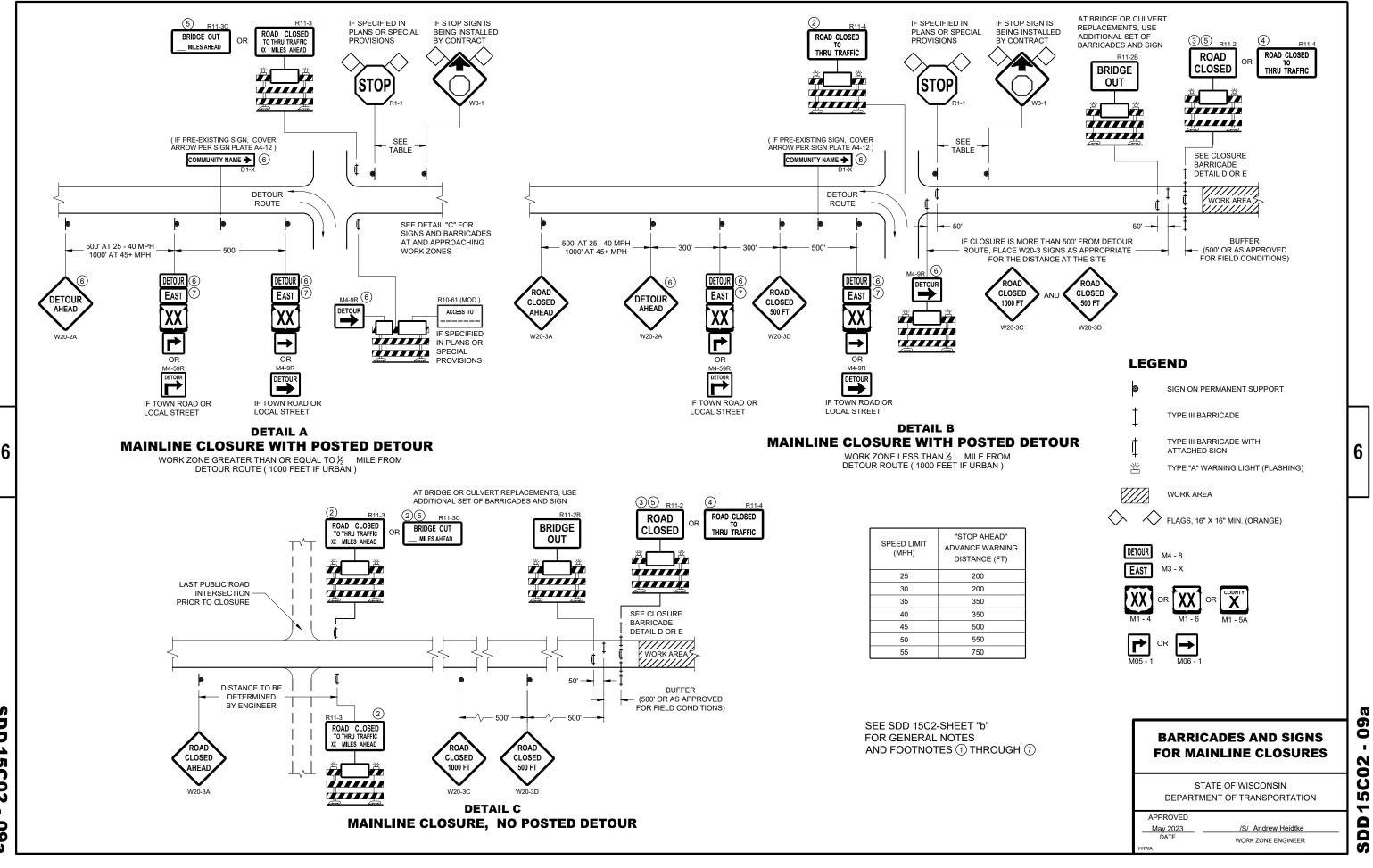
# CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

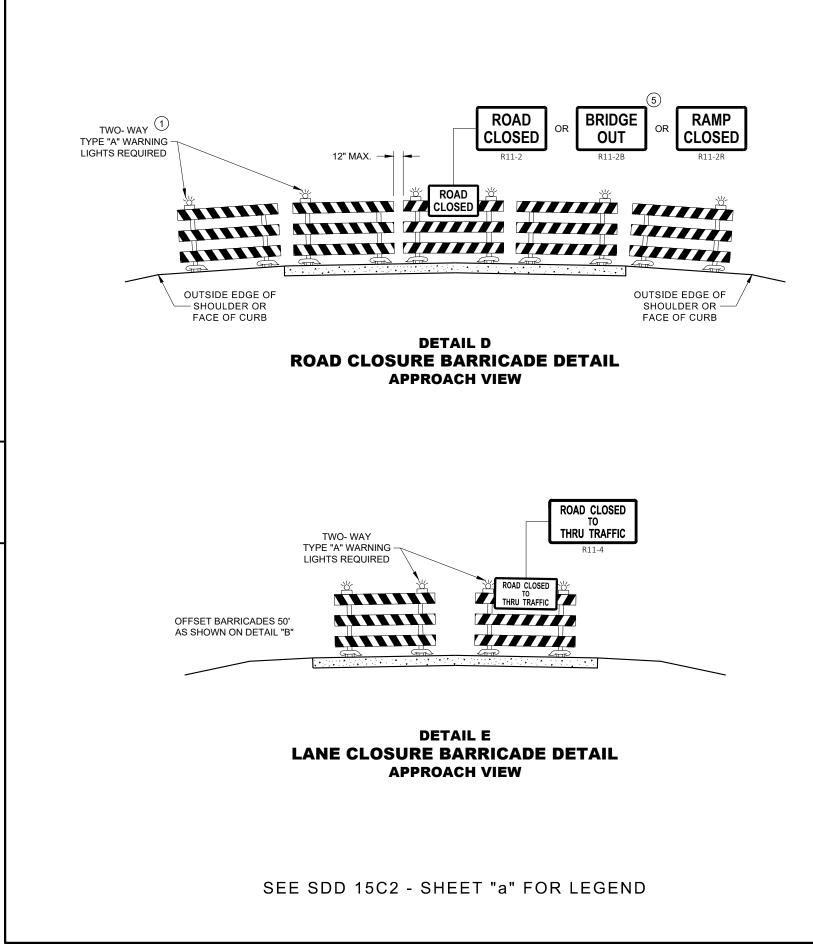
APPROVED May 2023 DATE

/S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

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# **GENERAL NOTES**

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

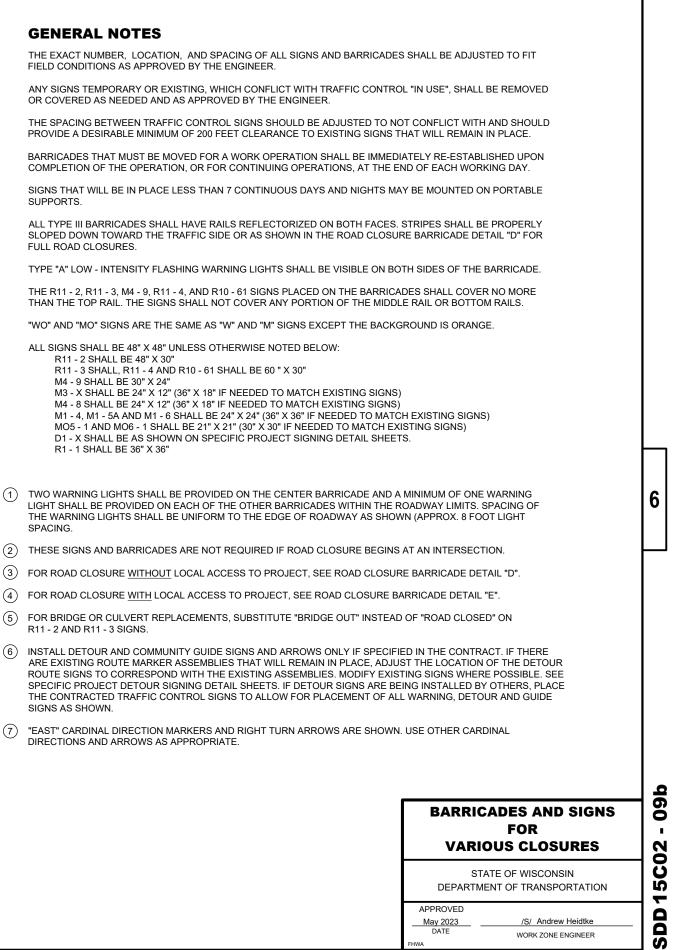
FULL ROAD CLOSURES.

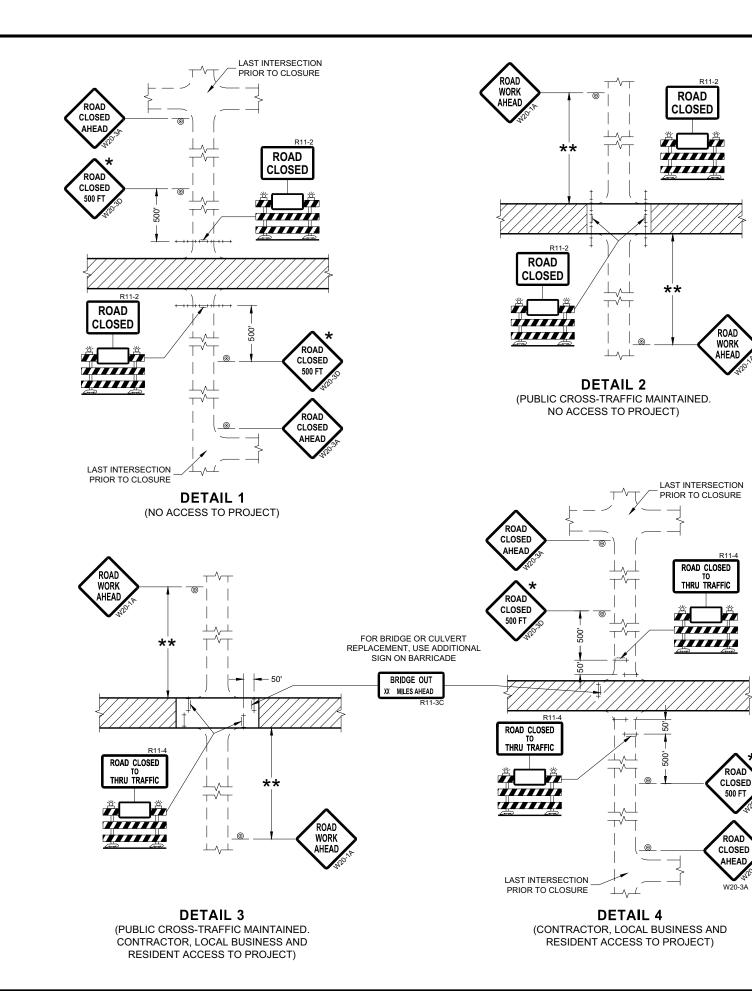
THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"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)

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





# **GENERAL NOTES**

AS APPROVED BY THE ENGINEER.

NEEDED AND AS APPROVED BY THE ENGINEER.

SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

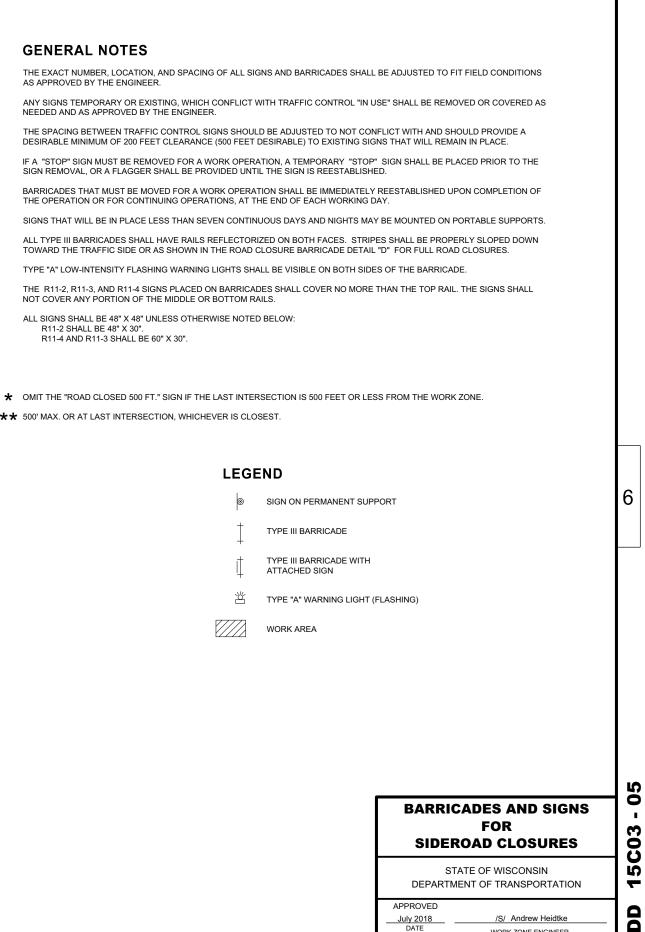
NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

★★ 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

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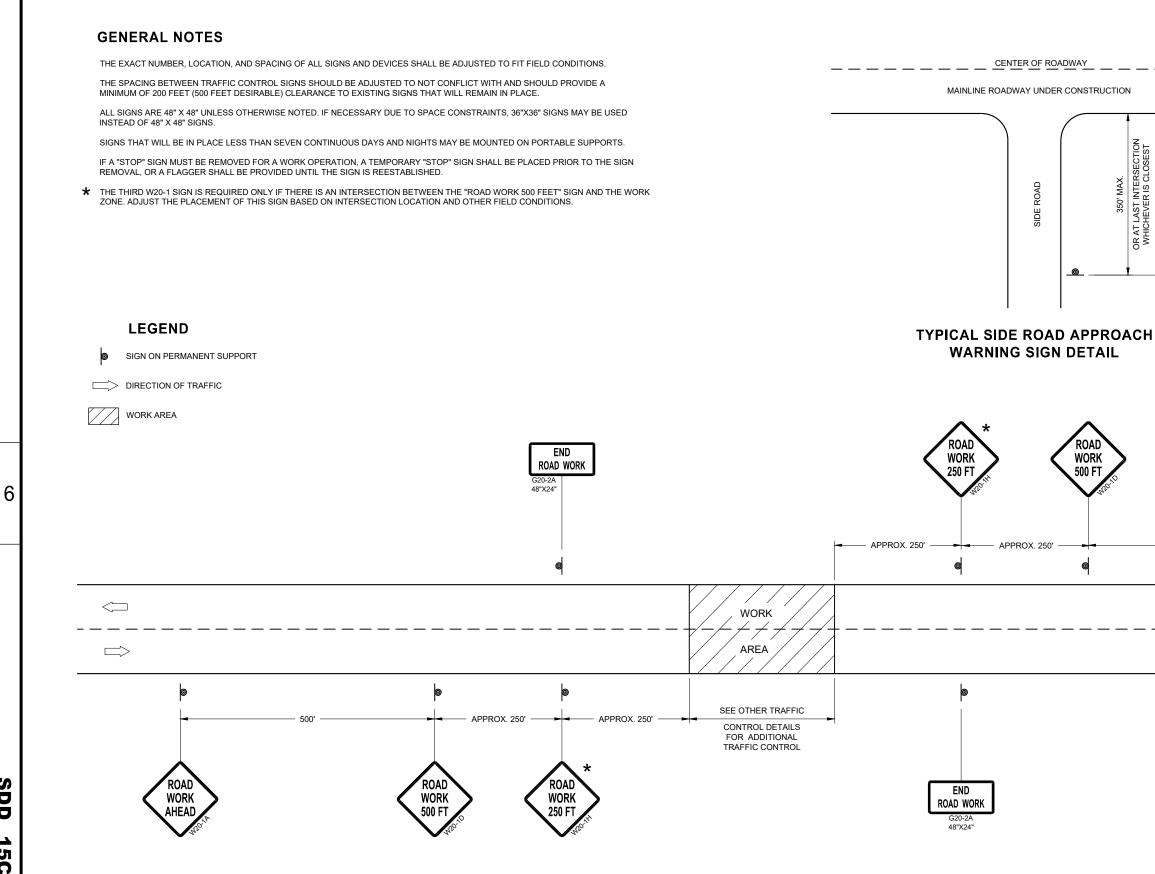




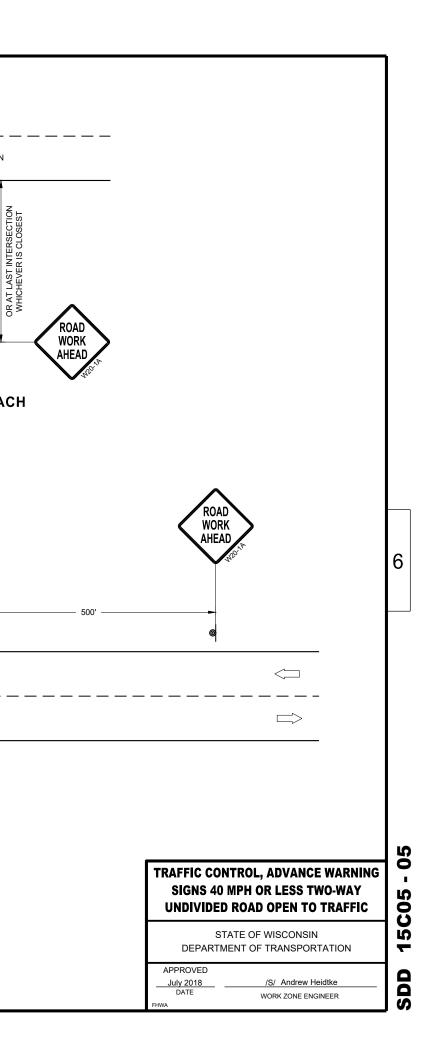
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WORK ZONE ENGINEER

July 2018 DATE

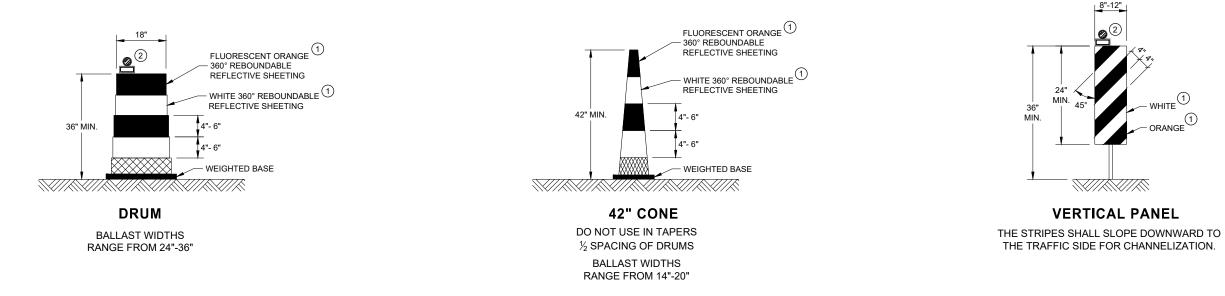


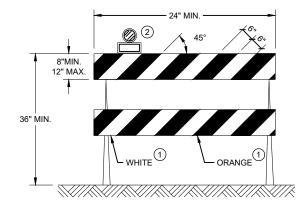
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS



# **GENERAL NOTES**

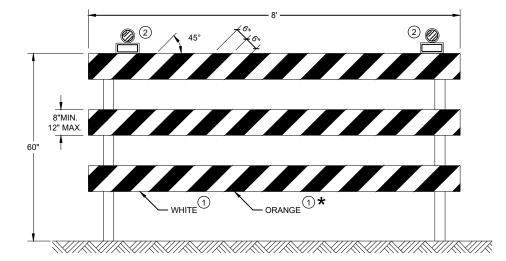
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





**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.

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

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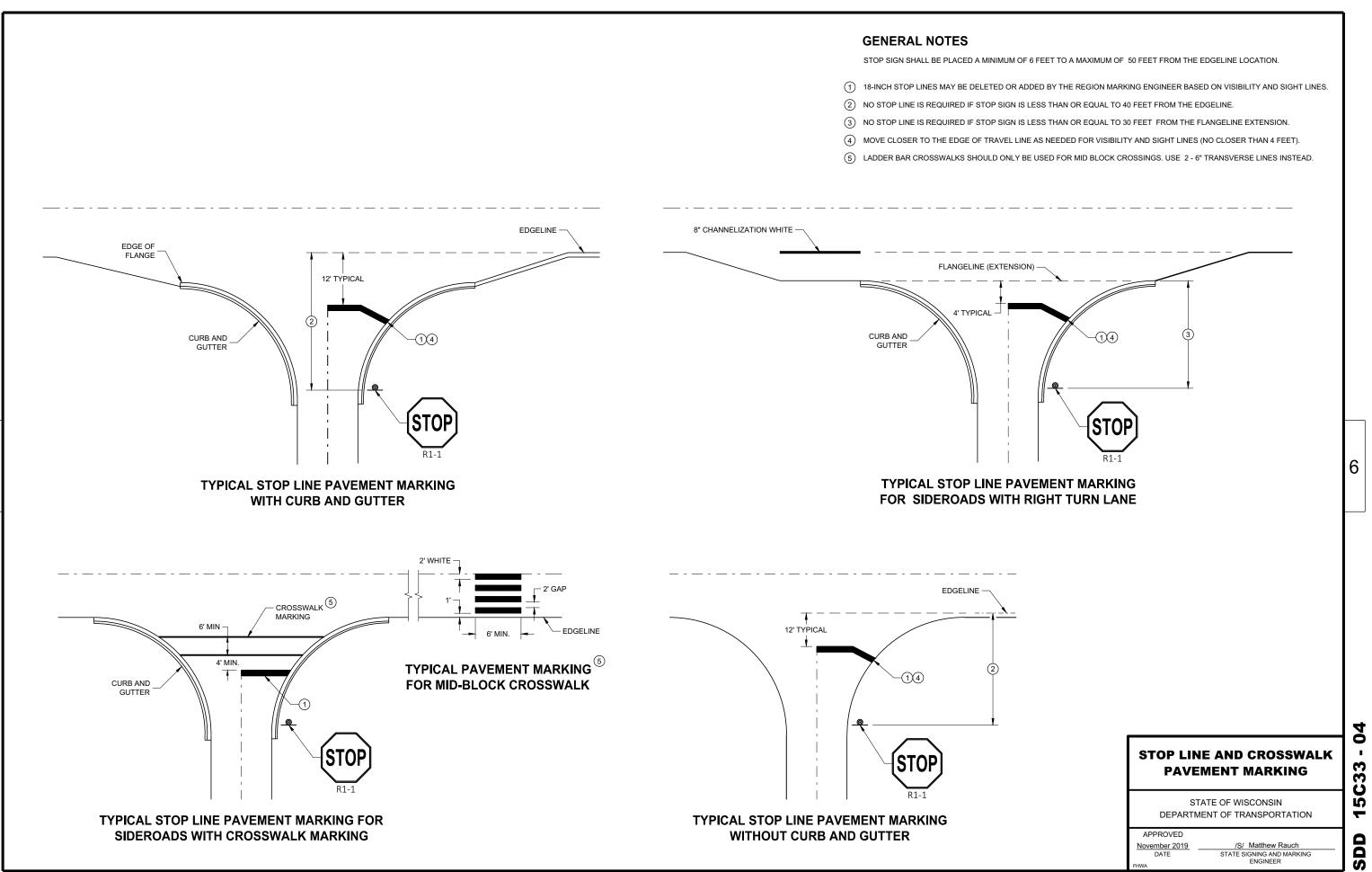
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# **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES** AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

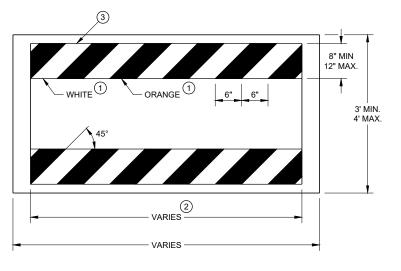
APPROVED November 2022 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

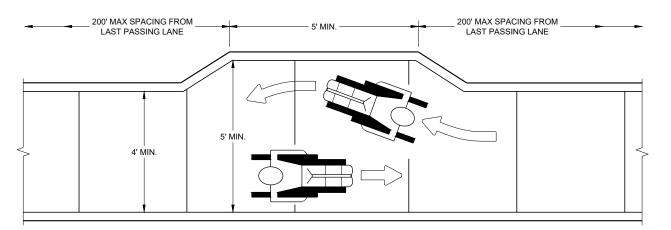


SDD 15C33 - 04

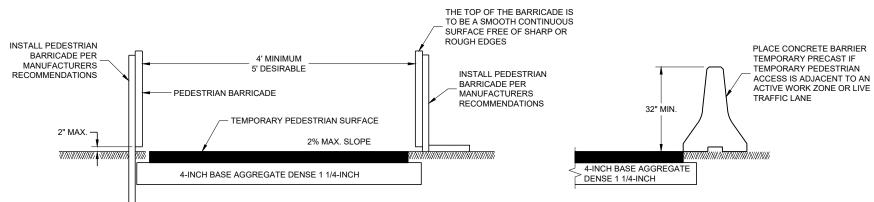








NARROW SIDEWALK PASSING DETAIL



**TEMPORARY PEDESTRIAN ACCESS** 



BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

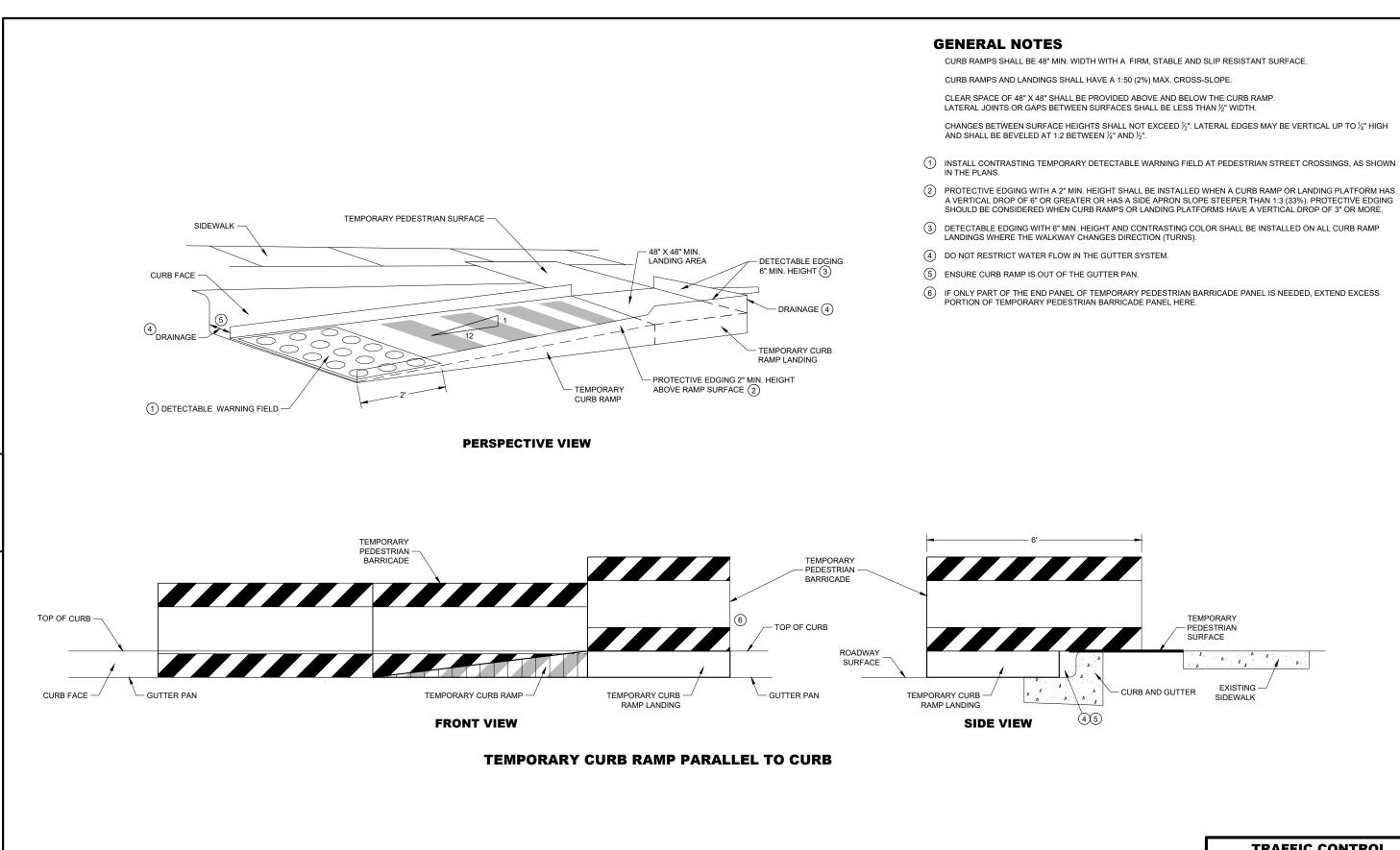
- 1 REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
- (3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.
- ★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

# TEMPORARY PEDESTRIAN BARRICADE\*

# **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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# **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

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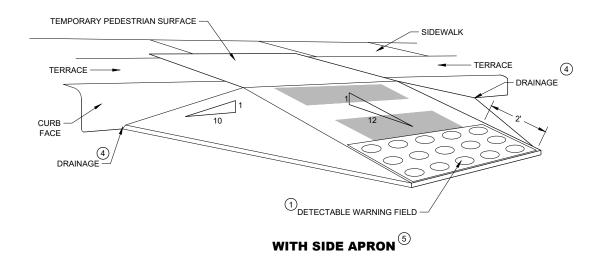
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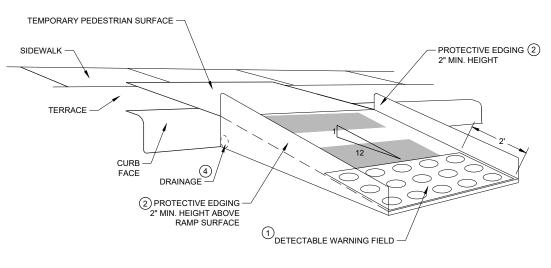
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

### **GENERAL NOTES**

- CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

- AND SHALL BE BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
- THE PLANS
- LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.





WITH PROTECTIVE EDGE

### **TEMPORARY CURB RAMP PERPENDICULAR TO CURB**

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN  $\ensuremath{\frac{1}{2}}$  " width.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED  $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO  $\frac{1}{4}$ " HIGH

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

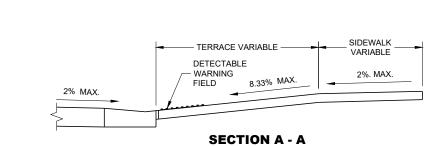
(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP

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## **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





TERRACE VARIABLE

\_\_\_\_ 10% MAX.

└── 10% MAX.

А

4' - 0" MIN.

5' - 0" DES.

TEMPORARY SIDEWALK

4' MIN.

**PLAN VIEW TEMPORARY TYPE 3 RAMP** (OUTSIDE OF CROSSWALK AREA)

DETECTABLE

WARNING FIELD

Α

PROVIDE 48" X 48" MIN. LANDING - AT TOP OF RAMP WITH NO MORE THAN 2% SLOPE IN ANY DIRECTION.

IEMPORARY SIDEWALK

TERRACE VARIABLE

## **GENERAL NOTES**

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

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## **TRAFFIC CONTROL**, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

## **GENERAL NOTES**

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

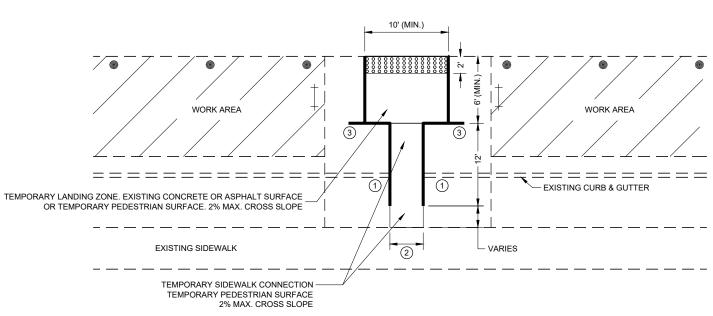
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED  $\frac{1}{2}$ ". LATERAL EDGES MAY BE VERTICAL UP TO  $\frac{1}{4}$ " HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

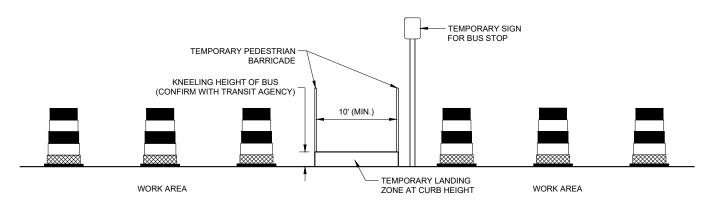
CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

1 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

- (3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.







**PROFILE VIEW** 





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(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

## LEGEND



TRAFFIC CONTROL DRUM TYPE III BARRICADE



TEMPORARY PEDESTRIAN BARRICADE

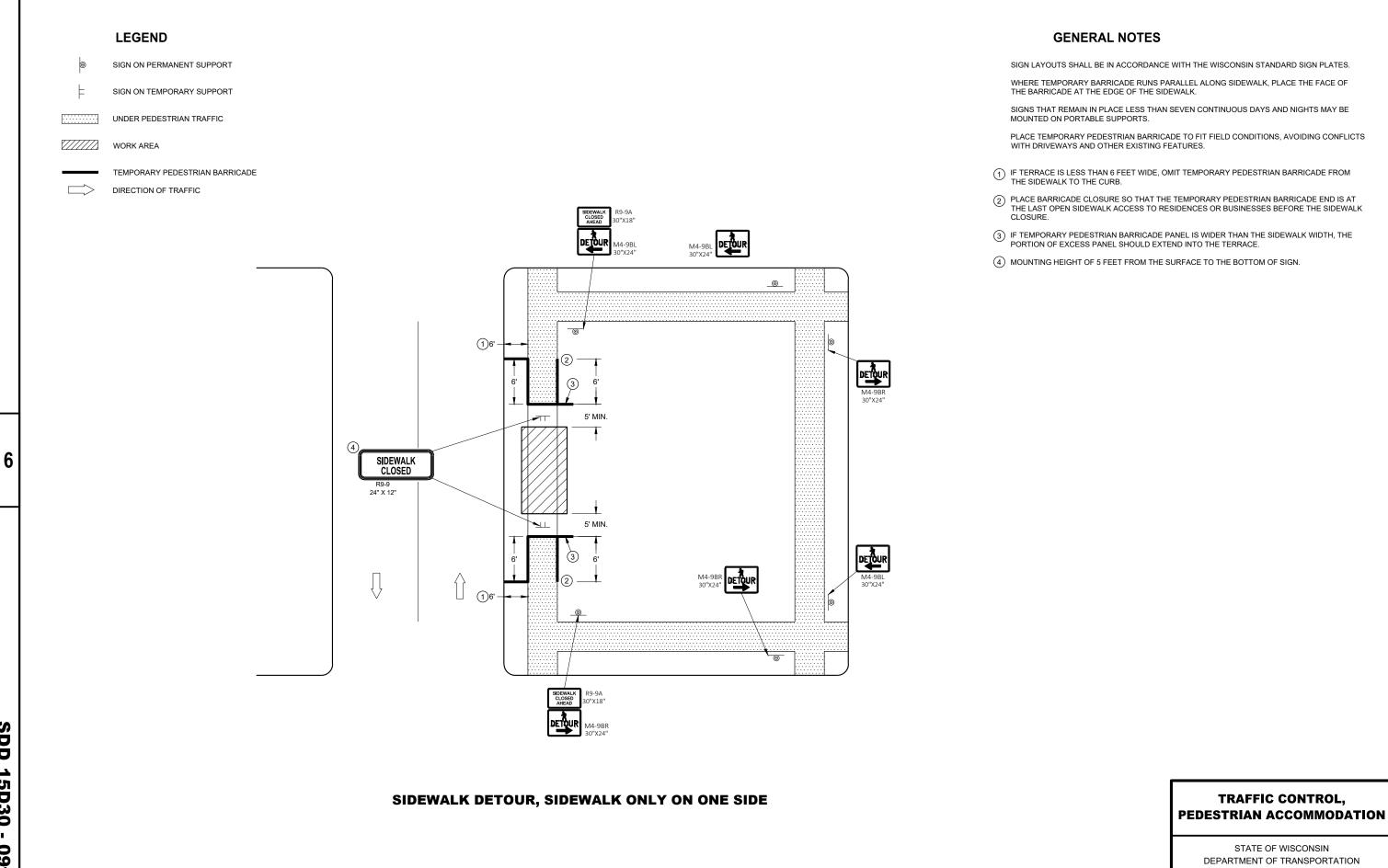
TEMPORARY DETECTABLE WARNING FIELD

WORK AREA 

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### **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



	LEGEND		GEN
þ	SIGN ON TEMPORARY SUPPORT		TYPICAL TEMPOR
	WORK AREA		SIGN LAYOUTS SH
			WHERE TEMPORA THE BARRICADE A
••••••	UNDER PEDESTRIAN TRAFFIC		SIGNS THAT REM. MOUNTED ON PO
	TEMPORARY PEDESTRIAN SURFACE		MOUNTED ON PO
	TEMPORARY PEDESTRIAN BARRICADE		(1) USE TEMPORARY OR FOR ADDITION
	OPTIONAL TEMPORARY PEDESTRIAN BARRICADE		(2) IF TEMPORARY PE PORTION OF EXC
$\square$	DIRECTION OF TRAFFIC		PORTION OF EXC     (3) MOUNTING HEIGH
			$\bigcirc$
		3 MH-60R 3 T C C C C C C C C C C C C C	

SIDEWALK DIVERSION SINGLE SIDE

## SENERAL NOTES

IPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

S SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

PORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF ADE AT THE EDGE OF THE SIDEWALK.

REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE I PORTABLE SUPPORTS.

ARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS TIONAL PEDESTRIAN CHANNELIZATION.

RY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

EIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

## TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



LEGEND

WORK AREA

TRAFFIC CONTROL DRUM

TEMPORARY CURB RAMP

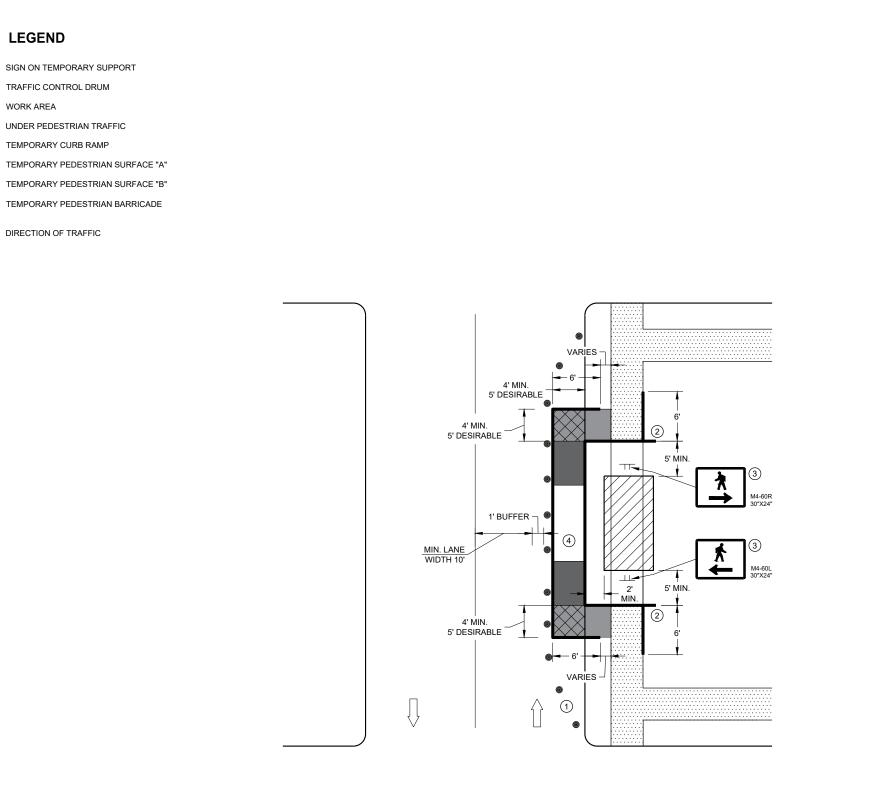
DIRECTION OF TRAFFIC

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## SIDEWALK DIVERSION, SINGLE SIDE



TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

## **GENERAL NOTES**

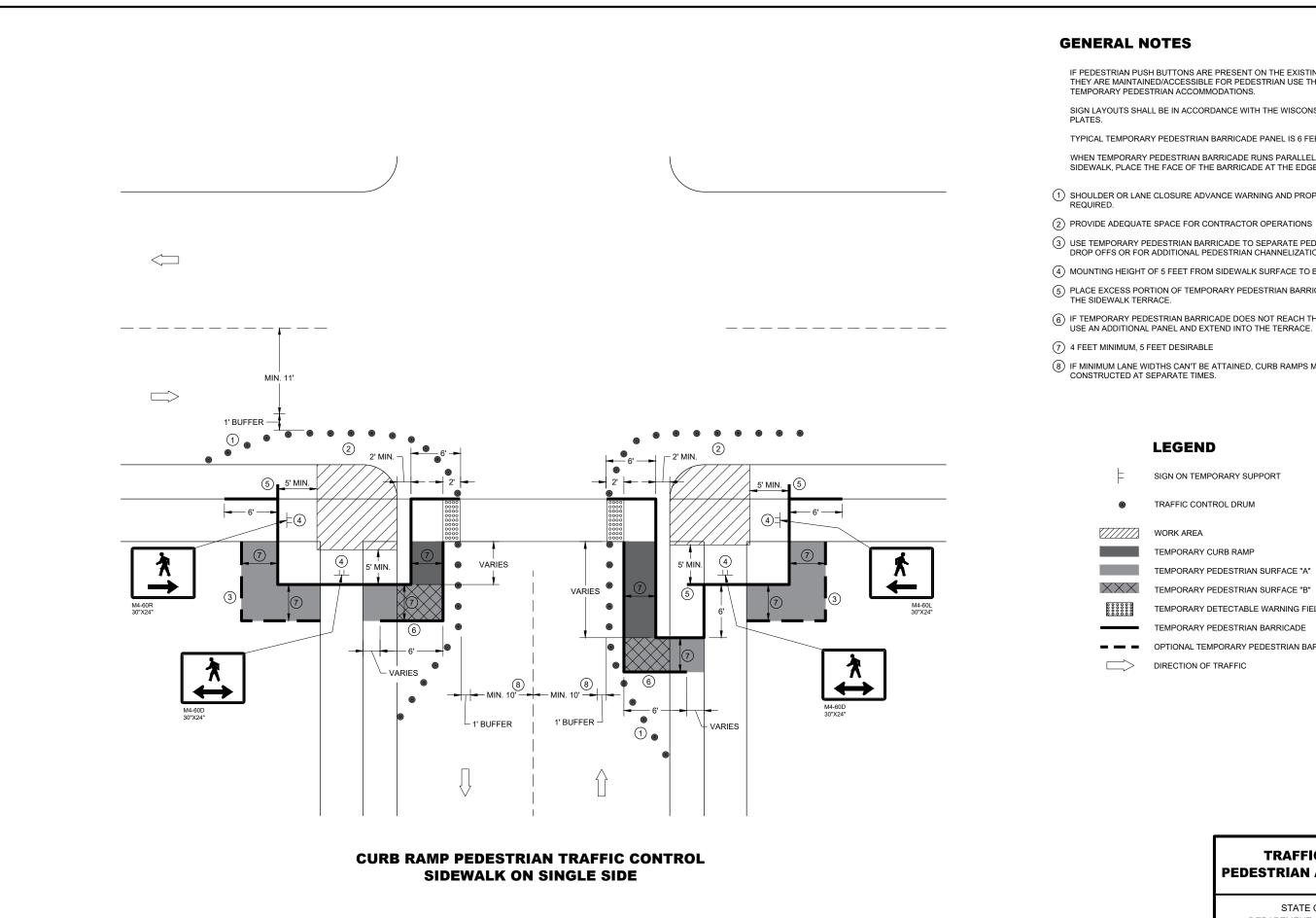
1 Shoulder or lane closure advance warning and buffer space required.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

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## **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

5 PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN

(6) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

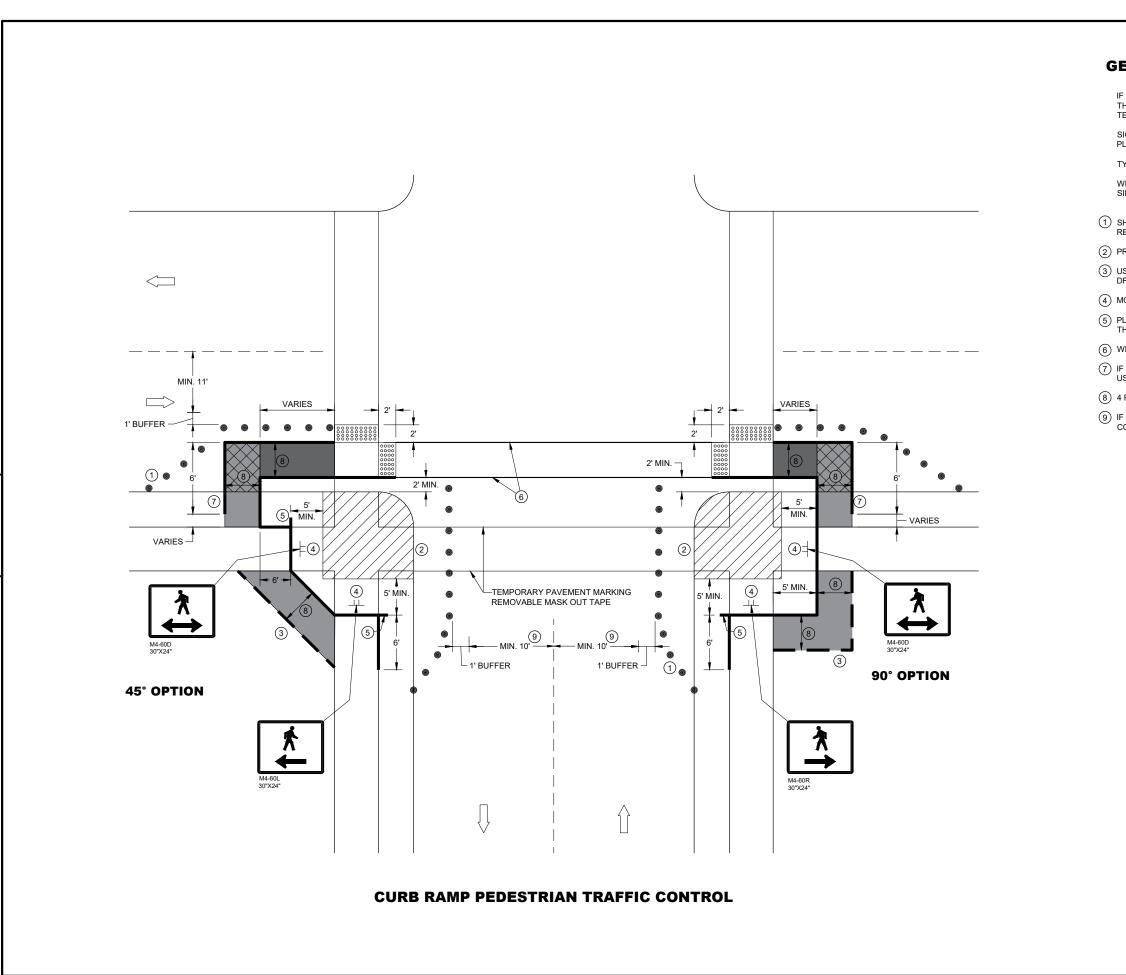
8 IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

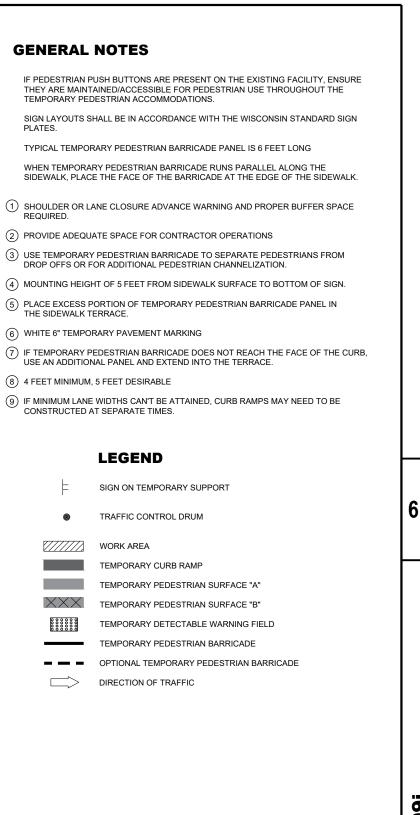
	WORKAREA
	TEMPORARY CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE "A"
$\langle X X \rangle$	TEMPORARY PEDESTRIAN SURFACE "B"
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
	DIRECTION OF TRAFFIC

6

## **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

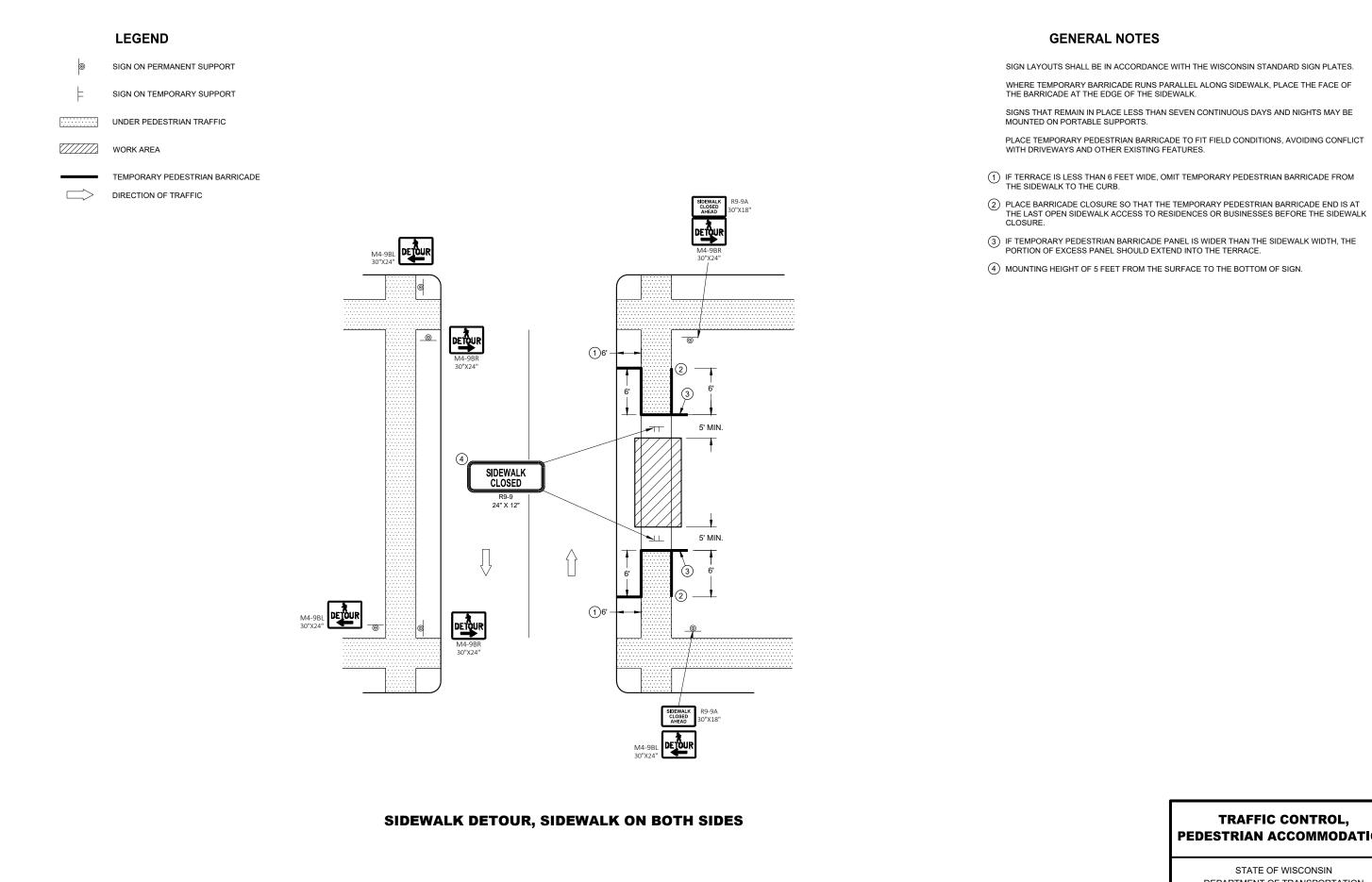
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





## TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

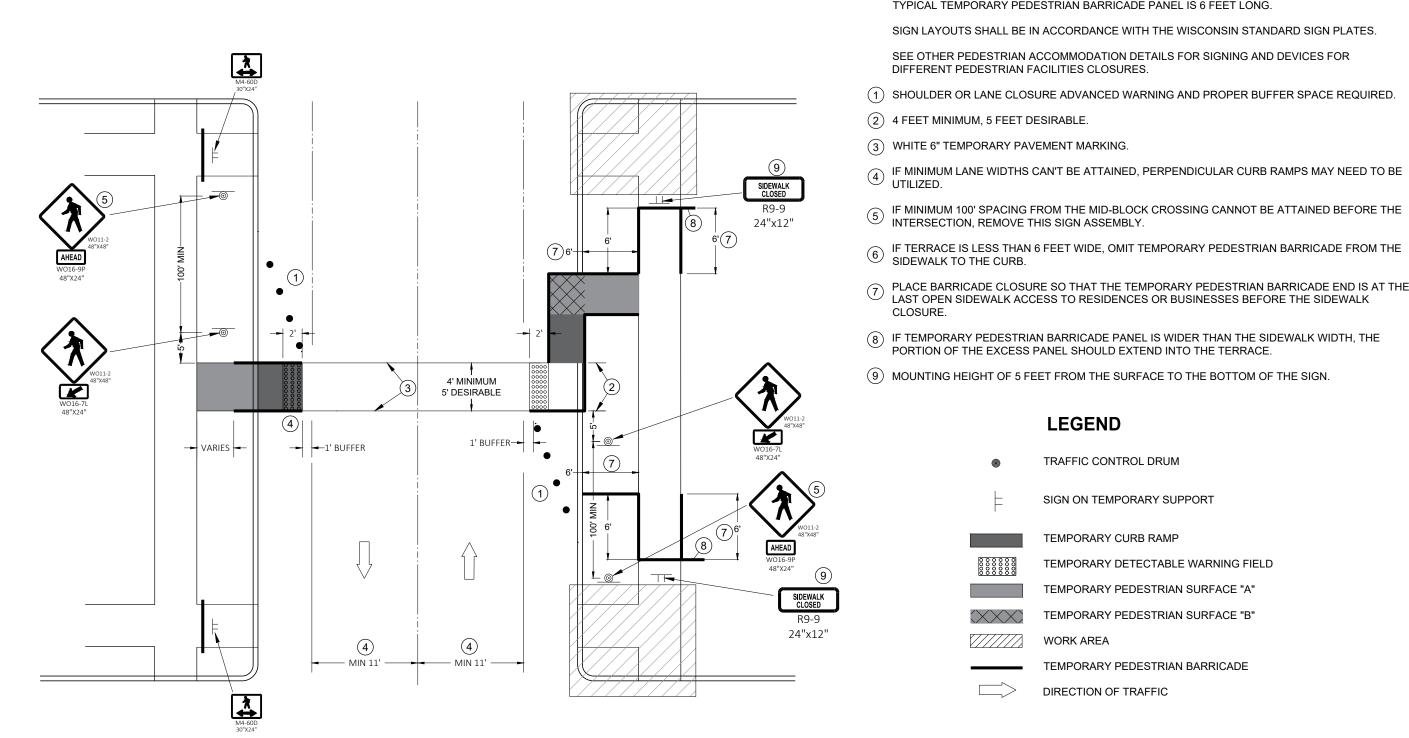
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



## **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

## **GENERAL NOTES**



## **TEMPORARY PEDESTRIAN CROSSING**

6

- TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.
- SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.
- SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR
- (1) SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
- $_{\mbox{(5)}}$  IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
  - IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE
- 1 place barricade closure so that the temporary pedestrian barricade end is at the last open sidewalk access to residences or businesses before the sidewalk
- $\ensuremath{(8)}$  IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE

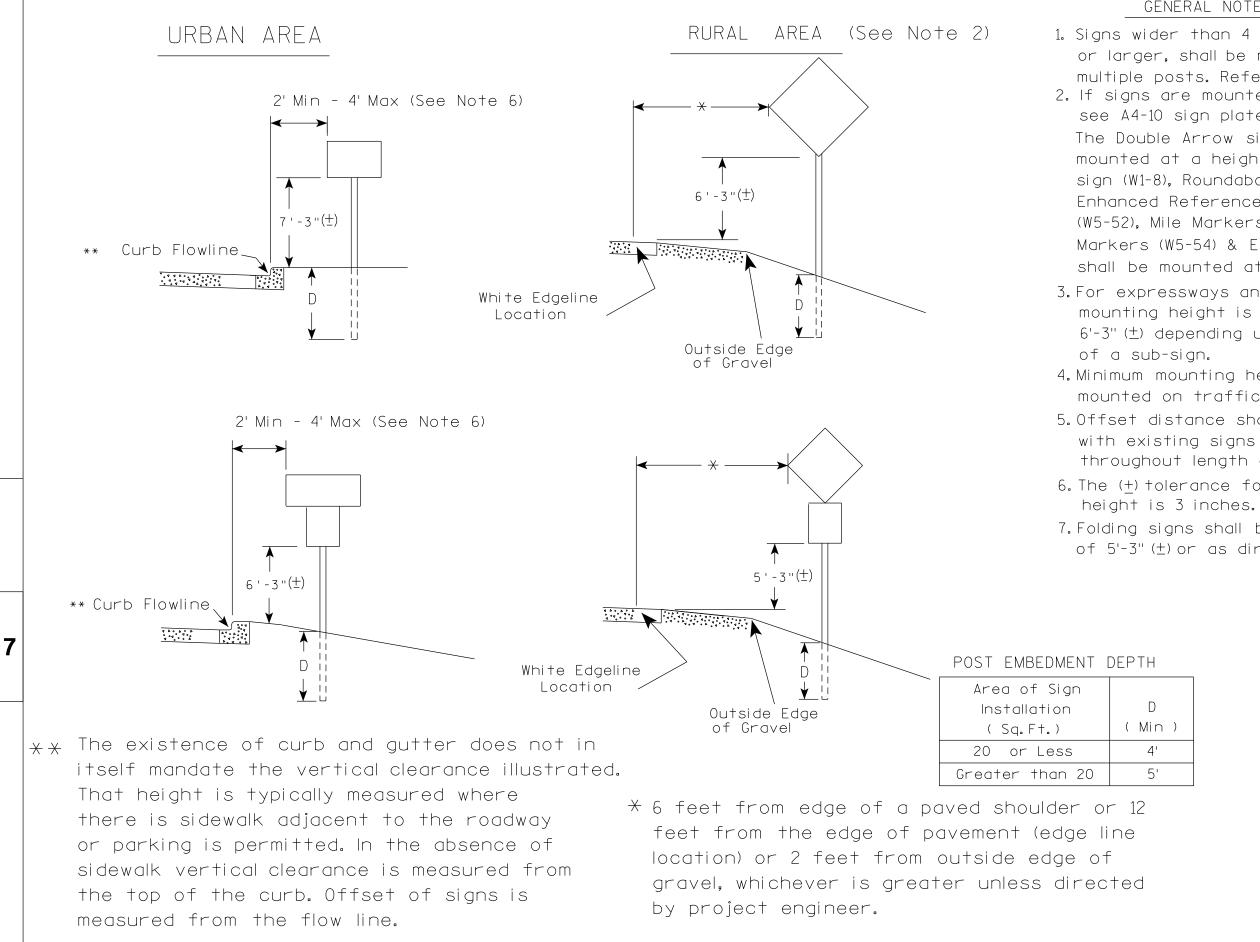
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- **TEMPORARY PEDESTRIAN SURFACE "A"**
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

## 60 . 0 õ Δ S ~ Δ

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## **TRAFFIC CONTROL**, **PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

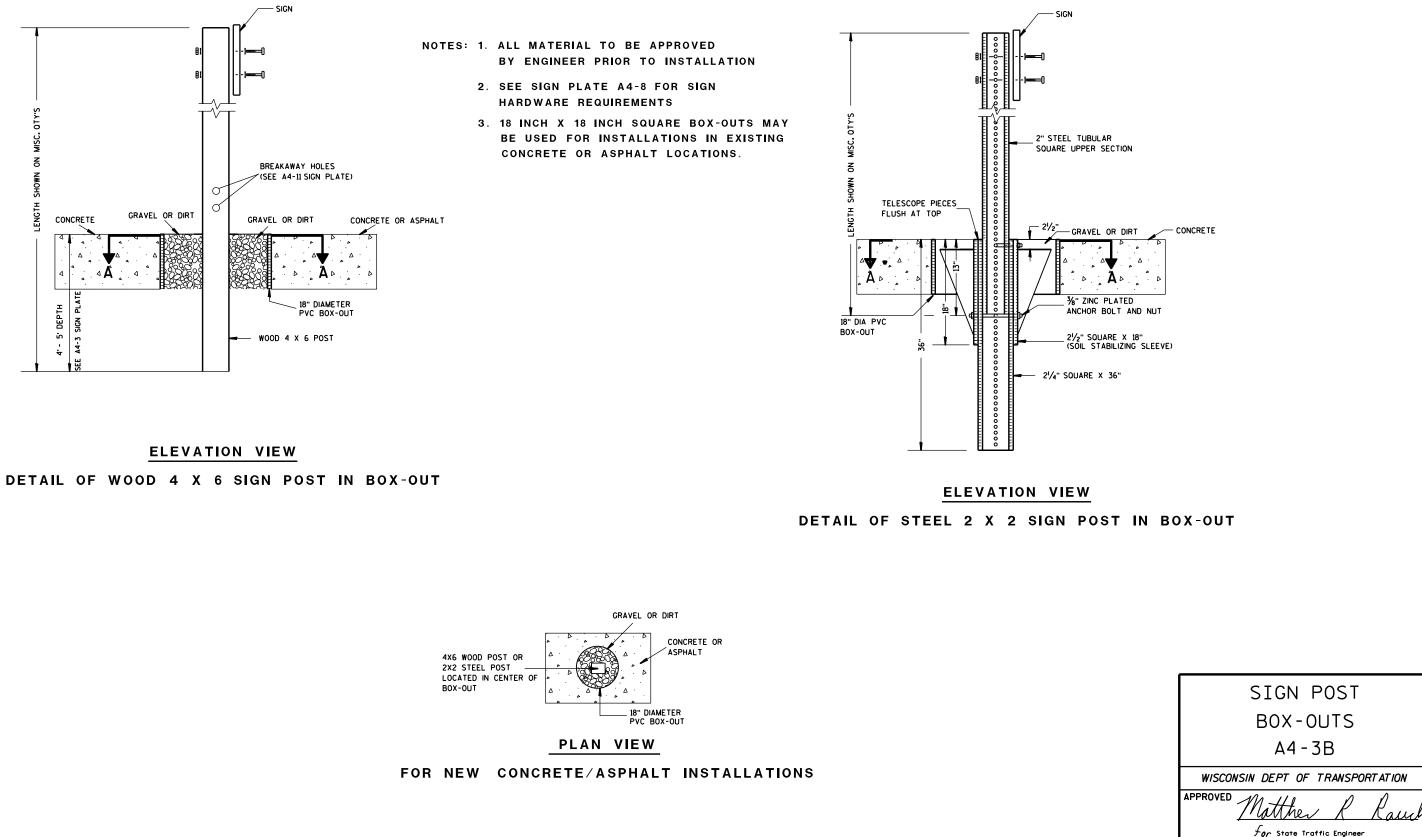


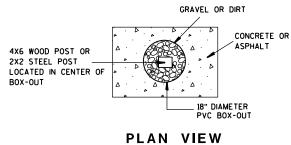
PROJECT NO:	HWY:	COUNTY:			
			DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -

## 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 sian plate. The Double Arrow sign (W12-1D) shall be mounted at a height of  $2'-3''(\pm)$ . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52). Mile Markers (D10 series). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (+). 3. For expressways and freeways, mounting height is 7'- 3" ( $\pm$ ) or  $6'-3''(\pm)$  depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3"  $(\pm)$  or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>44-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42





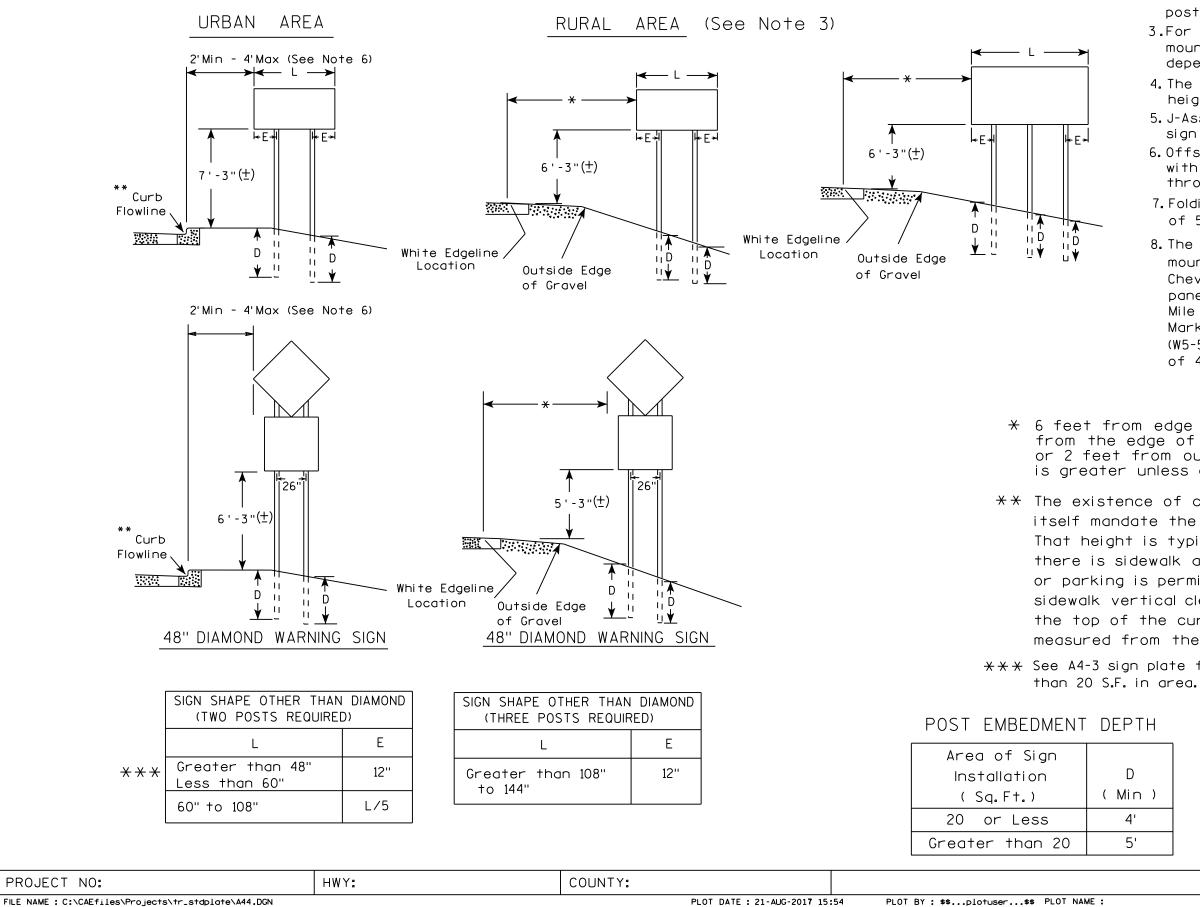
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

7

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  $7'-3''(\pm)$  or  $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3"  $(\pm)$  or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

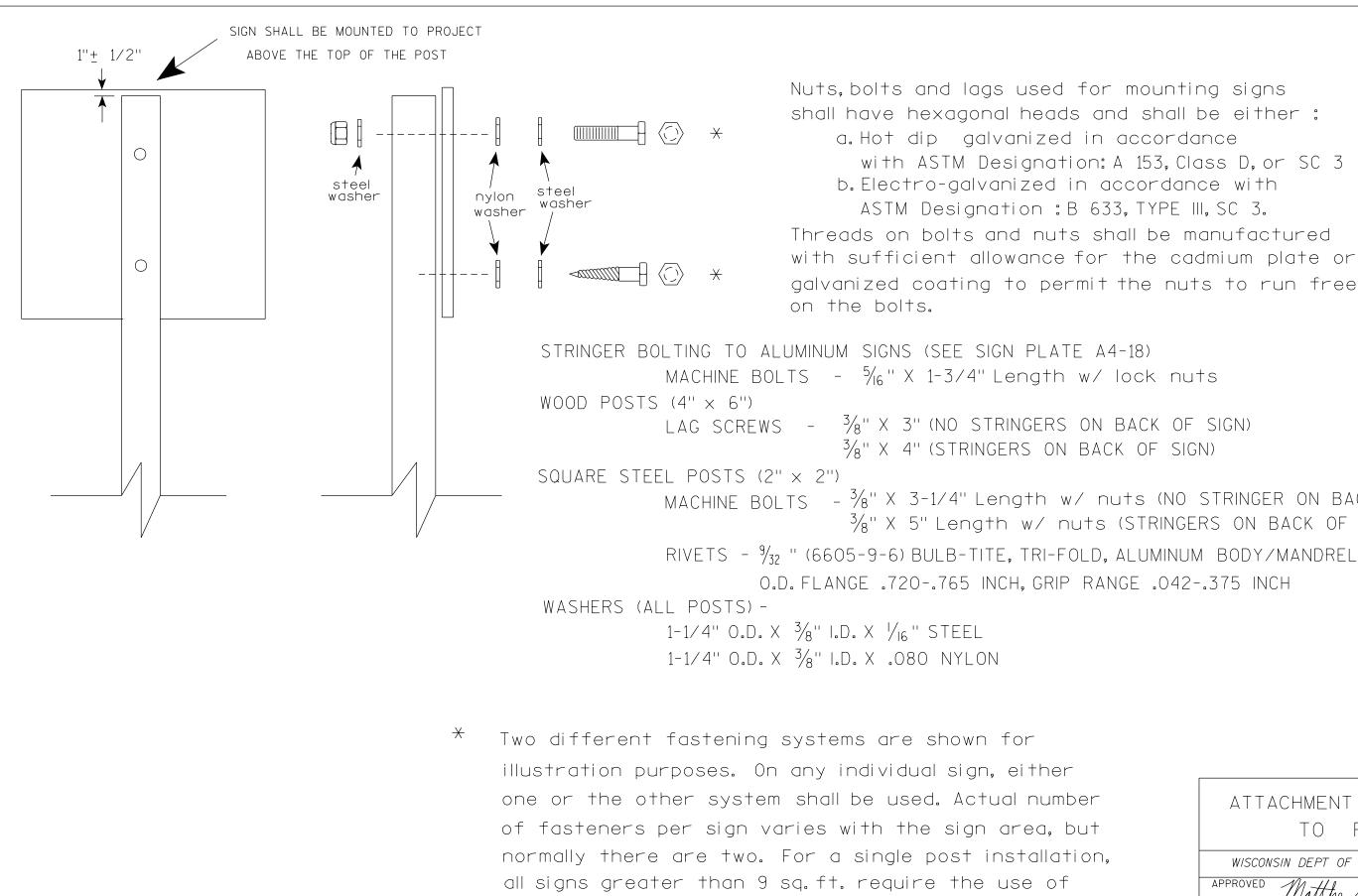
\*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of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

 $\times$   $\times$  See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS										
)	WISCONSIN DEPT OF TRANSPORTATION										
,	APPROVED Matther & Rauch										
	For State Traffic Engineer										
	DATE 8/21/17 PLATE NO. 44-4.15										
	SHEET NO: E										
DI AT. CA	L 5 - 100 100007-1 00000										

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



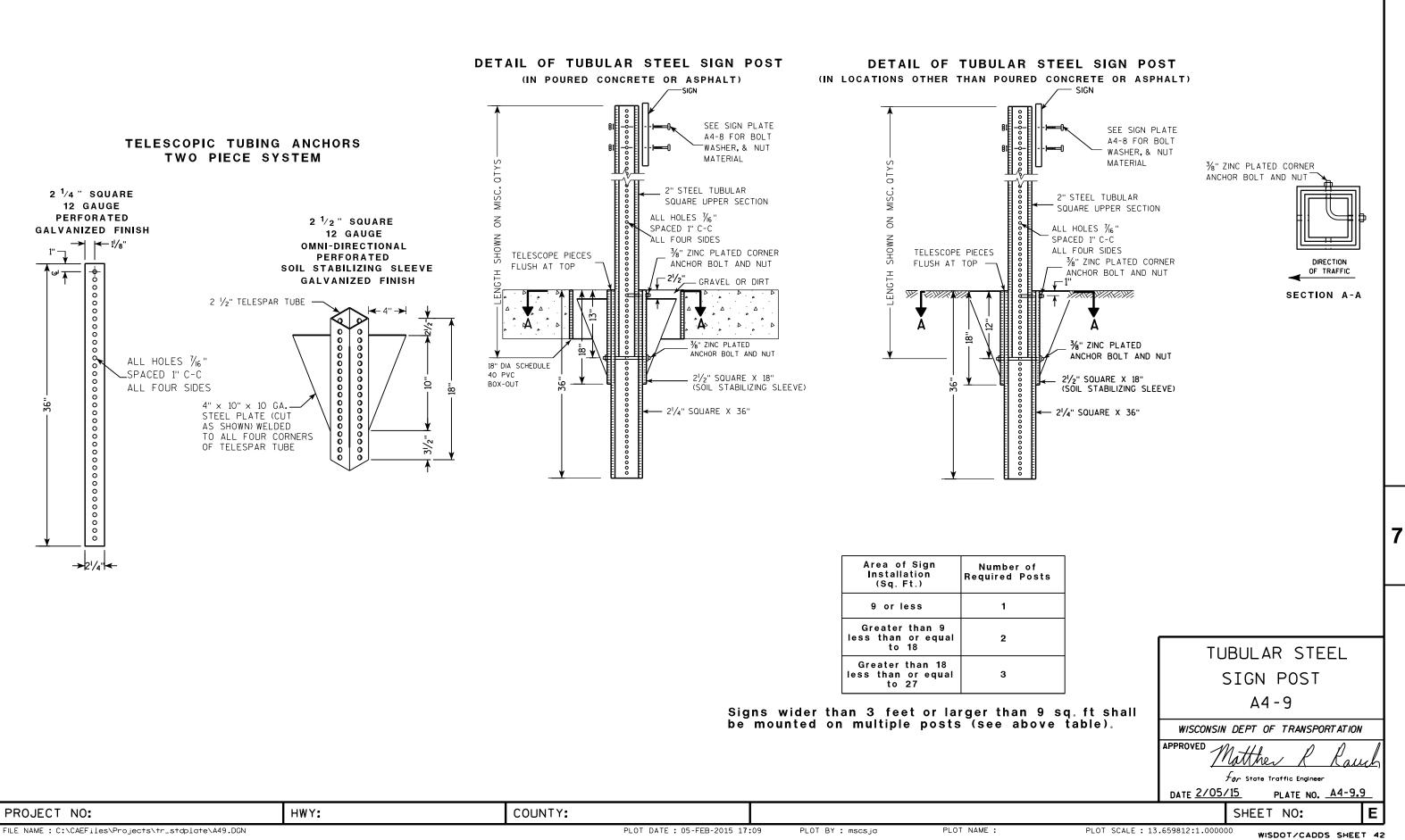
3 fasteners.

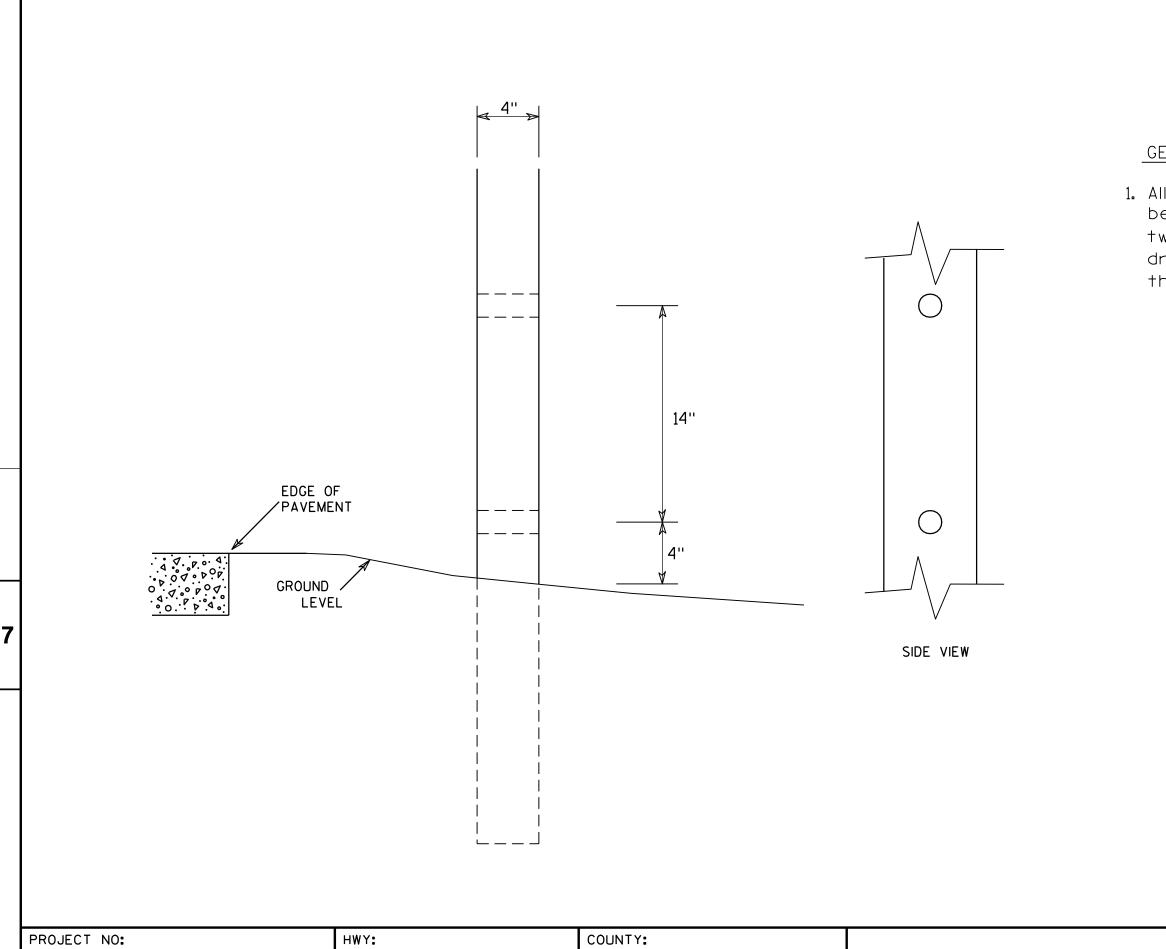
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - <sup>3</sup>/<sub>8</sub>" 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)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
∽°r State Traffic Engineer
DATE <u>4/1/202</u> 0 PLATE NO. <u>A4-8.9</u>
SHEET NO: E



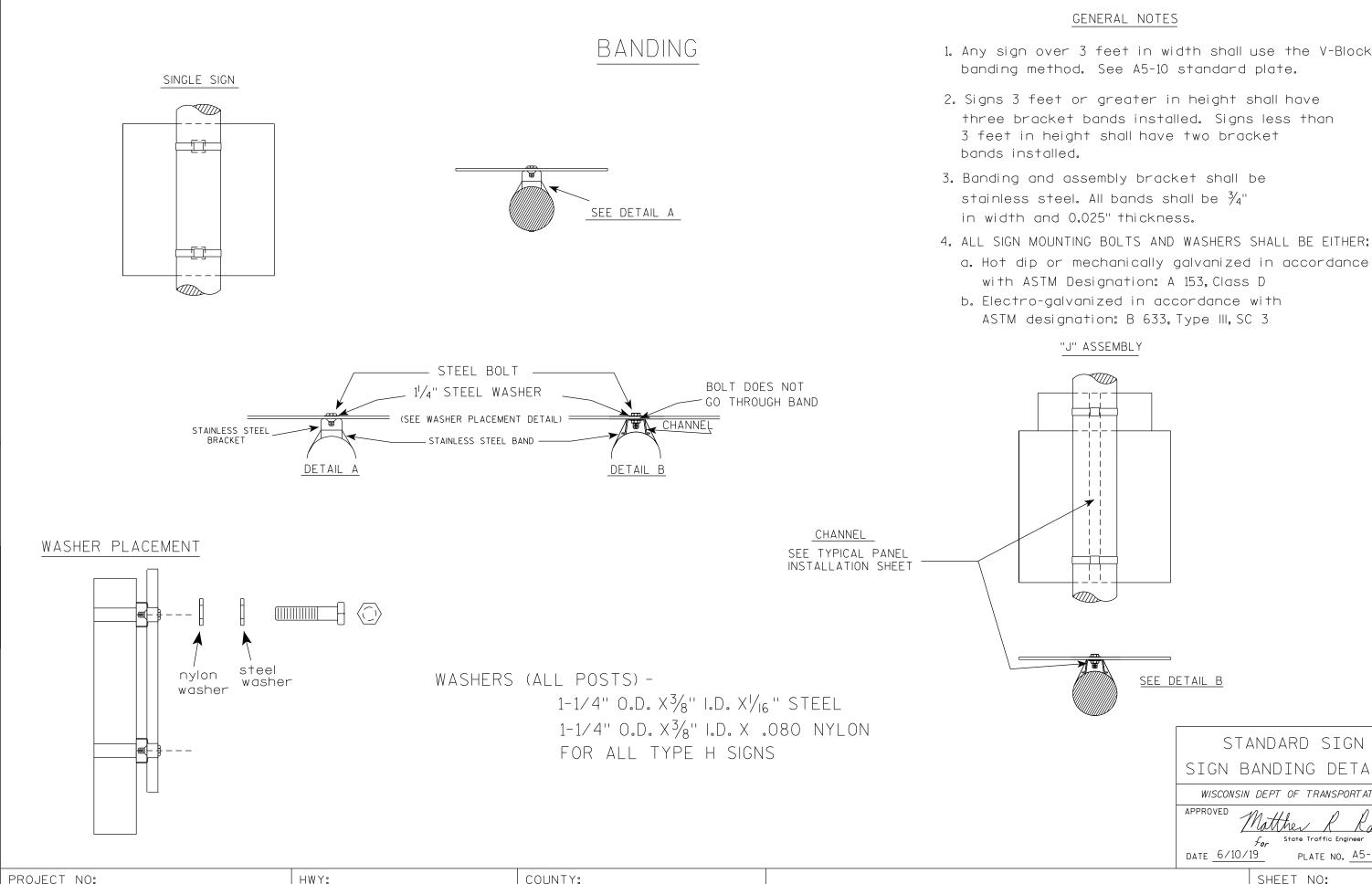


FILE NAME : C:\Users\Projects\tr\_stdplate\A411.DGN

## GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two  $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Х	ô	WOO	DF	POST								
		MOD	IF	FICA	TI	SNC								
	WISC	WISCONSIN DEPT OF TRANSPORTATION												
	APPROVE	D		hester .	Γέ	Spang								
			tor	State Tr	affic Er	ngineer								
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2							
			9	SHEET	N0:		Ε							
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHEE	т 42							



FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A59.dgn

7

PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME :

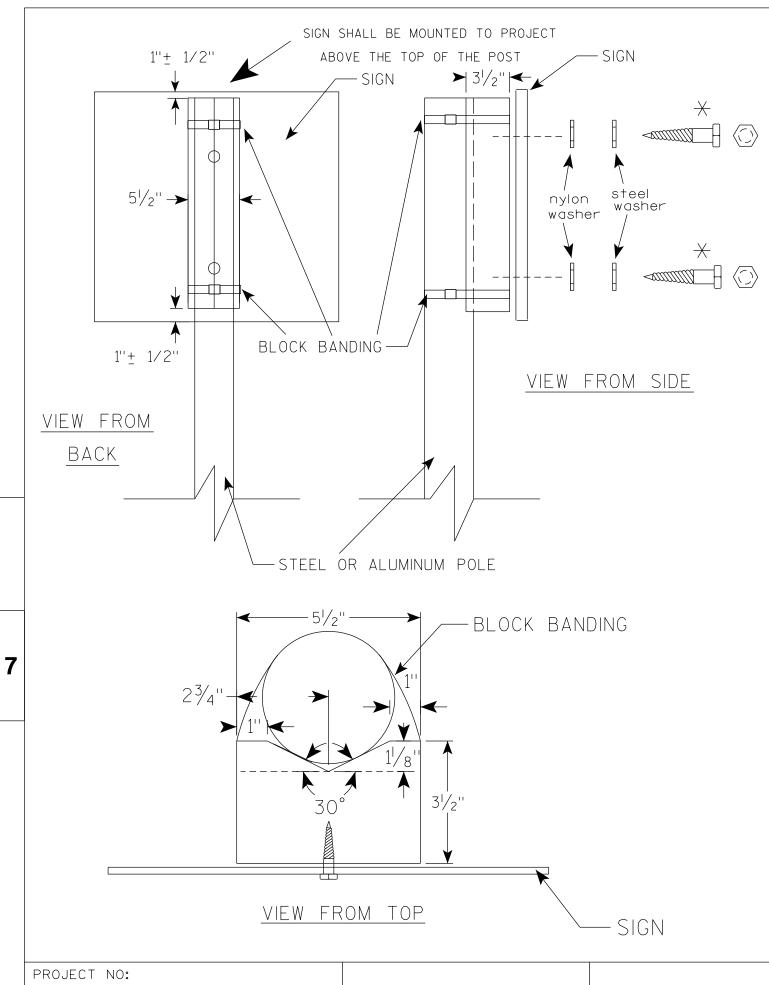
## GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.

three bracket bands installed. Signs less than 3 feet in height shall have two bracket

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

	<u>SEE DETAIL B</u>
	STANDARD SIGN
	SIGN BANDING DETAILS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthe Rauch
	DATE 6/10/19 PLATE NO. 45-9.4
	SHEET NO: E
PLOT S	CALE : \$\$plotscale\$\$ WISDOT/CADDS SHEET 42



## GENERAL NOTES

- WISDOT STANDARD SPECIFICATIONS
- AND 0.025" THICKNESS
- 9 S.F. 3 FASTENERS SHALL BE USED.
- with ASTM Designation: A 153, Class D
  - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ "
- OR TYPE E EACE SIGN

 $\times$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X 2<sup>1</sup>/<sub>2</sub>"

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

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE

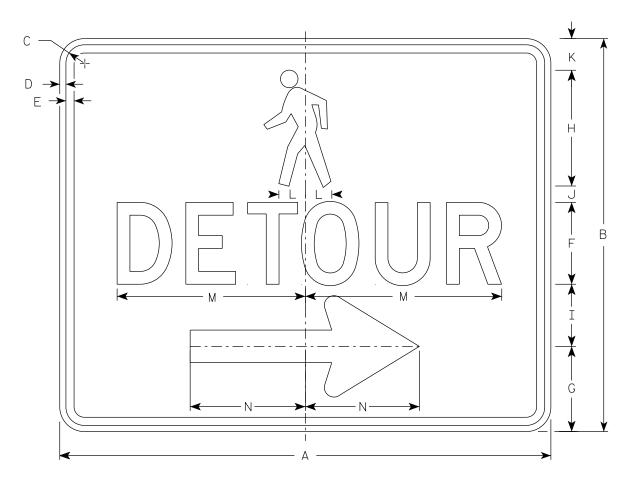
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL,  $\frac{3}{4}$ " WIDTH

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 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER: a. Hot dip or mechanically galvanized in accordance

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

BLOCK BANDING DETAIL ( V-BLOCK OPTION )
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
<i>for</i> State Traffic Engineer
DATE <u>4/19/2022</u> plate no. <u>45-10.3</u>
SHEET NO: E
i i i i i i i i i i i i i i i i i i i

WISDOT/CADDS SHEET 42



M4-9BR

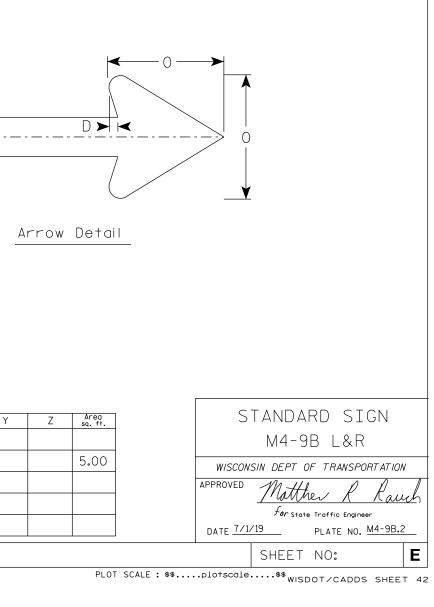
SIZE	А	В	С	D	E	F	G	н	I	J	K	L	М	N	0	P	Q	R	S	Т	U	V	W	Х	Y
1																									
2	30	24	1 1/8	3⁄8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5⁄8	11 3/4	7	6	2									
3																									
4																									
5																									
PRO	PROJECT NO: HWY: COUNT							COUNTY:																	
FILE N	_E NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.dgn										PLOT DATE : 1-JUL 2019 1:57				5 <b>7</b>	PLOT BY : mscj9h			PLOT NAME :		Е:				

- 2. Color:
- 3. Message Series D

- is reversed.

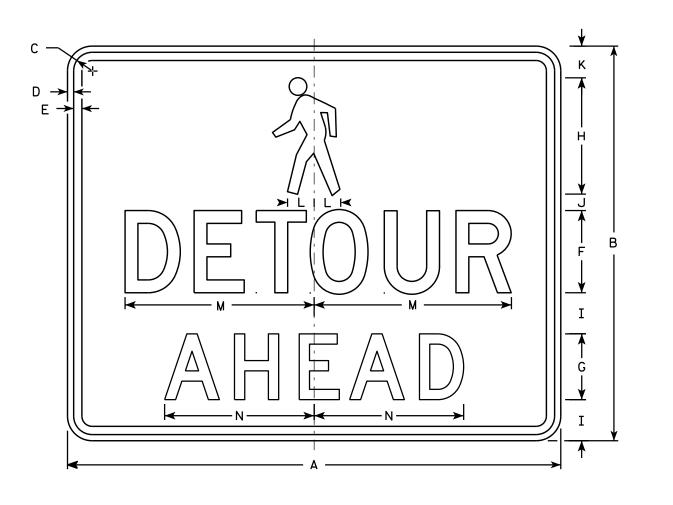
```
NOTES
```

```
1. Sign is Type II-Type F Reflective
   Background - Orange
   Message – Black
4. Corners may be square or rounded when base
  material is plywood but borders shall be rounded
  as shown. When base material is metal, the
  corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow
```



## NOTES

- 1. Sign is Type II Type F Reflective
- 2. Color:
  - Background Orange Message – Black
- 3. Message Series D



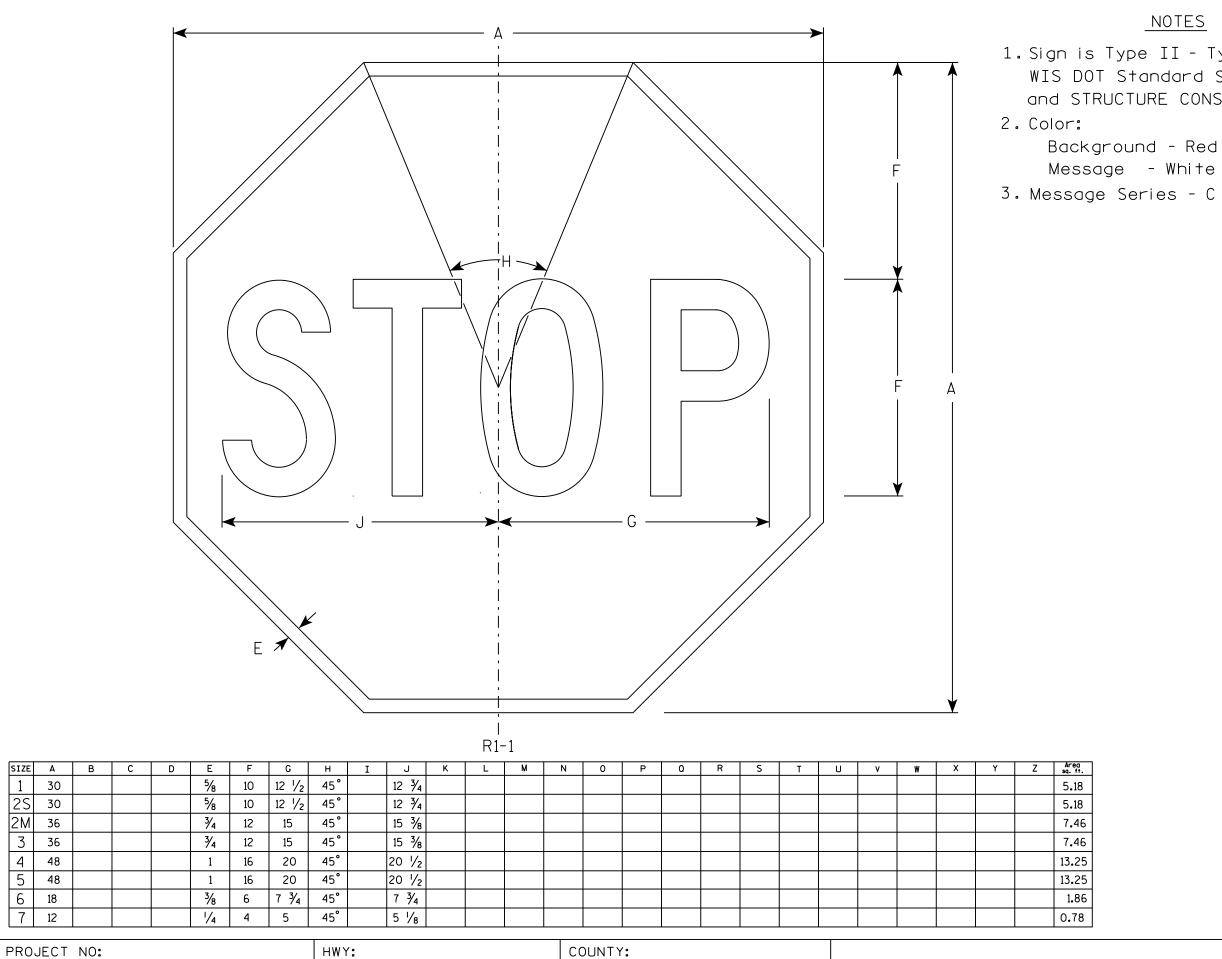
M4-9BA

SIZE	Α	В	С	D	E	F	G	н	I	J	ĸ	L	м	N	0	Р	0	R	S	Т	U	v	W	X	Y
1																									
2	30	24	1 1/8	3⁄8	1/2	5	4	7 1/8	2 1/2	1	1 1/8	1 5/8	11 3⁄4	9 1⁄8											
3																									
4																									
5																									
PRO	JECT	NO:					н	WY:					СОЛ	NTY:											
FILE N	AME : C:	\CAEFile	es\Project	s\tr_std	plate\M49	9BA.dgn										PLOT DA	TE: 24-N	/AR-2016	14 <b>:</b> 57	PLO	T BY : ms	scsja		PLOT N	AME :

7

4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

			STAN	DARD SIGN				
Z	Areo sq. ft.	]	I	M4-9BA				
	5.0	-	WISCONSIN D	EPT OF TRANSPORTATION	/			
		-	APPROVED M	atther & Ram	h			
		-		or State Traffic Engineer				
		J	DATE <u>3/24/16</u>	PLATE NO. <u>M4-9B</u>	A.1			
				SHEET NO:	Ε			
	PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET							



FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\R11.DGN

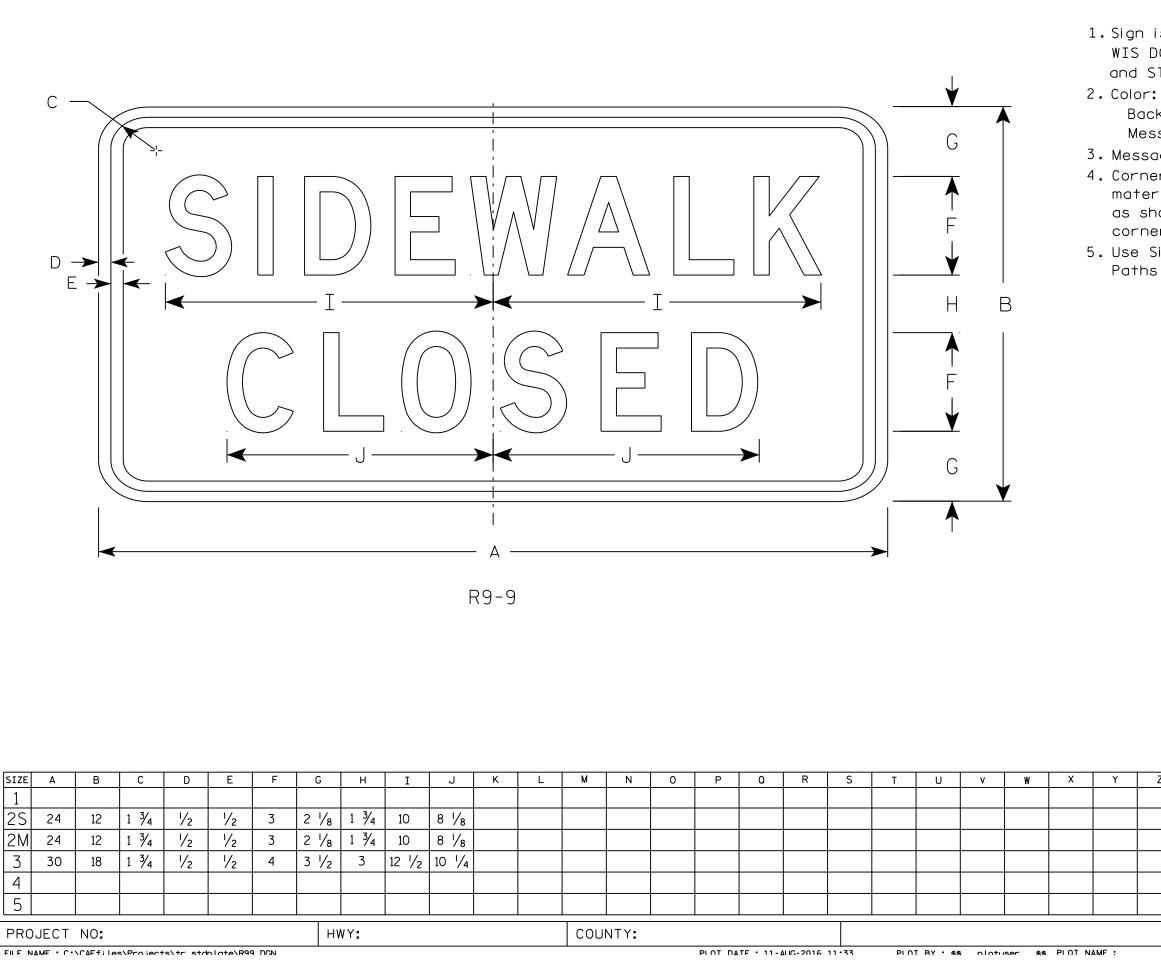
PLOT DATE : 22-AUG-2017 07:19 PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

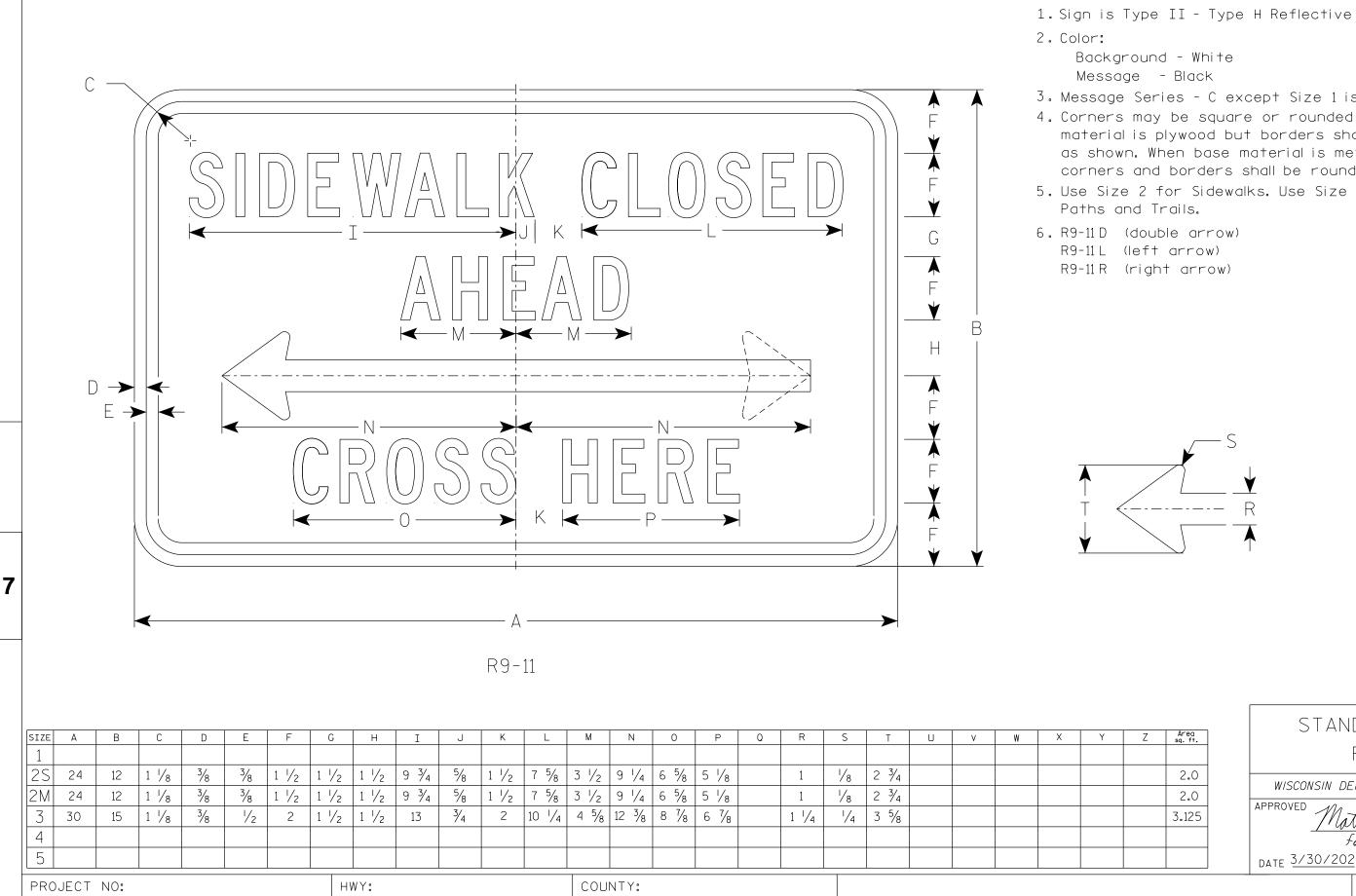
STANDARD SIGN
R1-1
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matther R Rauch For State Traffic Engineer
DATE <u>11/12/15</u> PLATE NO. <u>R1-1.13</u>
SHEET NO: E
PLOT SCALE : 4.427909:1.000000 WISDOT/CADDS SHEET 42



## NOTES

 Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 Color: Background - White Message - Black
 Message Series - C
 Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

Z	Area sq. ft.	STA		) SIGN	
	2.0		R9 -	9	
	2.0	WICCONCIN		TRANSPORTATIO	
	2.0		DEFIOR		//v
	3.75	APPROVED 2	Natther	R Rain	6
			for State Tr	affic Engineer	
		DATE <u>8/11/1</u>	<u>6</u> PL	ATE NO	9.6
			SHEET	NO:	E



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R911.dgn

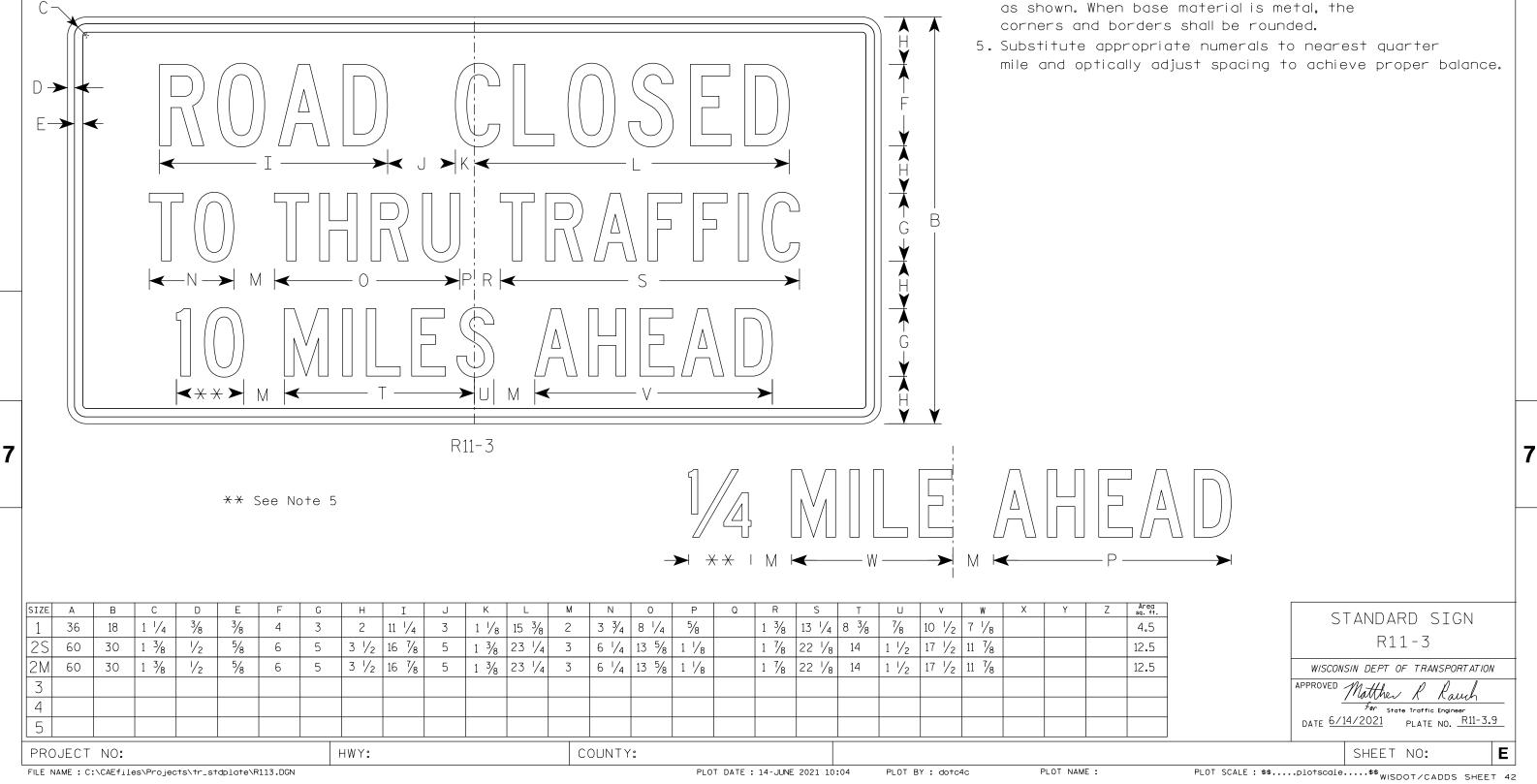
PLOT DATE : 30-MAR 2021 1:40 PLOT BY : dotc4c PLOT NAME :

NOTES 3. Message Series - C except Size 1 is Series D 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded. 5. Use Size 2 for Sidewalks. Use Size 3 for

Area sq. ft.	STANDARD SIGN R9-11
 2.0	WISCONSIN DEPT OF TRANSPORTATION
2.0	APPROVED ADA ILA DO
3.125	For State Traffic Engineer
	DATE <u>3/30/2021</u> PLATE NO. <u>R9-11.4</u>
	SHEET NO: E

## NOTES

- 2. Color:
  - Background White Message - Black
- 3. Message Series C



FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\R113.DGN

PLOT DATE : 14-JUNE 2021 10:04 PLOT BY : dotc4c PLOT NAME :

```
1. Sign is Type II - Type H Reflective
4. Corners may be square or rounded when base
   material is plywood but borders shall be rounded
```

7		NOTES 1. Sign is Type II - Ty WIS DOT Standard S and STRUCTURE CONS 2. Color: Background - Yello Message - Black 3. Corners may be sau material is plywood as shown. When base corners and border
	SIZE A B C D E F G H I J K L	M N O P O R S T U V W X Y Z
	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
	3     36     1 5/8     5/8     3/4     3 1/2     24	
	4     48     2 1/4     3/4     1     4 3/4     32	
	5	
	PROJECT NO: HWY:	COUNTY:
	FILE NAME : C:\Users\PROJECTS\tr_stdplate\S11.DGN	PLOT DATE : 26-MAY-2010 16:12 PLOT BY : ditjph PLOT NAME :

Type F Reflective - reference Specification for HIGHWAY ISTRUCTION latest edition.

low-Green

quare or rounded when base but borders shall be rounded se material is metal, the ers shall be rounded.

Z 4.69	STANDARD SIGN S1-1
6.75	WISCONSIN DEPT OF TRANSPORTATION
6.75	APPROVED Matthew & Rauch
12	DATE 6/30/05 PLATE NO. S1-1.8
	SHEET NO: E
PLOT SCALE :	5.959043:1.000000 WISDOT/CADDS SHEET 42

PLOT DATE : 27-JULY-2020 3:28	
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SIZE	А	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	
1																										
2	24	48	1 3/8	1/2	5⁄8	4	10	2	2 1/2	1 3⁄4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 <sup> </sup> /8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8		
3	36	72	2 1/4	3⁄4	1	6	15	3	3 3/4	2 3⁄4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 <sup> </sup> /2	11 <sup> </sup> /4	11 1/2	5 ½	5 3⁄4	10	9 3/4	14	14 1/8		
4																										
5																										
PRO	JECT	NO:					НМ	/Y:					COUN	TY:												
FILE N	AME : C:	\CAEFile	s\Project	s\tr_std	plate\S45	51.DGN	•								F	PLOT DAT	E : 27-JU	ILY-2020 3	3:28	PLOT	BY : dot	c4c		PLOT NAM	E :	

S4-51

7

D> FA Н \$ н G H A

С

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type 2. Color:

Background - See Note 4 Message – Black

3. Message Series - See Note 5

4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective Lower panel background - White - Type SH Reflective

5. From top to bottom:

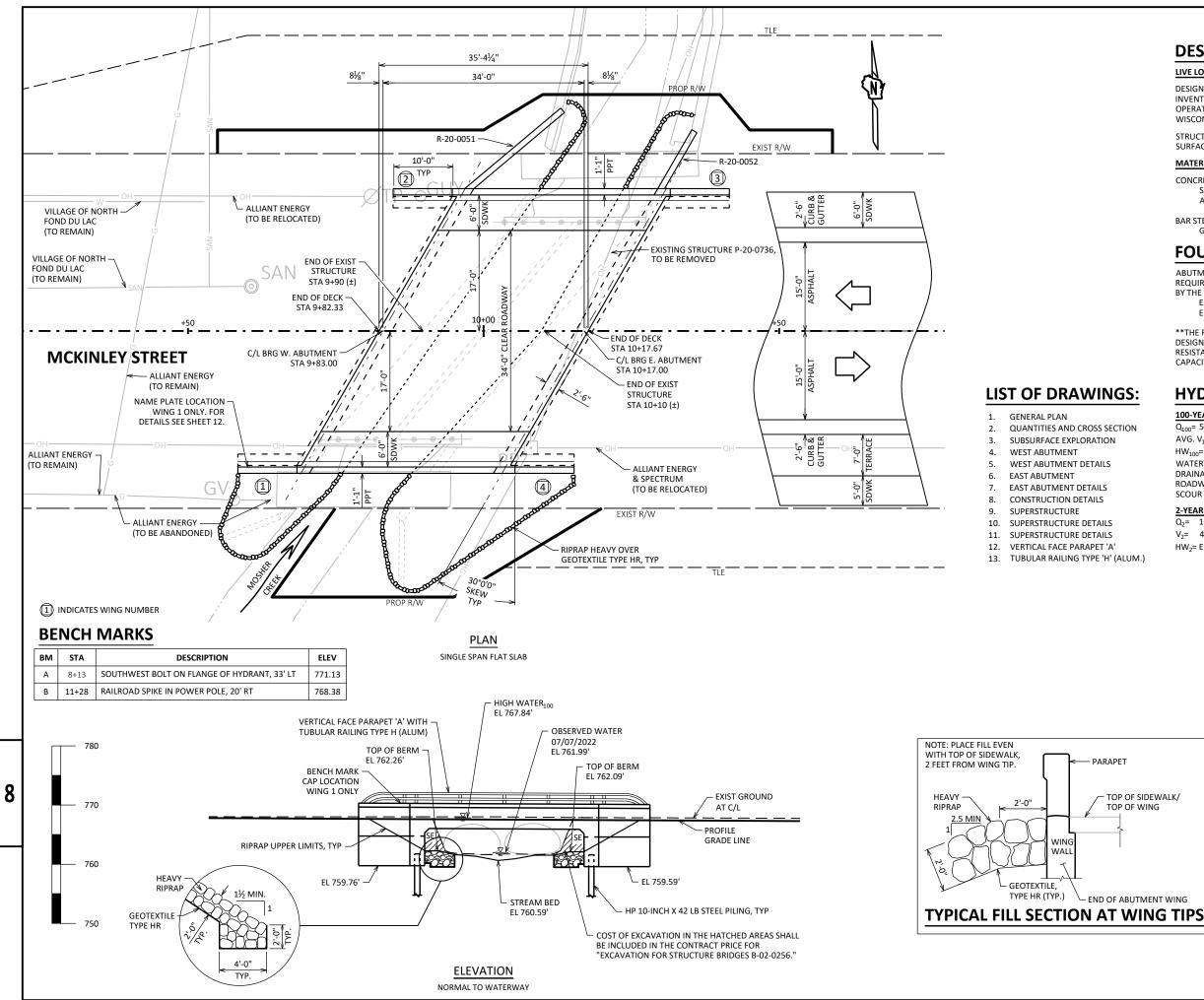
Lines 1, 5, 6 & 7 are series D

Lines 2,3 & 4 are series E

6. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Z Area sq. ft.	STANDARD SIGN
	S4-51
8.00	WISCONSIN DEPT OF TRANSPORTATION
18.00	APPROVED Matther R Rauch
	For State Traffic Engineer
	DATE 7/27/2020 PLATE NO. 54-51.10
	SHEET NO: E

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



FILE NAME: S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-080101-BR.DWG

LAYOUT NAME: SHT1

PLOT DATE :

PLOT BY : AARON SARAUER

- PARAPET

STATE PROJECT NUMBER

4986-00-59

f<sub>v</sub> = 60,000 PSI

## **DESIGN DATA**

### LIVE LOAD:

DESIGN LOADING: HL-93 INVENTORY RATING: RF = 1.23 OPERATING RATING: RF = 1.59 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'<sub>c</sub> = 3,500 PSI

BAR STEEL REINFORCEMENT GRADE 60

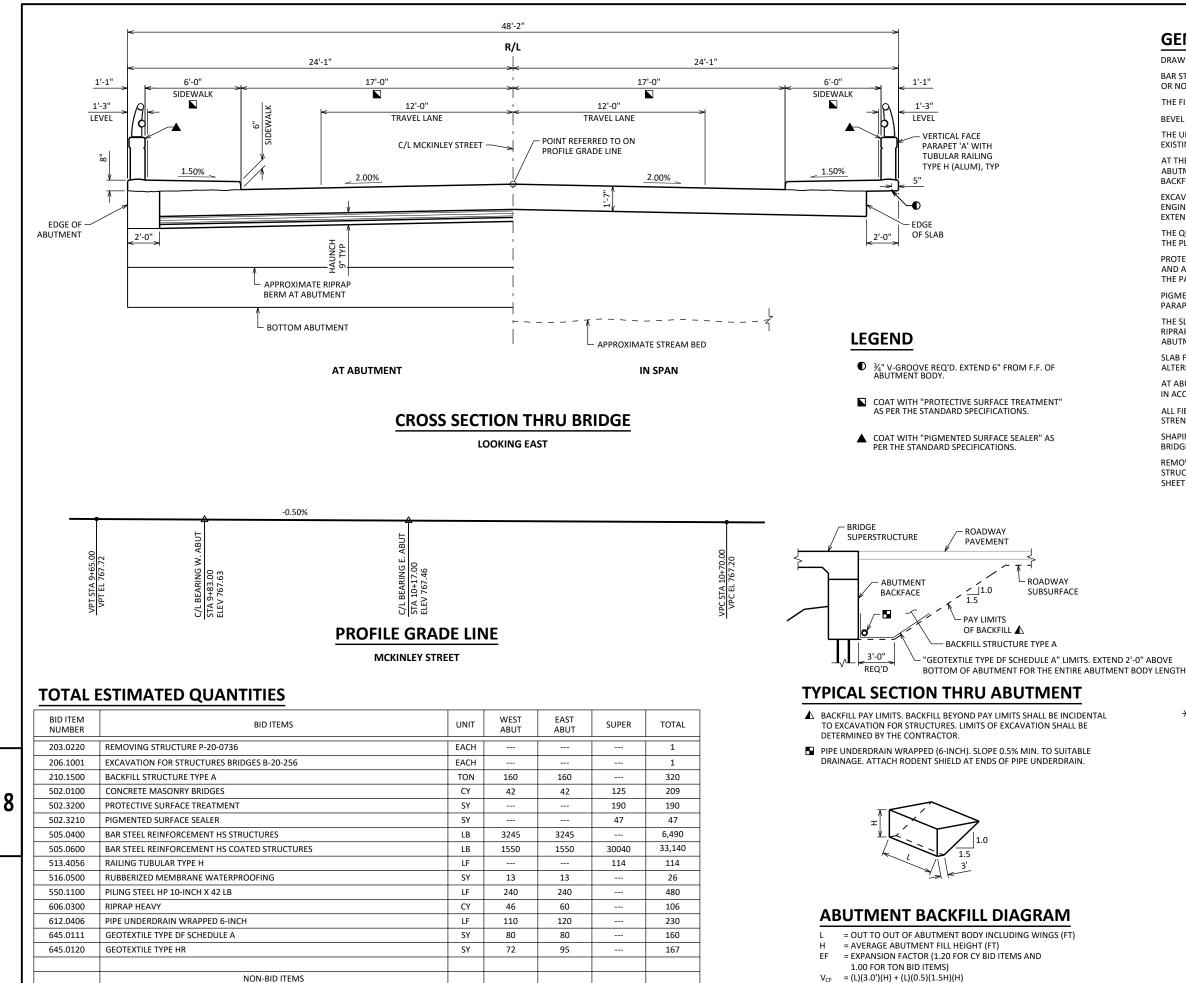
## FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10X42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 110 TONS \*\* PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 30'-0" LONG AT WEST ABUTMENT.

ESTIMATED 30'-0" LONG AT EAST ABUTMENT.

\*\*THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE





FILE NAME: S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-080101-BR.DWG

SIZE

JOINT FILLER

LAYOUT NAME: SHT2

1/2" & 3/4"

V<sub>CY</sub>

 $= V_{CE}(EF)/27$ 

 $V_{TON} = V_{CY}(2.0)$ 

### STATE PROJECT NUMBER

4986-00-59

## **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 3/" UNLESS OTHERWISE NOTED

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-20-256" SHALL BE THE EXISTING GROUNDLINE

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

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

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

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS

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

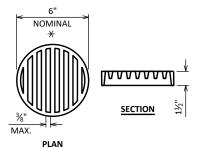
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE, UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

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

ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/ DIAMETER A325 HIGH-TENSILE STRENGTH BOLTS UNLESS OTHERWISE SHOWN OR NOTED.

SHAPING CHANNEL BOTTOM IS INCIDENTAL TO BID ITEM "EXCAVATION FOR STRUCTURES BRIDGES B-20-0256"

REMOVING STRUCTURE ITEM SHALL INCLUDE TWIN CMPA 88X60-INCH, SIDEWALK STRUCTURES, ABUTMENTS, WALLS, AND OTHER ITEMS AS SHOWN ON THE REMOVAL PLAN SHEET IN THE ROADWAY PLANS.



## **RODENT SHIELD DETAIL**

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

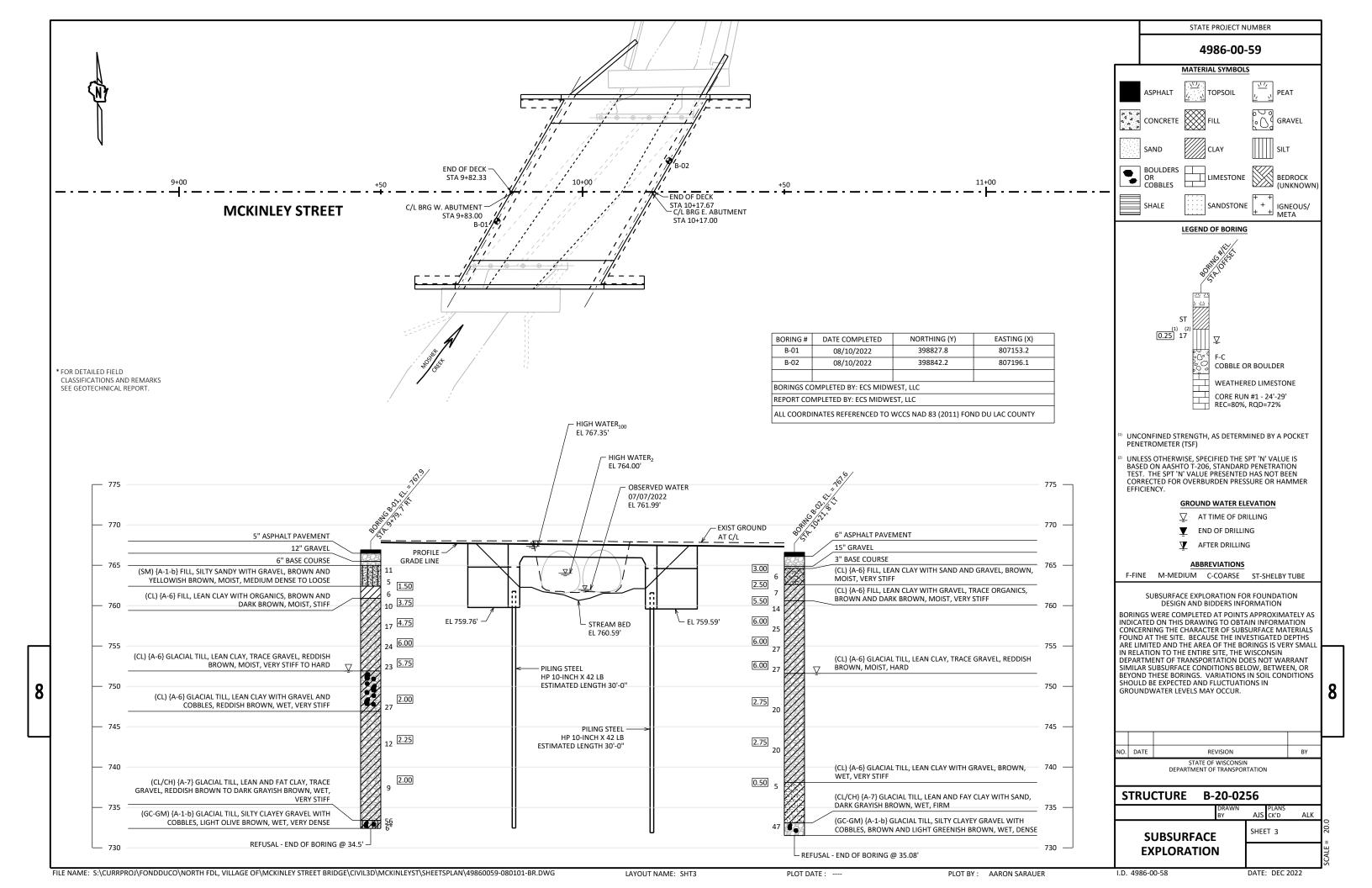
THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

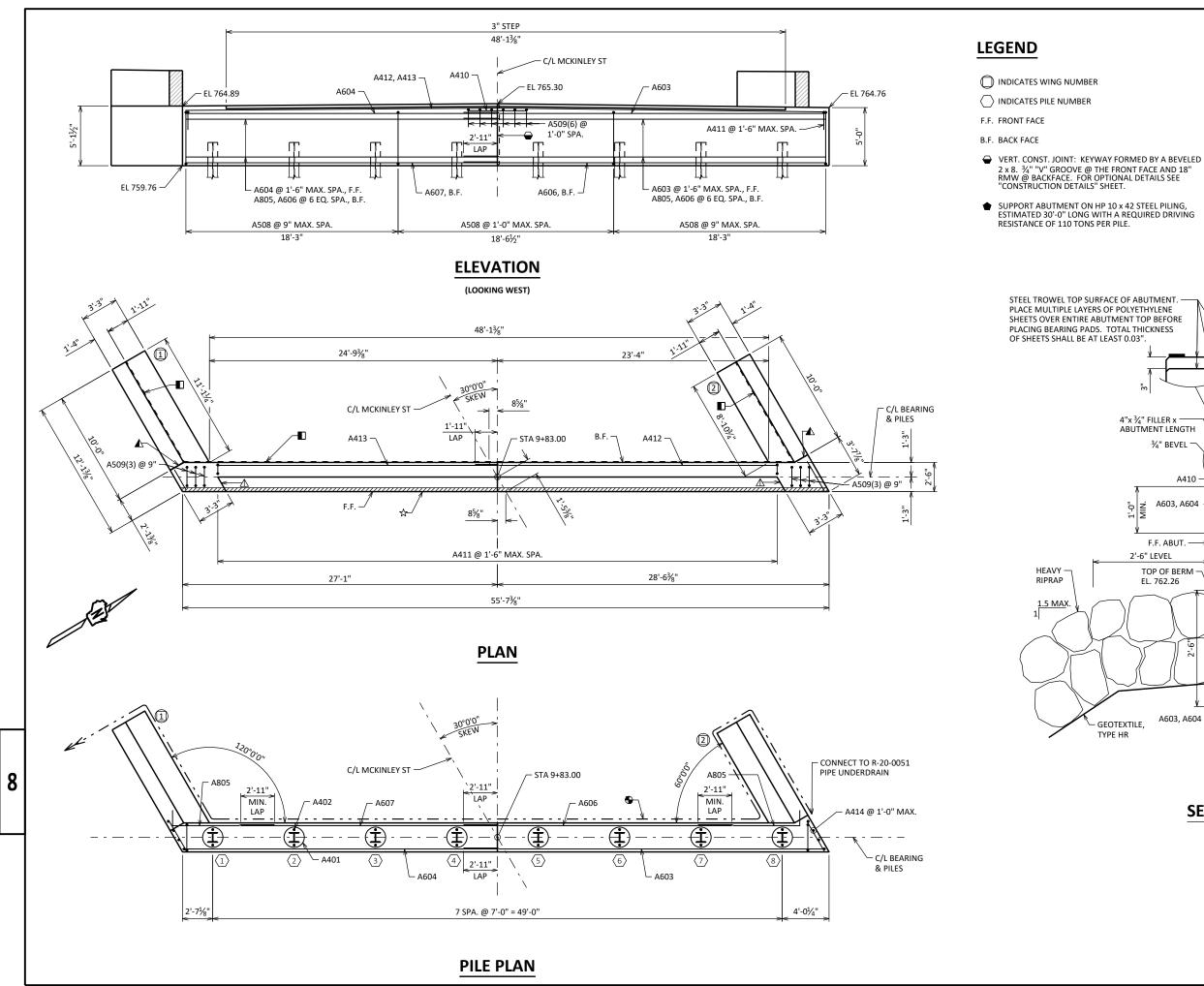
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X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

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STRUCTURE B-20-0256										
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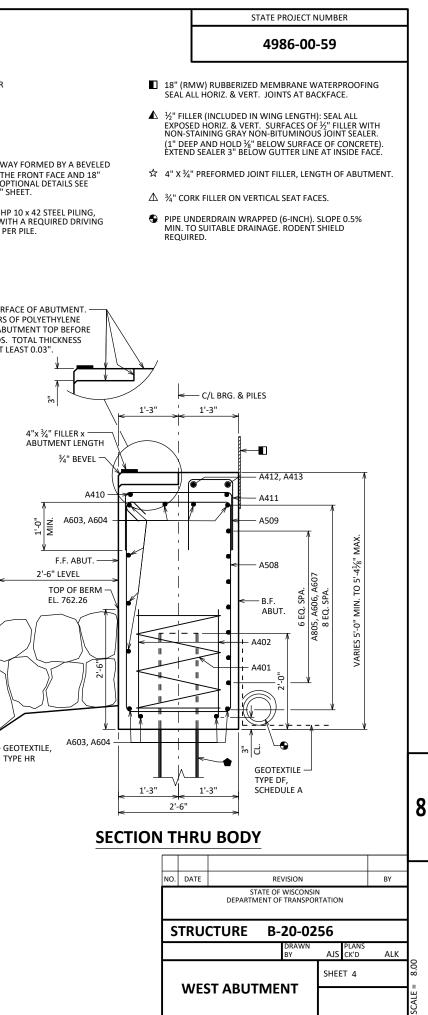
I.D. 4986-00-58

DATE: DEC 2022

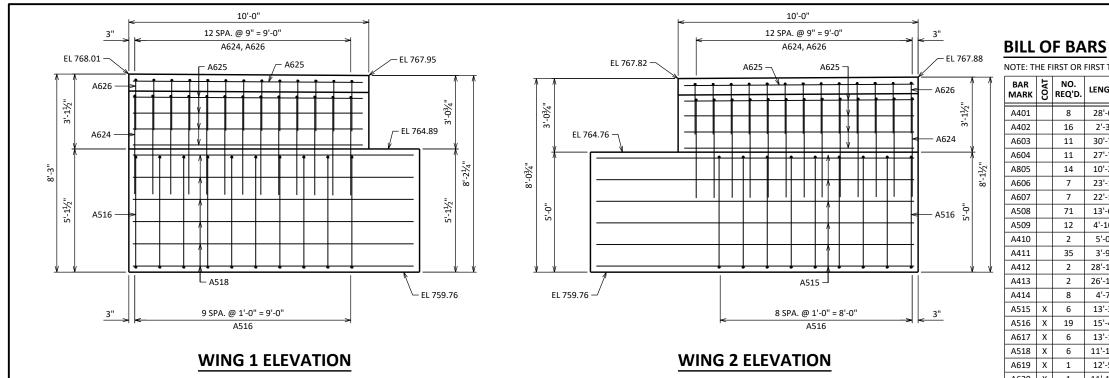


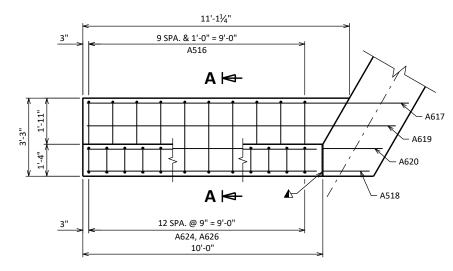


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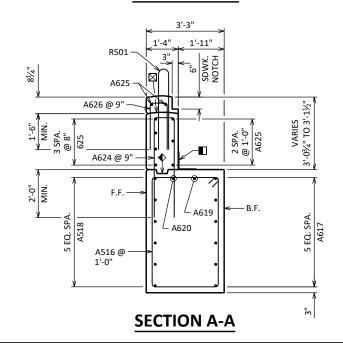


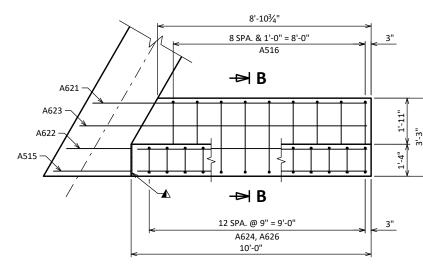
I.D. 4986-00-58



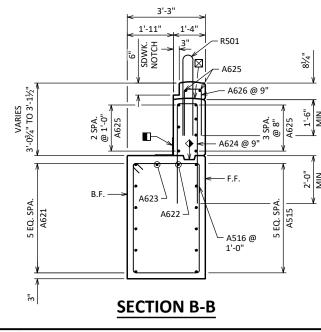


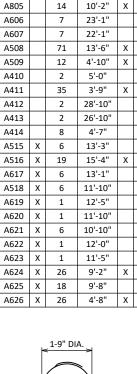
## WING 1 PLAN





WING 2 PLAN





NO.

8

16

11

REQ'D. LENGTH

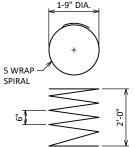
28'-0"

2'-3"

30'-7'

11 27'-7"

X



A401

## LEGEND

- INDICATES WING NUMBER
- F.F. FRONT FACE
- B.F. BACK FACE
- 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ▲ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD  $\frac{1}{2}$ " BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.
- ♦ OPTIONAL CONST. JOINT: KEYWAY FORMED BY EVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).
- OPTIONAL CONST. JOINT, LEAVE ROUGH. IF JOINT IS USED, POUR CONCRETE ABOVE THIS JOINT AFTER DECK IS IN PLACE. UTILIZE RUBBERIZED MEMBRANE WATERPROOFING (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").

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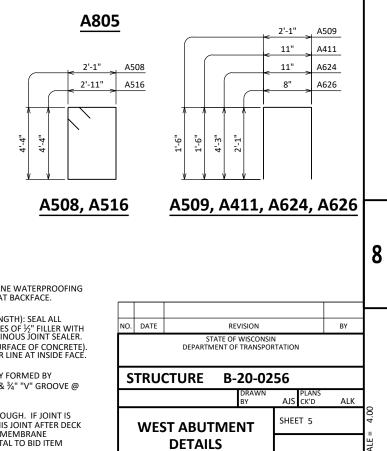
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### 4986-00-59

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

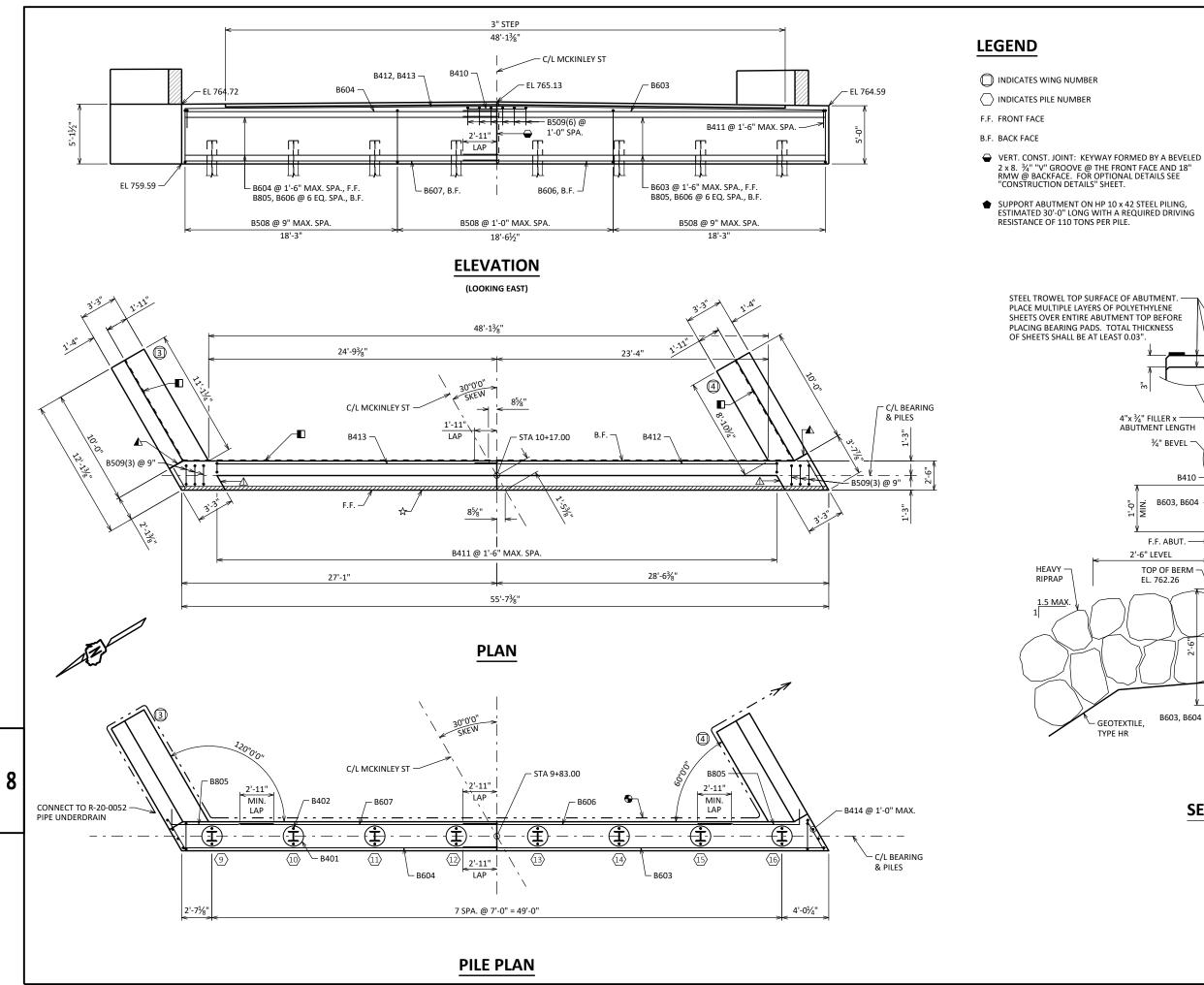
BAR SERIES	LOCATION
	BODY - PILES
	BODY PILES
	BODY - HORIZONTAL F.F. TOP BOTTOM - NORTH HALF
	BODY - HORIZONTAL - F.F. TOP BOTTOM -SOUTH HALF
	BODY - HORIZONTAL - B.F. AT WINGS
	BODY - HORIZONTAL - B.F NORTH HALF
	BODY - HORIZONTAL - B.F SOUTH HALF
	BODY - TIES
	BODY -TIE UPPER - VERTICAL
	BODY -TIE UPPER - CENTER - HORIZONTAL
	BODY SEAT TIE - VERTICAL
	BODY - HORIZONTAL - NORTH
	BODY SEAT - HORIZONTAL - SOUTH
	ABUTMENT ENDS - VERTICAL
	WING 2 - HORIZONTAL - F.F.
	WINGS VERTICAL STIRRUPS
	WING 1 - HORIZONTAL - B.F.
	WING 1 - HORIZONTAL - F.F.
	WING 1 LOWER WING - TOP
	WING 1 LOWER WING - TOP
	WING 2 - HORIZONTAL - B.F.
	WING 2 LOWER WING - TOP
	WING 2 LOWER WING - TOP
	UPPER WING 1 & 2 - VERTICAL
	UPPER WING 1 & 2 - HORIZONTAL
	SW NOTCH - WINGS 1 & 2 - VERTICAL

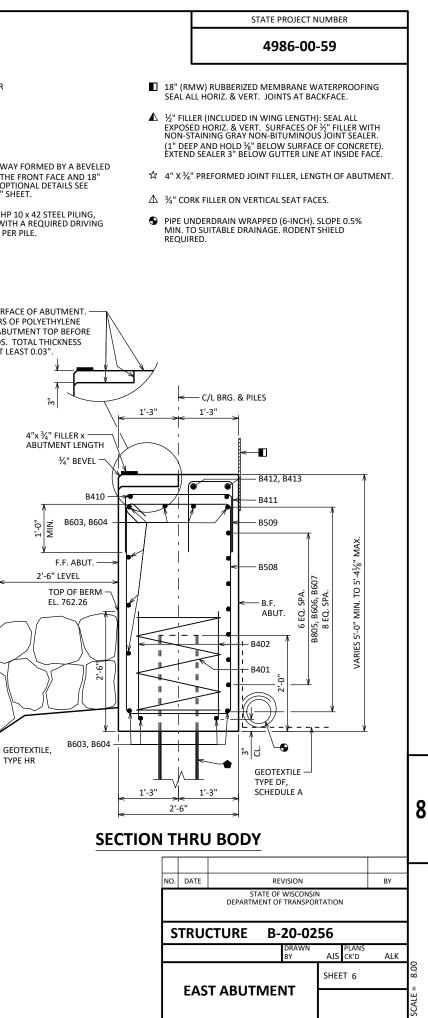




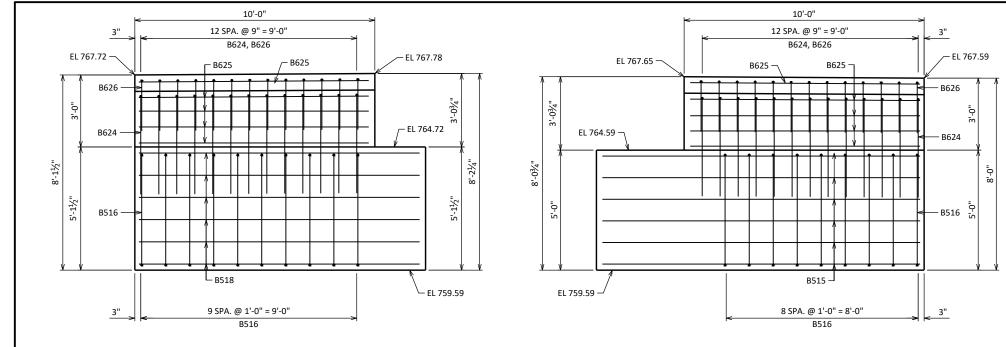
I.D. 4986-00-58

PLOT BY : AARON SARAUER

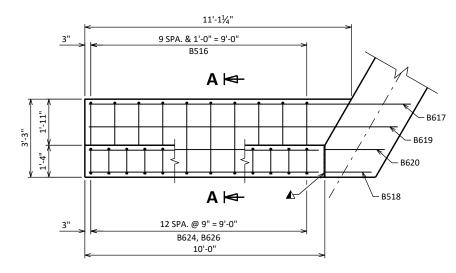




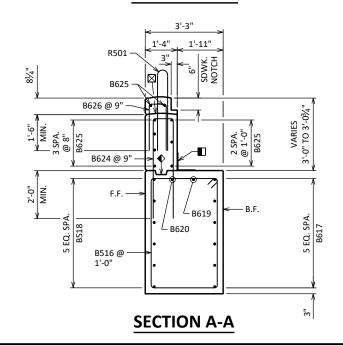
I.D. 4986-00-58



## WING 3 ELEVATION

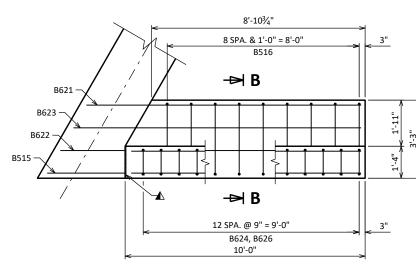


## WING 3 PLAN

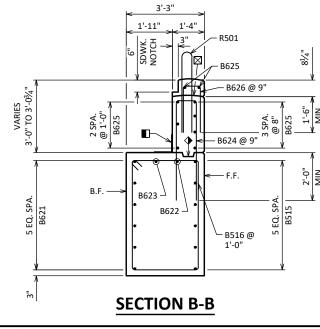


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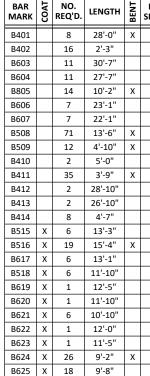


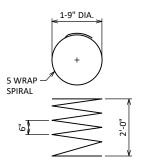


WING 4 PLAN









B626 X 26

4'-8" X

**B401** 

## LEGEND

- INDICATES WING NUMBER
- F.F. FRONT FACE
- B.F. BACK FACE
- 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ▲ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ½" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.
- ♦ OPTIONAL CONST. JOINT: KEYWAY FORMED BY EVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).
- OPTIONAL CONST. JOINT, LEAVE ROUGH. IF JOINT IS USED, POUR CONCRETE ABOVE THIS JOINT AFTER DECK IS IN PLACE. UTILIZE RUBBERIZED MEMBRANE WATERPROOFING (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES").

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LAYOUT NAME: SHT7

PLOT DATE : ----

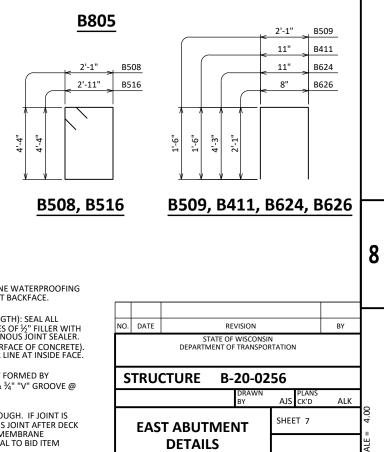
PLOT BY : AARON SARAUER

### 4986-00-59

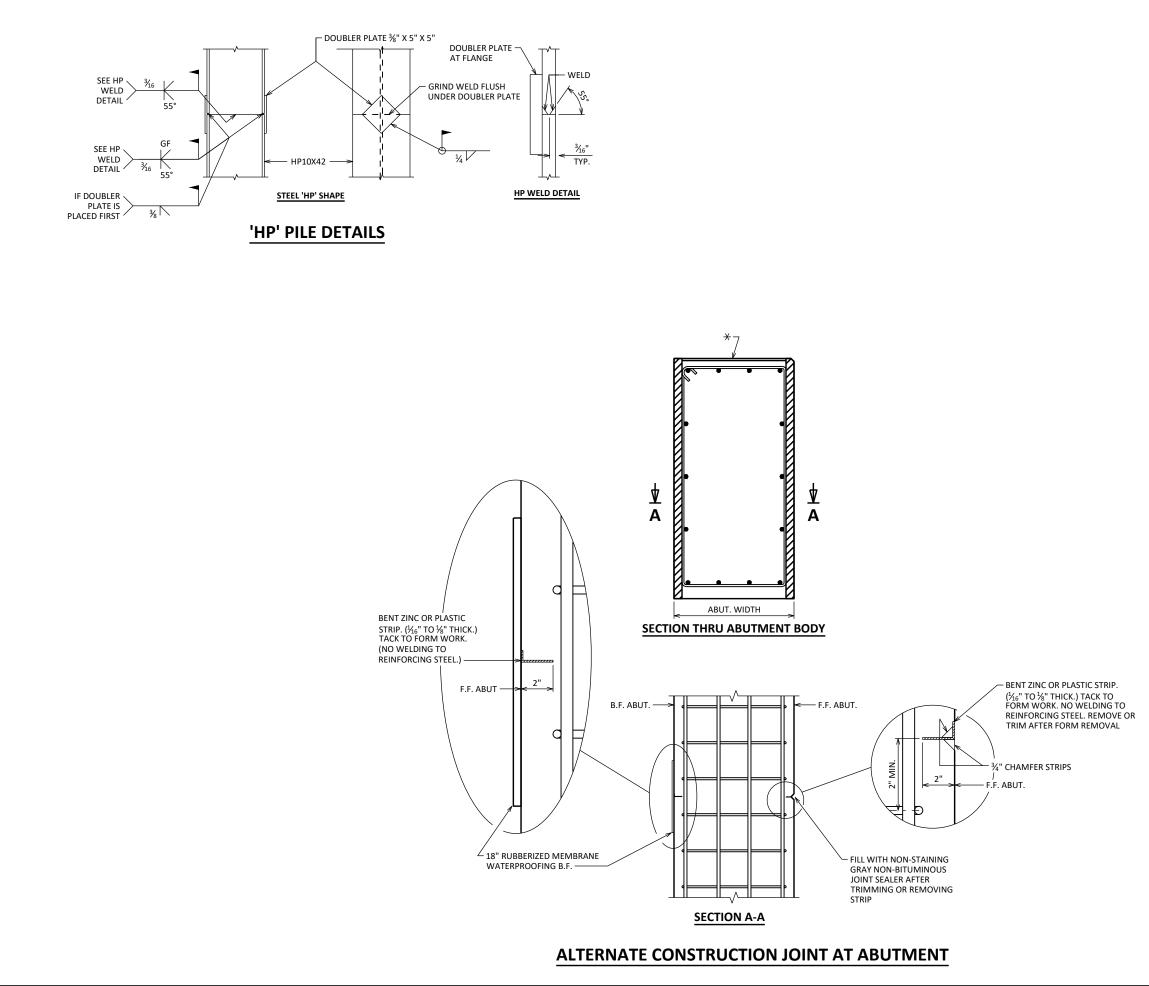
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR SERIES	LOCATION
	BODY - PILES
	BODY PILES
	BODY - HORIZONTAL - F.F. TOP BOTTOM - SOUTH HALF
	BODY - HORIZONTAL - F.F. TOP BOTTOM - NORTH HALF
	BODY - HORIZONTAL - B.F. AT WINGS
	BODY - HORIZONTAL - B.F SOUTH HALF
	BODY - HORIZONTAL - B.F NORTH HALF
	BODY - TIES
	BODY -TIE UPPER - VERTICAL
	BODY -TIE UPPER - CENTER - HORIZONTAL
	BODY SEAT TIE - VERTICAL
	BODY - HORIZONTAL - SOUTH
	BODY - HORIZONTAL - NORTH
	ABUTMENT ENDS - VERTICAL
	WING 4 - HORIZONTAL - F.F.
	WINGS VERTICAL STIRRUPS
	WING 3 - HORIZONTAL - B.F.
	WING 3 - HORIZONTAL - F.F.
	WING 3 LOWER WING - TOP
	WING 3 LOWER WING - TOP
	WING 4 - HORIZONTAL - B.F.
	WING 4 LOWER WING - TOP
	WING 4 LOWER WING - TOP
	UPPER WING 3 & 4 - VERTICAL
	UPPER WING 3 & 4 - HORIZONTAL
	SW NOTCH - WINGS 3 & 4 - VERTICAL





I.D. 4986-00-58



## 4986-00-59

## NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATIVE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

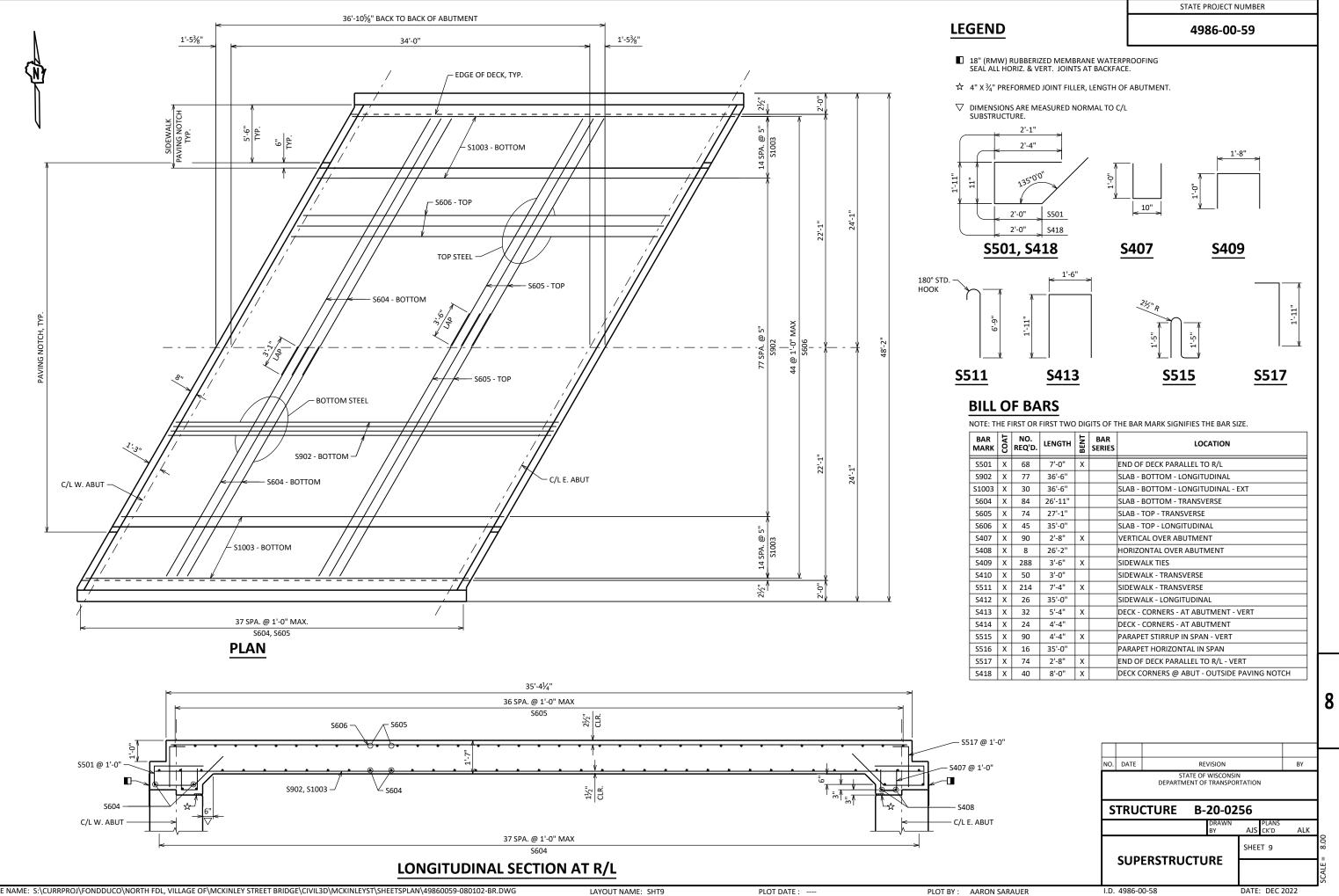
SAW CUTTING JOINT IS NOT ALLOWED.

★ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY ½" DEEP.

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		DETAILS					SCALE =

I.D. 4986-00-58

DATE: DEC 2022



FILE NAME: S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-080102-BR.DWG

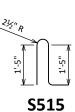
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LAYOUT NAME: SHT9



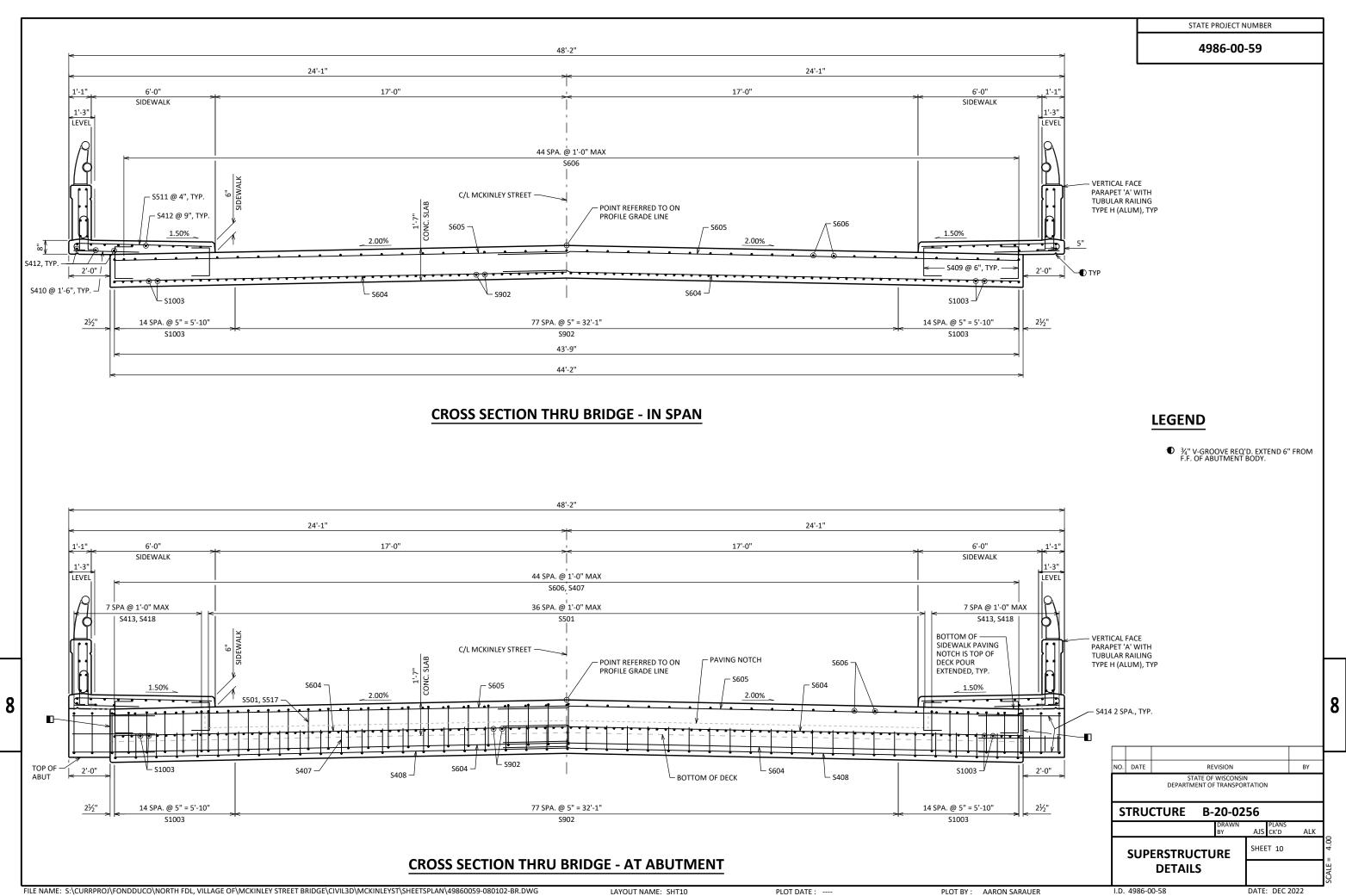








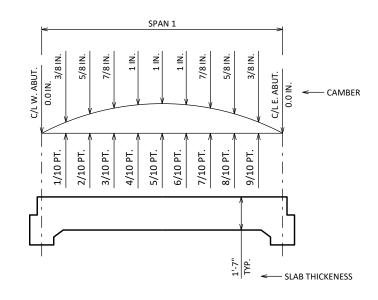
R RK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
1	Х	68	7'-0"	х		END OF DECK PARALLEL TO R/L
2	Х	77	36'-6"			SLAB - BOTTOM - LONGITUDINAL
)3	х	30	36'-6"			SLAB - BOTTOM - LONGITUDINAL - EXT
4	Х	84	26'-11"			SLAB - BOTTOM - TRANSVERSE
5	х	74	27'-1"			SLAB - TOP - TRANSVERSE
6	Х	45	35'-0"			SLAB - TOP - LONGITUDINAL
7	Х	90	2'-8"	Х		VERTICAL OVER ABUTMENT
8	Х	8	26'-2"			HORIZONTAL OVER ABUTMENT
9	х	288	3'-6"	х		SIDEWALK TIES
0	Х	50	3'-0"			SIDEWALK - TRANSVERSE
1	Х	214	7'-4"	Х		SIDEWALK - TRANSVERSE
2	Х	26	35'-0"			SIDEWALK - LONGITUDINAL
3	х	32	5'-4"	х		DECK - CORNERS - AT ABUTMENT - VERT
4	х	24	4'-4"			DECK - CORNERS - AT ABUTMENT
5	Х	90	4'-4"	х		PARAPET STIRRUP IN SPAN - VERT
6	Х	16	35'-0"			PARAPET HORIZONTAL IN SPAN
7	Х	74	2'-8"	х		END OF DECK PARALLEL TO R/L - VERT
8	х	40	8'-0"	х		DECK CORNERS @ ABUT - OUTSIDE PAVING NOTCH

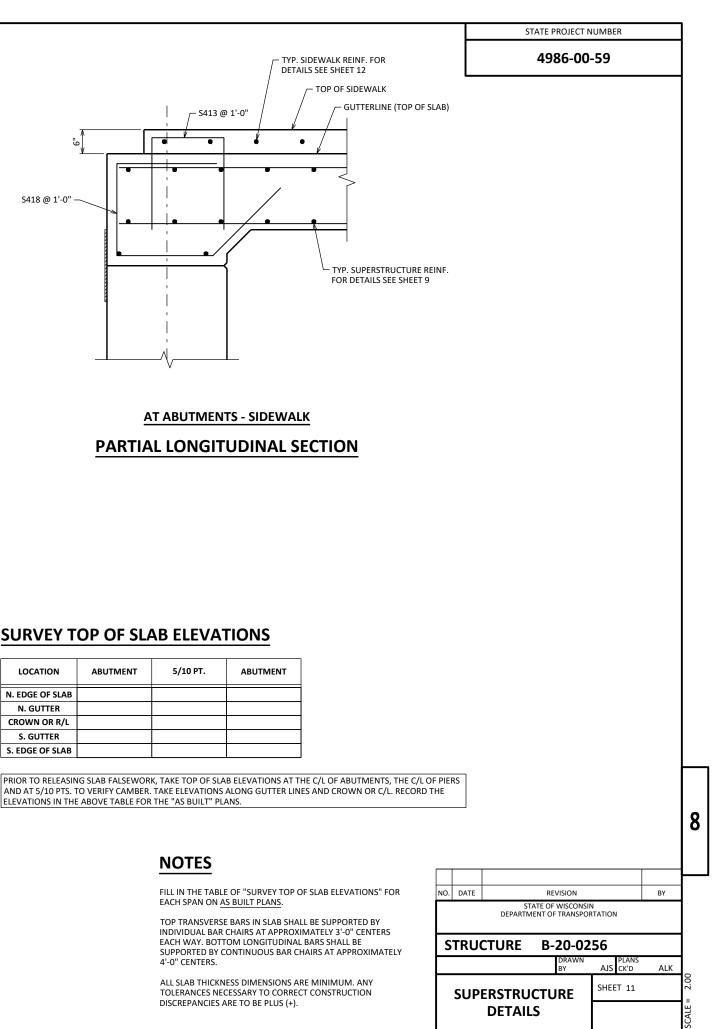


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LAYOUT NAME: SHT10

PLOT DATE : ----





## **CAMBER AND SLAB THICKNESS DIAGRAM**

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT. PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

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

TOP OF SLAB ELEVATION AT FINAL GRADE

LESS SLAB THICKNESS

CAMBER PLUS

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

TOP OF SLAB FALSEWORK ELEVATION EQUALS

## **TOP OF SLAB ELEVATIONS**

SPAN	LOCATION	C/L BRG. W. ABUT.	1/10 PT.	2/10 PT.	3/10 PT.	4/10 PT.	5/10 PT.	6/10 PT.	7/10 PT.	8/10 PT.	9/10 PT.	C/L BRG. E. ABUT.
	N. EDGE OF DECK	767.13	767.11	767.10	767.08	767.06	767.04	767.03	767.01	766.99	766.98	766.96
1	CROWN OR R/L	767.63	767.62	767.60	767.58	767.57	767.55	767.53	767.52	767.50	767.48	767.46
	S. EDGE OF DECK	767.26	767.24	767.22	767.21	767.19	767.17	767.16	767.14	767.12	767.10	767.09

## SURVEY TOP OF SLAB ELEVATIONS

LOCATION	ABUTMENT	5/10 PT.	ABUTMENT
N. EDGE OF SLAB			
N. GUTTER			
CROWN OR R/L			
S. GUTTER			
S. EDGE OF SLAB			

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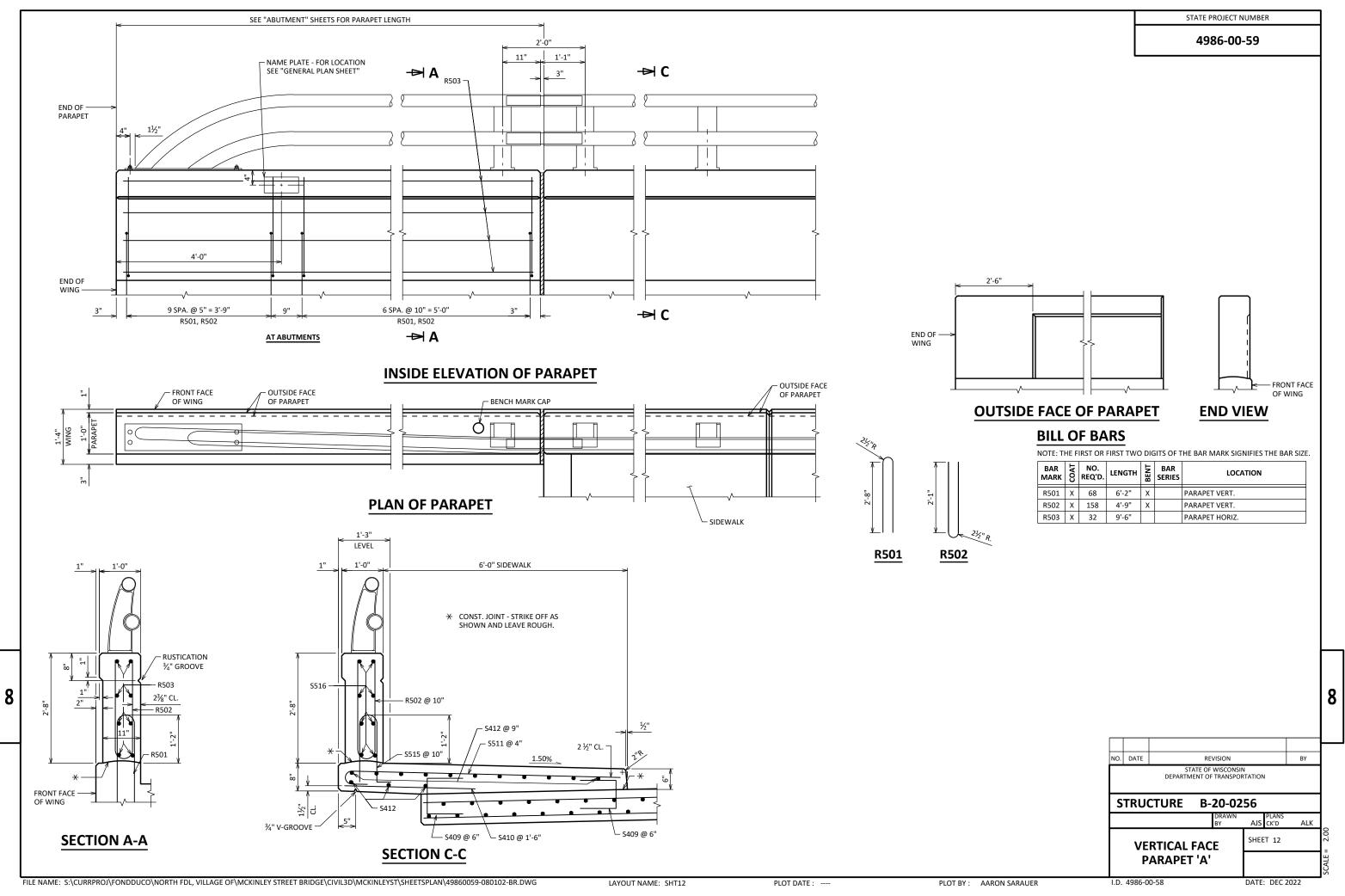
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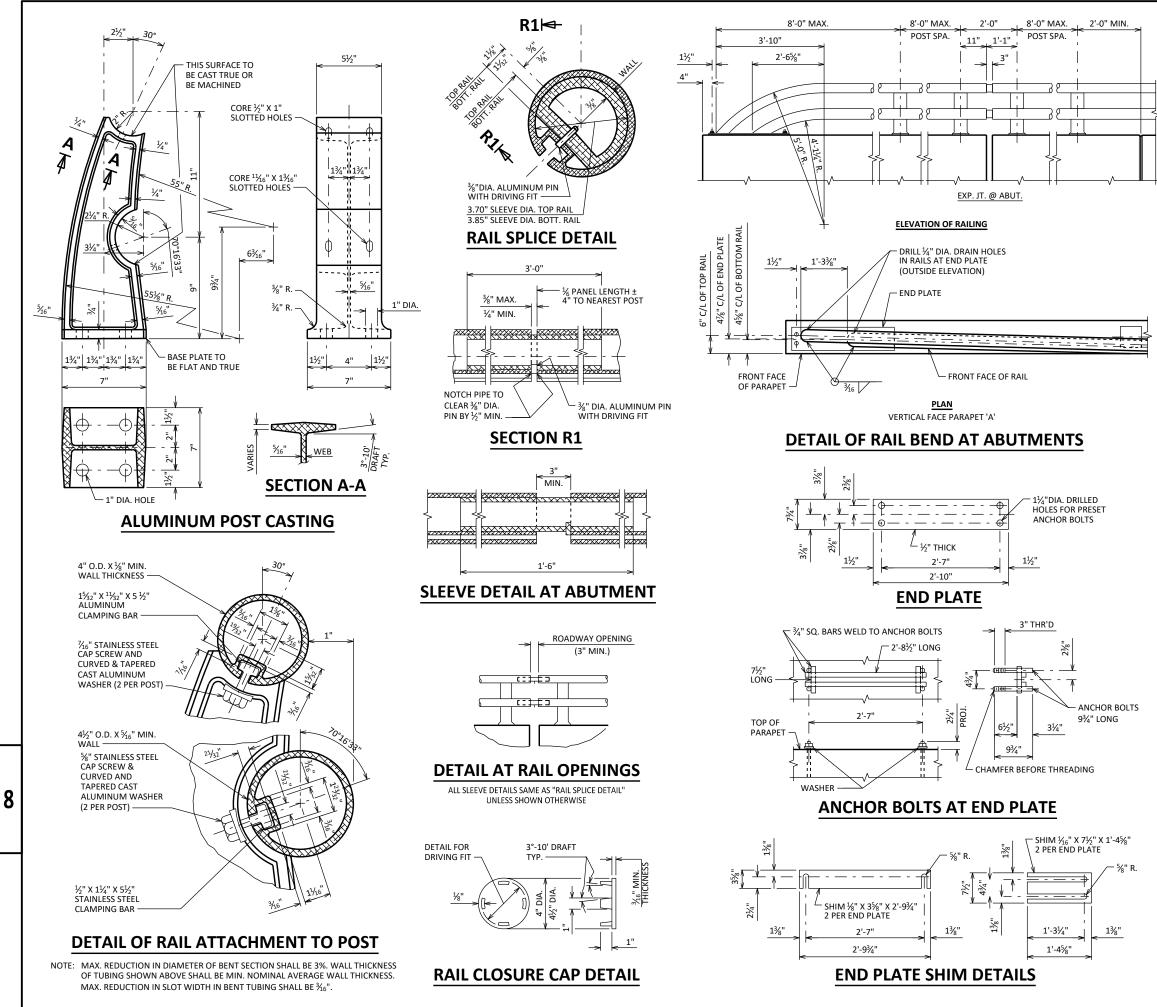
PLOT DATE : ----

PLOT BY : AARON SARAUER

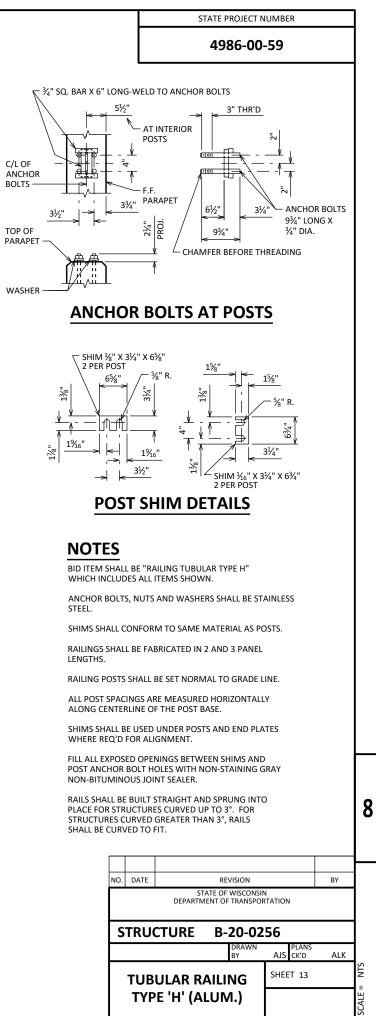
I.D. 4986-00-58

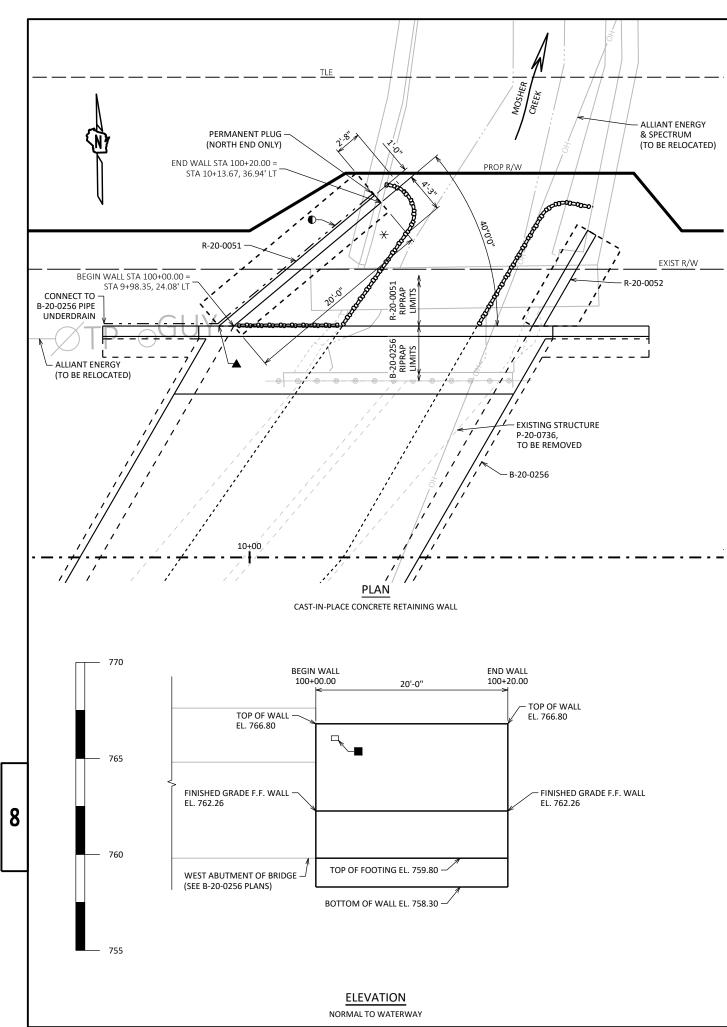
DATE: DEC 2022





FILE NAME: S:\CURRPROJ\FONDDUCO\NORTH FDL, VILLAGE OF\MCKINLEY STREET BRIDGE\CIVIL3D\MCKINLEYST\SHEETSPLAN\49860059-080102-BR.DWG





## **DESIGN DATA**

MATERIAL PROPERTIES:	
CONCRETE MASONRY	f' <sub>c</sub> = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ——	f <sub>y</sub> = 60,000 PSI

## FOUNDATION DATA

FOOTING AT THE RETAINING WALL IS DESIGNED TO PLACE A MINIMUM LOAD OF 1.0 TONS PER SQUARE FOOT ON THE UNDERLYING SOIL. SOILS AT THE RETAINING WALL FOOTING ELEVATIONS ARE ESTIMATED TO HAVE A FACTORED BEARING RESISTANCE OF 2.0 TONS PER SQUARE FOOT.

## **BENCH MARKS**

вм	STA	DESCRIPTION	ELEV
Α	8+13	SOUTHWEST BOLT ON FLANGE OF HYDRANT, 33' LT	771.13
В	11+28	RAILROAD SPIKE IN POWER POLE, 20' RT	768.38

## LEGEND

- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MINIMUM. CONNECT TO B-20-0256 PIPE UNDERDRAIN.
- ▲ 18" MIN. RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND CONTINUOUS BETWEEN STRUCTURES FROM FOOTING TO TOP OF STRUCTURE. (FLUSH WITH FACE OF CONCRETE)
- NAME PLATE LOCATION (SEE "WALL DETAILS" SHEET)
- ★ RIPRAP TO BE PLACED IN COORDINATION WITH BRIDGE (SEE B-20-0256 PLANS)



## TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS
206.3001	EXCAVATION FOR STRUCTURES RETAINING WALLS R-20-0051
210.1500	BACKFILL STRUCTURE TYPE A
504.0500	CONCRETE MASONRY RETAINING WALLS
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES
516.0500	RUBBERIZED MEMBRANE WATERPROOFING
606.0300	RIPRAP HEAVY
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH
645.0120	GEOTEXTILE FABRIC TYPE HR

#### STATE PROJECT NUMBER

4986-00-59

# **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE <sup>3</sup>/<sub>4</sub>" UNLESS OTHERWISE NOTED.

- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.
- SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD  $1_8^{\prime\prime}$  BELOW THE SURFACE OF CONCRETE.
- THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-20-0051" SHALL BE THE EXISTING GROUNDLINE.
- ALL WALL STATIONING AND OFFSETS ARE GIVEN TO THE FRONT FACE OF WALL R-20-0051.
- COORDINATE THE CONSTRUCTION OF RETAINING WALL R-20-0051 WITH THE WEST ABUTMENT OF BRIDGE B-20-0256.
- THE REMOVAL OF THE EXISTING ROCK WALL IS INCIDENTAL TO BID ITEM "203.0220 REMOVING STRUCTURE P-20-0736".
- THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS NECESSARY TO AVOID DAMAGE.
- AT THE BACK FACE OF WALL ALL VOLUME WHICH CANNOT BE PLACED BEFORE WALL CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.
- THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.
- THE VOLUME OF EARTHWORK REQUIRED TO INSTALL THE FOOTING, WALL, AND BACKFILL IS INCIDENTAL TO THE BID ITEM "EXCAVATION FOR STRUCTURES RETAINING WALLS R-20-0051".
- USE MORTAR CONFORMING TO 519.2.3 TO FILL ANY GAPS BETWEEN END OF WALL AND EXISTING ROCK WALL. THIS WORK IS INCIDENTAL TO "CONCRETE MASONRY RETAINING WALLS" BID ITEM.
- PLACE 1/2" FILLER BETWEEN ALL FACES OF WALLS/FOOTINGS AND B-20-0256 STRUCTURE.

## LIST OF DRAWINGS:



2. SUBSURFACE EXPLORATION

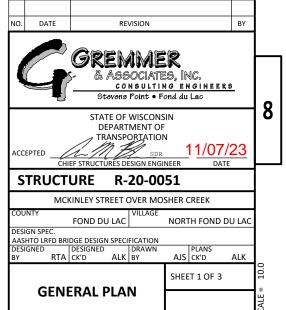


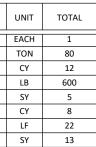


#### STRUCTURE DESIGN CONTACTS:

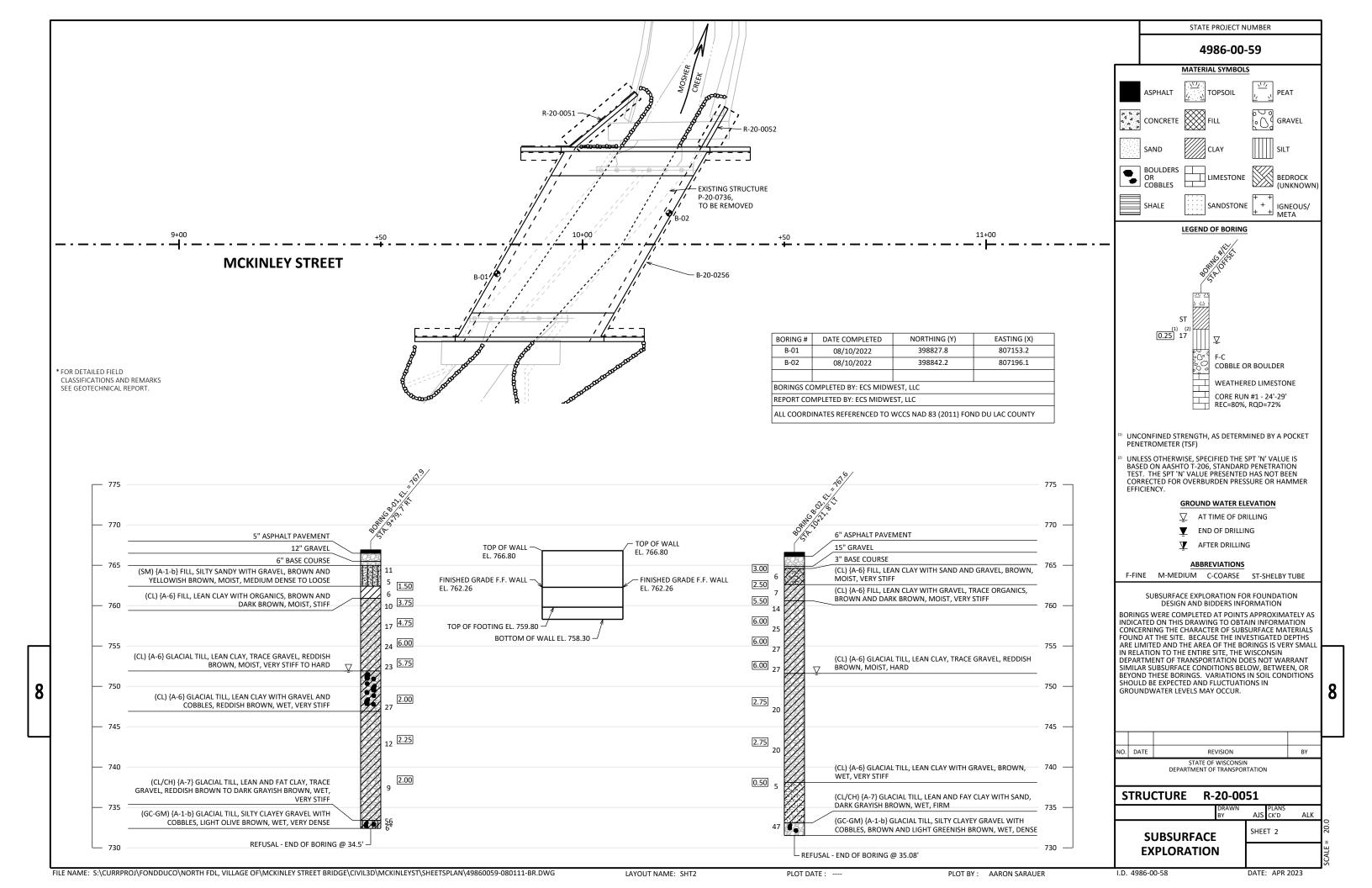
CONSULTANT CONTACT: BRIDGE OFFIC ANDREW KLEMP AARON BONK 920-924-5720 608-261-0261

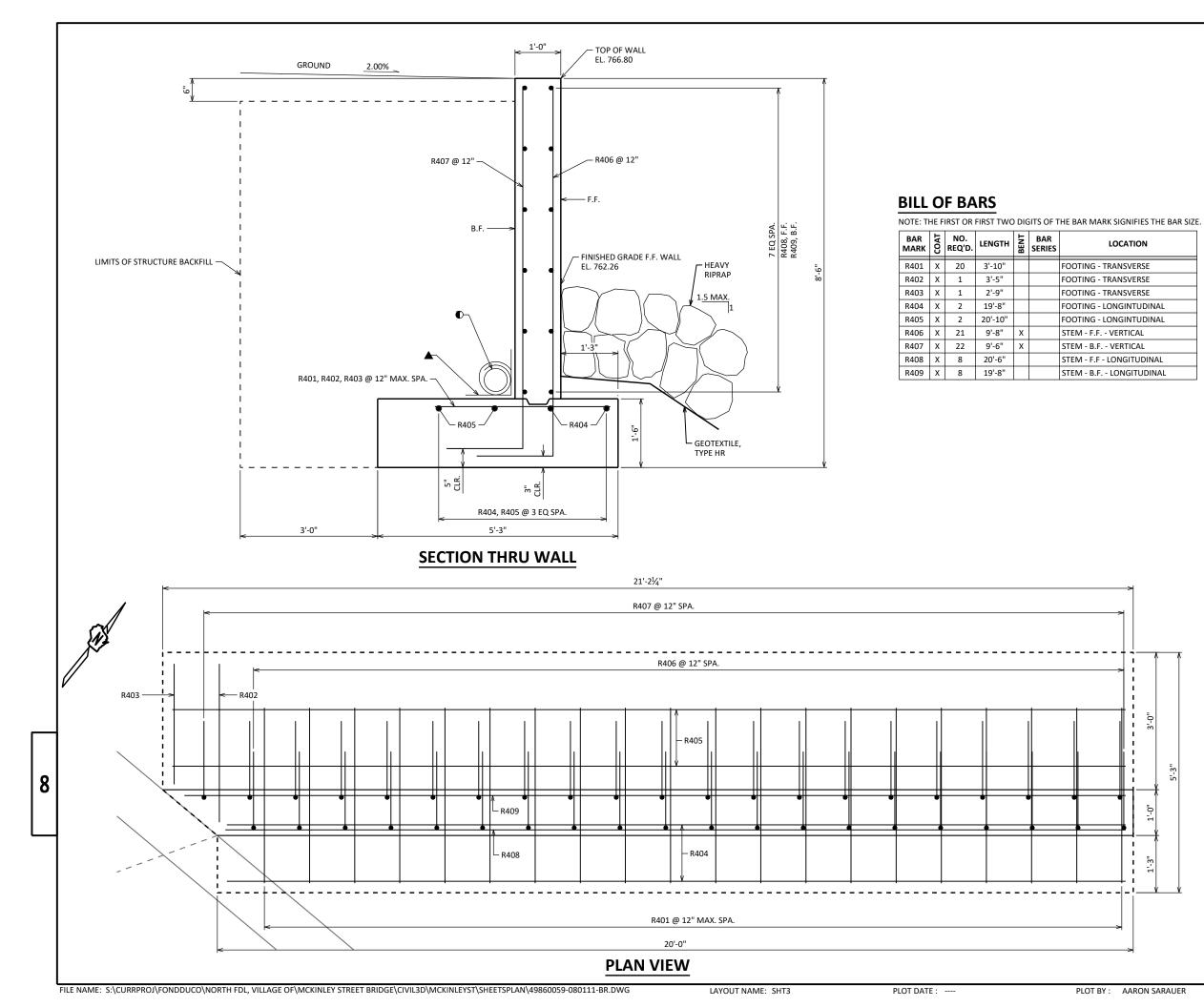
BRIDGE OFFICE CONTACT: AARON BONK 608-261-0261

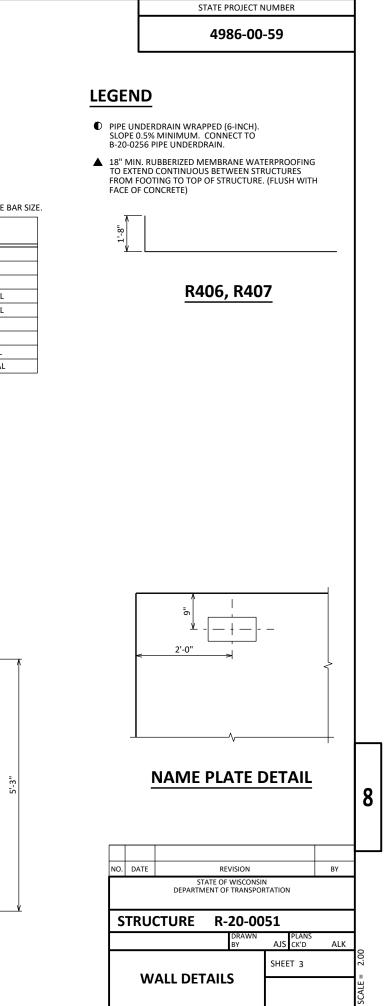




DATE: APR 2023

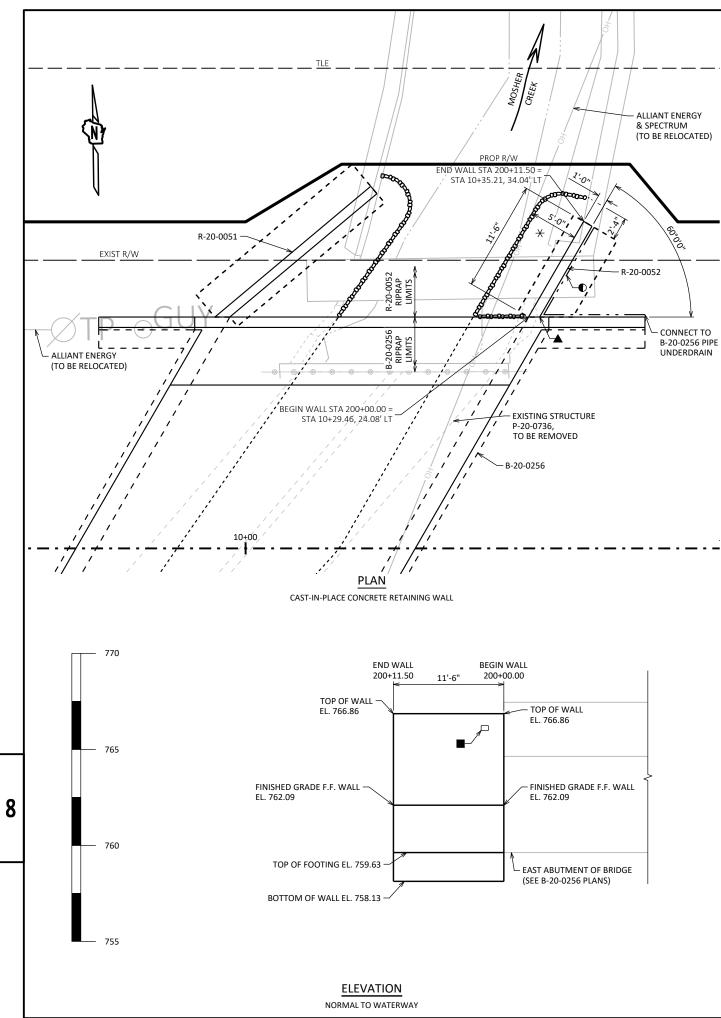






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LOCATION



## **DESIGN DATA**

MATERIAL PROPERTIES:	
CONCRETE MASONRY	f' <sub>c</sub> = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ——	f <sub>y</sub> = 60,000 PSI

## **FOUNDATION DATA**

FOOTING AT THE RETAINING WALL IS DESIGNED TO PLACE A MINIMUM LOAD OF 1.0 TONS PER SQUARE FOOT ON THE UNDERLYING SOIL. SOILS AT THE RETAINING WALL FOOTING ELEVATIONS ARE ESTIMATED TO HAVE A FACTORED BEARING RESISTANCE OF 2.0 TONS PER SQUARE FOOT.

## **BENCH MARKS**

BM	STA	DESCRIPTION	ELEV
Α	8+13	SOUTHWEST BOLT ON FLANGE OF HYDRANT, 33' LT	771.13
В	11+28	RAILROAD SPIKE IN POWER POLE, 20' RT	768.38

## LEGEND

- PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MINIMUM. CONNECT TO B-20-0256 PIPE UNDERDRAIN.
- ▲ 18" MIN. RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND CONTINUOUS BETWEEN STRUCTURES FROM FOOTING TO TOP OF STRUCTURE. (FLUSH WITH FACE OF CONCRETE)
- NAME PLATE LOCATION (SEE "WALL DETAILS" SHEET)
- ★ RIPRAP TO BE PLACED IN COORDINATION WITH BRIDGE (SEE B-20-0256 PLANS)



## **TOTAL ESTIMATED QUANTITIES**

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
206.3001	EXCAVATION FOR STRUCTURES RETAINING WALLS R-20-0052	EACH	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	30
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	7
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	340
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	3
606.0300	RIPRAP HEAVY	CY	6
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	12
645.0120	GEOTEXTILE FABRIC TYPE HR	SY	9

#### STATE PROJECT NUMBER

4986-00-59

# **GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE <sup>3</sup>/<sub>4</sub>" UNLESS OTHERWISE NOTED.

- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED
- THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.
- ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.
- SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 1/8" BELOW THE SURFACE OF CONCRETE.
- THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-20-0052" SHALL BE THE EXISTING GROUNDLINE
- ALL WALL STATIONING AND OFFSETS ARE GIVEN TO THE FRONT FACE OF WALL R-20-0052.
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- THE REMOVAL OF THE EXISTING ROCK WALL IS INCIDENTAL TO BID ITEM "203.0220 REMOVING STRUCTURE P-20-0736".
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- PLACE 1/2" FILLER BETWEEN ALL FACES OF WALLS/FOOTINGS AND B-20-0256 STRUCTURE.

## LIST OF DRAWINGS:

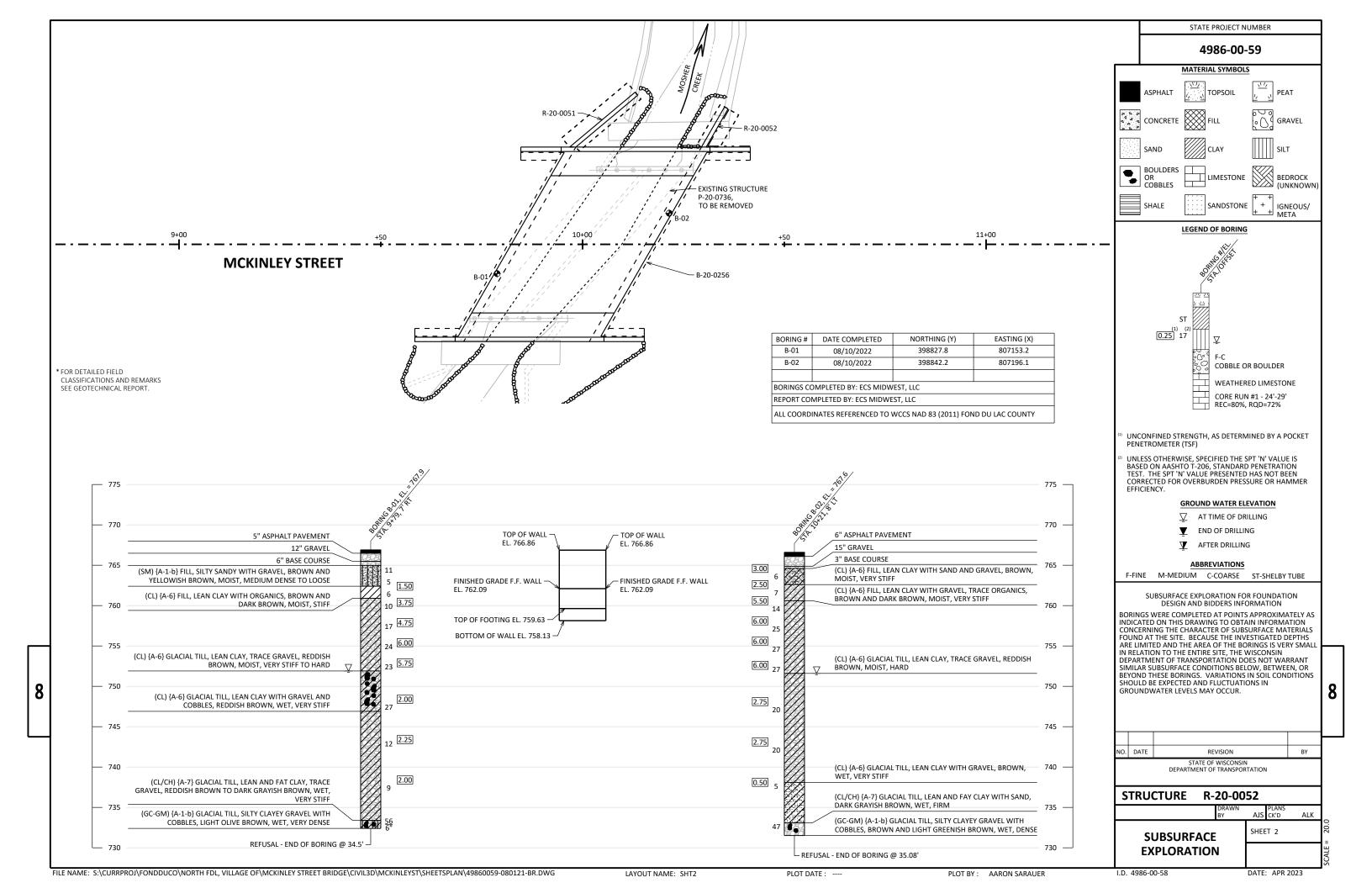
- GENERAL PLAN 1
- 2. SUBSURFACE EXPLORATION
- WALL DETAILS

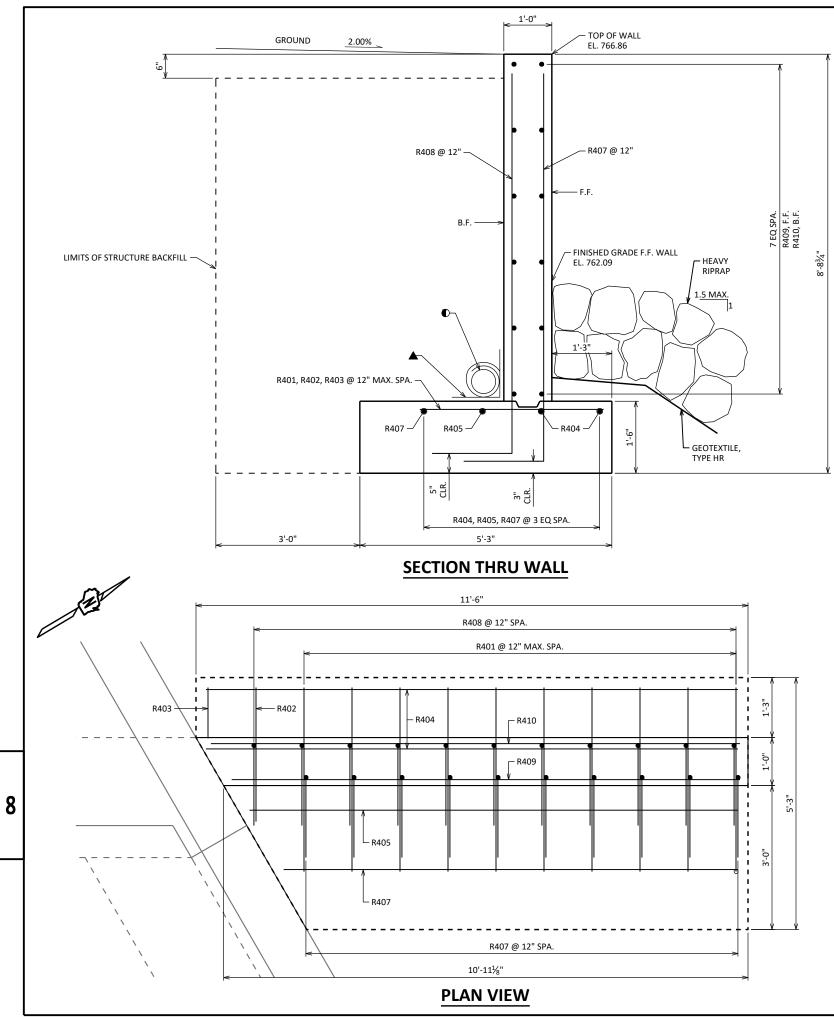


	STRUCTUR	RE DESIGI		TACTS:				
	CONSULTA ANDREW H 920-924-5	KLEMP	FACT:	BRIDG AARO 608-26	N BON		CT:	
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I.D. 4986-00-58

DATE: APR 2023

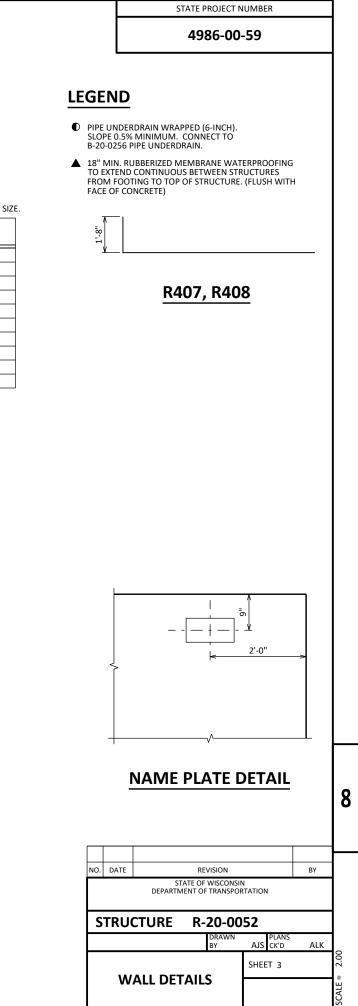




## **BILL OF BARS**

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

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
R401	Х	10	3'-10"			FOOTING - TRANSVERSE
R402	Х	1	3'-0"			FOOTING - TRANSVERSE
R403	Х	1	1'-4"			FOOTING - TRANSVERSE
R404	Х	2	11'-2"			FOOTING - LONGINTUDINAL
R405	Х	1	10'-4"			FOOTING - LONGINTUDINAL
R406	Х	1	9'-7"			FOOTING - LONGINTUDINAL
R407	Х	13	9'-10"	х		STEM - F.F VERTICAL
R408	Х	12	9'-8"	х		STEM - B.F VERTICAL
R409	х	8	11'-0"			STEM - F.F - LONGITUDINAL
R410	Х	8	10'-8"			STEM - B.F LONGITUDINAL



STATION REAL STATION				ARE	A (SF)	INCREMENTAL VOL	(CY) (UNADJUSTED)		CUMULATIVE VOL (C
	DISTANCE			СИТ	FILL	CUT	EXPANDED FILL		
			CUT	FILL			1.00	1.30	
					NOTE 1	NOTE 3	NOTE 1		
08+69	869.00	0.00	78.30	1.74	0	0	0	0	
08+75	875.00	6.00	78.97	0.96	17	0	17	0	
09+00	900.00	25.00	73.92	3.42	71	2	88	3	
09+25	925.00	25.00	76.36	0.72	70	2	158	5	
09+50	950.00	25.00	80.11	0.71	72	1	230	7	
09+75	975.00	25.00	64.05	7.82	67	4	297	12	
09+81.557	981.56	6.56	73.03	0.00	17	1	314	13	

			AREA (SF)		INCREMENTAL VOL	(CY) (UNADJUSTED)	CUMULATIVE VOL (CY)		
STATION	REAL STATION	DISTANCE			CUT FIL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
STATION	REAL STATION	DISTANCE	CUT	FILL			1.00	1.30	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
10+18.443	1018.44	0.00	75.07	0.00	0	0	0	0	0
10+25	1025.00	6.56	70.79	0.07	18	0	18	0	18
10+50	1050.00	25.00	93.40	0.07	76	0	94	0	94
10+75	1075.00	25.00	100.97	0.00	90	0	184	0	184
11+00	1100.00	25.00	102.53	0.00	94	0	278	0	278
11+25	1125.00	25.00	100.42	0.00	94	0	372	0	372
11+50	1150.00	25.00	176.98	0.00	128	0	500	0	500
11+75	1175.00	25.00	168.79	0.00	160	0	660	0	660
12+00	1200.00	25.00	105.67	1.13	127	1	787	1	786
12+14	1214.00	14.00	90.86	1.45	51	1	838	3	835

Notes:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
8 - MASS ORDINATE	MASS ORDINATE = CUT - EXPANDED FILL

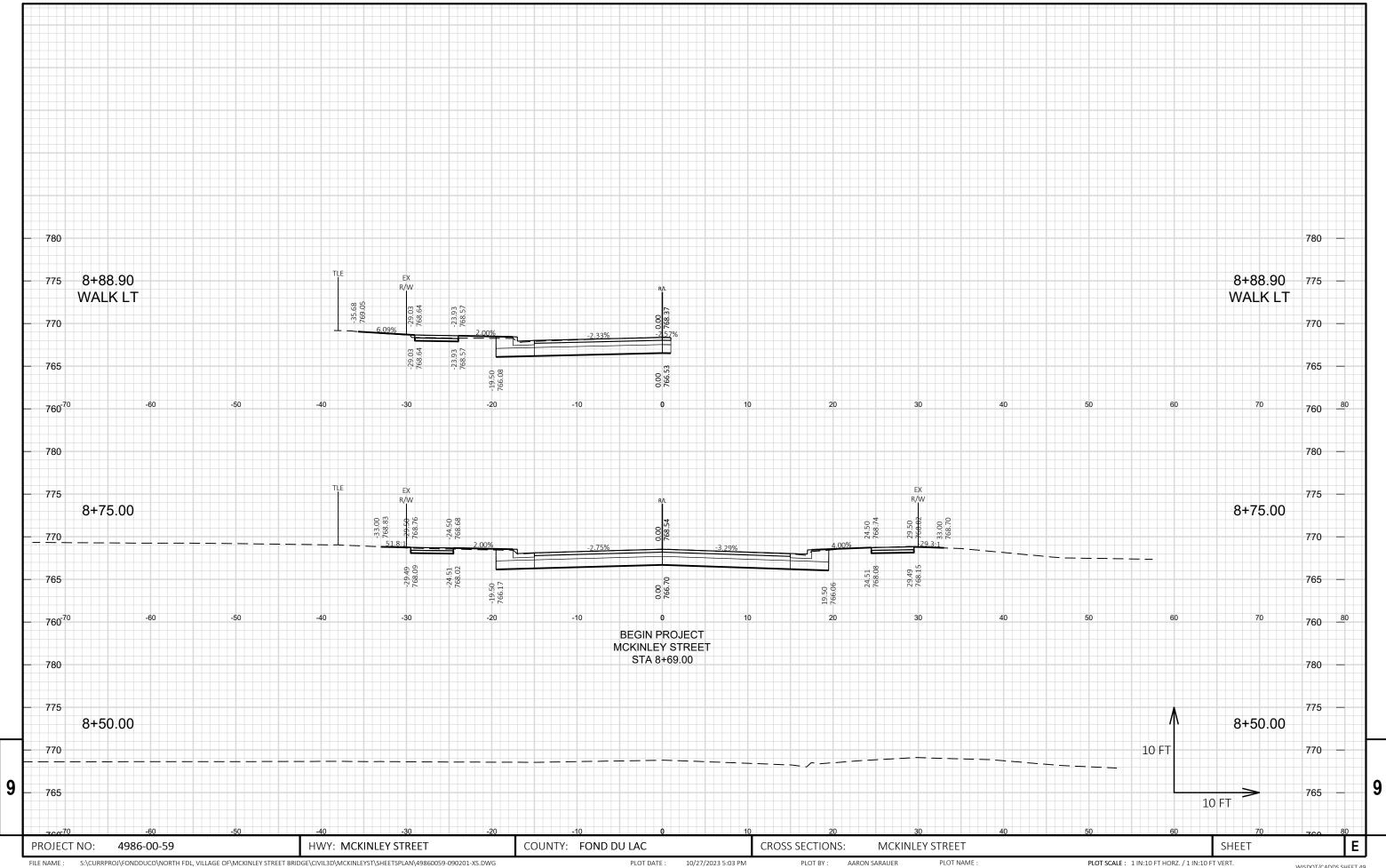
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FILE NAME : 49860059-090101-ew.ppt		PLOT DATE: 11/1/2023 4:09 PM	PLOT BY : gaajs

9

(CY)	
1	
-	MASS ORDINATE
	MASS ONDINATE
	NOTE 8
	0
	17
	85
	153
	224
	285
	301

9

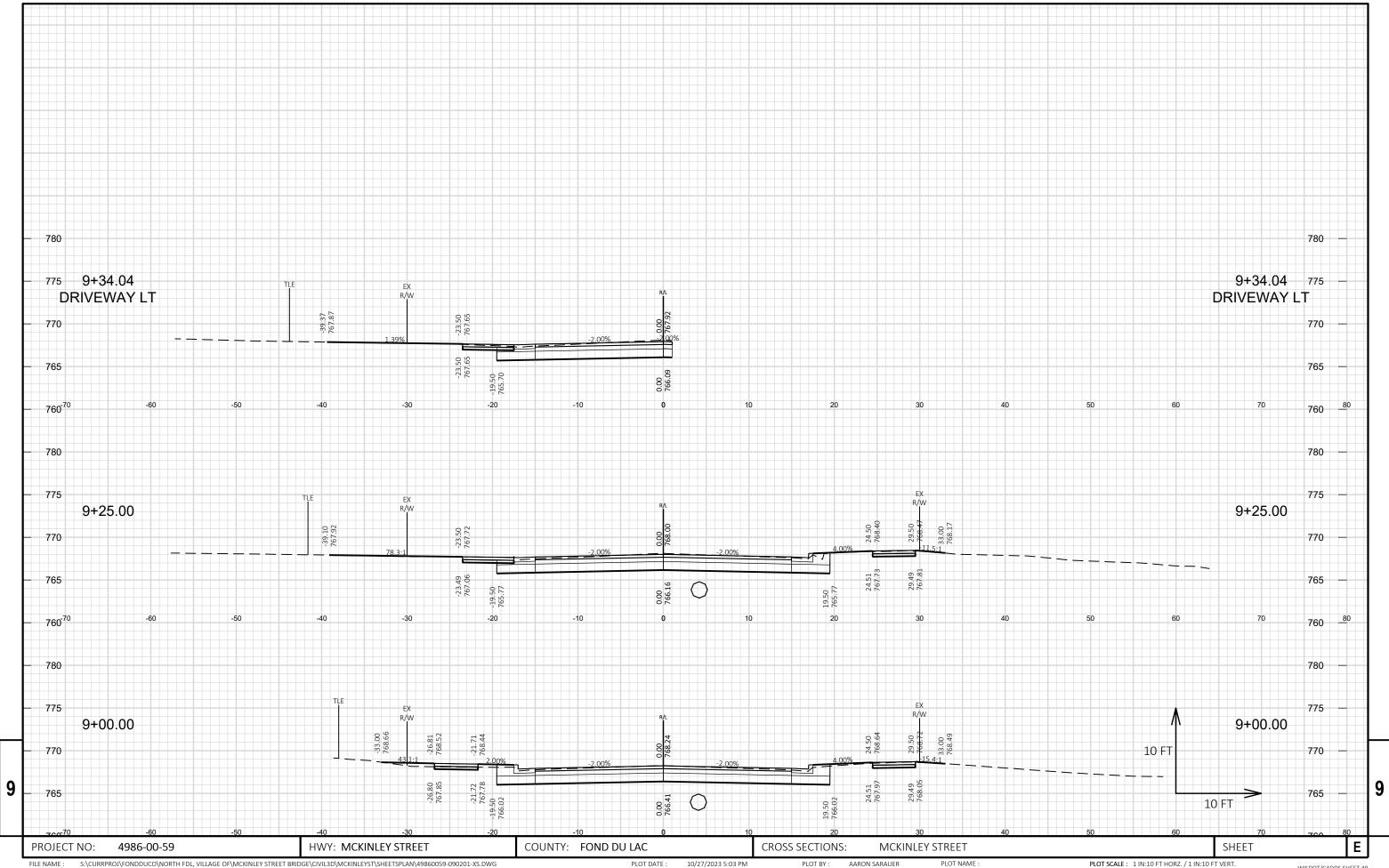
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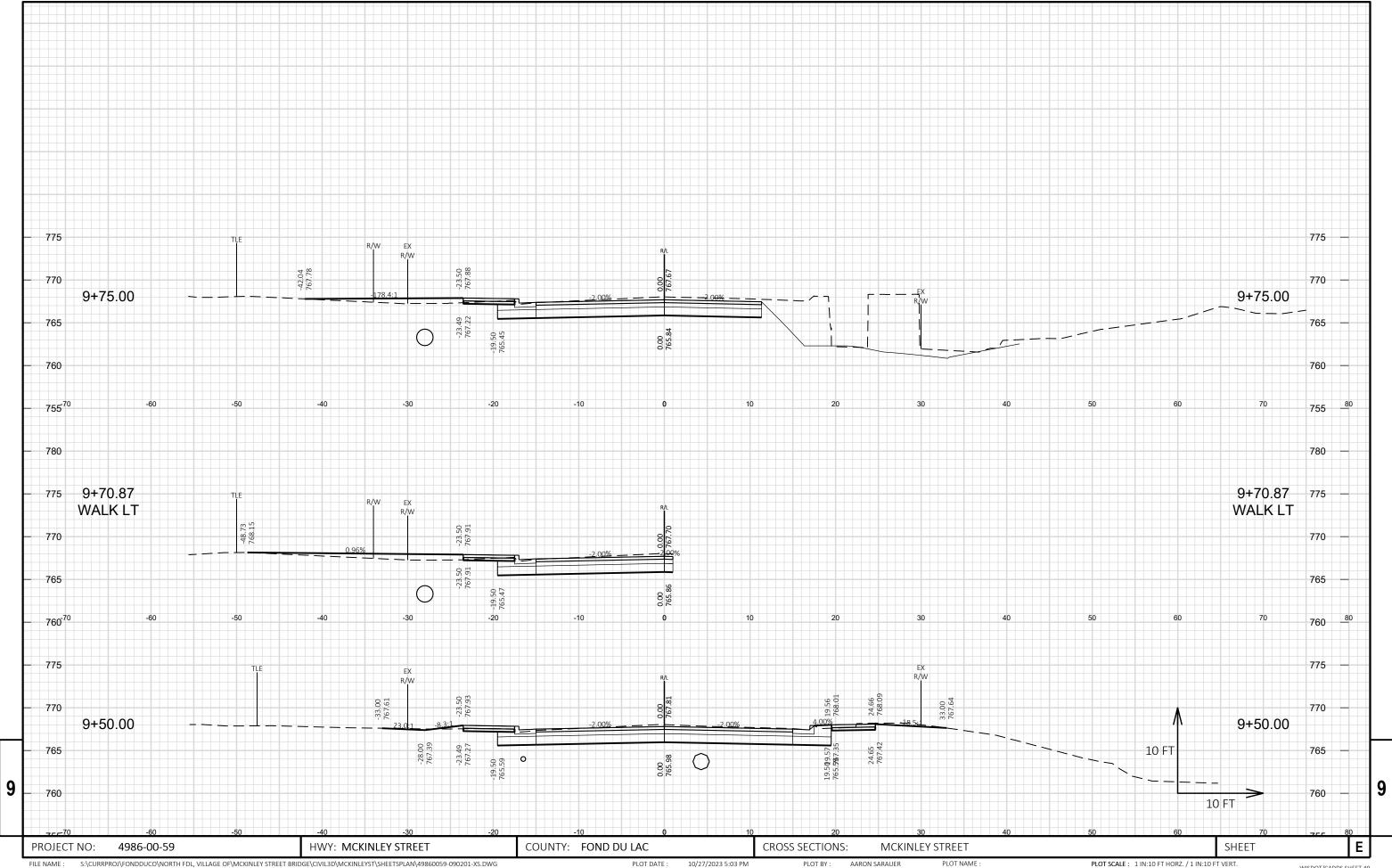
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WISDOT/CADDS SHEET 49

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

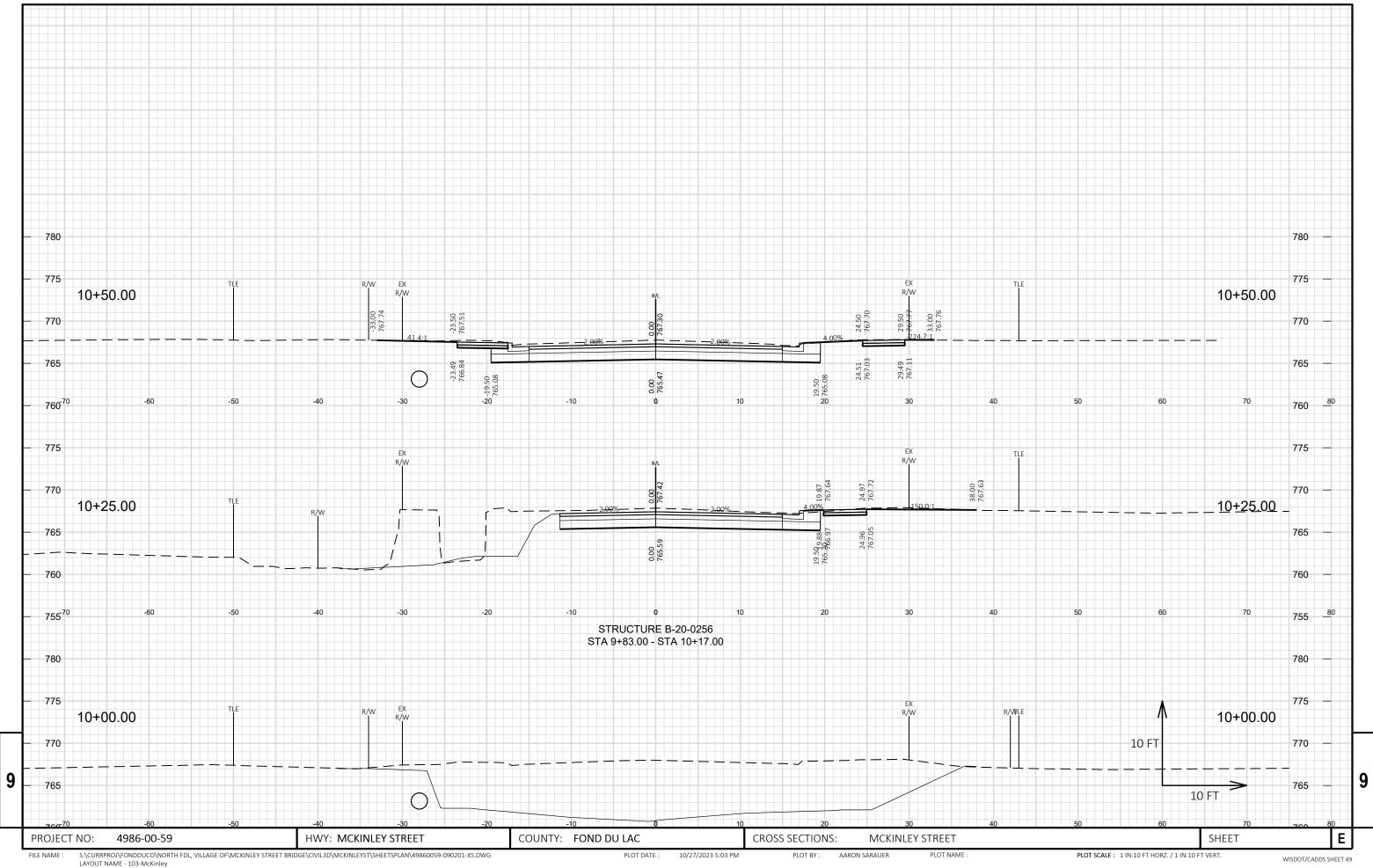


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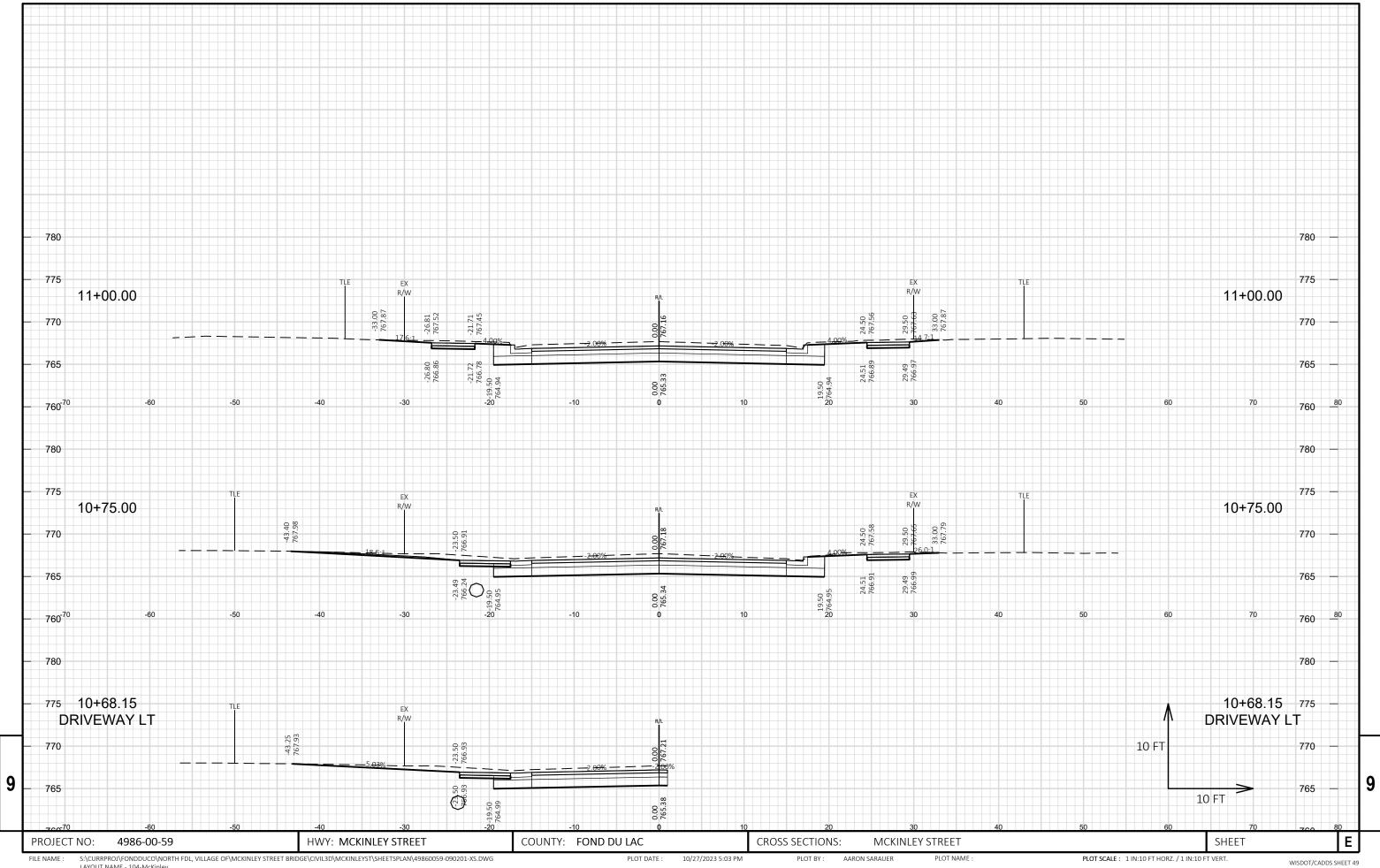
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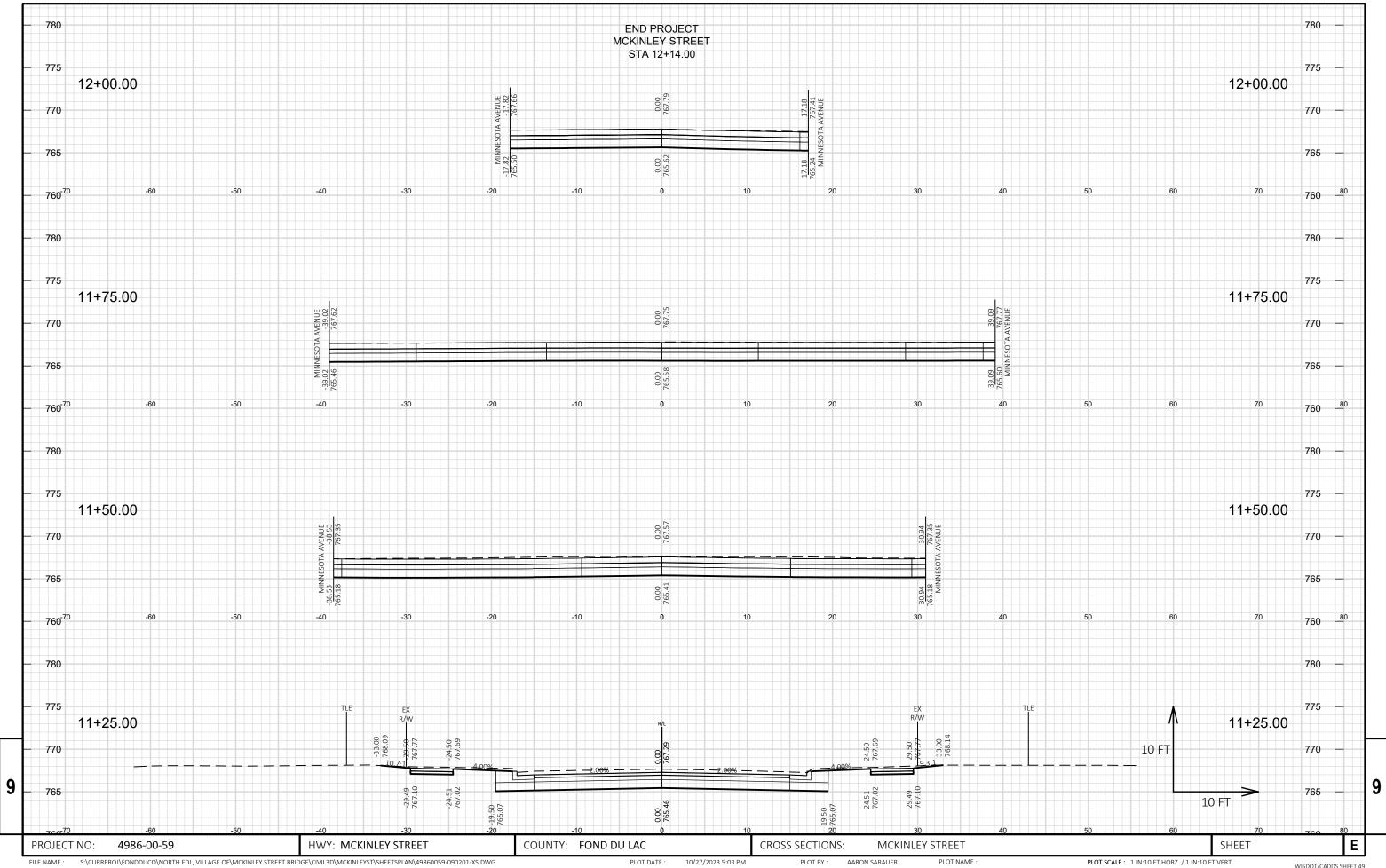
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WISDOT/CADDS SHEET 49



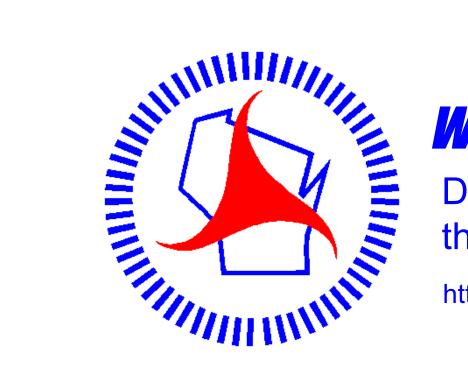




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WISDOT/CADDS SHEET 49

# Notes



# Wisconsin Department of Transportation

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