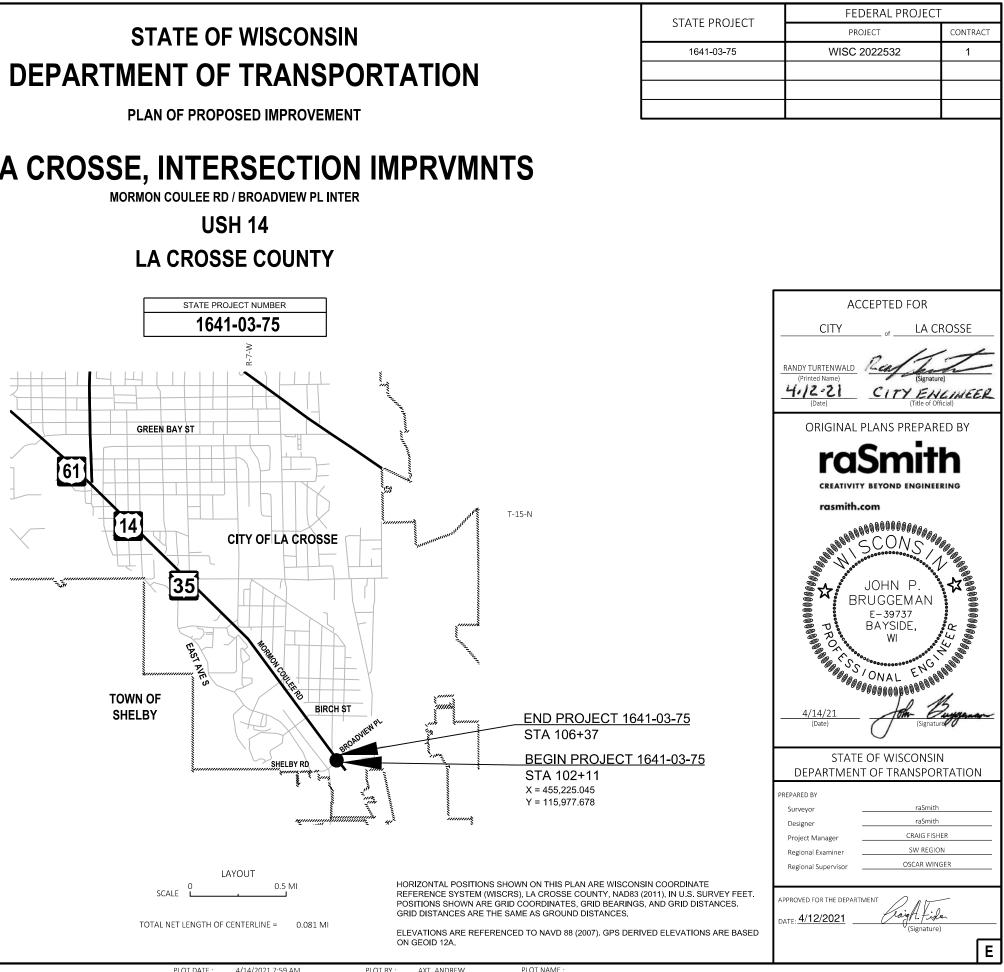


STATE OF WISCONSIN

C LA CROSSE, INTERSECTION IMPRVMNTS



FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\010101-TI.DWG

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AXT. ANDREW

DESIGN CONSULTANT

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GENERAL NOTES

- 1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
- 2. ALL OPENINGS BELOW SUBGRADE, RESULTING FROM REMOVALS OR ABANDONMENTS, SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 204 OF THE STANDARD SPECS. BACKFILL MATERIAL SHALL BE INCIDENTAL TO CONSTRUCTION.
- 3. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- 4. CURB AND GUTTER GRADES ARE MEASURED AT THE FLANGE LINE UNLESS OTHERWISE NOTED. CURB AND GUTTER STATIONS, OFFSETS, AND RADII ARE MEASURED AT THE FACE OF CURB UNLESS OTHERWISE NOTED.
- 5. EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICES ARE NO LONGER REQUIRED.
- 6. THE LIMITS OF SIDEWALK AND CURB & GUTTER REMOVALS ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER.
- 7. REMOVAL OF EXISTING SIGNS AND INSTALLATION OF PERMANENT SIGNS TO BE COMPLETED BY THE CITY OF LA CROSSE. CONTACT STEPHANIE SWARD AT LEAST 14 CALENDAR DAYS PRIOR TO THE ANTICIPATED PROJECT START DATE AND COMPLETION DATE TO COORDINATE EXISTING SIGN REMOVAL AND PERMANENT SIGN INSTALLATION, RESPECTIVELY.

PROJECT NO: 1641-03-75	HWY: USH 14	COUNTY: LA CROSSE		GENERAL NOTE	S & PROJECT CO	ONTACTS
FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\020101-GN.DW LAYOUT NAME - 01	G	PLOT DATE :	5/2/2022 9:27 AM	PLOT BY :	AXT, ANDREW	PLOT NAME :

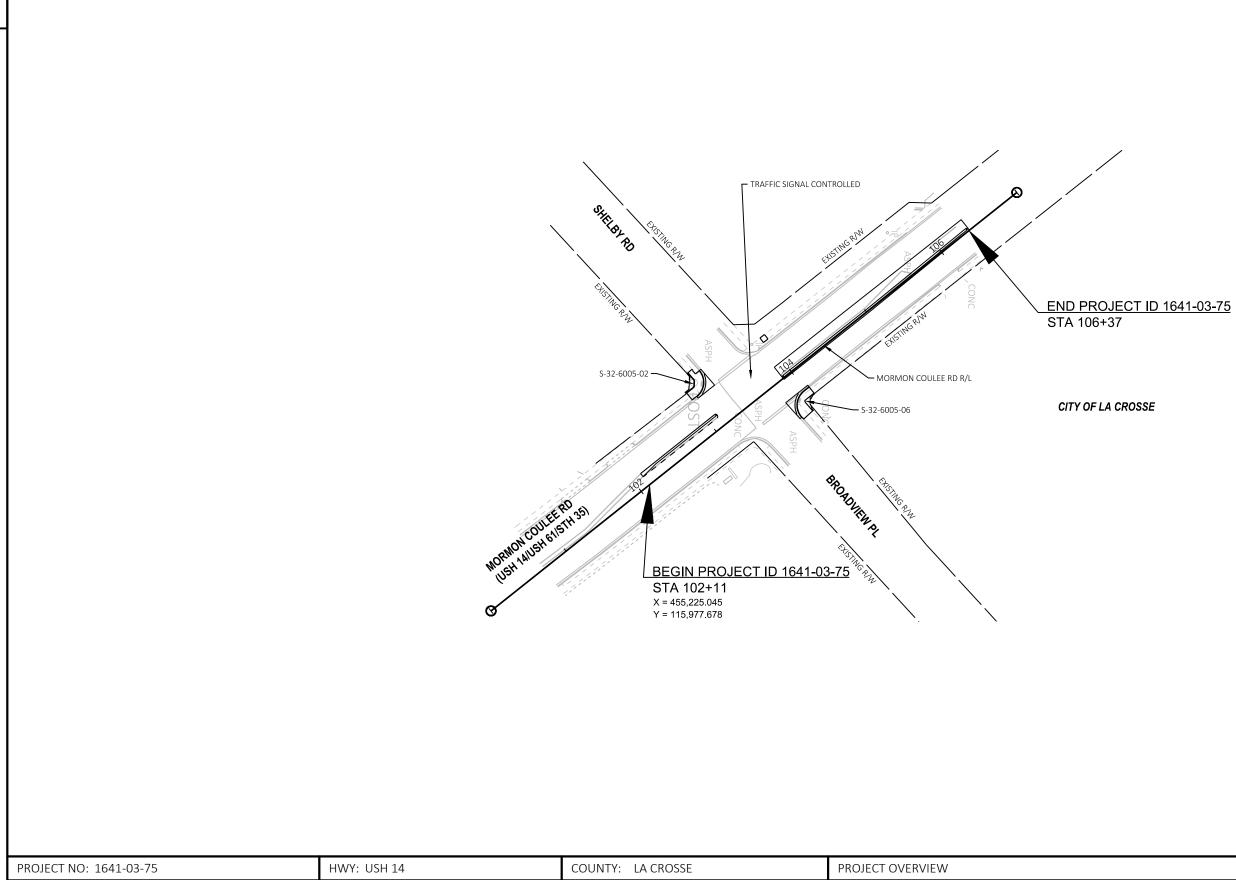
ORDER OF SECTION 2 SHEETS

GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PLAN DETAILS PAVEMENT DETAILS CURB RAMP DETAILS UTILITY DETAILS TRAFFIC SIGNAL REMOVAL TRAFFIC SIGNAL TEMPORARY TRAFFIC SIGNAL PERMANENT PAVEMENT MARKING TRAFFIC CONTROL



SHEET

WISDOT/CADDS SHEET 42



FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\020201-PO.DWG LAYOUT NAME - 01

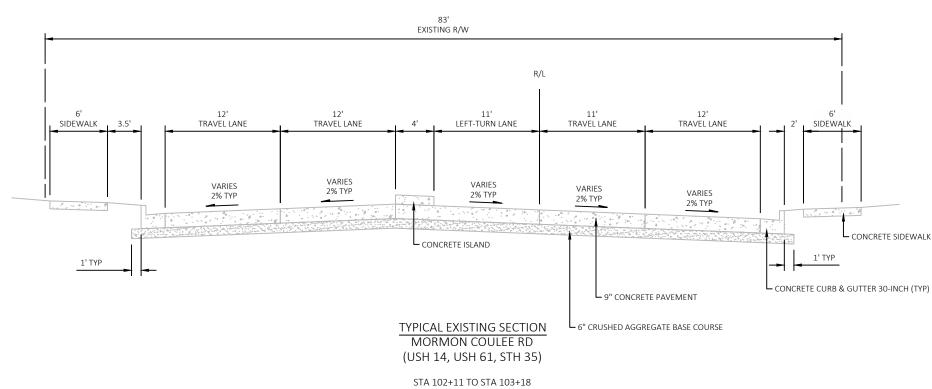
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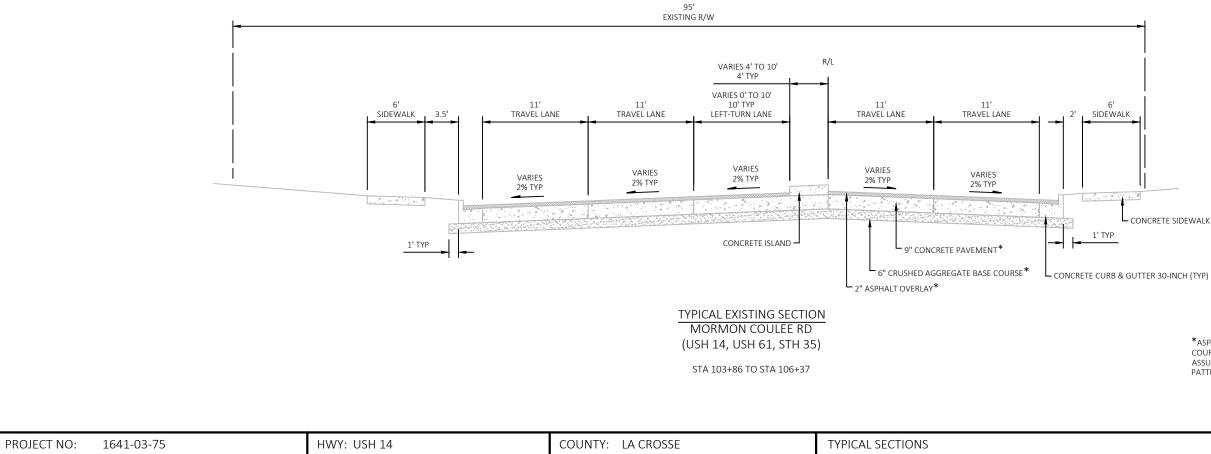
PLOT DATE : 4/29/2022 7:31 AM PLOT BY : AXT, ANDREW PLOT NAME :

2

PLOT SCALE : ############

WISDOT/CADDS SHEET 42





T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\020301-TS.DWG LAYOUT NAME - 01 FILE NAME :

PLOT BY : AXT, ANDREW PLOT DATE : 4/29/2022 7:32 AM

PLOT NAME :

CONCRETE SIDEWALK 5-INCH (TYP)

CONCRETE SIDEWALK 5-INCH (TYP)

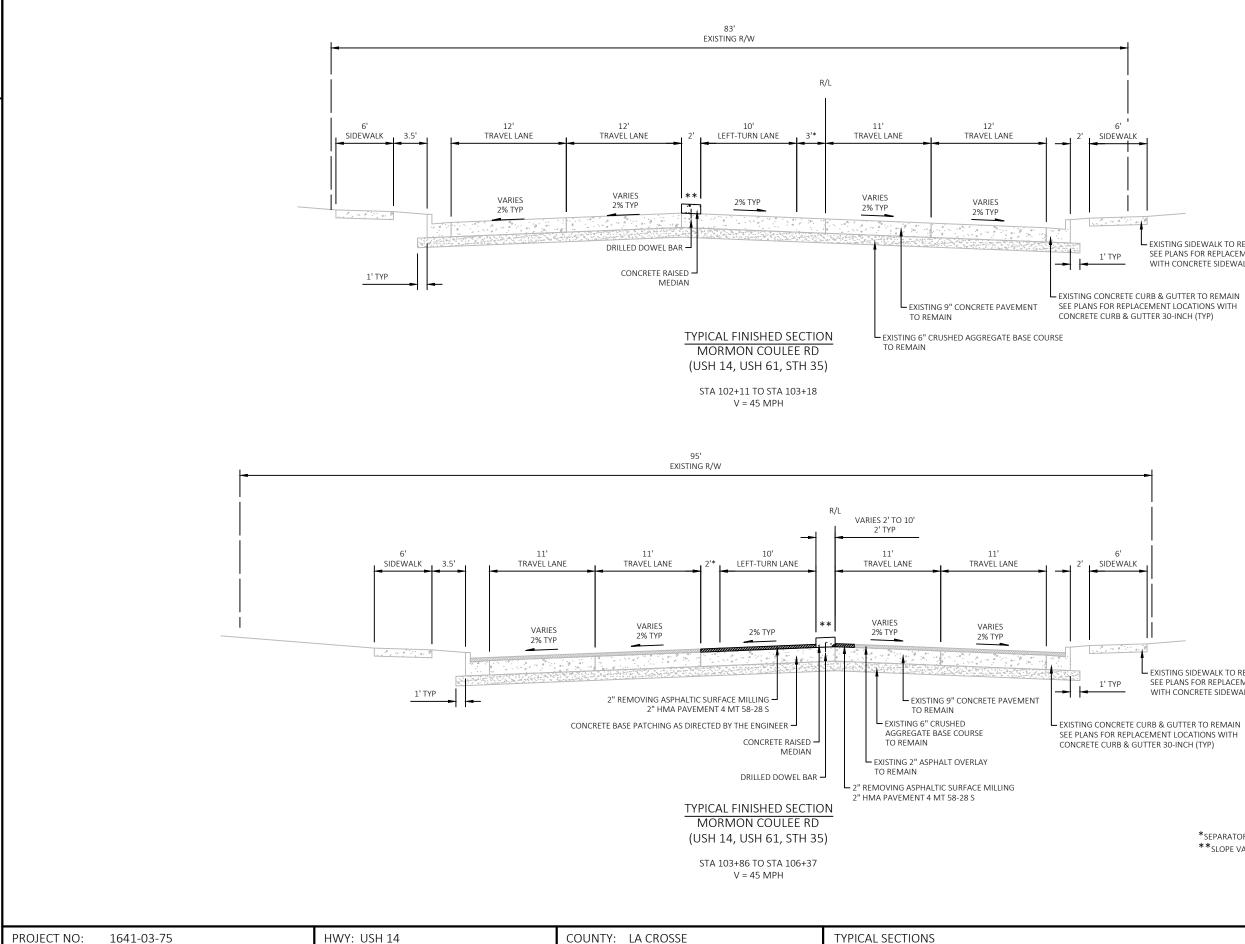
*ASPHALT OVERLAY THICKNESS AND CRUSHED AGGREGATE BASE COURSE THICKNESS ASSUMED; UNDERLYING CONCRETE PAVEMENT ASSUMED BASED ON FIELD REVIEW OF ASPHALT OVERLAY CRACKING PATTERNS. AS-BUILTS NOT AVAILABLE.

SHEET

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

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T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\020301-TS.DWG LAYOUT NAME - 04 FILE NAME :

2

PLOT DATE : 4/29/2022 7:32 AM AXT, ANDREW PLOT BY :

PLOT NAME :

EXISTING SIDEWALK TO REMAIN SEE PLANS FOR REPLACEMENT LOCATIONS WITH CONCRETE SIDEWALK 5-INCH (TYP)

SEE PLANS FOR REPLACEMENT LOCATIONS WITH CONCRETE CURB & GUTTER 30-INCH (TYP)

– EXISTING SIDEWALK TO REMAIN SEE PLANS FOR REPLACEMENT LOCATIONS WITH CONCRETE SIDEWALK 5-INCH (TYP)

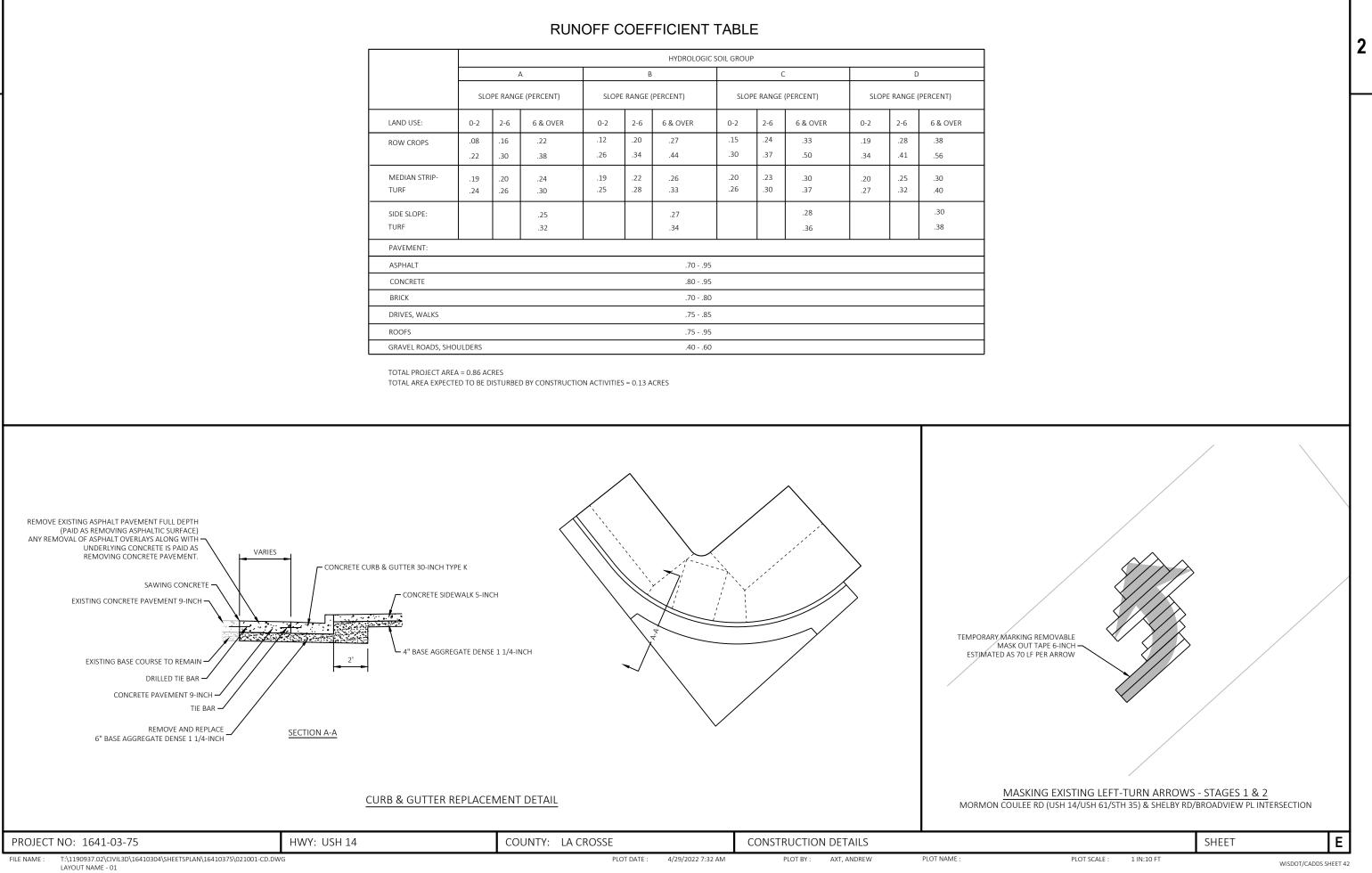
*SEPARATOR WIDTH TO BE PAVEMENT MARKED. **SLOPE VARIES -3% TO +4%.

PLOT SCALE : 1 IN:10 FT SHEET

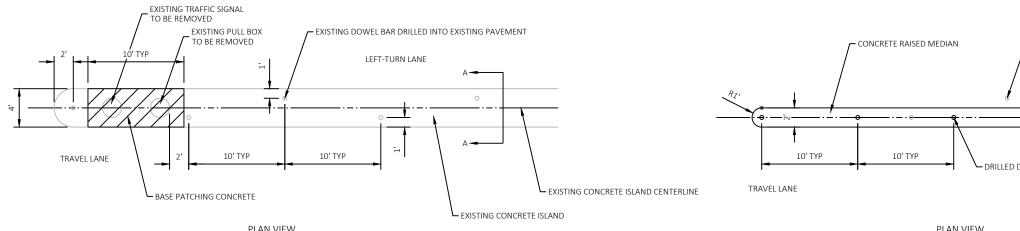
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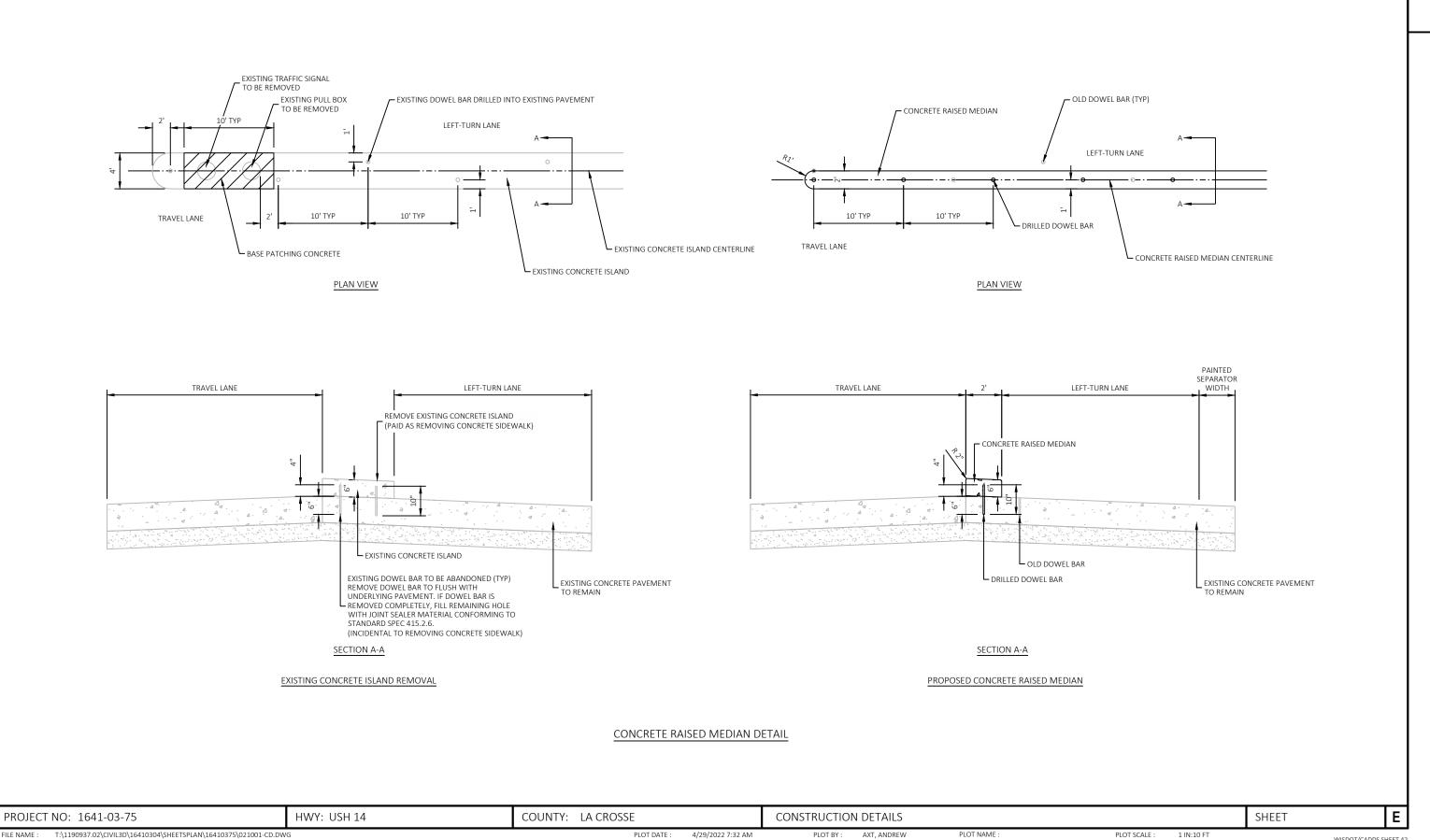
2

						HYDROLOGIC S	OIL GROUP					
		/	ł		В			C			D)
	SLO	PE RANG	E (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- TURF										.30 .40		
SIDE SLOPE: TURF	.25 .27 .28 .30 .32 .34 .36 .38											
PAVEMENT:												
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS						.7585						
ROOFS						.7595						
GRAVEL ROADS, SHOU	JLDERS					.4060						



PLOT DATE : 4/29/2022 7:32 AM PLOT BY : PLOT NAME :





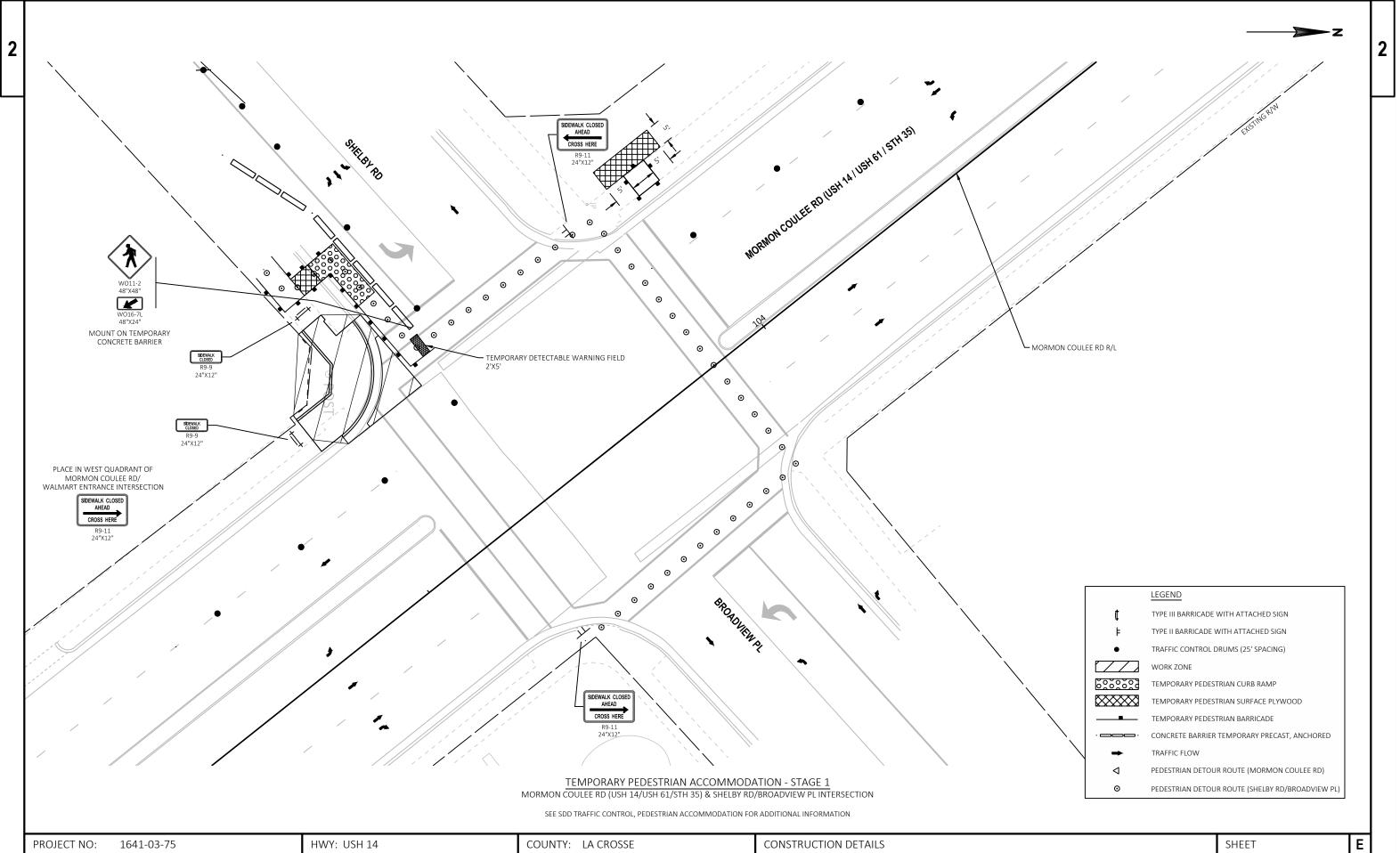
T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\021001-CD.DWG LAYOUT NAME - 02 FILE NAME :

PLOT DATE : 4/29/2022 7:32 AM PLOT BY :

PLOT NAME : AXT, ANDREW

2

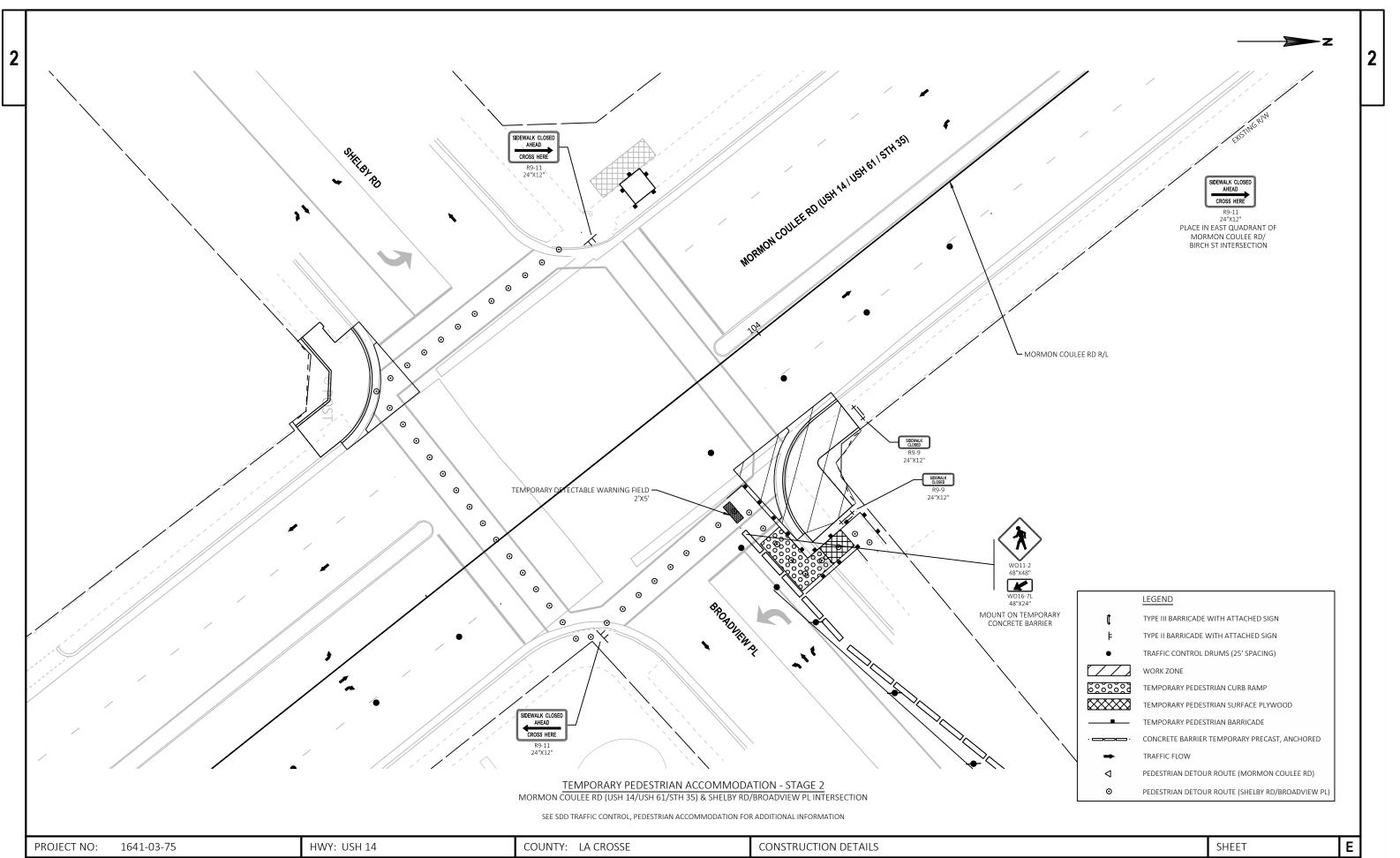
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PLOT DATE : 4/29/2022 7:32 AM PLOT BY : AXT, ANDREW

PLOT NAME :

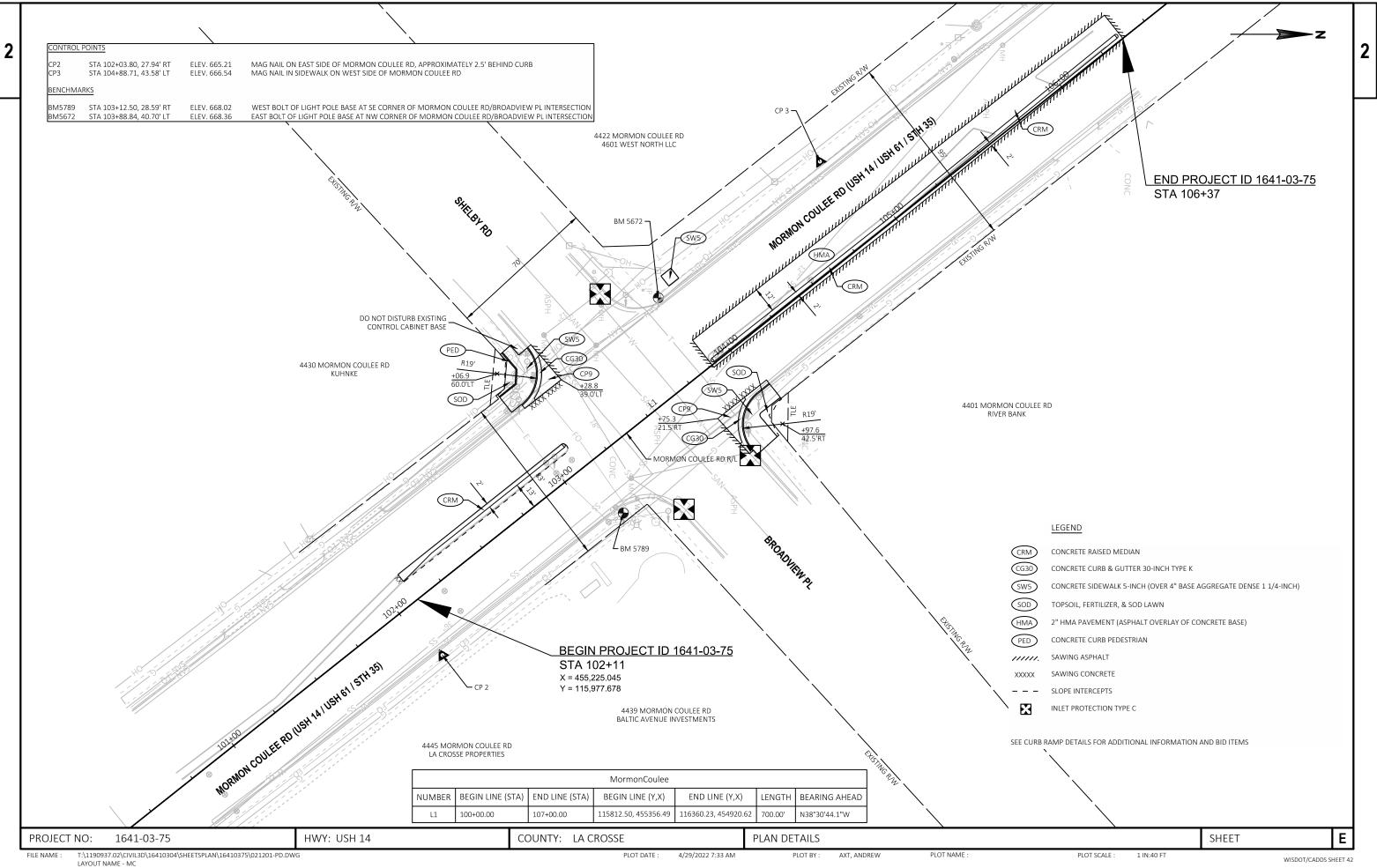
PLOT SCALE : 1 IN:20 FT



PLOT DATE : 4/29/2022 7:33 AM PLOT BY : AXT, ANDREW

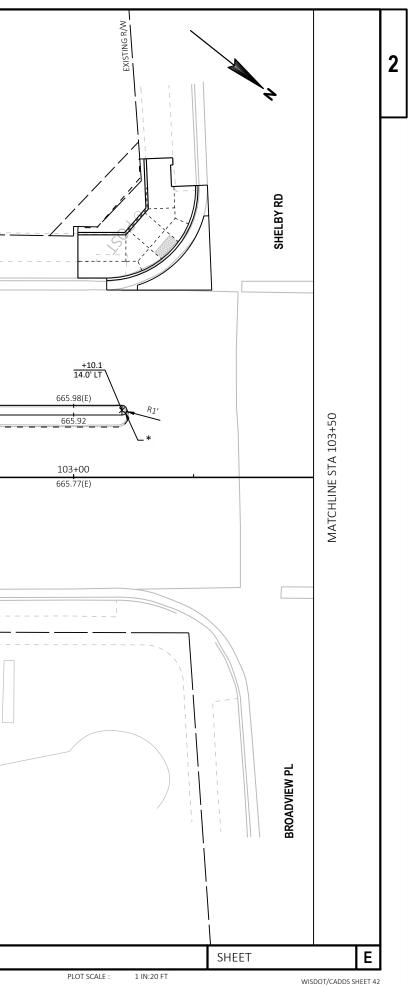
PLOT NAME :

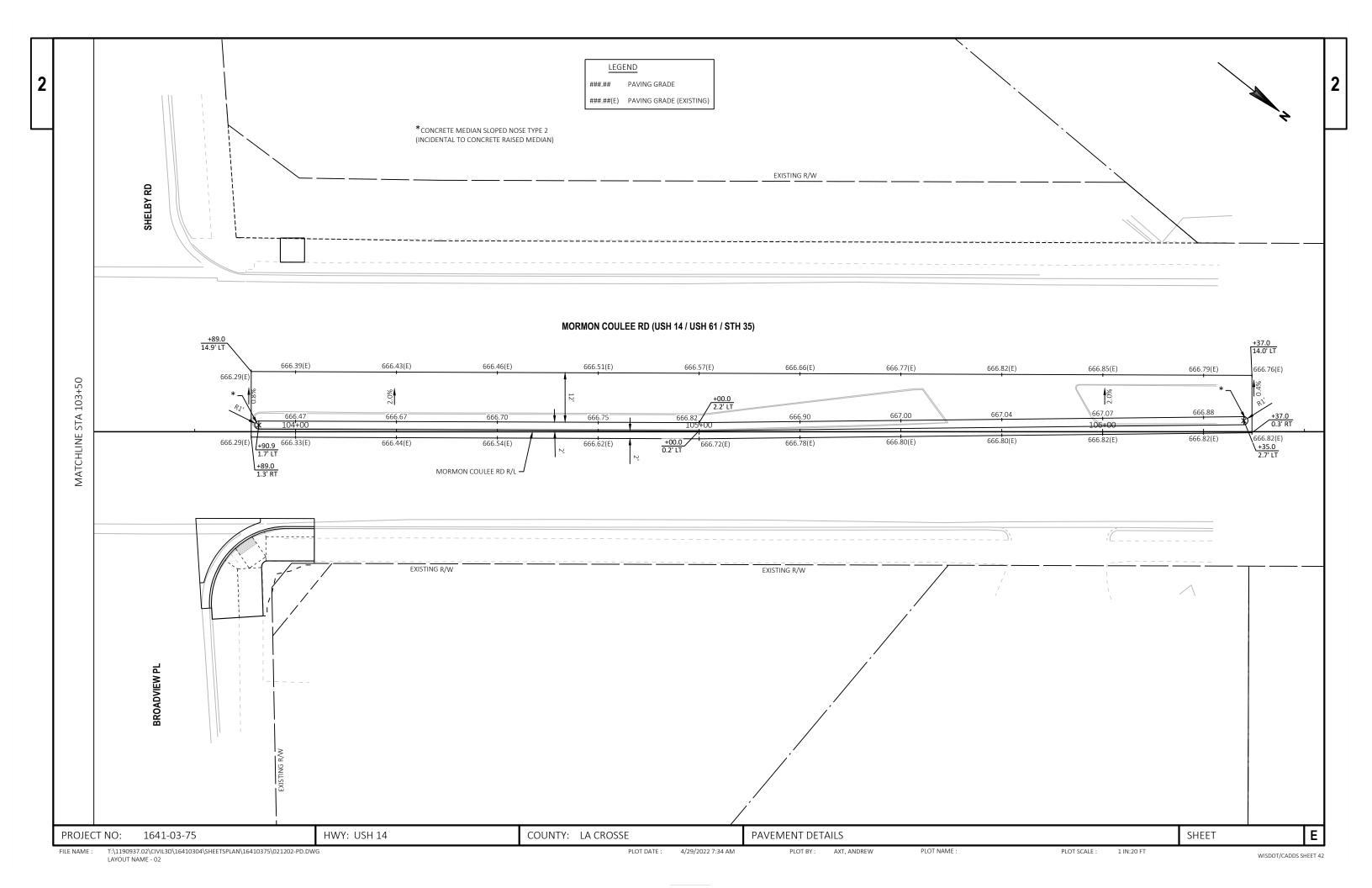
PLOT SCALE : 1 IN:20 FT



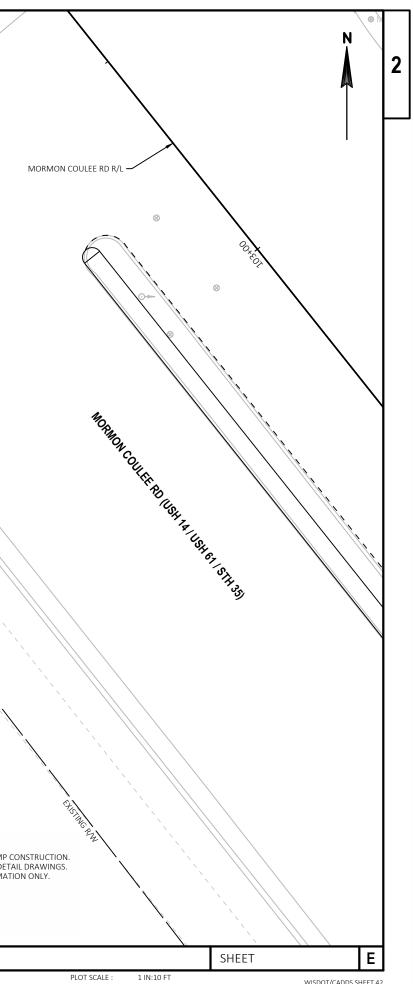
M	CONCRETE RAISED MEDIAN
30	CONCRETE CURB & GUTTER 30-INCH TYPE K
/5	CONCRETE SIDEWALK 5-INCH (OVER 4" BASE AGGREGATE DENSE 1 1/4-INCH)
	TOPSOIL, FERTILIZER, & SOD LAWN
AA)	2" HMA PAVEMENT (ASPHALT OVERLAY OF CONCRETE BASE)
	CONCRETE CURB PEDESTRIAN
	SAWING ASPHALT
XX	SAWING CONCRETE
	SLOPE INTERCEPTS
K	INLET PROTECTION TYPE C
CURB F	AMP DETAILS FOR ADDITIONAL INFORMATION AND BID ITEMS
	SHEET E

						LEGEND ###.## PAVING GRADE ###.##(E) PAVING GRADE (!	EXISTING)	
						*CONCRETE MEDIAN SLOI (INCIDENTAL TO CONCRET	E RAISED MEDIAN)	KISTING R/W
)	(
		MORMON COULEE RD (U	SH 14 / USH 61 / STH 35)					
					+11.1 15.0' LT +11.1 10.8' LT 665.20(E)	665.37(E) 665.42 +29.8 13.0' LT	665.61(E) 665.55	665.79(E) 665.73 ₩
	101+00		,	R/L	102+00 665.21(E)	665.32(E)	665.50(E)	665.67(E)
						/	/ /	

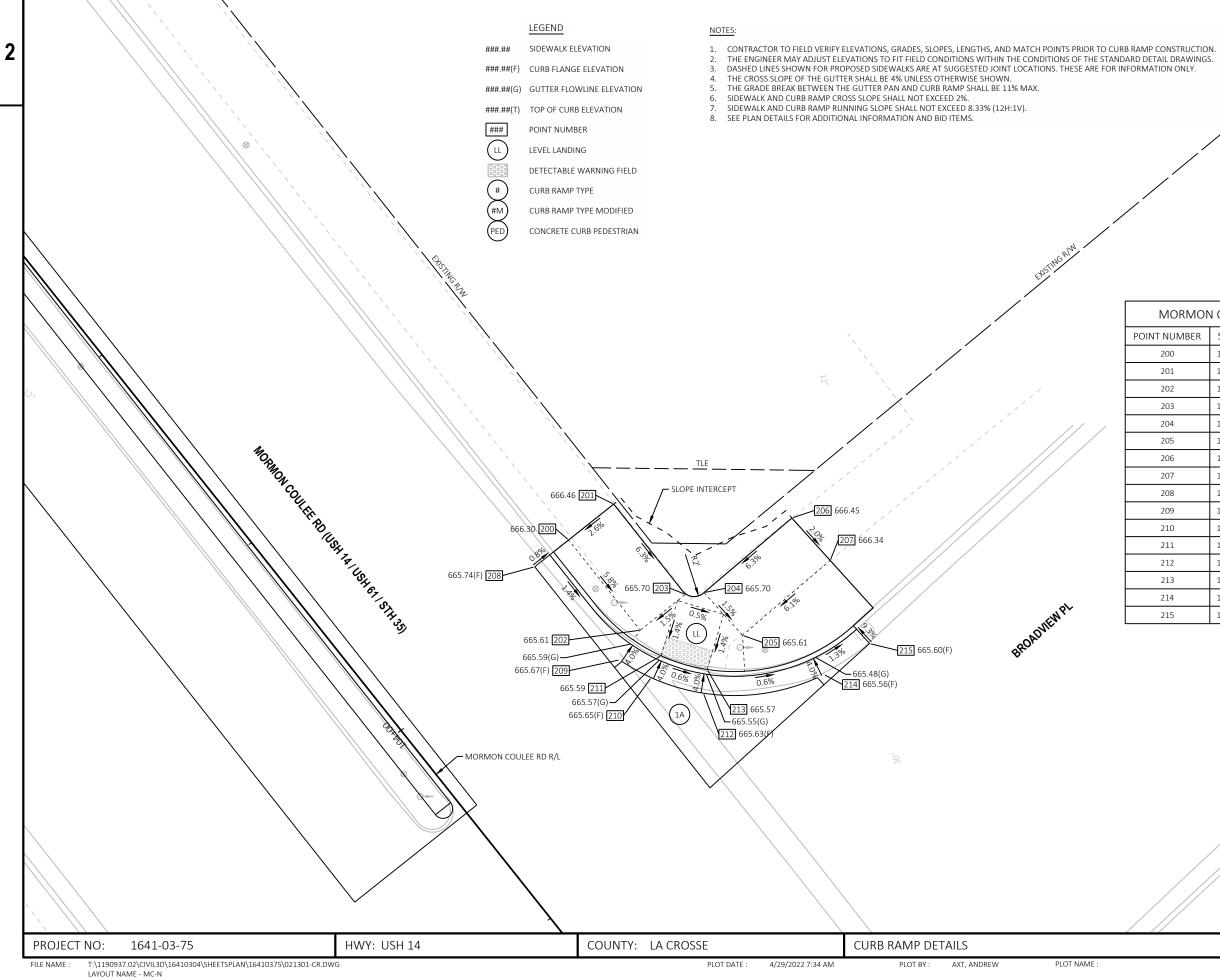




2							● GUY		© MH	Ę.		© N/H					18"
							C	O NOT DISTURB	SHE LE EXISTING CONTRO		665.4	● MH 665.31 [3(F) 114 000 000 000 000 000 000 000 000 000	229(G) 16 665.49 105 105 105 105 105 105 105 105			5(G) 565.27	5.45 119 665.25(F)
	MORMC	N COULE	e rd & s	HELBY RD ·	- POINT TAI	BLE					(566.09 100		55.55 56.05(T) 665.5 666.5			
	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING			/						<u> </u>		3 665,75
	100	103+20.64	66.60' LT	666.09	116021.92	455104.72			·		1	666.14 101	PED /			112 665.87	
	101	103+15.14	66.38' LT	666.14	116017.76	455108.32				/	·		<u></u>		_{665.87(Т)}		
	102	103+21.07 103+15.57	56.16' LT	665.51 665.57	116028.76 116024.60	455112.63 455116.23				/							```
	103	103+15.57		665.49	116024.60	455116.23					/	SLOPE INTER	CEPT -				`\
	105	103+19.02		665.47	116030.05	455117.53					1						,
	106	103+14.87	55.12' LT	665.55	116024.55	455117.30											
	107	103+15.75	47.74' LT	665.42	116029.84	455122.53				<i></i> ′							
	108	103+11.59	51.34' LT	665.50	116024.34	455122.30				122							Ξ,
	109	103+13.40	45.03' LT	665.45	116029.68	455126.11		LEGEND		EXISTING RIVI							
	110	103+10.89	50.53' LT	665.52	116024.30	455123.37	###.##	SIDEWALK EL	FVATION	CP S							
	111	103+10.89	45.03' LT	665.47	116027.72	455127.68		CURB FLANG									
	112	103+00.89	50.53' LT	665.87	116016.47	455129.59			VLINE ELEVATION								
	113	103+00.89	45.03' LT	665.75	116019.90	455133.90											
	114	103+27.88	60.89' LT	665.43	116031.14	455104.68		TOP OF CURE									
	115	103+23.83	47.62' LT	665.30	116036.24	455117.59		POINT NUMB									
	116	103+21.82 103+19.88	49.09' LT 43.53' LT	665.31 665.27	116033.74 116035.69	455117.69 455123.25		LEVEL LANDIN	IG		NOTE	<u>-S:</u>					
	117	103+19.88	45.49' LT	665.27	116033.26	455122.67		DETECTABLE	WARNING FIELD		1.	- CONTRACTOR TO FIELD VERIFY	ELEVATIONS, GRAD	ES, SLOPES, LEI	IGTHS, AND MAT	CH POINTS PRIOR	TO CURB RAMP
	119	103+06.89	39.03' LT	665.25	116028.33	455134.86	(#)	CURB RAMP	TYPE		2. 3. I	THE ENGINEER MAY ADJUST E DASHED LINES SHOWN FOR PR	EVATIONS TO FIT FI	ELD CONDITION S ARE AT SUGGE	IS WITHIN THE CO STED JOINT LOCA	NDITIONS OF TH	IE STANDARD DE
							(#M) PED		TYPE MODIFIED JRB PEDESTRIAN		5. 6. 7.	THE CROSS SLOPE OF THE GUT THE GRADE BREAK BETWEEN T SIDEWALK AND CURB RAMP CI SIDEWALK AND CURB RAMP R SEE PLAN DETAILS FOR ADDITI	THE GUTTER PAN AN ROSS SLOPE SHALL N JNNING SLOPE SHA	ID CURB RAMP NOT EXCEED 2% LL NOT EXCEED	5HALL BE 11% MA 8.33% (12H:1V).	Х.	
	D: 1641-03				1.0.4.07												
PROJECT N	0: 1041-0	5-75			HWY:	USH 14			COUNTY	LA CROSSE			CURB RAME	P DETAILS			



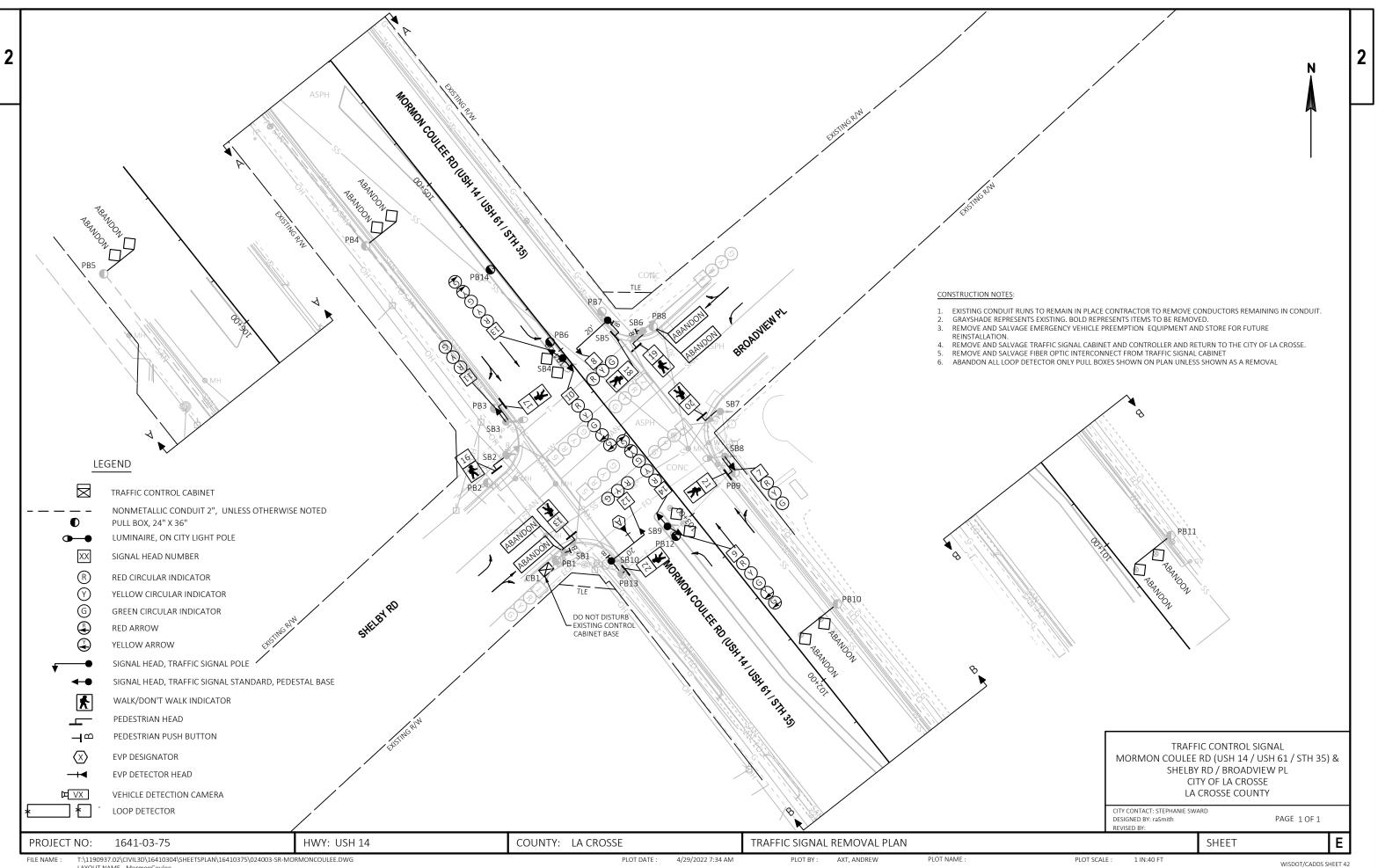
1 IN:10 FT

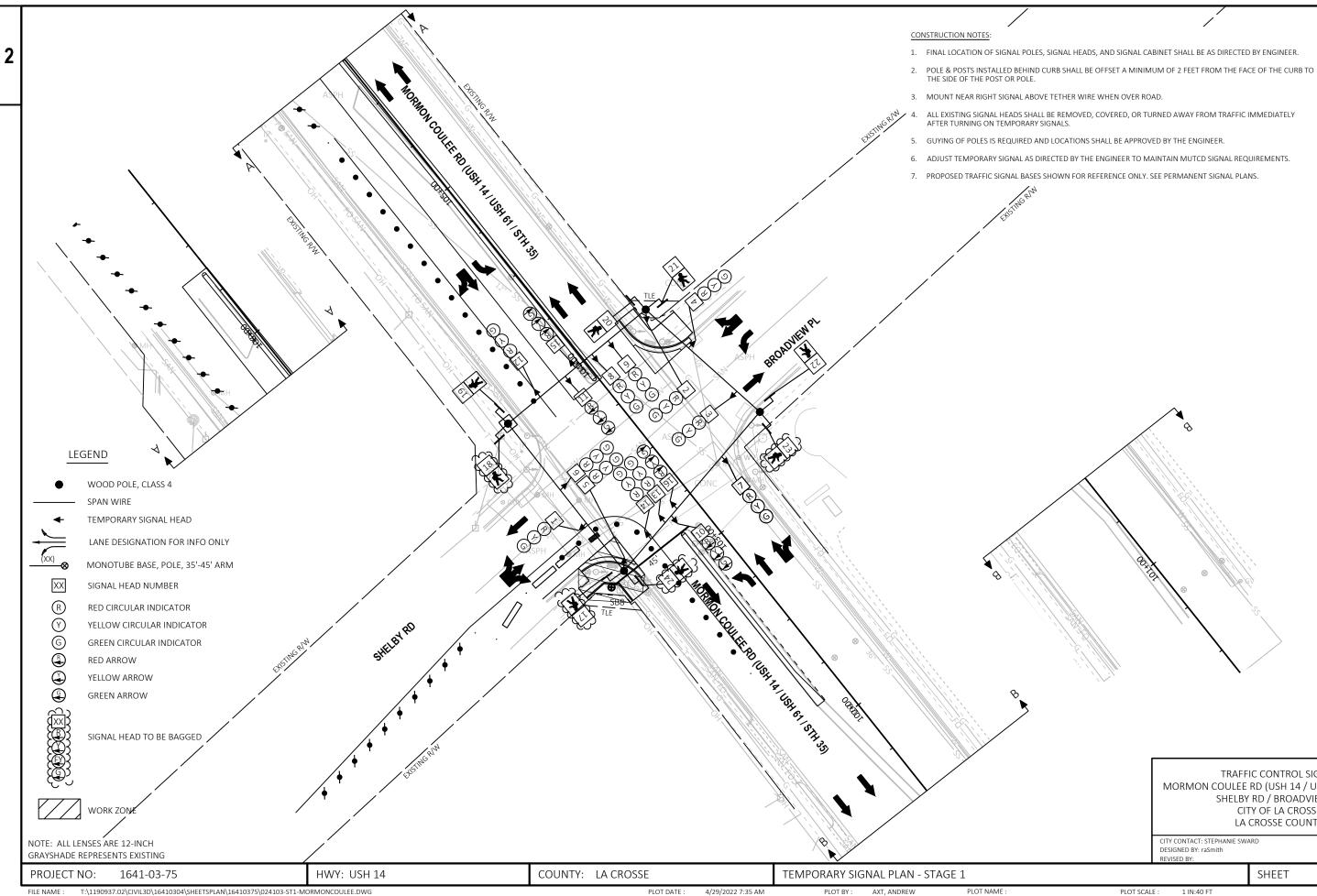


NUMBER STATION OFFSET ELEVATION NORTHING EASTING 200 104+04.65 26.01' RT 666.30 116145.32 455124.88 201 104+04.64 32.01' RT 666.46 116149.05 455129.58 202 103+92.65 25.99' RT 665.61 116135.92 455132.34 203 103+92.64 31.99' RT 665.70 116139.64 455137.04 204 103+91.58 33.63' RT 665.70 116133.93 455143.01 204 103+91.58 34.01' RT 665.61 116135.39 455137.04 205 103+85.59 34.01' RT 665.61 116133.53 455143.01 206 103+91.56 22.40' RT 666.45 116147.60 455148.14 207 103+86.01 46.00' RT 666.57 116132.83 45513.020 210 103+91.56 22.40' RT 665.67 116132.53 45513.45 211 103+83.06 23.81' RT 665.59 116131.30 455134.5	NUMBER STATION OFFSET ELEVATION NORTHING EASTING 00 104+04.65 26.01' RT 666.30 116145.32 455124.88 01 104+04.64 32.01' RT 666.46 116149.05 455129.58 02 103+92.65 25.99' RT 665.61 116135.92 455132.34 03 103+92.64 31.99' RT 665.70 116139.64 455137.04 04 103+91.58 33.63' RT 665.70 116139.84 455138.98 05 103+85.59 34.01' RT 665.61 116147.60 455148.14 07 103+86.01 46.00' RT 666.34 116142.53 45512.13 08 104+04.66 21.51' RT 665.67 116132.83 455130.20 101 103+88.06 23.81' RT 665.65 116130.97 455133.49 111 103+88.02 26.04' RT 665.59 116133.25 455134.52 112 103+88.10 28.90' RT 665.57 116131.83 455139.31	IL DRAWING: ON ONLY.	5.	/				A
NUMBERSTATIONOFFSETELEVATIONNORTHINGEASTING200104+04.6526.01'RT666.30116145.32455124.88201104+04.6432.01'RT666.46116149.05455132.34202103+92.6525.99'RT665.61116135.92455132.34203103+92.6431.99'RT665.70116139.64455137.04204103+91.5833.63'RT665.70116139.84455138.98205103+85.5934.01'RT665.61116135.39455148.14206103+91.5545.63'RT666.45116147.60455148.14207103+86.0146.00'RT666.34116143.19455152.13208104+04.6621.51'RT665.77116132.83455130.20209103+91.5622.40'RT665.65116130.9745513.49210103+88.0623.81'RT665.55116130.2545513.45211103+89.1026.04'RT665.57116131.2545513.893213103+85.1028.90'RT665.57116131.83455139.31214103+77.1138.10'RT665.56116131.3045513.49	NUMBER STATION OFFSET ELEVATION NORTHING EASTING 00 104+04.65 26.01' RT 666.30 116145.32 455124.88 01 104+04.64 32.01' RT 666.46 116149.05 455129.58 02 103+92.65 25.99' RT 665.61 116135.92 455132.34 03 103+92.64 31.99' RT 665.70 116139.64 455137.04 04 103+91.58 33.63' RT 665.70 116139.84 455138.98 05 103+85.59 34.01' RT 665.61 116147.60 455148.14 07 103+86.01 46.00' RT 666.34 116142.53 45512.13 08 104+04.66 21.51' RT 665.67 116132.83 455130.20 101 103+88.06 23.81' RT 665.65 116130.97 455133.49 111 103+88.02 26.04' RT 665.59 116133.25 455134.52 112 103+88.10 28.90' RT 665.57 116131.83 455139.31							
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14 103+77.11 38.10'RT 665.56 116131.30 455151.48	14 103+77.11 38.10' RT 665.56 116131.30 455151.48							
		215	103+76.69	43.82 KI	665.60	116134.53	455156.23	
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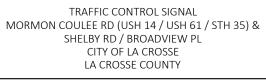


T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\024103-ST1-MORMONCOULEE.DWG LAYOUT NAME - MormonCoulee

4/29/2022 7:35 AM PLOT DATE :

AXT, ANDREW PLOT NAME :

- 1. FINAL LOCATION OF SIGNAL POLES, SIGNAL HEADS, AND SIGNAL CABINET SHALL BE AS DIRECTED BY ENGINEER.
- ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
- ADJUST TEMPORARY SIGNAL AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
- 7. PROPOSED TRAFFIC SIGNAL BASES SHOWN FOR REFERENCE ONLY. SEE PERMANENT SIGNAL PLANS.



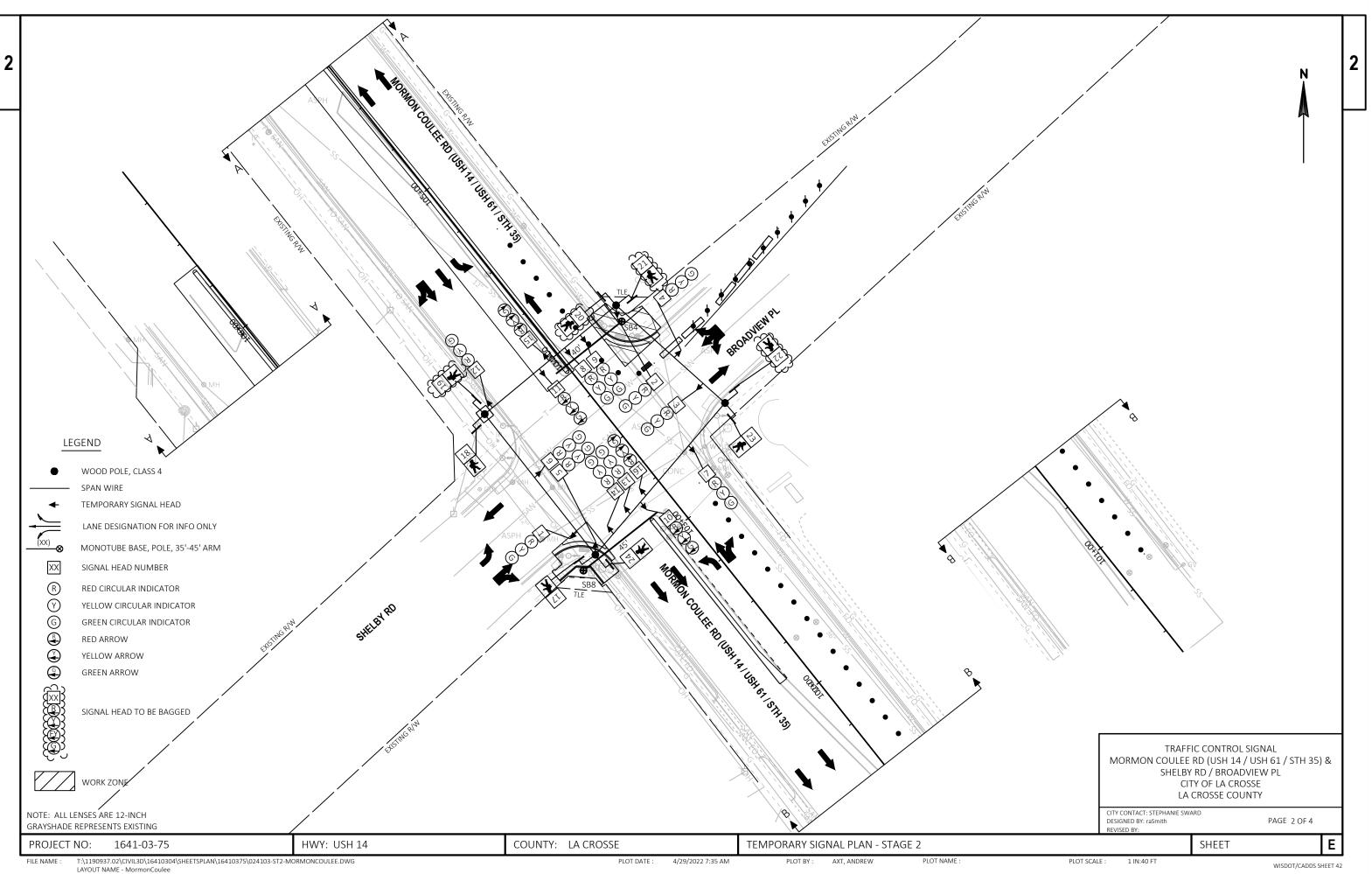
CITY CONTACT: STEPHANIE SWARD DESIGNED BY: raSmith REVISED BY:

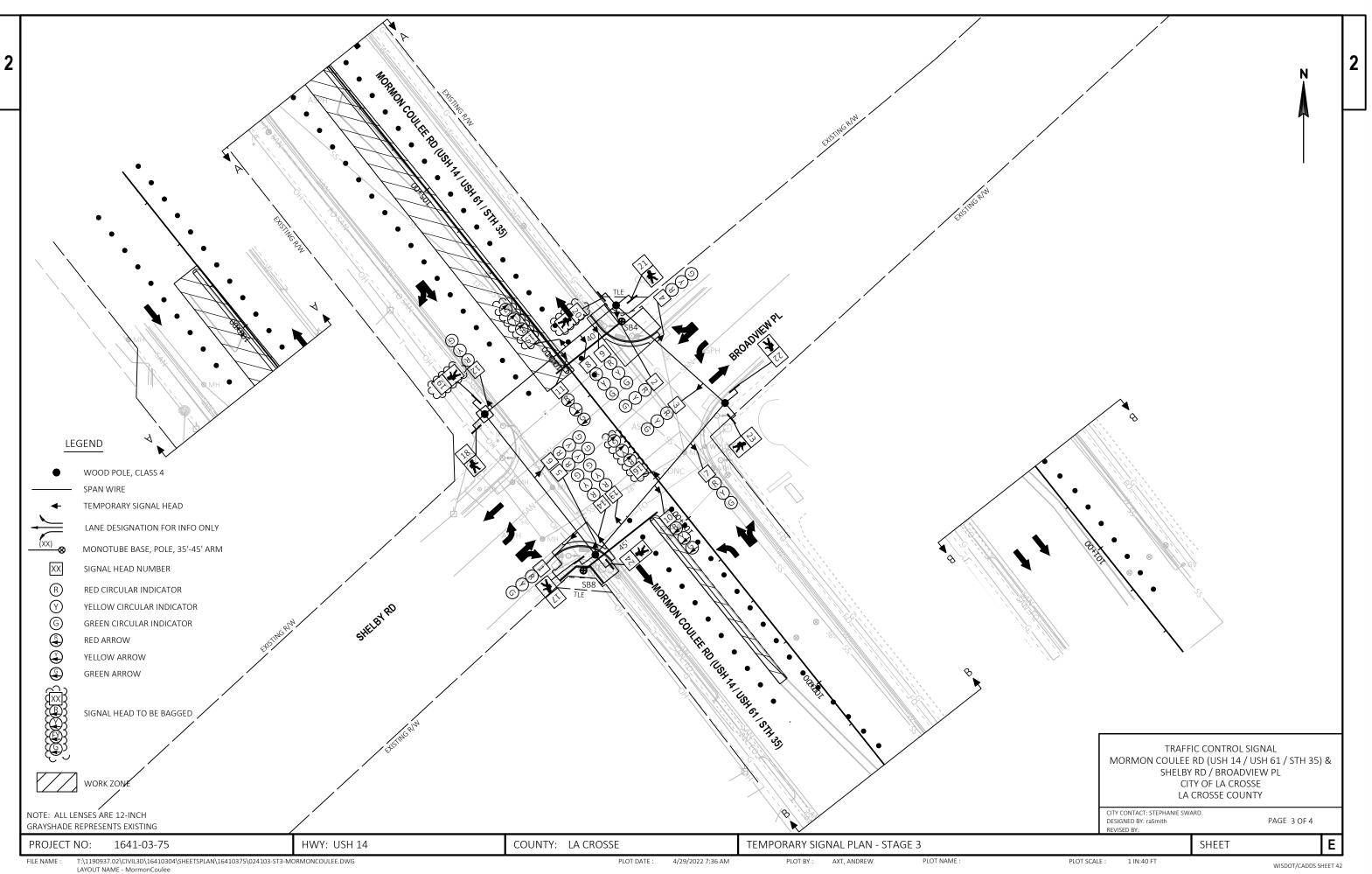
PAGE 1 OF 4

SHEET

WISDOT/CADDS SHEET 42

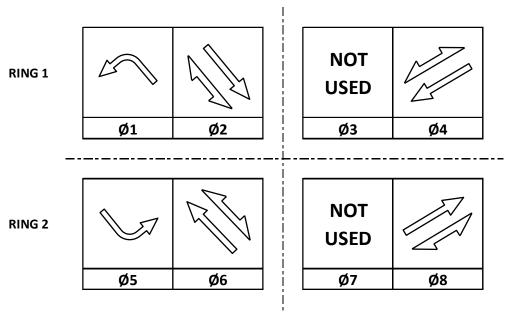
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	HEAD	Α
	NUMBERS	S H
đa		
Ø1	10,11	R
Ø2	12,13,14	R
Ø3		
Ø4	4,5,6	R
Ø5	15,16	₽
Ø6	7,8,9	R
Ø7		
Ø8	1,2,3	R
Ø2P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	
OLA		
OLB		
OLC		
OLD		



BARRIER

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	х	6	MAX	Х
2	х	6	MAX	х
3				
4	х	8	MAX	Х
5	х	2	MAX	Х
6	Х	2	MAX	Х
7				
8	Х	4	MAX	Х

TYPE OF INTERCONNECT/COMMUNIC	ATION
NONE	х
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDIN	ATION	
NONE		х
твс		
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER		
CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	
IN SEPARATE LIGHTING CABINET	Х

TYPE OF PRE-EMPT	
NONE	х
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

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1. OMIT PHASE 5 DURING STAGE 3. SEE TIMING PLAN.

PROJECT NO:	1641-03-75	HWY: USH 14		LA CROSSE	TEMPORARY SEQUENCE OF OPERA	ATIONS – ALL STAGES
FILE NAME :				PLOT DATE :	PLOT BY :	PLOT NAME :

2

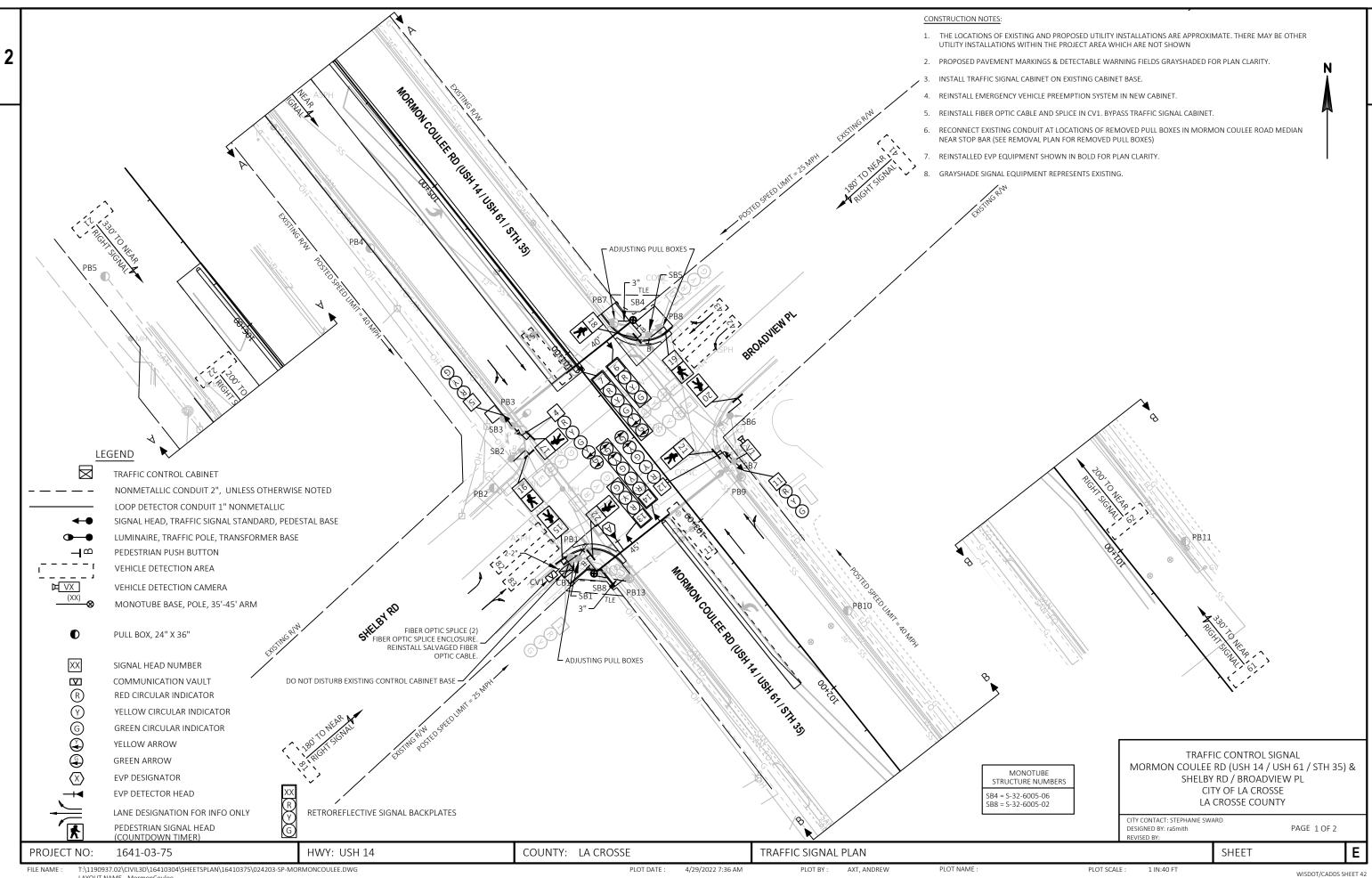
MORMON COULEE RD & BROADVIEW PL CITY OF LA CROSSE LA CROSSE COUNTY SIGNAL NO: CABINET TYPE: TEMP

DATE: 5/1/21

CONTROLLER TYPE: TEMP PAGE NO. 4 OF 4 SHEET NO:

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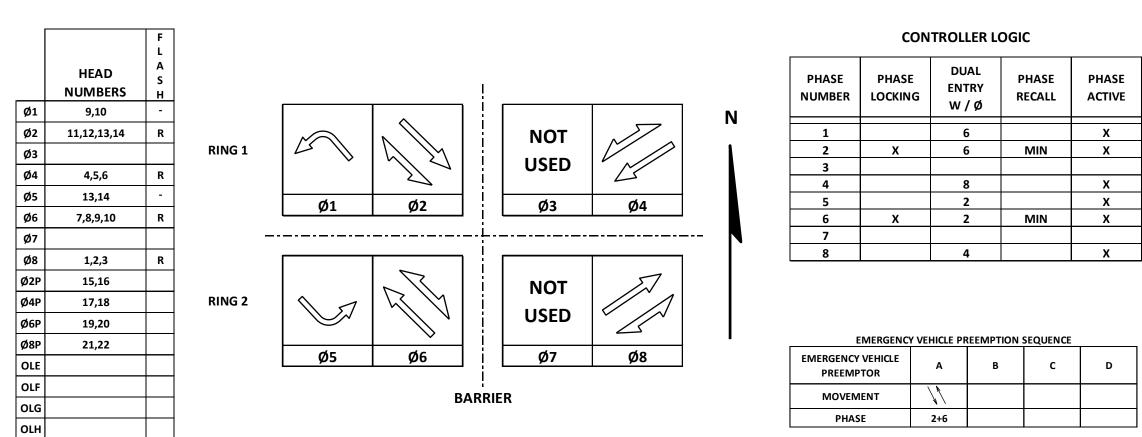
PLOT SCALE : 1:1



T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\024203-SP-MORMONCOULEE.DWG LAYOUT NAME - MormonCoulee

PLOT DATE : 4/29/2022 7:36 AM PLOT BY :





AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.

								DETECT	OR LOG	C							
DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN VIDEO DETECTION ZONE*(S)	11	21	41	43	51	61	81	83									PLAN VIDEO DETECTION ZO
CALLED PHASE	1	2	4	4	5	6	8	8									CALLED PHASE
CALL OPTION	Х	Х	Х	Х	Х	Х	Х	Х									CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION	Х	Х	Х	X	Х	X	X	X									EXTENSION OPTION
EXTEND TIME			X				X										EXTEND TIME
USE ADDED INITIAL		Х				X											USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE
				-													7
		2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	
PLAN VIDEO DETECTION ZONE*(S)		22	42			62	82										PLAN VIDEO DETECTION ZO
		2	4			6	8										
		X	X			X	X										
DELAY TIME EXTENSION OPTION		x	X			v	X										DELAY TIME EXTENSION OPTION
		X	X			X	X										
EXTEND TIME		v				v											
		X				X											
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

COUNTY: LA CROSSE PROJECT NO: 1641-03-75 HWY: USH 14 **SEQUENCE OF OPERATIONS** FLE NAME: \\rasmith.com\Brookfield\Transportation\1190937.02\Traffic\Signal Design\Sequence Sheets\MC & Broadview\TS2-S_E_FYA_EFGH_Econolite_SEQ.visx

HASE CTIVE	
х	
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Х	
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TYPE OF INTERCONNECT/COMMUNICATION							
NONE							
CLOSED LOOP							
TWISTED PAIR							
FIBER OPTIC*	Х						
FIBER OPTIC (ETHERNET)							
RADIO							
CELL MODEM							

TYPE OF COORDINATION	
NONE	
ТВС	х
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER	
CONTROLLER NO: S	5-
SIGNAL SYSTEM NO: SS	-

R	E.	Гι	J	R	N

TYPE OF LIGHTING							
BY OTHER AGENCY							
IN TRAFFIC CABINET	Х						
IN SEPARATE LIGHTING CABINET							

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	х
GTT	х
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

MORMON COULEE ROAD & BROADVIEW PLACE / SHELBY ROAD								
CITY OF LA CROSSE								
	LA	CROSSE COUNTY						
SIGNAL NO:		CABINET TYPE: TS2						
		CONTROLLER TYPE: ECONOLI	TE					
DATE:	May 2021	PAGE NUMBER: 2 OF 2						
		SHEET NO:	Ε					

PROJECT ID:		1641-03-75					BLK - black	RED - red	GRN - green			DATE	2/10/24	1
INTERSECTION:	Morm	ion Coulee Rd & Broa	dview Pl		Signal Wire	Color Coding	WHT - white	BLU - blue	ORG - orange			DATE	2/16/21	
								SIGNAL INDICA	TION WIRE COLOR					T
CB1 TO	JUMPER	# OF COND.	HEAD NO.	RED	YELLOW	GREEN	<red></red>	<yellow></yellow>	<green></green>	<flashing yellow=""></flashing>	D/WALK	WALK	PED BUTTON	
SB1		12	1	RED	ORG	GRN								+
			5	RED/BLK	ORG/BLK	GRN/BLK								+
			15								BLK	BLU		4
			BUTTON						+ +				WHT/BLK	+
														+
SB2		12	6	RED	ORG	GRN					DI K	B LLL		+
			16 BUTTON		 						BLK	BLU	WHT/BLK	+
			BOTTON										WHI/BLK	+
SB3		12	9	RED	ORG	GRN		BLK/WHT	BLU/BLK					+
505		12	11	RED/BLK	ORG/BLK	GRN/BLK		DERYWITT	DECYDER					+
			17								BLK	BLU		+
			BUTTON	1		1			+ +				WHT/BLK	+
													· · · · · ·	T
SB4		12	8	RED	ORG	GRN								Ţ
			10	RED	ORG	GRN		ORG/BLK	GRN/BLK					I
			18								BLK	BLU		
			BUTTON										WHT/BLK	
														┛
SB5		12	2	RED	ORG	GRN								4
			4	RED/BLK	ORG/BLK	GRN/BLK								+
			19								BLK	BLU		+
			BUTTON										WHT/BLK	+
CDC		12	2		0.00	CDN								┿
SB6		12	3 20	RED	ORG	GRN					BLK	BLU		+
			BUTTON								DLK	BLU	WHT/BLK	+
			BOTTON										WITT/ DEK	+
SB7		12	7	RED	ORG	GRN								+
			13	RED/BLK	ORG/BLK	GRN/BLK		BLK/WHT	BLU/BLK					1
			21	· · ·	, i	,					BLK	BLU		T
			BUTTON										WHT/BLK	T
														T
SB8		12	12	RED	ORG	GRN								\Box
			14	RED	ORG	GRN		ORG/BLK	GRN/BLK		ļ			\bot
			22	ļ					<u> </u>		BLK	BLU		\downarrow
			BUTTON						┦───┤				WHT/BLK	+
	1		l					l			l			Т
		1			1			7	·		1			
EQUIPMENT GROUNDIN			PULL BOX BONI				UF 10 AWG		EMERGENCY VE	HICLE PREEMPTION (EVP) CABLE				
10 AWG GRI			10 AWG G		1		ROUND TO	4	FROM	то	-			
FROM	TO SB1		FROM	TO SB1	1	FROM	SB3	4	FROM		-			
CB1			PB1		4	CB1		4	CB1	HEAD A (SB8)	J			
SB1	SB2		PB2	SB3	4	CB1	SB7	J						
SB2 SB3	SB3 SB4		PB3 PB7	SB3 SB4	1									
SB3 SB4	SB4 SB5		PB7 PB8	SB4 SB5	1									
SB4 SB6	SB7		PB8 PB9	SB5 SB7	1	*llsa tha wh	ite conductor	n the cable acco	mhly as the group	ded conductor for all traffic sig	nalindicatio	ns		
	SB8		PB13	SB8	1					pole cables are both 18" longe			onductors	
	CB1				4					an push buttons to the color in				in
500						*Reconnect								

HWY: USH 14 COUNTY: LA CROSSE PROJECT NO: 1641-03-75 CABLE ROUTING PLOT DATE : 4/22/2021 8:15 PM

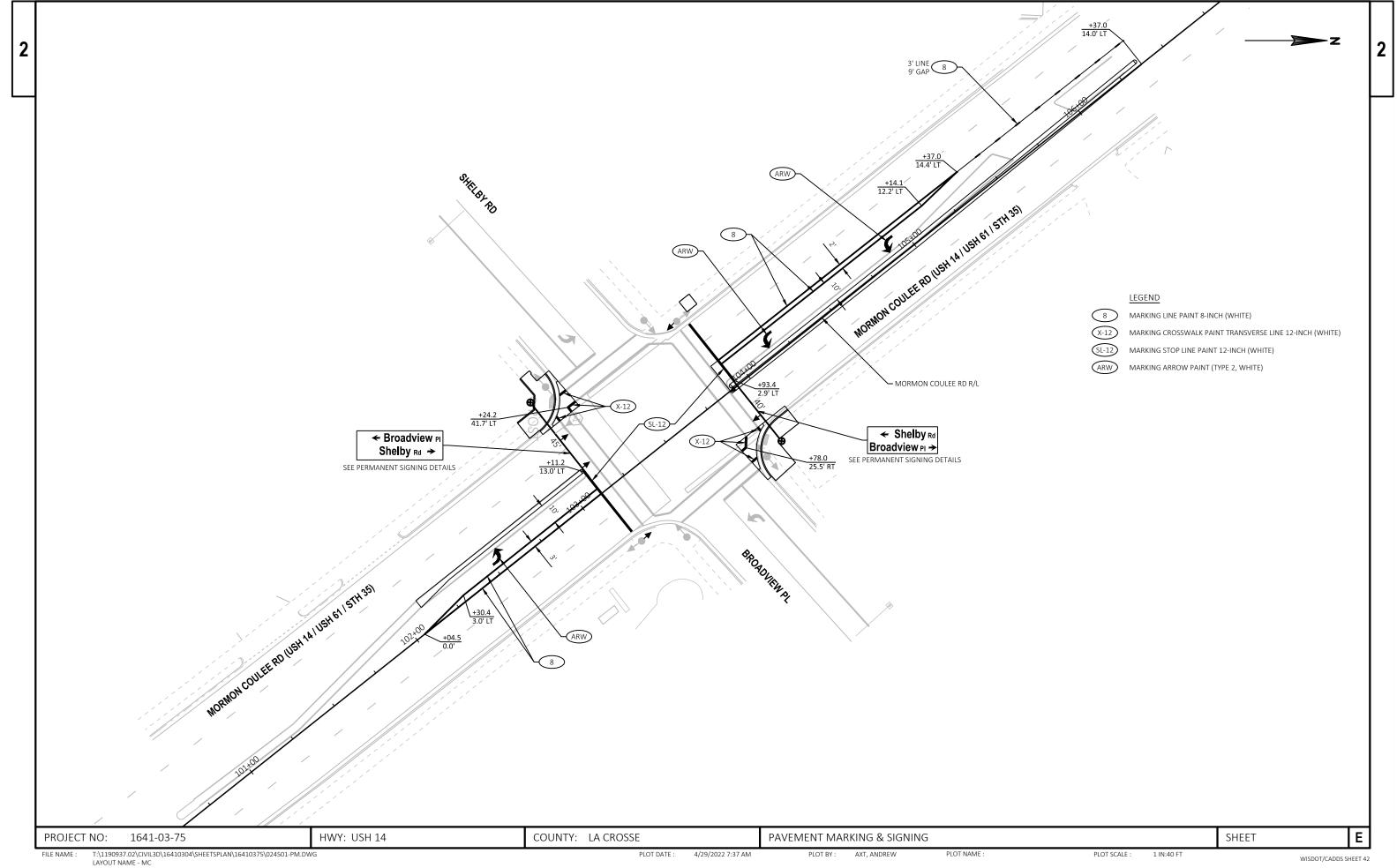
FILE NAME : T:\(Project #)\Cadd\Quants\030201_mq-signals.ppt

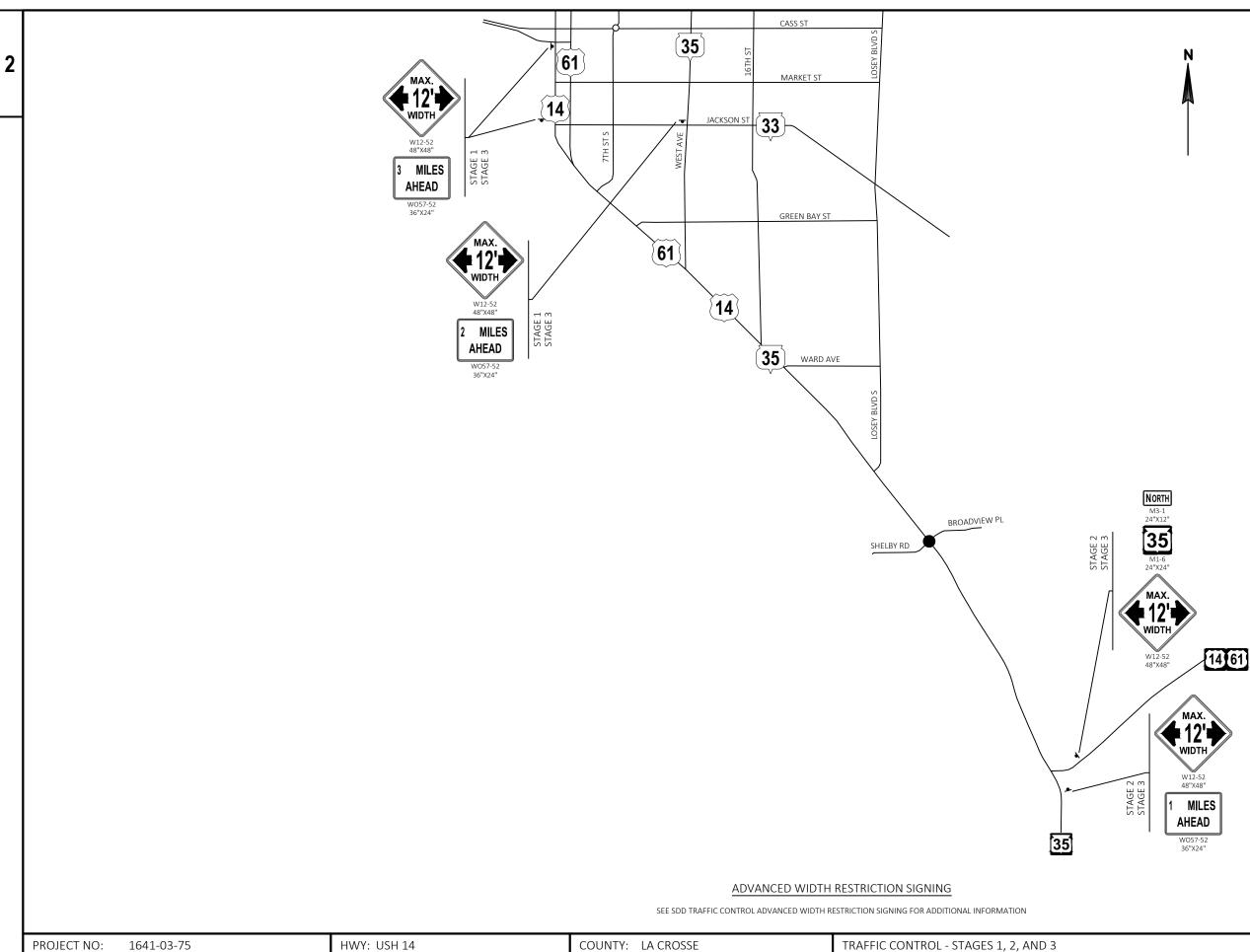
2

PLOT BY :

PLOT NAME : 030201_mq

	SHEET NO	:	Ε
e grounding circuit is complete.			
dicated in the chart. Connect the other	terminal to	Page 1 of '	1
than the ungrounded conductors.			
nal indications.			





T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\025000-AW.DWG LAYOUT NAME - Plan 1 IN 2000 FT FILE NAME :

PLOT DATE : 4/29/2022 7:37 AM PLOT BY : AXT, ANDREW

PLOT NAME :



SHEET

TRAFFIC CONTROL NOTES:

2

- 1. MAINTAIN MINIMUM ONE 11' LANE IN EACH DIRECTION ON MORMON COULEE RD, BROADVIEW PL, AND SHELBY RD.
- 2. MAINTAIN ACCESS TO ALL DRIVEWAYS EXCEPT WHEN WORKING IMMEDIATELY IN FRONT OF DRIVEWAY.
- 3. SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON FREEWAY/EXPRESSWAY.
- 4. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
- 5. ALL SIGNS SHALL BE 48"X48" UNLESS NOTED OTHERWISE.
- R/L VARIES 4' TO 10' 6. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND 4' TYP BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. VARIES 0' TO 10' 10' TYP 11' TRAVEL LANE 11' TRAVEL LANE 11' TRAVEL LANE 7. PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WHEN WORK ZONE LEFT-TURN LANE APPROPRIATE DURING CONSTRUCTION STAGING OR AS DIRECTED BY THE ENGINEER. 8. SEE PLAN FOR MORMON COULEE RD TRAFFIC CONTROL LAYOUT AND DEVICES. 5 Ľ 4 uum. . . . L TRAFFIC CONTROL DRUMS 25' SPACING (TYP) TRAFFIC CONTROL - STAGE 1 MORMON COULEE RD (LOOKING NORTH) R/L 12' TRAVEL LANE 11' LEFT-TURN LANE 12' TRAVEL LANE 11' TRAVEL LANE WORK ZONE 4' 17 Ľ. . . . 1257 TRAFFIC CONTROL DRUMS 25' SPACING (TYP) TRAFFIC CONTROL - STAGE 2 MORMON COULEE RD (LOOKING NORTH)

PROJECT NO: 1641-03-75	HWY: USH 14	COUNTY: LA CROSSE		TRAFFIC CONTR		
FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\025001-TC.DW	G	PLOT DATE :	4/29/2022 7:37 AM	PLOT BY :	AXT, ANDREW	PLOT NAME :

2

SHEET

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

TRAFFIC CONTROL NOTES:

2

- 1. MAINTAIN MINIMUM ONE 11' LANE IN EACH DIRECTION ON MORMON COULEE RD, BROADVIEW PL, AND SHELBY RD.
- 2. MAINTAIN ACCESS TO ALL DRIVEWAYS EXCEPT WHEN WORKING IMMEDIATELY IN FRONT OF DRIVEWAY.
- 3. SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON FREEWAY/EXPRESSWAY.
- SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE. SEE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE.
- 5. ALL SIGNS SHALL BE 48"X48" UNLESS NOTED OTHERWISE.
- 6. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- 7. PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WHEN APPROPRIATE DURING CONSTRUCTION STAGING OR AS DIRECTED BY THE ENGINEER.
- 8. SEE PLAN FOR MORMON COULEE RD TRAFFIC CONTROL LAYOUT AND DEVICES.

R/L 11' TRAVEL LANE 11' TRAVEL LANE WORK ZONE <u>L</u> 17 -1. A. 1. A. A. A. A. 4 TRAFFIC CONTROL DRUMS L TRAFFIC CONTROL DRUMS 25' SPACING (TYP) 25' SPACING (TYP) MORMON COULEE RD SOUTH OF SHELBY ST/BROADVIEW PL INTERSECTION R/L 11' TRAVEL LANE

MORMON COULEE RD

WORK ZONE

NORTH OF SHELBY RD/BROADVIEW PL INTERSECTION

TRAFFIC CONTROL - STAGE 3 MORMON COULEE RD (LOOKING NORTH)

PROJECT NO: 1641-03-75	HWY: USH 14	COUNTY: LA CROSSE		TRAFFIC CONTR		
FILE NAME : T:\1190937.02\CIVIL3D\16410304\SHEETSPLAN\16410375\025001-TC.DW	G	PLOT DATE :	4/29/2022 7:37 AM	PLOT BY :	AXT, ANDREW	PLOT NAME :

TRAFFIC CONTROL DRUMS _____ 25' SPACING (TYP)

. d

2

11'

TRAVEL LANE

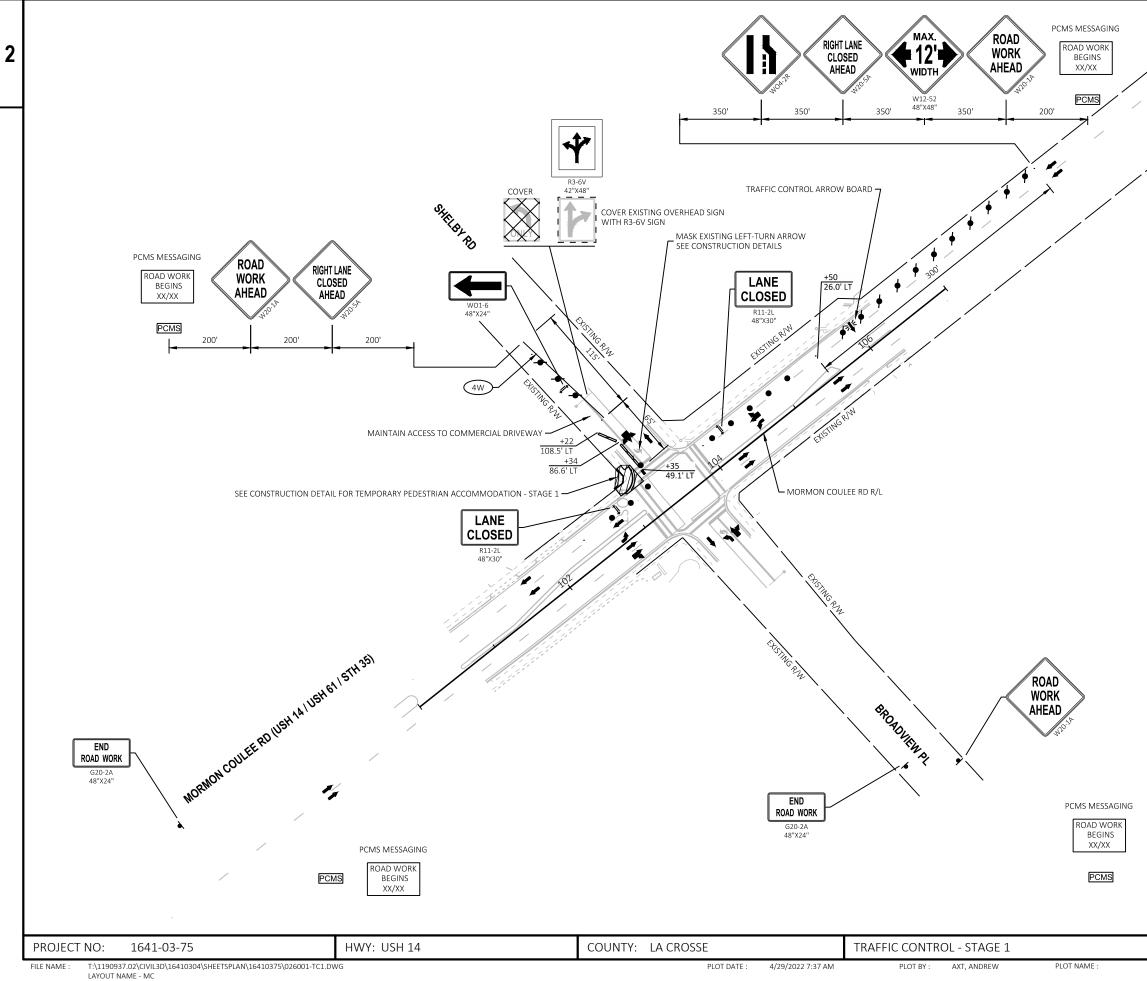
17

L TRAFFIC CONTROL DRUMS 25' SPACING (TYP)

SHEET

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



AXT, ANDREW 4/29/2022 7:37 AM PLOT DATE : PLOT BY :

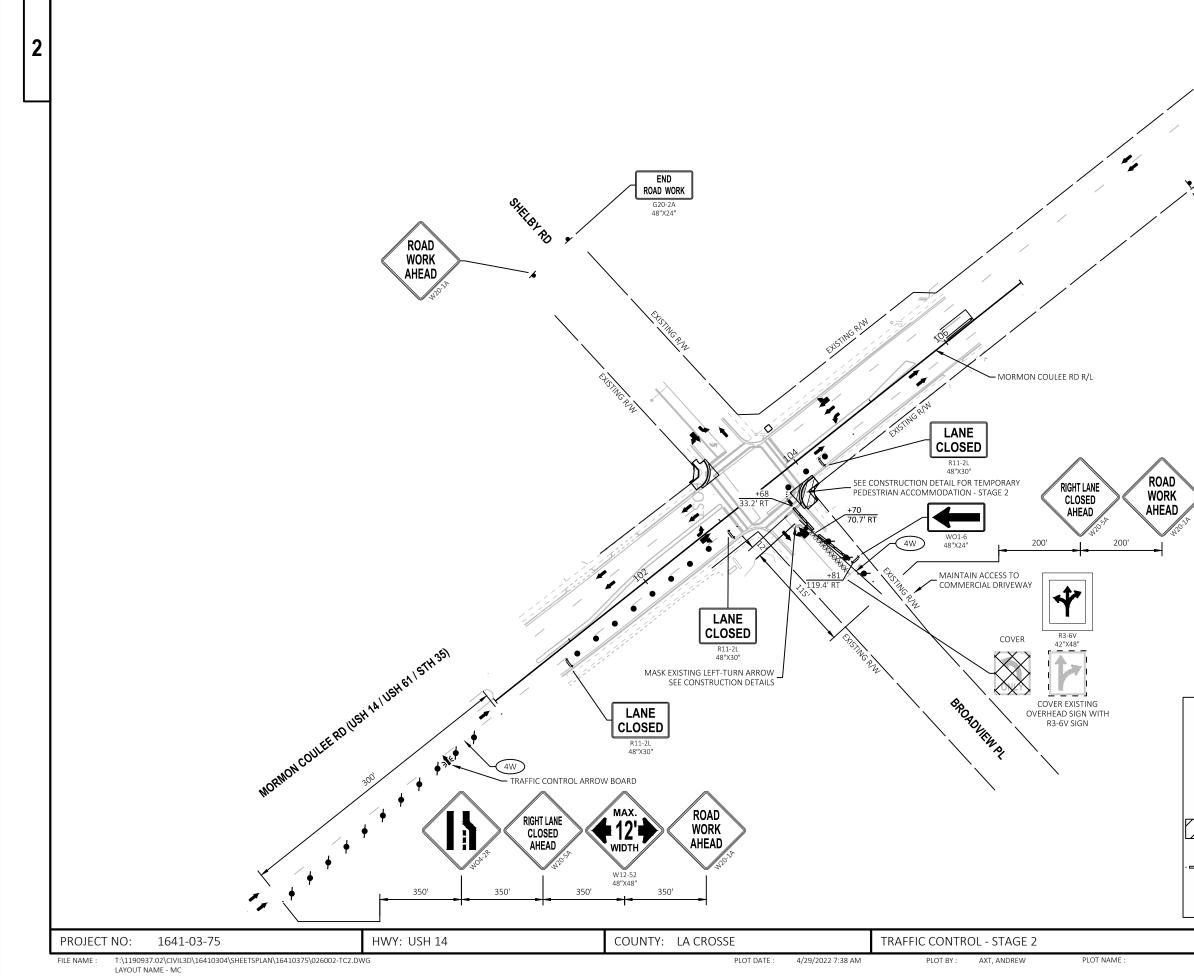
2

٠Z

PLACE PCMS 7 CALENDAR DAYS PRIOR TO BEGINNING OF STAGE 1 AND REMOVE WHEN CONSTRUCTION BEGINS

	LEGEND
ţ	TYPE III BARRICADE
¢	TYPE III BARRICADE WITH ATTACHED SIGN
Þ ∕⊧	TRAFFIC CONTROL SIGN ON PERMANENT / TEMPORARY SUPPORT
•	TRAFFIC CONTROL DRUMS (25' SPACING)
ø	TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)
	WORK ZONE
	TRAFFIC FLOW
	CONCRETE BARRIER TEMPORARY PRECAST, ANCHORED
PCMS	TRAFFIC CONTROL SIGNS PCMS
XXXXX	TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH
4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

.



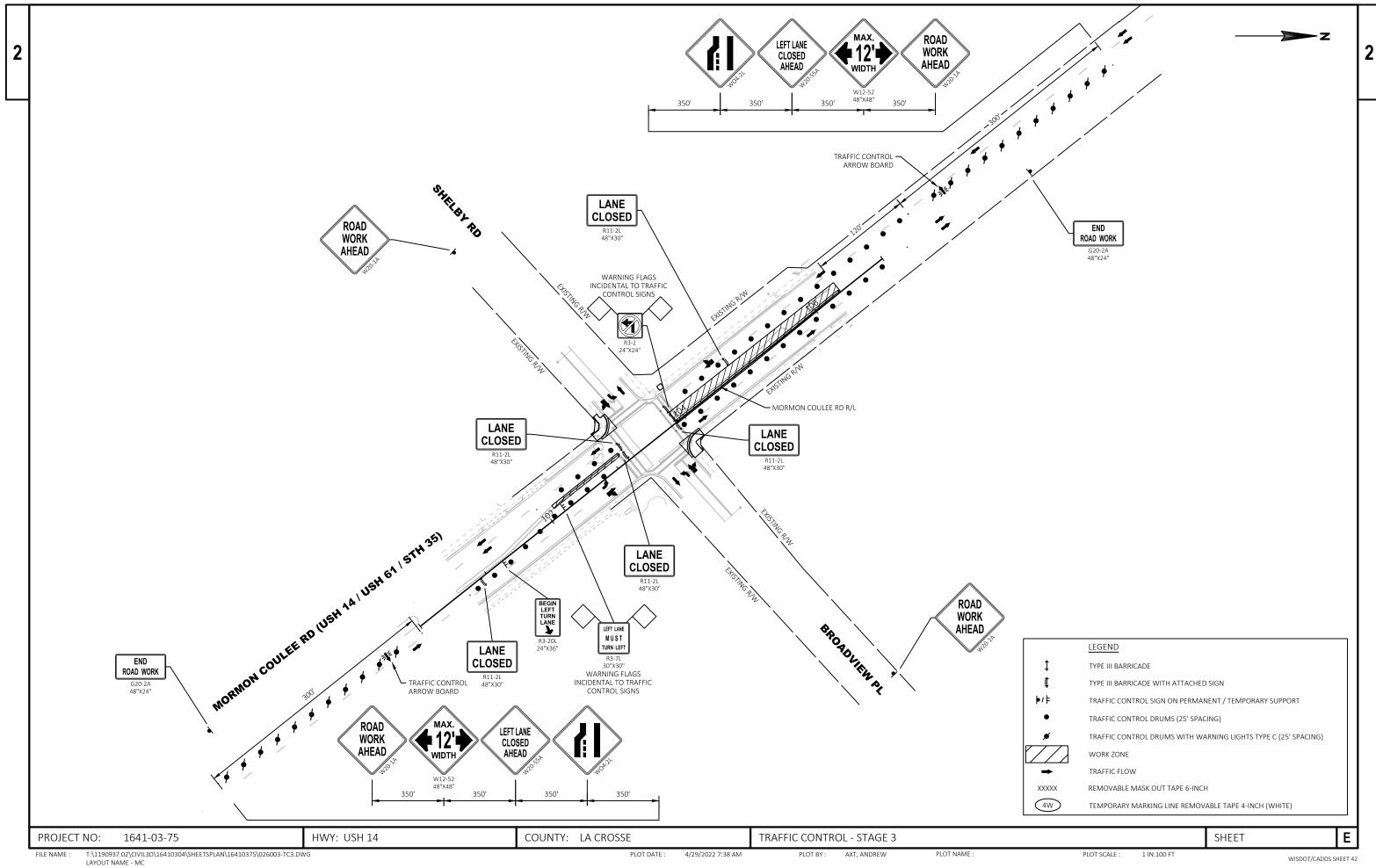
-Z

2

	LEGEND											
‡	TYPE III BARRICADE											
ţ	TYPE III BARRICADE WITH ATTACHED	SIGN										
þ /⊧	TRAFFIC CONTROL SIGN ON PERMAN	NENT / TEMPORARY SUPPORT										
•	TRAFFIC CONTROL DRUMS (25' SPACING)											
ø	TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)											
	WORK ZONE											
	TRAFFIC FLOW											
	CONCRETE BARRIER TEMPORARY PR	ECAST, ANCHORED										
XXXXX	REMOVABLE MASK OUT TAPE 6-INCH											
4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)											
	SHEET											

END ROAD WORK

G20-2A 48"X24"



	LEGEND											
ţ	TYPE III BARRICADE											
ţ	TYPE III BARRICADE WITH ATTACHED	SIGN										
þ /⊧	TRAFFIC CONTROL SIGN ON PERMAN	IENT / TEMPORARY SUPPORT										
•	TRAFFIC CONTROL DRUMS (25' SPAC	ING)										
ø	TRAFFIC CONTROL DRUMS WITH WARNING LIGHTS TYPE C (25' SPACING)											
	WORK ZONE											
<u>→</u>	TRAFFIC FLOW											
XXXXX	REMOVABLE MASK OUT TAPE 6-INCH											
4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)											
	SHEET E											

			E	Estimate Of C	luantities	
					1641-03-75	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0100	Removing Concrete Pavement	SY	10.000	10.000	
004	204.0110	Removing Asphaltic Surface	SY	17.000	17.000	
0006	204.0120	Removing Asphaltic Surface Milling	SY	292.000	292.000	
8000	204.0150	Removing Curb & Gutter	LF	69.000	69.000	
0010	204.0155	Removing Concrete Sidewalk	SY	198.000	198.000	
0012	204.0195	Removing Concrete Bases	EACH	4.000	4.000	
0014	204.9060.S	Removing (item description) 01. Traffic Signals (Mormon Coulee Rd & Broadview PI)	EACH	1.000	1.000	
0016	204.9060.S	Removing (item description) 02. Loop Detector Wire & Lead-In Cable (Mormon Coulee Rd & Broadview PI)	EACH	1.000	1.000	
0018	213.0100	Finishing Roadway (project) 01. 1641-03-75	EACH	1.000	1.000	
0020	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	20.000	20.000	
022	390.0303	Base Patching Concrete	SY	70.000	70.000	
022	415.0090	Concrete Pavement 9-Inch	SY	24.000	24.000	
0024	416.0610	Drilled Tie Bars	EACH	64.000	64.000	
0028	416.0620	Drilled Dowel Bars	EACH	130.000	130.000	
0020	455.0605	Tack Coat	GAL	27.000	27.000	
	460.2000	Incentive Density HMA Pavement	DOL	30.000	30.000	
0032		HMA Pavement 4 MT 58-28 S	TON		45.000	
0034 0036	460.6224 601.0417	Concrete Curb & Gutter 30-Inch Type K	LF	45.000 69.000	69.000	
			LF			
0038	601.0600	Concrete Curb Pedestrian Concrete Sidewalk 5-Inch		28.000	28.000	
0040	602.0410		SF	633.000	633.000	
0042	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	20.000	20.000	
0044	603.8000	Concrete Barrier Temporary Precast Delivered	LF	150.000	150.000	
0046	603.8125	Concrete Barrier Temporary Precast Installed	LF	150.000	150.000	
0048	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	150.000	150.000	
0050	619.1000	Mobilization	EACH	1.000	1.000	
0052	624.0100	Water	MGAL	1.000	1.000	
0054	625.0100	Topsoil	SY	9.000	9.000	
0056	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0060	628.7015	Inlet Protection Type C	EACH	3.000	3.000	
0062	629.0210	Fertilizer Type B	CWT	0.600	0.600	
0064	631.0300	Sod Water	MGAL	0.300	0.300	
0066	631.1000	Sod Lawn	SY	9.000	9.000	
0068	637.2210	Signs Type II Reflective H	SF	30.000	30.000	
0070	638.2602	Removing Signs Type II	EACH	2.000	2.000	
0072	642.5001	Field Office Type B	EACH	1.000	1.000	
0074	643.0300	Traffic Control Drums	DAY	3,232.000	3,232.000	
0076	643.0410	Traffic Control Barricades Type II	DAY	202.000	202.000	
0078	643.0420	Traffic Control Barricades Type III	DAY	696.000	696.000	
0080	643.0705	Traffic Control Warning Lights Type A	DAY	1,592.000	1,592.000	
0082	643.0715	Traffic Control Warning Lights Type C	DAY	1,519.000	1,519.000	
0084	643.0800	Traffic Control Arrow Boards	DAY	120.000	120.000	
0086	643.0900	Traffic Control Signs	DAY	2,681.000	2,681.000	
0088	643.0920	Traffic Control Covering Signs Type II	EACH	4.000	4.000	
0090	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000	
0092	643.5000	Traffic Control	EACH	1.000	1.000	
0094	644.1420	Temporary Pedestrian Surface Plywood	SF	135.000	135.000	
0096	644.1601	Temporary Pedestrian Curb Ramp	DAY	68.000	68.000	

Estimate Of Quantities

3

07/07/2022 13:03:19 Page 1

			E	stimate Of C	Quantities	
					1641-03-75	
Line	Item	Item Description	Unit	Total	Qty	
0098	644.1810	Temporary Pedestrian Barricade	LF	188.000	188.000	
100	646.3005	Marking Line Paint 8-Inch	LF	473.000	473.000	
102	646.5005	Marking Arrow Paint	EACH	3.000	3.000	
104	646.6005	Marking Stop Line Paint 12-Inch	LF	70.000	70.000	
0106	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	230.000	230.000	
0108	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	140.000	140.000	
0110	650.7000	Construction Staking Concrete Pavement	LF	32.000	32.000	
0112	650.8500	Construction Staking Electrical Installations (project) 01. 1641-03-75	LS	1.000	1.000	
0114	650.9000	Construction Staking Curb Ramps	EACH	2.000	2.000	
0116	650.9910	Construction Staking Supplemental Control (project) 01. 1641-03-75	LS	1.000	1.000	
118	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	35.000	35.000	
)120	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	26.000	26.000	
)122	652.0700.S	Install Conduit into Existing Item	EACH	3.000	3.000	
)124	653.0900	Adjusting Pull Boxes	EACH	3.000	3.000	
0126	653.0905	Removing Pull Boxes	EACH	3.000	3.000	
)128	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000	
0130	655.0230	Cable Traffic Signal 5-14 AWG	LF	413.000	413.000	
)132	655.0240	Cable Traffic Signal 7-14 AWG	LF	185.000	185.000	
0134	655.0240	Cable Traffic Signal 12-14 AWG	LF	1,256.000	1,256.000	
)136	655.0320	Cable Type UF 2-10 AWG Grounded	LF	305.000	305.000	
)138	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	842.000	842.000	
		-	LF	246.000		
)140)142	655.0610 656.0200	Electrical Wire Lighting 12 AWG Electrical Service Meter Breaker Pedestal (location) 01. Mormon Coulee Rd & Broadview Pl	LS	1.000	246.000 1.000	
0144	657.0347	Poles Type 9-Special	EACH	2.000	2.000	
0146	657.0541	Monotube Arms 40-FT-Special	EACH	1.000	1.000	
0148	657.0546	Monotube Arms 45-FT-Special	EACH	1.000	1.000	
0150	658.0173	Traffic Signal Face 3S 12-Inch	EACH	4.000	4.000	
0152	658.0175	Traffic Signal Face 5S 12-Inch	EACH	4.000	4.000	
0154	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000	
0156	658.0500	Pedestrian Push Buttons	EACH	4.000	4.000	
0158	658.5069	Signal Mounting Hardware (location) 01. Mormon Coulee Rd & Broadview Pl	LS	1.000	1.000	
0160	661.0200	Temporary Traffic Signals for Intersections (location) 01. Mormon Coulee Rd & Broadview Pl	LS	1.000	1.000	
0162	673.0105	Communication Vault Type 1	EACH	1.000	1.000	
)164	678.0200	Fiber Optic Splice Enclosure	EACH	1.000	1.000	
0166	678.0300	Fiber Optic Splice	EACH	2.000	2.000	
0168	690.0150	Sawing Asphalt	LF	586.000	586.000	
)170	690.0250	Sawing Concrete	LF	554.000	554.000	
)172	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000	
)174	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	700.000	700.000	
)176	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000	
)178	SPV.0045	Special 01. Temporary Detectable Warning Fields	DAY	64.000	64.000	
)180	SPV.0043	Special 01. Traffic Signal Controller & Cabinet (Mormon Coulee Rd & Broadview PI)	EACH	1.000	1.000	
)182	SPV.0060 SPV.0060	Special 01. Tranc Signal Controller & Cabinet (Mormon Coulee Rd & Broadview Pf) Special 02. Remove, Salvage, & Reinstall EVP System (Mormon Coulee Rd & Broadview Pl)	EACH	1.000	1.000	
)184	SPV.0060	Special 03. Remove, Salvage, & Reinstall Traffic Signal Interconnect	EACH	1.000	1.000	
0186	SPV.0060	Special 04. Install Video Detection System (Mormon Coulee Rd & Broadview Pl)	EACH	1.000	1.000	
)188	SPV.0000	Special 01. Marking Crosswalk Paint Transverse Line 12-Inch	LF	30.000	30.000	
)190	SPV.0165	Special 01. Concrete Raised Median	SF	712.000	712.000	

3

Page 2

									REMOVING TRAFFIC SIGNALS MORMON COU	Lee RD & Broadview PL	
		REMOVAL ITEMS								204.9060.S.01	
			204.0100			REMOVING TRAFFIC SIGNALS					
			201.0100	204.0110	204.0120 REMOVING) 204.0155		(MORMON	I COULEE RD & BROADVIEW PL)	
			REMOVING I				G REMOVING	_	LOCATION	EACH	_
		(CONCRETE A	SPHALTIC	SURFACE	CURB &	CONCRETE		MORMON COULEE RD & BROADVIEW PL	1	
			PAVEMENT	SURFACE	MILLING	GUTTER	SIDEWALK		MORIMON COULEE RD & BROAD VIEW FL	I	
	LOCATION	STATION TO STATION	SY	SY	SY	LF	SY	-	PROJECT TOTALS	1	•
MORMON C	OULEE RD & BROADVIEW PL	102+11 - 106+37	10	17	292	69	198				
	PROJECT TOTALS		10	17	292	69	198		REMOVING LOOP DETECTOR WIRE A MORMON COULEE RD & BRO		
										204.9060.S.02	
									REMO	VING LOOP DETECTOR WIRE	
									(100010)	& LEAD-IN CABLE	
									(MORMON	I COULEE RD & BROADVIEW PL) EACH	
		CONCRETE PAVEMENT ITEMS						-			•
			# 390.0303	115 000	0 416.061	10 416 0620	ı		MORMON COULEE RD & BROADVIEW PL	1	
			090.0003	+10.008		10 - 10.0020	,	-	PROJECT TOTALS	1	
			BASE	CONCRE	TE DRILLE	D DRILLED)				
			PATCHING	6 PAVEME	NT TIE	DOWEL			ASPHALT PAVEMENT ITEN	<u>IS</u>	
			CONCRET	E 9-INCH	I BARS	BARS					
	LOCATION	STATION TO STATIO	N SY	SY	EACH	EACH	_			455.0605 460.62	
MORMON COU	LEE RD & SHELBY RD/BROAD VI	EW PL 102+11 - 106+37	7 70	24	64	130	_			HM	
	PROJECT TOTALS		70	24	64	130	_			TACK PAVEN	
				24	04	100			LOCATION STATIO	COAT 4 MT 58 N TO STATION GAL TO	
	D BE 20% OF ASPHALTIC SURFA		INCLUDES E	BASE PATCH	HES FOR ME	EDIAN		MORI		- 106+37 27 45	
TRAFFIC SIGNA	L BASE AND PULL BOX REMOVAL	_5.									
									PROJECT TOTALS	27 45	5
		CONCRETE MISCE		Me					BASE AGGREG	ATE ITEMS	
		<u>CONCRETE MISCE</u>	LANEOUS							305.0120 624.01	100
			601.041 ⁻	7 60 ⁻	1.0600 6	602.0410	602.0505	SPV.0165.01		BASE	100
			CONCRE		U		CURB RAMP			AGGREGATE	
			CURB & GU		ICRETE CO	ONCRETE	DETECTABLE	CONCRETE		DENSE	
			30-INCF				WARNING FIELD			1 1/4-INCH WATE	ER
			TYPE K	PEDE	ESTRIAN	5-INCH	YELLOW	MEDIAN	LOCATION	TON MGA	
	LOCATION	STATION TO STATION	LF		LF	SF	SF	SF	MORMON COULEE RD & BROADVIE		
MORMON	COULEE RD & BROADVIEW PL	102+11 - 106+37	69		28	633	20	712	PROJECT TOTALS		
	PROJECT TOTALS		69		28	633	20	712	PROJECTIOTALS	20 1	
										IAL UNDERNEATH REMOVED	
									CURB & GUTTER OR SIDEWALK ALL ITE	MS CATEGORY 0010 UNLESS	NOT
	1-03-75	HWY: USH 14		TY: LA CR						SHEET NO:	

				E	ROSION CONTR	ROL IT	EMS												R	ESTORATI
			ATION		STATION T		ATION	628.190 MOBILIZAT EROSIC CONTRO EACH	IONS IN DL	628.1910 MOBILIZATIO EMERGENC EROSION CONTROL EACH	NS Y Pf	628.7015 INLET ROTECTIC TYPE C EACH			MORMON		ATION RD & BF	ROADV		STATIC 102+1
			RD & BROAD\	VIEW PL	102+11	- 10	6+37	2		1		2		UNDIS	STRIBUTED)				
												1				F	ROJEC	Τ ΤΟΤΑ	LS	
		P	ROJECT TOTA	ALS				2		1		3								
Ĩ												TRAFFIC C	ONTE	ROL ITEM	<u>s</u>					
			603.8000	603.8125	603.8500 ANCHORING		8.0300	643.0	0410	643.0	420	643.	0705	643	.0715	643.0800) 64	43.0900	# 0 643.092 TRAFFIC	
	CONCRETE BAR TEMPORARY PRE DURATION DELIVERED INST LOCATION DAYS LF I		RYPRECAST	_	BARRIER TRAFFIC EMPORARY CONTRO PRECAST DRUMS		L BARRICADES		TRAFFIC CONTRO S BARRICAD TYPE III			TF CC WARN			TRAFFIC CONTRO ARROW BOARDS	L T C(RAFFIC ONTRC SIGNS	L SIGNS	NG CONTI SIGN	
	LOCATION MORMON COULE			LF	LF	QTY'	* DAY	QTY*	DAY	Y QTY*	DAY	QTY*	DAY	QTY*	DAY	QTY* DA	Y QT	Y* DA	Y EACH	QTY*
	STAGE		62.5	62.5	62.5	23	828	3	108	6	216	15	540	14	504	1 36	27	7 97	2 2	4
	STAGE 2		87.5	87.5	87.5	25	700	3	84	7	196	17	476		392	1 28				
	STAGE					62				10	250	20	500		550	2 50				
	SUBTOTALS	S 89	150	150	150		3,078		192	2	662		1,516	6	1,446	114	1	2,5	53 4	
	UNDISTRIBUTED)					154		10		34		76		73	6		12	8	
	PROJECT T	OTALS	150	150	150		3,232		202	2	696		1,592	2	1,519	120)	2,68	81 4	
	* FOR INFORMAT # TWO TOTAL SIG		STAGE. ONE	CYCLE OF C	OVERING/UNC	OVEF	RING EA	ACH SIGN.				PAVEME	NT MA	ARKING						
								LOCATI	ON			STATION	то	STATION	646.3005 MARKING LINE PAINT 8-INCH LF		Mark G Sto / Lin Pair	(ING OP C IE T NT	SPV.0090 MARKIN ROSSWALK RANSVERSI 12-INCH LF	G PAINT E LINE
						MOF	RMON C			OAD VIEW PL		102+11			473	3	70		30	
								PRC	JECT	TOTALS					473	3	70)	30	
	PROJECT NO:				HWY: USH 14			COL	JNTY	: LA CROSS					US QUAN	TITIES				
	FILE NAME : T:\1190937.	.02\CIVIL 3D\164103	04\Design\Quantitie	es\030201_mq-MC.p	opt							PLOT DATE	: 4/29/20	22 7:39 AM	PL	OT BY :			PLOT NAME	: 030201_mg

PLOT NAME : 030201_mq

TION ITEMS

			625.0100			631.0300			
						SOD			
						WATER			
		STATION		CW		MGAL	SY		
2+11	-	106+37	8	0.5)	0.2	8		3
			1	0.1		0.1	1		
			9	0.6	6	0.3	9		
3.10	50	644.1420	644.16	601 6	644.18	10 S	PV.004	5.01	
RAFF	IC					т	EMPOF	RARY	
) NTR		TEM	PORARYF	PEDESTR	IAN		ETECT		
		SURFACE	CUR	В			WARN	ING	
PCMS	S F	PLYWOOD	RAM	P BA	RRIC	ADE.	FIELD	os	
Ύ* D	AY	SF	QTY* [DAY	LF		SF*	DAY	
4 2	28	100	1	36	104		10	36	
		25		28	74		10	28	
2	28	125		64	178			64	
		10		4	10				
2	28	135		68	188			64	
Γ									
-									
_									
_			EMS CAT	EGORY	0010	UNLESS		ED	
					_				
ma		PLOT SCAL	F : 1.000000	1 00000	SHE	ET NO:		E	

								REMOVING TRAFFIC SIGNALS MORMON COULE	erd & Broadview PL
	REMOVAL ITEMS								204.9060.S.01
		204.0100	204.0110	204.0120 REMOVING		0 204.0155	1		TRAFFIC SIGNALS OULEE RD & BROADVIEW PL)
		REMOVING				G REMOVING	L	OCATION	EACH
		CONCRETE A							
		PAVEMENT		MILLING	GUTTER		N	IORMON COULEE RD & BROADVIEW PL	1
LOCATION	STATION TO STATION	SY	SY	SY	LF	SY	-	PROJECT TOTALS	1
MORMON COULEE RD & BROADVIEW PL	102+11 - 106+37	10	17	292	69	198			
PROJECT TOTALS		10	17	292	69	198		REMOVING LOOP DETECTOR WIRE AND MORMON COULEE RD & BROAD	
									204.9060.S.02
									IG LOOP DETECTOR WIRE
							L	OCATION	OULEE RD & BROADVIEW PL) EACH
	CONCRETE PAVEMENT ITEMS	<u>.</u>					-		
		# 390.0303	415.009	0 416.061	10 416.0620	0	N	IORMON COULEE RD & BROADVIEW PL	1
		200.0000				-	-	PROJECT TOTALS	1
		BASE	CONCRE	TE DRILLE		C			
		PATCHING	6 PAVEME	NT TIE	DOWEL			ASPHALT PAVEMENT ITEMS	
		CONCRET							
LOCATION	STATION TO STATIO		SY	EACH		_			455.0605 460.622
MORMON COULEE RD & SHELBY RD/BROADVIE	EW PL 102+11 - 106+3	7 70	24	64	130				HMA TACK PAVEME
PROJECT TOTALS		70	24	64	130	_			COAT 4 MT 58-2
								LOCATION STATION	TO STATION GAL TON
# ESTIMATED TO BE 20% OF ASPHALTIC SURFA TRAFFIC SIGNAL BASE AND PULL BOX REMOVAL		D INCLUDES E	BASE PATCH	HES FOR ME	EDIAN		MORM		- 106+37 27 45
								PROJECT TOTALS	27 45
								PROJECTIONALS	27 45
								BASE AGGREGATI	EITEMS
	CONCRETE MISCE	LLANEOUSTIE	<u>=MS</u>						205 0420 - 624 040
		601.041	7 60 <i>°</i>	1.0600 6	602.0410	602.0505	SPV.0165.01		305.0120 624.010 BASE
		CONCRE		1.0000 0	502.0410	CURB RAMP	GI V.0100.01		AGGREGATE
		CURB & GUT		ICRETE CO	ONCRFTF		CONCRETE		DENSE
		30-INCH				WARNING FIELD	RAISED		1 1/4-INCH WATER
		TYPE K			5-INCH	YELLOW	MEDIAN	LOCATION	TON MGAL
LOCATION	STATION TO STATION			LF	SF	SF	SF	MORMON COULEE RD & BROADVIEW	
MORMON COULEE RD & BROADVIEW PL	102+11 - 106+37	69		28	633	20	712		
PROJECT TOTALS		69		28	633	20	712	PROJECT TOTALS	20 1
PROJECT ICIALS		69		20	033	20	112	QUANTITY INCLUDED FOR ADDING MATERIA	L UNDERNEATH REMOVED
								CURB & GUTTER OR SIDEWALK ALL ITEMS	SCATEGORY 0010 UNLESS N
ROJECT NO: 1641-03-75	HWY: USH 14	001111	TY: LA CR		MICO				SHEET NO:

				Ef	ROSION CONTR	NTROL ITEMS									RESTORAT								
			ATION RD & BROADV	VIEW PI	STATION T 102+11		ATION	628.190 MOBILIZATI EROSIO CONTRO EACH 2	ONS N	628.1910 MOBILIZATION EMERGENC ^Y EROSION CONTROL EACH 1	IS Y	628.7015 INLET ROTECTIC TYPE C EACH 2			MORMON	COULEE	ATION RD & B	ROADV	_	STA 102	TIC		
	UNDISTRIBUT				102 • 11		.0.07							UNDIS	STRIBUTED								
			ROJECT TOTA	ALS				2		1		3				F	PROJEC	ΓΤΟΤΑ	LS				
						0.40		0.40.0				TRAFFIC C			_				#				
	CONCRETE BARRIER TEMPORARY PRECAS DURATION DELIVERED INSTALLE LOCATION DAYS LF LF		RYPRECAST	_	NCHORING ONCRETE BARRIER TRAFFIC EMPORARY CONTROL		643.0 TRAF CONT BARRIC TYP	FIC ROL	643.04 TRAFI CONTE S BARRIC. TYPE	FIC ROL ADES	s <u>v</u>	СС	RAFFIC NTROL ING LIGH		643.0800 TRAFFIC CONTRO ARROW BOARDS	L T C	43.0900 TRAFFIC ONTRC SIGNS	TRAFF CONTR C COVERI DL SIGNS	IC OL TR NG COM S SI	AFI			
_	LOCATION MORMON COULE			LF	LF	QTY*	DAY	QTY*	DAY	QTY*	DAY	QTY*	DAY	QTY*	DAY	QTY* DA	Y QT	'Y* DA	AY EACH	I QTY	*		
	STAGE 2 STAGE 2 STAGE 3 SUBTOTALS	2 28 3 25	62.5 87.5 150	62.5 87.5 150	62.5 87.5 150	23 25 62	828 700 1550 3,078		108 84 192	7 10	216 196 250 662	15 17 20	540 476 500 1,516	14 22	504 392 550 1,446	1 36 1 28 2 50 114	2	7 75	6 2 5	4 			
	UNDISTRIBUTED)					154		10		34		76		73	6		12	8				
	PROJECT T	OTALS	150	150	150		3,232		202	!	696		1,592	2	1,519	12)	2,68	81 4				
	* FOR INFORMAT # TWO TOTAL SIG		STAGE. ONE	CYCLE OF C	OVERING/UNC	OVEF	RING EA	ACH SIGN.				PAVEME	NT MA	ARKING	646.3005 MARKING LINE PAINT 8-INCH		MARI G STO	KING OP C NE T	SPV.0090 MARKIN CROSSWALI FRANSVERS 12-INC	NG K PAINT BE LINE			
						MOR		LOCATIO		OADVIEW PL		STATION 102+11			LF 473	EACH 3	12-IN 7(LF 30		•		
										TOTALS					473	3	7	0	30		•		
	PROJECT NO:	1641-03-75			HWY: USH 14			COU	NTY	: LA CROSSE	E	М	SCEL	LANEO	US QUAN	TITIES					—		
1	FILE NAME : T:\1190937.	.02\CIVIL 3D\164103	04\Design\Quantitie	es\030201 ma-MC.r	tao							PLOT DATE	: 6/9/202	2 8:08 AM	PL	OT BY :			PLOT NAME	:030201 r	na		

PLOT NAME : 030201_mq

TION ITEMS

	6		629.0210				
			FERTILIZER				
			TYPE B				1
ATION TO				MGAL	SY		I
2+11 -	106+37	8	0.5	0.2	8	3	
		1	0.1	0.1	1		
		9	0.6	0.3	9]
3.1050 64	44.1420	644.160	1 644.18	810 \$	SPV.004	5.01	
RAFFIC				Т	EMPOR	ARY	
	TEMPC	RARYPE	DESTRIAN		ETECT		
SIGNS SU	JRFACE	CURB			WARNI	NG	
PCMS PL	YWOOD	RAMP	BARRIC	ADE	FIELD	s	
Y* DAY	SF	QTY* DA	Y LF		SF*	DAY	
4 28	100	1 36	6 104	1	10	36	
	25	1 28			10	28	
28	125	64	4 178	3		64	
	10	4	10				
28	135	68	3 188	3		64	
Γ							
-							
_							
_	ALL ITEM	MS CATF	GORY 001	0 UNLESS	S NOTF	D	
_		MS CATE	GORY 001	0 UNLESS	S NOTE	D E	

				TEMPC	ORARY P	AVEMENT	MARKING										
						TEI	649.01 MPORARY		649.0960 EMPORARY MARKII	IG			CONSTRUCTION STAKING	<u>ITEMS</u>			
						l	INE REMC	NCH	REMOVABLE MASK OUT					650.7000	650.8500.01 CONSTRUCT		
							(WHIT	E)	TAPE 6-INCH						ELECTRICAL		SUPPLEMEN
	MORMON						LF		LF						INSTALLATIONS	S CURB	CONTROL
	MORINON	COULE		RUAD VII		AGE 1	115							PAVEMENT		RAMPS	1641-03-7
						AGE 2	115		 140	_		OCATION	STATION TO STATION		LS	EACH	LS
											MORMON COU	EE RD & BROADVIEW PL	102+11 - 106+37	32	1	2	1
						AGE 3 TOTAL	230					PROJECT TOTALS		32	1	2	1
		PROJ	ECT TOTA	LS			230		140	—							
													REMO	VAL QUANTIT	IES		
						PE	RMANENT	SIGNING								53.0900	653.0905
															REMOVING AD		REMOVING
				637.2		638.2602								ITEM	CONCRETE PUI BASES	LL BOXES	PULL BOXES
		c	IGN	SIG			SIGN					LOCATION		NO.		EACH	EACH
			SIZE	TYP REFLE		REMOVING SIGNS	MOUNT						EE RD & BROADVIEW PL	SB4	1		
SIGN	SIGN		хн	H		TYPE II	POST							SB5	1		
CODE	SIZE	IN	IN	SF	=	EACH	#		DESCRIPTION		NOTES			SB9	1		
M1-94H	2M	90	X 30	19	9	1	SB4	OVERH	HEAD STREET NAME	SIGN SHELBY	RD / BROADVIEW PL			SB10	1		
M1-94H	2M	90	X 30	19	9	1	SB8	OVERH	HEAD STREET NAME	SIGN SHELBY	RD / BROADVIEW PL			PB1 PB6		1	
PROJEC	TTOTALS			38	2	2								PB7		1	
					5	-								PB8		1	
														PB12			1
														PB14			1
												PROJECT TOTAL	S		4	3	3
CONDUIT ITEMS							<u>Conduit i</u>	<u>TEMS</u>					CON	CRETE BASES			
								652.0225	652.0235 CONDUIT RIGID	652.0700.S INSTALL							
								NDUTERIGID		CONDUIT							654.0
								HEDULE 40		INTO							CONC
							-	2-INCH	3-INCH	EXISTING ITEM	CONSTRUCTION		SIGNA				BAS TYPE
LOCATIO					FRO		ТО	LF	LF	EACH	METHOD		BASE	-			SPEC
MORMON	N COULEE F	≺D & BF	OADVIEV	V PL	PB1 PB7		CV1	25		1	TRENCH	LOCATION	NO.	AL	IGNMENT S	STATION O	
					PB7 PB1		SB4 SB8		9 17	1	TRENCH TRENCH	MORMON COULEE RD & I			N COULEE RD 1		
							PB6	5			TRENCH		SB8	MORMO	N COULEE RD 1	03+11.7 5	4.6'LT 1
							B12	5			TRENCH	PROJECT TOTALS					2
PROJECT	T TOTALS							35	26	3		FROJECT TOTALS		ALL	TEMS CATEGO	ORY 0010	
ROJECT	Γ NO: 1641	1-03-75				HWY: U	SH 14		COUNTY: LA C	ROSSE	MISCELLANEOU	S QUANTITIES				SHEF	T NO:
NUJEUI	110.104	1-03-73	04\Design\Q							PLOT					ALE : 1.000000:1.00000		

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (1 OF 2)

			655.0230	655.0240	655.0260	655.0320	655.0515	655.0610
			CABLE	CABLE	CABLE	CABLE TYPE	ELECTRICAL	ELECTRICAL
			TRAFFIC	TRAFFIC	TRAFFIC	TYPE UF	WIRE TRAFFIC	WIRE
			SIGNAL	SIGNAL	SIGNAL	2-10 AWG	SIGNALS	LIGHTING
			5-14 AWG		12-14 AWG	GROUNDED	10 AWG	12 AWG
LOCATION	FROM	ТО	LF	LF	LF	LF	LF	LF
MORMON COULEE RD & BROADVIEW PL	CB1	SB1			21		21	
	CB1	SB2			152			
	CB1	SB3			136	136		
	CB1	SB4			237			
	CB1	SB5			270			
-	CB1	SB6			192			
	CB1	SB7			169	169		
	CB1	SB8			79		79	
	SB1	SB2					149	
	SB2	SB3					40	
-	SB3	SB4					123	
	SB4	SB5					63	
	SB7	SB8					138	
	SB6	SB7					52	
	PB1	SB1					16	
-	PB2	SB3					53	
	PB3	SB3					16	
	PB7	SB4					22	
	PB8	SB5					19	
	PB9	SB7					21	
-	PB13	SB8					30	
					4050	0.05	0.40	
SUBTOTAL					1256	305	842	

(CONTINUED ON NEXT PAGE)

PROJECT NO: 1641-03-75	HWY: USH 14	COUNTY: LA CROSSE	MISCELLANEOU	S QUANTITIES	
	0	BI OT	DATE . 6/0/2022 9:08 AM	DIOT DV .	

3

FILE NAME : T:\1190937.02\CIVIL 3D\16410304\Design\Quantities\030201_mq-MC.ppt

PLOT DATE : 6/9/2022 8:08 AM PLOT BY : PLOT NAME : 030201_mq

۹L.	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF

3

ALL ITEMS CATEGORY 0010 UNLESS NOTED

	SHEET NO:		Е
PLOT SCALE : 1.000000:1.000000	WISDOT / CADDS	SHEET	42

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (2	2 OF 2)
---	---------

ROJECT NO: 1641-03-75		HWY: USH 14		COUN	TY: LA CRO	SSE	MISCELLANE	OUS QUANTI	LIES
ROJECT TOTALS			413	185	1256	305	842	246	48
SUBTOTAL			413	185				246	48
	SB8	PUSH BUTTON							6
-	SB8	HEAD 22	15						
_	SB8	HEAD 14		72					
	SB8	HEAD 13	70						
	SB7	LUMINAIRE						123	
	SB7	PUSH BUTTON							6
-	SB7	HEAD 21	15						
	SB7 SB7	HEAD 12		 23					
	SB6 SB7	PUSH BUTTON HEAD 11	 22						6
	SB6	HEAD 20	15						
	SB6	HEAD 9	19						
-	SB5	PUSH BUTTON							6
	SB5	HEAD 19	15						
	SB5	HEAD 10	19						
	SB5	HEAD 8	19						
-	SB4	PUSH BUTTON							6
	SB4	HEAD 18	15						
	SB4	HEAD 7		67					
	SB4	HEAD 6	65						
	SB3	LUMINAIRE						123	
-	SB3 SB3	HEAD 17 PUSH BUTTON	15						6
	SB3	HEAD 5	22						
	SB3	HEAD 4		23					
	SB2	PUSH BUTTON							6
-	SB2	HEAD 16	15						
	SB2	HEAD 3	19						
	SB1	PUSH BUTTON							6
	SB1	HEAD 15	15						
IORMON COULEE RD & BROADVIEW PL	SB1 SB1	HEAD 1 HEAD 2	19 19						
	FROM	TO	LF	LF	LF	LF	LF	LF	LF
						GROUNDED	10 AWG	12 AWG	CABLE
			SIGNAL	SIGNAL	SIGNAL	2-10 AWG	SIGNALS	LIGHTING	LEAD IN
			TRAFFIC	TRAFFIC	TRAFFIC	TYPE UF	WIRE TRAFFIC	WIRE	DETECTOR
			CABLE	CABLE	CABLE	CABLE TYPE	ELECTRICAL	ELECTRICAL	LOOP

PLOT NAME : 030201_mq

FILE NAME : T:\1190937.02\CIVIL 3D\16410304\Design\Quantities\030201_mq-MC.ppt

PLOT DATE : 6/9/2022 8:08 AM

PLOT BY :

ELECTRICAL SERVICE METER BREAKER PEDESTAL

656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (MORMON COULEE RD & BROADVIEW PL) LS

COULEE RD & BROADVIEW PL

1

1

TOTAL

ALL ITEMS CATEGORY 0010 UNLESS NOTED

PROJECT I	NO: 1641-03-75	Y: USH	14	COUNTY: LA CROS	SE	MISCELLA	NEOUS QU	ANTITIES				
	++ INCIDENTAL TO 658.0416		4.4		05							
	+ INCIDENTAL TO 658.0173 OR 658.017	'5			Ŧ	•	•	•	÷	č	J	
	PROJECT TOTALS				4	4	4	4	8	8	8	
		SB8	22	PEDESTRIAN								
		SB8 SB8	13 14	MONOTUBE ARM MOUNT VERTICAL MONOTUBE ARM MOUNT VERTICAL		 1	1 	 1	1 1	1 1	1 1	
		SB7	21	PEDESTRIAN								
		SB7 SB7	11 12	POST MOUNT VERTICAL POST MOUNT VERTICAL		 1	1	 1	ו 1	1 1	1	
		SB6 SB7	20 11	PEDESTRIAN POST MOUNT VERTICAL	 1		 1		 1	 1		
		SB5	19	PEDESTRIAN								
		SB4	18	PEDESTRIAN								
		SB4 SB4	6 7	MONOTUBE ARM MOUNT VERTICAL		 1		 1	1	1	1	
		SB3 SB4	17 6	PEDESTRIAN MONOTUBE ARM MOUNT VERTICAL			 1		 1	 1		
		SB3	5	POST MOUNT VERTICAL	1		1		1	1	1	
		SB3	4	POST MOUNT VERTICAL		1		1	1	1	1	
		SB2	16	PEDESTRIAN								
	MORMON COULEE RD & BROADVIEW F	NO PL SB1	<u>NO</u> 15	PEDESTRIAN	EACH 	EACH 	EACH 	EACH 	EACH	EACH	EACH	E
	LOCATION		HEAD NO	TYPE OF MOUNT	3S 12-INC EACH	H 5S 12-INCH EACH		EACH	EACH	EACH	EACH	F
			SIG.		SIGNAL FACE	SIGNAL FACE	3-SEC	5-SEC	RED BALL	YELLOW BALL	GREEN BALL	YE AF
					658.0173 TRAFFIC	658.0175 TRAFFIC	+ BACKPLATE	+ BACKPLATE	+ LED	+ LED	+ LED	
						SIGNAL FAC	<u>CES</u>					
				PROJECT TO	TALS		1					
				MORMON COULEE RD &		W PL	1					
				LOCATION			L	8				
						(MORMC		D & BROADVIE	EW PL)			
						TE		AFFIC SIGNAL	S			
				TEMPO	RARY TRAFF	IC SIGNALS FC	OR INTERSECT	IONS				
								PROJE	CT TOTAL	S		
	PROJECT TOTALS			1							SB8	
	MORMON COULEE RD & BROADVIEW PL			1							SB4 SB5	
	LOCATION			LS				ATION MON COULEE	RD & BR	OADVIEW P	NO L SB1	
				JNTING HARDWARE EE RD & BROADVIEW PL)							SIGNAL BASE	- {
			65	8.5069.01								6
	SIGNAL MOUNTIN MORMON COULEE RE			PL								
										SIGN/	AL BASES	, PO

LES, AND MAST ARMS

657.0347	657.0541	657.0546	658.0500
POLES	MONOTUBE	MONOTUBE	PEDESTRIAN
TYPE 9	ARMS	ARMS	PUSH
SPECIAL	40-FT SPECIAL	45-FT SPECIAL	BUTTONS
EACH	EACH	EACH	EACH
			1
1	1		1
			1
1		1	1
2	1	1	4

	+	658.0416	++	
LED	LED		LED MODULES	
ELLOW	GREEN	SIGNAL	COUNTDOWN	
RROW	ARROW	FACE	TIMER	
		16-INCH	16-INCH	
EACH	EACH	EACH	EACH	
		1	1	
		1	1	
1	1			
		1	1	
1	1			
		1	1	
		1	1	
		1	1	
1	1			
		1	1	
1	1			
		1	1	
4	4	8	8	
	ALL ITI	EMS CATEGO	RY 0010 UNLES	SS NOTED
			SHEET NO	: E

		COMMUNICATION VAULT TYPE 1				FIBER OPTIC SF
	LOCATION	COMMUNIC TY	.0105 ATION VAULT PE 1 ACH			FIBER OPTIC
-	MORMON COULEE RD & E		1		LOCATION MORMON COULEE RD & BROADV	IEW/ DI
	TOTAL		1			
3	IOTAL		•		TOTAL	
					NAL CONTROLLER & CABINET OULEE RD & BROADVIEW PL SPV.0060.01	Ē
			LOCATION		TRAFFIC SIGNAL CONTROLLER & CABINET (MORMON COULEE RD & BROADVIEW PL) EACH	LOCATION
			MORMON COULEE	rd & Broadvie	EW PL 1	MORMON COULEE F
			PROJEC	T TOTALS	1	PROJECT
	VE, SALVAGE, & REINSTALL T	RAFFIC SIGNAL INTERCONNECT SPV.0060.03 REMOVE, SALVAGE, & REINSTALL TRAFFIC SIGNAL INTERCONNECT	LOCATION		VIDEO DETECTION SYSTEM COULEE RD & BROADVIEW PL SPV.0060.04 INSTALL VIDEO DETECTION SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH	LOCA
	LEE RD & BROADVIEW PL	EACH 1	MORMON COULEE	RD & BROADV		MORMON COULEE R
	DJECT TOTALS	1		CT TOTALS	1	- -
			QUANTI		E CITY FURNISHED MATERIALS DESCRIPTION VIDEO DETECTION SYSTEM	
PROJECT NO	: 1641-03-75	HWY: USH 14	COUNTY: LA CR	OSSE	MISCELLANEOUS QUANTITIES	

PLICING 678.0200 678.0300 CSPLICE ENCLOSURE FIBER OPTIC SPLICE EACH EACH 1 2 1 2 1 2 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 T TOTALS 1 SAWING 690.0150 690.0250	678.0200 SPLICE ENCLOSURE EACH 1 2 1 2 1 2 EMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 TOTALS 1			
C SPLICE ENCLOSURE FIBER OPTIC SPLICE 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 SPU0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 T TOTALS 1	ESPLICE ENCLOSURE FIBER OPTIC SPLICE EACH EACH 1 2 1 2 1 2 EEMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 TOTALS 1 SAWING SAWING SAWING SAWING SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	PLICING		
1 2 1 2 1 2 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 T TOTALS 1	1 2 1 2 SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE NOT COULEE RD & BROADVIEW PL) TOTALS 1 1 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF LF D & BROADVIEW PL 106+37	C SPLICE ENCLOSURE FIBER OPTIC	SPLICE	
1 2 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 T TOTALS 1	1 2 SPV.0060.02 SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH TOTALS 1 SAWING SAWING SAWING SAWING SAWING ASPHALT CONCRETE TON IF LF <td colspandimentary<="" td=""><td>EACH EACI</td><td><u>H</u></td></td>	<td>EACH EACI</td> <td><u>H</u></td>	EACH EACI	<u>H</u>
REMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 1 T TOTALS 1	EEMOVE, SALVAGE, & REINSTALL EVP SYSTEM MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 TOTALS 1 SAWING 690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	1 2		
MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 T TOTALS 1	MORMON COULEE RD & BROADVIEW PL SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL RD & BROADVIEW PL RD & BROADVIEW PL 1 TOTALS SAWING SAWING <t< th=""><th>1 2</th><th></th></t<>	1 2		
SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 1 T TOTALS 1	SPV.0060.02 REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 TOTALS 1 SAWING SAWING SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554			
REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 1 T TOTALS 1 <u>SAWING</u>	REMOVE, SALVAGE, & REINSTALL EVP SYSTEM (MORMON COULEE RD & BROADVIEW PL) EACH RD & BROADVIEW PL 1 TOTALS 1 SAWING SAWING 690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	MORMON COULEE RD & BROADVIEW F	<u>^</u>	
EACH 1 TOTALS 1 SAWING	EACH I RD & BROADVIEW PL 1 TOTALS 1 SAWING 690.0150 690.0250 SAWING SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	REMOVE, SAL\ EVP	/AGE, & REINSTALL SYSTEM	
T TOTALS 1	TOTALS 1 <u>SAWING</u> 690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	•	· •	
SAWING	SAWING 690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	RD & BROADVIEW PL	1	
SAWING	SAWING 690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	T TOTALS	1	
	690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554			
	690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554			
	690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554			
690.0150 690.0250	SAWING SAWING ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554	SAWING		
	ASPHALT CONCRETE TION STATION TO STATION LF LF D & BROADVIEW PL 102+11 - 106+37 586 554		690.0150 690.0250	
SAWING SAWING	TIONSTATION TO STATIONLFLFD & BROADVIEW PL102+11-106+37586554		SAWING SAWING	
	D & BROADVIEW PL 102+11 - 106+37 586 554			
	OJECTTOTALS 586 554			
OJECT TOTALS 586 554		OJECT TOTALS	586 554	
ALL ITEMS CATEGORY 0010 UNLESS NOTED	ALL ITEMS CATEGORY 0010 UNLESS NOTED	ALL ITEMS CATEGORY 001	IU UNLESS NOTED	
ALL ITEMS CATEGORY 0010 UNLESS NOTED				

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (1 OF 2)

			655.0230	655.0240	655.0260	655.0320	655.0515	655.0610
			CABLE	CABLE	CABLE	CABLE TYPE	ELECTRICAL	ELECTRICAL
			TRAFFIC	TRAFFIC	TRAFFIC	TYPE UF	WIRE TRAFFIC	WIRE
			SIGNAL	SIGNAL	SIGNAL	2-10 AWG	SIGNALS	LIGHTING
			5-14 AWG	7-14 AWG	12-14 AWG	GROUNDED	10 AWG	12 AWG
LOCATION	FROM	ТО	LF	LF	LF	LF	LF	LF
MORMON COULEE RD & BROADVIEW PL	CB1	SB1			21		21	
	CB1	SB2			152			
	CB1	SB3			136	136		
	CB1	SB4			237			
	CB1	SB5			270			
-	CB1	SB6			192			
	CB1	SB7			169	169		
	CB1	SB8			79		79	
	SB1	SB2					149	
	SB2	SB3					40	
_	SB3	SB4					123	
	SB4	SB5					63	
	SB7	SB8					138	
	SB6	SB7					52	
	PB1	SB1					16	
	PB2	SB3					53	
	PB3	SB3					16	
	PB7	SB4					22	
	PB8	SB5					19	
	PB9	SB7					21	
-	PB13	SB8					30	
SUBTOTAL					1256	305	842	

(CONTINUED ON NEXT PAGE)

HWY: USH 14 COUNTY: LA CROSSE PROJECT NO: 1641-03-75 MISCELLANEOUS QUANTITIES PLOT BY :

3

FILE NAME : T:\1190937.02\CIVIL 3D\16410304\Design\Quantities\030201_mq-MC.ppt

PLOT DATE : 4/29/2022 7:39 AM

PLOT NAME : 030201_mq

0 CAL IG G	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF

3

ALL ITEMS CATEGORY 0010 UNLESS NOTED

	SHEET NO:		Ε
PLOT SCALE : 1.000000:1.000000	WISDOT / CADDS	SHEET	42

ROJECT NO: 1641-03-75		HWY: USH 14		COUN	TY: LA CRO	SSE	MISCELLANE		TIES
PROJECT TOTALS			413	185	1256	305	842	246	48
SUBTOTAL			413	185				246	48
	SB8	PUSH BUTTON							6
-	SB8	HEAD 22	15						
_	SB8	HEAD 14		72					
	SB8	HEAD 13	70						
	SB7	LUMINAIRE						123	
	SB7	PUSH BUTTON							6
-	SB7	HEAD 21	15						
	SB7	HEAD 12		23					
	SB0 SB7	HEAD 11	22						
	SB6 SB6	PUSH BUTTON	15 						 6
	SB6 SB6	HEAD 9 HEAD 20	19 15						
_	SB5	PUSH BUTTON							6
	SB5	HEAD 19	15						
	SB5	HEAD 10	19						
	SB5	HEAD 8	19						
	SB4	PUSH BUTTON							6
-	SB4	HEAD 18	15						
	SB4	HEAD 7		67					
	SB4	HEAD 6	65						
	SB3	LUMINAIRE						123	
-	SB3	PUSH BUTTON							6
	SB3	HEAD 17	15						
	SB3	HEAD 5	22						
	SB2 SB3	HEAD 4		 23					0
	SB2 SB2	HEAD 16 PUSH BUTTON	15 						 6
_	SB2	HEAD 3	19						
	SB1	PUSH BUTTON							6
	SB1	HEAD 15	15						
	SB1	HEAD 2	19						
IORMON COULEE RD & BROADVIEW PL	SB1	HEAD 1	19						
OCATION	FROM	ТО	LF	LF	LF	LF	LF	LF	LF
				7-14 AWG		GROUNDED	10 AWG	12 AWG	CABLE
			SIGNAL	SIGNAL	SIGNAL	2-10 AWG	SIGNALS	LIGHTING	LEAD IN
			TRAFFIC	TRAFFIC	TRAFFIC	TYPE UF	WIRE TRAFFIC	WIRE	DETECTOR
			CABLE	CABLE	CABLE	CABLE TYPE	ELECTRICAL	ELECTRICAL	LOOP

FILE NAME : T:\1190937.02\CIVIL 3D\16410304\Design\Quantities\030201_mq-MC.ppt

PLOT DATE : 4/29/2022 7:39 AM

PLOT BY :

PLOT NAME : 030201_mq

ELECTRICAL SERVICE METER BREAKER PEDESTAL

656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (MORMON COULEE RD & BROADVIEW PL) LS

COULEE RD & BROADVIEW PL

1

1

TOTAL

ALL ITEMS CATEGORY 0010 UNLESS NOTED

			• •									
PROJECT	++ INCIDENTAL TO 658.0416	Y: USH	14	COUNTY: LA CROS	SE	MISCELLA						
	+ INCIDENTAL TO 658.0173 OR 658.017	5			4	4	4	4	õ	o	Ŏ	
	PROJECT TOTALS				Λ	Α	A	Α	8	8	8	
		SB8 SB8	22	PEDESTRIAN	 			1	1	1		
		SB8 SB8	13 14	MONOTUBE ARM MOUNT VERTICAL MONOTUBE ARM MOUNT VERTICAL		 1	1		1 1	1	1 1	
		SB7	21	PEDESTRIAN								
		SB7 SB7	11 12	POST MOUNT VERTICAL POST MOUNT VERTICAL	1 	 1	1 	 1	1 1	1 1	1 1	
		SB6	20									
		SB5	19	PEDESTRIAN								
		SB4 SB4	7 18	PEDESTRIAN							ı 	
		SB4 SB4	6 7	MONOTUBE ARM MOUNT VERTICAL MONOTUBE ARM MOUNT VERTICAL		 1	1 	 1	1 1	1 1	1 1	
		SB3	17									
		SB3	5	POST MOUNT VERTICAL	1		1		1	1	1	
		SB3	4	POST MOUNT VERTICAL		1		1	1	1	1	
	MORMON COULEE RD & BROADVIEW P	L SB1 SB2	15 16	PEDESTRIAN PEDESTRIAN								
		NO	NO 15	TYPE OF MOUNT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	E
		BASE	HEAD		3S 12-INC	CH 5S 12-INCH						
		SIG.	SIG.		FACE	SIGNAL FACE	3-SEC	5-SEC	RED BALL	YELLOW BALL	GREEN BALL	YE AF
					TRAFFIC SIGNAL			BACKPLATE	LED RED		LED GREEN	
					658.017		+	+	+	+	+	
						SIGNAL FA	<u>65</u>					
				PROJECT TO	TALS		1					
				MORMON COULEE RD 8	& BROADVIE	EW PL	1					
				LOCATION					/			
						(MORM	FOR INTER	SECTIONS D & BROADVI	EW PL)			
						TE		AFFIC SIGNAL	S			
						TIC SIGNALS FC						
				TEMDO		FIC SIGNALS FC		IONS				
								PROJE	CT TOTAL	S		
	PROJECT TOTALS			1							SB5 SB8	
	MORMON COULEE RD & BROADVIEW PL			1			MOI				SB4	
	LOCATION			LS				ATION MON COULEE	RD & BR		NO L SB1	
	(۸			JNTING HARDWARE EE RD & BROADVIEW PL)							SIGNA BASE	
				58.5069.01							0.01.0	
	MORMON COULEE RE			PL								F
	SIGNAL MOUNTIN		WARF							<u></u>		<u>,</u>
										SIGN	AL BASES	. PO
												2

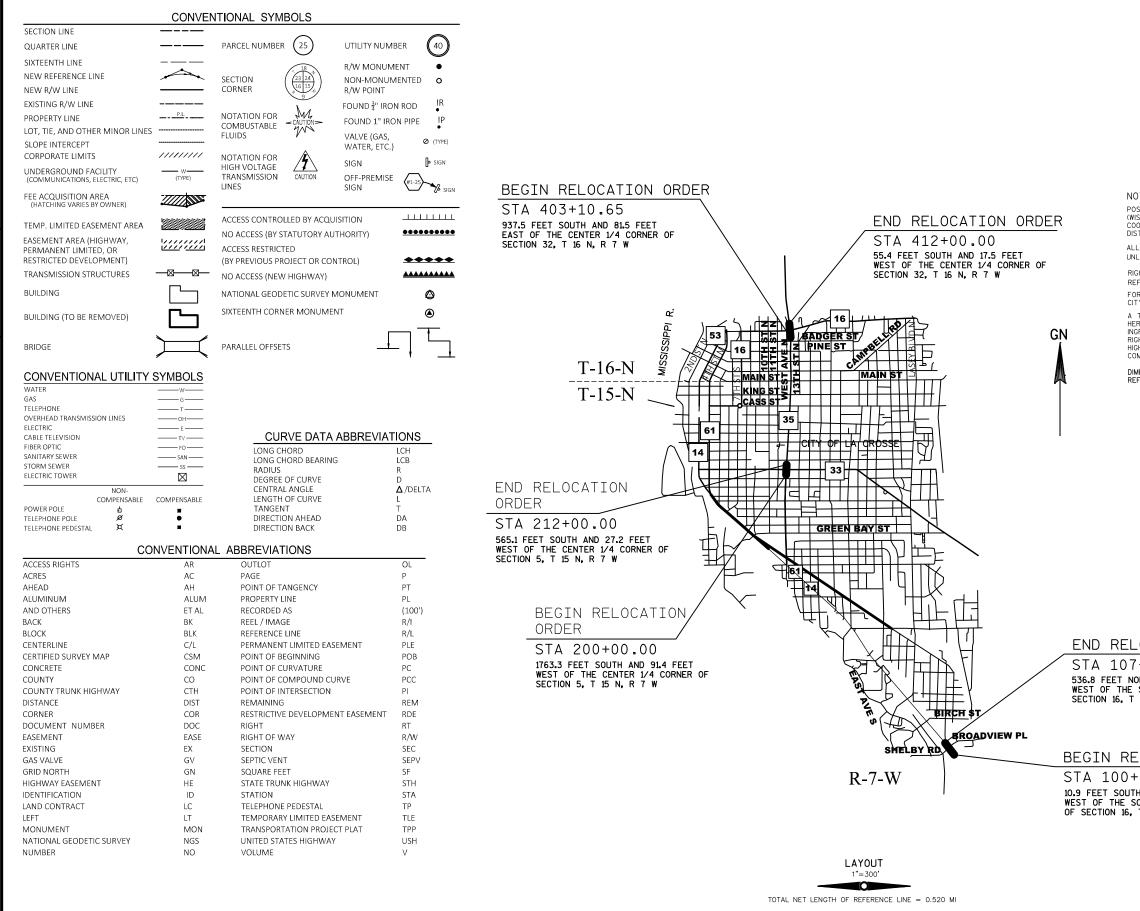
LES, AND MAST ARMS

657.0347	657.0541	657.0546	658.0500
POLES	MONOTUBE	MONOTUBE	PEDESTRIAN
TYPE 9	ARMS	ARMS	PUSH
SPECIAL	40-FT SPECIAL	45-FT SPECIAL	BUTTONS
EACH	EACH	EACH	EACH
			1
1	1		1
			1
1		1	1
2	1	1	4

	+	658.0416	++	
LED	LED		LED MODULES	
ELLOW	GREEN	SIGNAL	COUNTDOWN	
RROW	ARROW	FACE	TIMER	
		16-INCH	16-INCH	
EACH	EACH	EACH	EACH	
		1	1	
		1	1	
1	1			
		1	1	
1	1			
		1	1	
		1	1	
		1	1	
1	1			
		1	1	
1	1			
		1	1	
4	4	8	8	
	ALL ITI	EMS CATEGO	RY 0010 UNLES	SS NOTED
			SHEET NO	: E

	<u>co</u>	MMUNICATION VAULT TYPE 1			FIBER OPTIC SF
	LOCATION	673.010 COMMUNICATIO TYPE EACH	DN VAULT	LOCATION	FIBER OPTIC
-	MORMON COULEE RD & BRO			MORMON COULEE RD & BROADVIE	=\\\/ PI
	TOTAL	1		TOTAL	
6	TOTAL	·		TOTAL	
-				IAL CONTROLLER & CABINET DULEE RD & BROADVIEW PL SPV.0060.01	F
			LOCATION	TRAFFIC SIGNAL CONTROLLER & CABINET (MORMON COULEE RD & BROADVIEW PL) EACH	LOCATION
			MORMON COULEE RD & BROADVIE	EW PL 1	MORMON COULEE F
			PROJECT TOTALS	1	PROJECT
		SPV.0060.03 MOVE, SALVAGE, & REINSTALL AFFIC SIGNAL INTERCONNECT	<u>MORMON C</u>	VIDEO DETECTION SYSTEM COULEE RD & BROADVIEW PL SPV.0060.04 INSTALL VIDEO DETECTION SYSTEM (MORMON COULEE RD & BROADVIEW PL)	LOCA
		EACH		EACH	MORMON COULEE R
	E RD & BROADVIEW PL	1 1	MORMON COULEE RD & BROADV	1EW PL 1 1 1	PR
			QUANTITY 1	CITY FURNISHED MATERIALS DESCRIPTION VIDEO DETECTION SYSTEM	
PROJECT NO: 1	641-03-75	HWY: USH 14	COUNTY: LA CROSSE	MISCELLANEOUS QUANTITIES	

				1
PLICING				
678.0200 C SPLICE ENCLOSURE FIE				
EACH	EACH			┝
1	2			
1	2			
REMOVE, SALVAGE, & REINSTAI		EM		┝
MORMON COULEE RD & BRC	<u>DADVIEW PL</u>			
	SPV.00 NOVE, SALVAO EVP S	GE, & REII YSTEM		
(MORMO	N COULEE F		ADVIEW PL)	
RD & BROADVIEW PL	1			
T TOTALS	1	<u> </u>		
SAWING				
		690.0150	690.0250	
			SAWING	l
TION STATION	TO STATION	ASPHALT LF	CONCRETE LF	l
D & BROADVIEW PL 102+11	- 106+37	586	554	
ROJECT TOTALS		586	554	L
UJECT TOTALS		586	554	
				l
				L
	GORY 0010	UNLESS	NOTED	
ALL ITENIS CATEC				
		ET NO:	E	ł



FEDERAL PROJECT NUMBE	5	SHEET NUMBER	TOTAL SHEETS
N/A		4.01	7
,	RIGHT OF WAY F	EQUIRED FOR	
VARIOU	S INTER	SECTIO	NS
MORMON COULE			
CONSTRUCTION PROJECT NUN 1641-03-75/5120-02-70		LACROSSE	E COUNTY
:			
S SHOWN ON THIS PLAT ARE WI LACROSSE COUNTY, NAD83 (20 ATES, GRID BEARINGS, AND GRID	11) IN US SURVEY FEET	. VALUES SHOWN ARE	GRID
ES. ' RIGHT-OF-WAY MONUMENTS WIL OTHERWISE NOTED. AND WILL BE			
	WITH COURSES OF TH	E PERIMETER OF THE H	IGHWAY LANDS
LATEST ACCESS/DRIVEWAY INF LACROSSE.			
DRARY LIMITED EASEMENT (TLE) INCLUDING THE RIGHT TO OPERA AND EGRESS, AS LONG AS REQ	UIRED FOR SUCH PUBL	C PURPOSE. INCLUDING	THE
D PRESERVE, PROTECT, REMOVE, AUTHORITIES MAY DEEM DESIRA ION OF THE CONSTRUCTION PRO	. OR PLANT THEREON , BLE, ALL (TLES) ON JECT FOR WHICH THIS	NY VEGETATION THAT THE PLAT EXPIRE AT T INSTRUMENT IS GIVEN.	THE HE
NING FOR THE NEW RIGHT-OF-W/ CE LINES.	AY IS MEASURED ALONG	AND PERPENDICULAR	TO NEW
		GRAPHIC REPRESENT RENCE PURPOSES (
ATION ORDER	AND IS FOR REFI		DNLY. MINE
0.00	AND IS FOR REFI DEEDS MUST BE PROPERTY BOUND	RENCE PURPOSES C CHECKED TO DETER	DNLY. MINE RIGHTS.
0.00 AND 1365.6 FEET HEAST CORNER OF	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA <u>raSmith</u>	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED	DNLY. MINE RIGHTS.
0.00 AND 1365.6 FEET HEAST CORNER OF	AND IS FOR REFI DEEDS MUST BE PROPERTY BOUND ORIGINA	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 1975 W. Buen 2007	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET HEAST CORNER OF	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY DEVON	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET THEAST CORNER OF J.R 7 W	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY DEVON	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 1875 95 University SCONS MICHAEL J. RATZBURG S-2236	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET HEAST CORNER OF R 7 W CATION ORDER .00	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY DEVON	RENCE PURPOSES CHECKED TO DETER ARIES AND ACCESS	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET THEAST CORNER OF , R 7 W CATION ORDER .00 D 929.7 FEET EAST CORNER	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY DEVON	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 1875 95 University SCONS MICHAEL J. RATZBURG S-2236	DNLY. MINE RIGHTS. BY
ATION ORDER 0.00 AND 1365.6 FEET HEAST CORNER OF , R 7 W CATION ORDER .00 D 929.7 FEET EAST CORNER N, R 7 W	AND IS FOR REFI DEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY BETONL	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 10759. Emer- 2007 SCONS MICHAEL J. RATZBURG S-2236 WAUKESHA W	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET THEAST CORNER OF , R 7 W CATION ORDER .00 D 929.7 FEET EAST CORNER	AND IS FOR REF DEEDS MUST BE PROPERTY BOUND ORIGINA <u>raSmith</u> CREATIVITY DEVON	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 10759. University SCONS MICHAEL J. RATZBURG S-2236 WAUKESHA WAUKESHA WAUKESHA	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET THEAST CORNER OF , R 7 W CATION ORDER .00 D 929.7 FEET EAST CORNER	AND IS FOR REFIDEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY BETONE ENGINEERING	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS	DNLY. MINE RIGHTS. BY
0.00 AND 1365.6 FEET THEAST CORNER OF , R 7 W CATION ORDER .00 D 929.7 FEET EAST CORNER N, R 7 W	AND IS FOR REFIDEEDS MUST BE PROPERTY BOUND ORIGINA raSmith CREATIVITY BETONE ENGINEERING	RENCE PURPOSES C CHECKED TO DETER ARIES AND ACCESS L PLAT PREPARED 10745 W. Burn SCONS MICHAEL J. RATZBURG S-2236 WAUKESHA MUCHAEL J. RATZBURG S-2236 WAUKESHA MICHAEL J. RATZBURG S-2236 WAUKESHA MICHAEL J. RATZBURG S-2236 WAUKESHA MICHAEL J. RATZBURG S-2236 WAUKESHA SURVEYOR TY OF LACROSSE	DNLY. MINE RIGHTS. BY

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.

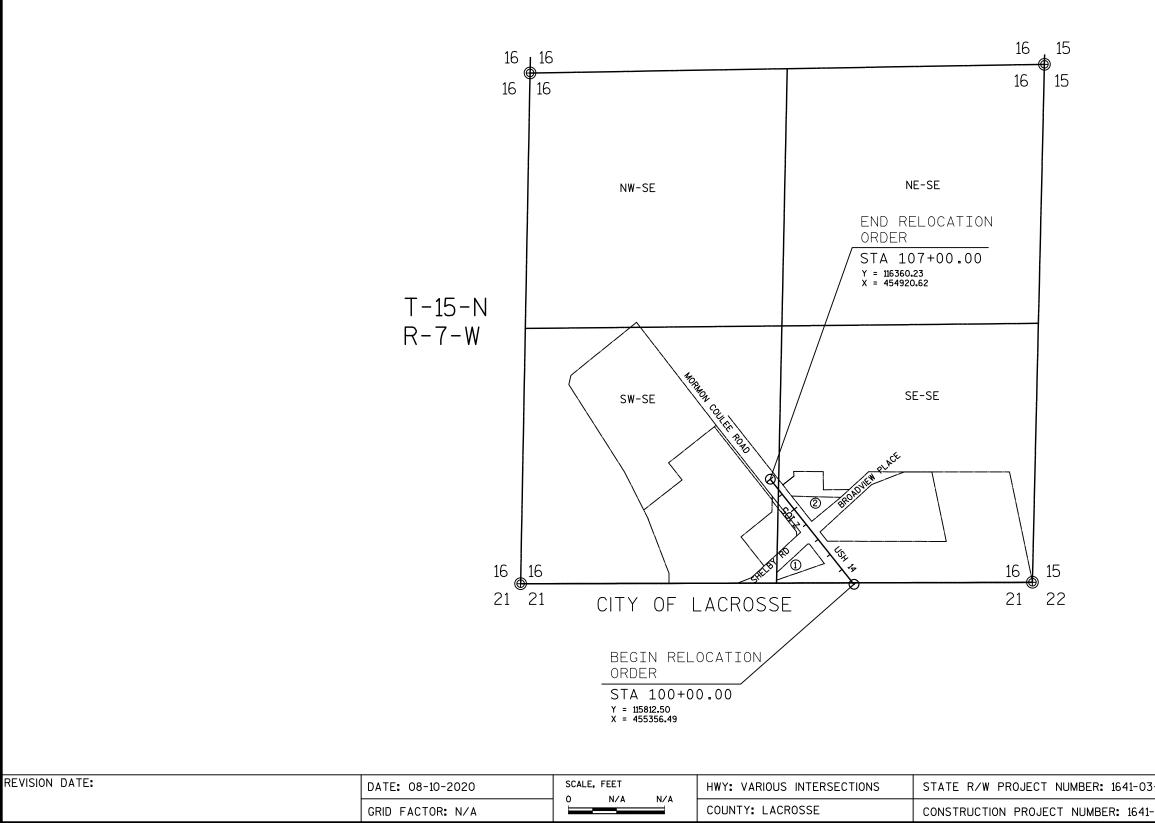
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO THE CITY OF LACROSSE.

					R/V	W REQUIRED	ACRES	TOTAL			
PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	NEW	EXISTING	TOTAL	REMAINING ACRES	T.L.E. ACRES	P.L.E. ACRES	PARCEL NUMBEF
1 2 3 4 5	4.05 4.05 4.06 4.06 4.06	CRYSTAL M. & CHAD KUHNKE RIVER BANK WILLIAM J. BERGE GREAT NORTHERN INVESTMENT OF LACROSSE, INC. J & K HOSPITALITY, LLC	FEE, TLE FEE, TLE TLE FEE, TLE TLE	0.46 1.00 0.32 1.41 0.37	0.001 0.001 - 0.004 -	- - - - -	0.001 0.001 - 0.004 -	0.46 1.00 0.32 1.41 0.37	0.003 0.003 0.008 0.009 0.008	- - - -	1 2 3 4 5
6 7 8	4.07 4.07 4.07	KT REAL ESTATE HOLDINGS, LLC. ROTTINGHAUS REAL ESTATE, LLC. MARY LOU PETERSON	TLE FEE, TLE FEE, TLE	0.08 0.26 0.34	0.004 0.005		- 0.004 0.005	0.08 0.26 0.34	0.005 0.007 0.007	- - -	6 7 8
101 102	4.05 4.06 & 4.07	XCEL ELECTRIC XCEL GAS	RELEASE OF RIGHTS RELEASE OF RIGHTS								

REVISION DATE:	DATE: 08-10-2020	SCALE, FEET	HWY: VARIOUS INTERSECTIONS	STATE R/W PROJECT NUMBER: 1641-03-25	PLAT SHEET: 4.02	
	GRID FACTOR: N/A		COUNTY: LACROSSE	CONSTRUCTION PROJECT NUMBER: 1641-03-75/5120-02-70/7575-07-70	PS&E SHEET:	E

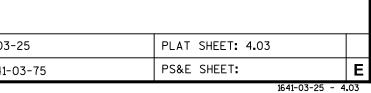
FILE NAME:S/5168021/DWG/52200404/PLAT/SPP +1+10.DWG



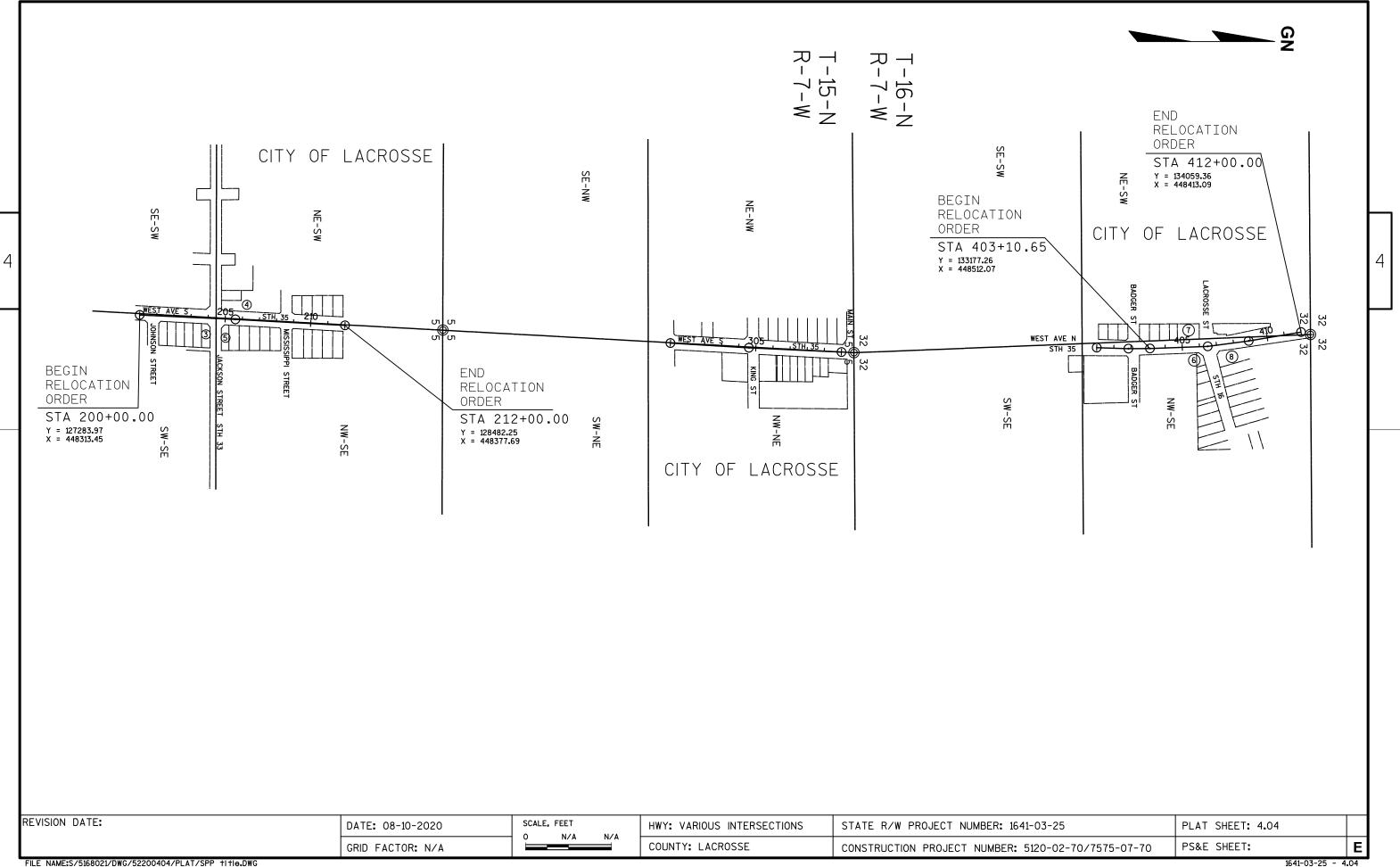


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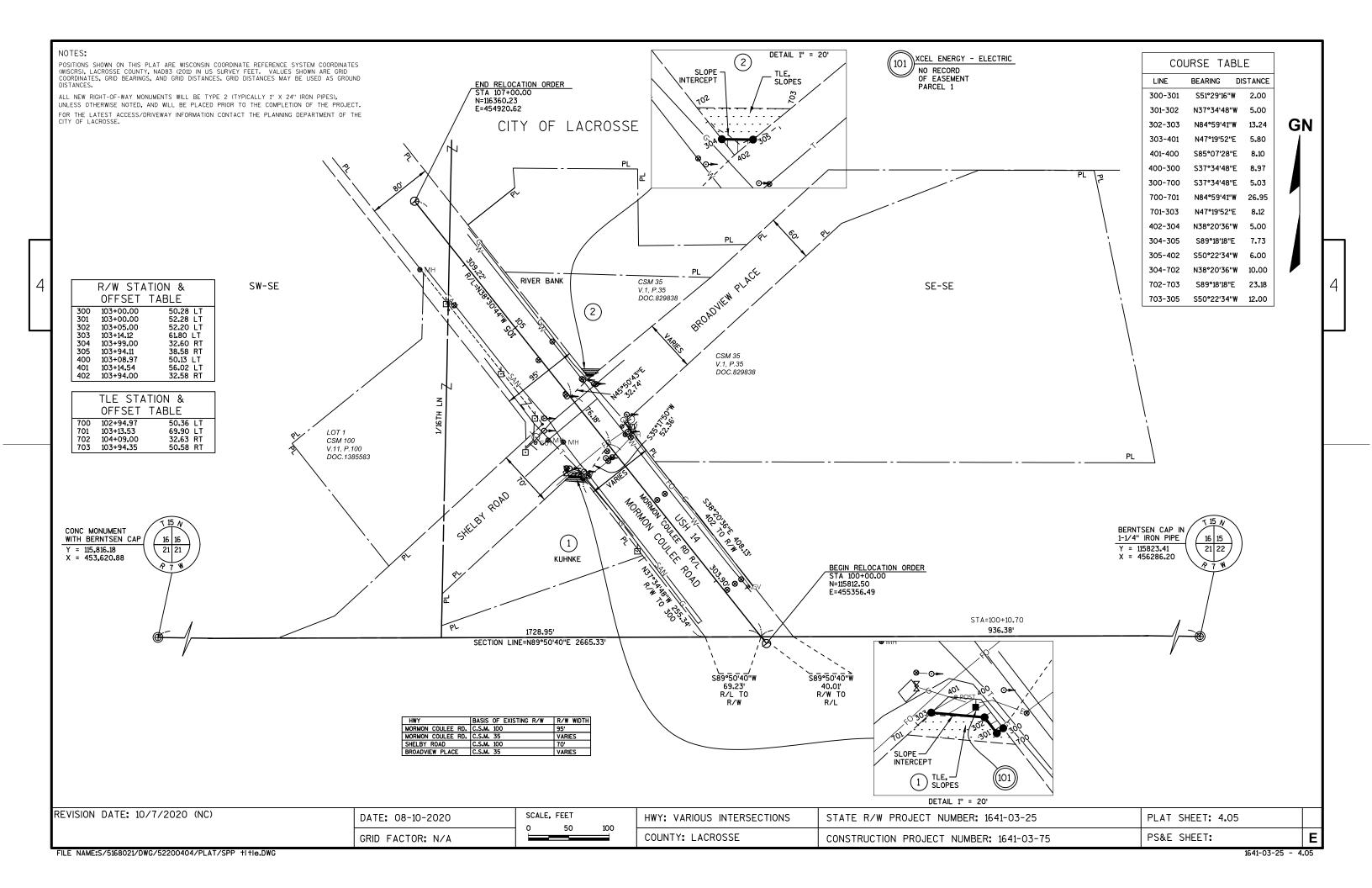
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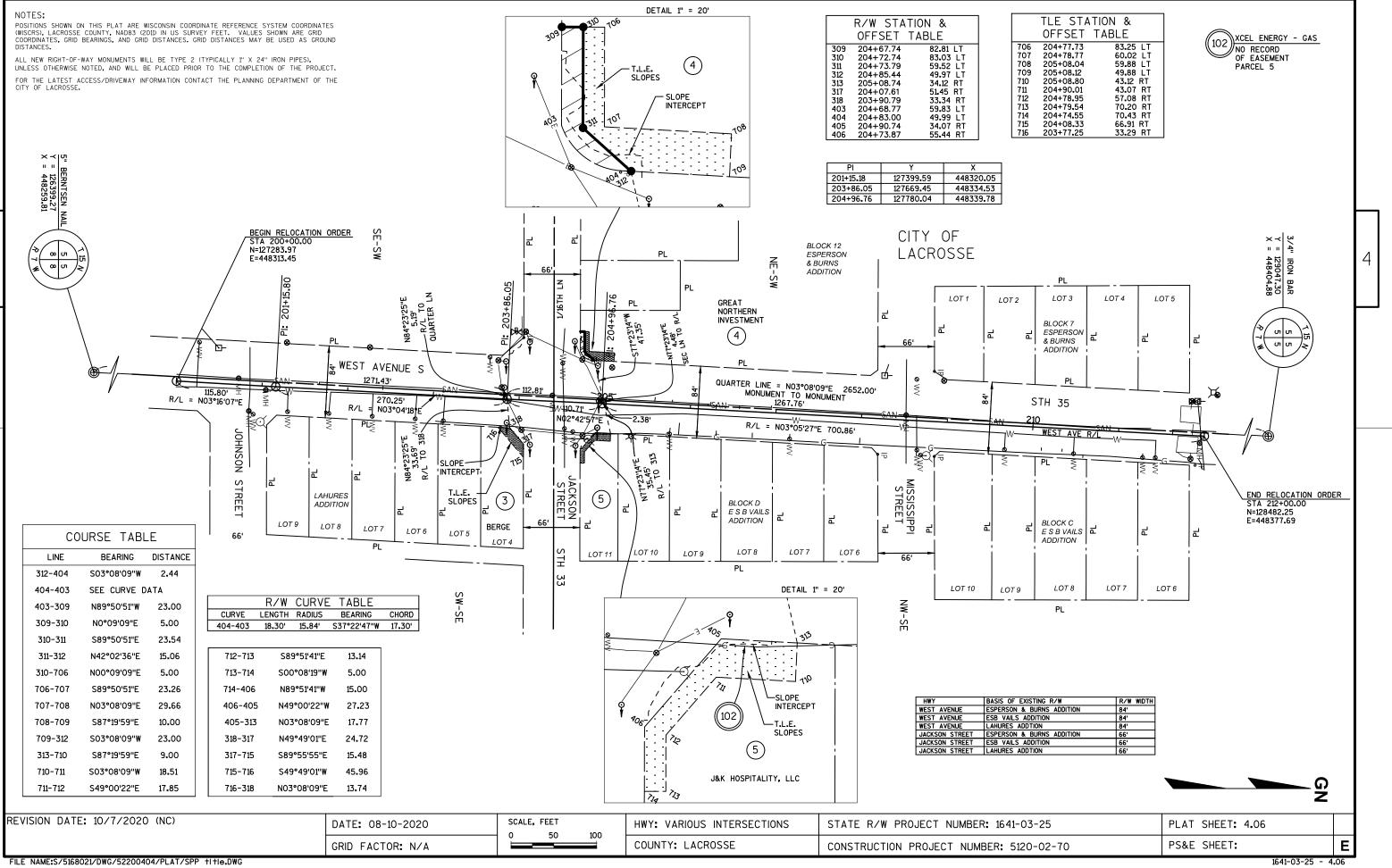


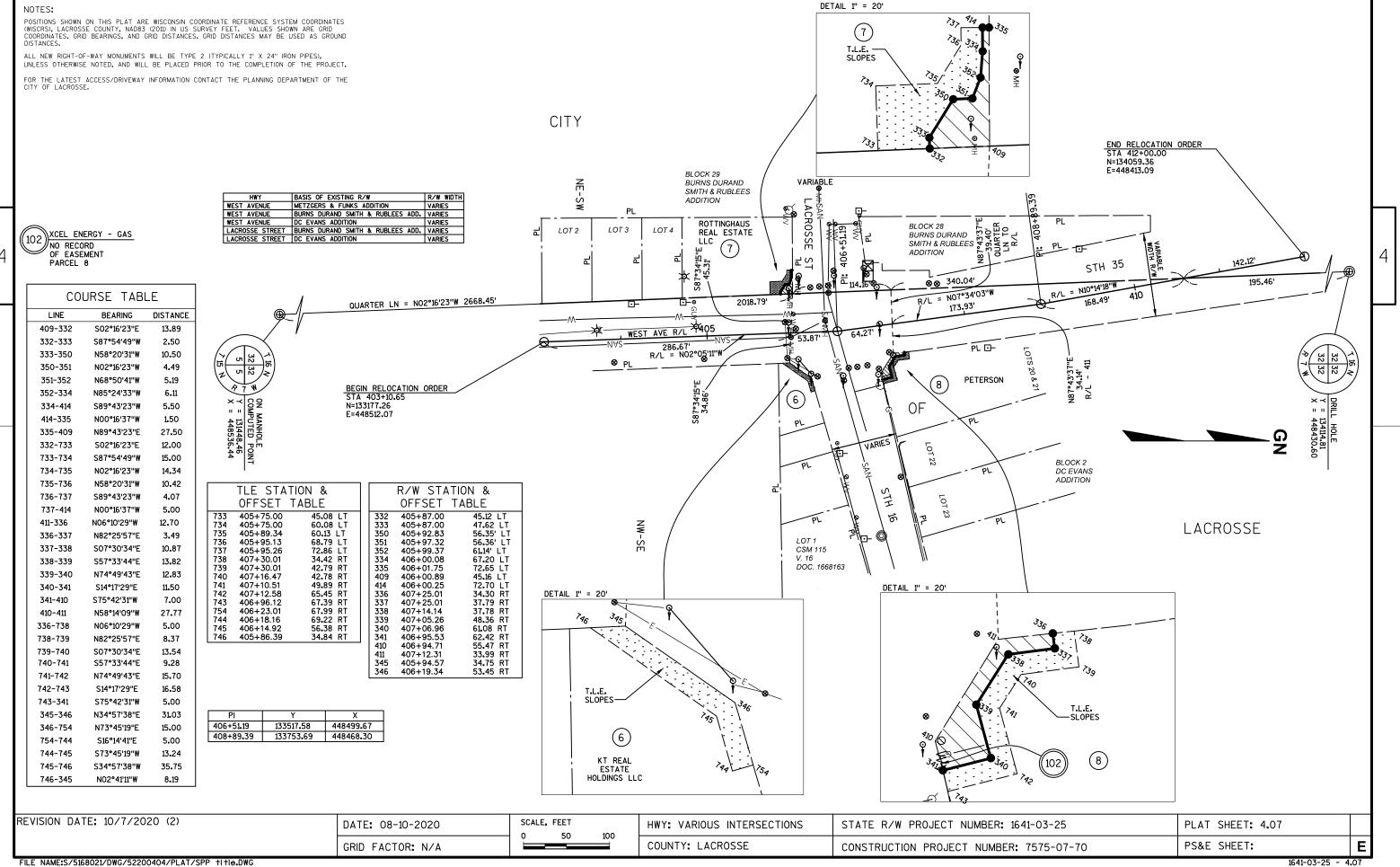
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FILE NAME:S/5168021/DWG/52200404/PLAT/SPP +1+10.DWG







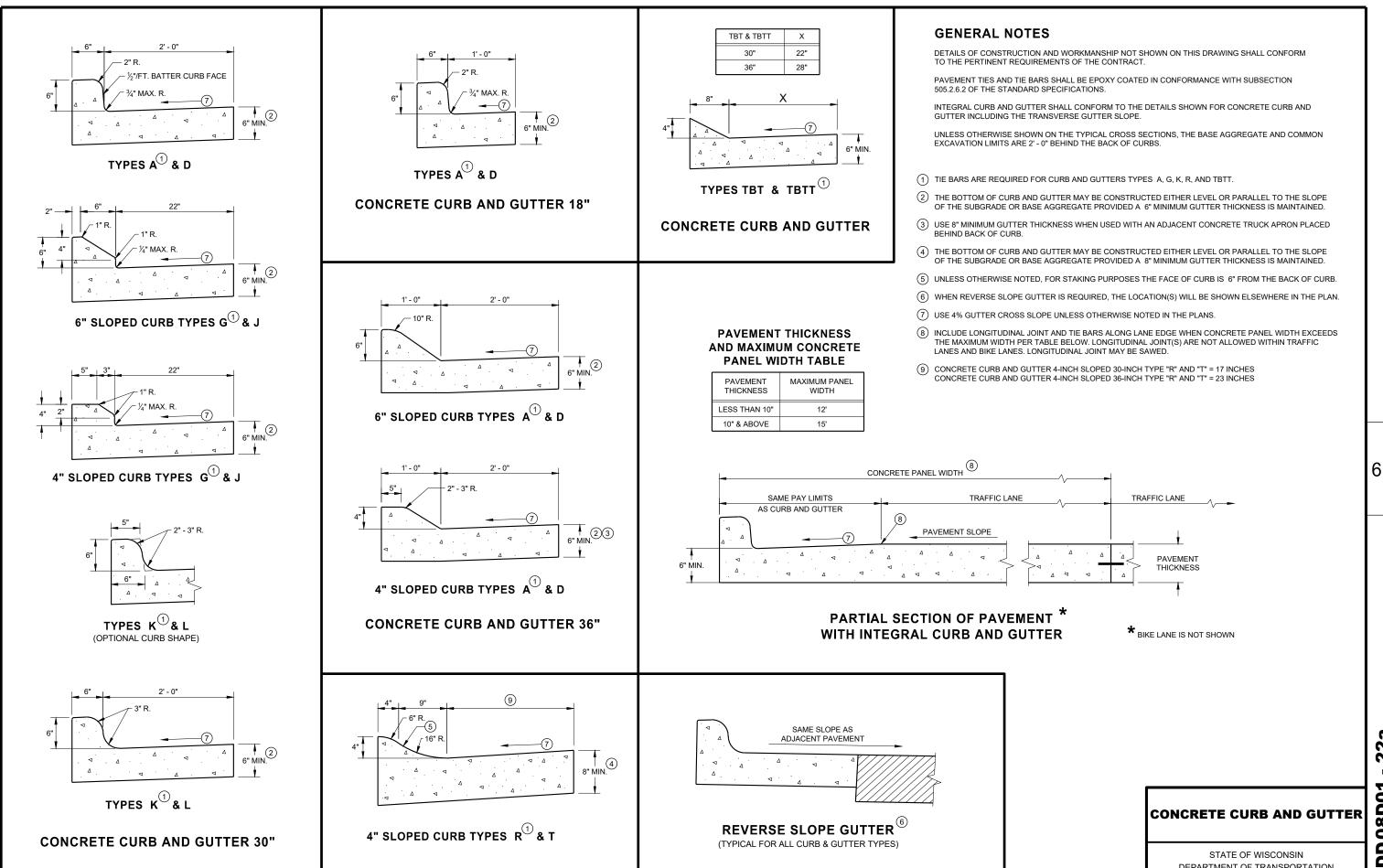
Standard Detail Drawing List

08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDULT
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C11-10	CONCRETE BASE TYPE 10
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D02-03	SI GNAL CONTROL CABINET
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E07-08	TYPE 10 POLE 15' -30' MONOTUBE ARM
09E08-09E	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 35 MONOTOBE ARM
	GENERAL NOTES, HARDWARE DETAILS FOR TYPE 9/10, 9/10 SPECIAL, 12 & 13 POLES W
09E08-09K	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY
09F15-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6" CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C07-15C	PAVEMENT MARKING ARROWS
15008-200	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-06B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESS
15D20-06C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSW
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

ES W/MONOTUBE ARMS ADWAY (OPTION 1)

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RESSWAY ESSWAY

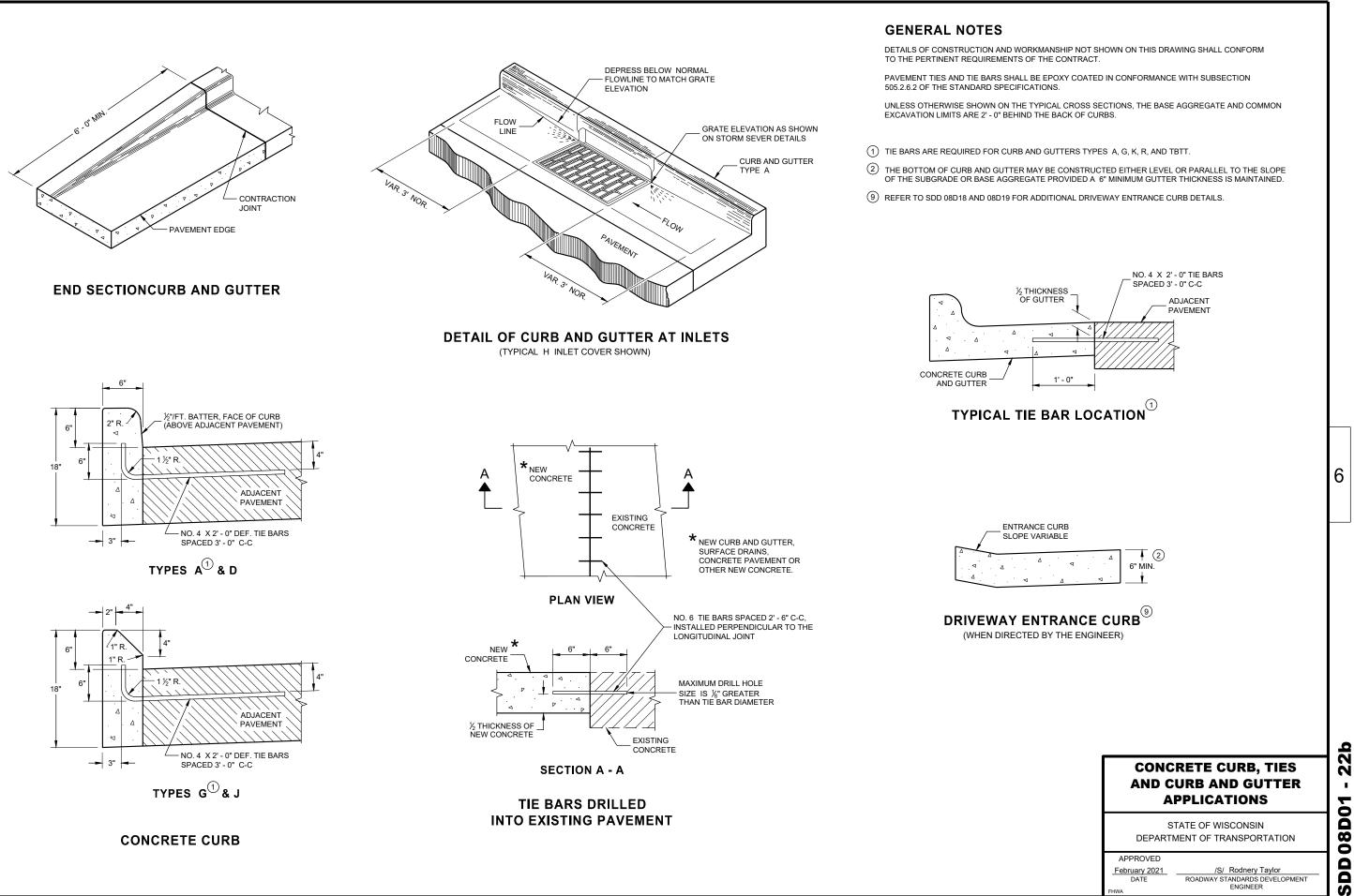


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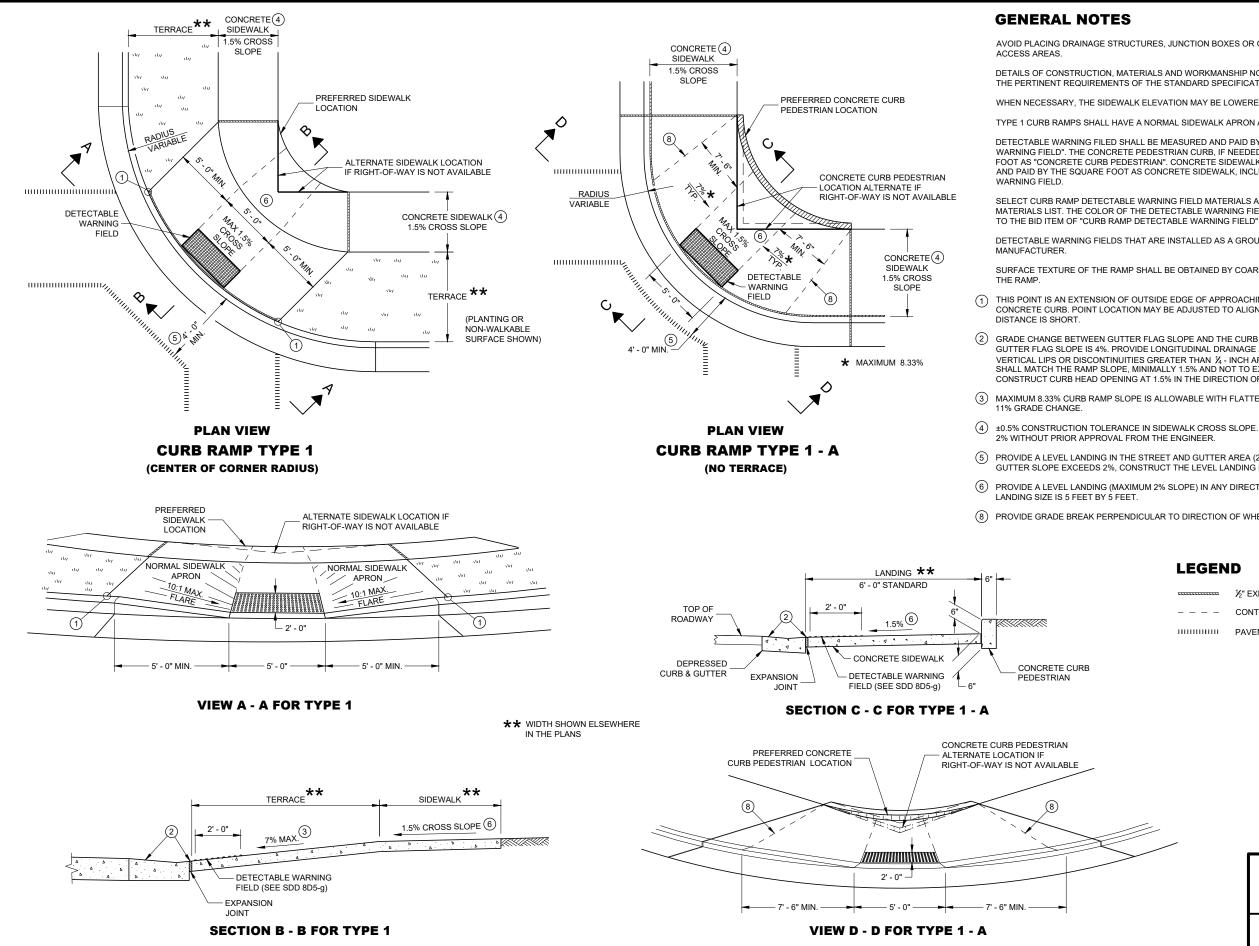
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DEPARTMENT OF TRANSPORTATION

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AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP

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 1/4 - 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

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED

(5) 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.

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

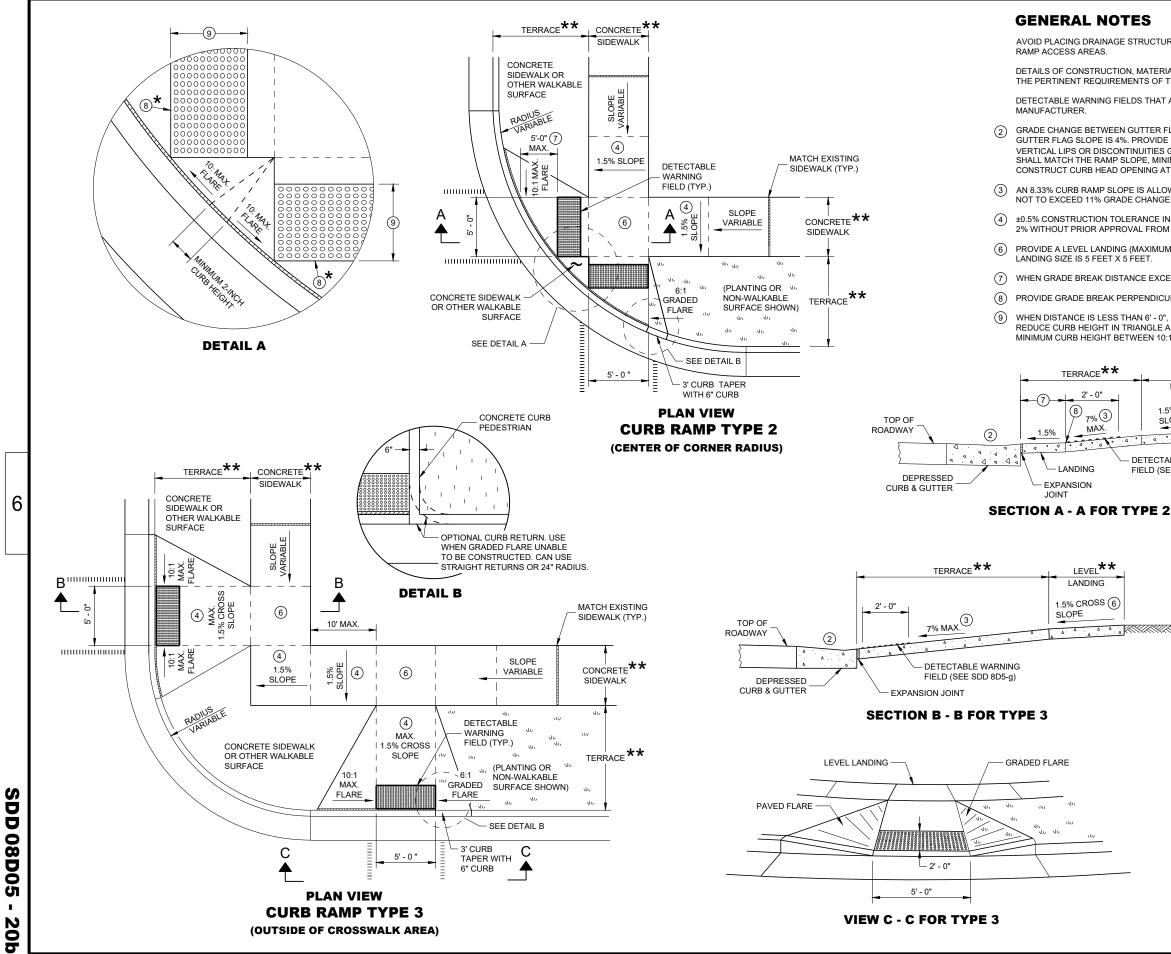
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

 $\frac{1}{2}$ " EXPANSION JOINT SIDEWALK
 CONTRACTION JOINT FIELD LOCATED
 PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 1 AND 1-A

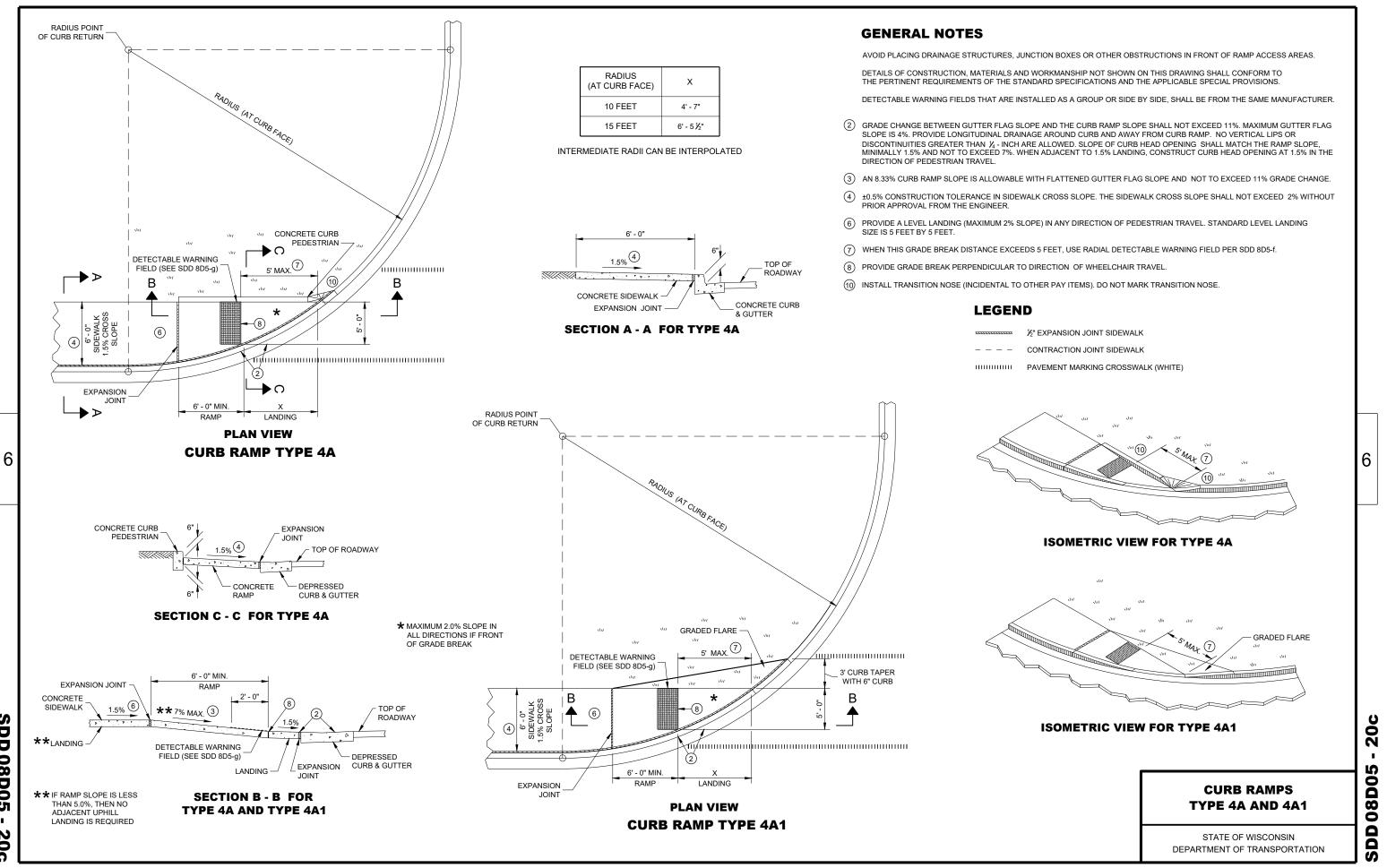
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

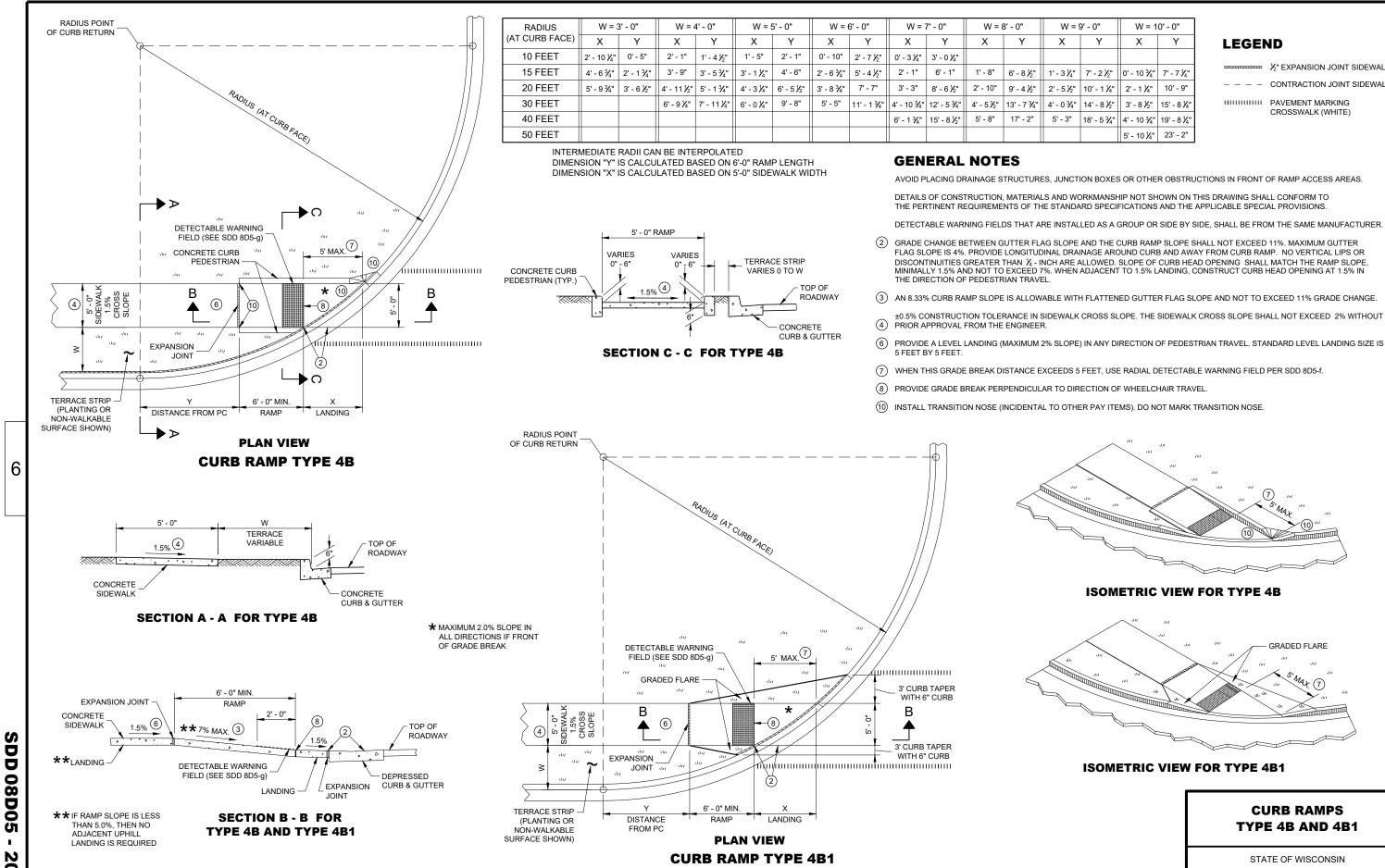


	CURB RAMPS TYPE 2 AND 3	00800
F		0 08D05 - 20b
	CONTRACTION JOINT SIDEWALK PAVEMENT MARKING CROSSWALK (WHITE)	
2 LEGER	ND ½" EXPANSION JOINT SIDEWALK	6
LEVEL ** LANDING 1.5% CROSS (6) SLOPE	 ★ MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK ★★ WIDTH SHOWN ELSEWHERE IN THE PLANS 	
ICULAR TO DIRECTION OF WHEEL 0", IT MAY BE DIFFICULT TO ACHI	ECTABLE WARNING FIELD PER SDD 8D5-f. LCHAIR TRAVEL. IEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. IR FLATTER ON RAMP. CONSTRUCT 2-INCH	
OM THE ENGINEER.	IE SIDEWALK CROSS SLOPE SHALL NOT EXCEED	
DE LONGITUDINAL DRAINAGE AR ES GREATER THAN ¼ - INCH ARE MINIMALLY 1.5% AND NOT TO EXCI & AT 1.5% IN THE DIRECTION OF P	MP SLOPE SHALL NOT EXCEED 11%. MAXIMUM OUND CURB AND AWAY FROM CURB RAMP. NO ALLOWED. SLOPE OF CURB HEAD OPENING EED 7%. WHEN ADJACENT TO 1.5% LANDING, EDESTRIAN TRAVEL. TER FLAG SLOPE (2.67% OR LESS) AND	
	NS AND THE APPLICABLE SPECIAL PROVISIONS. DR SIDE BY SIDE SHALL BE FROM THE SAME	
ERIALS AND WORKMANSHIP NOT	HER OBSTRUCTIONS IN FRONT OF	

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SD





20d

9' - 0"	W = 10' - 0"	
Y	Х	Y
7' - 2 1⁄2"	0' - 10 ¾"	7' - 7 1⁄4"
10' - 1 ¼"	2' - 1 ¼"	10' - 9"
14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
	5' - 10 ¼"	23' - 2"
	7' - 2 ½" 10' - 1 ¼" 14' - 8 ½"	Y X 7' - 2 ½" 0' - 10 ¾" 10' - 1 ¼" 2' - 1 ¼" 14' - 8 ½" 3' - 8 ½" 18' - 5 ¾" 4' - 10 ¾"

 $\frac{1}{2}$ " EXPANSION JOINT SIDEWALK
 CONTRACTION JOINT SIDEWALK
 PAVEMENT MARKING CROSSWALK (WHITE)

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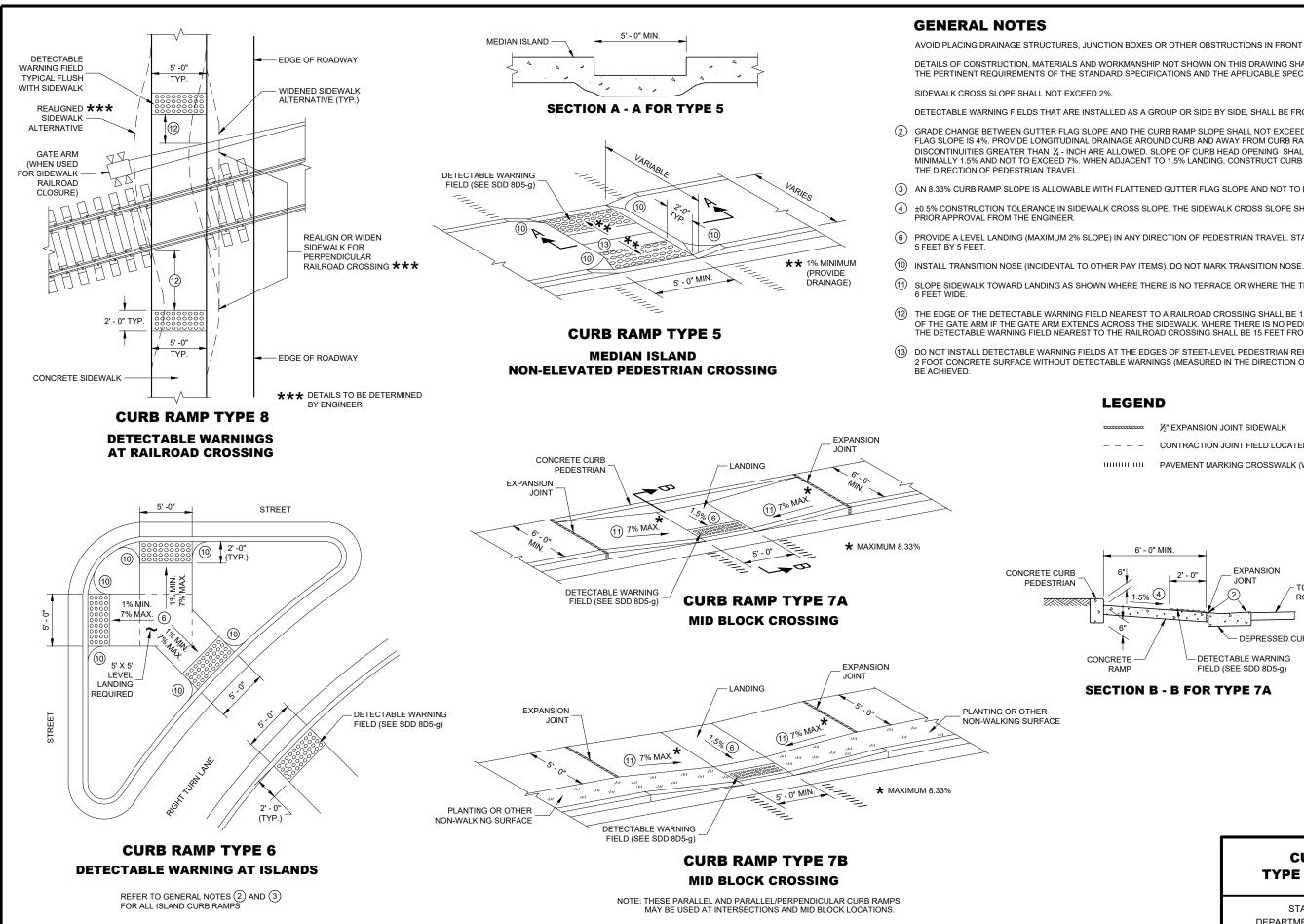
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TYPE 4B AND 4B1

DEPARTMENT OF TRANSPORTATION

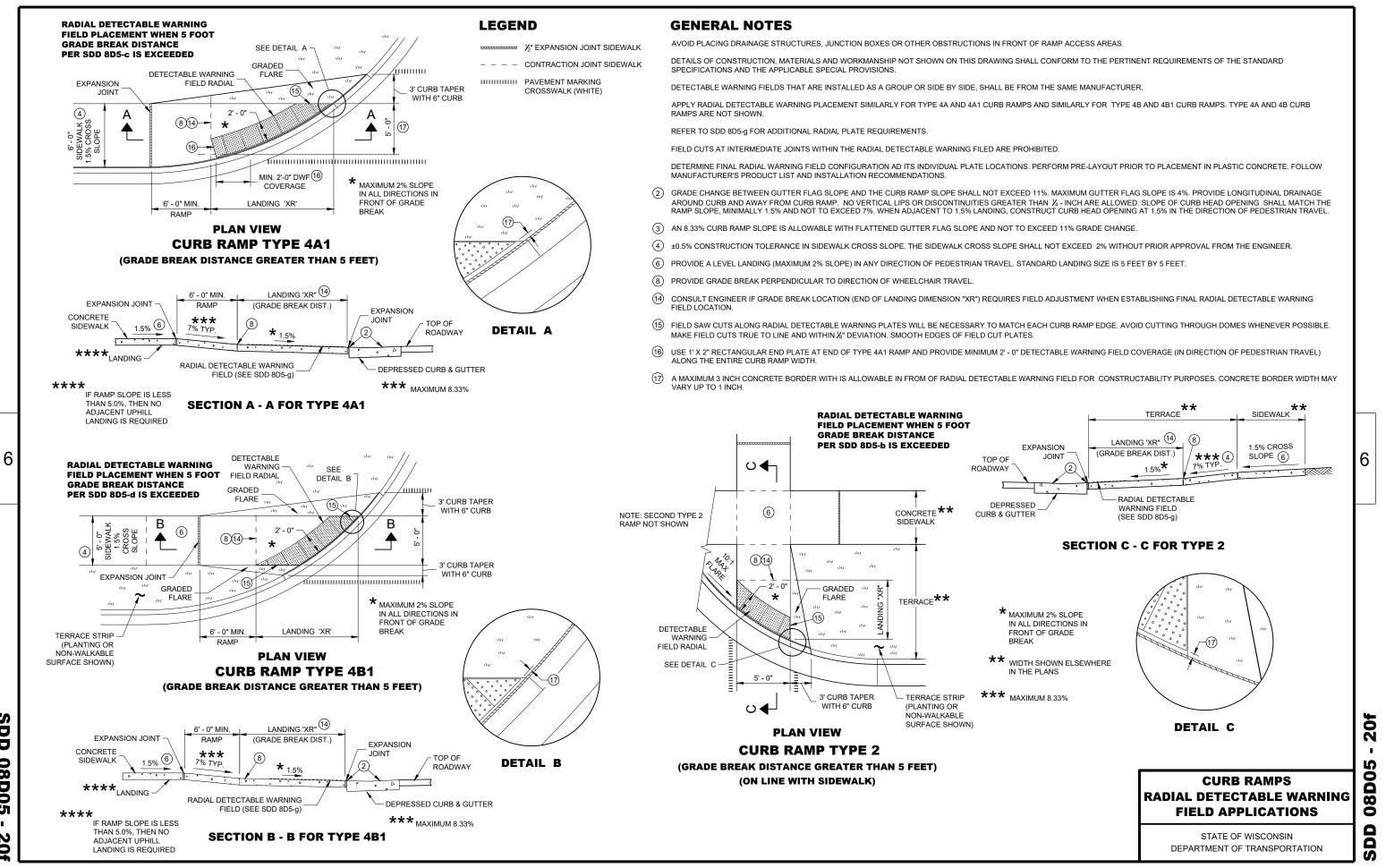


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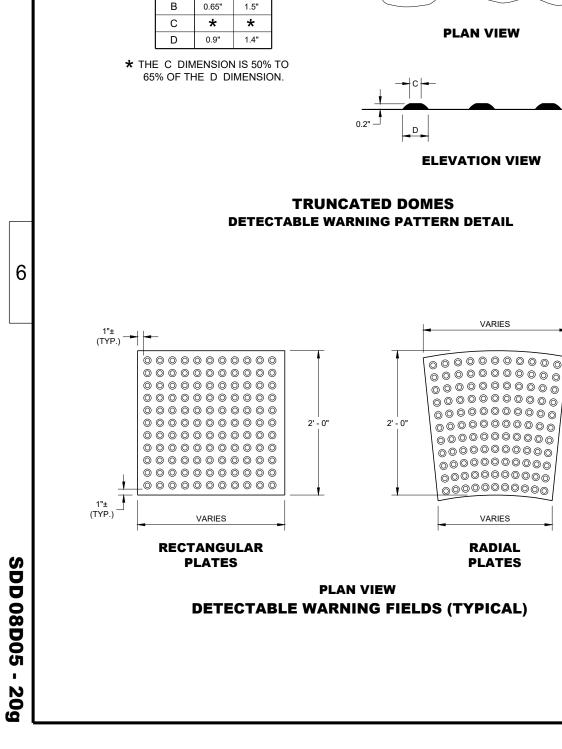
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AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER. (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 $\frac{1}{4}$ - 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 (3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE. (4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET. (1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN (12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL (13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT LEGEND ½" EXPANSION JOINT SIDEWALK CONTRACTION JOINT FIELD LOCATED PAVEMENT MARKING CROSSWALK (WHITE) 6 6' - 0" MIN EXPANSION JOINT TOP OF 1.5% (4) ROADWAY DEPRESSED CURB & GUTTER - DETECTABLE WARNING FIELD (SEE SDD 8D5-g) RAMP **SECTION B - B FOR TYPE 7A** 0 Ň . S 08D0 **CURB RAMPS TYPE 5, 6, 7A, 7B & 8** STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ົດ



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MIN.

1.6"

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MAX.

2.4"

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

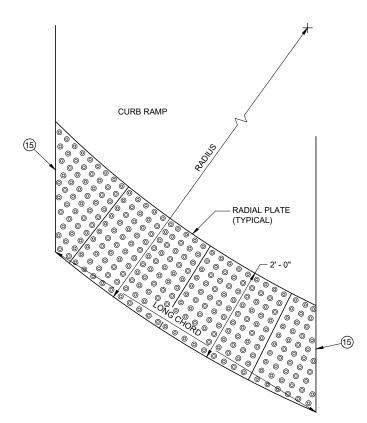
TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

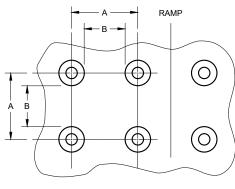
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN X[®] DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW RADIAL DETECTABLE WARNING FIELD ATTRIBUTES





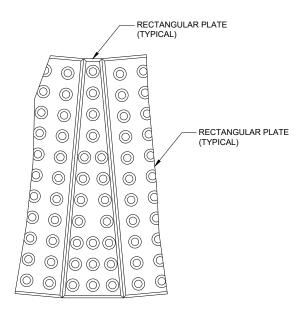
VARIES

VARIES

RADIAL

PLATES

- DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR
- FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION
- DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER



PLAN VIEW RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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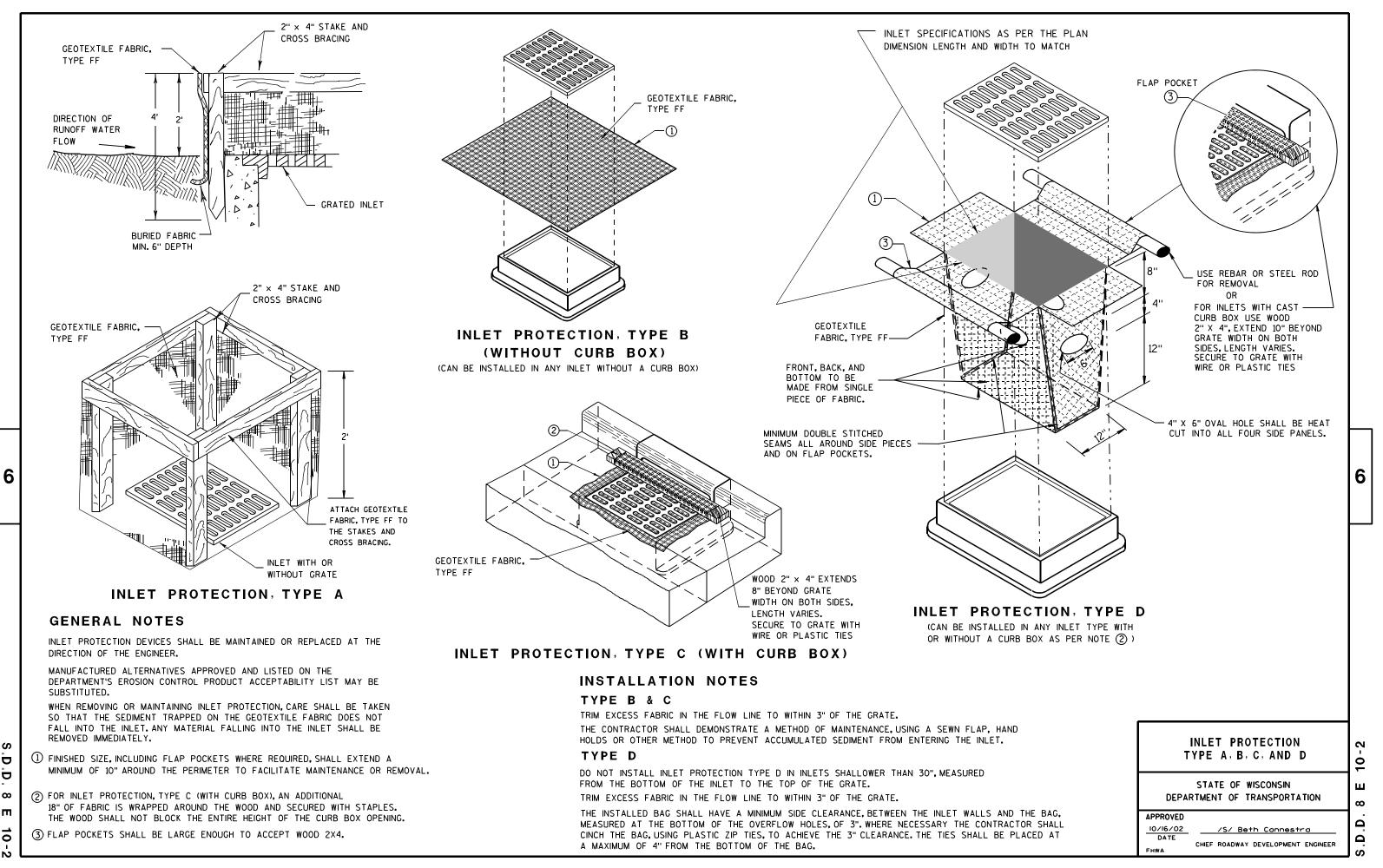
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METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

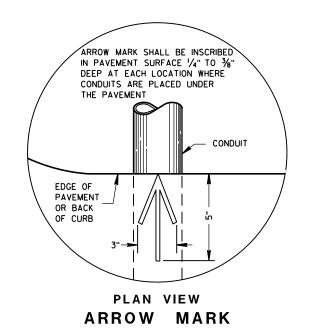
CONDUIT. (SEE NEC 347.5)

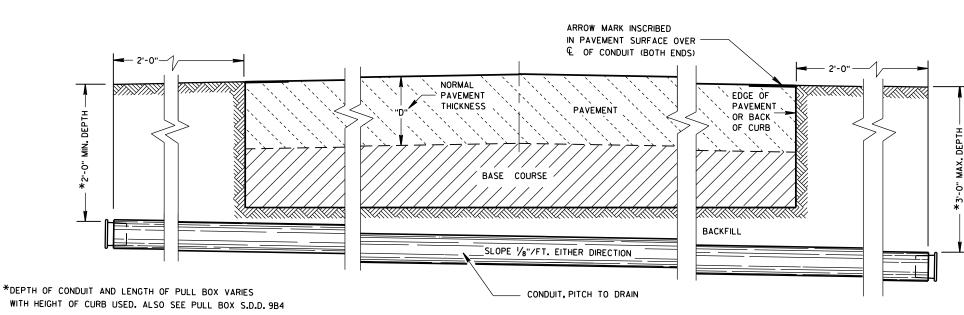
WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.





SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REIN-STALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

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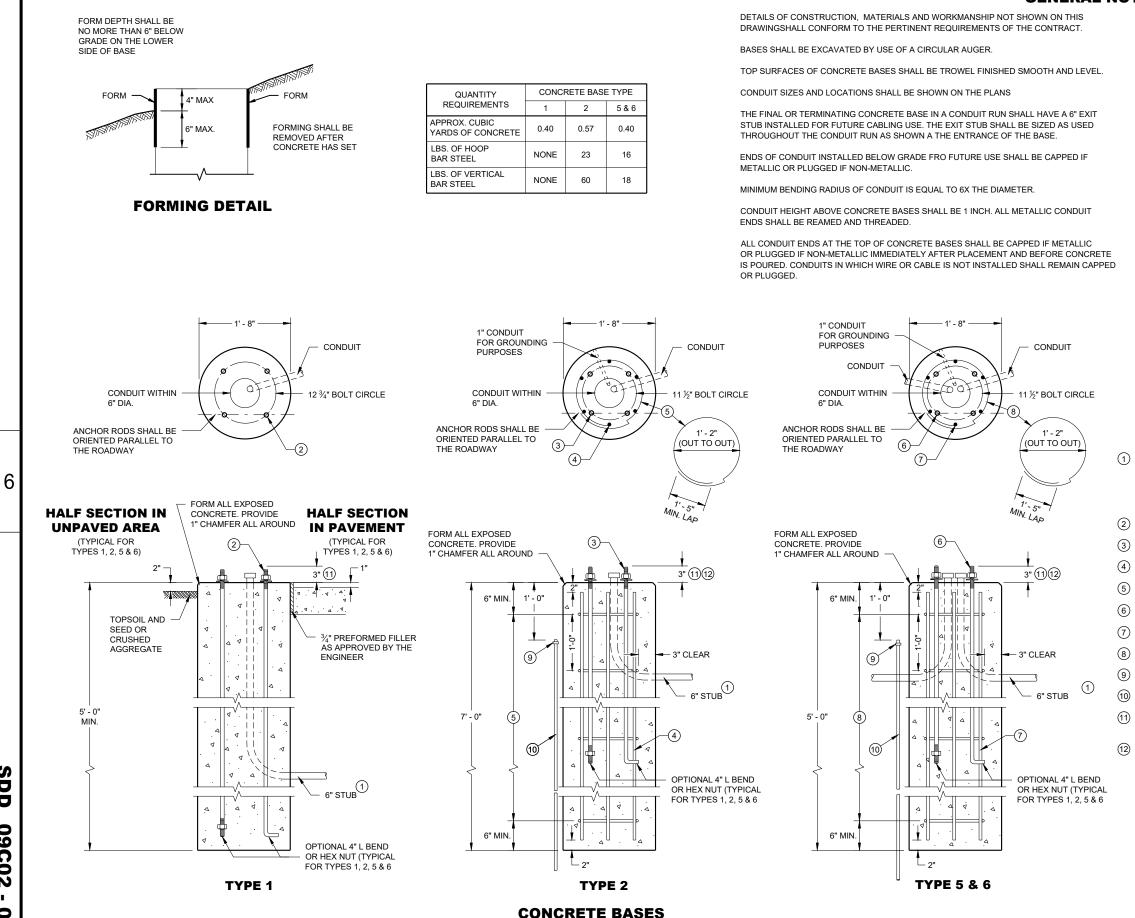
CONDUIT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED March, 2017 DATE

/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER

FHWA



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BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(4) 1" DIA. X 5' - 0" ANCHOR RODS.

(6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(4) 1" DIA. X 3' - 6" ANCHOR RODS.

(6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

(10) 5/8" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/7 OR LONGER THAN 3 1/7 SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

(12) FOR NON - BREAKAWAY INSTALLATIONS, $4\frac{1}{2}$ " ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS, RODENT SCREEN REQUIRED.

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

/S/ Ahmet Demirbile STATE ELECTRICAL ENGINEER 6

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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE I" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO \$4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A $\frac{1}{4}$ " - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER -THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

1'-1" NOMINAL

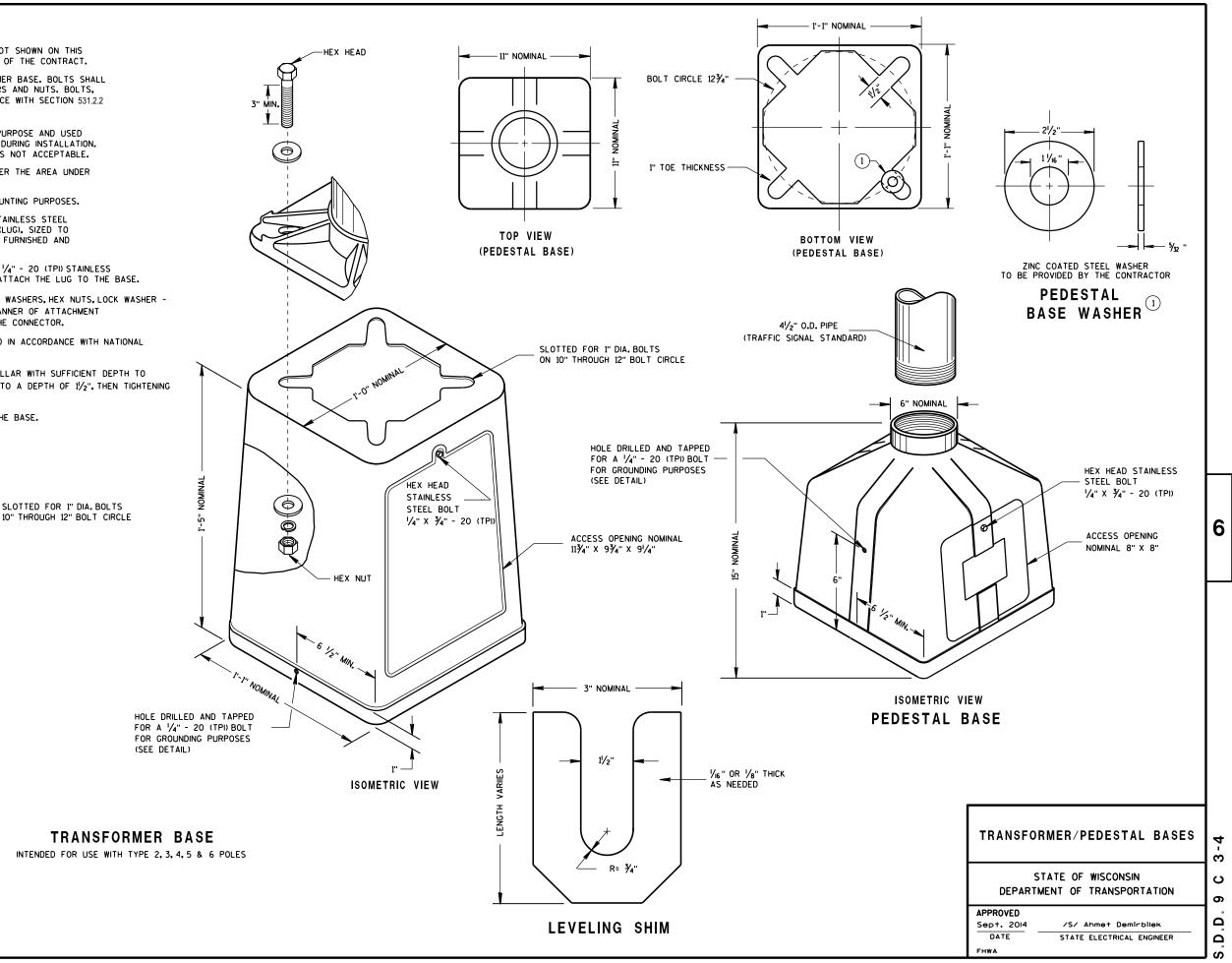
BOTTOM VIEW

TYPICAL MECHANICAL

CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

(TRANSFORMER BASE)



S,D,D, 9 C 3-4

6

TOP

BOTTOM

DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES, ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

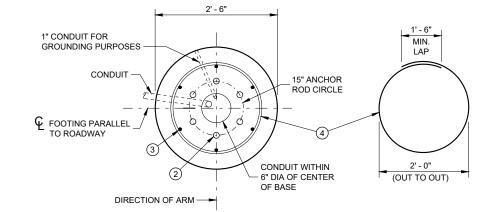
THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES. LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

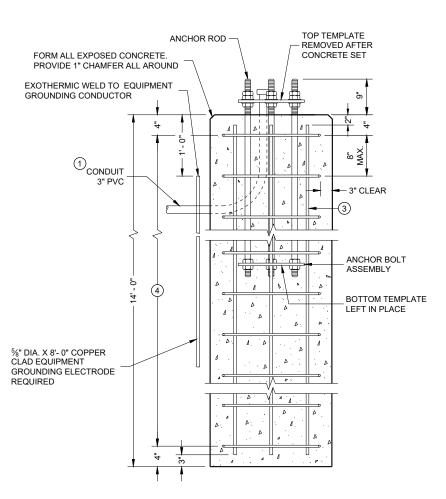
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

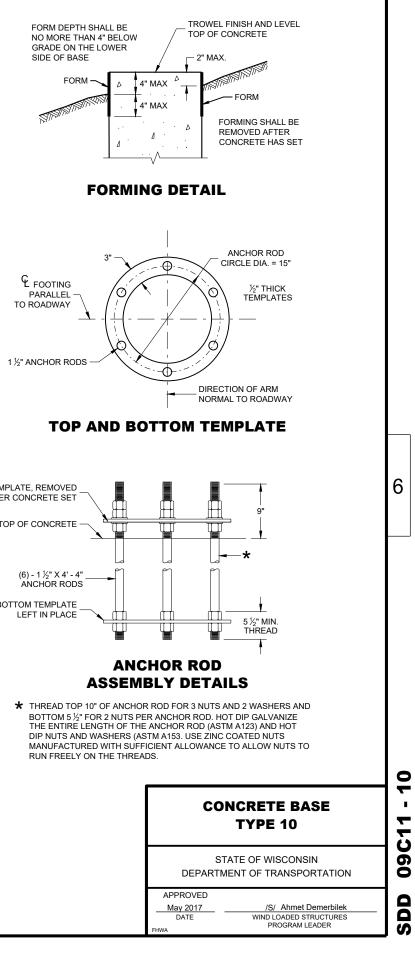
- THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE 1 TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.
- (2) (6) 1 ½ DIA. X 4' 4" ANCHOR RODS
- (3) (6) NO. 6 X 13' 7" BAR STEEL REINFORCEMENT.
- (4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

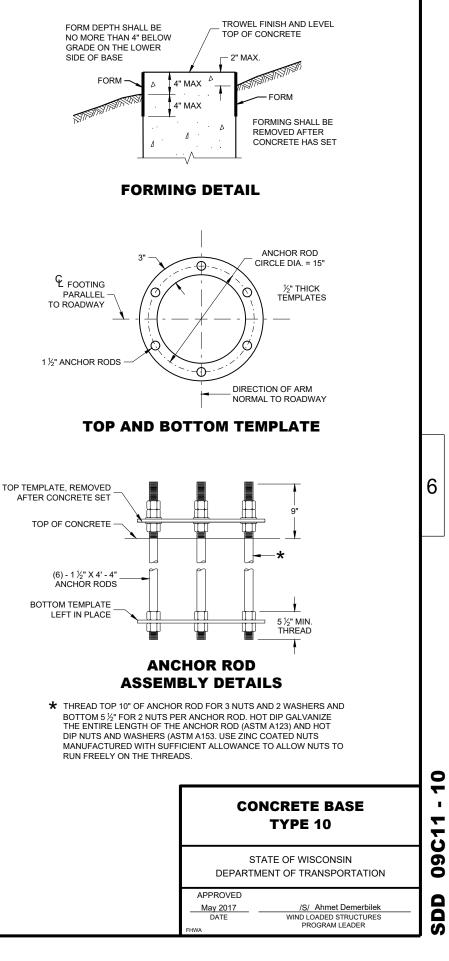
CONCRETE MASONRY. ..fc = 3,500 p.s.i HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60. ..fy = 60,000 p.s.i. ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE ..fy = 55,000 p.s.i. WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION) TEMPLATES, ASTM A709, GRADE 36.. ..fy = 36,000 p.s.i.

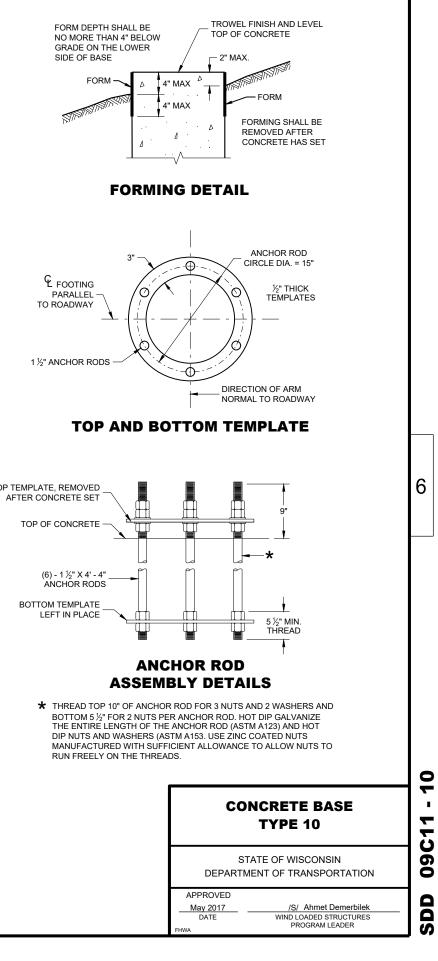
QUANTITY REQUIREMENTS		
APPROX. CUBIC YARDS OF CONCRETE	2.5	
LBS. OF HOOP BAR STEEL	172	
LBS. OF VERTICAL BAR STEEL	122	











CONCRETE BASE, TYPE 10 (FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BÉCAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

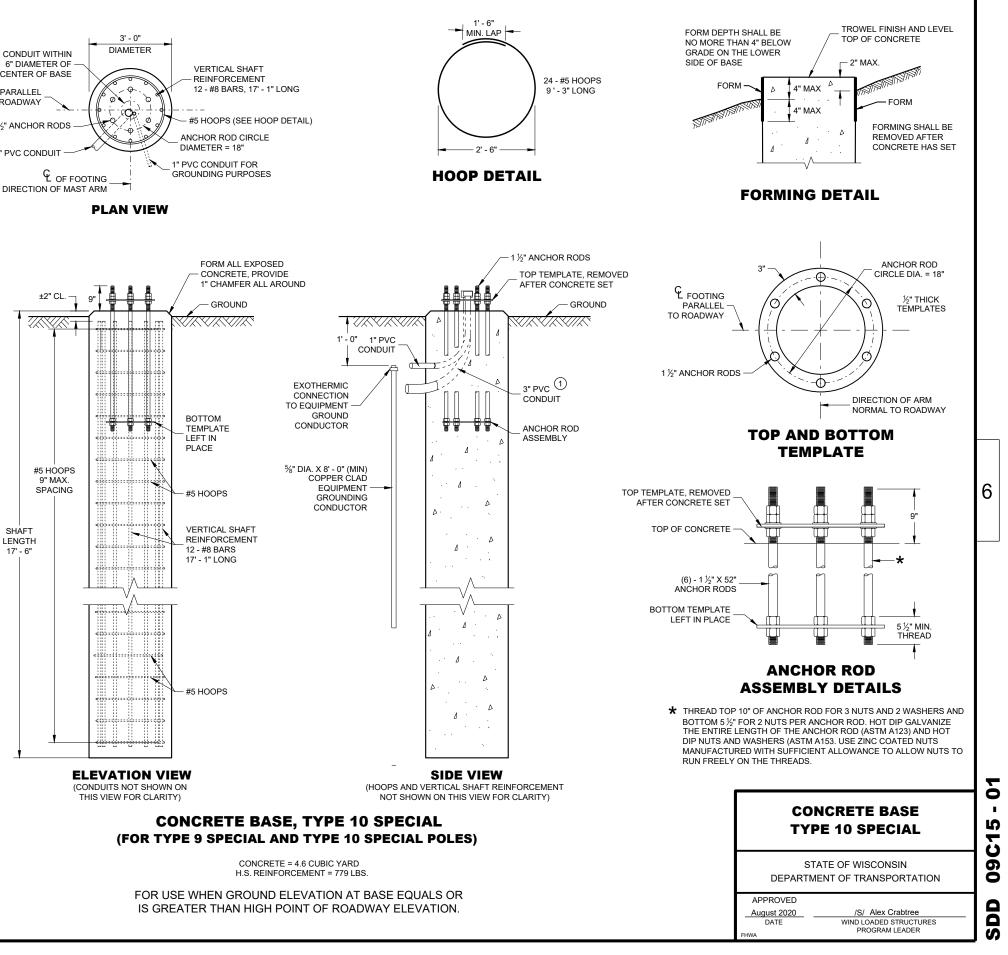
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

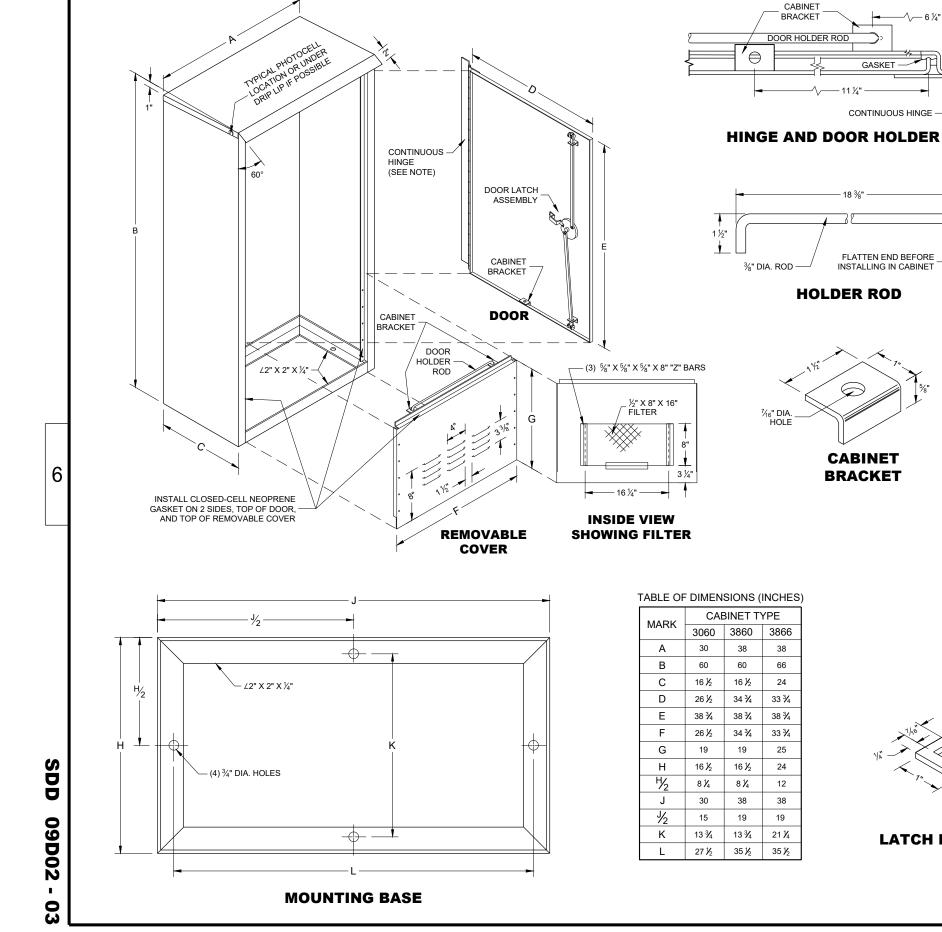
1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

CONCRETE MASONRY	fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE	fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	
TEMPLATES, ASTM A709, GRADE 36	fy = 36,000 p.s.i.

3' - 0" DIAMETER CONDUIT WITHIN 6" DIAMETER OF VERTICAL SHAFT CENTER OF BASE REINFORCEMENT 24 - #5 HOOPS 12 - #8 BARS 17' - 1" LONG ♀ FOOTING PARALLEL - O 9 ' - 3" LONG 0Xi TO ROADWAY #5 HOOPS (SEE HOOP DETAIL) 8 (6) 1 ½" ANCHOR RODS ANCHOR ROD CIRCLE DIAMETER = 18" - 2' - 6" (1) 3" PVC CONDUIT 1" PVC CONDUIT FOR

PLAN VIEW







SIDE VIEW

NYLON ROLLERS

3/4" DIA. X 1/4" THICK

LOCK POSITION

OPEN POSITION

LATCH BAR GUIDE

LATCH BARS

½" X ¼" X LENGTH REQUIRED -

3/4" SOLID STAINLESS STEEL INWARD-TURNING HANDLE WITH

PROVISIONS FOR PADLOCKING

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

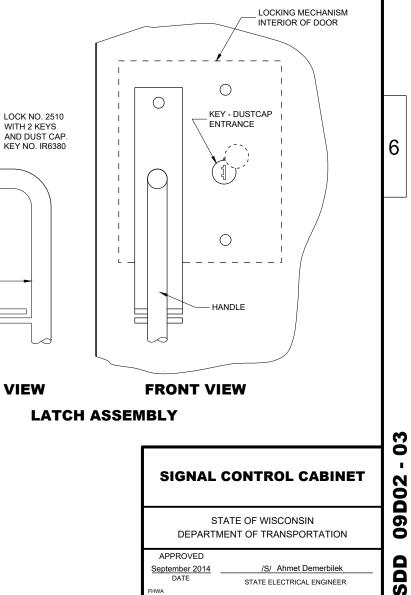
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

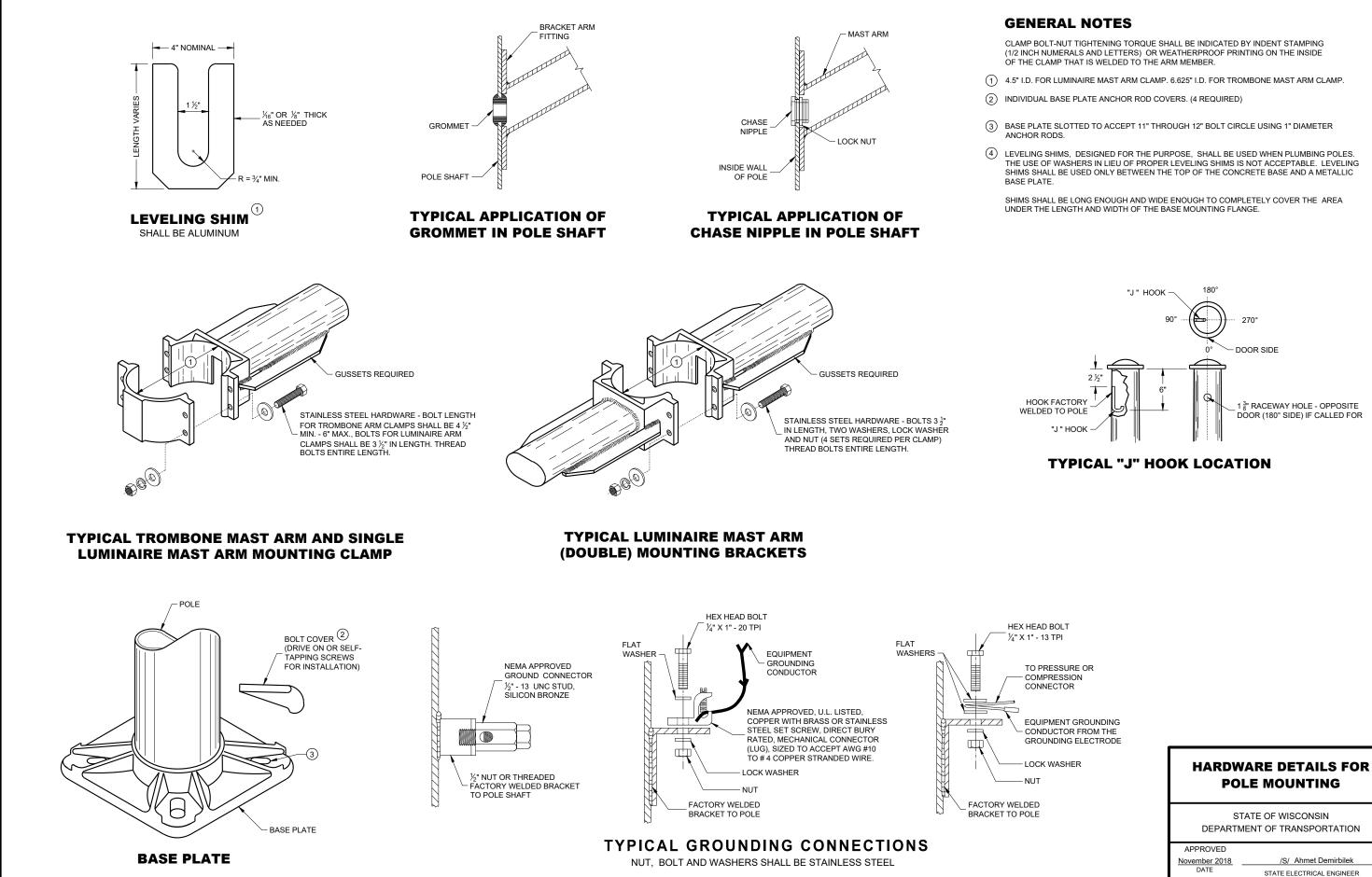
ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH λ_{+}^{*} X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.





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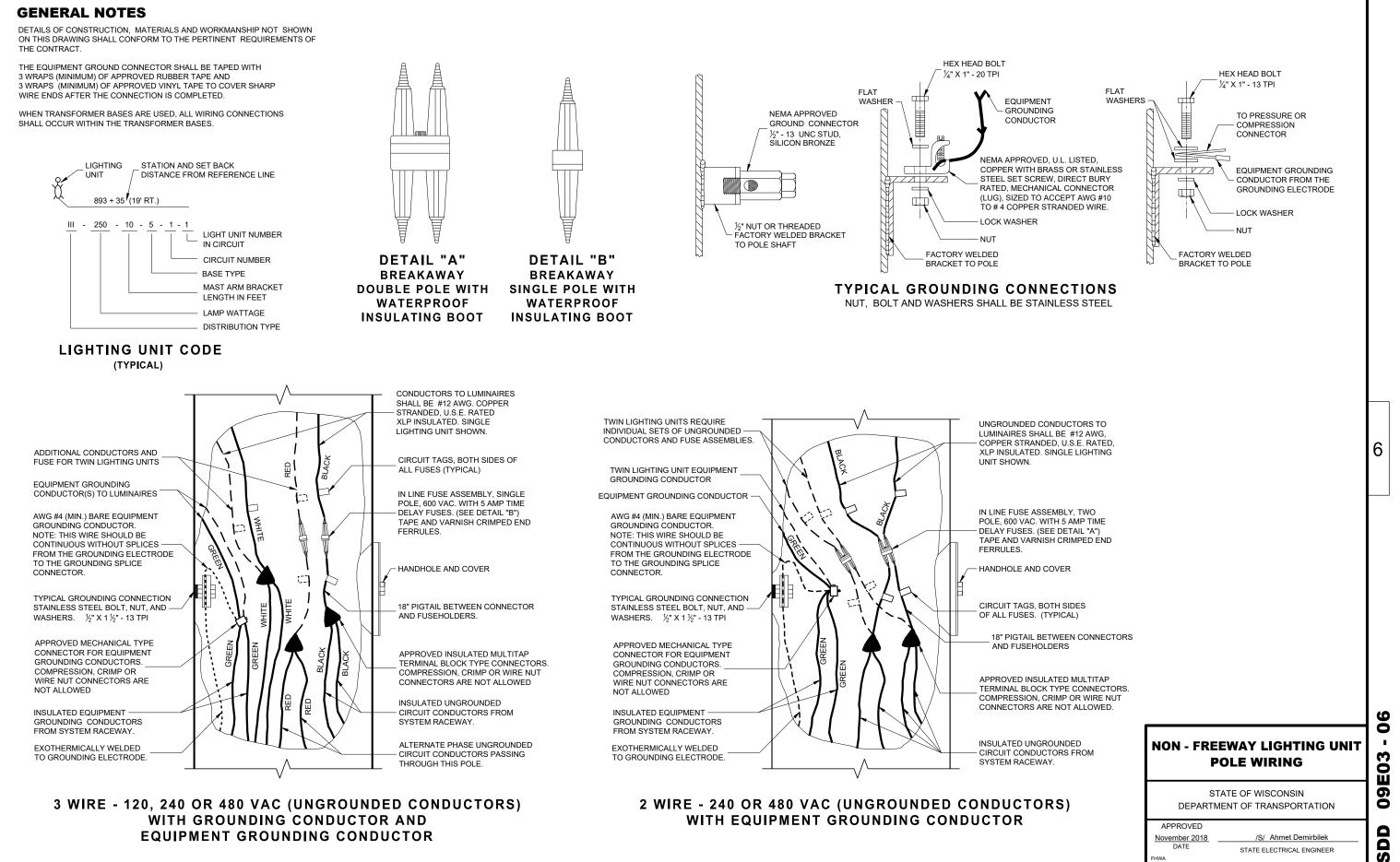
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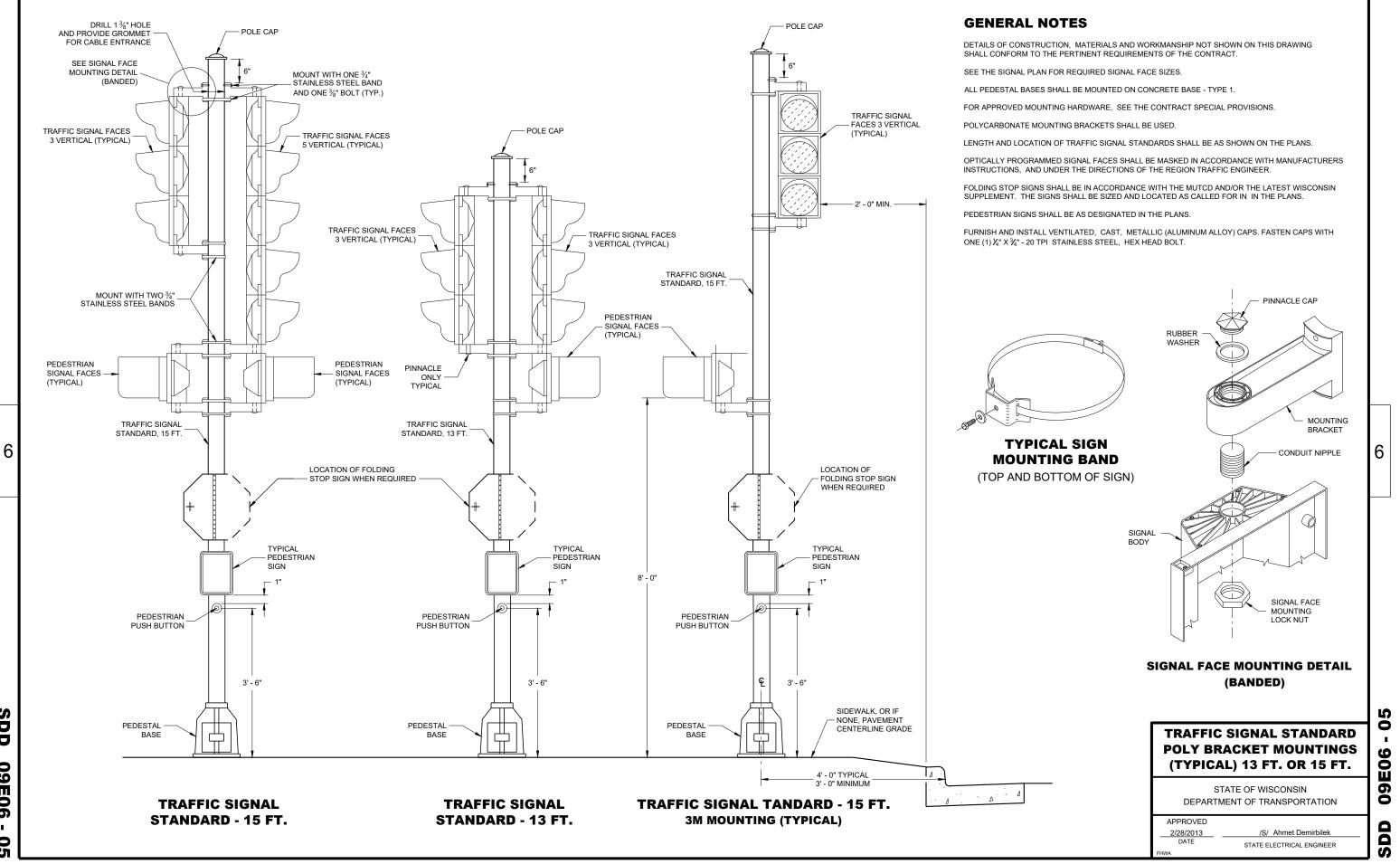
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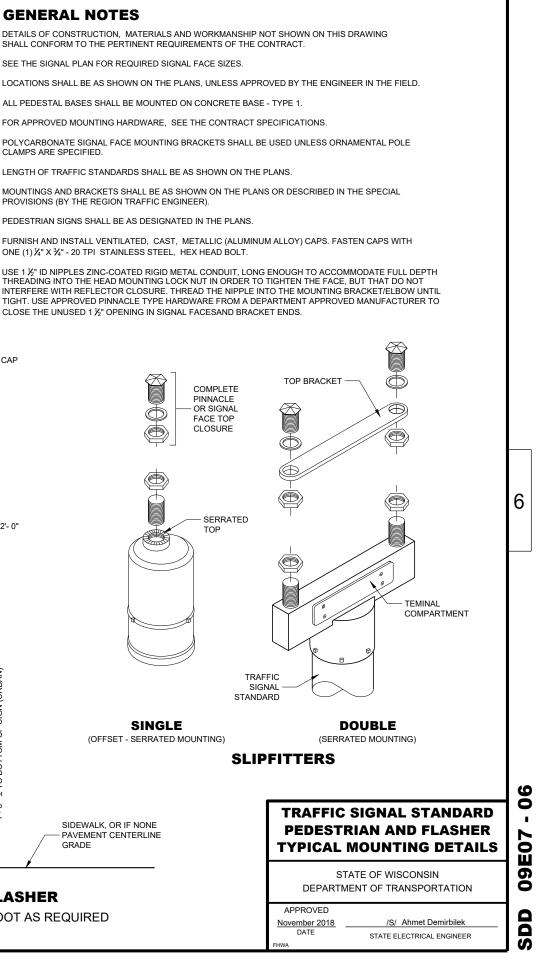


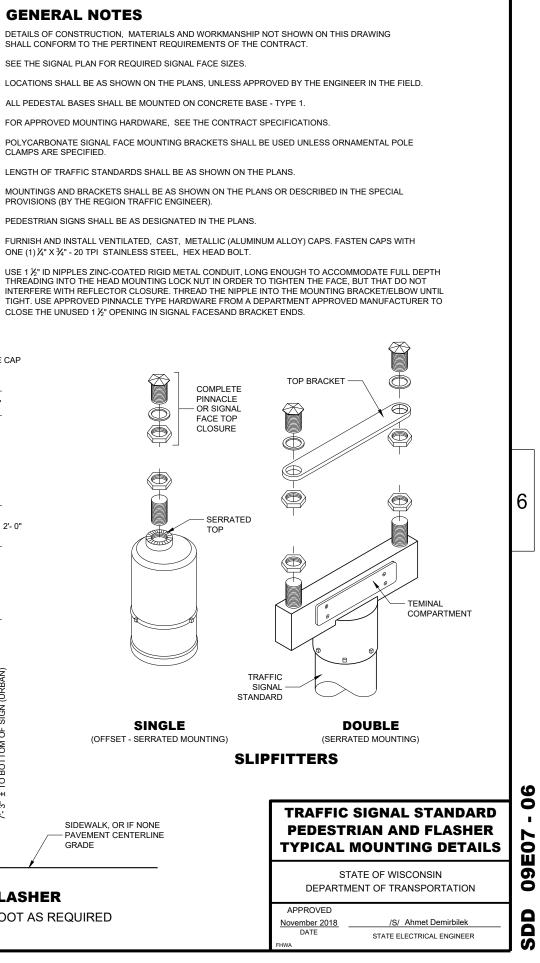
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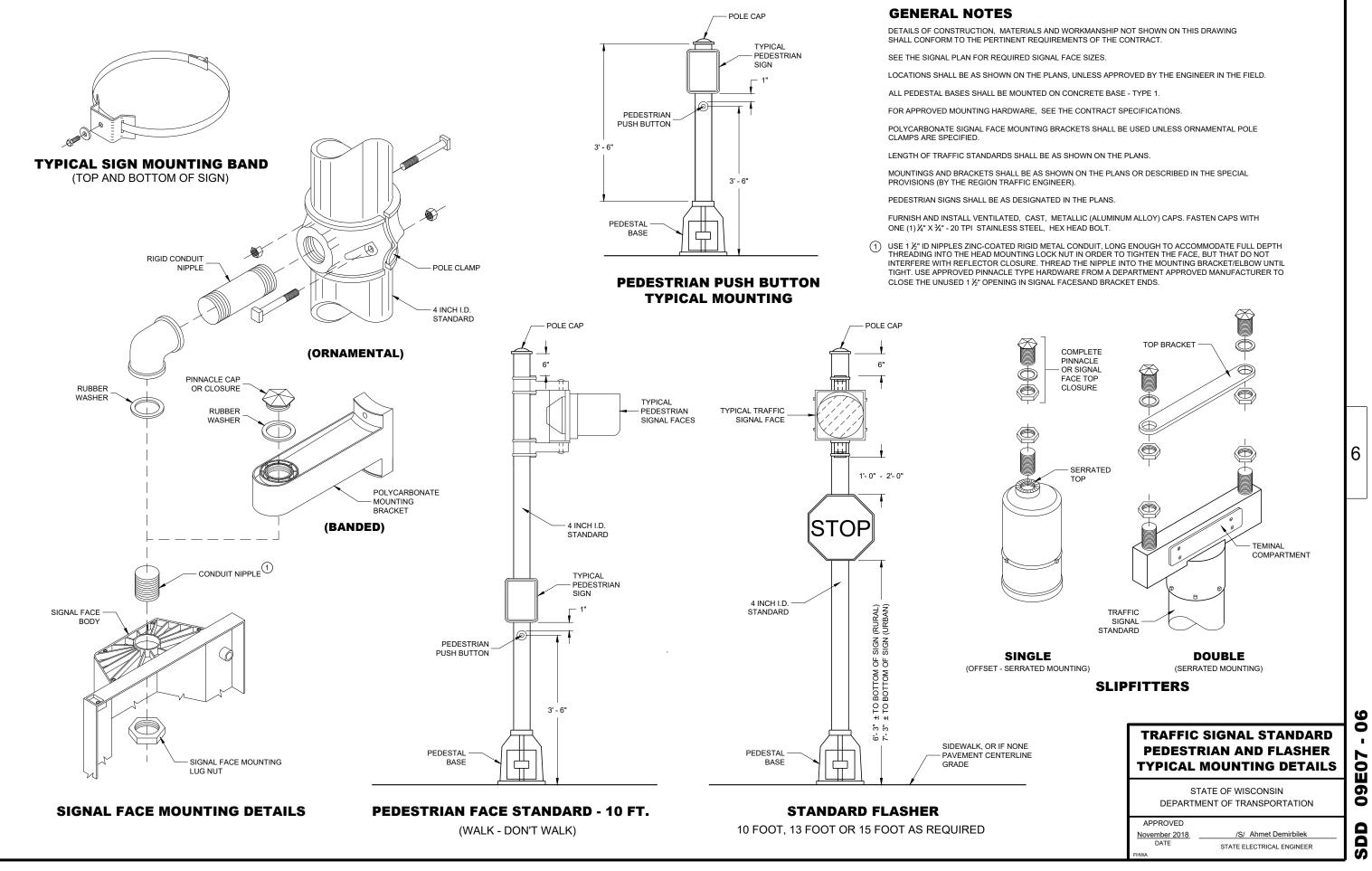
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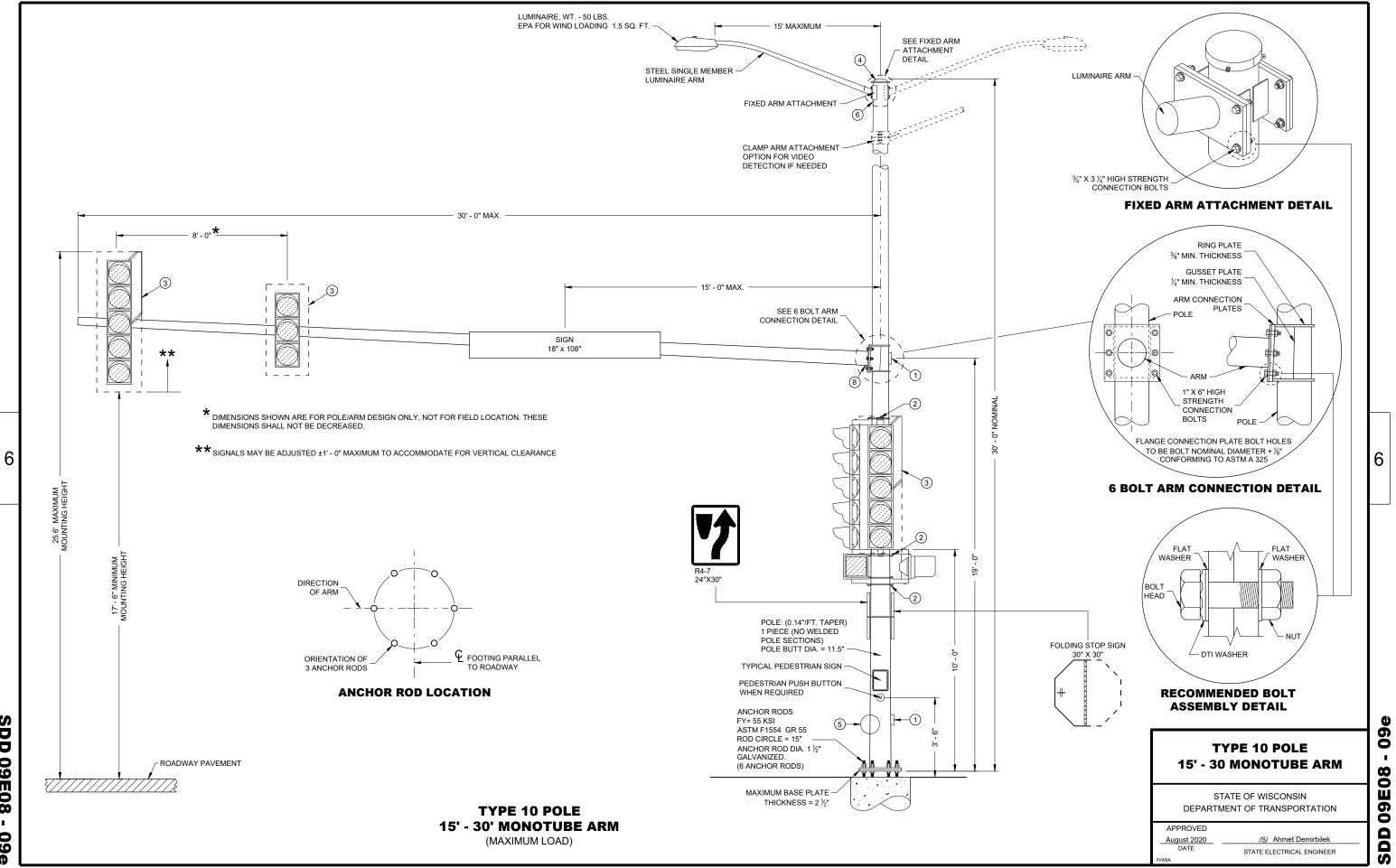


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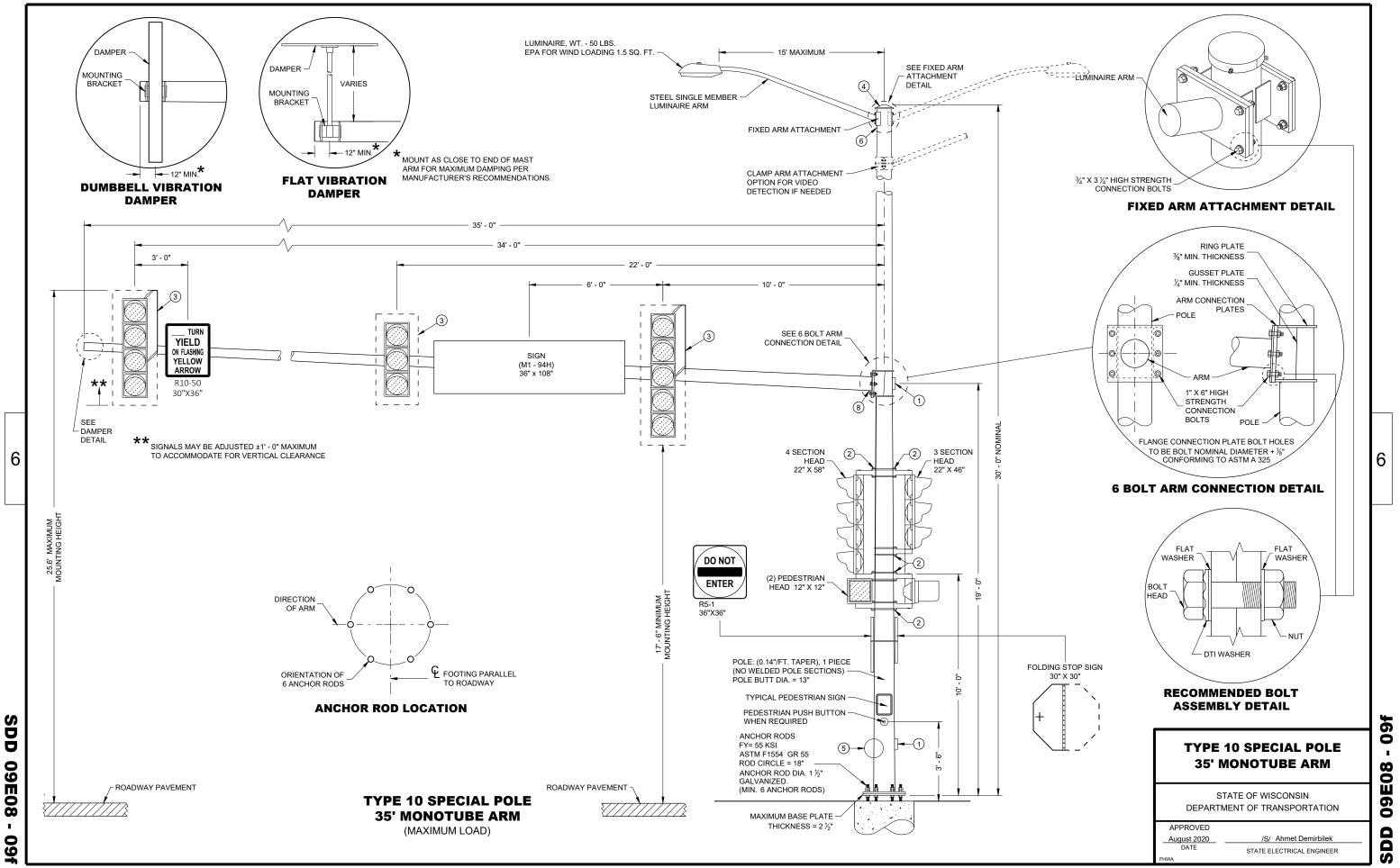




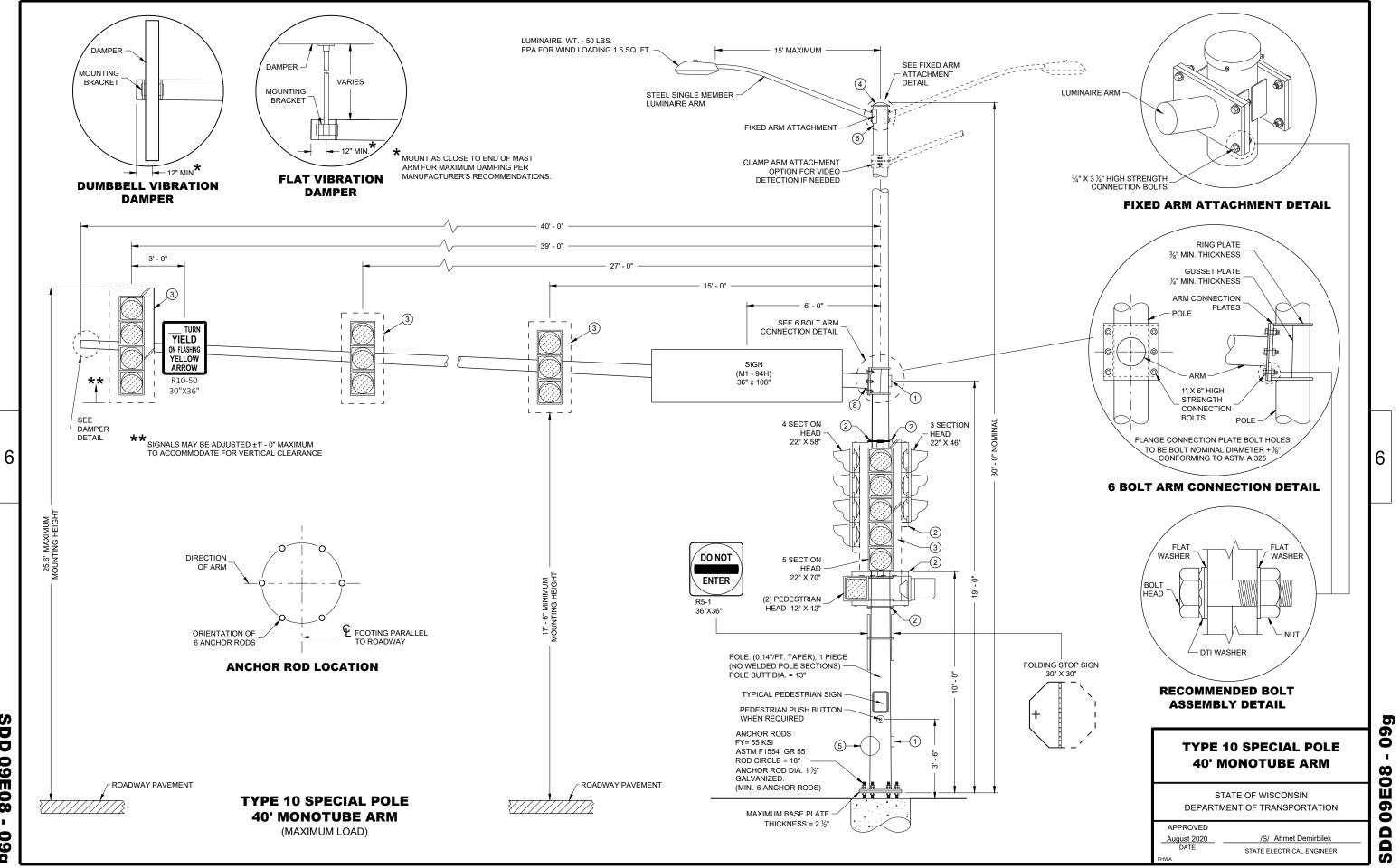




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SDD 09E08 09g

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL MOUNT ALL LIKE HEAD AT SAME ELEVATION

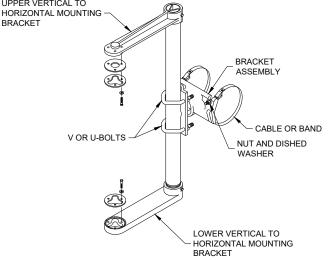
SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

- (1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO X" X X" 20 TPI STAINLESS STEEL HEX HEAD BOLTS
- SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION 2 SECTION 658).
- 3 SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS
- 4 THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.
- 5 FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR 1/2" X 1/2" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.
- 6 FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE
- $\overline{(7)}$ INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

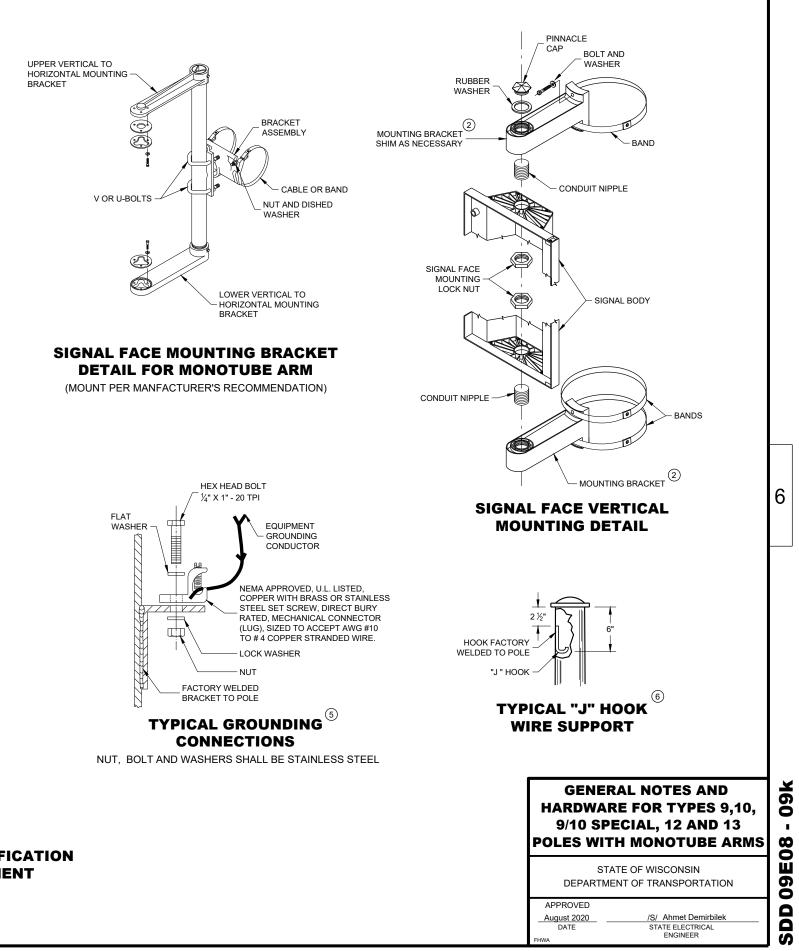
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE



DETAIL FOR MONOTUBE ARM

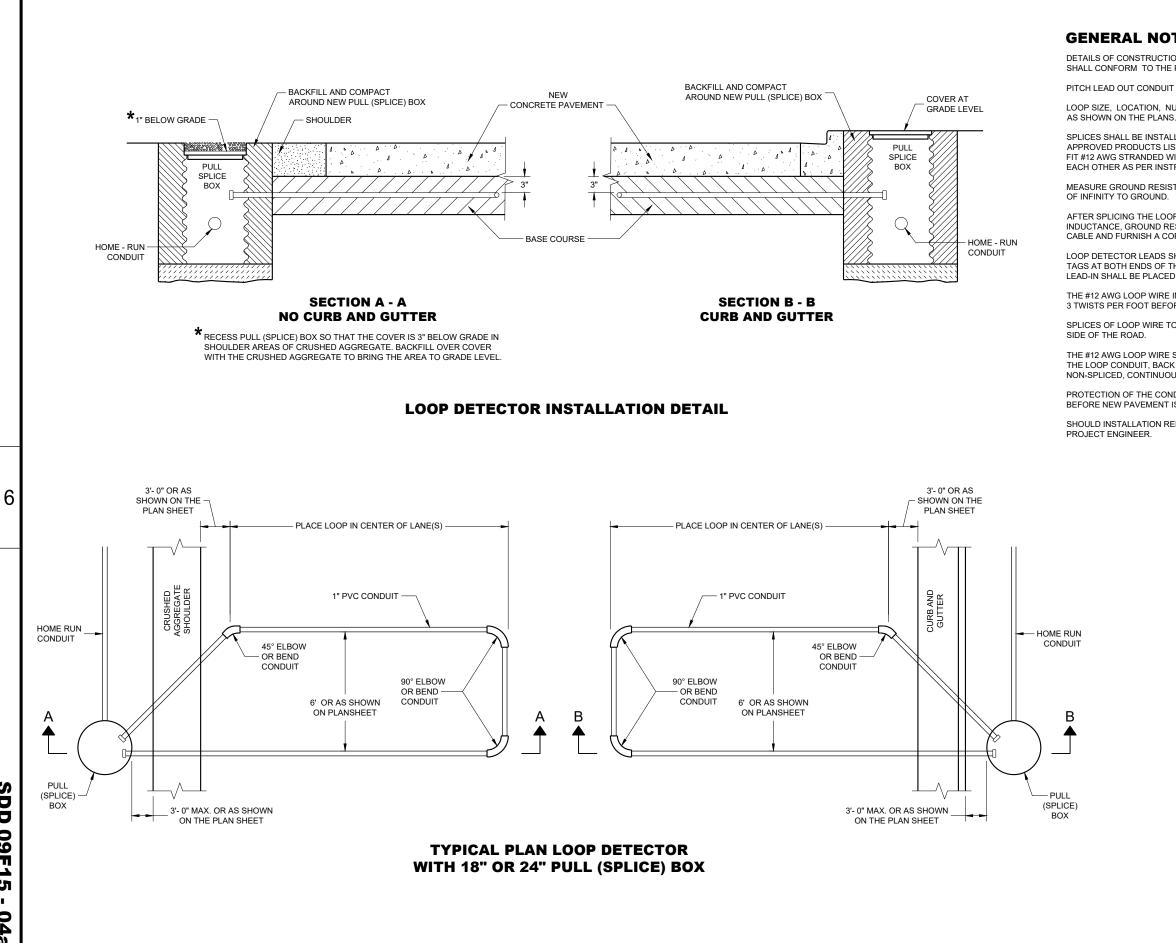


STRUCTURAL IDENTIFICATION **PLAQUE PLACEMENT**

6' - 0"

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DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE IN THE ROADSIDE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE

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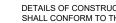
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LOOP DETECTOR INSTALLED **IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)**

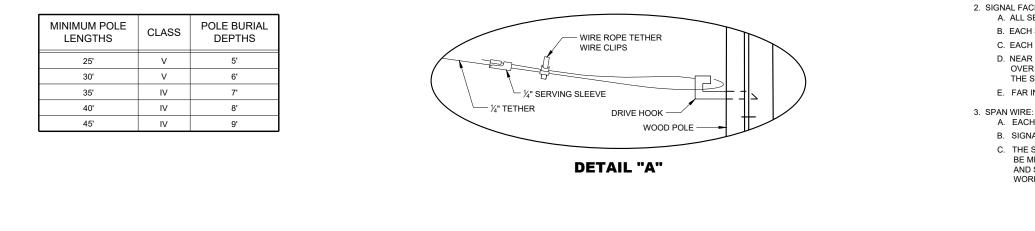
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

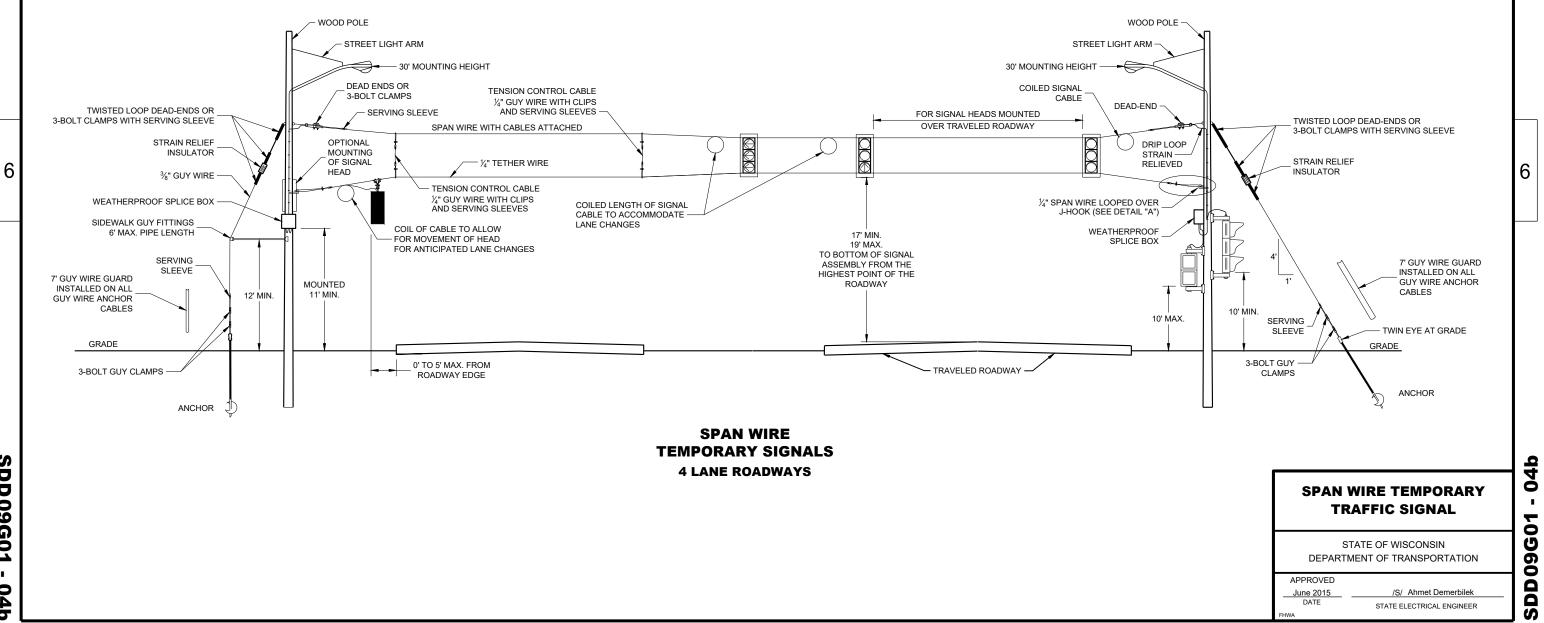
APPROVED September 2014 DATE

/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER









DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.

B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.

C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET

D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

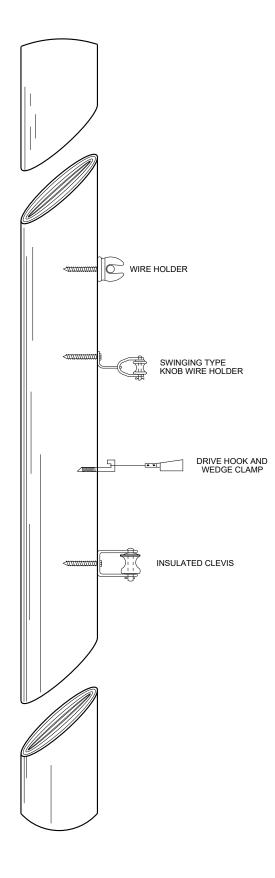
E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

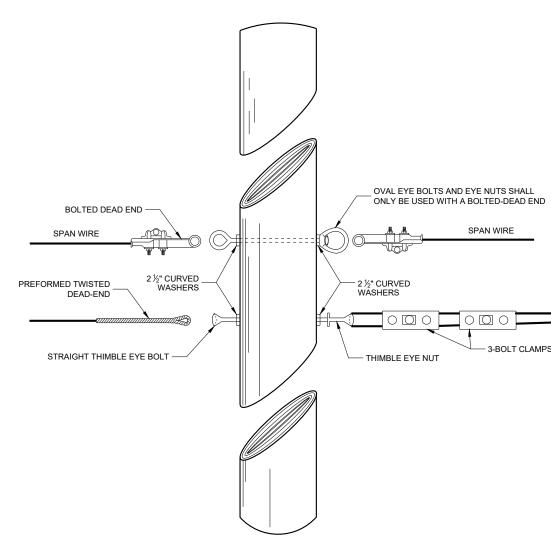
A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED

B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE. C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015 /S/ Ahmet Demerbilek DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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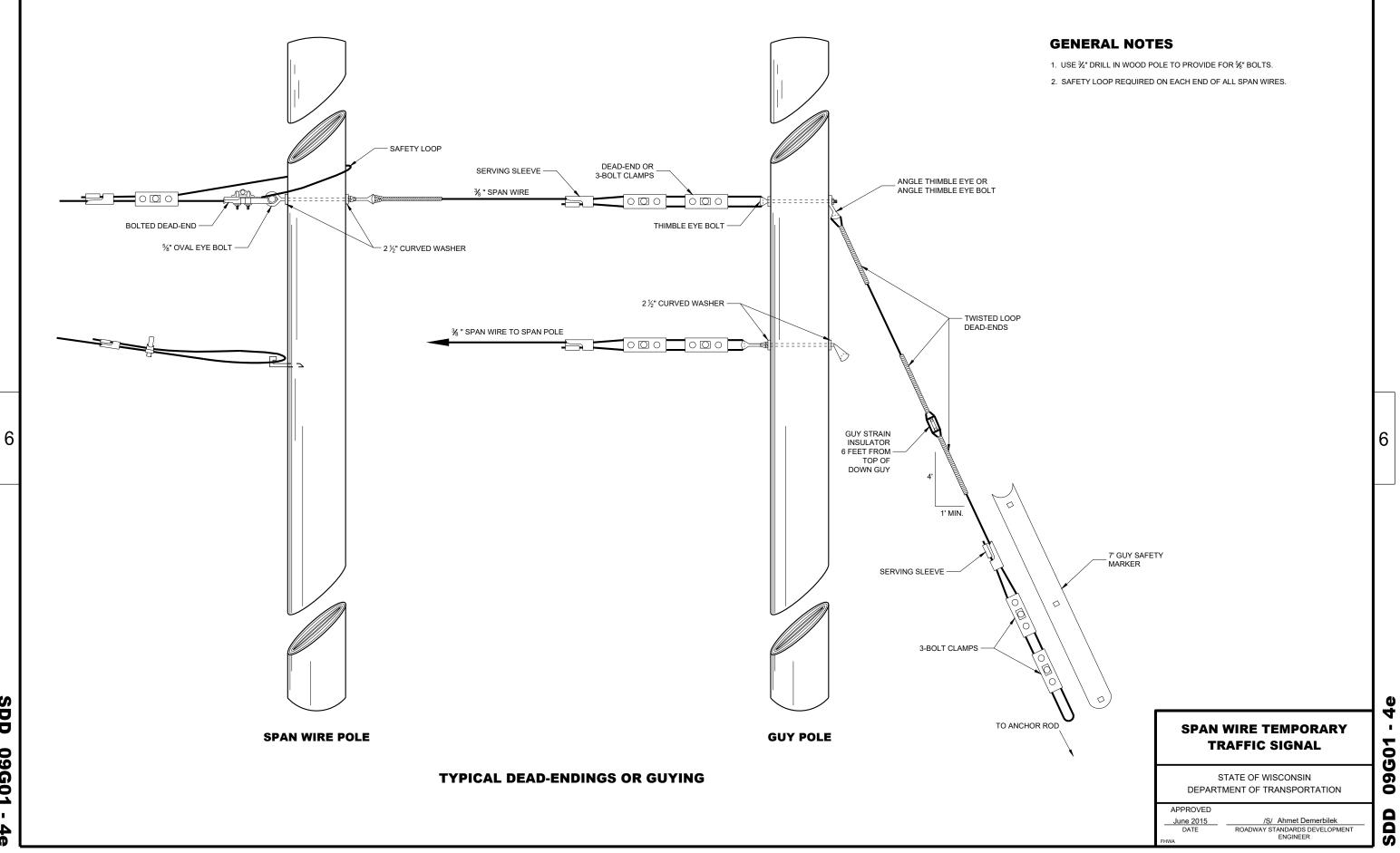
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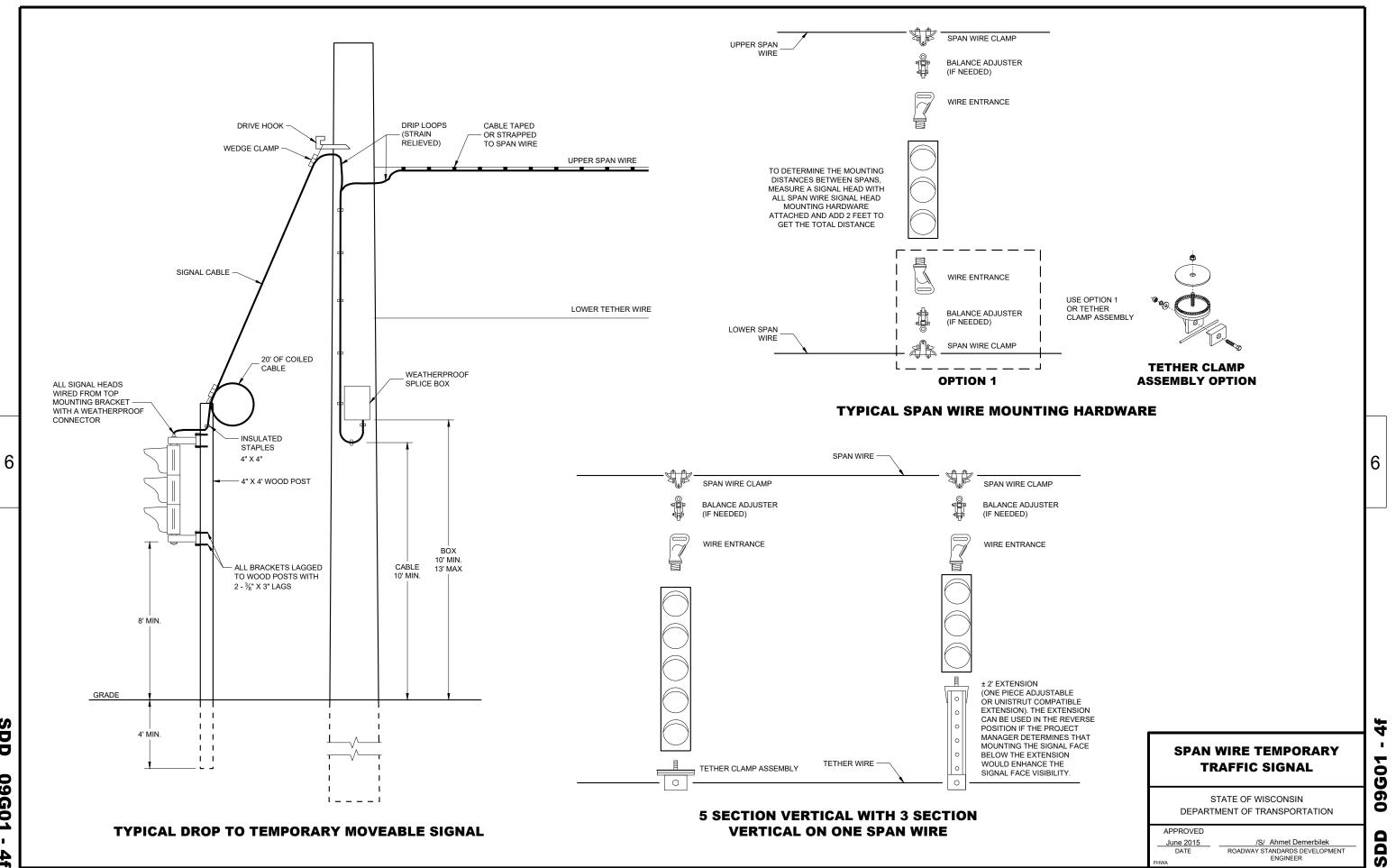
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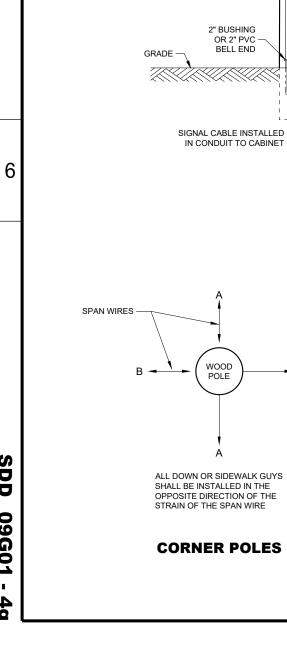
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-LFC 1_ - SERVING SLEEVE - 3-BOLT CLAMPS



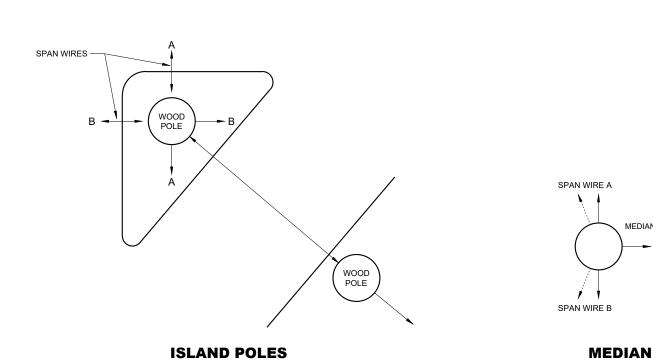


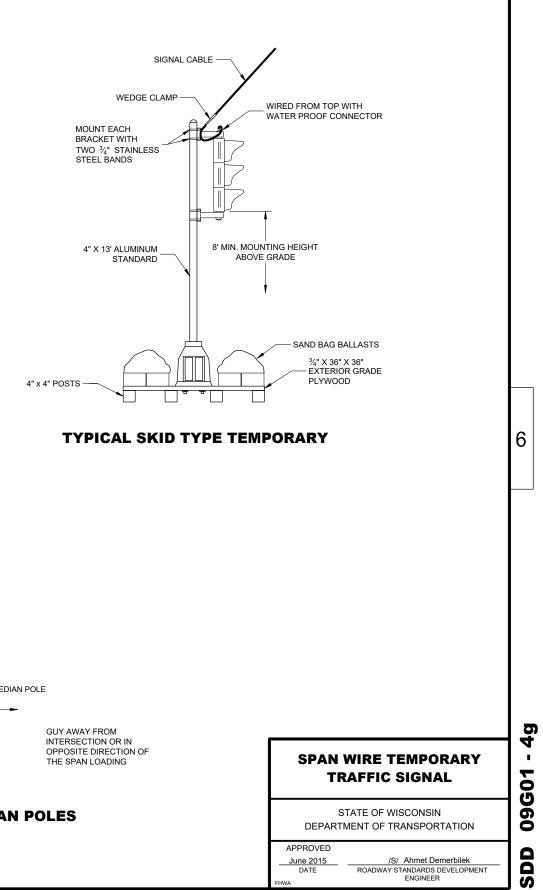
SDD 09G01 **4**

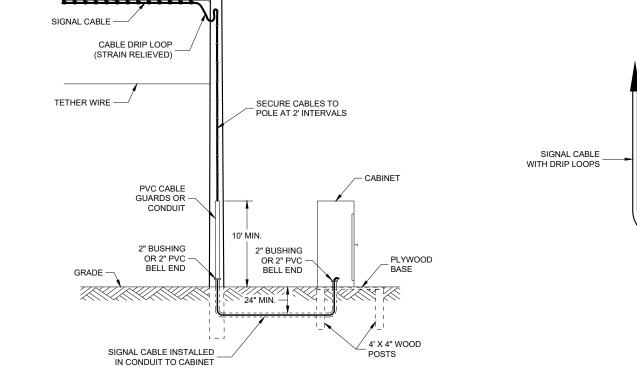


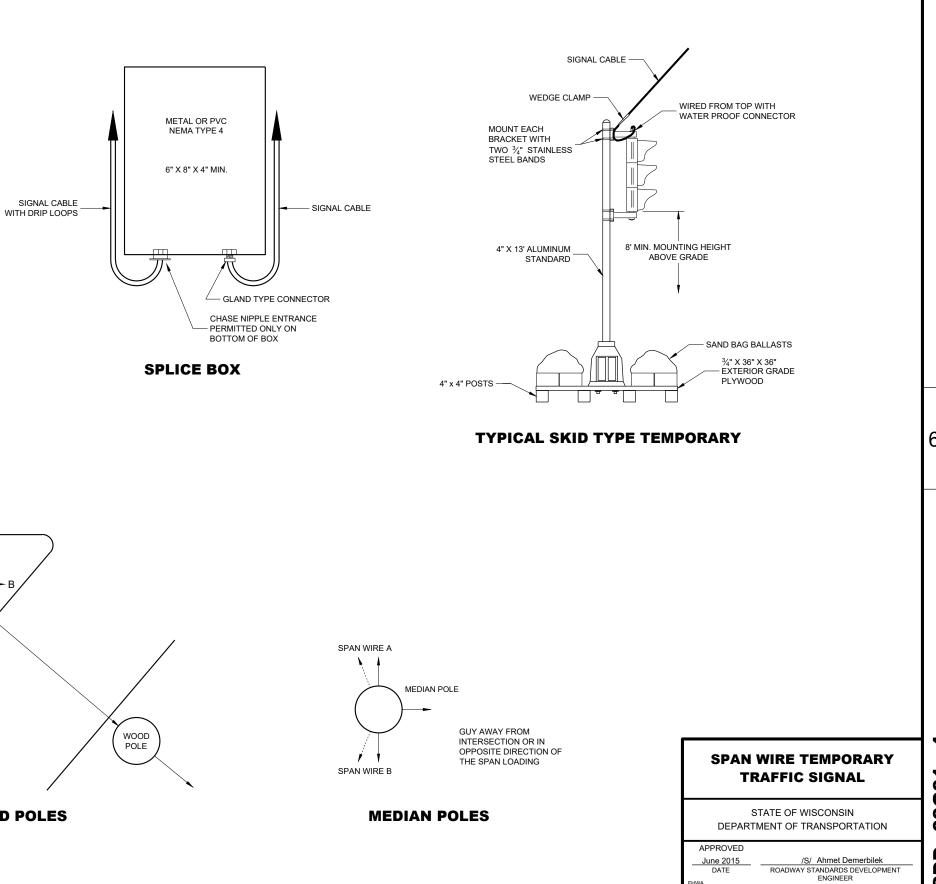
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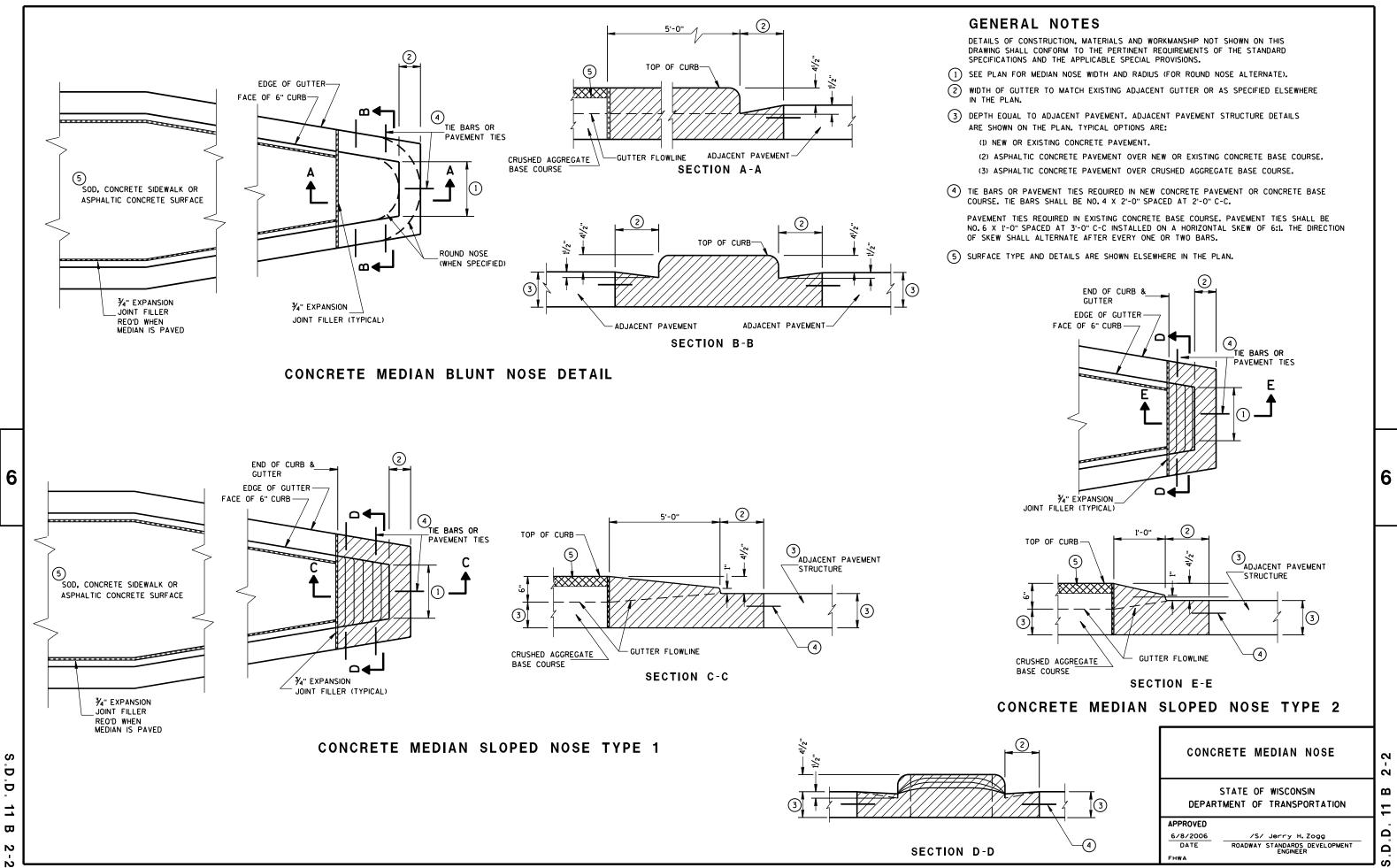
SPAN WIRE -



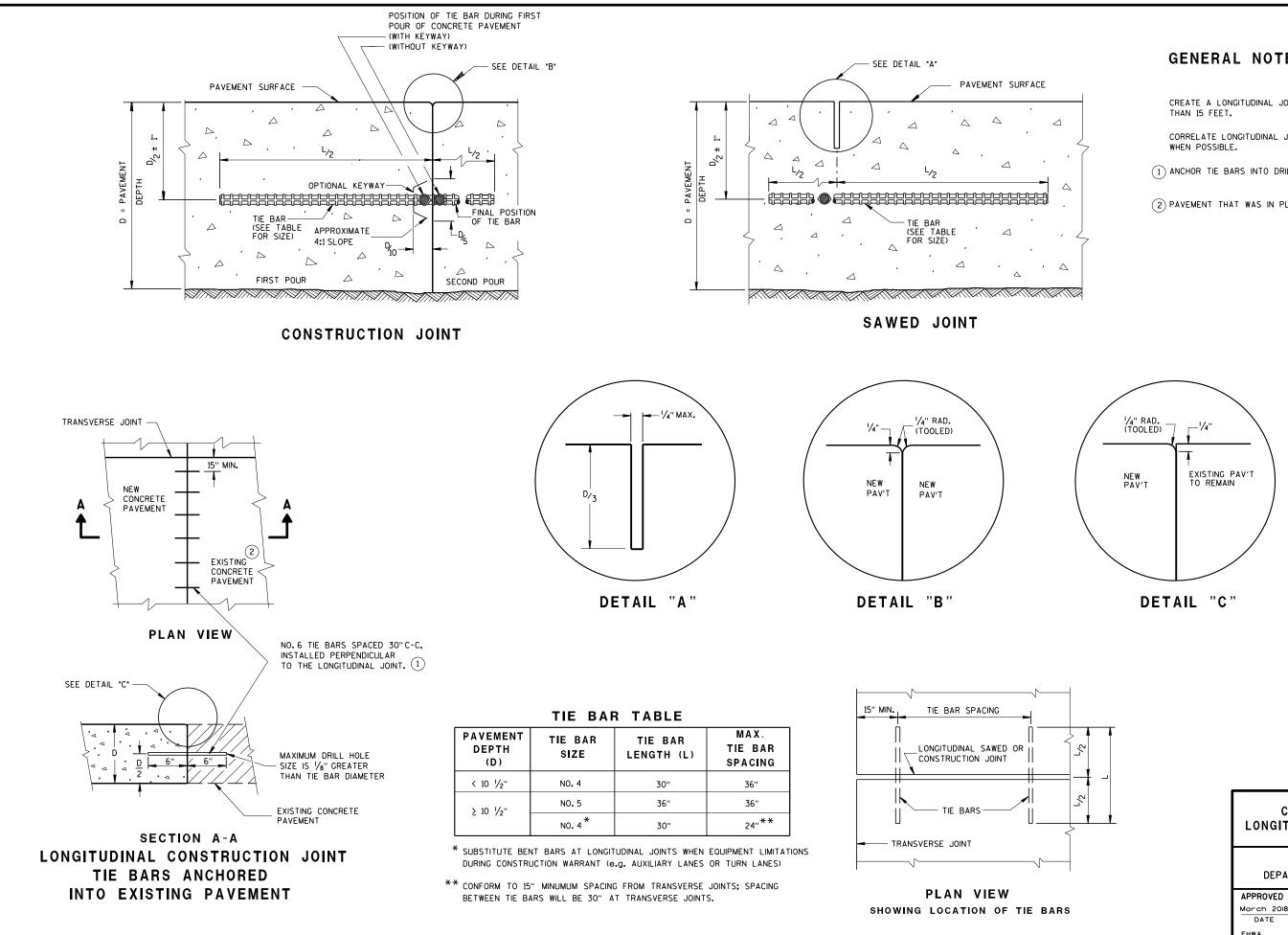








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GENERAL NOTES

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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SURFACE.

CONSTRUCTION JOINTS

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

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

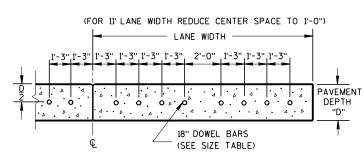
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO DRILLED DOWEL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

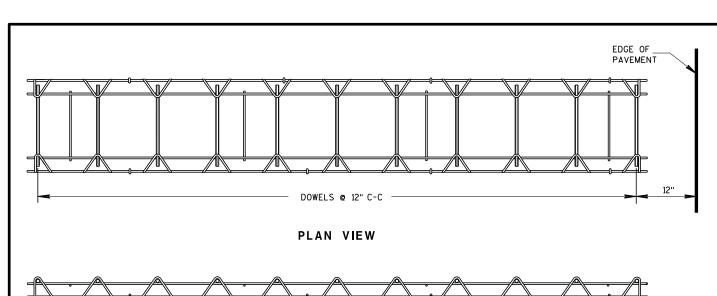
6 APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

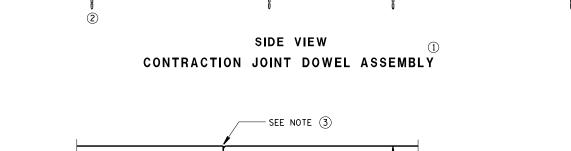
(7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS $^{\prime}\!\!/_8\text{-INCH}$ GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.

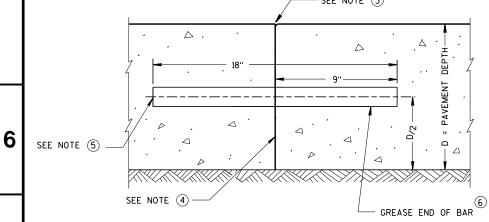
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE ON

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTIC JOINT SPACING
5 1/2",6",6 1/2"	NONE	12'
י ₂ ", 7 יי ₂	1''	14'
8" . 8 ¹ /2"	1 1⁄4"	15'
9" , 9 ¹ /2"	1 ¹ ⁄4"	15'
10" & ABOVE	1 <mark>//</mark> 2"	15'

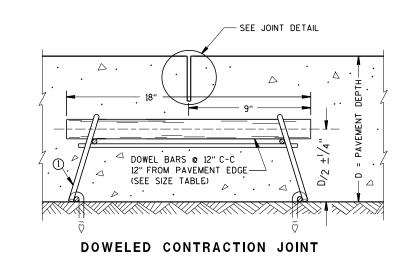








TRANSVERSE CONSTRUCTION JOINT



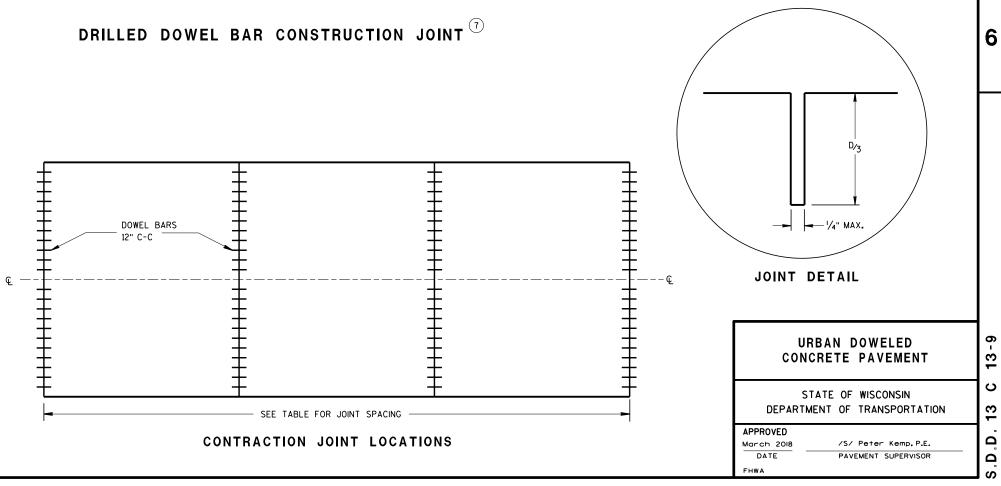
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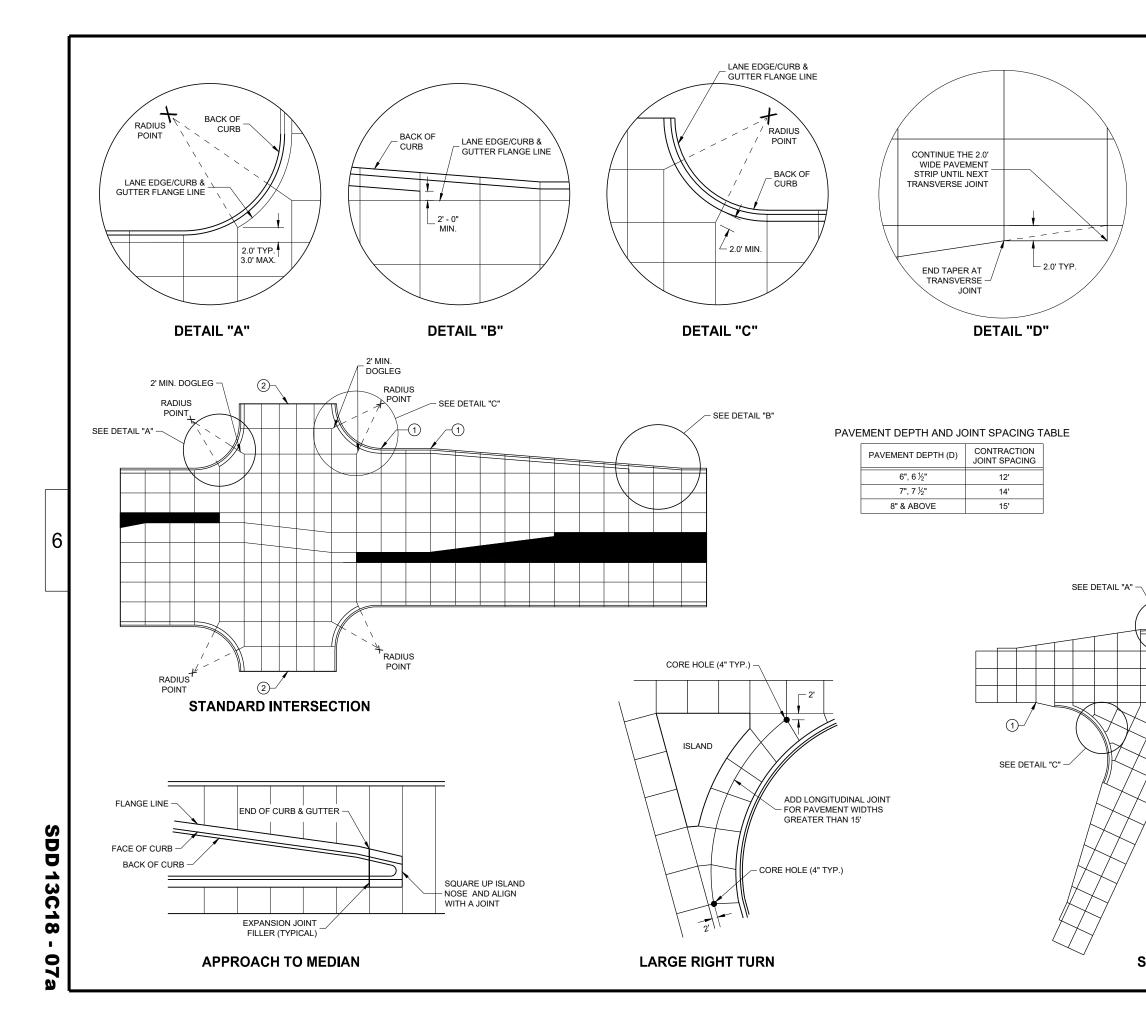
CONTRACTION JOINTS

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

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 AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A $\frac{1}{4}$ -INCH RADIUS AT FORMED JOINTS.



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° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

(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 WITHEDGE OF RADIUS.

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

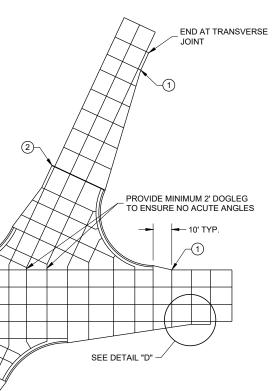
ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1 PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

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



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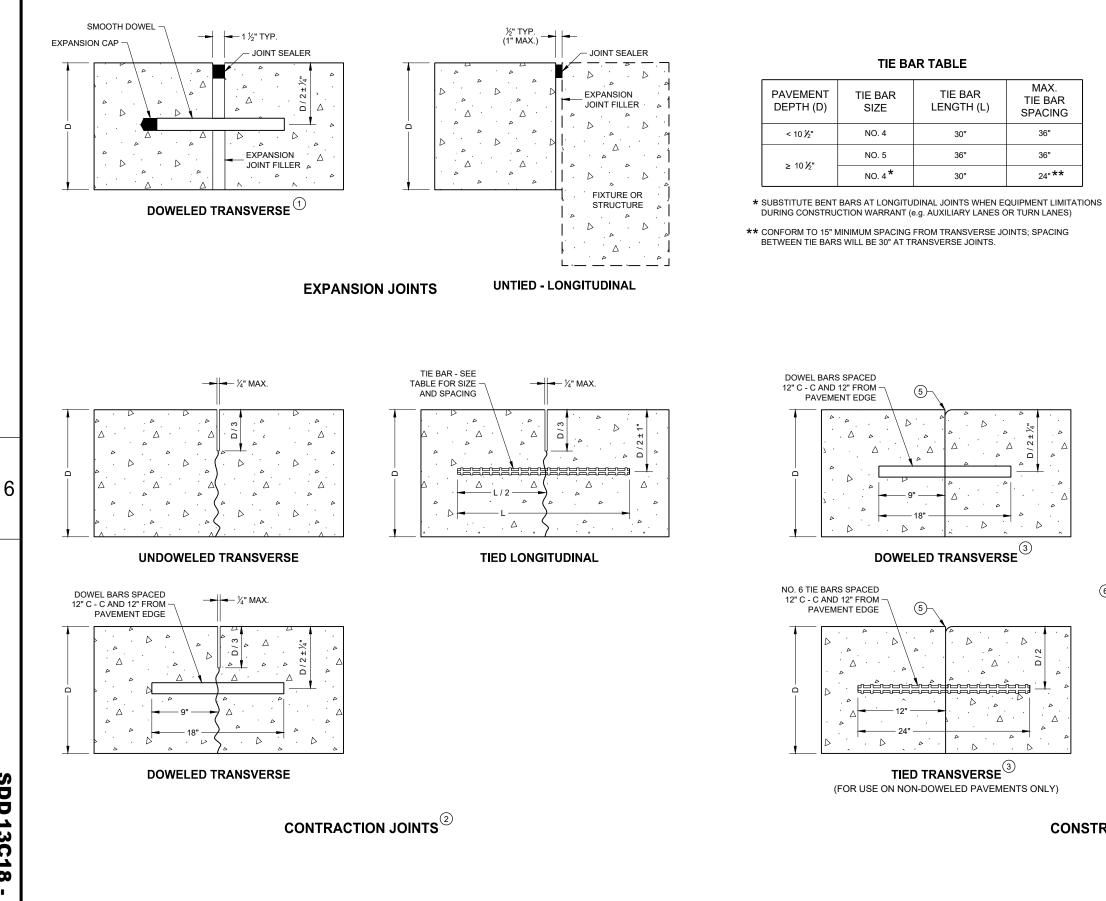
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CONCRETE PAVEMENT JOINTING

SKEWED INTERSECTION

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



MAX.

TIE BAR

36"

36"

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 $\operatorname{construction joints}^{\textcircled{4}}$

24"******

GENERAL NOTES

(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.

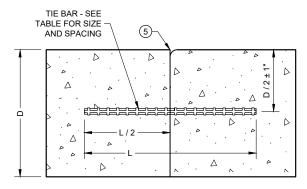
(2) SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13

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

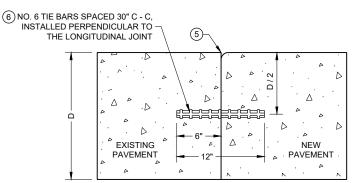
(4) CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.

(5) IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.

(6) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



TIED LONGITUDINAL





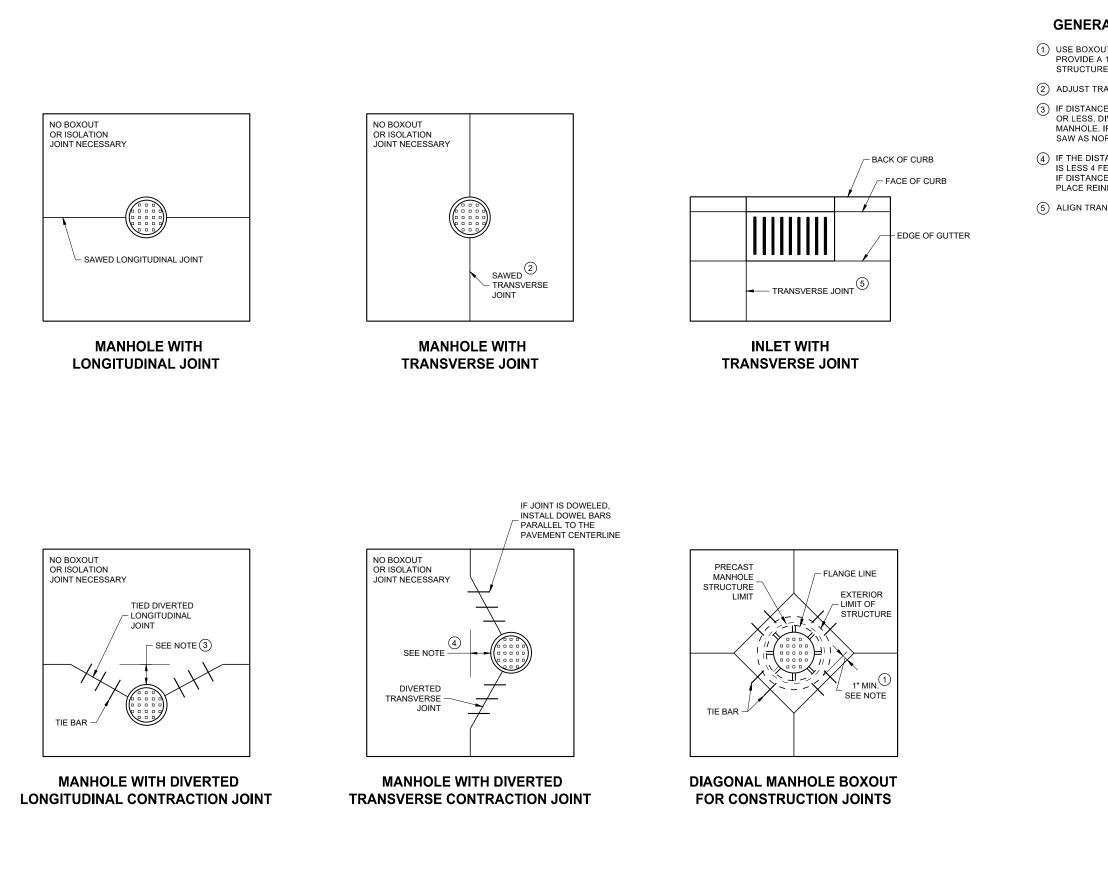


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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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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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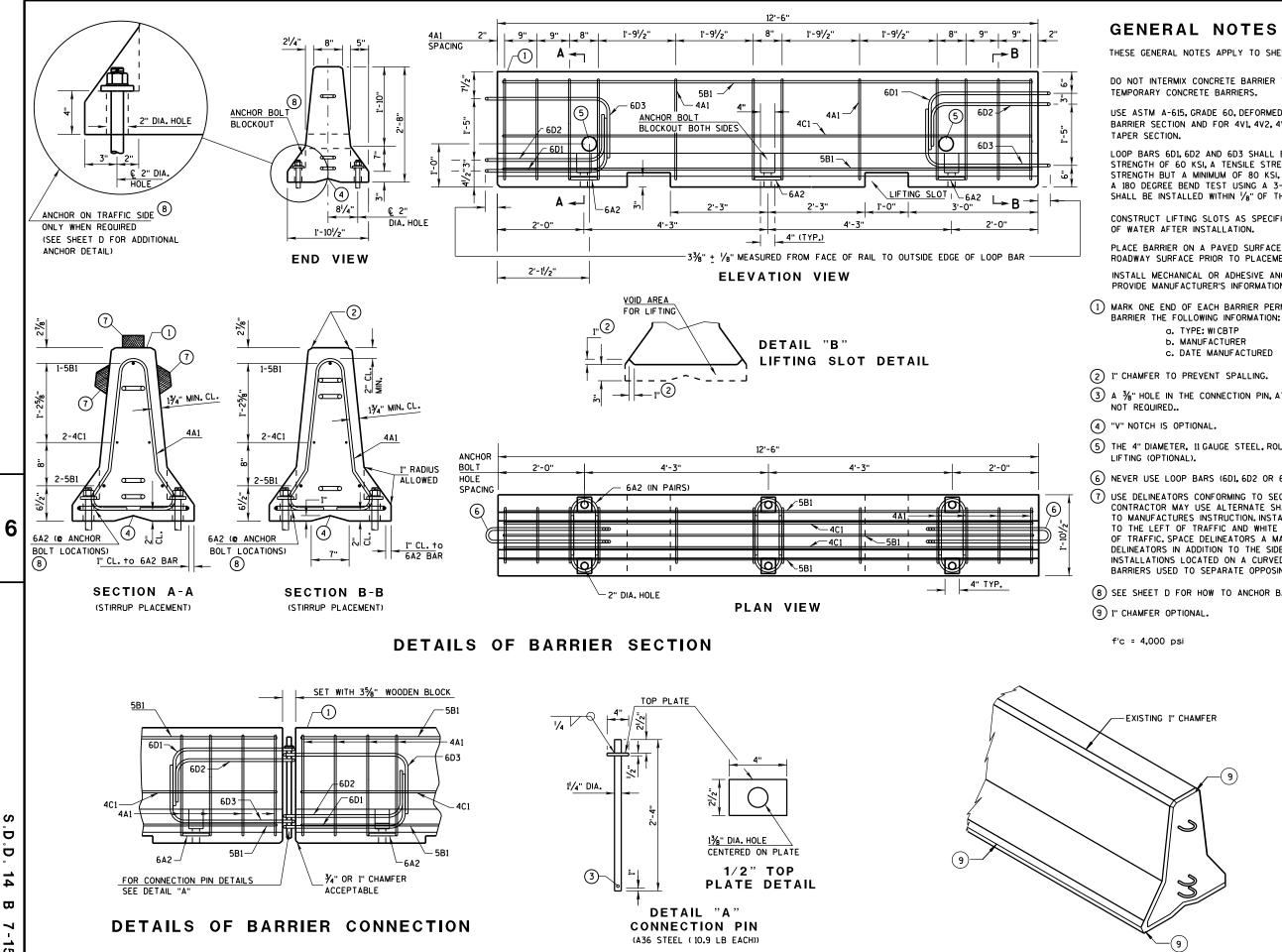
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2018 DATE

/S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

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THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

- DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER
- USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER
- LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE $\frac{3}{4}$ " SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-1/2" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN 1/8" OF THE PLAN DIMENSION.
- CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE
- PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.
- INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.
- (1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE

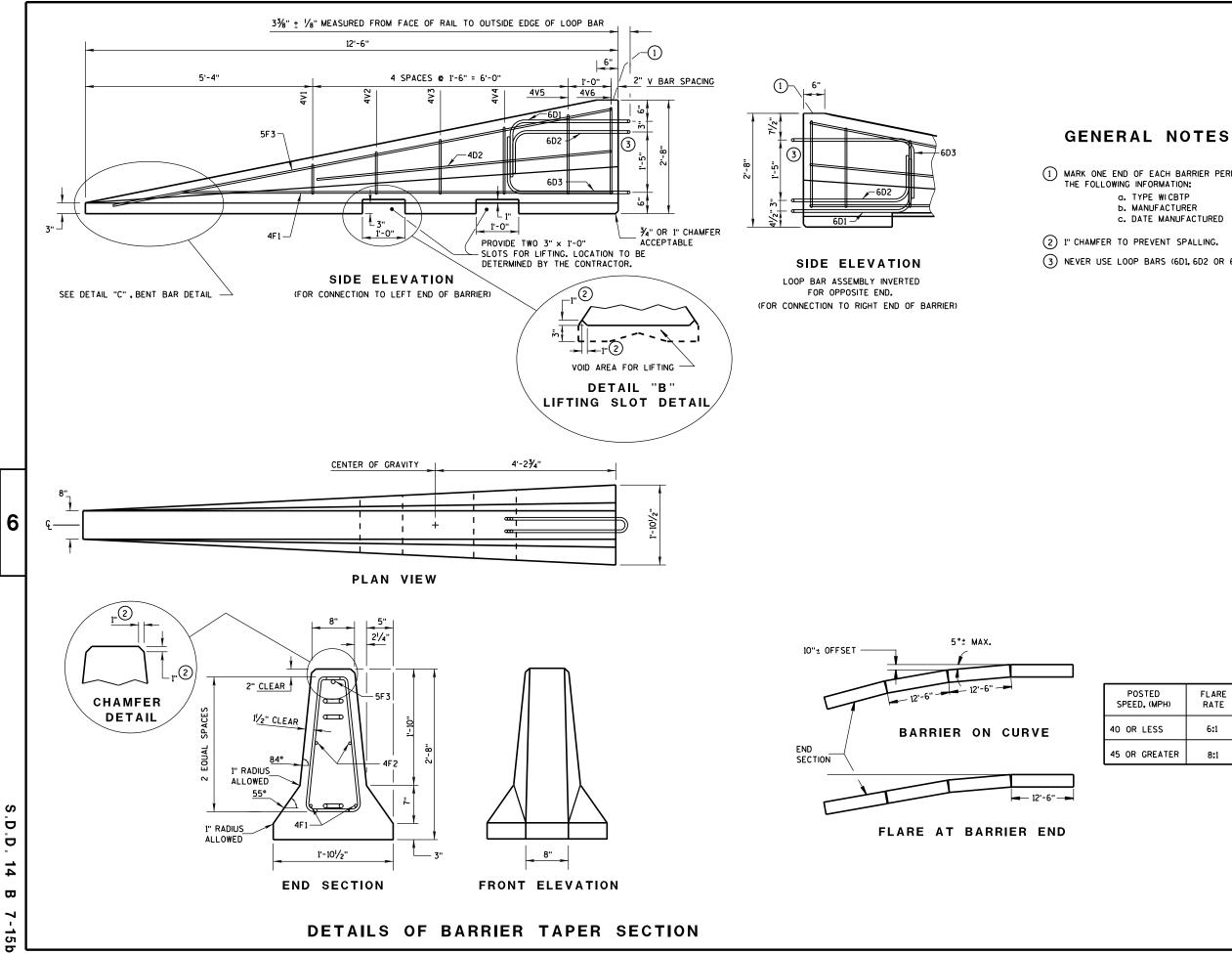
 - **b. MANUFACTURER**
 - c. DATE MANUFACTURED (MONTH AND YEAR)
- (3) A 3/8" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT
- (5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR
- (6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.
- (7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.
- (8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER TYPE WICBTP
 MANUFACTURER c. DATE MANUFACTURED (MONTH AND YEAR)

(3) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

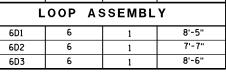
red (MPH)	FLARE RATE
ESS	6:1
REATER	8:1

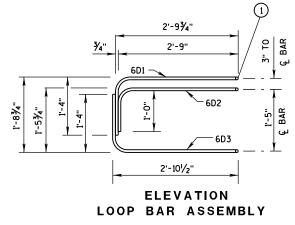
CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

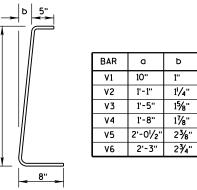
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION -15b ~ ш 14 Δ Δ S

BARRIER TAPER SECTION BILL OF MATERIALS (PER 12'-6" BARRIER TAPER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.		
4V1	4	2	1'-11''		
4V2	4	2	2'-2"		
4V3	4	2	2'-6"		
4V4	4	2	2'-9"		
4V5	4	2	3'-2"		
4V6	4	2	3'-4"		
4F1	4	2	12'-0"		
4F2	4	2	7'-6"		
5F 3	5	1	11'-9"		
LOOP ASSEMBLY					
6D1	6	1	8'-5"		
6D2	6	1	7'-7"		







2" MIN. CLEAR 2" MIN. CLEAR

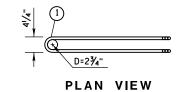
DETAIL "C" BENT BAR DETAIL

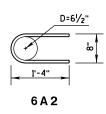




(PER 12'-6" BARRIER SECTION)

BAR	BAR SIZE	NO. OF BARS	LENGTH FT.			
4A1	4	12	6'-0"			
6A2	6	6	2'-11"			
5B1	5	3	12'-2"			
4C1	4	2	12'-2"			
LOOP ASSEMBLY						
6D1	6	2	8'-5"			
6D2	6	2	7'-7"			
6D3	6	2	8'-6"			



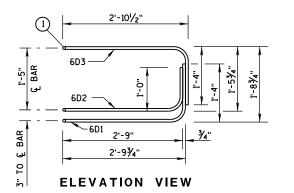


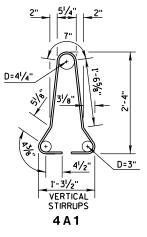


TAPER BARRIER SECTION

6

1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.





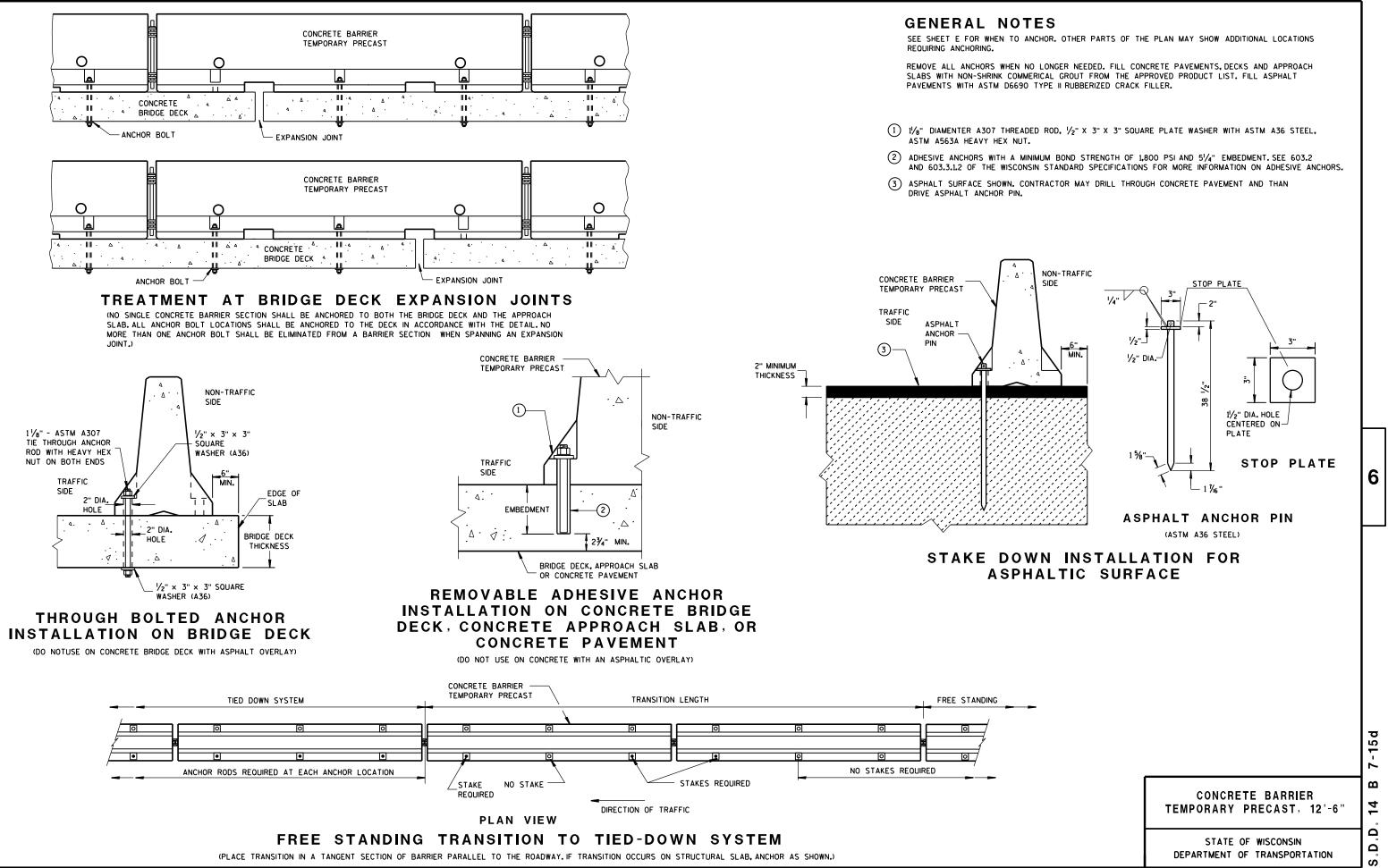
BARRIER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 6

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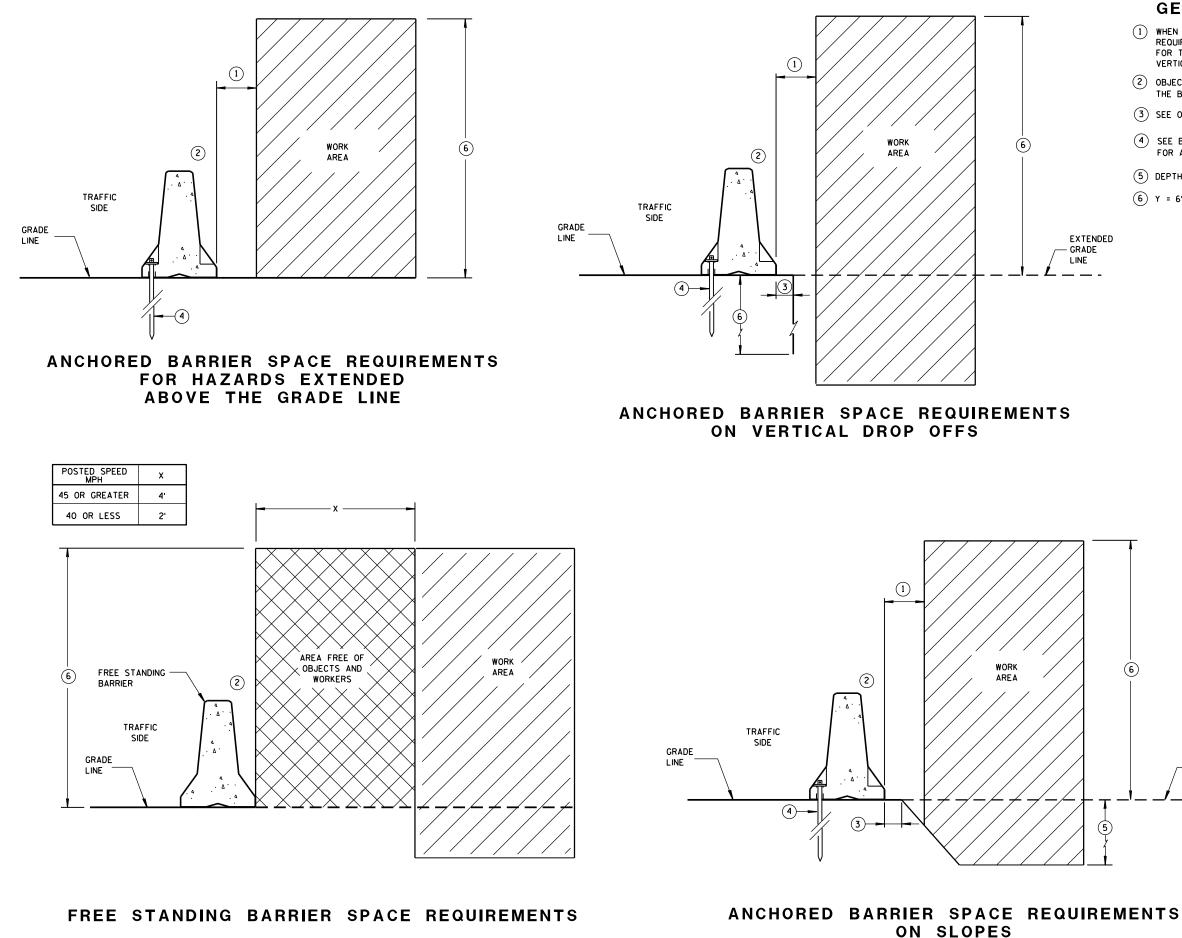
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GENERAL NOTES

- 1 when objects extend above the grade, a minimum of 1 foot is required from back of barrier to object. See other details for FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
- (2) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
- (3) SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
- (4) SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
- (5) DEPTH OF 3 FEET OR MORE.
- (6) Y = 6'-6".

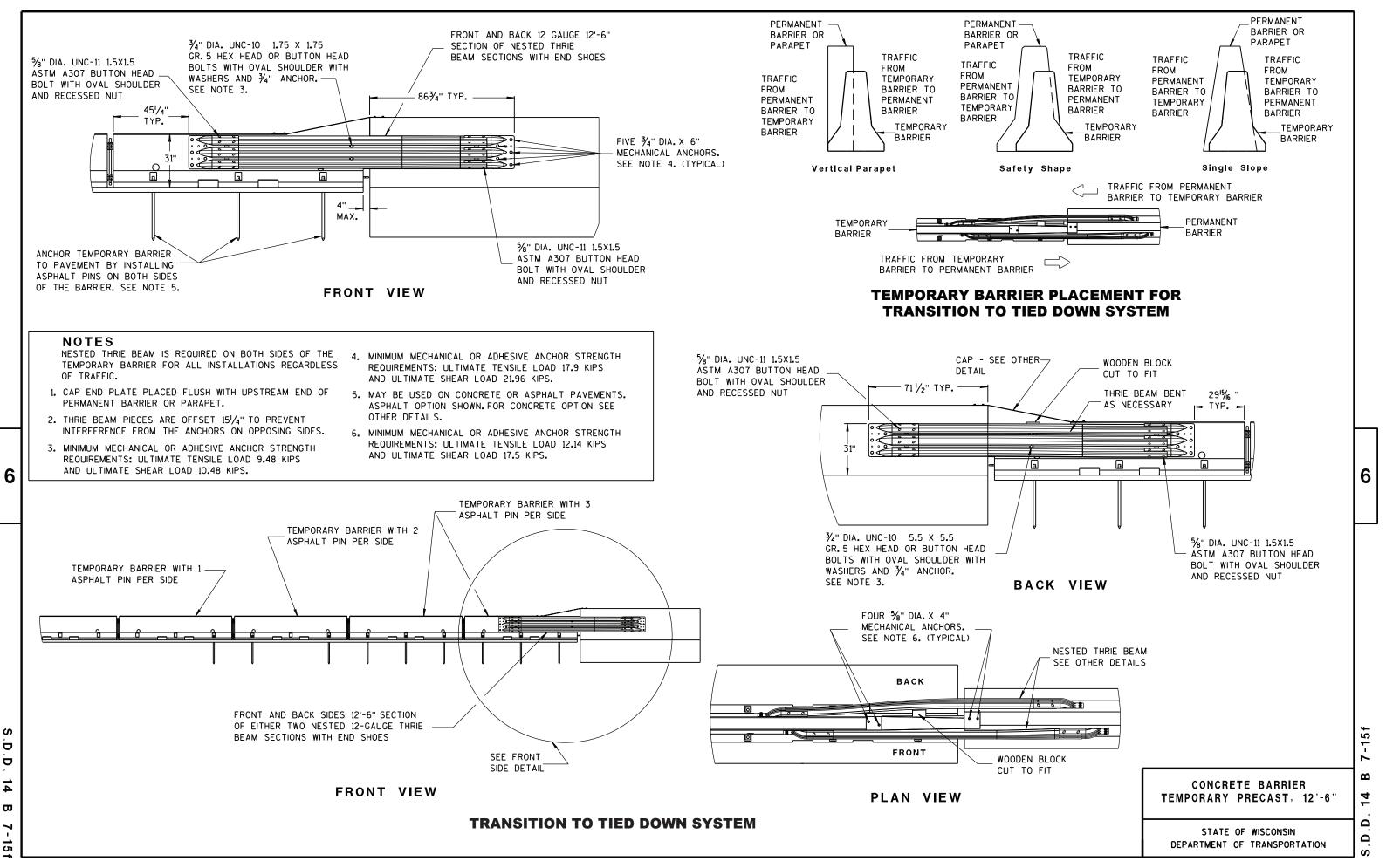
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CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

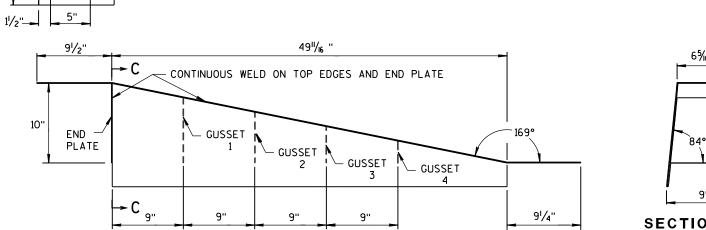
EXTENDED

GRADE LINE



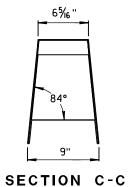
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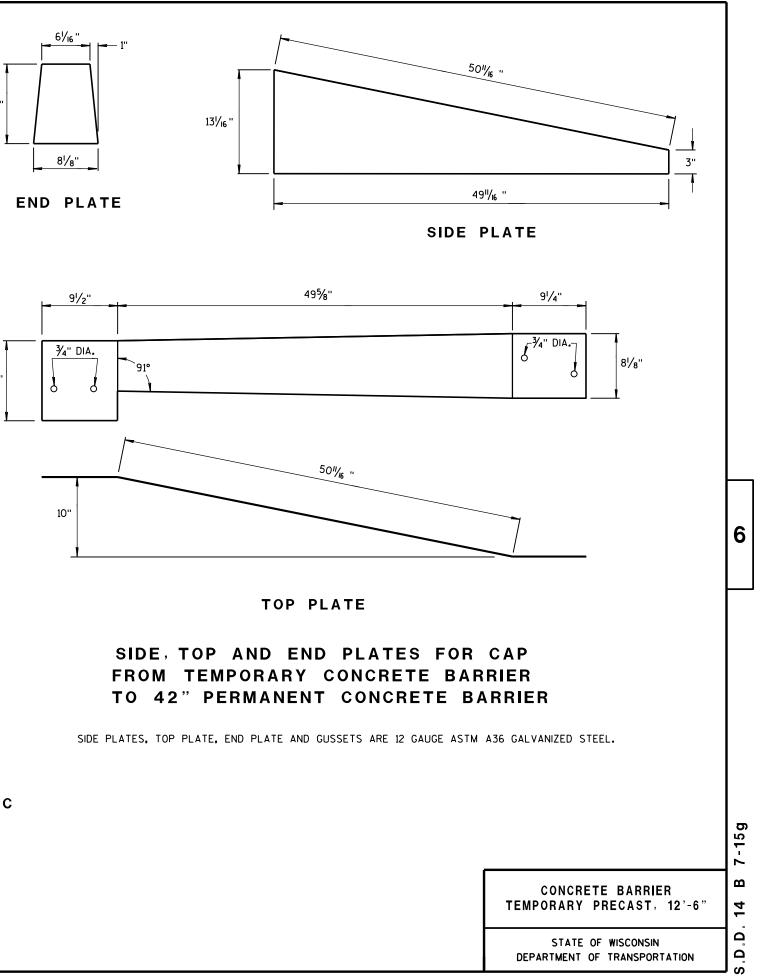
CAP DETAILS FOR TEMPORARY CONCRETE **BARRIER TO 42" PERMANENT CONCRETE BARRIER**



GUSSET

- 3





GUSSETS

GUSSET

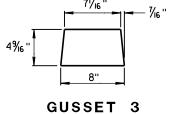
- 2

GUSSET

- 1

1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED

2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP



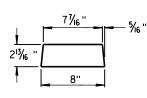
END PLATE

NOTES

ON THREE SIDES.

PLATE, END PLATE, AND GUSSETS.

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GUSSET 4

GUSSET

- 4

6¹/4"

0

— 11/2''

2''

31/16 ''

71⁄16 ''

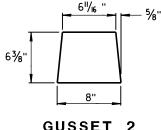
6‰"

8"

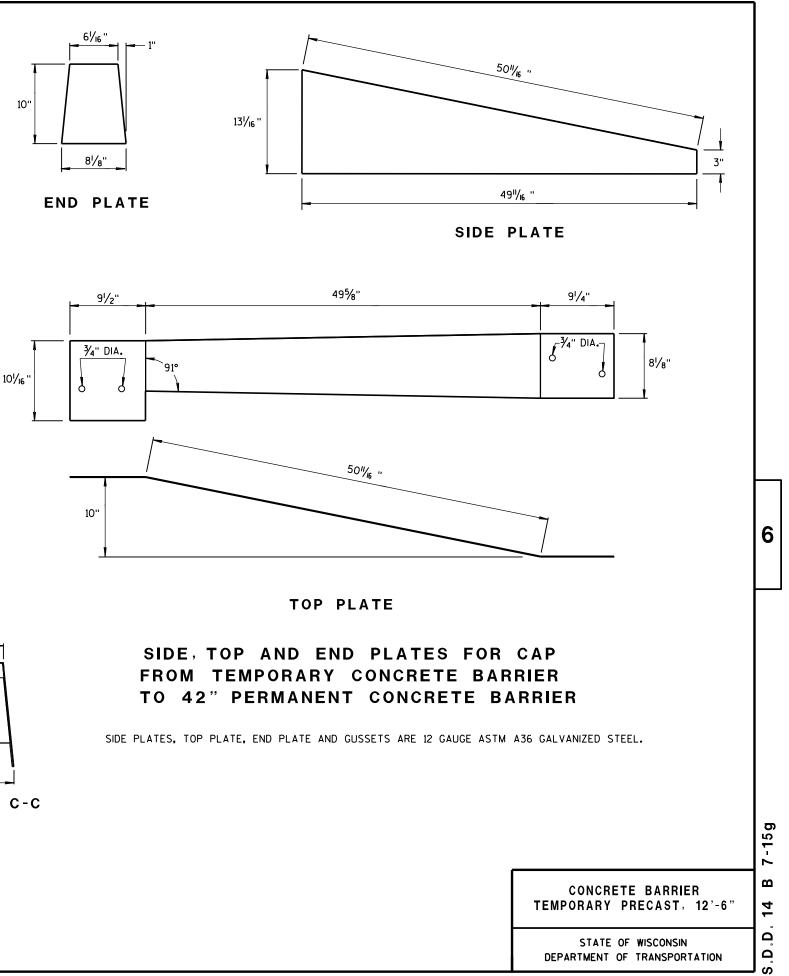
GUSSET 1

8¾6'

- 13/16

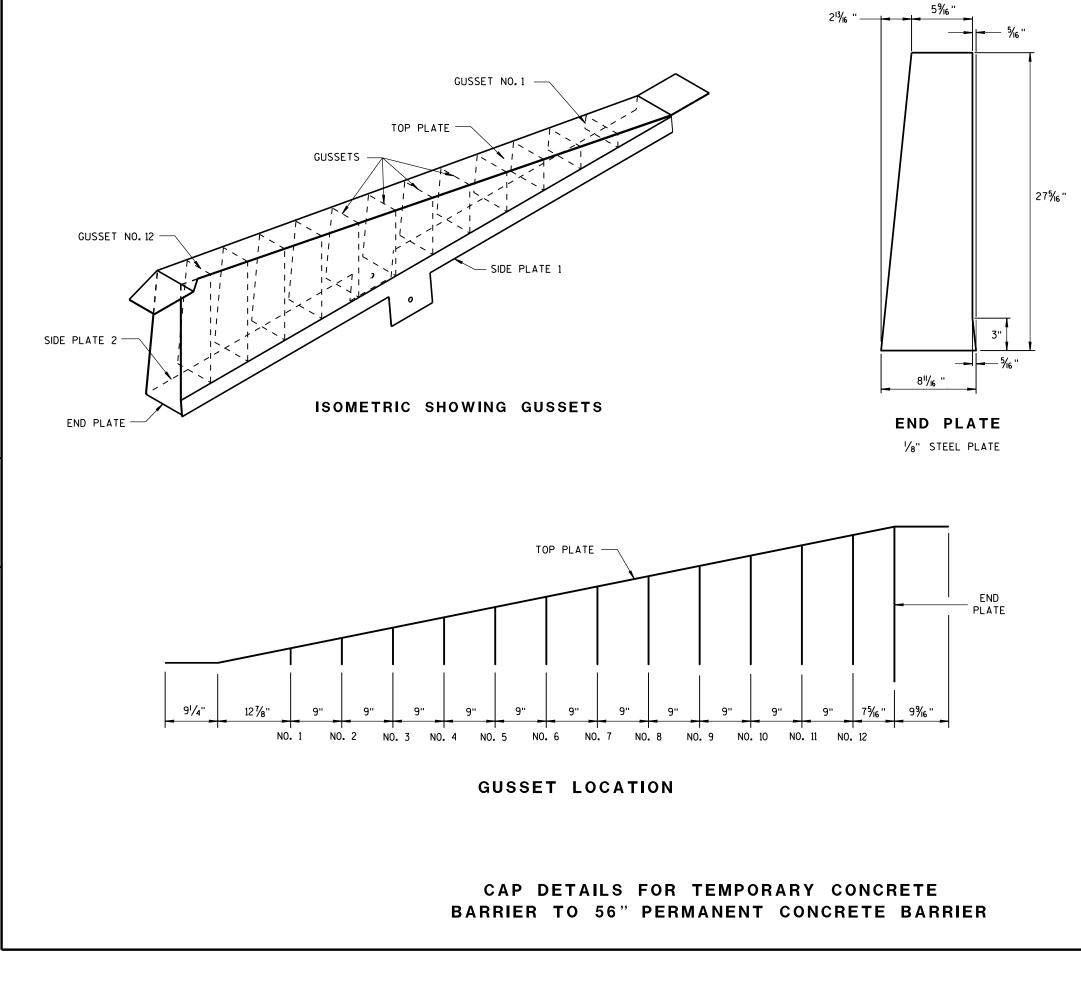


GUSSET 2



6

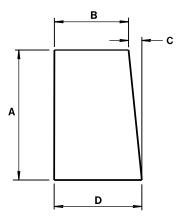
4"



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GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS					
GUSSET NO.	А	В	с	D	
1	21⁄8"	7¾"	1⁄4"	8	
2	4"/ ₁₆ "	7%6 ''	1/2"	8	
3	6 /2"	7 3⁄ 8"	"/16 "	8¼ ₁₆ "	
4	85⁄16 ''	7¾6 ''	7⁄8"	8¼ ₆ "	
5	10 ¹ /8''	7"	1 1/ ₁₆ "	8 / ₁₆ "	
6	11'5%6 ''	6 ¹³ //6 ''	1 1⁄4"	8 / ₁₆ ''	
7	13¾"	6 ⁵ ⁄8''	1 7⁄16 ''	8¼ ₆ "	
8	15%6 "	6¾6 "	1 %6 "	81⁄16 ''	
9	17 3⁄ 8''	6 ¹ /4"	1 13/16 ''	8¼ ₆ "	
10	193/6 ''	6¼ ₆ "	1 ¹⁵ /16 ''	8¼ ₆ ''	
11	21"	5 7⁄8"	2¾6 "	8 / ₁₆ ''	
12	22 ¹³ ⁄16 ''	5 ¹¹ /16 ''	25⁄16 ''	8¼ ₆ "	

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

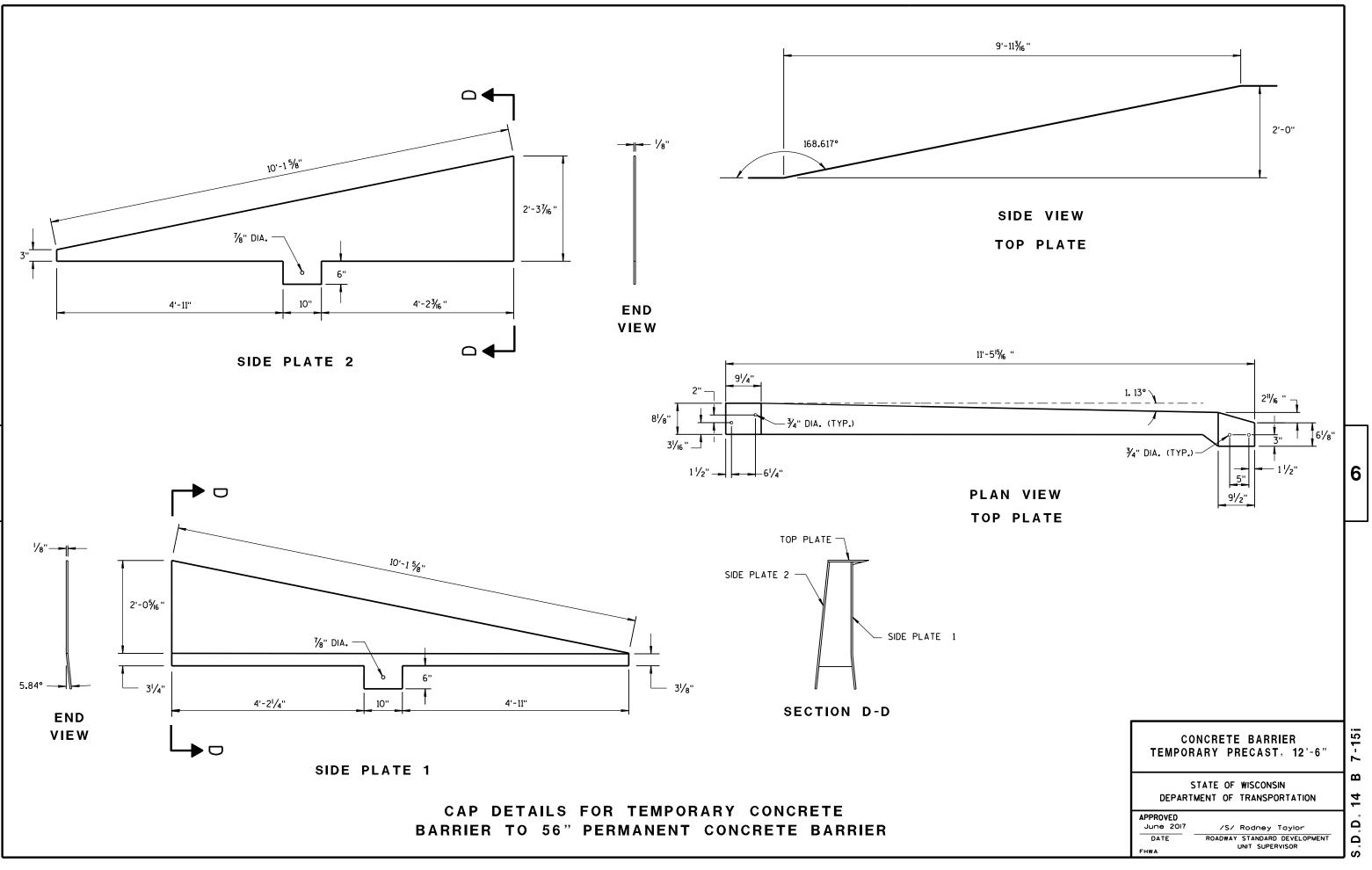
GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

D.D.14 B 7-15h

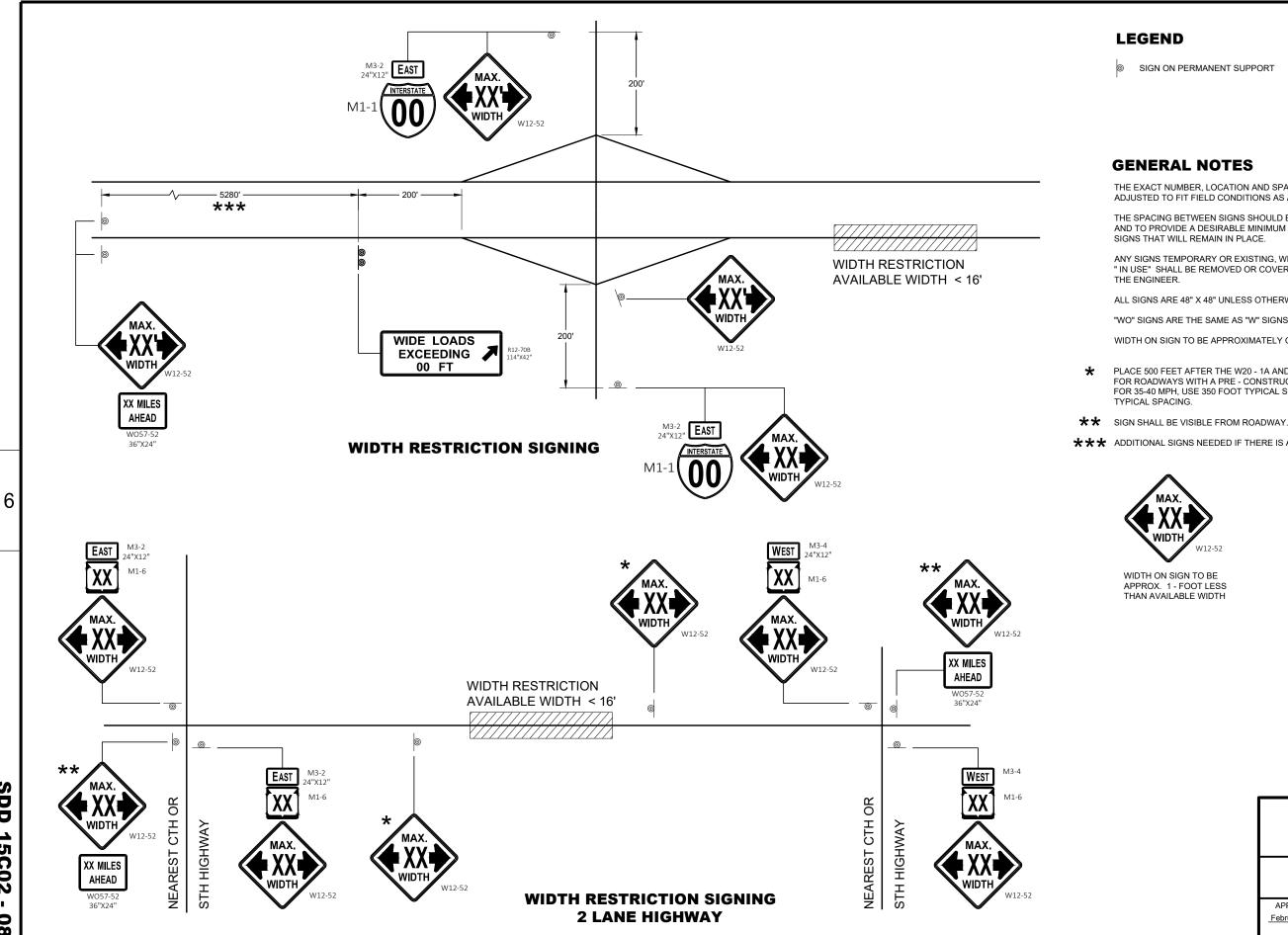
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CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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SIGN ON PERMANENT SUPPORT

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT

******* ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

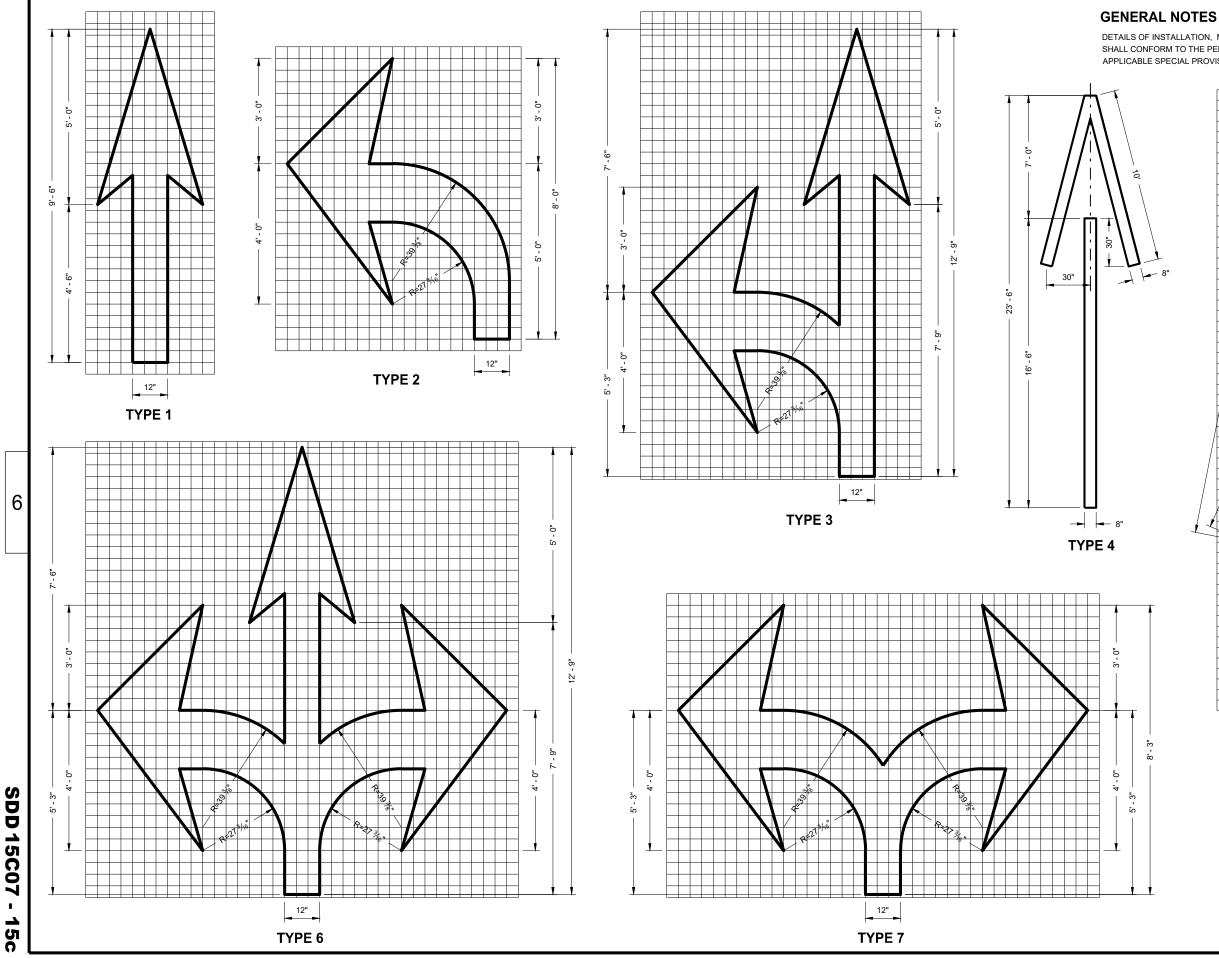
ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

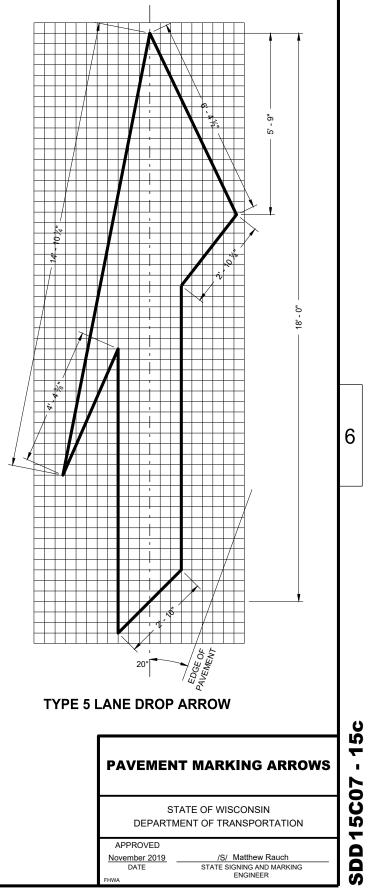
APPROVED February 2020 DATE

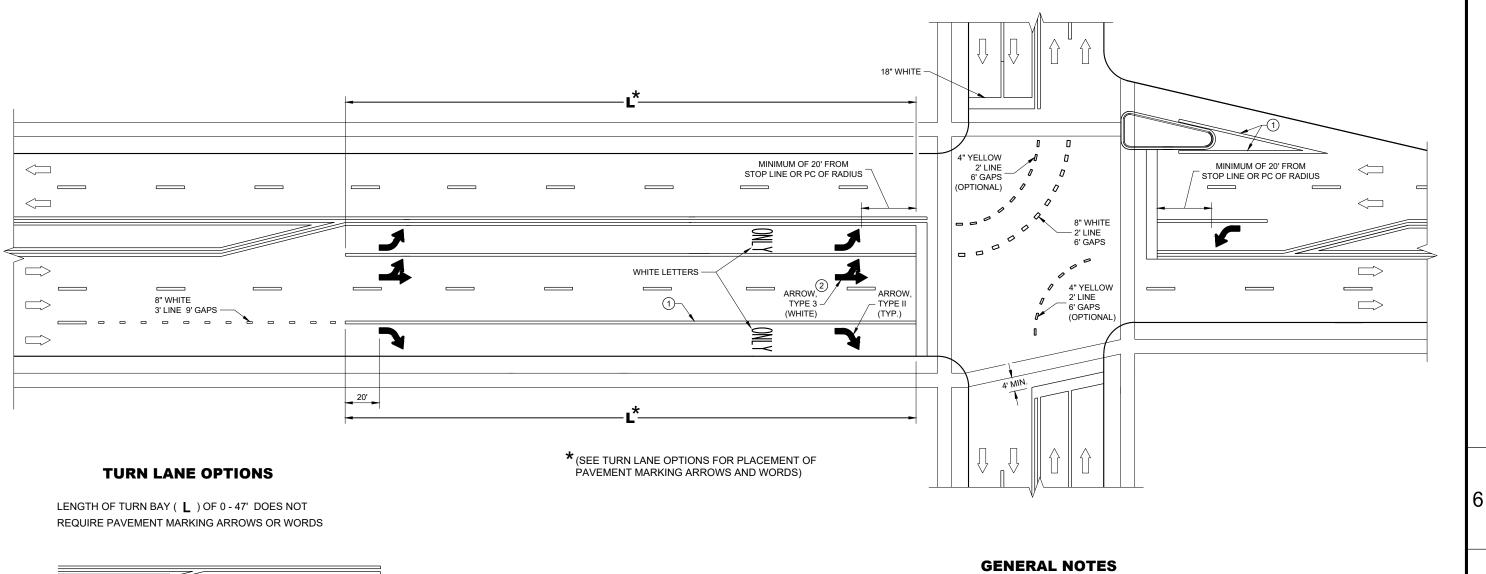
/S/ Andrew Heidtke WORK ZONE ENGINEER 80 . N ÖÜ S ~ ۵

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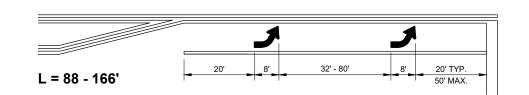
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.





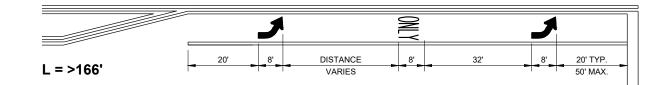
(1) 8" WHITE

- SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.
- DIRECTION OF TRAFFIC
 - = LENGTH OF TURN BAY



20

L = 48 - 87'



DISTANCE

VARIES



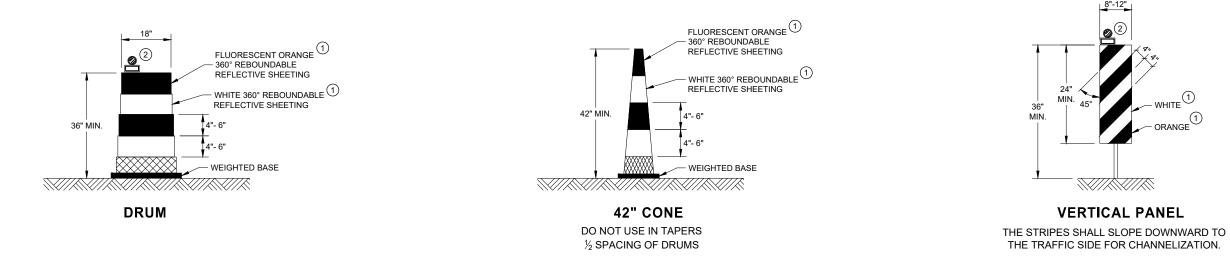
6

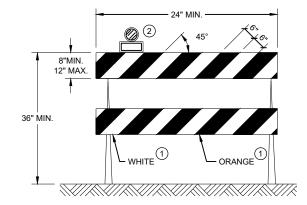
(2) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

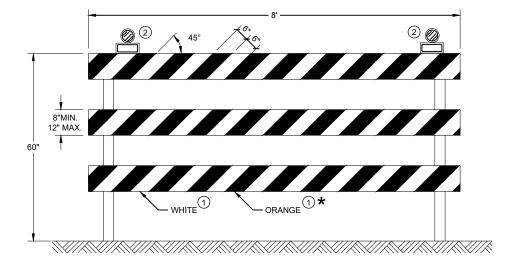
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





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.

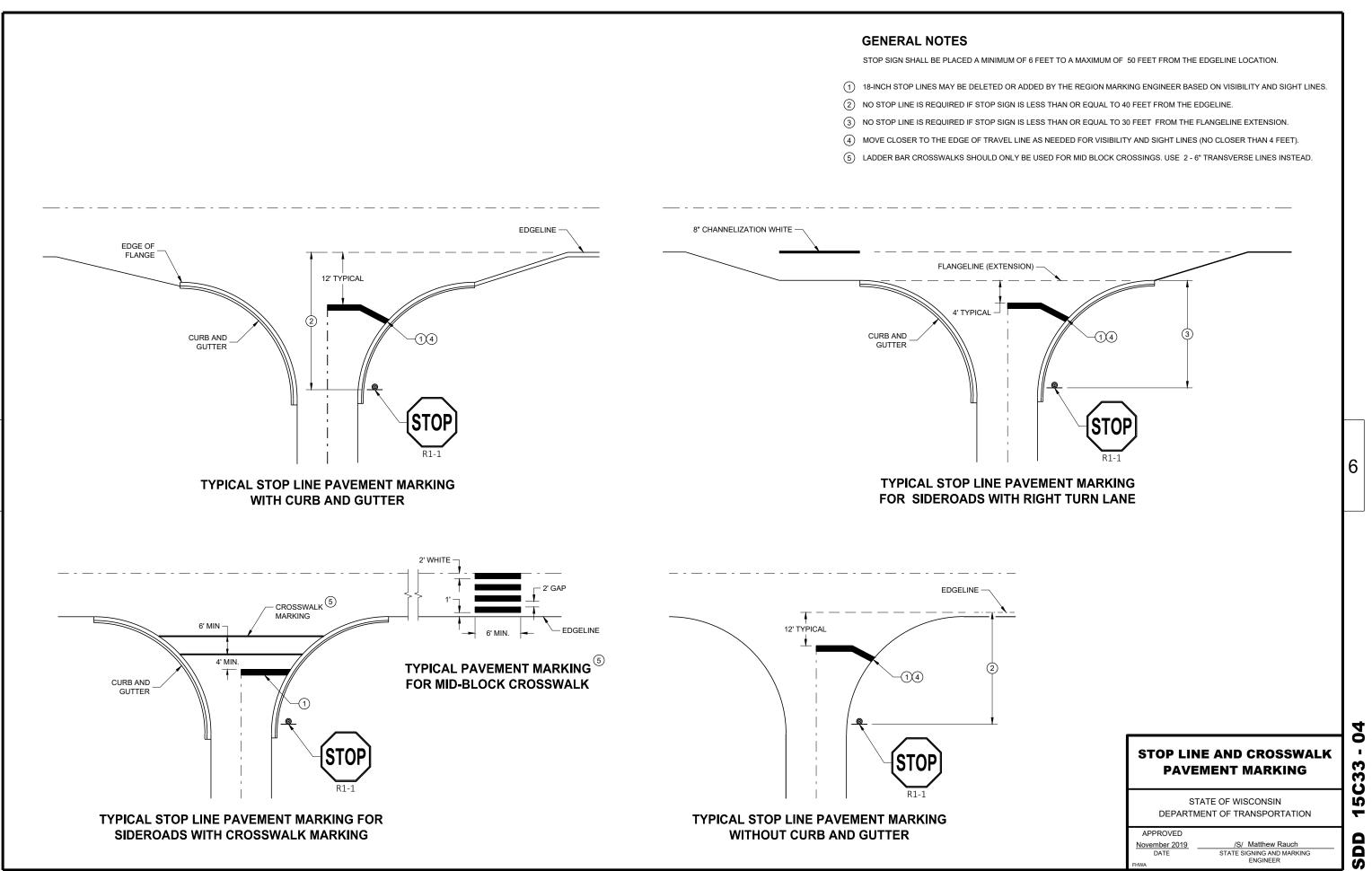
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CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

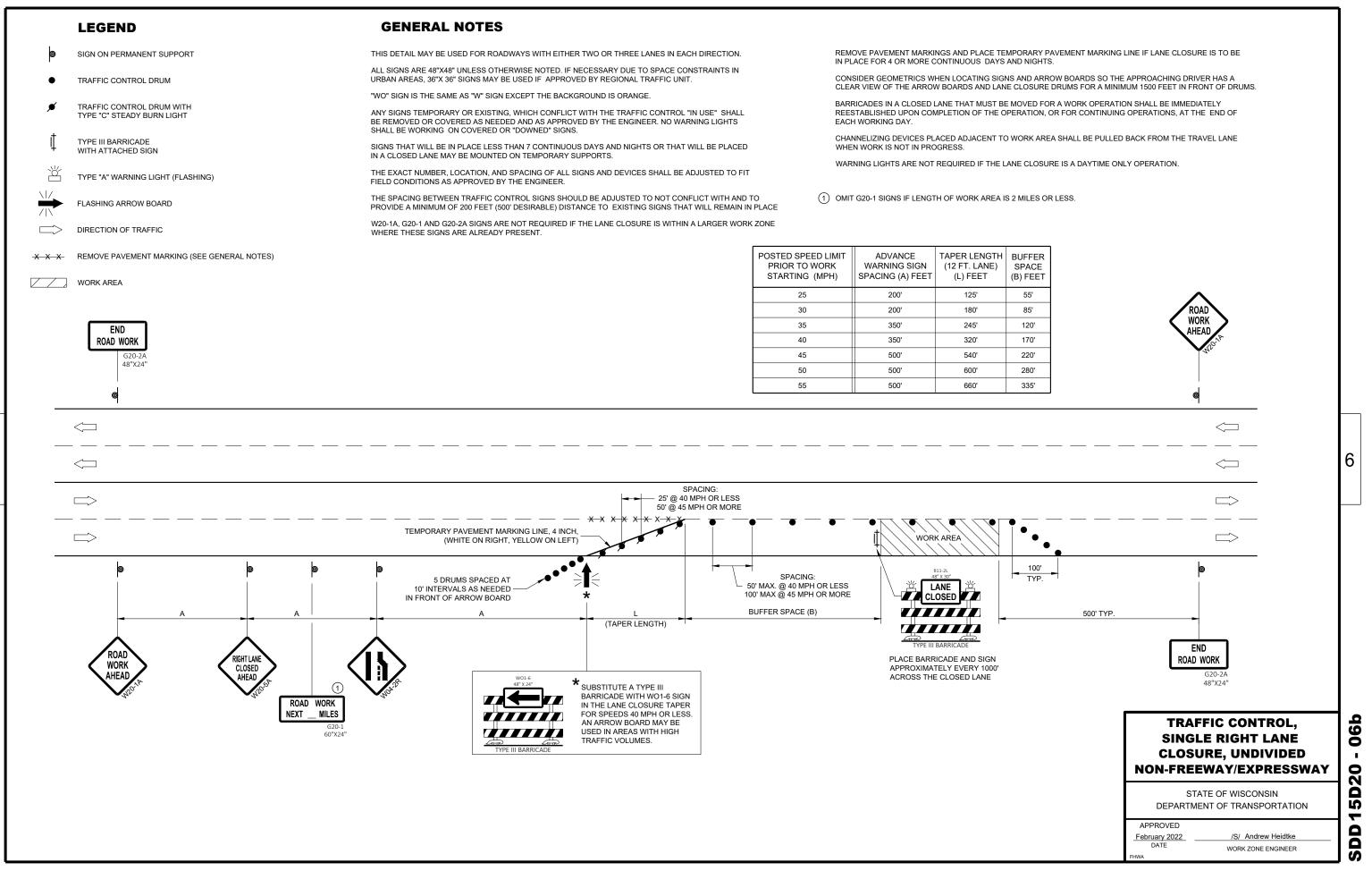
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

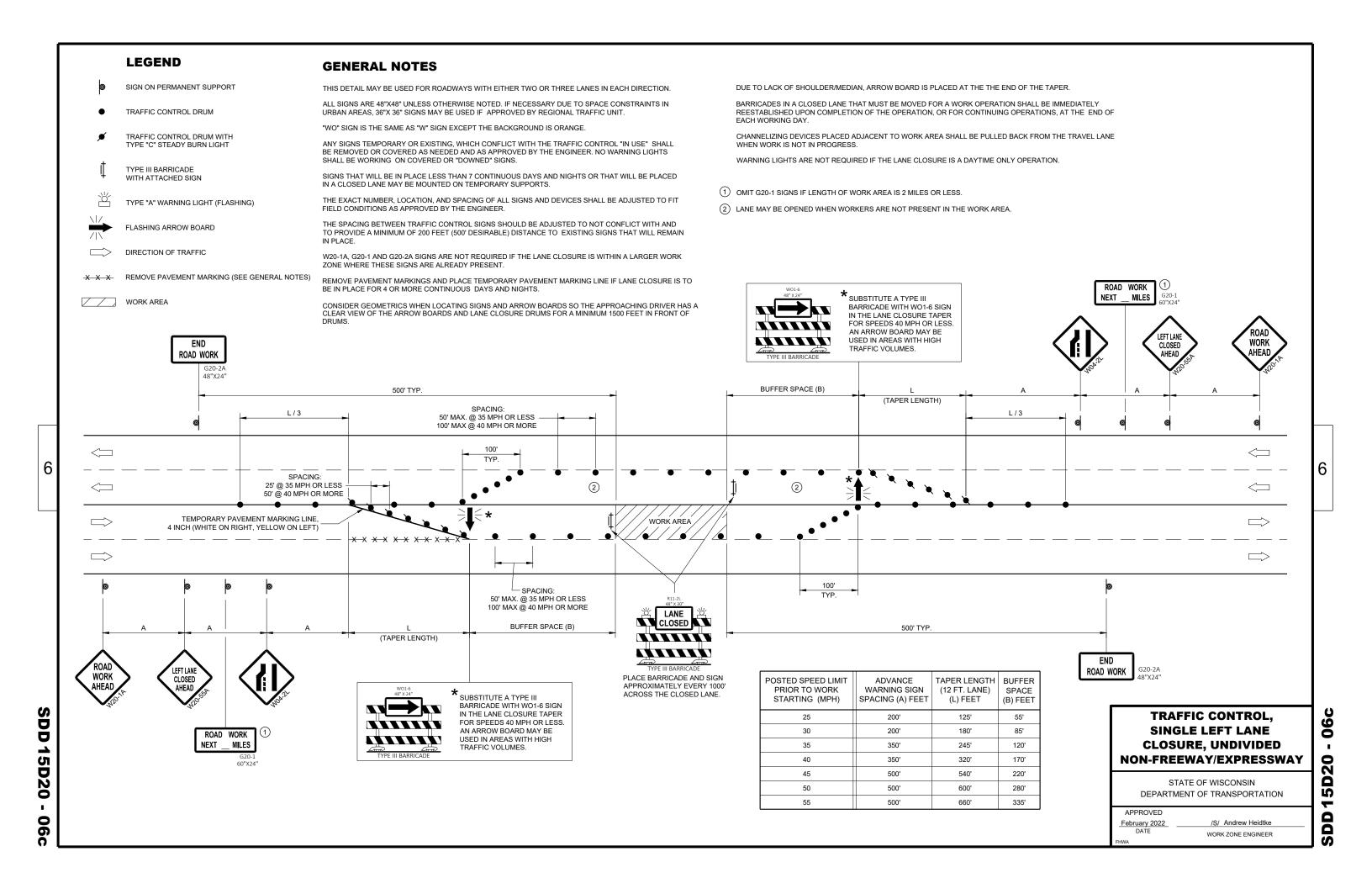
/S/ Andrew Heidtke WORK ZONE ENGINEER

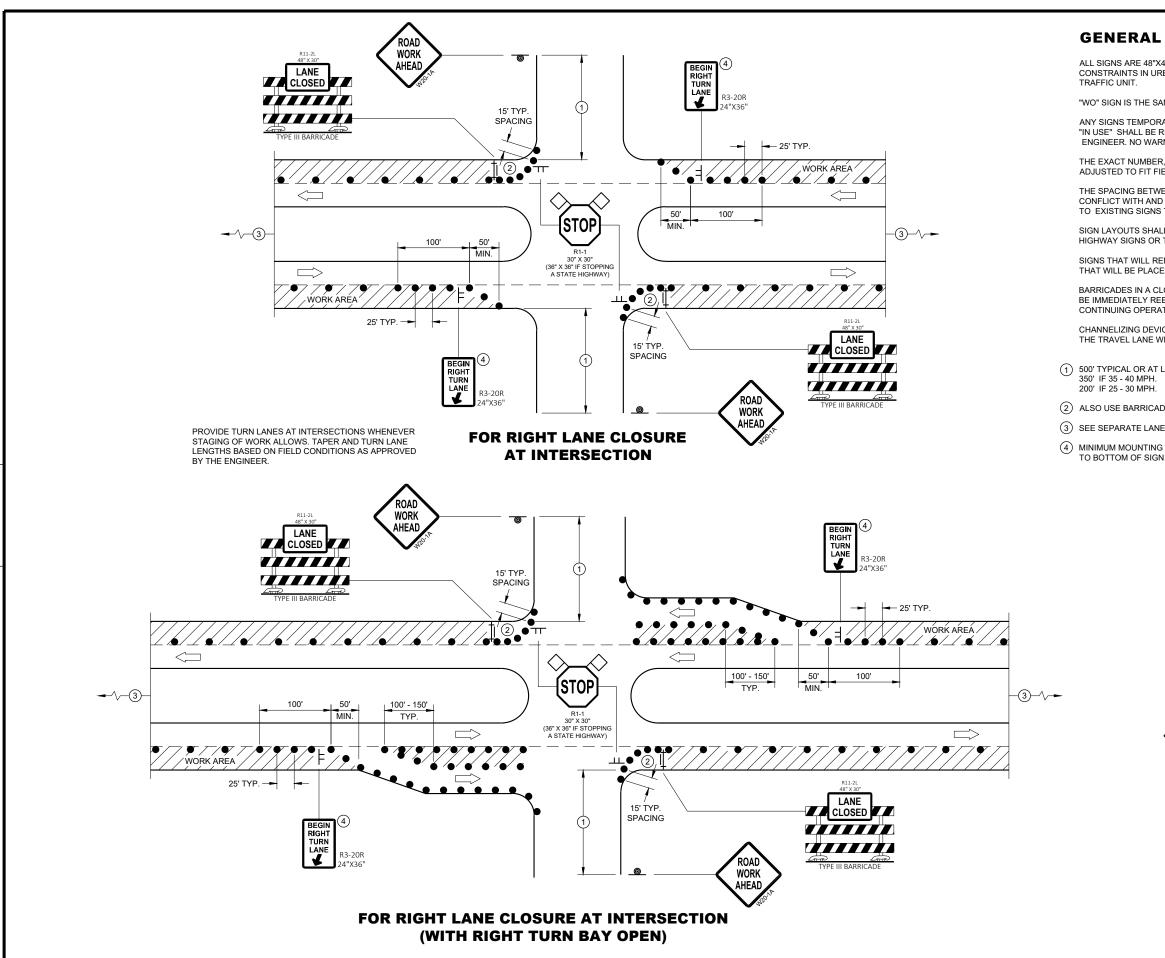


SDD 15C33 - 04



SDD 15D20 - 06b





6

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER, NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION)



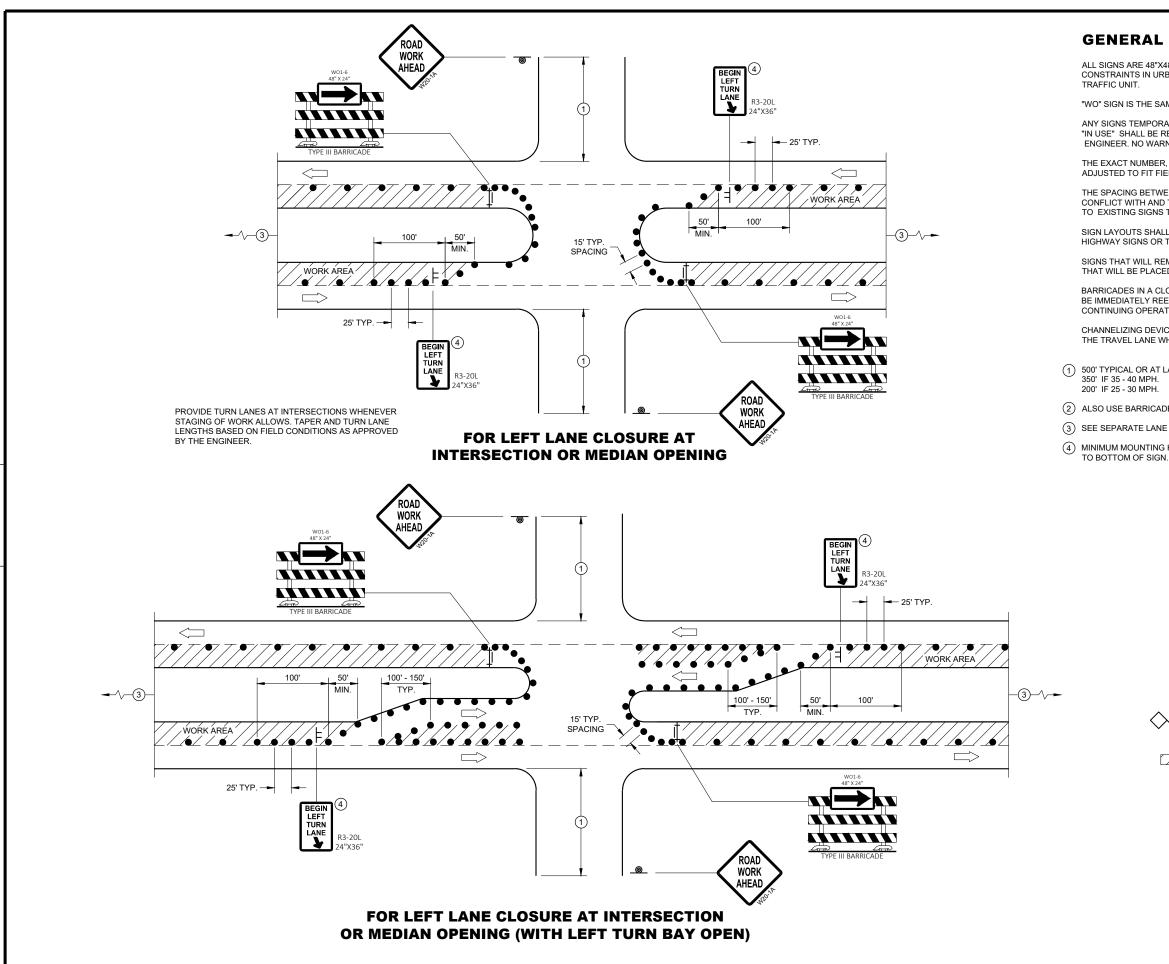
WORK AREA \Box

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TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE **RIGHT LANE CLOSURE**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 15D21 0 ס

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GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

1 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION)

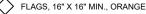


LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN



DIRECTION OF TRAFFIC





TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

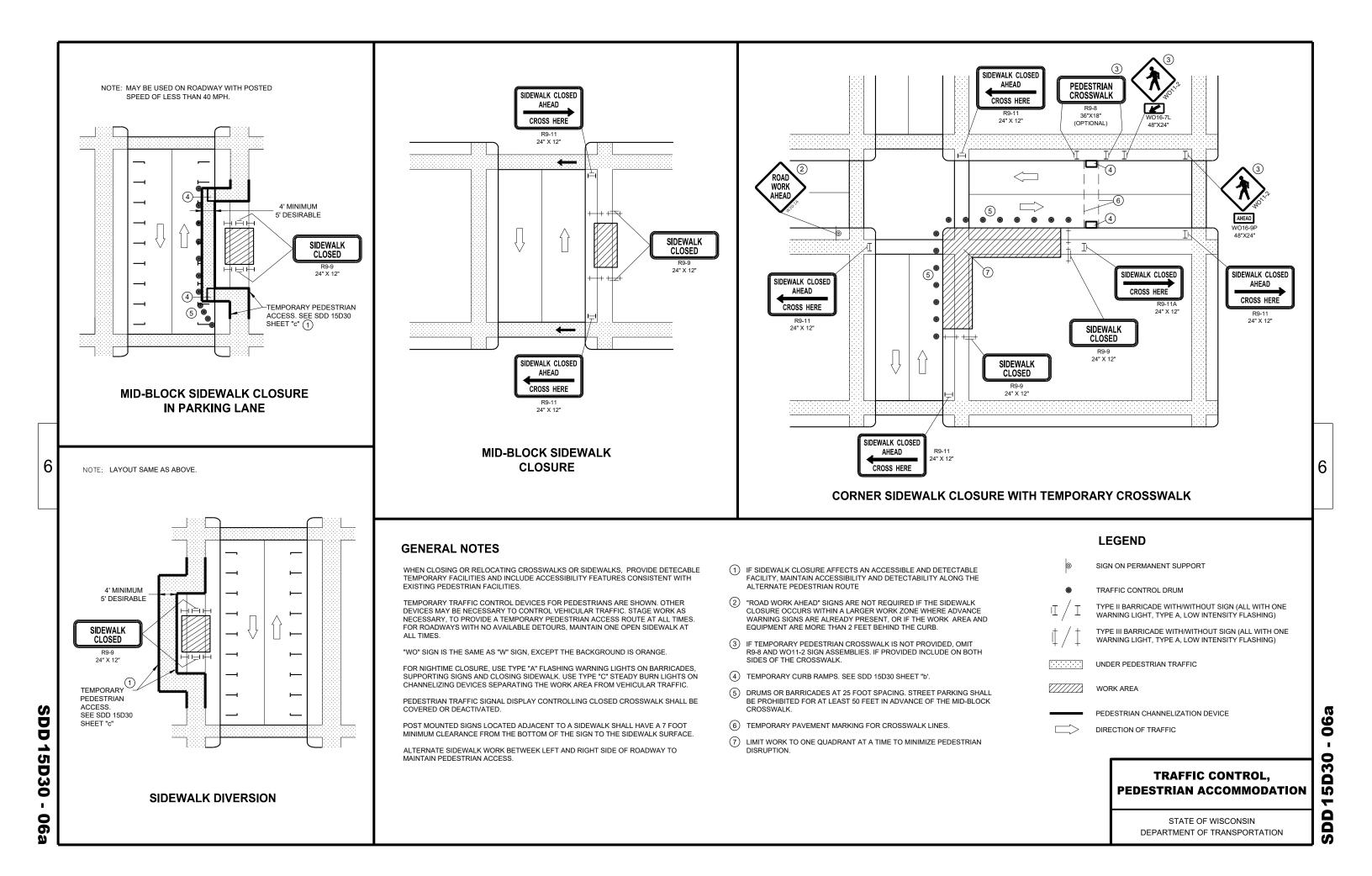
APPROVED August 2020 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

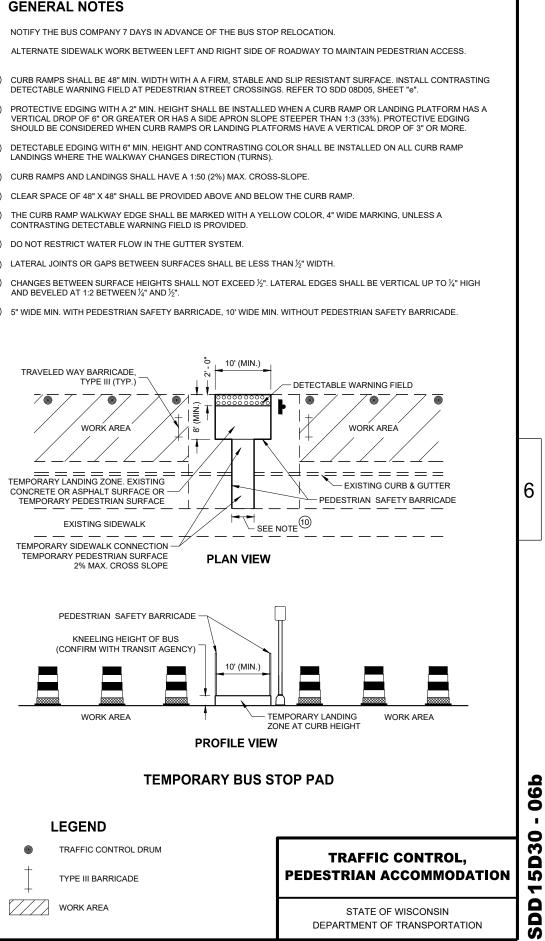
6

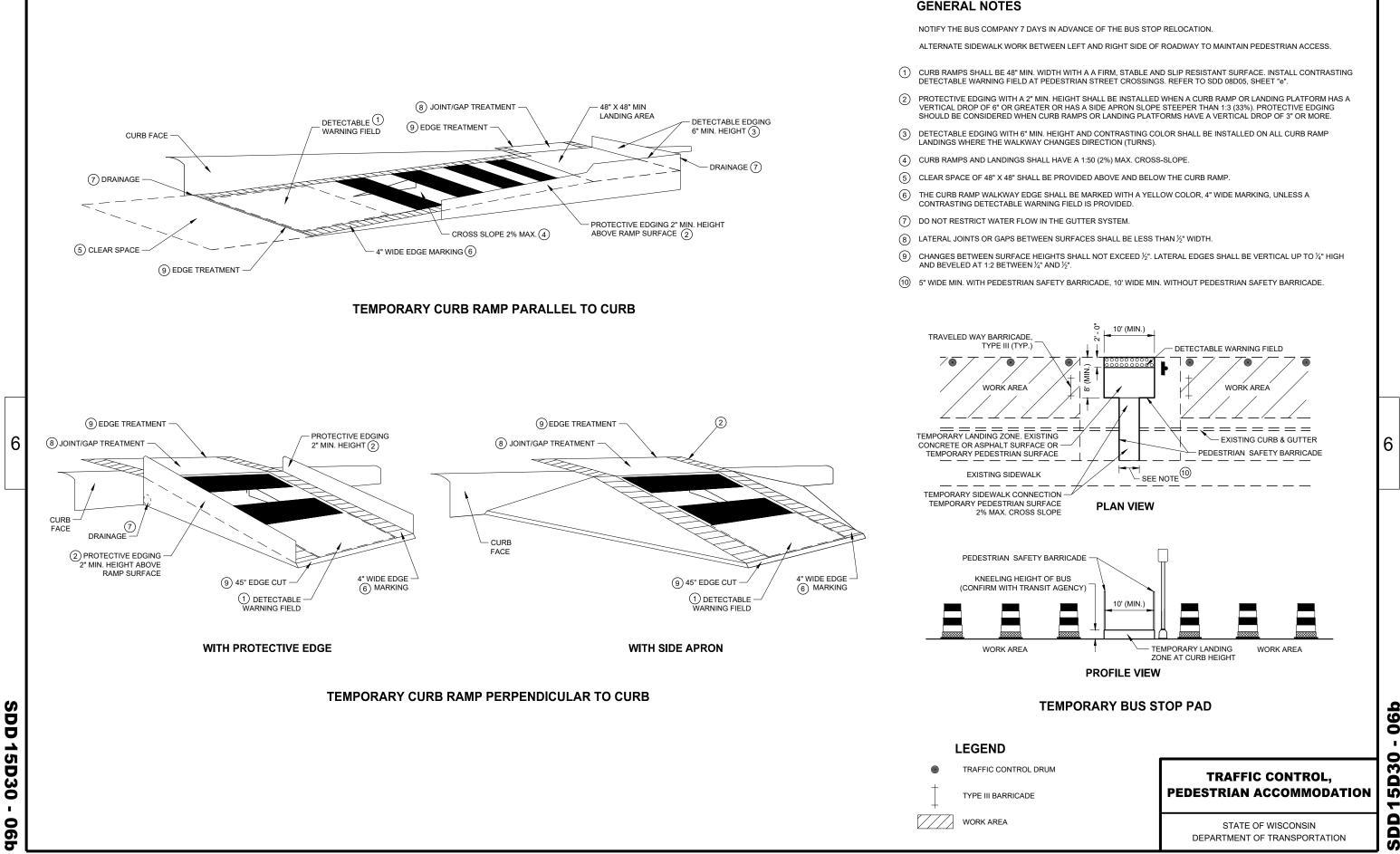
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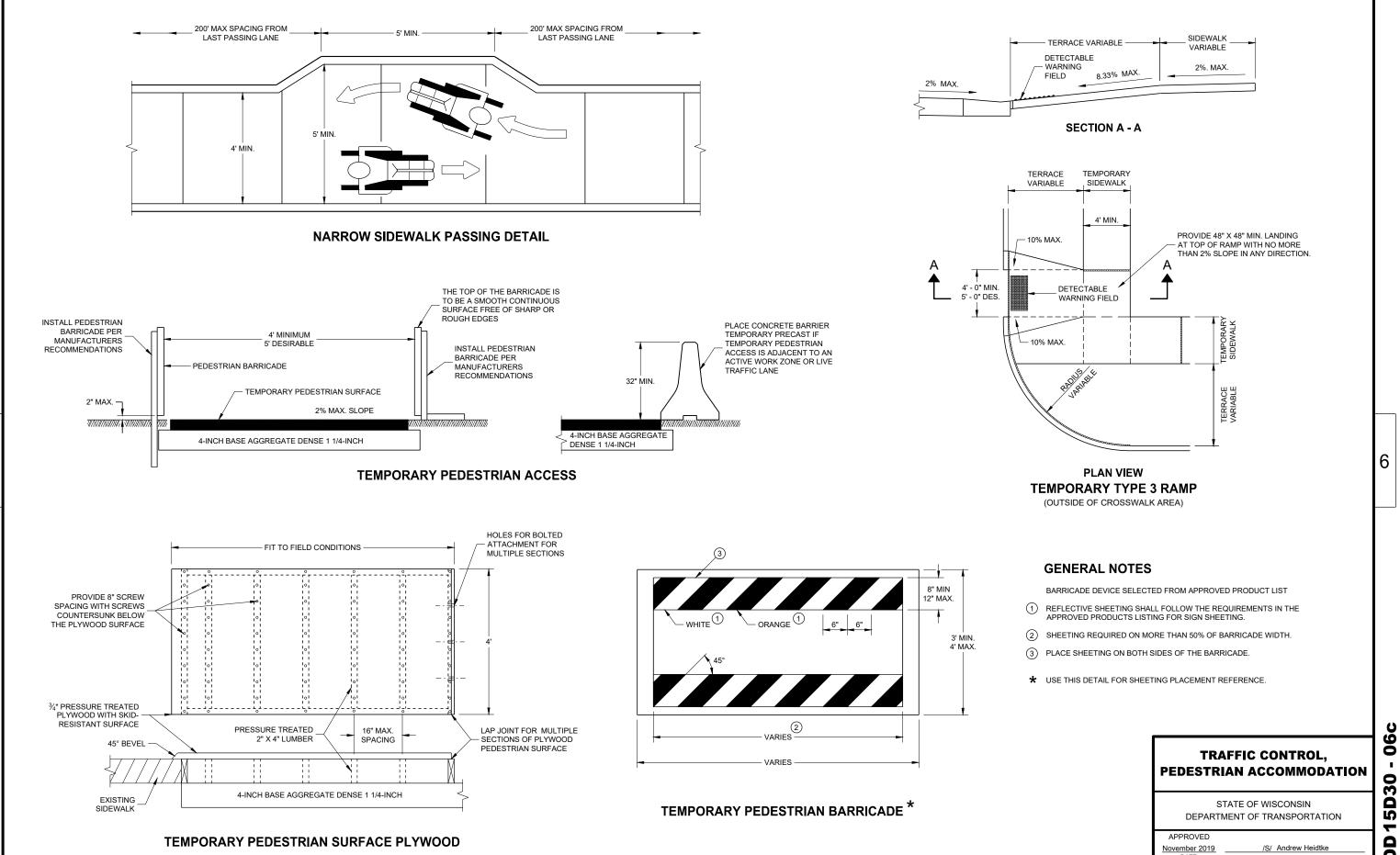
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SDD 15D30 06c

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November 2019 DATE

WORK ZONE ENGINEER

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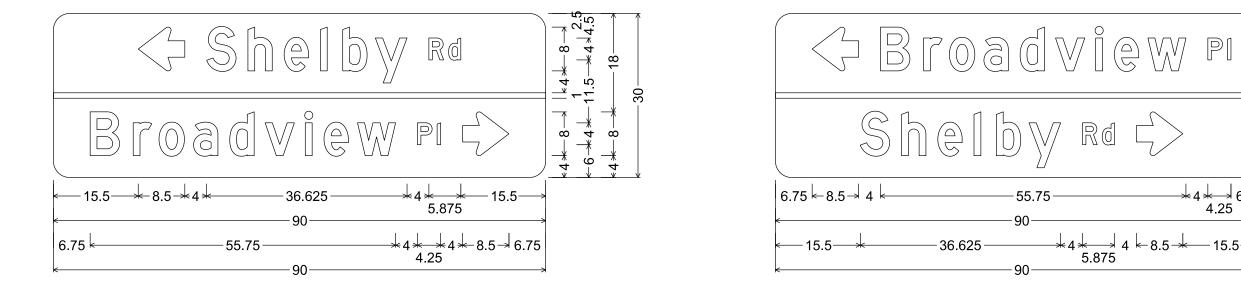
- 2. Color:

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55.75

90-

3. Message Series - D



M1-94H; 3.000" Radius, No border

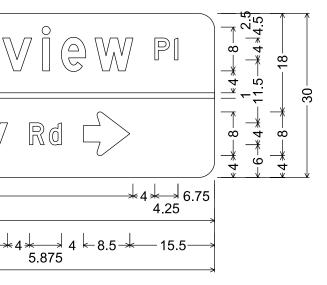
M1-94H; 3.000" Radius, No border

PROJECT NO: 1641-03-75	HWY:USH 14	COUNTY:LA CROSSE	PERMANENT SIGNING	
FILE NAME : C:\CAEfiles\Projects\tr_d5_5322a522.DGN		PLOT DATE : 5-MAY 2022 6:38	B PLOT BY : mscj9h	PLOT NAME :

NOTES

1. Signs are Type II - Type H Reflective

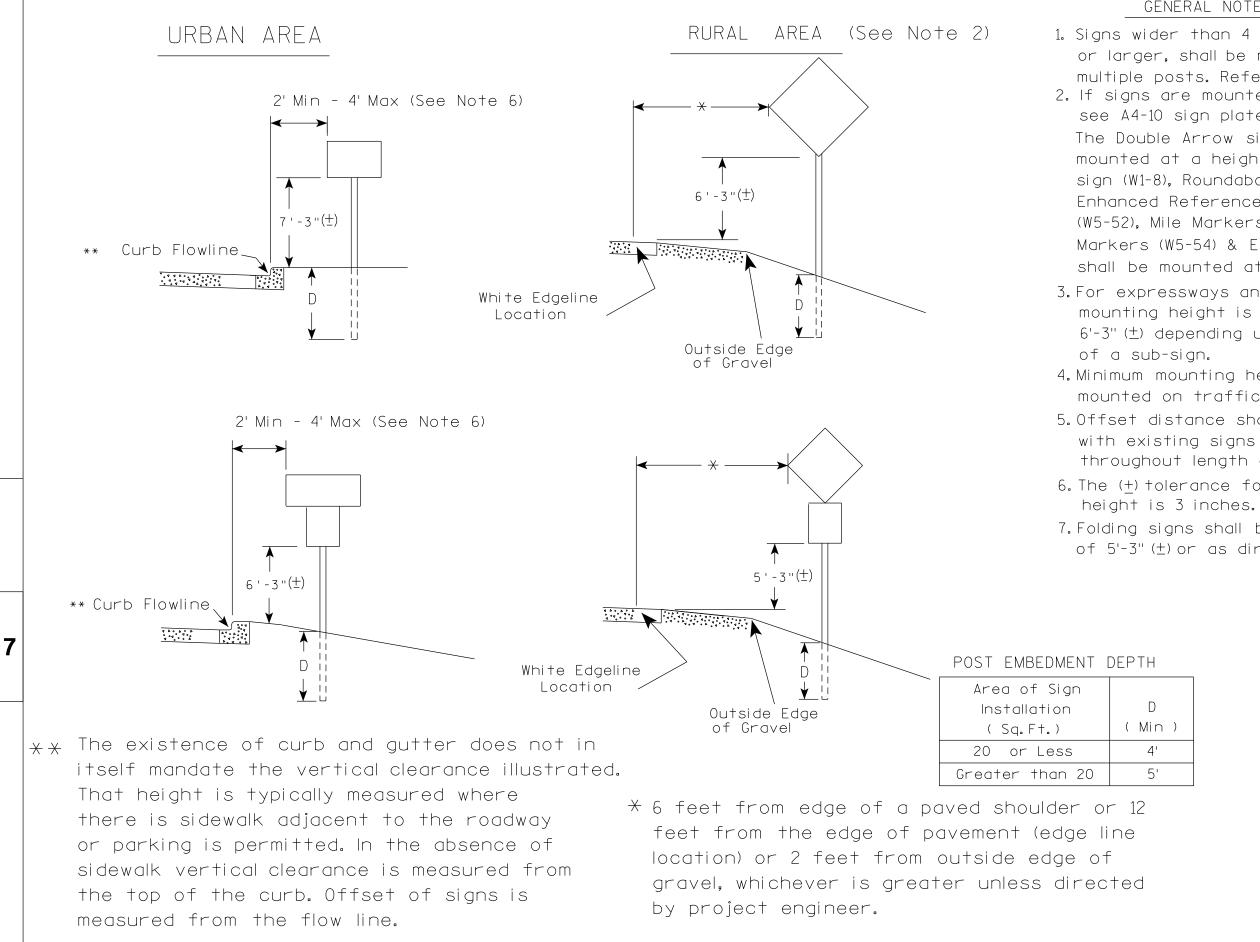
Background - Green Message - White



7

SHEET NO:

Ε

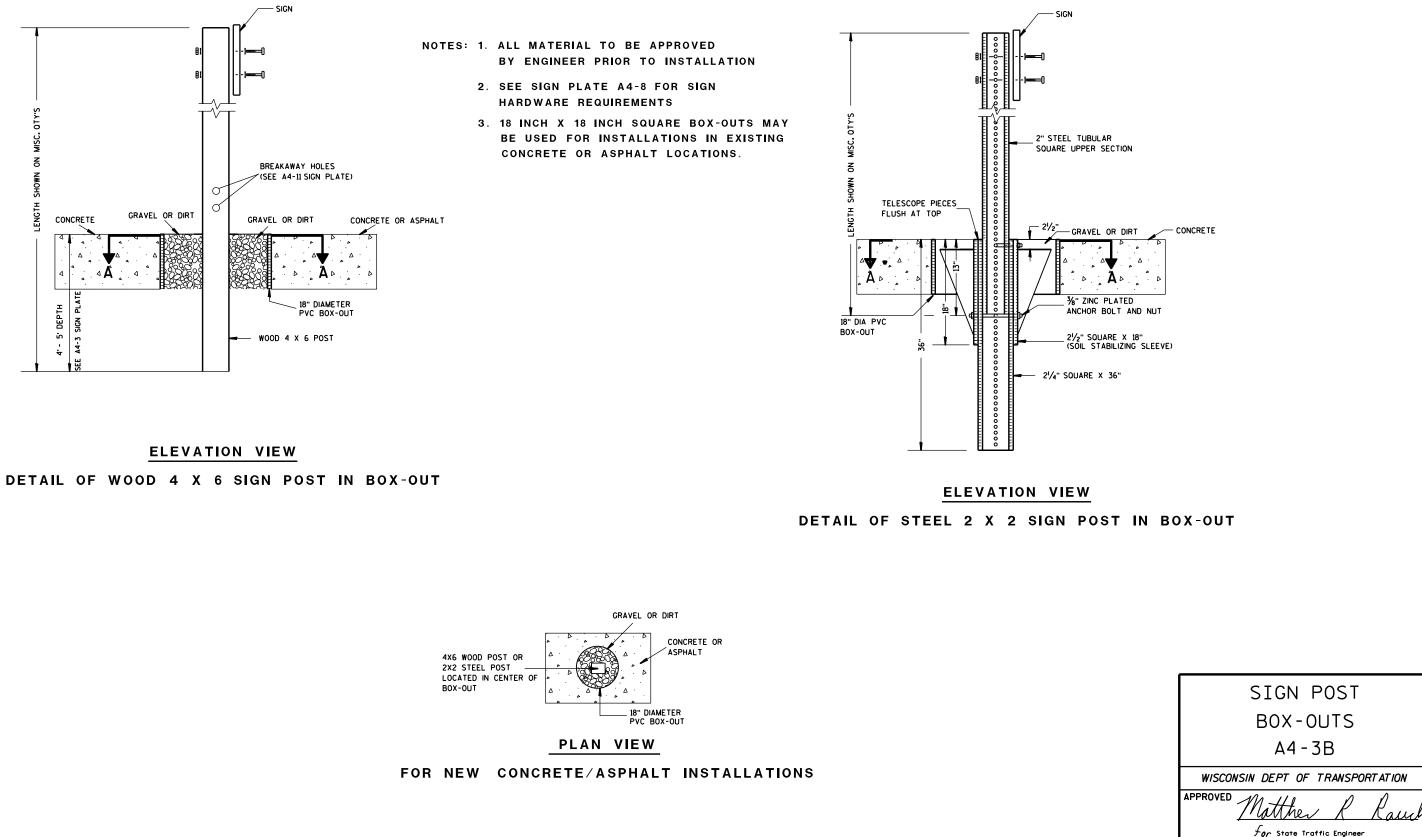


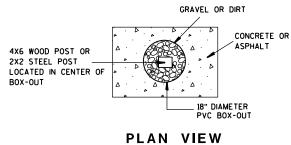
PROJECT NO:	HWY:	COUNTY:			
			DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -

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





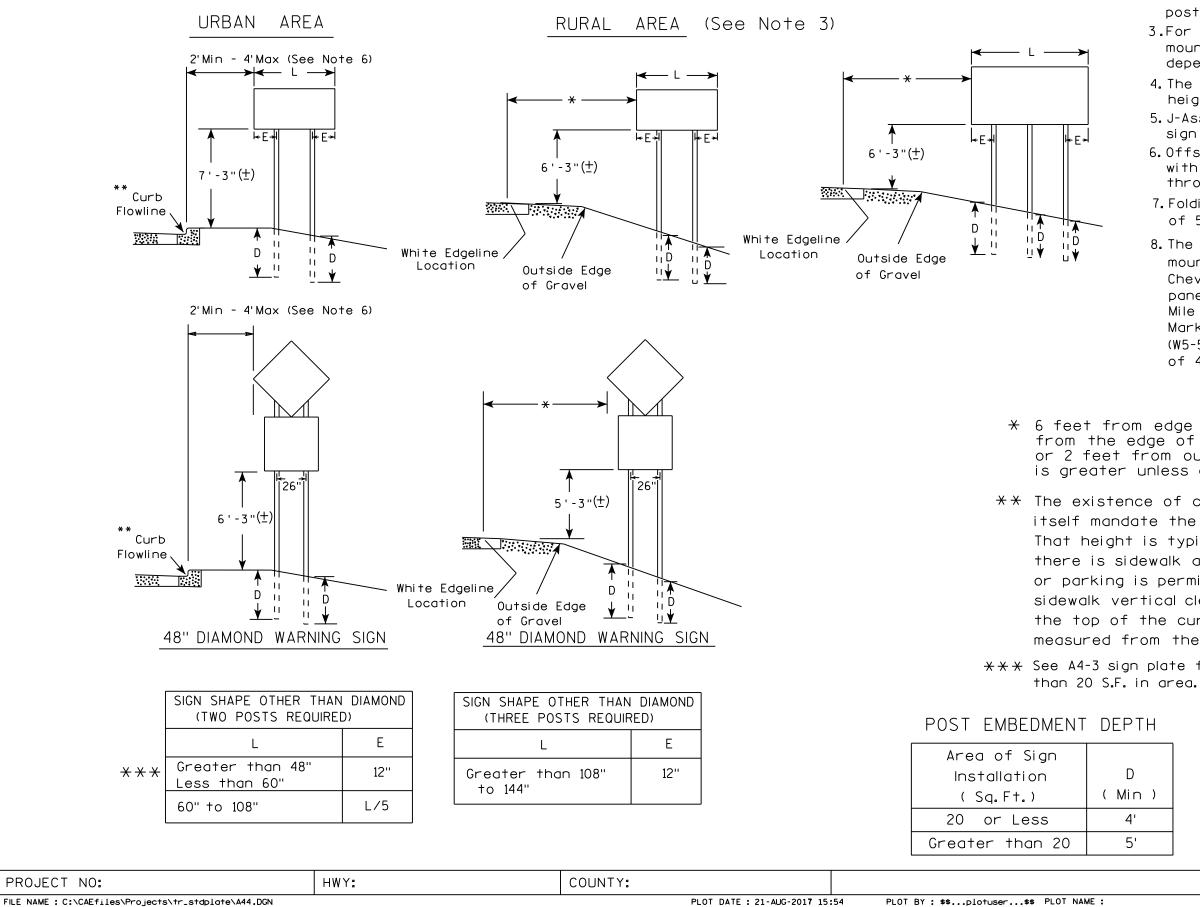
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

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.

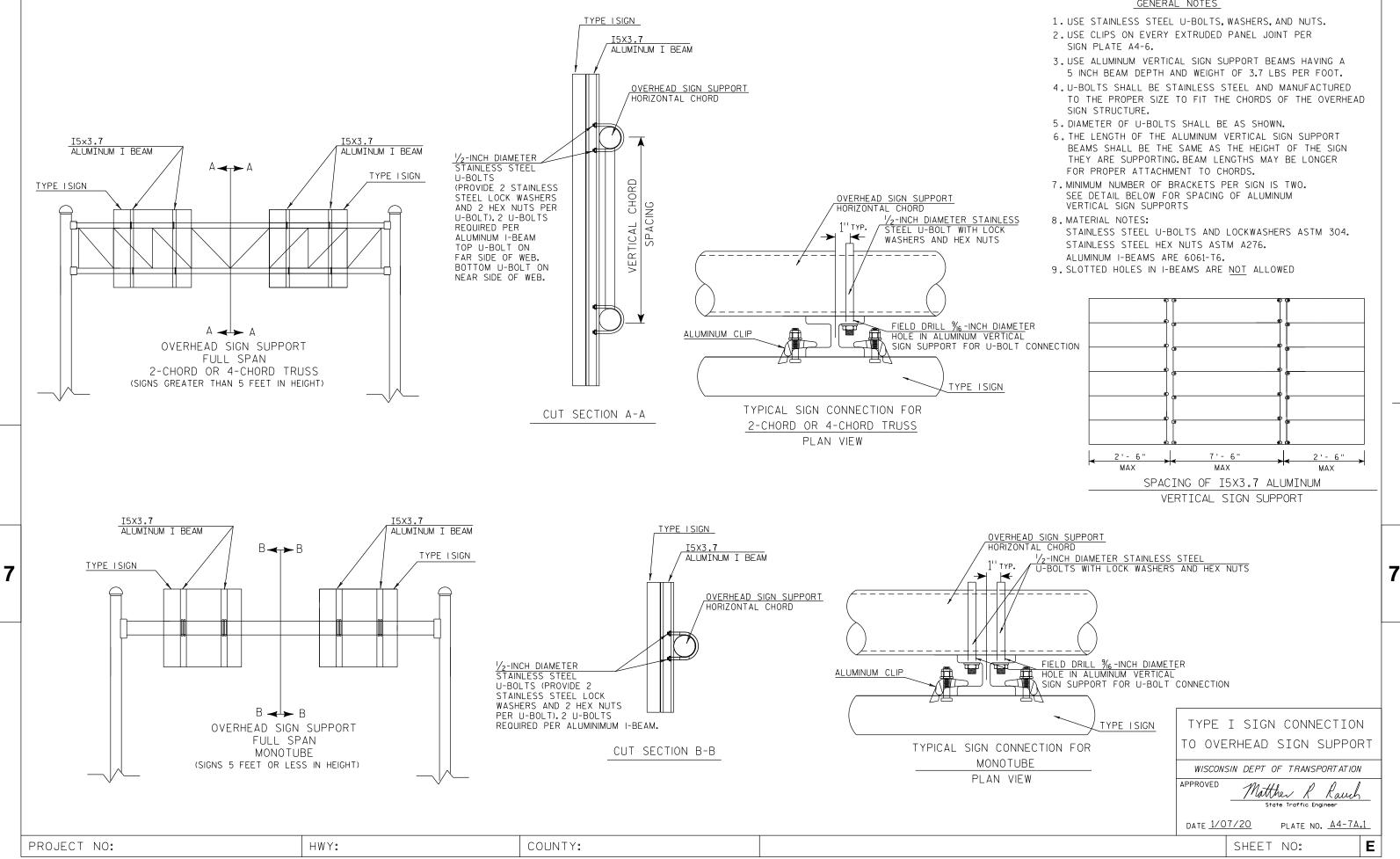
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs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

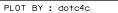
 \times \times See A4-3 sign plate for signs 4' or less in width and less

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

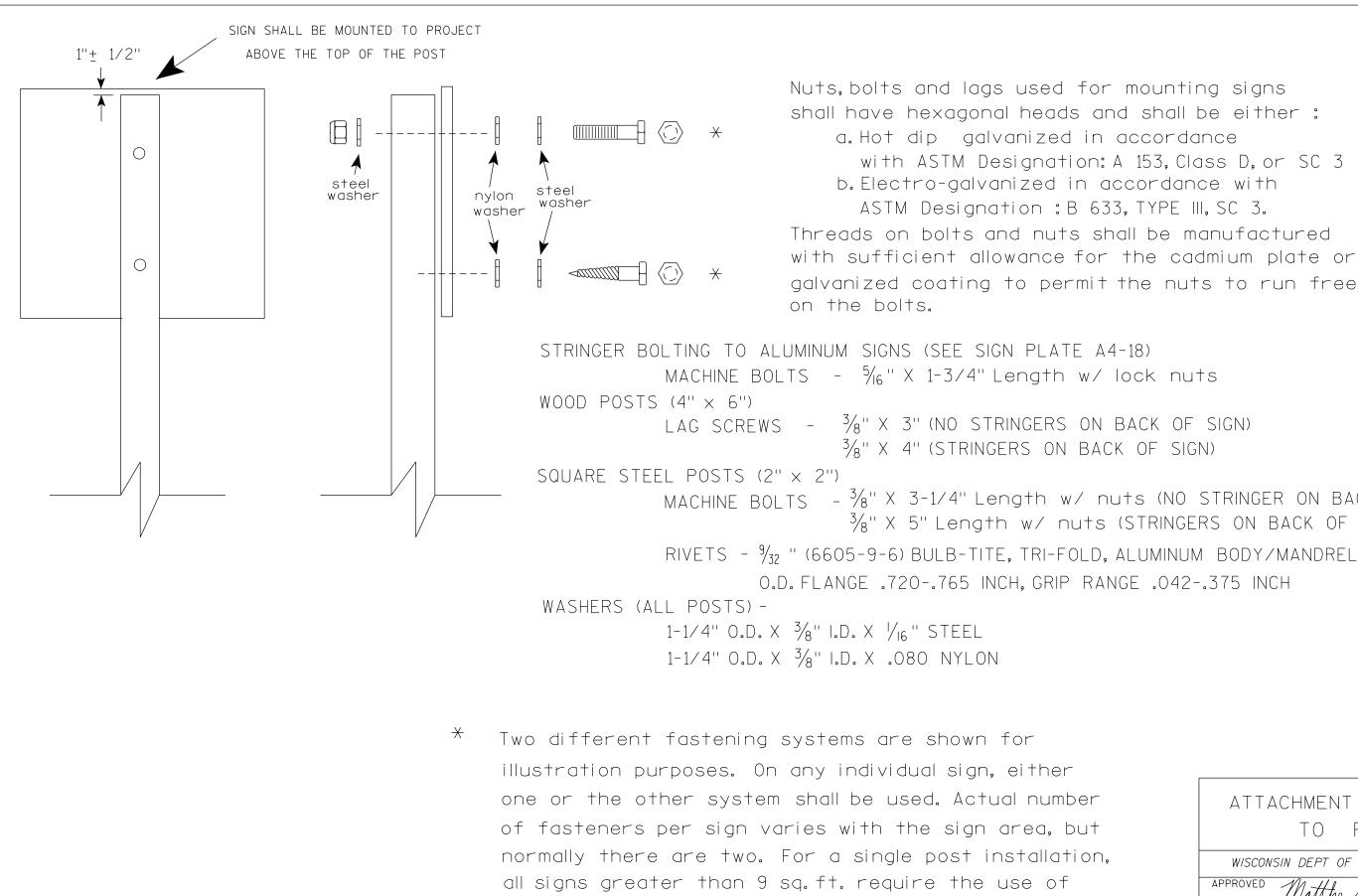




PLOT NAME :

GENERAL NOTES

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



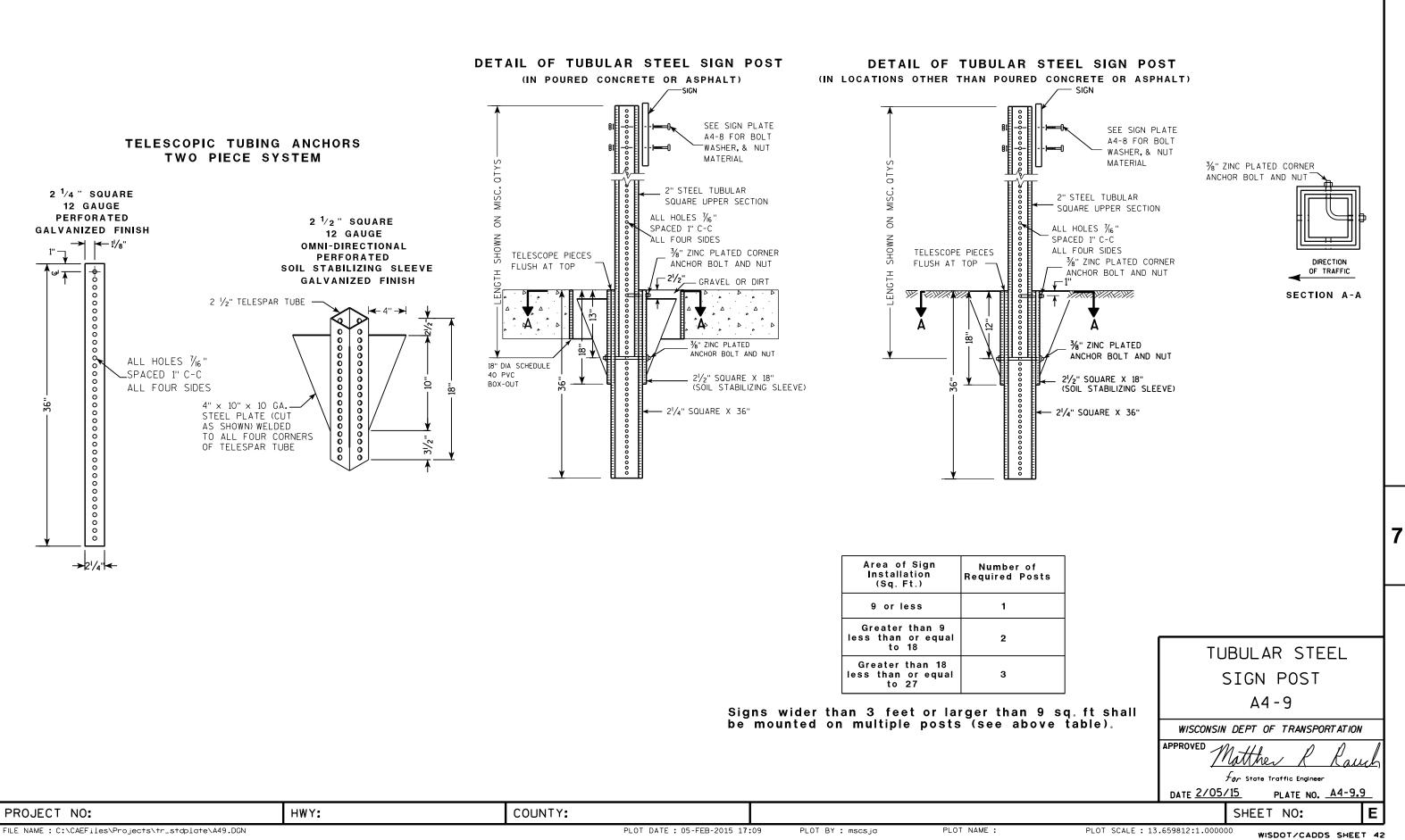
3 fasteners.

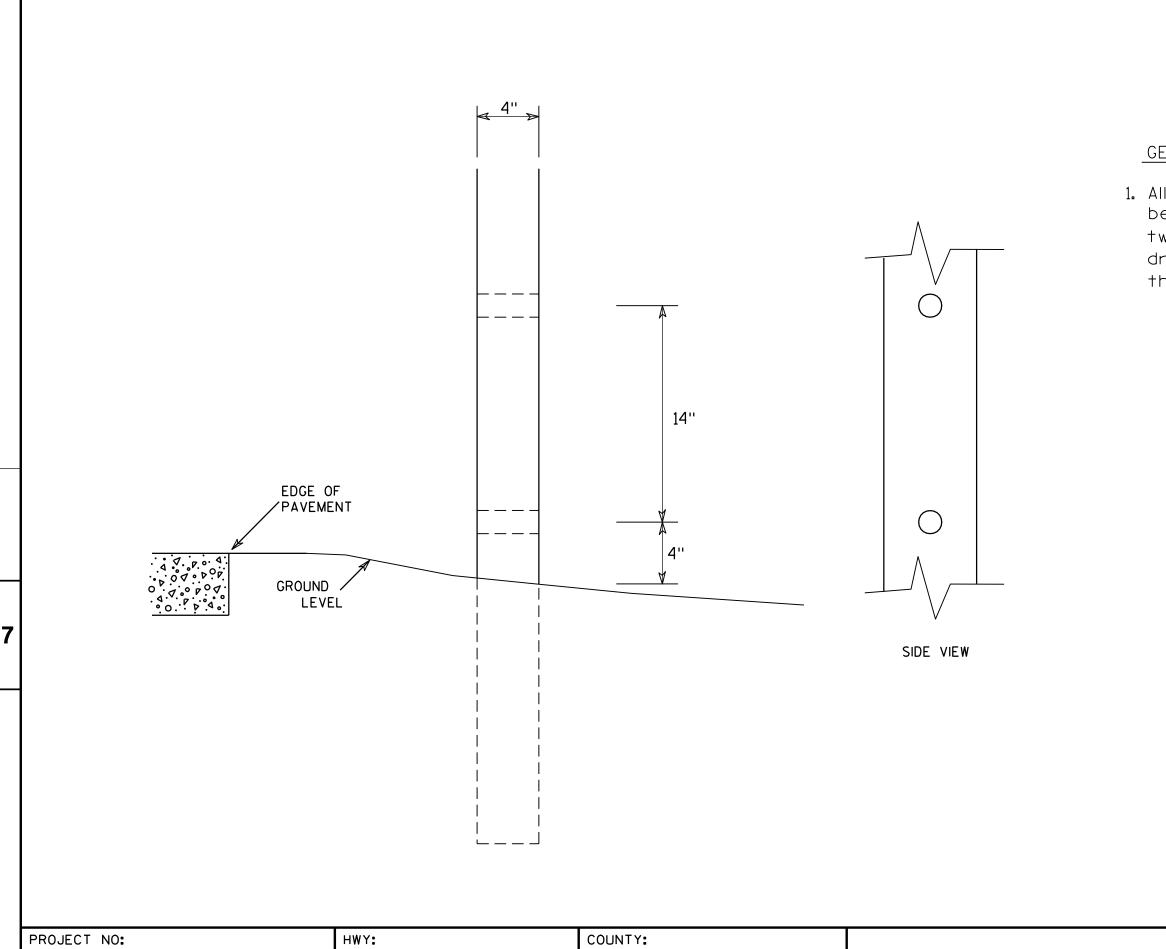
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured 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 - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

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



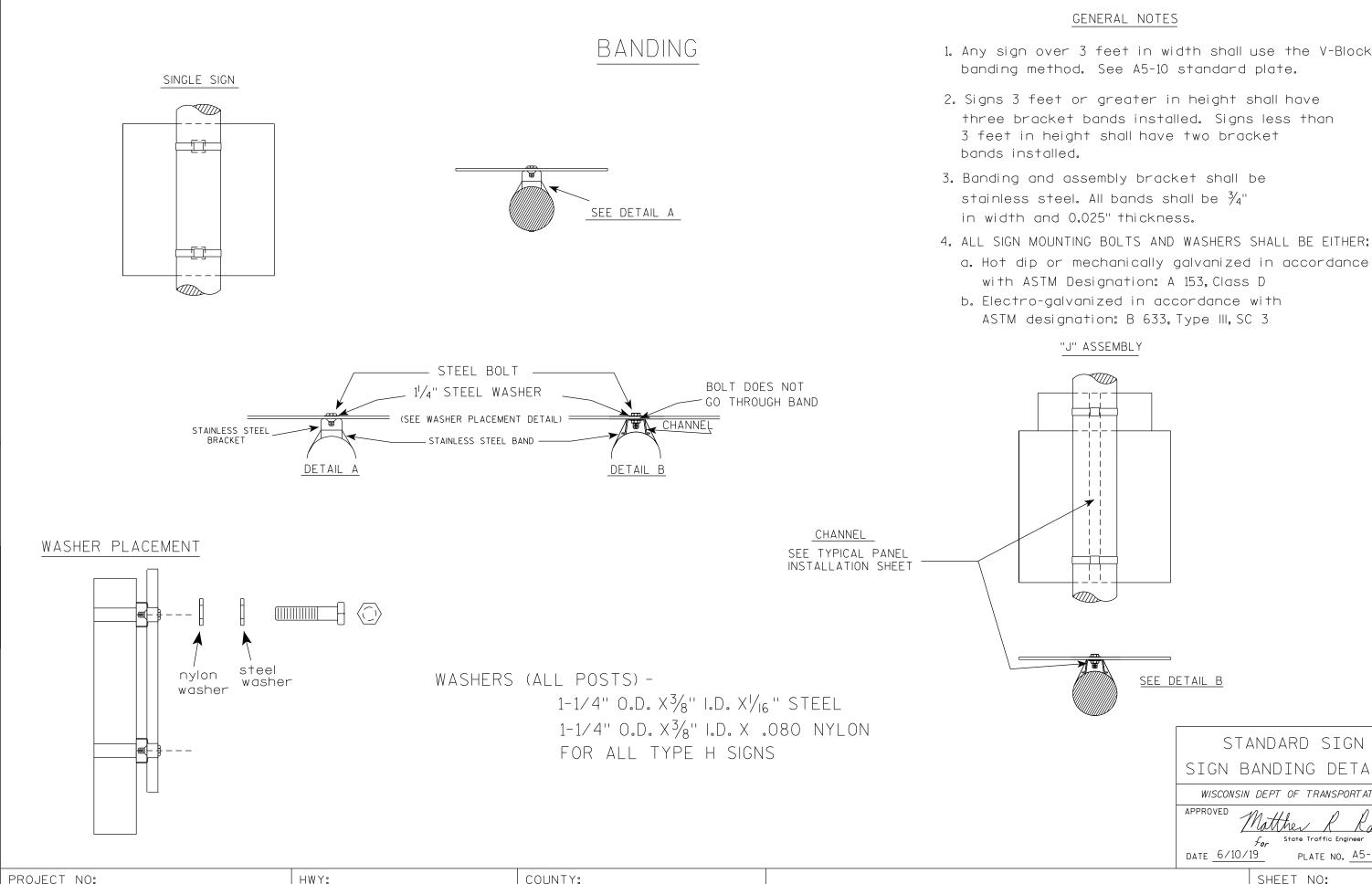


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

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	Хe	ô	WOO	DF	POST	
		MOD	IF	FICA	TI	SNC	
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			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 7 33	8:1.0000	000	WISD	от/с	ADDS SHEE	T 42



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

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

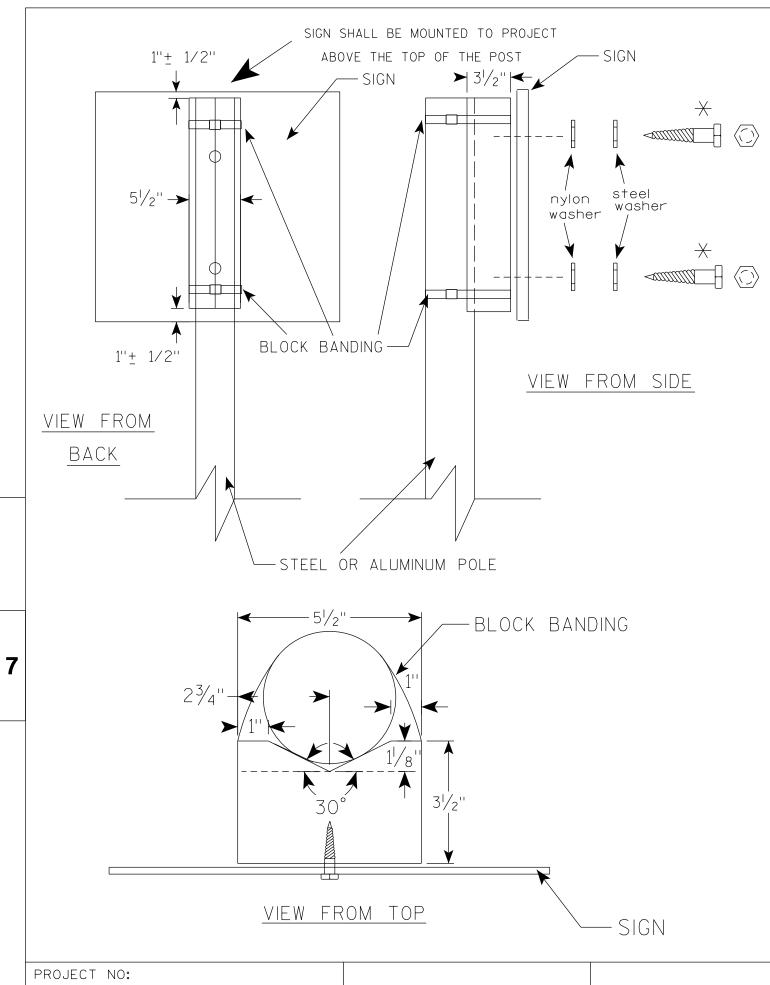
GENERAL NOTES

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.
- a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
- OR TYPE E EACE SIGN

 \times LAG BOLTS SHALL BE $\frac{3}{8}$ " X 2¹/₂"

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

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

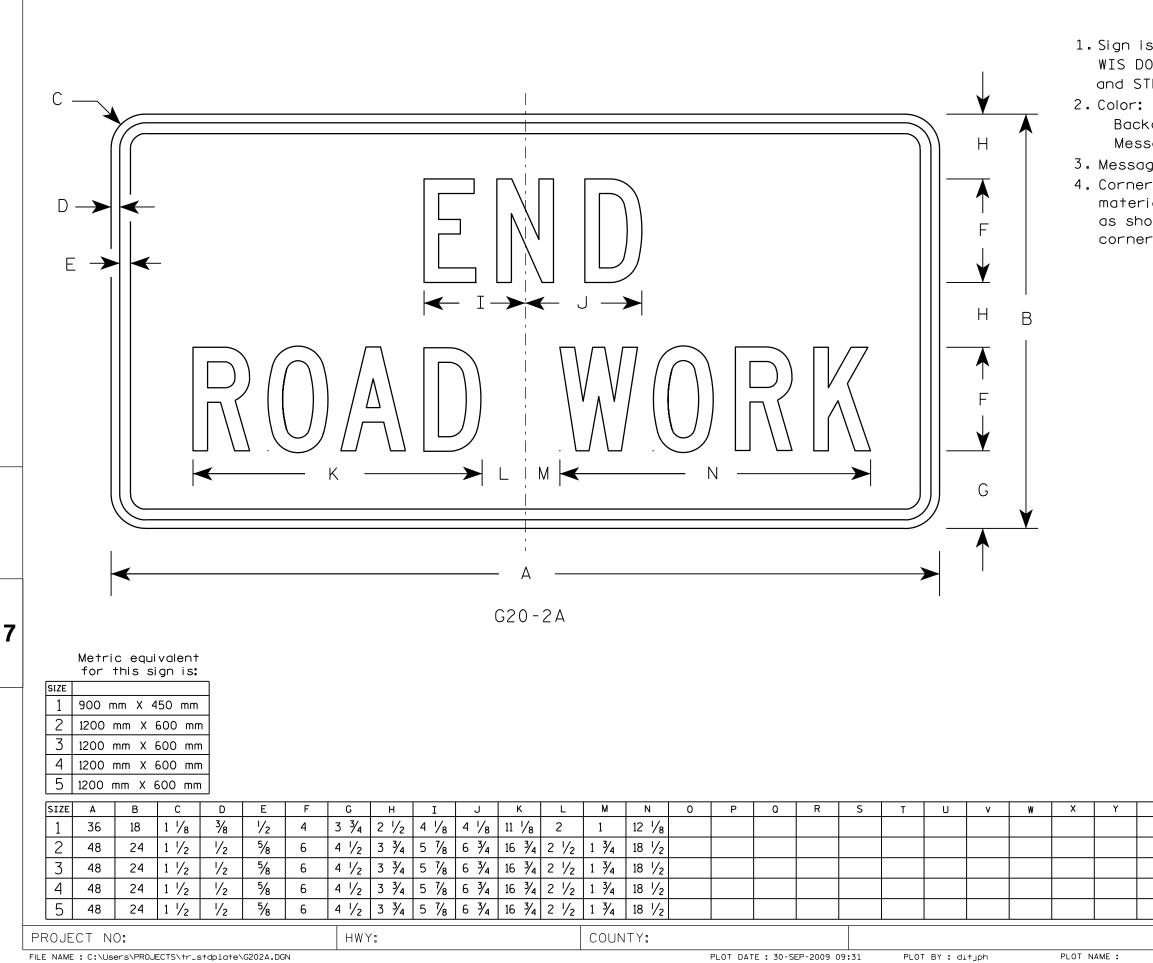
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH

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:

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
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WISDOT/CADDS SHEET 42

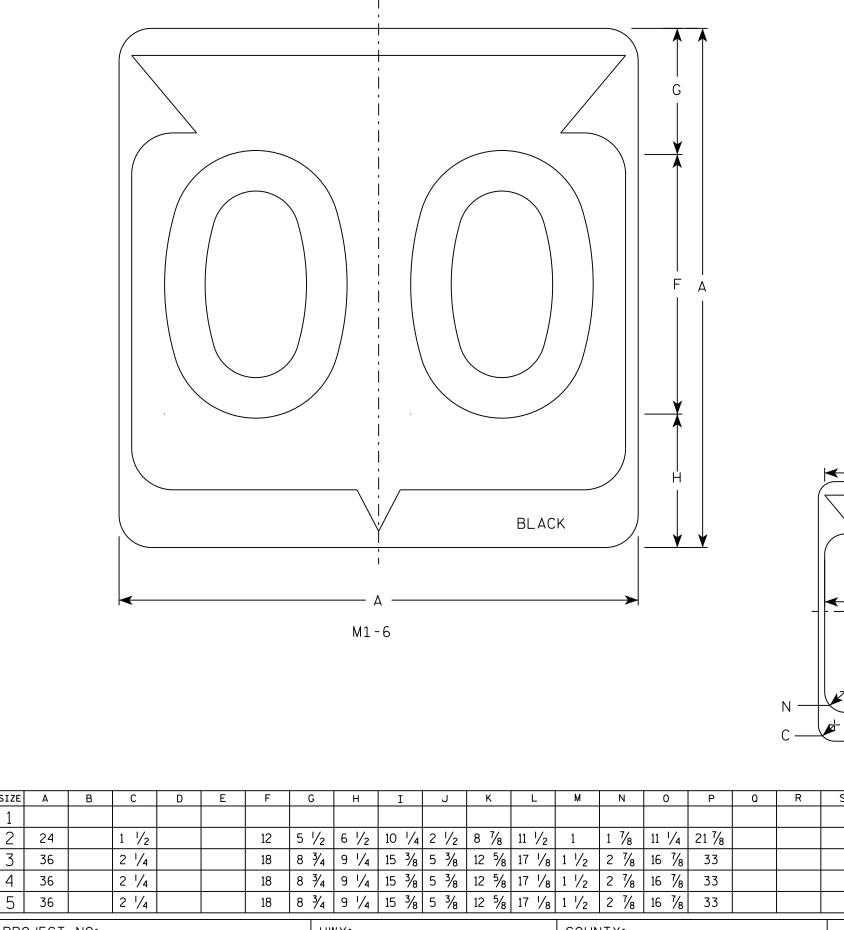


NOTES

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

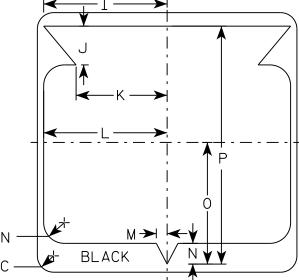
Background - Orange Message - Black 3. Message Series - C 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Z	Areo sq. ft.	Area		S	FANDA	RD SI(GN	
-	4 . 5	0.41			G2(0-2A		
	8.0	0.72		WISCON	SIN DEPT O	F TRANSPO	RTATION	
	8.0	0.72		APPROVED	M.#	er R	0 1	
	8.0	0.72			· · ·	te Traffic Engin		—
	8.0	0.72		DATE <u>9/3</u>		PLATE NO.		<u>.8</u>
					SHEET	NO:		Ε
	F	PLOT SCA	LE : 5.5617	73:1.000000) WISE	OT/CADDS	SHEET	42



NOTES

- 2. Color:
 - Background White Message – Black

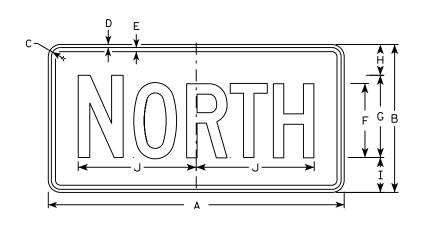


SIZE	А	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Р	۵	R	S	Т	U	v	W	Х	Y	_
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2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7⁄8										
3	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33										
4	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33										
5	36		2 1/4			18	8 3⁄4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7⁄8	16 7/8	33										
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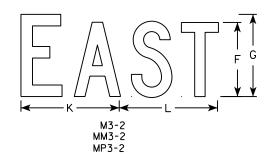
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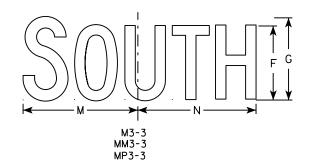
```
1. Sign is Type II - Type H Reflective
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base
  material is plywood but borders shall be rounded
  as shown. When base material is metal, the
  corners and borders shall be rounded.
```

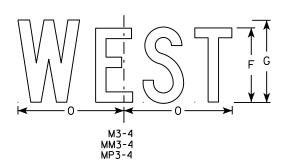
Z Area sq. ft.	-		ROUTE MA For Assem	
4.0		WISCONSIN	DEPT OF TRANSPO	RTATION
9.0		APPROVED	Matthew R	Paul
9.0			f_{or} State Traffic Engin	
9.0		DATE <u>3/16/</u>	18 PLATE NO.	<u>M1-6.10</u>
		•	SHEET NO:	E
PL	DT SCALE : 6	.655277:1.000000		S SHEET 42











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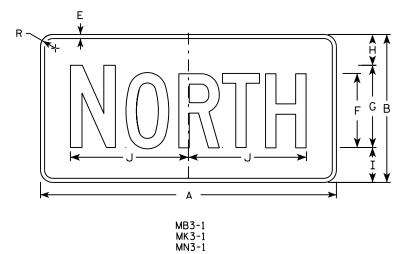
Е

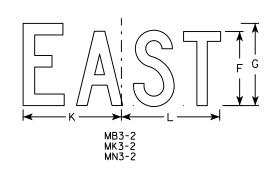
3⁄8

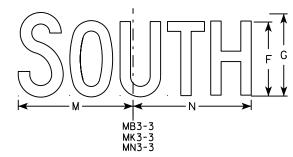
1/2

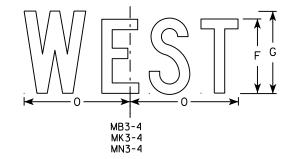
 $\frac{1}{2}$

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- All Signs Type I
 Color:
 - Background -Message - Se
- 3. Message Series
- 4. Corners may be material is plyw as shown. When corners and bo
- 5. M3-1 thru M3-4

MB3-1 thru MB3.

- MK3-1 thru MK3-
- MM3-1 thru MM3-
- MN3-1 thru MN3-
- MP3-1 thru MP3
- 6. Note the first than the remai

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PROJECT NO:

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PLAT DATE . AL-DEC-2015 17.54 PLAT RY . \$\$ Diatuser \$\$ PLAT NAME :

U

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<u>TES</u> II - Type H
See note 5 See note 5 s - C e square or rounded when base wood but borders shall be rounded n base material is metal, the orders shall be rounded.
Background - White Message - Black -4 Background - Blue Message - White
-4 Background - Green
Message - White -4 Background - White
Message - Green -4 Background - Brown
Message - White -4 Background - White
Message – Blue t letter of each direction is larger inder of the message.

		STANDARD SIGNS
Z	Area sq. ft.	M3-1thur M3-4
		SERIES
	2.00	WISCONSIN DEPT OF TRANSPORTATION
	4.5	APPROVED Matthew P Paul
	4.5	for State Traffic Engineer
	4.5	DATE 10/15/15 PLATE NO. M3-1.14
		SHEET NO:

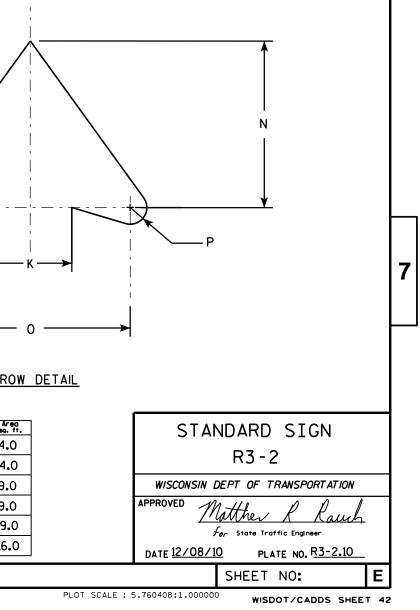
-

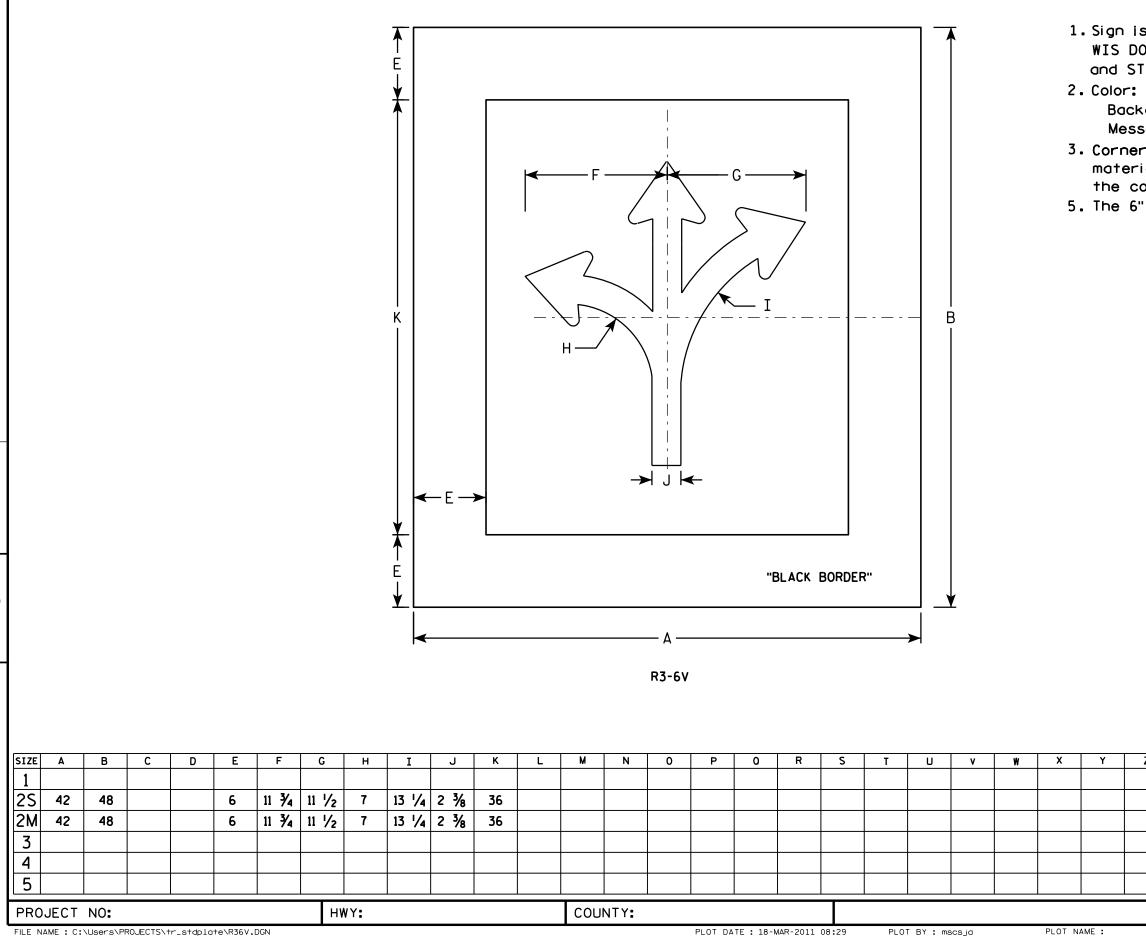
7		 Sign is Typ WIS DOT St and STRUCTI Color: Backgroun Message Corners ma material is as shown. N corners an Border & A circle with
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	X Y Z Areg. sq. fr. 4.0 4.0 4.0 9.0 9.0 9.0 9.0 9.0 16.0
	4 36 1 \$\frac{5}{8}\$ \$\frac{3}{4}\$ 15 \$\frac{3}{4}\$ 6 11 \$\frac{1}{4}\$ 3 2 \$\frac{1}{4}\$ 3 \$\frac{3}{4}\$ 45° 12 \$\frac{3}{4}\$ 7 \$\frac{1}{2}\$ 9 \$\frac{3}{4}\$ 10 10 10 10 10	9

NOTES

ype II - Type H Reflective - reference Standard Specification for HIGHWAY TURE CONSTRUCTION latest edition.

ound - White - See note 4 may be square or rounded when base s plywood but borders shall be rounded When base material is metal, the and borders shall be rounded. Arrow are non reflective black, the h diagonal bar is reflective red.



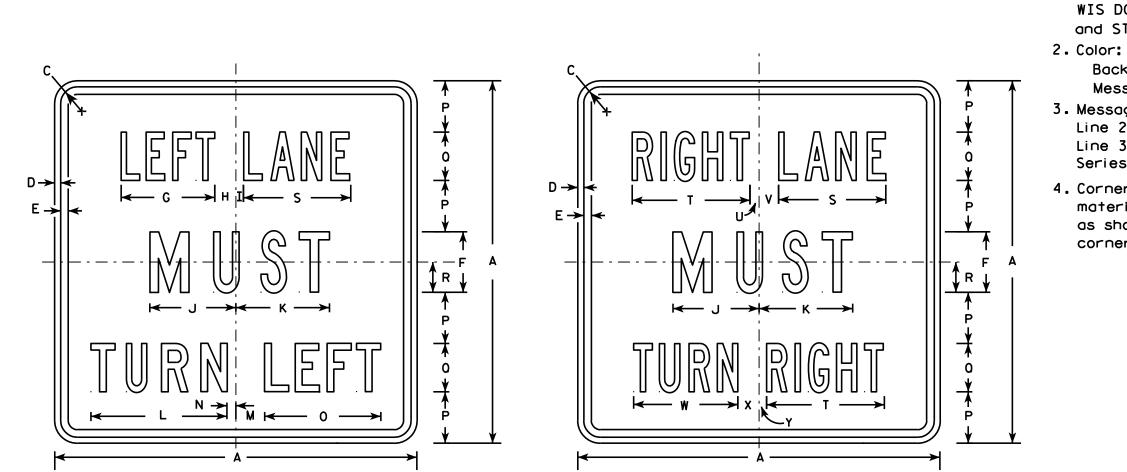


NOTES

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

Background - White Message - Black 3. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded. 5. The 6" border is non-reflective black.

STANDARD SIGN	Area sq. ft.	Z
R3-6V		
NJ-0V	14.0	
WISCONSIN DEPT OF TRANSPORTATION	14.0	
APPROVED Matthew & Rauch		
F_{or} State Traffic Engineer		
DATE 3/17/2011 PLATE NO. R3-6V.2		
SHEET NO: E		
SCALE : 7.945391:1.000000 WISDOT/CADDS SHEET 42	PI	



R3-7L

3 36 1 \$\frac{5}{8}\$ \$\frac{3}{4}\$ 6 9 \$\frac{5}{8}\$ 2 1 \$\frac{1}{8}\$ 8 \$\frac{3}{4}\$ 9 13 \$\frac{1}{2}\$ 3 \$\frac{7}{8}\$ 1 \$\frac{1}{2}\$ 5 5 3 10 \$\frac{5}{8}\$ 12 7\frac{8}{8}\$ 2 \$\frac{1}{4}\$ 10 \$\frac{5}{8}\$ 2	1 5/8 5/8 3/4 6 9 5/8 2 1 1/8 8 3/4 9 13 1/2 3 7/8 1 1/2 12 1/2 5 5 3 10 5/8 12 7/8 2 1/4 10 5/8 2 1/8 1
$ \begin{vmatrix} 4 \\ 48 \end{vmatrix} $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
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R3-7R

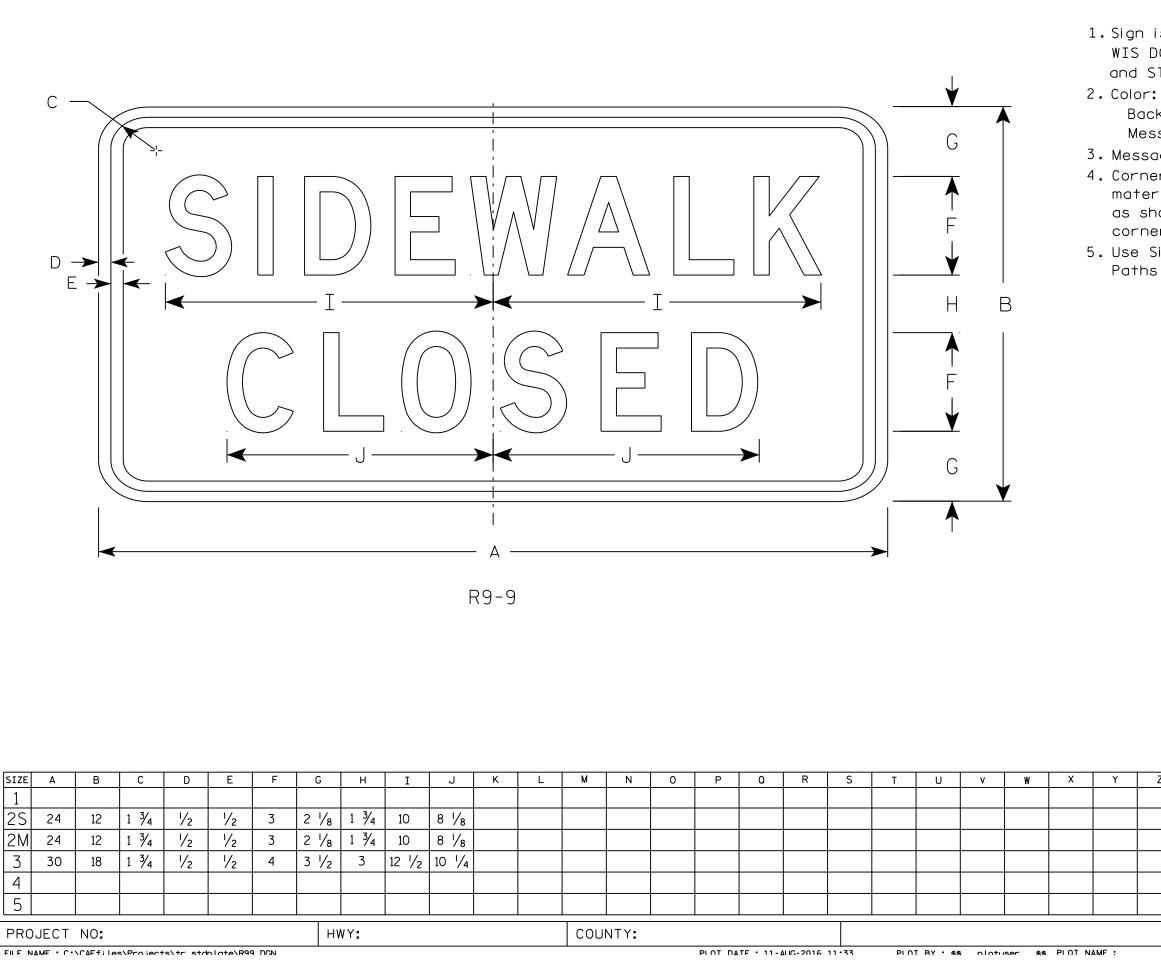
NOTES

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

- Message Black
- 3. Message Series Line 1 is Series B.
 - Line 2 is Series C.
 - Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.

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.

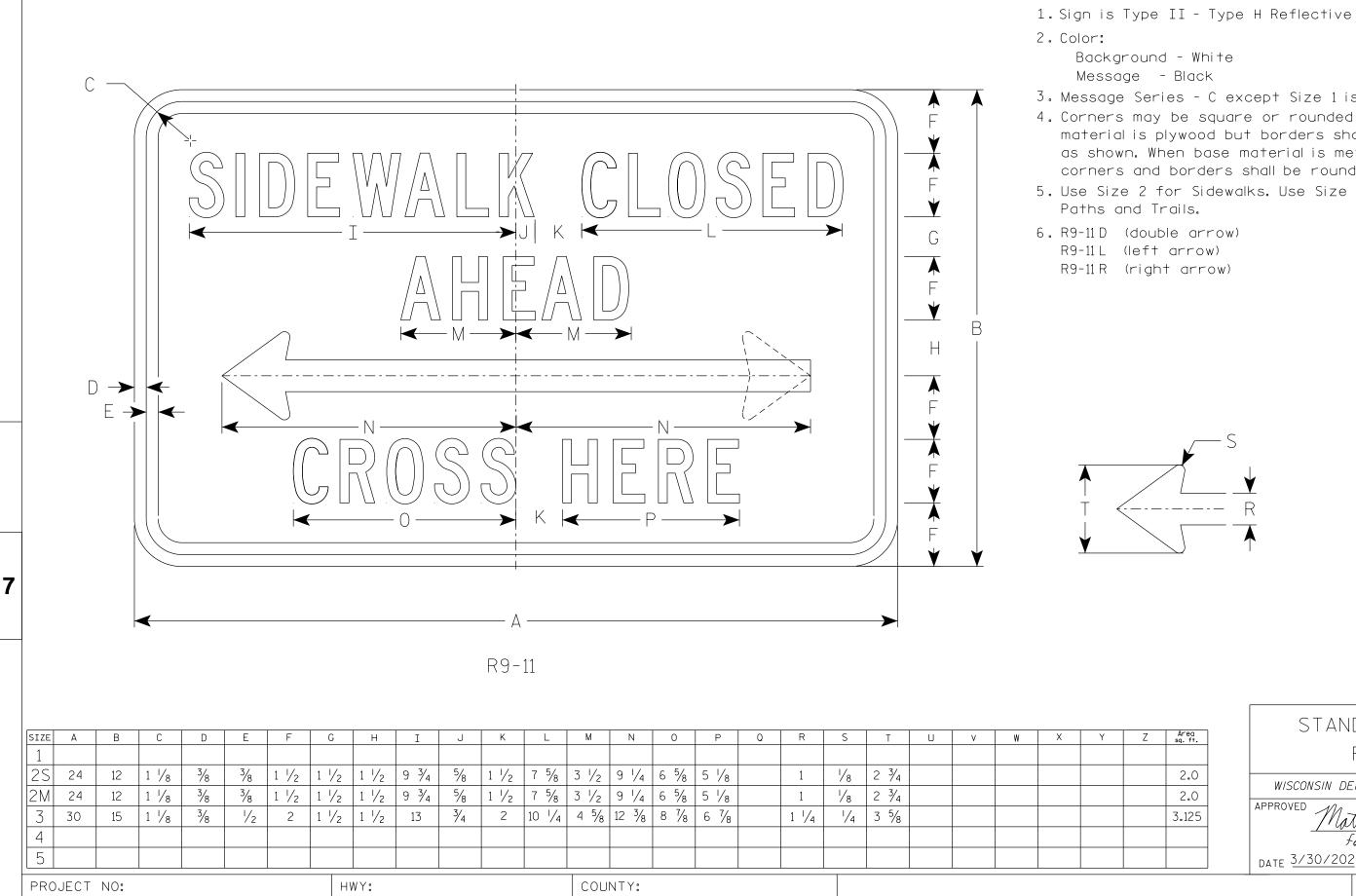
Y	Z	Areo sq. ft.	STANDARD SIGN
5⁄8		6.25	
5⁄8		6.25	R3-7L & R3-7R
5⁄8		6.25	WISCONSIN DEPT OF TRANSPORTATION
1		9.00	APPROVED Matthew & Rauch
1 1⁄8		16.00	for State Traffic Engineer
			DATE 3/18/2011 PLATE NO. R3-7.3
			SHEET NO: E



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	
			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

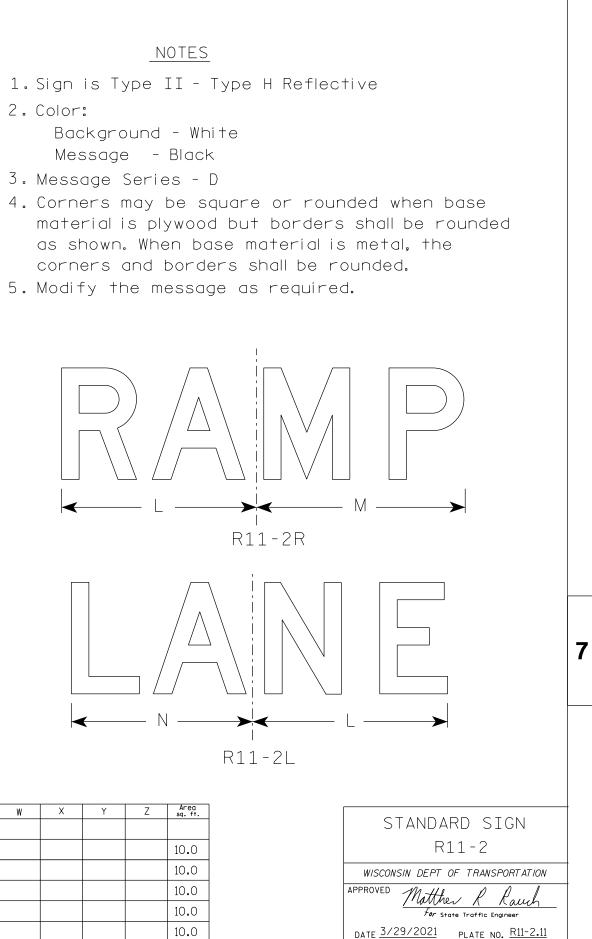
Area sq. ft.	STANDARD SIGN R9-11
 2.0	WISCONSIN DEPT OF TRANSPORTATION
2.0	
3.125	APPROVED Matthew R Rauch For State Traffic Engineer
	DATE 3/30/2021 PLATE NO. <u>R9-11.4</u>
	SHEET NO: E

							С К						К			>			G F) \	/
										R11	- 2																	
7														-0		R11			_0-]				<hr/>	/ N	//////////////////////////////////////
	SIZE	А	В	С	D	E	F	G	н	I	J	К	L	М	N	0	P	Q	R	S	Т	U	v	W	X	Y	Z	Are sq. 1
	1																											
	25	48	30	1 3/8	1/2	5⁄8	8	5	4		13 ½	19	14	15	13	15 5/8												10.0
	2M	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 ½	19	14	15	13	15 ⁵ ⁄8												10.0
	3	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 ½	19	14	15	13	15 5/8												10.0
	4	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 ½	19	14	15	13	15 5/8												10.0
	5	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 ½	19	14	15	13	15 5/8												10.0
	PRO	JECT	NO:						HWY:					С	OUNT	Y:												
l				.PROJECTS`	\tr_stdp.	late\R112	2.dgn							1			PL()T DATE :	: 29-MAR	2021 8:1	5	PLOT E	3Y : doto	:4c	F	PLOT NAMI	E :	

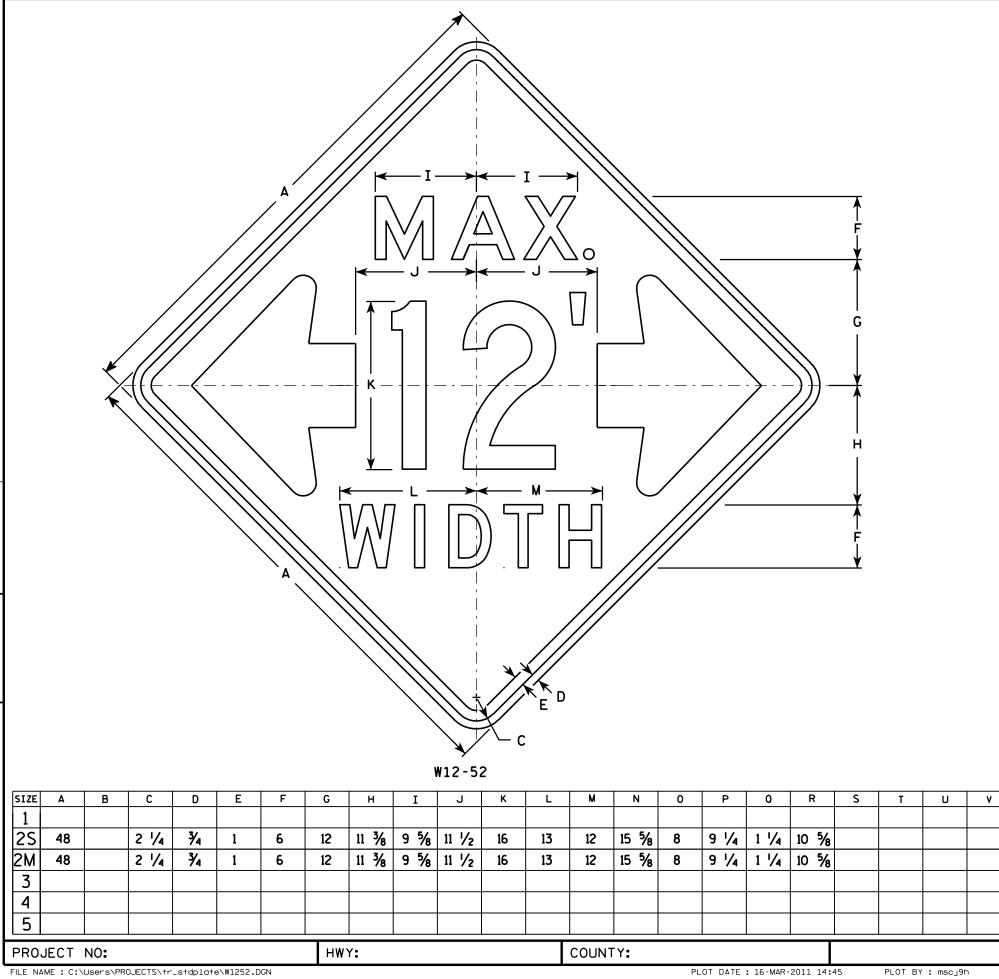
G Ā $D \rightarrow \checkmark$ F E → V ≻≺ . 1 ΗB

С.

- 2. Color:
- 3. Message Series D



	For sta	ite Traffic Engi	neer	
DATE <u>3/</u>	29/2021	PLATE NO.	<u>R11-2.1</u>	1
	SHEET	NO:		Ε



PLOT NAME :

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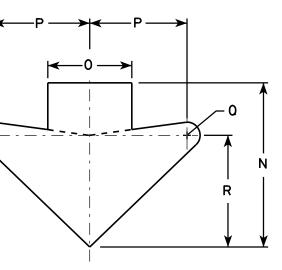
Y

NOTES

2. Color:

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

Background - Orange Message - Black 3. Message Series - See note 5 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. The top line is series E, the numerals are series C, and the bottom line is series D. 6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

_							
	Z	Areo sq. ft.		ST	ANDARD S	IGN	
		16.0			W12-52		
		16.0		WISCONSI	N DEPT OF TRANS	SPORTATION	
				APPROVED	Matther R	Rauch	
				-	For State Traffic		_
				DATE	6/11 PLATE N	NO. <u>W12-52</u>	<u>.7</u>
					SHEET NO:		Ε
		PLOT S	CALE : 9.13	7199:1.000000	WISDOT/CA	DDS SHEE	г 42

		1. s 2. 3. 4.
	A ROAD f 250 FT f W20-1H	
•	W20-1A W20-1A W20-1B	->
	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 1 36 1 5/8 5/8 3/4 5 2 5/8 3 1/4 10 1/8 7 7 5/8 8 1/8 1/2 3 1/2 9 3 1/4 2 1/2 2 1/4 5 5/8 9 1 3/8 8 1 3/4 2S 48 2 1/4 3/4 1 8 3 3/4 5 1/8 12 1/8 1 5/8 1 3/4 2 3/4 1 8 2 3/4 5 1/8 11 1/8 12 1/8 14 3/8 1 5/8 13 1/4 1/8 1 3/4 2 1/4 3/8 1 3/8 1 3/4 2 1/8 1 3/4 2	16 ³ / ₈ 16 ³ / ₈

3 3/4 5 1/8 15 3/8 11 1/8 12 1/8 14 3/8 1 5/8 6 7/8 5 3/8 13 7/8 4 3/8 3 7/8

PROJECT NO:

48

5

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

2 1/4

3/4

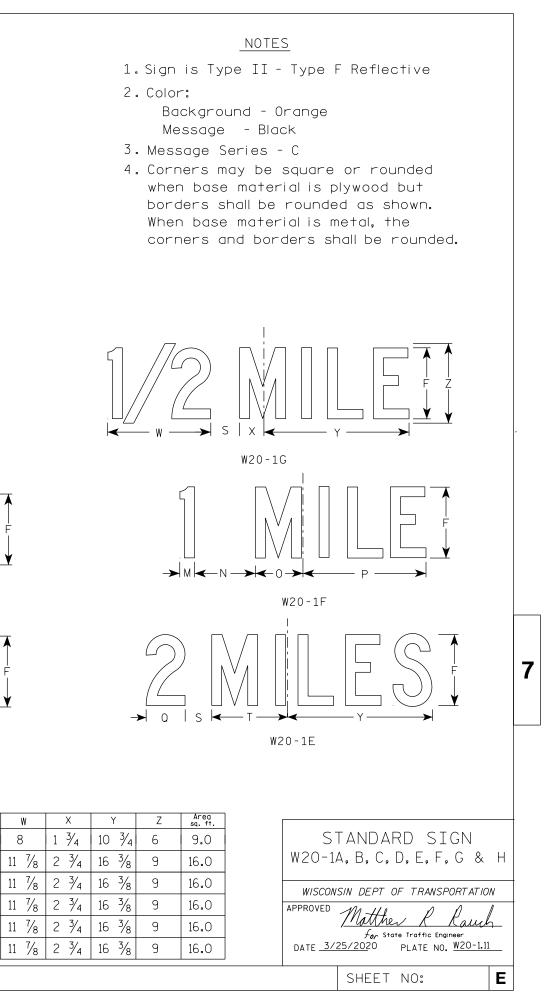
1

8

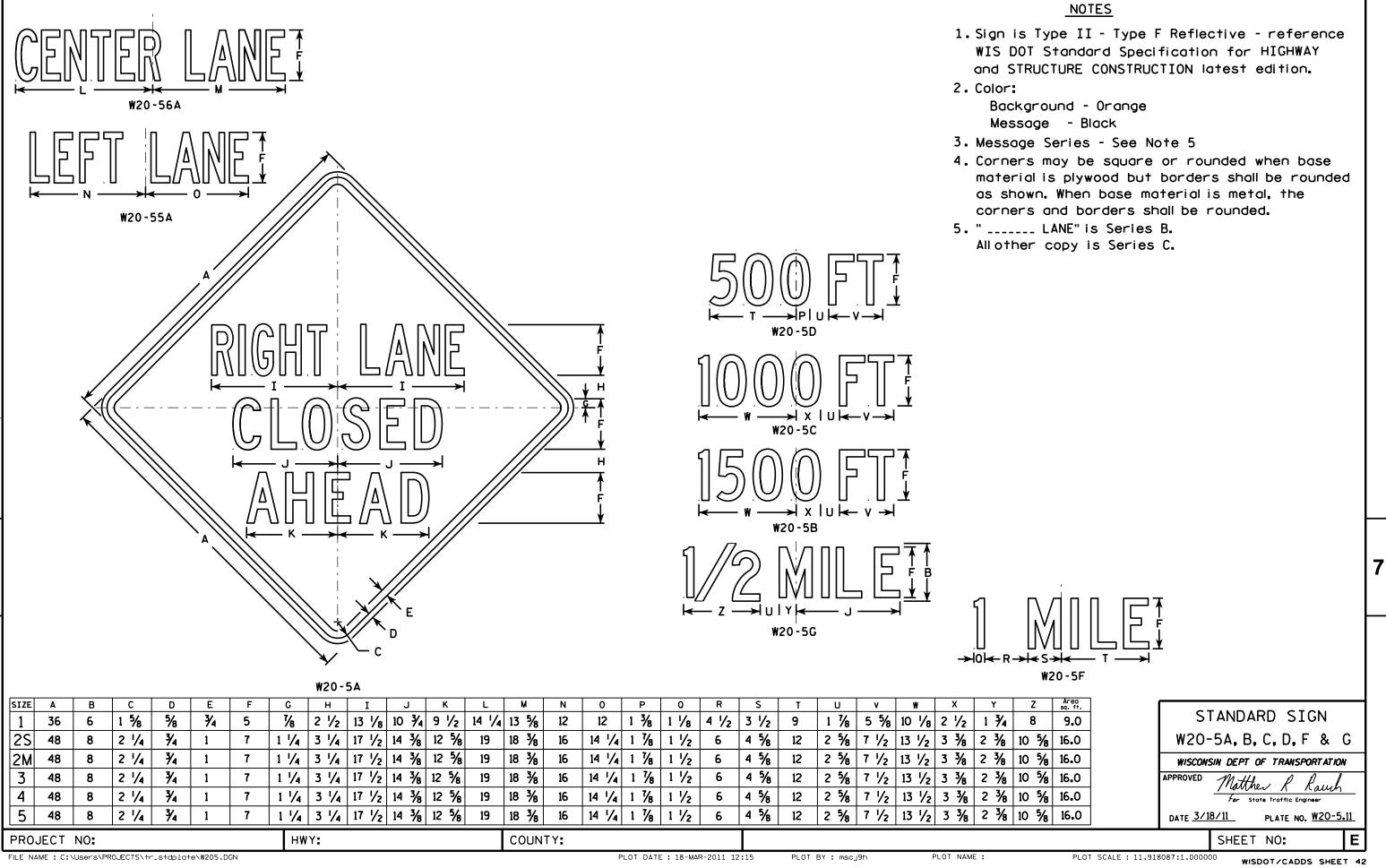
PLOT BY : dotc4c

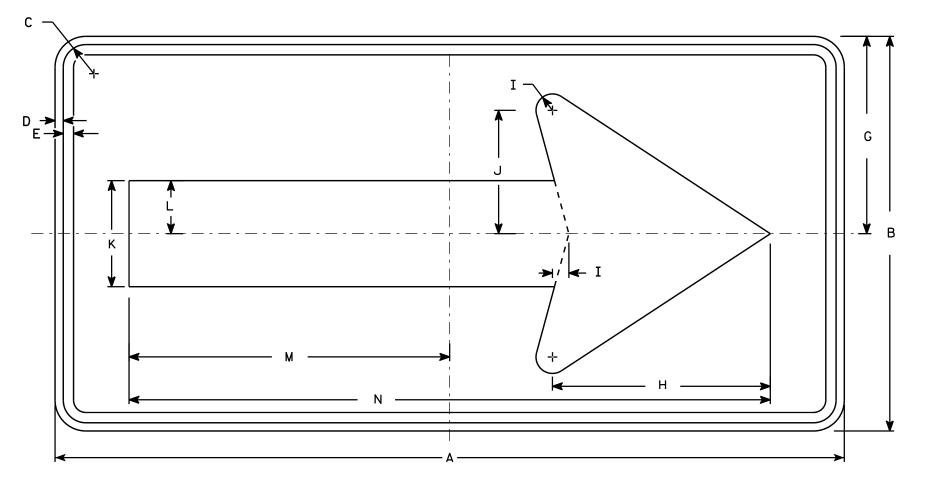
3

8 5/8 13 3/4 2 1/8



WISDOT/CADDS SHEET 42







SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	м	N	0	P	0	R	S	Т	U	v	W	X	Y
1																									1
2S	48	24	1 3/8	1/2	5%8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39											
2M	48	24	1 3/8	1/2	5%		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39											
3	60	30	1 3/8	1/2	5%		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾											
4	60	30	1 3/8	1/2	5⁄8		15	16 1⁄4	1 1/4	9 1/4	8	4	24 3/8	48 ¾											
5	60	30	1 3/8	1/2	5%		15	16 1⁄4	1 1⁄4	9 1⁄4	8	4	24 3/8	48 ¾											
PRC	JECT	NO:					ни	VY:					COUN	ΤΥ:											
FILE N	IAME : C:	\CAEfile	s\Project	s\tr_std	plate\W01	L6.DGN										PLOT DAT	E : 28-FE	B-2014 11	:37	PLOT	BY : mscj	j9h	P	PLOT NAME	. :

- 2. Color:
 - Message Black

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN

NOTES

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

Background - Orange

3. 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.

Z	Areg sq. ft.	STANDARD SIGN
	8.0	W01-6
	8.0	WISCONSIN DEPT OF TRANSPORTATION
	12.5	APPROVED Matthew & Rauch
	12.5	For State Traffic Engineer
	12.5	DATE <u>11/18/13</u> PLATE NO. <u>WO1-6.1</u>
		SHEET NO: E

$ \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	

- 2. Color:
 - Background Orange Message – Black

SIZE	Α	В	С	D	E	F	G	н	I	J	к	L	M	N	0	Р	0	R	S	Т	U	v	W	X	Y	
1	36		1 5/8	5⁄8	3⁄4	12	4	45°	1	1 3⁄4	5	3	1 1/2													
2S	48		2 1⁄4	3⁄4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3⁄4	4	2													
2M	48		2 1/4	3⁄4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3⁄4	4	2													
3	48		2 1/4	3⁄4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3⁄4	4	2													Γ
4	48		2 1/4	3⁄4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3⁄4	4	2													Γ
5	48		2 1/4	3⁄4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3⁄4	4	2													
																										-
PRO	JECT	NO:																								

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W042.DGN

7

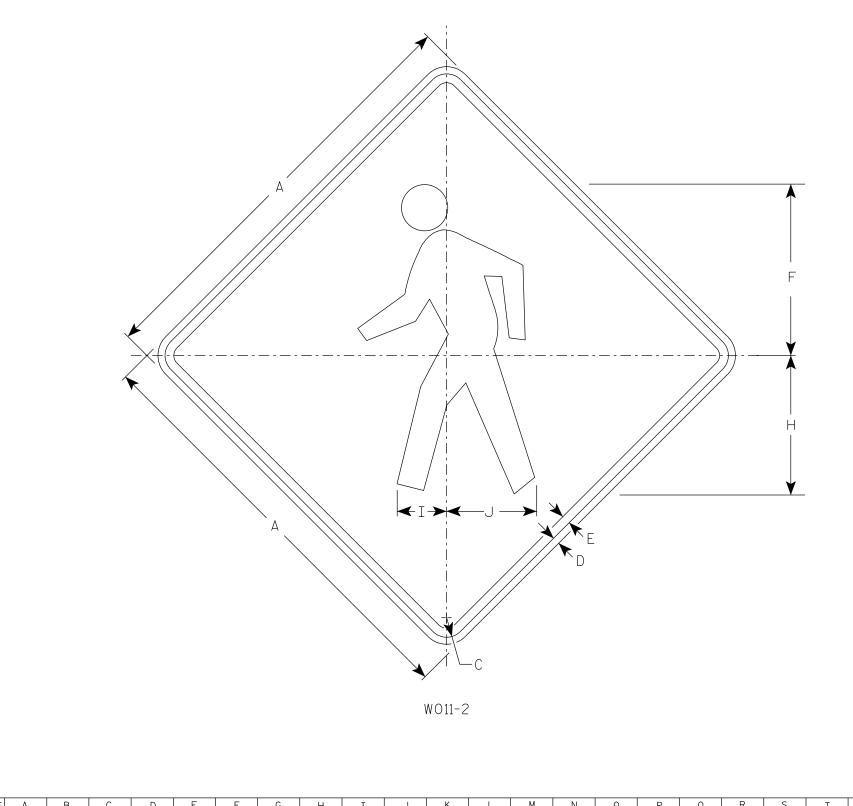
NOTES

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

3. 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.

4. W04-2L is the same as W04-2R except the symbolis reversed along the vertical centerline.

Z	Areo sq. ft.	STANDARD SIGN
	9.0	WO4-2
	16.0	W04-2
	16.0	WISCONSIN DEPT OF TRANSPORTATION
	16.0	APPROVED Matthew & Rauch
	16.0	ForState Traffic Engineer
	16.0	DATE 11/20/13 PLATE NO. W04-2.1
		SHEET NO: E



- 2. Color:
 - Background Orange Message – Black

SIZE	Α	в	С	D	E	F	G	Н	Т	J	К	L	М	N	0	Р	Q	R	S	т	U	v	W	x	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3⁄4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48	:	2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3⁄4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 5/8	10 1/4																	16.0
4	48		2 1/4	3⁄4	1	19 3/8		15 3⁄4	5 5/8	10 1/4																	16.0
5																											
PRO	JECT	NO:						HWY:					C	COUNT	Y:												
FILE NA	ME : C:	\CAEFiles	NPro ject	ts\tr_st		W0112 DGM										Di			RIL-2020			BY : do	+010		PLOT N	AME •	

NOTES

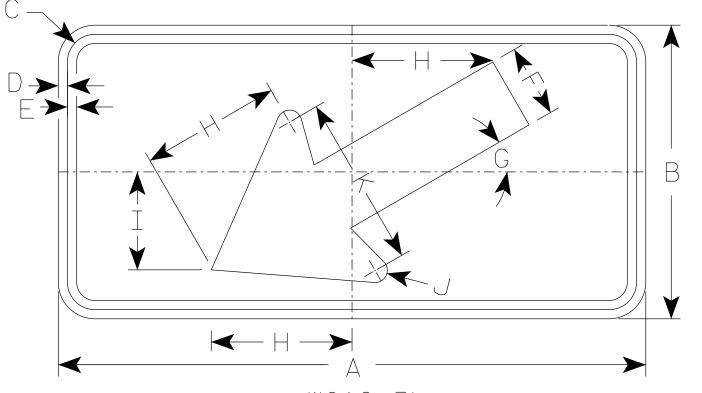
1. Sign is Type II - Type F Reflective

3. 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.

	STANDARD SIGN
	W011-2
)	WISCONSIN DEPT OF TRANSPORTATION
)	APPROVED Matther R Rauch
1	<i>for</i> State Traffic Engineer
	DATE <u>4/8/2020</u> plate no. <u>W011-2.1</u>
	SHEET NO: E

NOTES

- 1. Sign is Type II Type F Reflective
- 2. Color: Background - Orange Message - Black
- 4. W016-7R is the same as W016-L the vertical centerline.



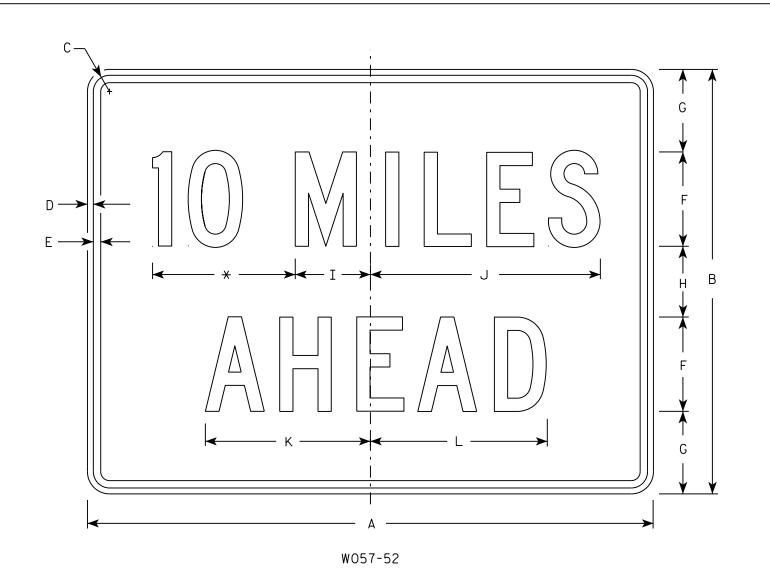


SIZE	А																								
		В	С	D	E	F	G	Н	I	J	К	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	Х	Y
1	30	18	1 1/8	3⁄8	1/2	4 1/2	30°	8 ¹ / ₂	6	5⁄8	10 1/4														
25	48	24	1 3⁄8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
2M	48	24	1 3⁄8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
3	48	24	1 3/8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
4	48	24	1 3⁄8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
5	48	24	1 3/8	1/2	5⁄8	6	30°	11 1/2	8	1	14														
PROJE	ЕСТ	NO:					НW	Y:					COUN	TY:											

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0167.dgn

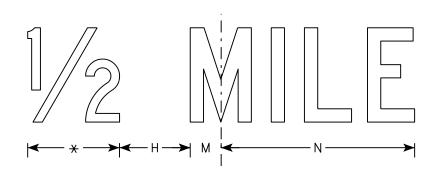
3. Corners may be square or rounded but corners shall be rounded when base material is metal. except the arrow is reversed along

Z	Area sq. ft. 3.75	STANDARD SIGN W016-7
	8.0	WISCONSIN DEPT OF TRANSPORTATION
	8.0	
	8.0	APPROVED Matther R Rauch
	8.0	For State Traffic Engineer
	8.0	DATE <u>3/16/2021</u> PLATE NO. <u>W016-7.2</u>
		SHEET NO: E





- 1. Sign is Type II Type F Reflective
- 2. Color:
 - Background Orange Message – Black
- 3. Message Series C
- 4. Corners may be square or rounded when base corners and borders shall be rounded.



* See note 5

SIZE	Α	В	С	D	E	F	G	н	I	J	K	L	м	N	0	P	0	R	S	Т	U	v	W	X	Y	Z	Area sq. ft
1	36	24	1 1/8	3⁄8	1/2	6	4 1/2	3	4 ³ ⁄4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3⁄4	16 ³ ⁄8													12.0
2M	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5⁄8	8	7	6	6 3/8	19 ½	14	15	2 3⁄4	16 3/8													12.0
PRO	JECT	NO:					1	HWY:					С	OUNTY	•												
																								_		-	

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W05752.DGN

PLOT DATE : 21-MAR-2017 08:53

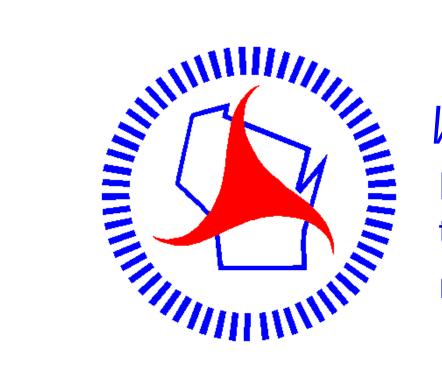
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PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

material is plywood but borders shall be rounded as shown. When base material is metal, the 5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

Area sq. ft.		STANDARD SIGN
6.0		W057-52
12.0		
12.0		WISCONSIN DEPT OF TRANSPORTATION
12.0		APPROVED Matthew & Rauch
12.0		f_{or} State Traffic Engineer
12.0		DATE 3/21/17 PLATE NO. W057-52.2
		SHEET NO: E
	PLOT SCALE : 8	.139174:1.000000 WISDOT/CADDS SHEET 42

Notes



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