FEDERAL PROJECT NOVEMBER 2020 STATE PROJECT STATE OF WISCONSIN PROJECT ORDER OF SHEETS CONTRACT WISC 2020546 6090-08-71 Section No. 1 DEPARTMENT OF TRANSPORTATION Typical Sections and Details Section No. 2 Estimate of Quantities Section No. 3 Section No. 3 Miscellaneous Quantities ₫ PLAN OF PROPOSED IMPROVEMENT Right of Way Plat Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings 0 Section No. 7 Sign Plates **VILLAGE OF BRANDON** 0 Section No. 8 Structure Plans 90-08-Section No. 9 Computer Earthwork Data **CTH TC - WCPL** Section No. 9 Cross Sections **STH 49** TOTAL SHEETS = 94 FOND DU LAC COUNTY STATE PROJECT NUMBER 6090-08-71 EXCEPTION TO NET CL LENGTH _STA 444+60 - STA 444+71 R 14 E R 15 E END PROJECT DESIGN DESIGNATION STA. 473+44 A.A.D.T. 2020 = 3600 A.A.D.T. 2040 = 4200 BEGIN PROJECT = 7.0 D-H-V-STA. 421+75 = 2.5 N43°43'53" = 8.3 W88°46'32" DESIGN SPEED = 25 MPH **ESALS** = 790,000 CONVENTIONAL SYMBOLS PROFILE PI AN 15 15 GRADE LINE CORPORATE LIMITS 31 ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) Z LIMITED HIGHWAY EASEMENT SPECIAL DITCH STATE OF WISCONSIN EXISTING RIGHT OF WAY 7 GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION SLOPE INTERCEPT CULVERT (Profile View) PREPARED BY UTILITIES REFERENCE LINE WISDOT / OMNI ASSOCIATES Surveyor ELECTRIC EXISTING CULVERT FIBER OPTIC BRYAN LEARST PROPOSED CULVERT ROBERT WAGNER (Box or Pipe) SANITARY SEWER ROBERT WAGNER COMBUSTIBLE FLUIDS STORM SEWER R 14 E R 15 E TELEPHONE SCALE L APPROVED FOR THE DEPARTMENT MARSH AREA HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY sugar Lears UTILITY PEDESTAL COORDINATES, FOND DU LAC COUNTY, NAD83 (2011) NAVD88 (2012), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. TOTAL NET LENGTH OF CENTERLINE = 0.96 MI POWER POLE Ø WOODED OR SHRUB AREA TELEPHONE POLE Ε FILE NAME : C:\CIVIL 3D PROJECTS\60900800\SHEETSPLAN\CAD FILES\60900800_TI.DWG PLOT DATE : 7/20/2020 8:25 AM PLOT BY : SCHWAB, JILLIAN P PLOT NAME : WISDOT/CADDS SHEET 10

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

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

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

INSTALL EROSION CONTROL ITEMS AS DIRECTED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

AS-BUILTS USED FOR PLAN DEVELOPMENT PROJECT NO. 6090-07-60 PROJECT NO. TO72-1(7)

OTHER CONTACTS

WISCONSIN & SOUTHERN RAILROAD CO. CONSTRUCTION CONTACT ROGER SCHAALMA SUPERINTENDENT OF MAINTENANCE OF WAY 1890 EAST JOHNSON STREET MADISON, WI 53704 (608) 620-2044 RSCHAALMA@WATCOCOMPANIES.COM

RAIL INSURANCE AND CORRIDOR UTILITY CONTACT AMANDA HAGGERTY OFFICE ADMINISTRATOR 1890 EAST JOHNSON STREET MADISON. WI 53704 (608) 620-2048 AHAGGERTY@WATCOCOMPANIES.COM

FOND DU LAC COUNTY HIGHWAY DEPARTMENT THOMAS JANKE HIGHWAY COMMISSIONER P.O. BOX 1234 301 DIXIE ST FOND DU LAC, WI 54936 PHONE: (920) 929-3488 FAX: (920) 929-3698

FOND DU LAC COUNTY SURVEYOR PETER KUEN SURVEYOR 301 DIXIE ST FOND DU LAC, WI 54936 (920) 929-3492 PETER.KUEN@FDLCO.WI.GOV

WISCONSIN DEPARTMENT OF **TRANSPORTATION** SURVEY SECTION CORMAC MCINNIS 944 VANDERPERREN WAY GREEN BAY. WI 54304 (920) 492-5638

DNR LIAISON JAY SCHIEFELBEIN 2984 SHAWANO AVE GREEN BAY, WI 54307-0448 (920) 360-3784 JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

VILLAGE OF BRANDON DAVID TARR (PRESIDENT) CORINNE VANDE ZANDE (CLERK) TOWN HALL 115 N CENTER ST P.O. BOX 385 BRANDON, WI 53919-0385 (920) 346-5415 CLERKOFBRANDON@CENTURYTEL.NET

CENTURYLINK (COMMUNICATION) TIM KROEZE 19 W FOND DU LAC ST RIPON, WI 54971 (920) 219-0112 TIM.KROEZE@CENTURYLINK.COM

ALLIANT ENERGY (ELECTRIC & GAS) DONNA HILBERT 509 FENTON ST RIPON, WI 54971 (920) 748-4012 DONNAHILBERT@ALLIANTENERGY.COM VILLAGE OF BRANDON (SEWER & WATER) VANCE HENNING 115 N CENTER ST P.O. BOX 385 BRANDON, WI 53919-8217 (920) 960 - 9727 CLERKOFBRANDON@CENTURYTEL.NET 2



PROJECT NO:6090-08-71

HWY:STH 49

COUNTY: FOND DU LAC

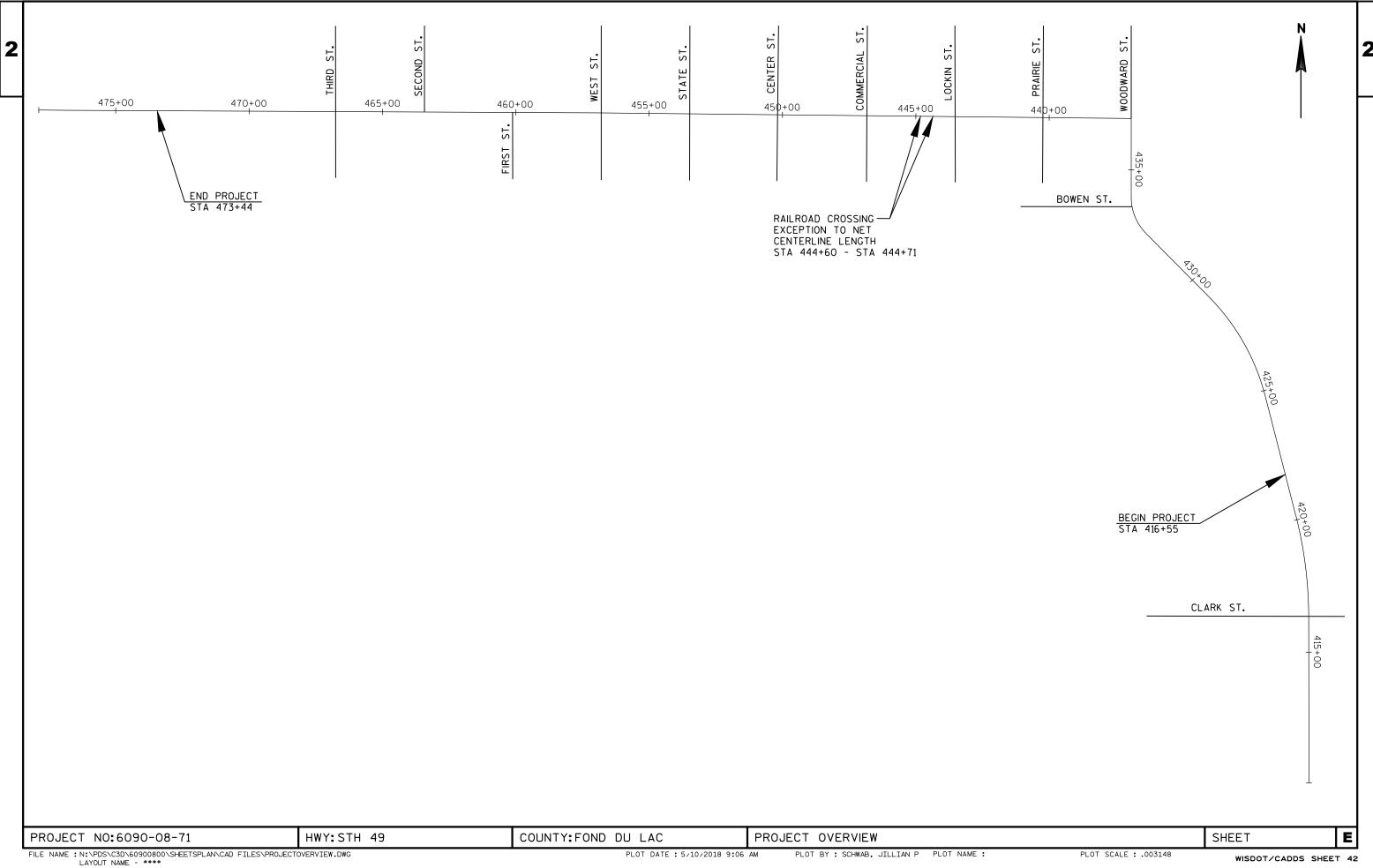
GENERAL NOTES

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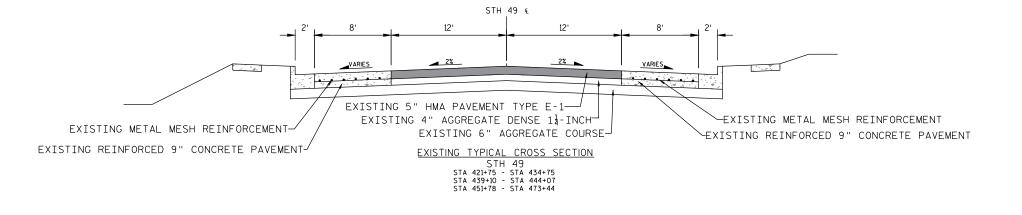
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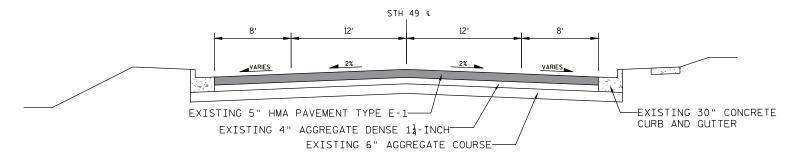
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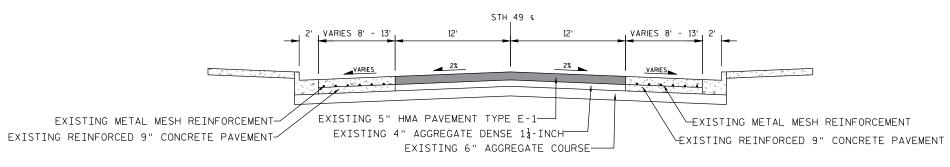








EXISTING TYPICAL CROSS SECTION STH 49 STA 434+75 - STA 439+10 STA 444+07 - STA 445+00



EXISTING TYPICAL CROSS SECTION STH 49 STA 445+00 - STA 451+78

PROJECT NO:6090-08-71

HWY:STH 49

COUNTY: FOND DU LAC

PLAN: TYPICAL SECTION

SHEET

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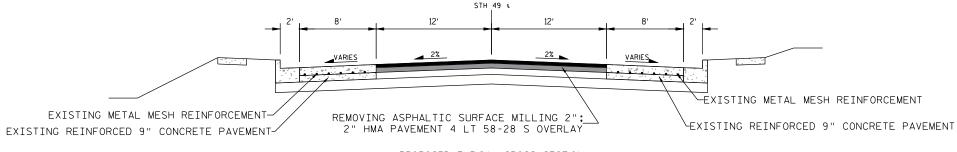
PLOT BY: SCHWAB, JILLIAN P PLOT NAME:

PLOT SCALE : 1 IN:10 FT

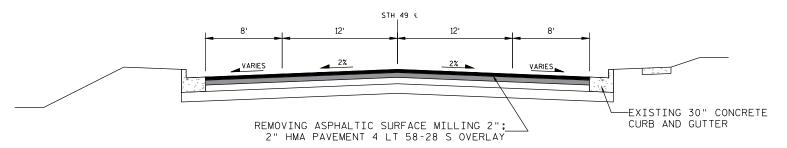
WISDOT/CADDS SHEET 42

Ε

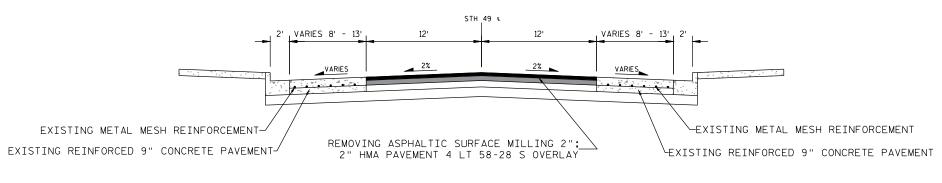




PROPOSED TYPICAL CROSS SECTION STH 49 STA 421+75 - STA 434+75 STA 439+10 - STA 444+07 STA 451+78 - STA 473+44



PROPOSED TYPICAL CROSS SECTION STH 49 STA 434+75 - STA 439+10 STA 444+07 - STA 445+00



PROPOSED TYPICAL CROSS SECTION STH 49 STA 445+00 - STA 451+78

PROJECT NO:6090-08-71 HWY:STH 49 COUNTY: FOND DU LAC

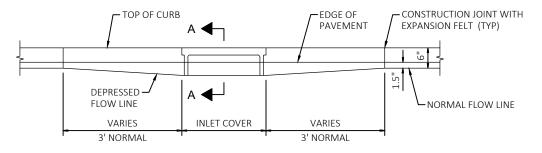
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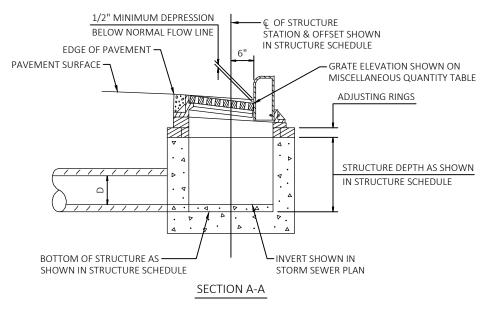
PLOT BY: SCHWAB, JILLIAN P PLOT NAME:

SHEET

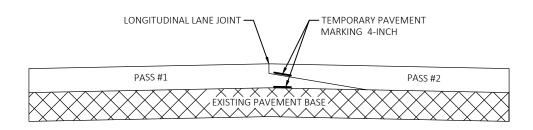
WISDOT/CADDS SHEET 42

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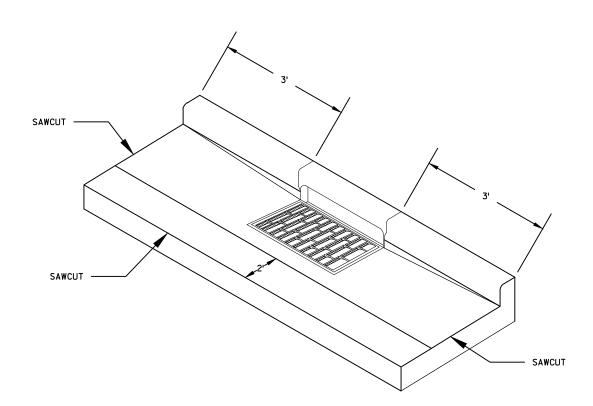




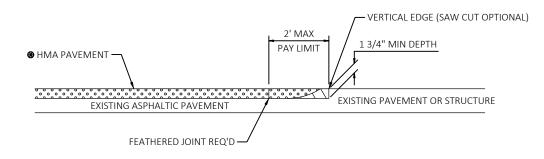
DETAIL OF CURB AND GUTTER AT INLETS



PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS



INLET COVER REPLACEMENT DETAIL



 SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS REMOVING ASPHALTIC SURFACE, MILLING

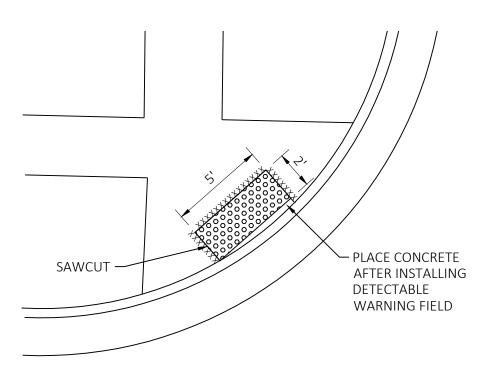
REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

2' PAID AS REMOVING ASPHALTIC SURFACE BUTT JOINTS

PROJECT NO:6090-08-71 HWY:STH 49 COUNTY:FOND DU LAC CONSTRUCTION DETAILS SHEET **E**

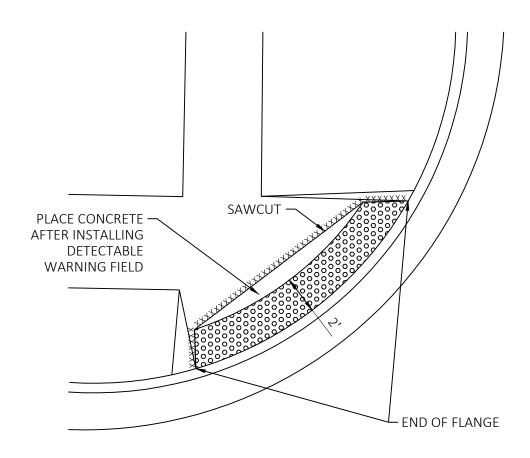
2



DETECTABLE WARNING FIELD - RECTANGULAR

ALIGN CENTER OF DETECTABLE WARNING FIELD WITH CENTER OF EXISTING RAMP

MATCH WIDTH OF EXISTING RAMP WHEN EXISTING RAMP WIDTH < 5'

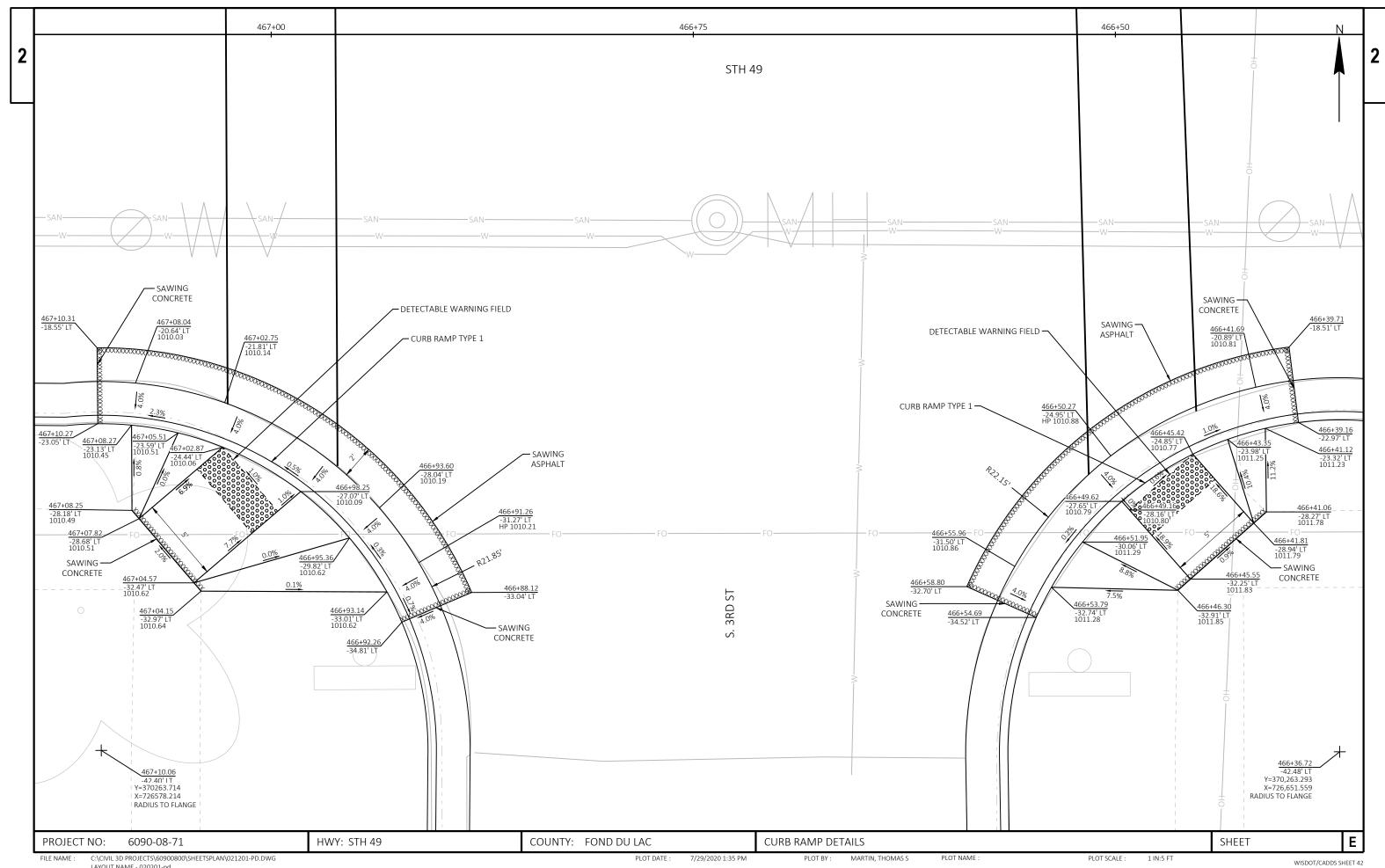


DETECTABLE WARNING FIELD - RADIAL

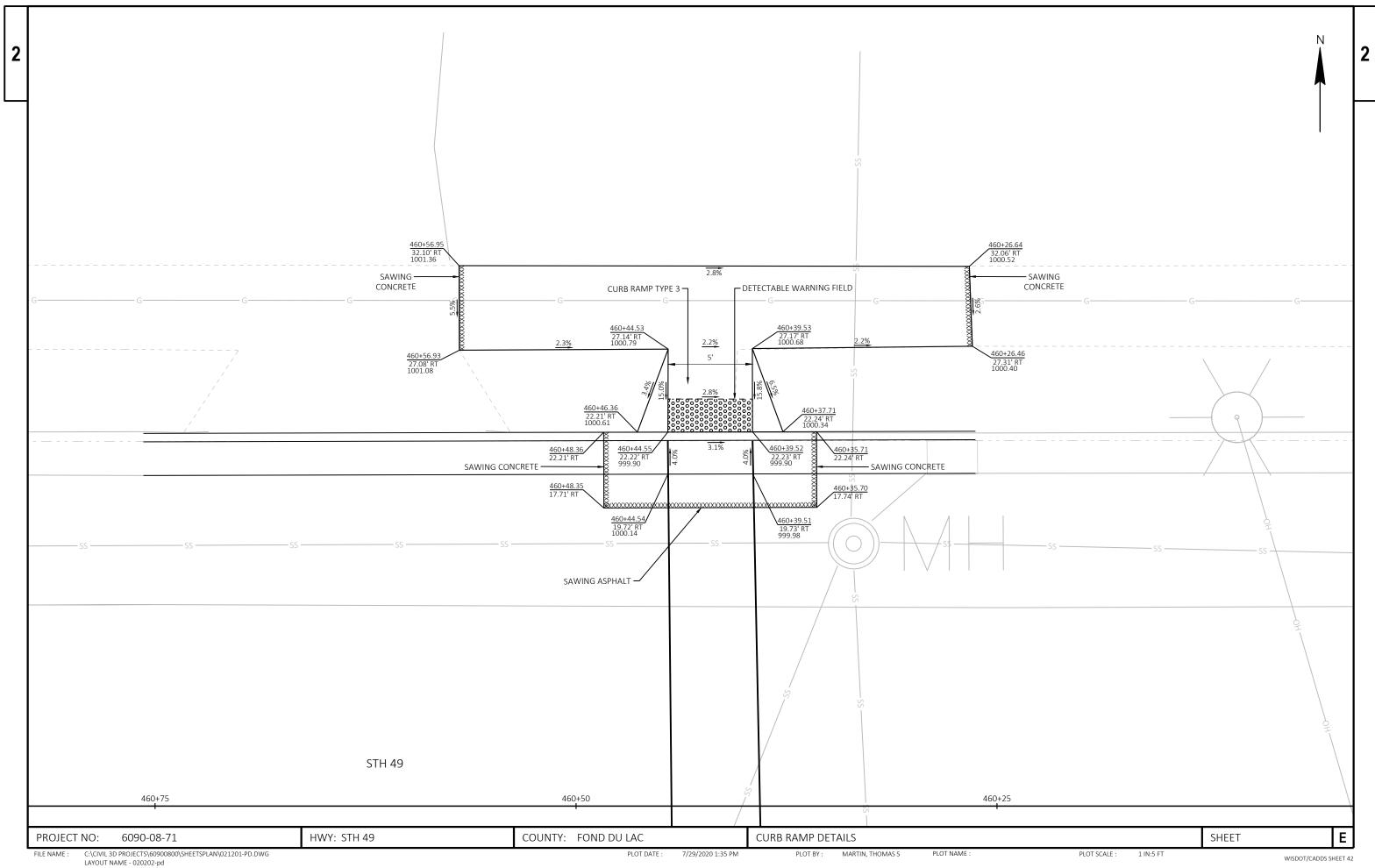
MATCH WIDTH OF EXISTING RAMP

PROJECT NO: 6090-08-71 HWY: STH 49 COUNTY: FOND DU LAC CONSTRUCTION DETAILS - CURB RAMPS DETECTABLE WARNING FIELD INSTALLATION SHEET **E**

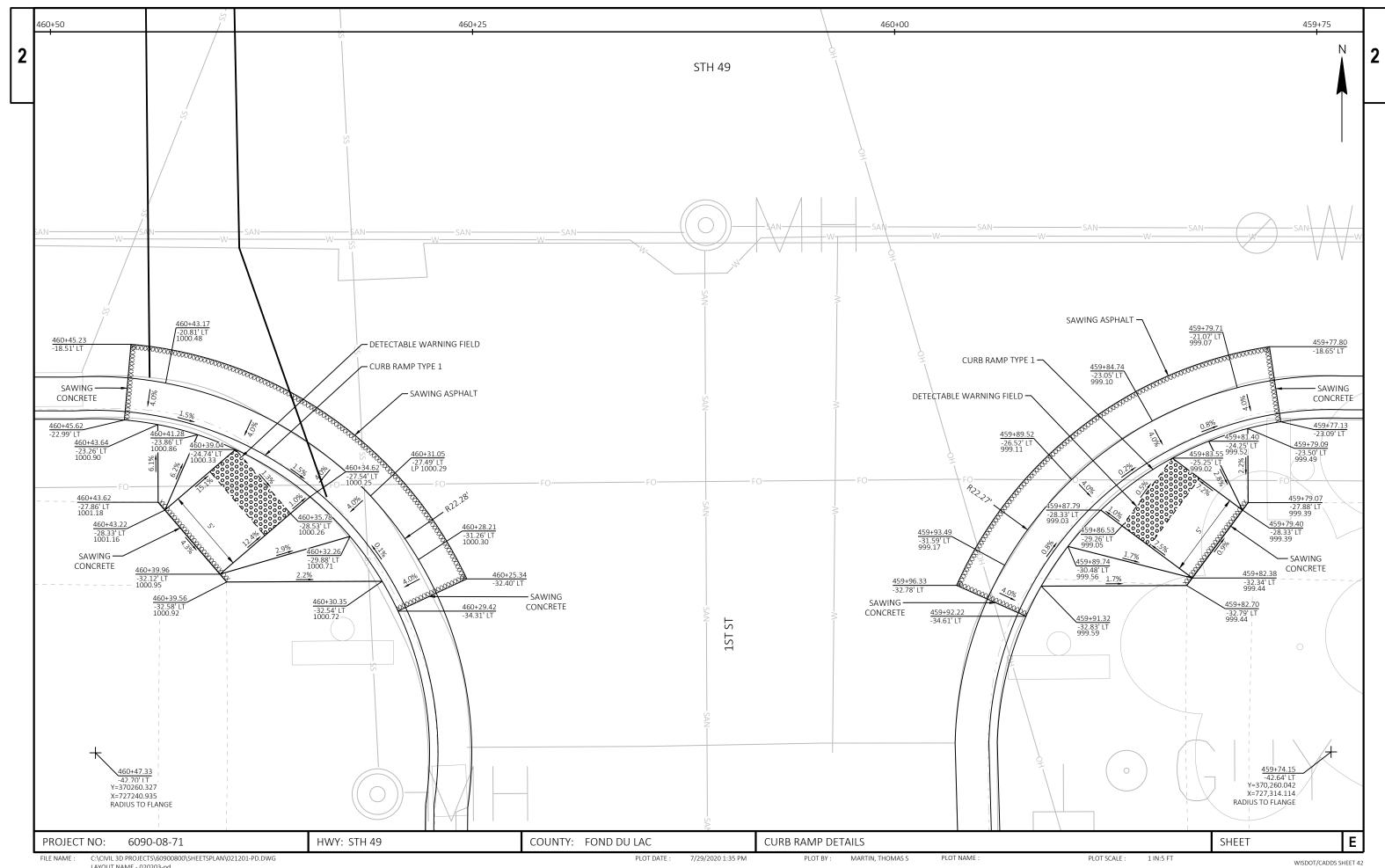
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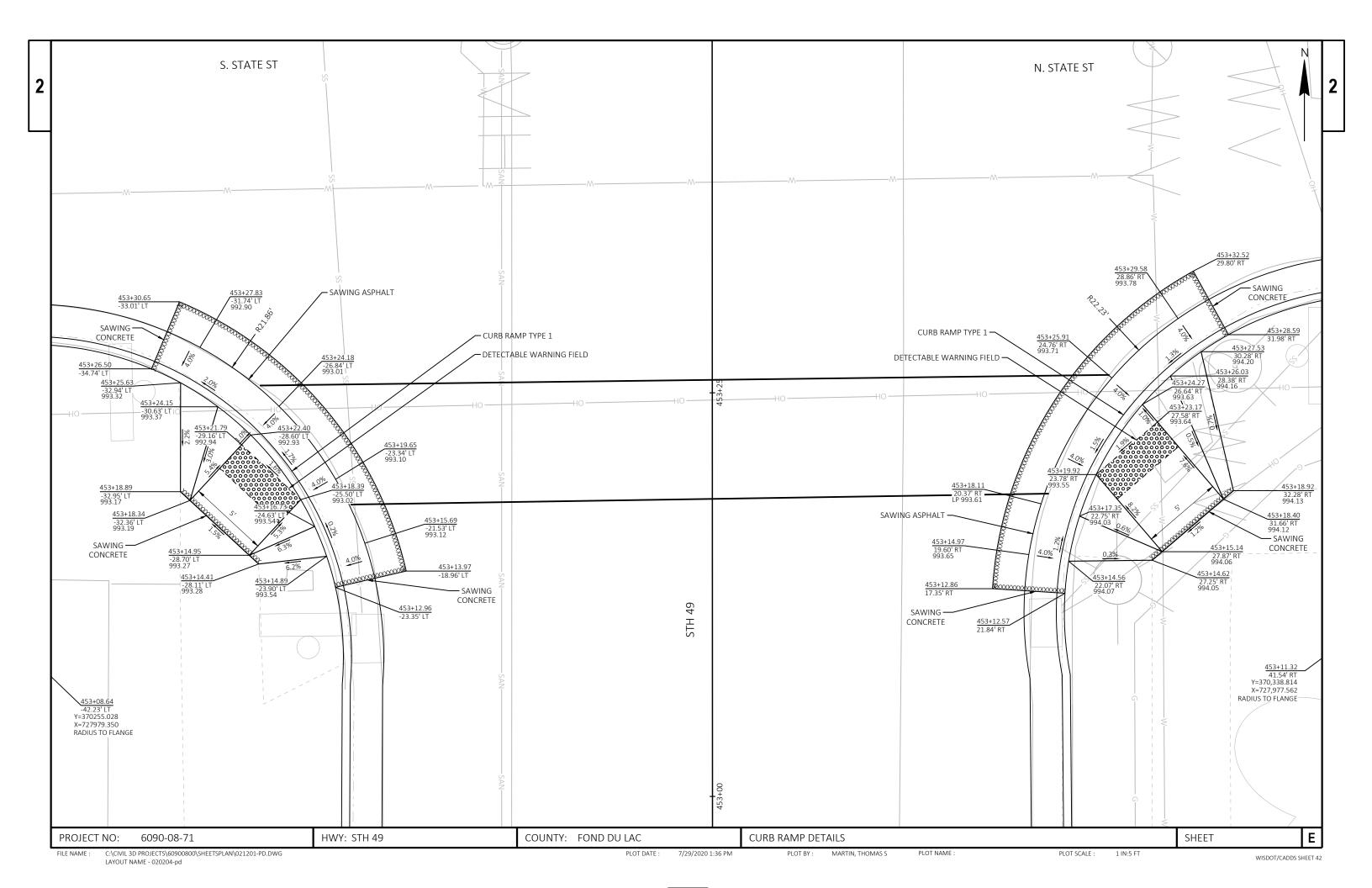
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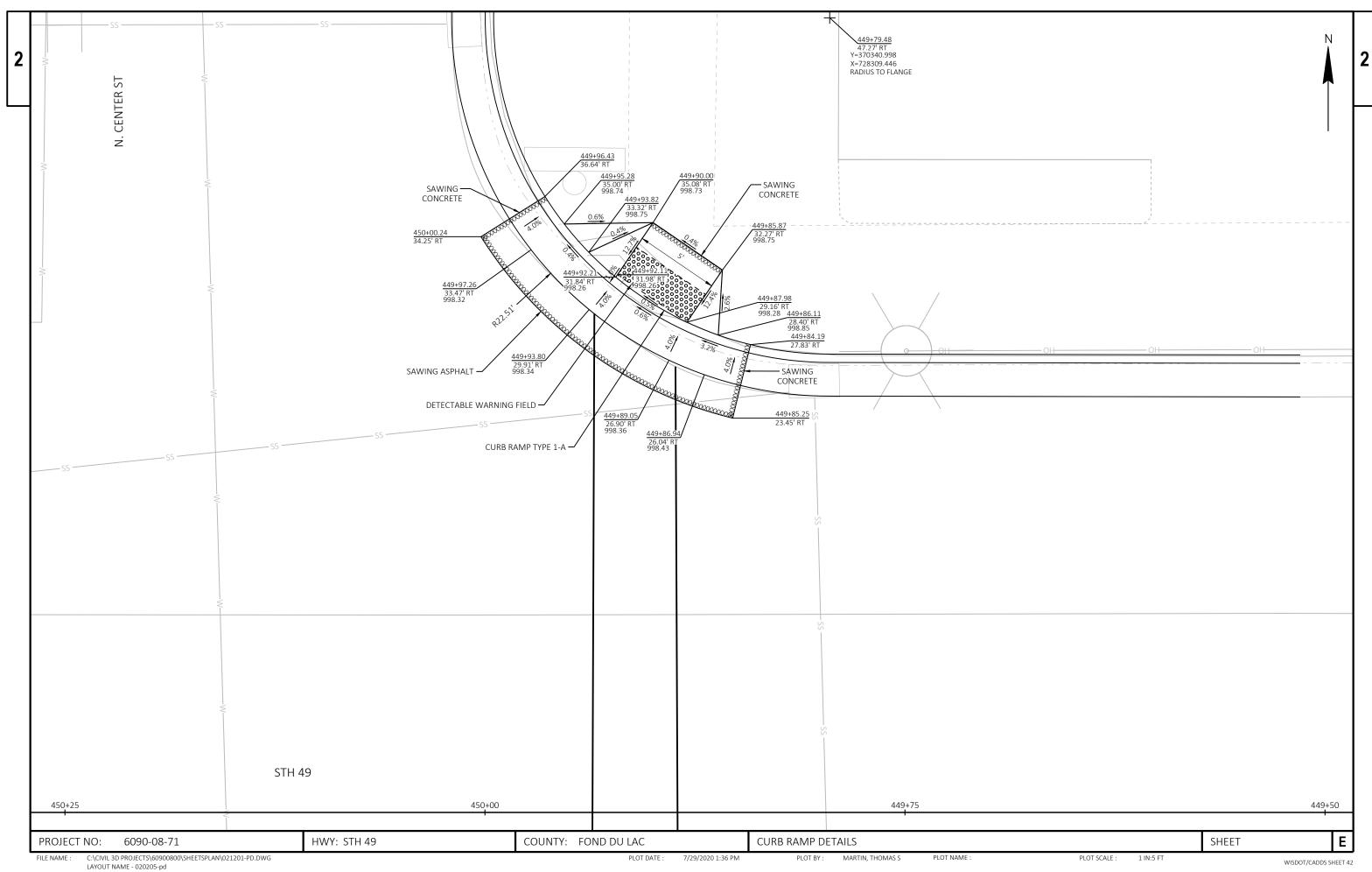


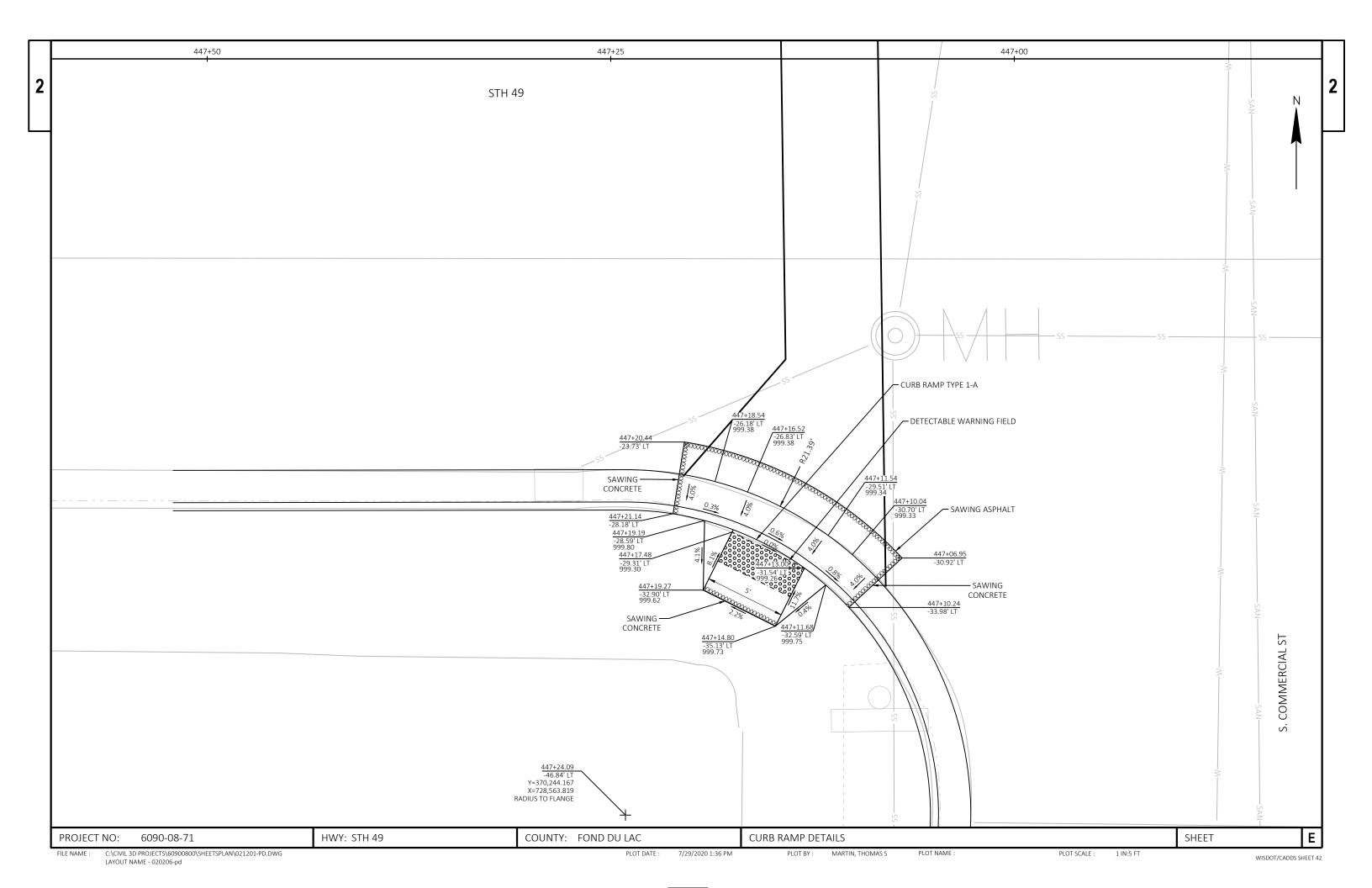
WISDOT/CADDS SHEET 42

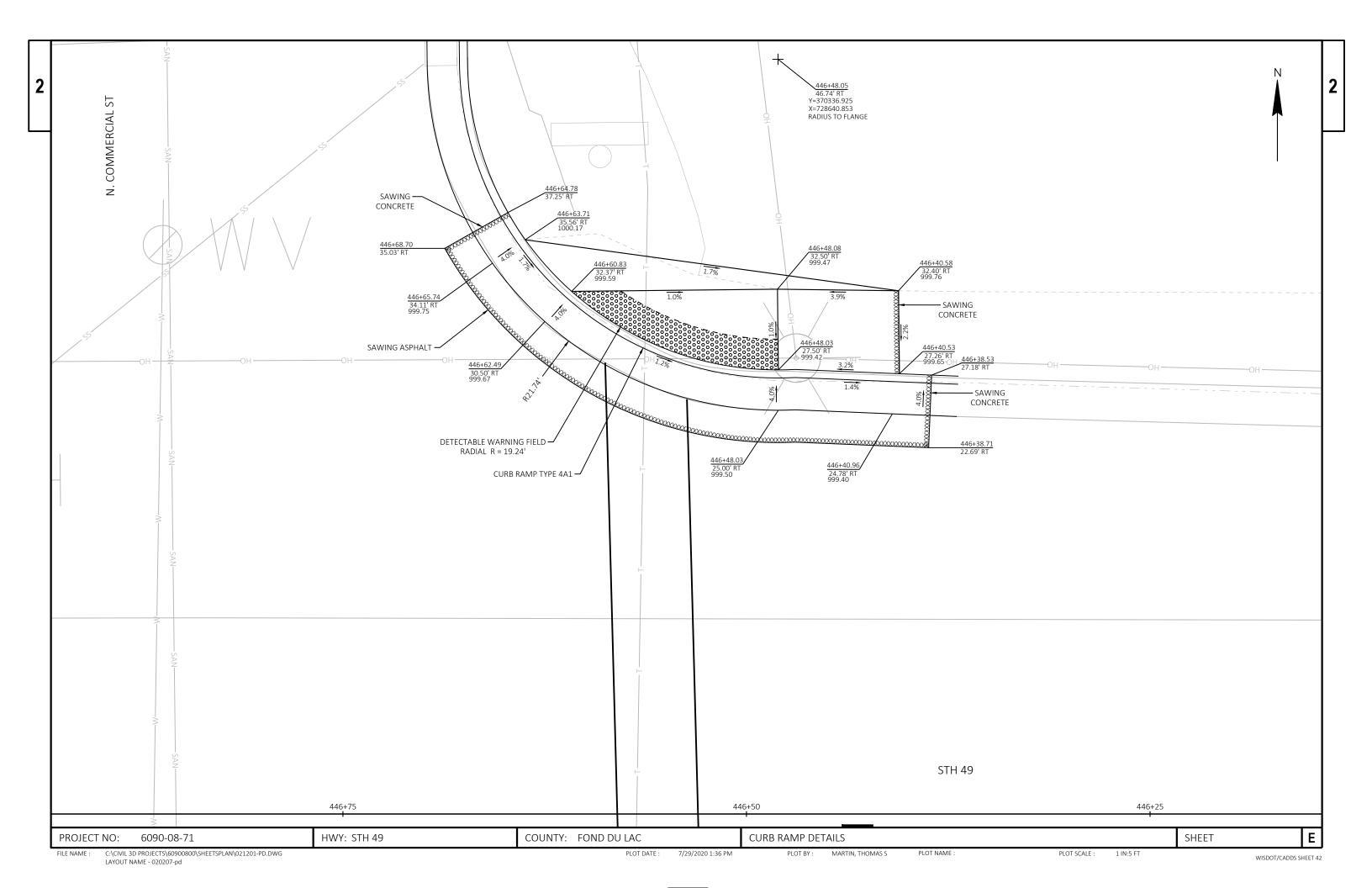


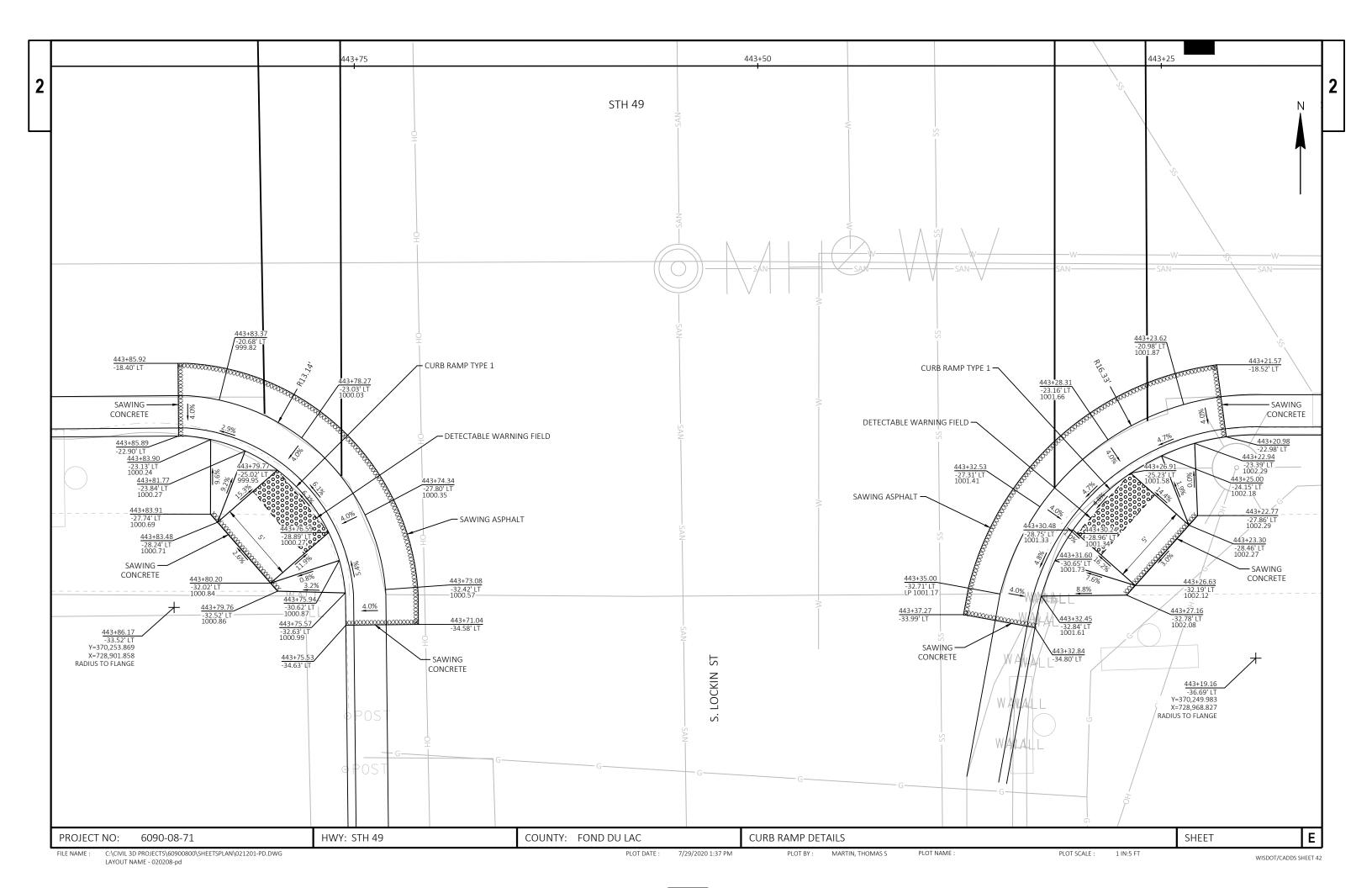
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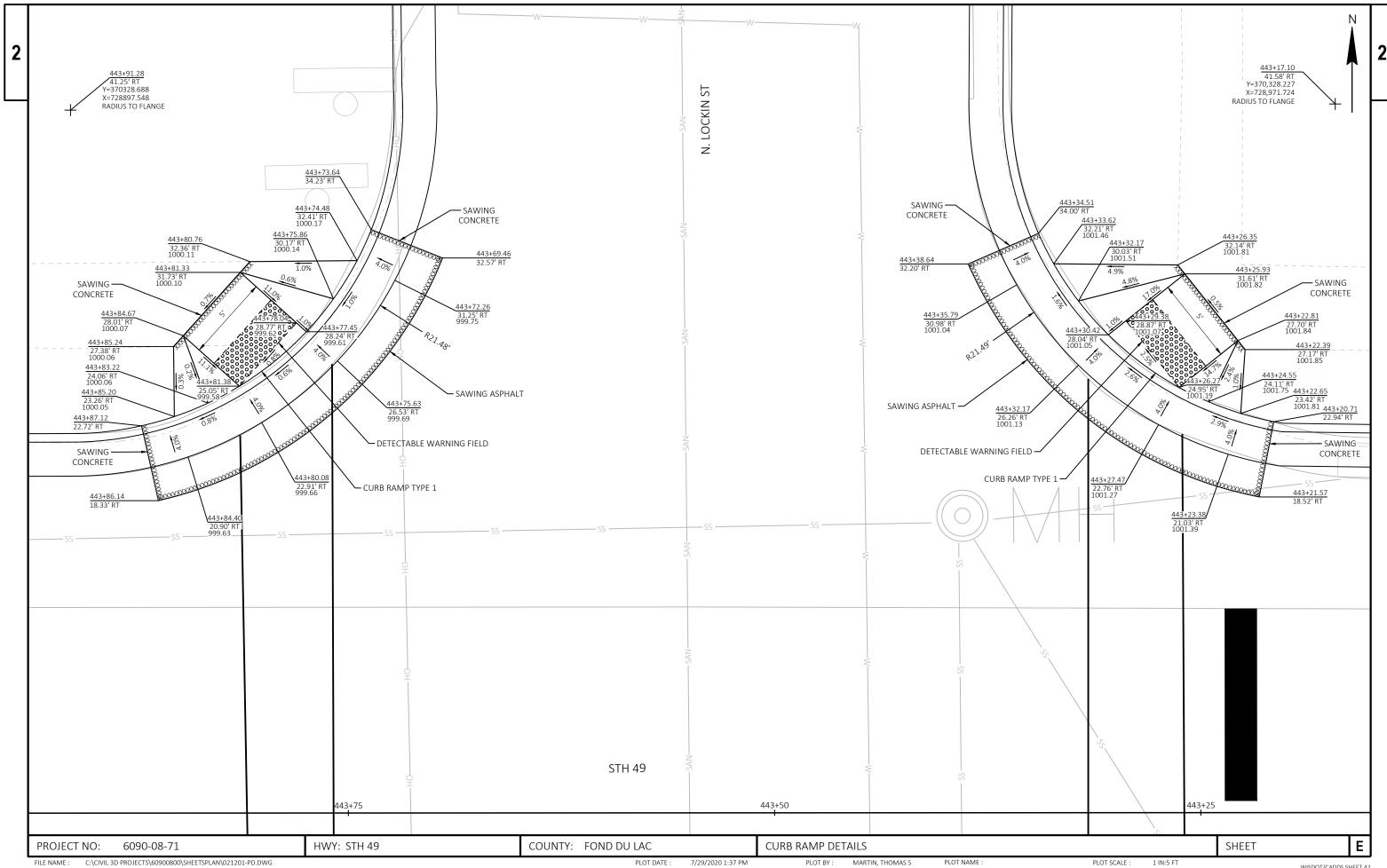


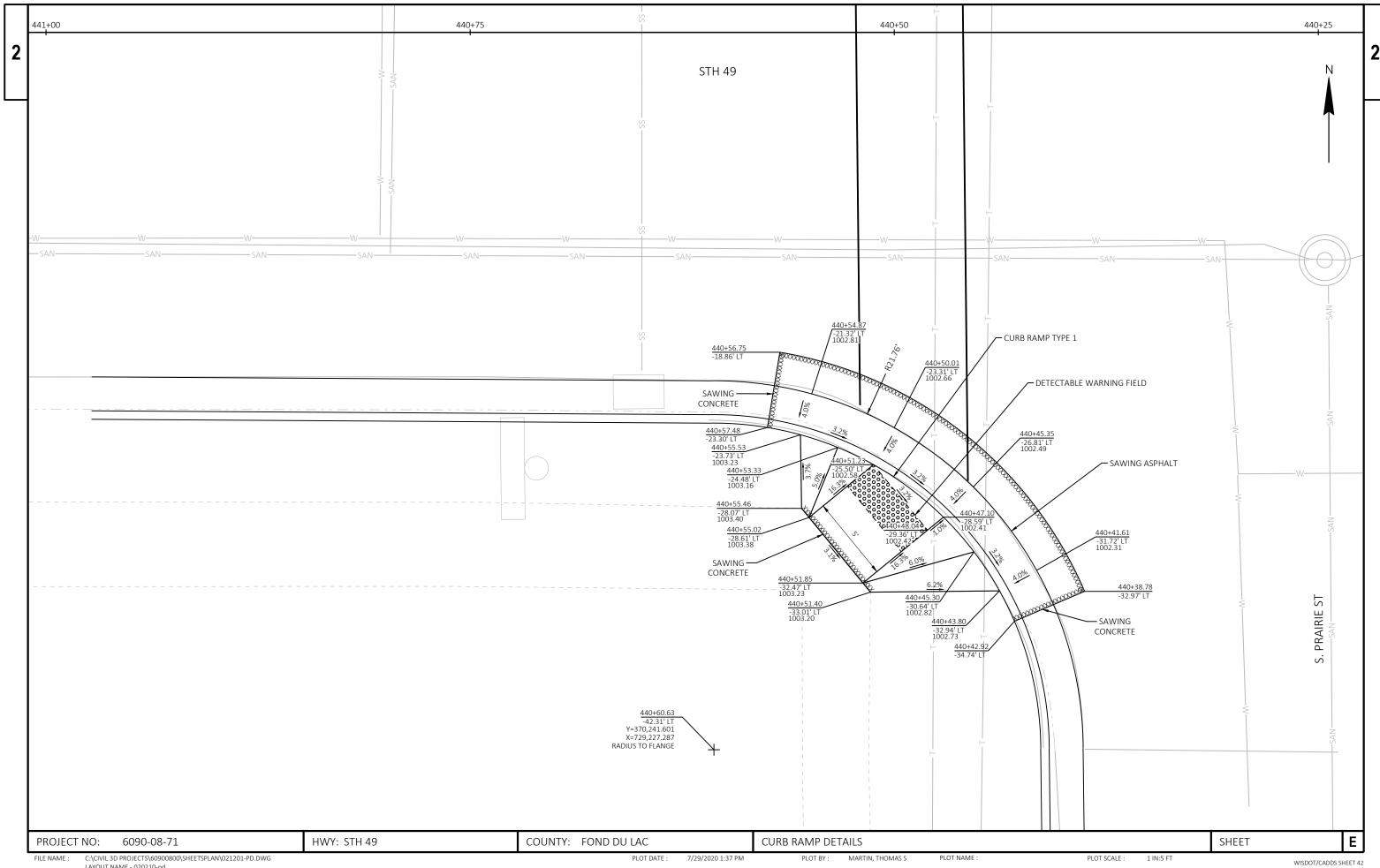




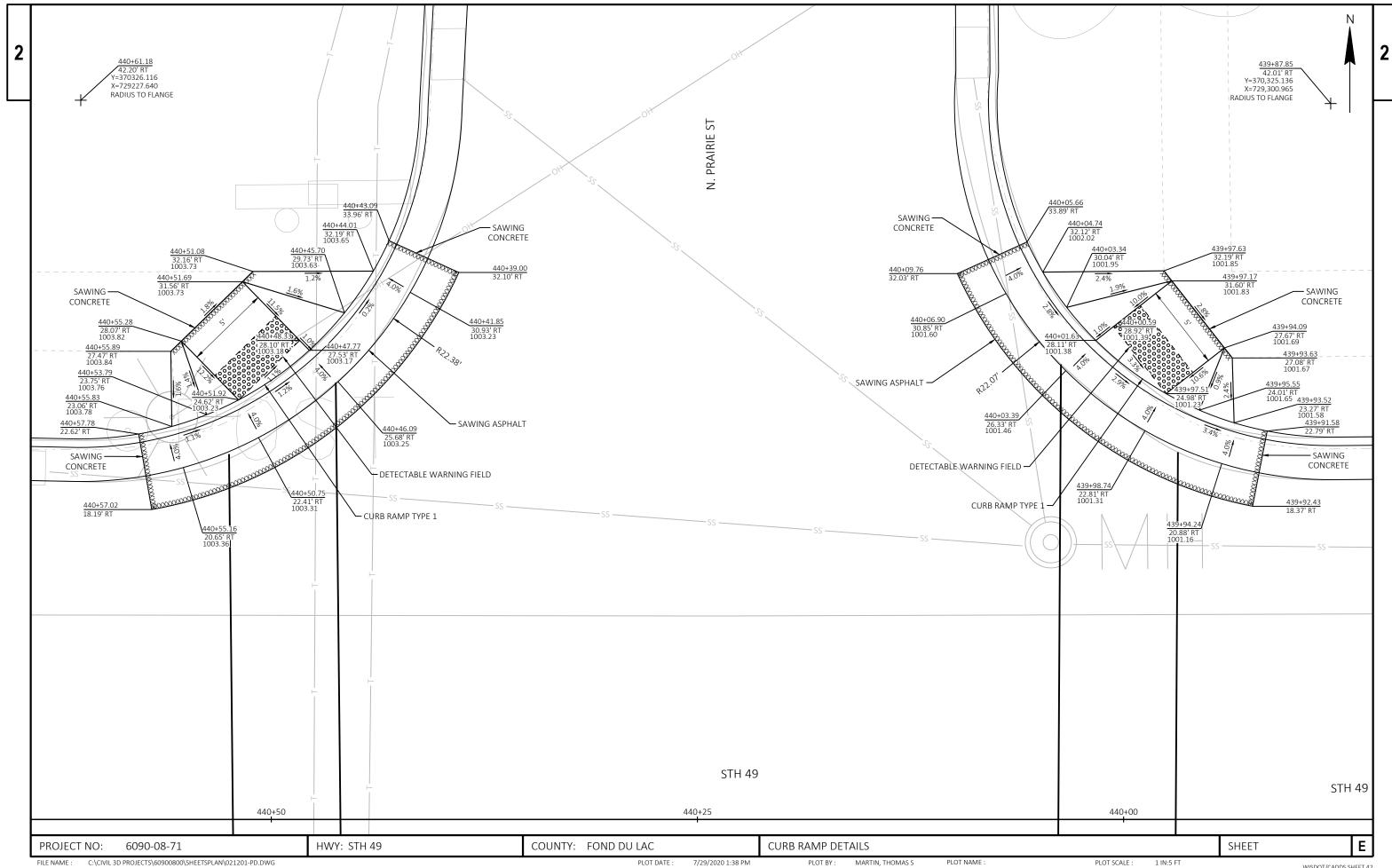






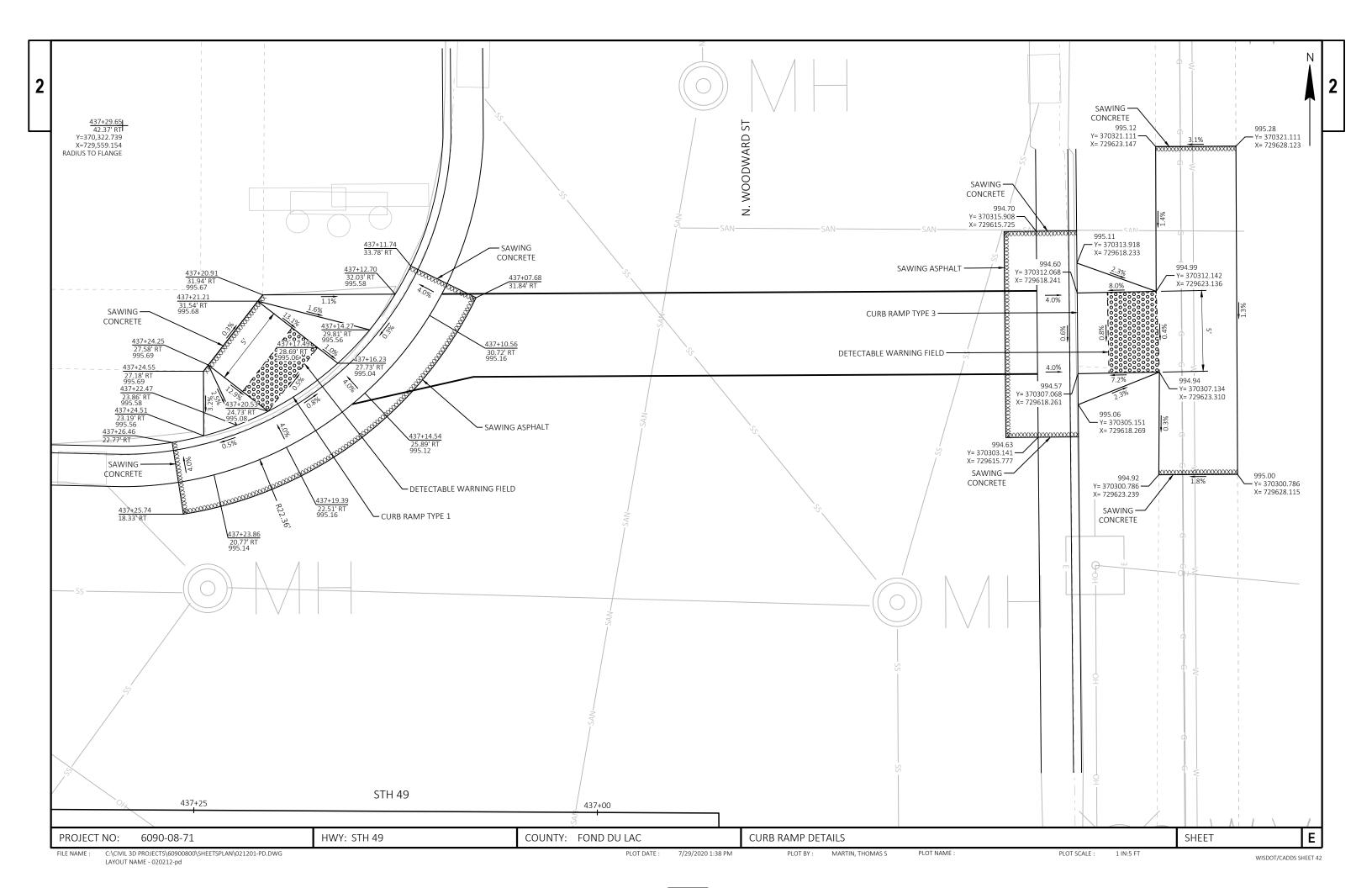


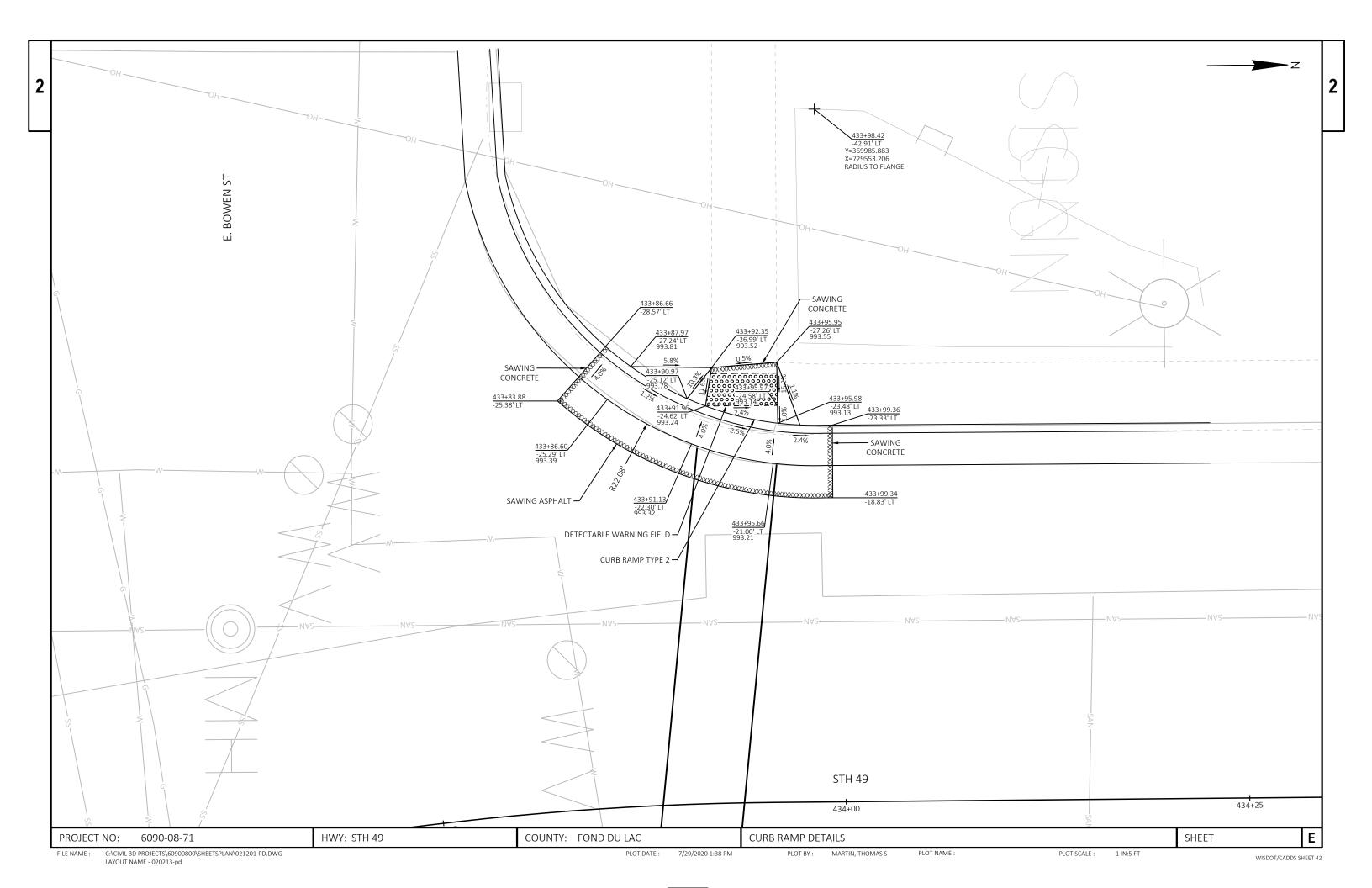
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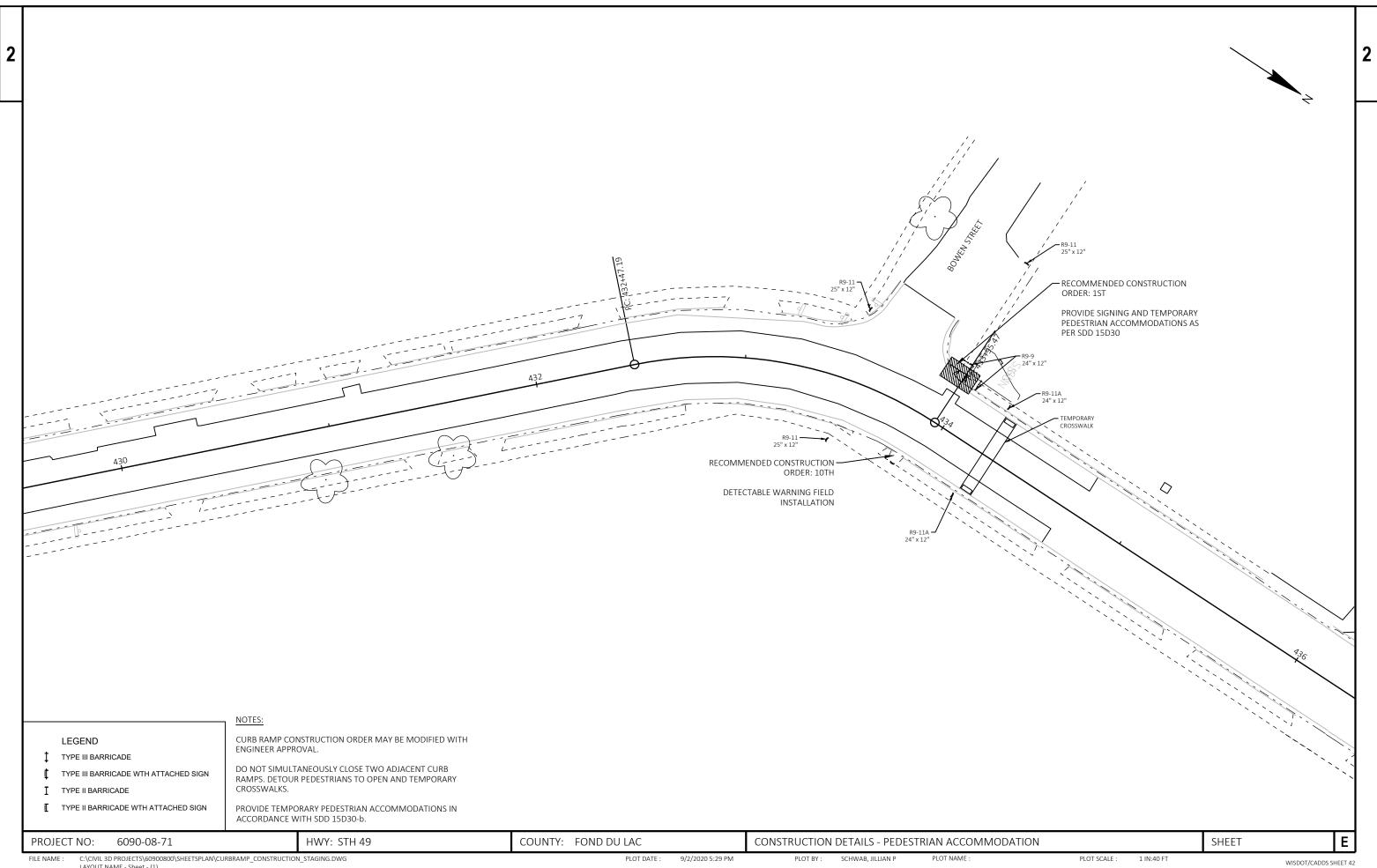


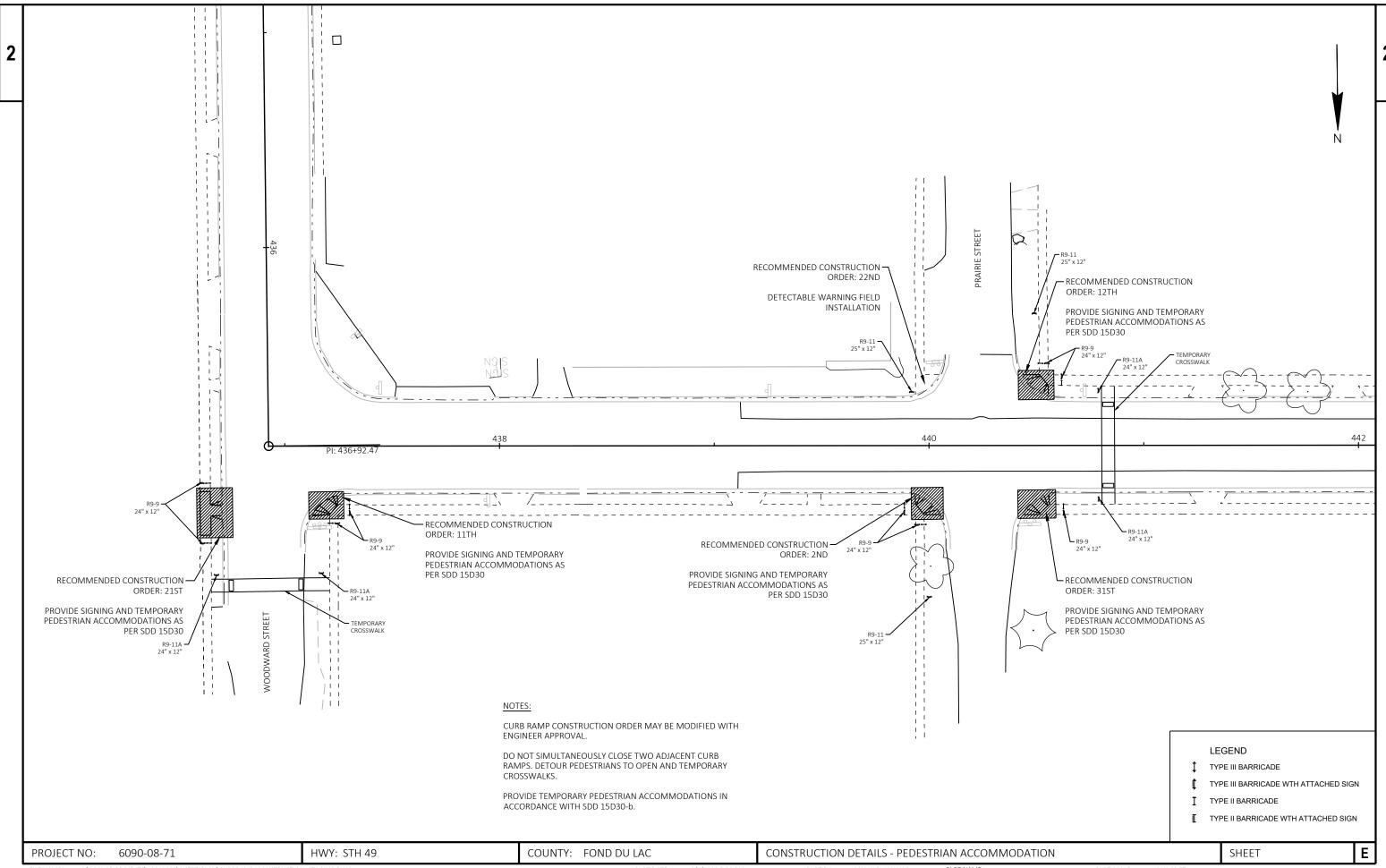
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WISDOT/CADDS SHEET 42

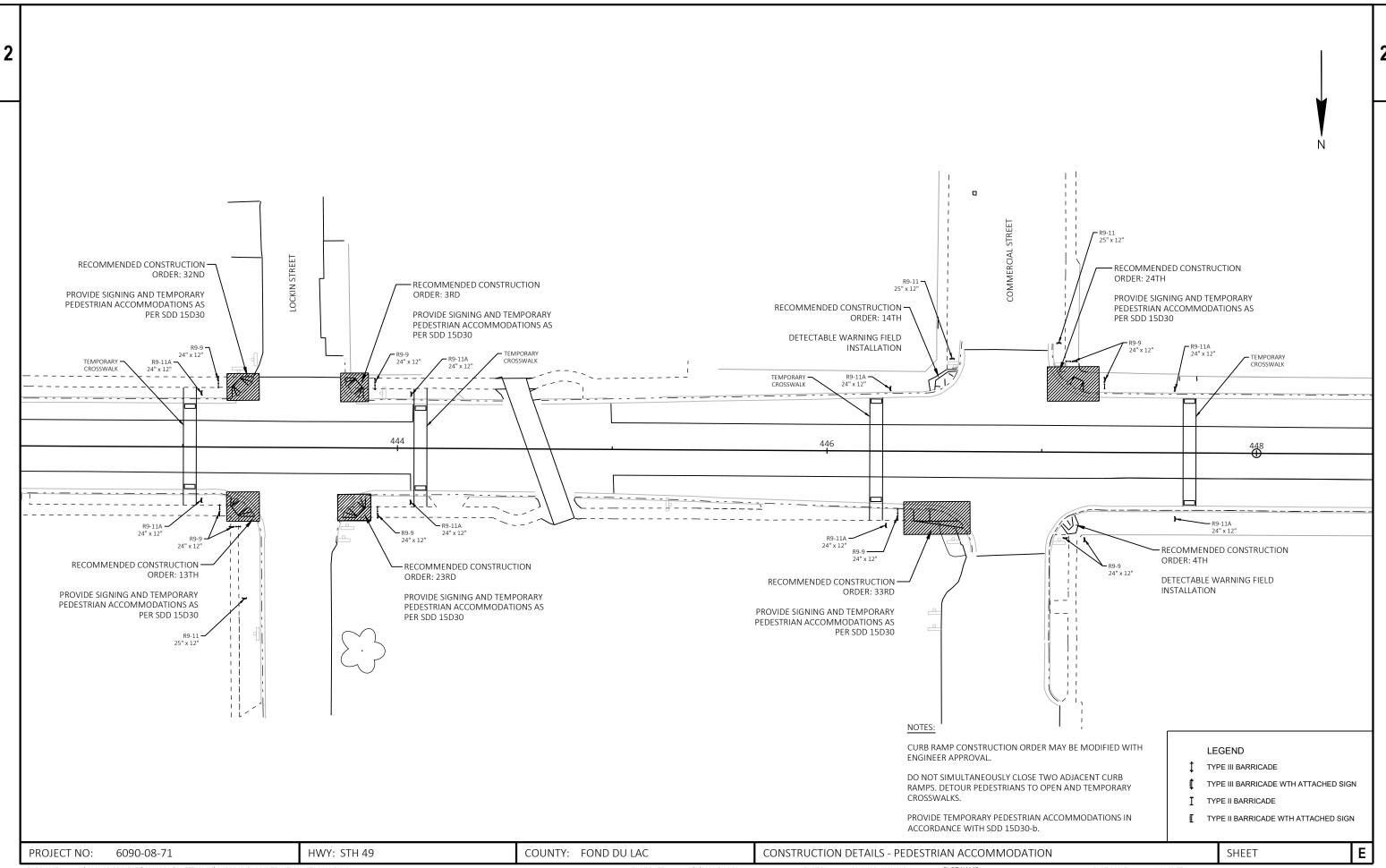




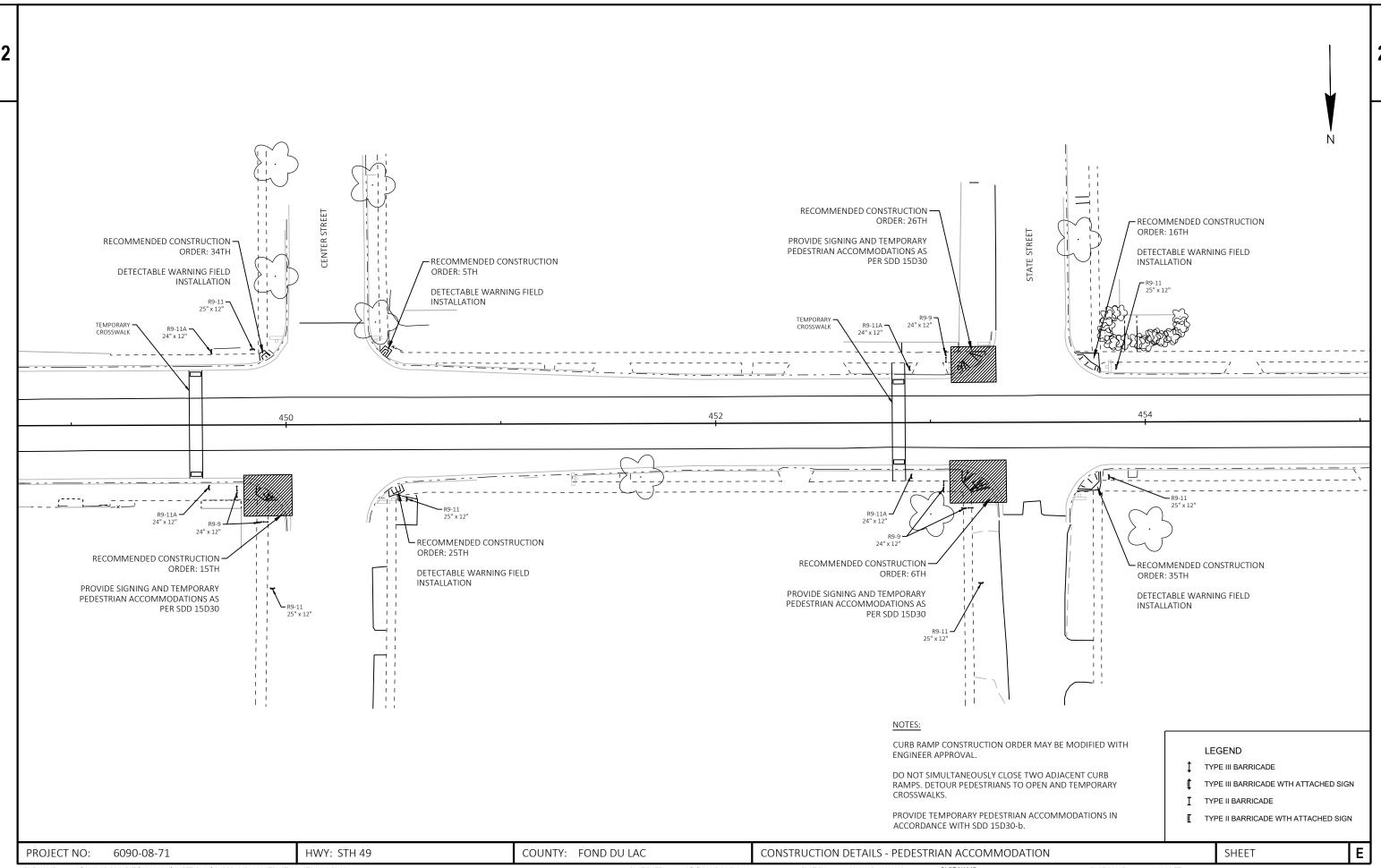




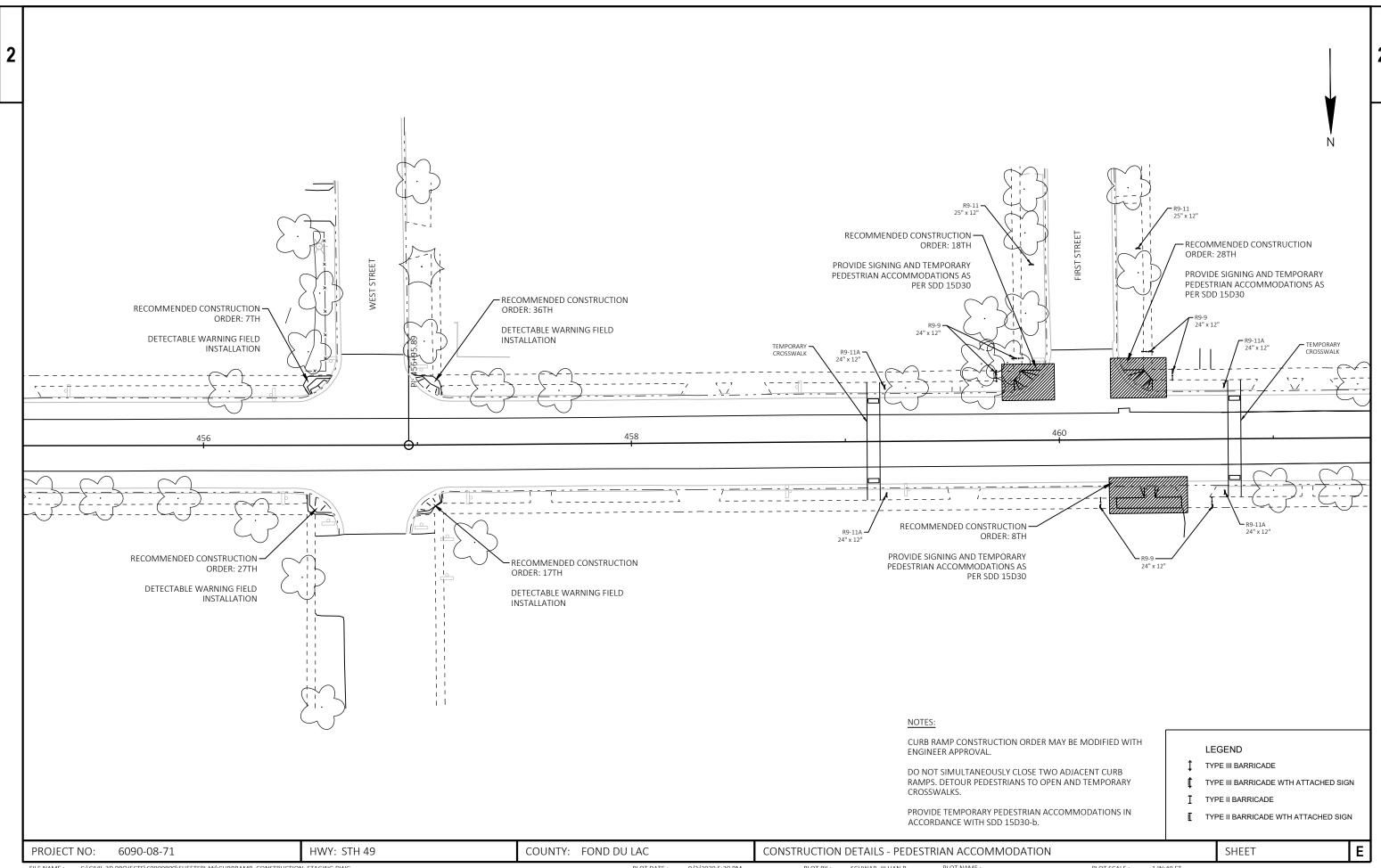
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FILE NAME: C\(\clinical CI\) CVICIVIL 3D PROJECTS\(\clinical CI\) PLOT ESTEETSPLAN\(\clinic CURBRAMP\)_CONSTRUCTION_STAGING.DWG PLOT DATE: 9/2/2020 5:29 PM PLOT BY: SCHWAB, JILLIAN P PLOT NAME: PLOT NAME: 1 in:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - Sheet - (3)

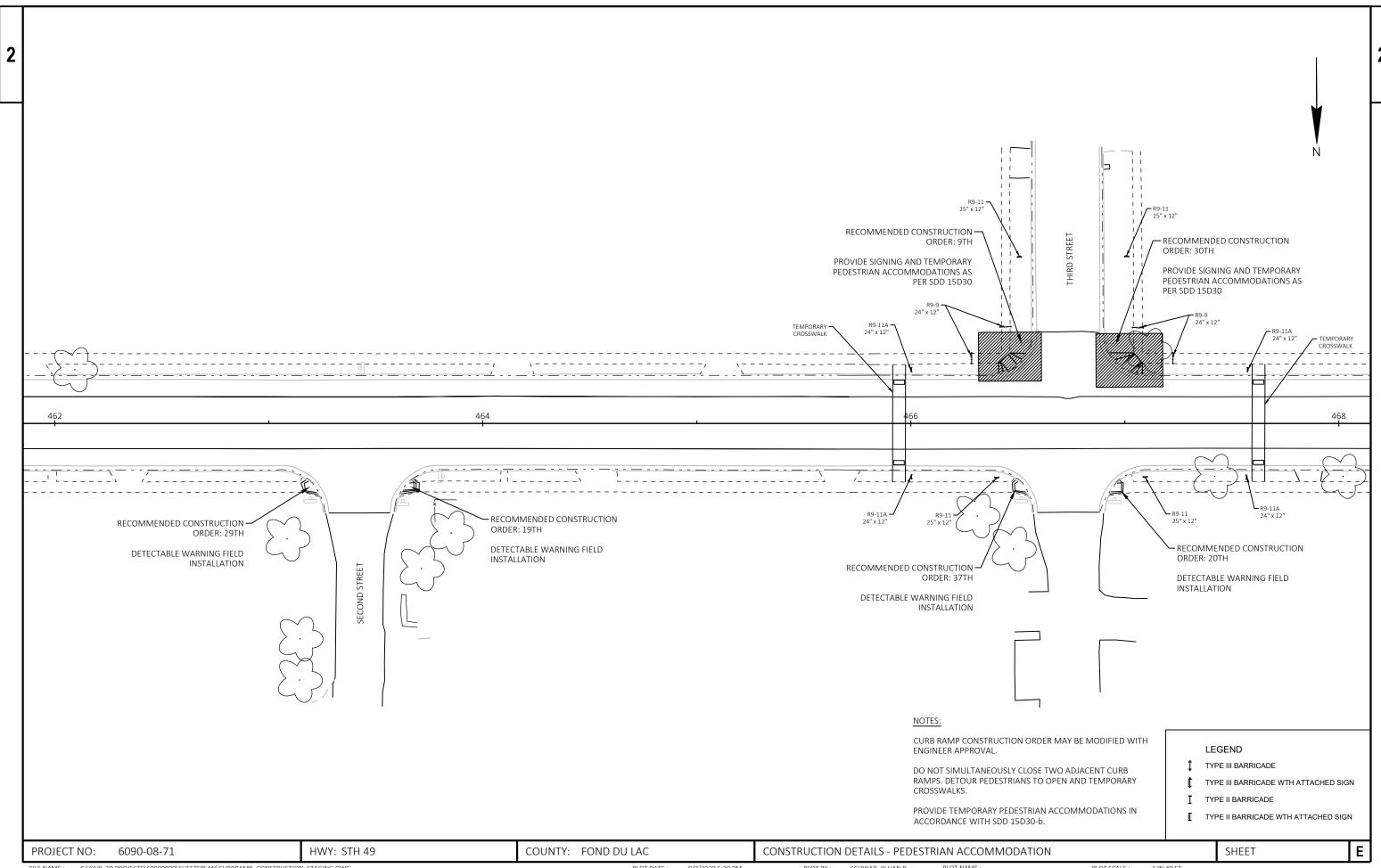


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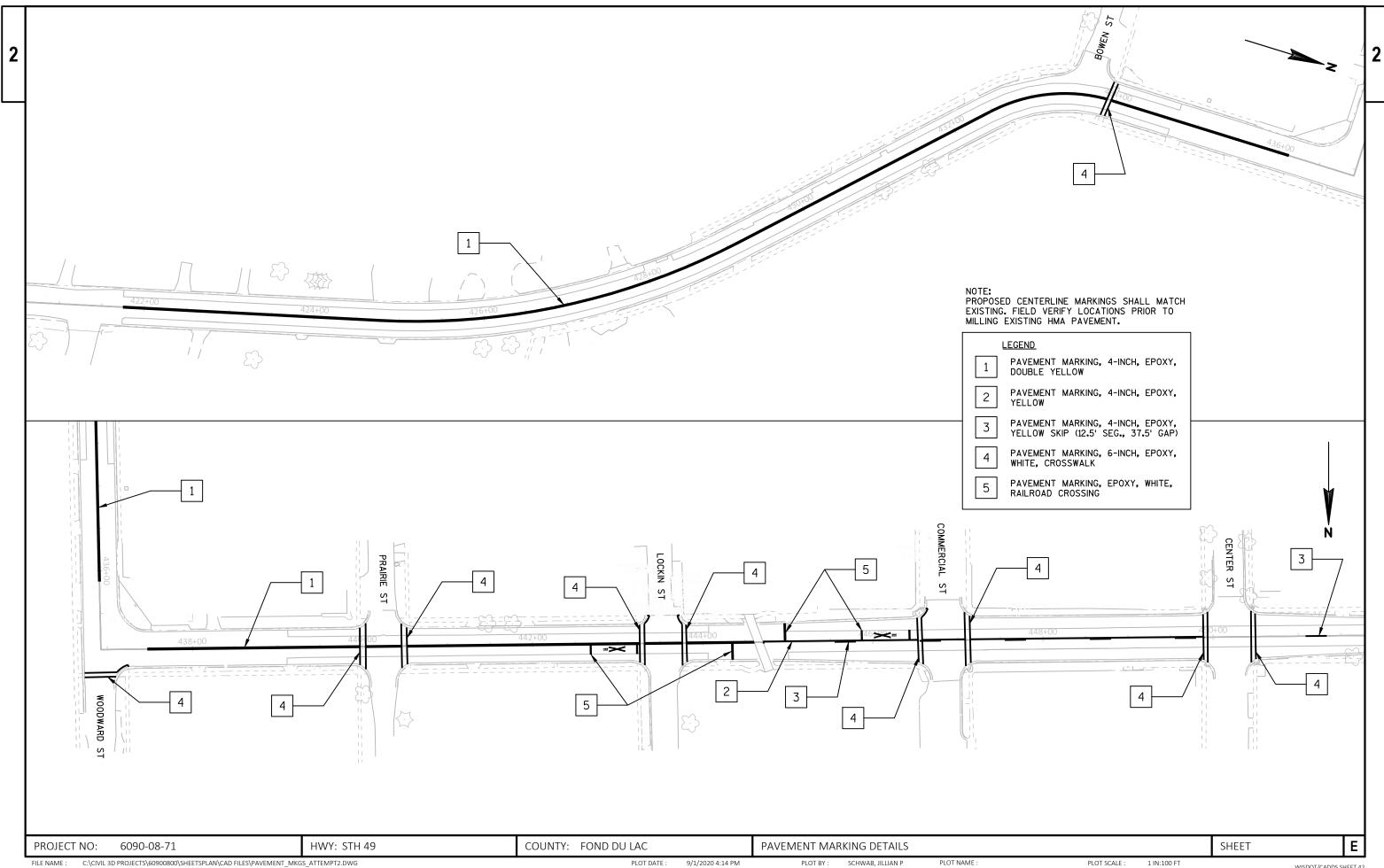


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LAYOUT NAME - Sheet - (5)



FILE NAME: C\CIVIL 3D PROJECTS\60900800\SHEETSPLAN\CURBRAMP_CONSTRUCTION_STAGING.DWG PLOT DATE: 9/2/2020 5:30 PM PLOT BY: SCHWAB, JILLIAN P PLOT NAME: PLOT NAME: 10:40 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - Sheet - (6)

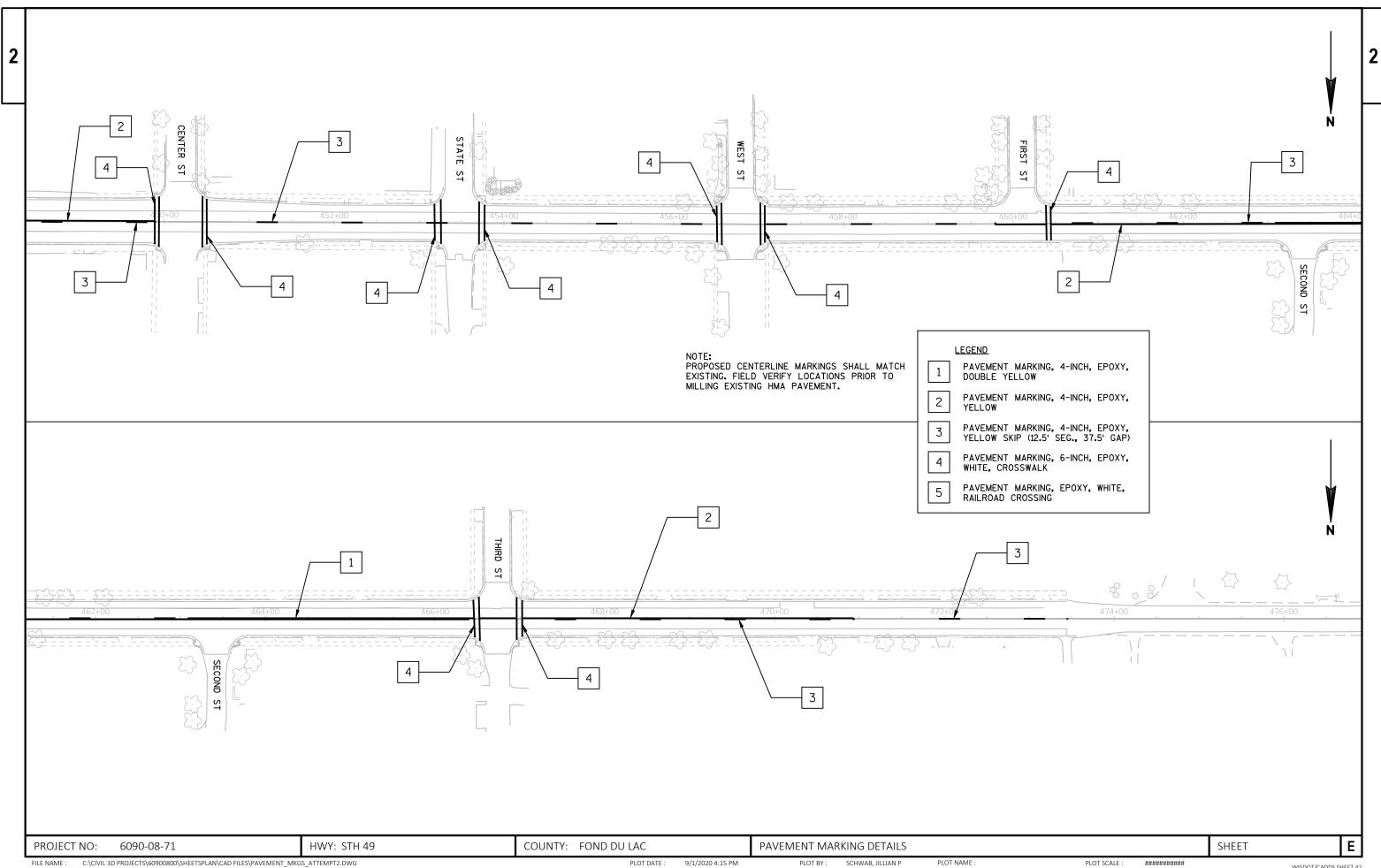


FILE NAME : C:\CIVIL 3D PROJECTS\60900800\SHEETSPLAN\CAD FILES\PAVEMENT_MKGS_ATTEMPT2.DWG LAYOUT NAME - 1

PLOT NAME :

1 IN:100 FT

WISDOT/CADDS SHEET 42



LAYOUT NAME - 2

PLOT SCALE :

					6090-08-71
				-	
Line	Item	Item Description	Unit	Total	Qty
0002	204.0115	Removing Asphaltic Surface Butt Joints	SY	38.000	38.000
0004	204.0120	Removing Asphaltic Surface Milling	SY	14,855.000	14,855.000
0006	204.0150	Removing Curb & Gutter	LF	335.000	335.000
8000	204.0155	Removing Concrete Sidewalk	SY	164.000	164.000
0010	213.0100	Finishing Roadway (project) 01. 6090-08-71	EACH	1.000	1.000
0012	416.0610	Drilled Tie Bars	EACH	164.000	164.000
0014	416.1710	Concrete Pavement Repair	SY	12.000	12.000
0016	455.0605	Tack Coat	GAL	1,040.000	1,040.000
0018	460.2000	Incentive Density HMA Pavement	DOL	1,160.000	1,160.000
0020	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,782.000	1,782.000
0022	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	337.000	337.000
0024	602.0410	Concrete Sidewalk 5-Inch	SF	1,498.000	1,498.000
0026	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	246.000	246.000
0028	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	226.000	226.000
0030	611.0603	Inlet Covers Type A-S	EACH	6.000	6.000
0032	611.0606	Inlet Covers Type B	EACH	1.000	1.000
0034	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6090-08-71	EACH	1.000	1.000
0036	619.1000	Mobilization	EACH	1.000	1.000
0038	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0040	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0042	628.2006	Erosion Mat Urban Class I Type A	SY	60.000	60.000
0044	628.7005	Inlet Protection Type A	EACH	38.000	38.000
0046	629.0205	Fertilizer Type A	CWT	1.000	1.000
0048	630.0130	Seeding Mixture No. 30	LB	2.000	2.000
0050	630.0500	Seed Water	MGAL	1.400	1.400
0052	642.5001	Field Office Type B	EACH	1.000	1.000
0054	643.0300	Traffic Control Drums	DAY	2,975.000	2,975.000
0056	643.0410	Traffic Control Barricades Type II	DAY	1,260.000	1,260.000
0058	643.0420	Traffic Control Barricades Type III	DAY	560.000	560.000
0060	643.0705	Traffic Control Warning Lights Type A	DAY	1,820.000	1,820.000
0062	643.0900	Traffic Control Signs	DAY	2,372.000	2,372.000
0064	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0066	643.5000	Traffic Control	EACH	1.000	1.000
0068	644.1601	Temporary Pedestrian Curb Ramp	DAY	280.000	280.000
0070	646.1020	Marking Line Epoxy 4-Inch	LF	6,941.000	6,941.000
0070	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000
0072	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	807.000	807.000
0074	646.9100	Marking Removal Line 8-Inch	LF	32.000	32.000
0078	649.0105	Temporary Marking Line Paint 4-Inch	LF	500.000	500.000
0070	049.0103	remporary Marking Line Paint 4-inch	LF	000.000	500.000

Estimate Of Quantities Page 2

					6090-08-71
Line	Item	Item Description	Unit	Total	Qty
0800	649.0205	Temporary Marking Line Paint 8-Inch	LF	1,600.000	1,600.000
0082	650.8000	Construction Staking Resurfacing Reference	LF	5,158.000	5,158.000
0084	650.9000	Construction Staking Curb Ramps	EACH	37.000	37.000
0086	650.9910	Construction Staking Supplemental Control (project) 01. 6090-08-71	LS	1.000	1.000
8800	690.0150	Sawing Asphalt	LF	168.000	168.000
0090	690.0250	Sawing Concrete	LF	479.000	479.000
0092	740.0440	Incentive IRI Ride	DOL	7,680.000	7,680.000

3	

REMOVALS

20	4.0120	204.0	150	204.015	5
RE	MOVING	REMOV	/ING	REMOVING	G
ASI	PHALTIC	CURB	AND	CONCRETI	Ε
SI	JRFACE	GUTT	ER	SIDEWALI	K
NA.	TLLTNC				

SAWING CONCRETE

					SURFACE MILLING	GUTTER	SIDEWALK
CATEGORY	STATION	T0	STATION	LOCATION	SY	LF	SY
0010	421+75	-	444+60	LT & RT	7136	-	-
0010 0010	444+71 424+97	-	473+44 425+03	LT & RT LT	7719 -	- 6	-
0010	433+83	_	433+97	LT & RT	_	7	3
0010	436+92	_	437+25	RT	-	23	11
0010	439+94	-	440+56	LT & RT	-	47	22
0010	443+23	-	443+84	LT & RT	-	58	24
0010	446+48	-	447+21	LT & RT	-	31	16
0010	449+87	_	450+56	LT & RT	_	29	6
0010	453+15	-	453+81	LT & RT	-	48	24
0010	456+49	-	457+12	LT & RT	-	-	10
0010	459+79	-	460+47	LT & RT	-	50	22
0010	463+16	-	463+68	LT & RT	-	-	4
0010	466+41	-	467+08	LT & RT	-	36	22
				TOTAL 0010	14855	335	164

CATEGORY	STATION	то	STATION	LOCATION	690.0250 LF
0010	424+97	_	425+03	LT	5
0010	433+83	_	433+97	RT & LT	19
0010	436+92	_	437+25	RT	5
0010	439+94	_	440+56	RT & LT	29
0010	443+23	_	443+84	RT & LT	18
0010	446+48	_	447+21	RT & LT	55
0010	449+77	_	450+56	RT & LT	55
0010	453+15	-	453+81	RT & LT	77
0010	456+49	-	457+12	RT & LT	106
0010	459+79	_	460+47	RT & LT	20
0010	463+16	_	463+68	RT & LT	42
0010	466+41	-	467+08	RT & LT	48
				TOTAL 0010	479

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	STATION	LOCATION	204.0115 SY
0010	421+75	LT & RT	5
0010	436+92	RT	8
0010	444+60	LT & RT	10
0010	444+71	LT & RT	10
0010	473+44	LT & RT	5
		TOTAL 0010	38

HMA PAVING

					455.0605 TACK COAT	460.5224 HMA PAVEMENT 4 LT 58-28 S
CATEGORY	STATION	то	STATION	LOCATION	GAL	TON
0010	421+75	_	444+60	LT & RT	500	856
0010	444+71	-	473+44	LT & RT	540	926
				TOTAL 0010	1040	1782

PROJECT NO: 6090-08-71 HWY: STH 49 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES SHEET: **E**

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

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					CONCR	RETE				
					416.0610	416.1710	601.0409	602.0410	602.0505	602.0605
					DRILLED	CONCRETE	CONCRETE	SIDEWALK	CURB RAMP	CURB RAMP
					TIE BARS	PAVEMENT	CURB & GUTTER	5-INCH	DETECTABLE	DETECTABLE
						REPAIR	30-INCH		WARNING FIELD	WARNING FIELD
							TYPE A		YELLOW	RADIAL YELLOW
CATEGORY	STATION	ТО	STATION	LOCATION	EACH	SY	LF	SF	SF	SF
0010	424+97	_	425+03	LT	9	2	6	_	_	_
0010	433+83	_	433+97	RT & LT	5	_	7	30	19	_
0010	436+92	_	437+25	RT	10	_	25	97	20	_
0010	439+94	-	440+56	RT & LT	15	-	47	200	40	_
0010	443+23	-	443+84	RT & LT	20	-	58	212	40	-
0010	446+48	-	447+21	RT & LT	10	-	31	147	24	48
0010	449+77	-	450+56	RT & LT	32	5	29	57	33	-
0010	453+15	-	453+81	RT & LT	28	3	48	225	20	28
0010	456+49	-	457+12	RT & LT	-	-	-	97	-	89
0010	459+79	-	460+47	RT & LT	24	2	50	196	30	-
0010	463+16	-	463+68	RT & LT	-	-	-	35	-	32
0010	466+41	-	467+08	RT & LT	11	-	36	202	20	29
				TOTAL 0010	164	12	337	1498	246	226

		DRAINAGE		
			611.0603	611.0606
			INLET	INLET
			COVERS	COVERS
			TYPE A-S	TYPE B
CATEGORY	STATION	LOCATION	EACH	EACH
0010	425+01	LT	1	-
0010	449+80	RT	1	-
0010	450+02	RT	1	-
0010	450+36	RT	-	1
0010	453+34	RT	1	
0010	453+63	RT	1	-
0010	460+25	LT	1	-
		TOTAL 0010	6	1

PROJECT NO: 6090-08-71 HWY: STH 49 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES SHEET: **E**

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

				ERUSION CO.	628.2006 EROSION MAT URBAN CLASS I TYPE A	628.7005 INLET PROTECTION TYPE A	629.0205 FERTILIZER TYPE A	630.0130 SEEDING MIXTURE NO. 30
CATEGORY	STATION	то	STATION	LOCATION	SY	EACH	CWT	LB
0010	421+75	-	473+44	LT & RT	60	38	1	2
				TOTAL 0010	60	38	1	2

						TRAF	FIC CONTROL					
					643.0300	643.0410	643.0420	643.0705	643.0900	643.1050	644.1601	
					TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TRAFFIC	TEMPORARY	
					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	PEDEDSTRIAN	
					DRUMS	BARRICADES	BARRICADES	WARNING	SIGNS	SIGNS	CURB RAMP	
						TYPE II	TYPE III	LIGHTS		PCMS		
								TYPE A				
CATEGORY	STATION	TO	STATION	LOCATION	DAY	DAY	DAY	DAY	DAY	DAY	DAY	REMARKS
0010	416+75	-	478+44	STH 49 MAINLINE	875				552	14		
0010	433+83	-	433+97	BOWEN STREET	105	63	28	91	91		14	CURB RAMP RECONSTRUCTION
0010	436+92	-	437+25	WOODWARD STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
0010	439+94	-	440+56	PRAIRIE STREET	315	189	84	273	273		42	CURB RAMP RECONSTRUCTION
0010	443+23	-	443+84	LOCKIN STREET	420	252	112	364	364		56	CURB RAMP RECONSTRUCTION
0010	446+48	-	447+21	COMMERCIAL STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
0010	449+77	-	450+56	CENTER STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
0010	453+15	-	453+81	STATE STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
0010	459+79	-	460+47	FIRST STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
0010	466+41	-	467+08	THIRD STREET	210	126	56	182	182		28	CURB RAMP RECONSTRUCTION
				TOTAL 0010	2975	1260	560	1820	2372	14	280	

MISCELLANEOUS QUANTITIES

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

COUNTY: FOND DU LAC

HWY: STH 49

PROJECT NO: 6090-08-71

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						PAVEMENT MARK	ING				
					646.1020	646.5320	646.7420	646.9100	649.0105	649.0205	
					MARKING	MARKING	MARKING	MARKING	TEMPORARY	TEMPORARY	
					LINE EPOXY	RAILROAD	CROSSWALK	REMOVAL	MARKING	MARKING	
					4-INCH	CROSSINGS	EPOXY	LINE 8-INCH	LINE PAINT	LINE PAINT	
						EPOXY	TRANSVERSE		4-INCH	8-INCH	
							LINE 6-INCH				
CATEGORY	STATION	T0	STATION	LOCATION	LF	EACH	LF	LF	LF	LF	REMARKS
0010	421+75	_	436+13	LT & RT	1776	_	_	_	148		
0010	437+47	-	444+61	LT & RT	1380	_	_	-	68		
0010	444+71	_	473+44	LT & RT	3785	_	_	_	284		
0010	421+75	_	444+61	RT	_	1	_	-	_		
0010	444+71	-	473+44	LT	_	1	_	-	-		
0010	433+43	-	433+97	LT & RT	-	-	41	32	-	80	BOWEN
0010	436+92	-	437+25	LT & RT	-	-	39	-	-	160	WOODWARD
0010	439+94	-	440+56	LT & RT	-	-	94	-	-	240	PRAIRIE
0010	443+23	-	443+84	LT & RT	-	-	94	-	-	320	LOCKIN
0010	446+48	-	447+21	LT & RT	-	-	112	-	-	160	COMMERCIAL
0010	449+87	-	450+56	LT & RT	-	-	109	-	-	160	CENTER
0010	453+15	-	453+81	LT & RT	-	-	92	-	-	160	STATE
0010	456+49	-	457+12	LT & RT	-	-	92	-	-		WEST
0010	459+79	-	460+47	LT & RT	_	-	41	-	_	160	FIRST
0010	466+41	-	467+08	LT & RT	-	-	93	-	-	160	THIRD
				TOTAL 0010	CO 41		907	22	500	1600	
				TOTAL 0010	6941	2	807	32	500	1600	

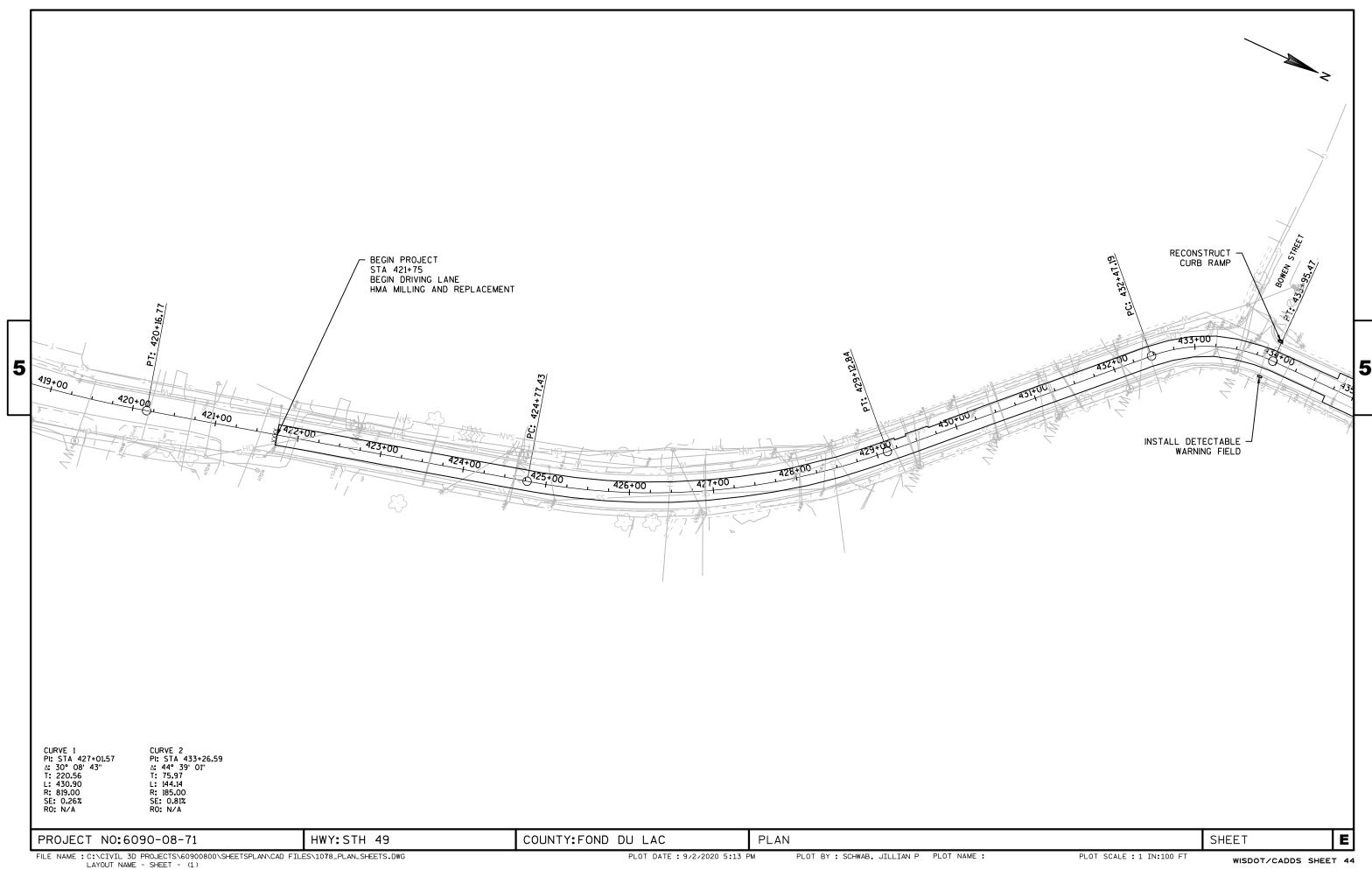
				<u>STAKING</u>	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE	650.9000 CONSTRUCTION STAKING CURB RAMPS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL
CATEGORY	STATION	то	STATION	LOCATION	LF	EACH	LS
0010 0010 0010	421+75 444+71 421+75	- - -	444+60 473+44 473+44	LT & RT LT & RT LT & RT	2285 2873 -	12 25 -	- - 1
				TOTAL 0010	5158	37	1

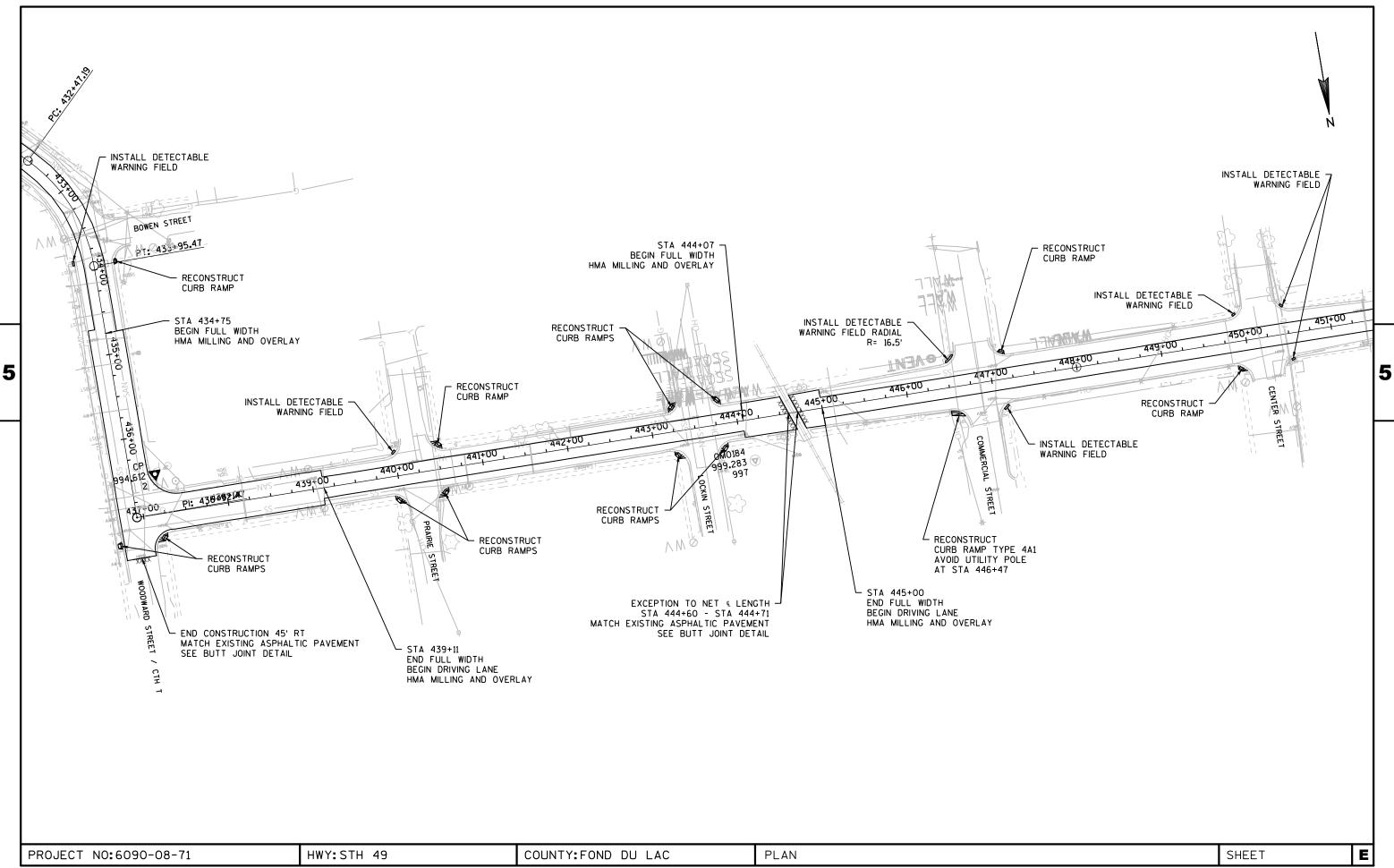
SAWING ASPHALT

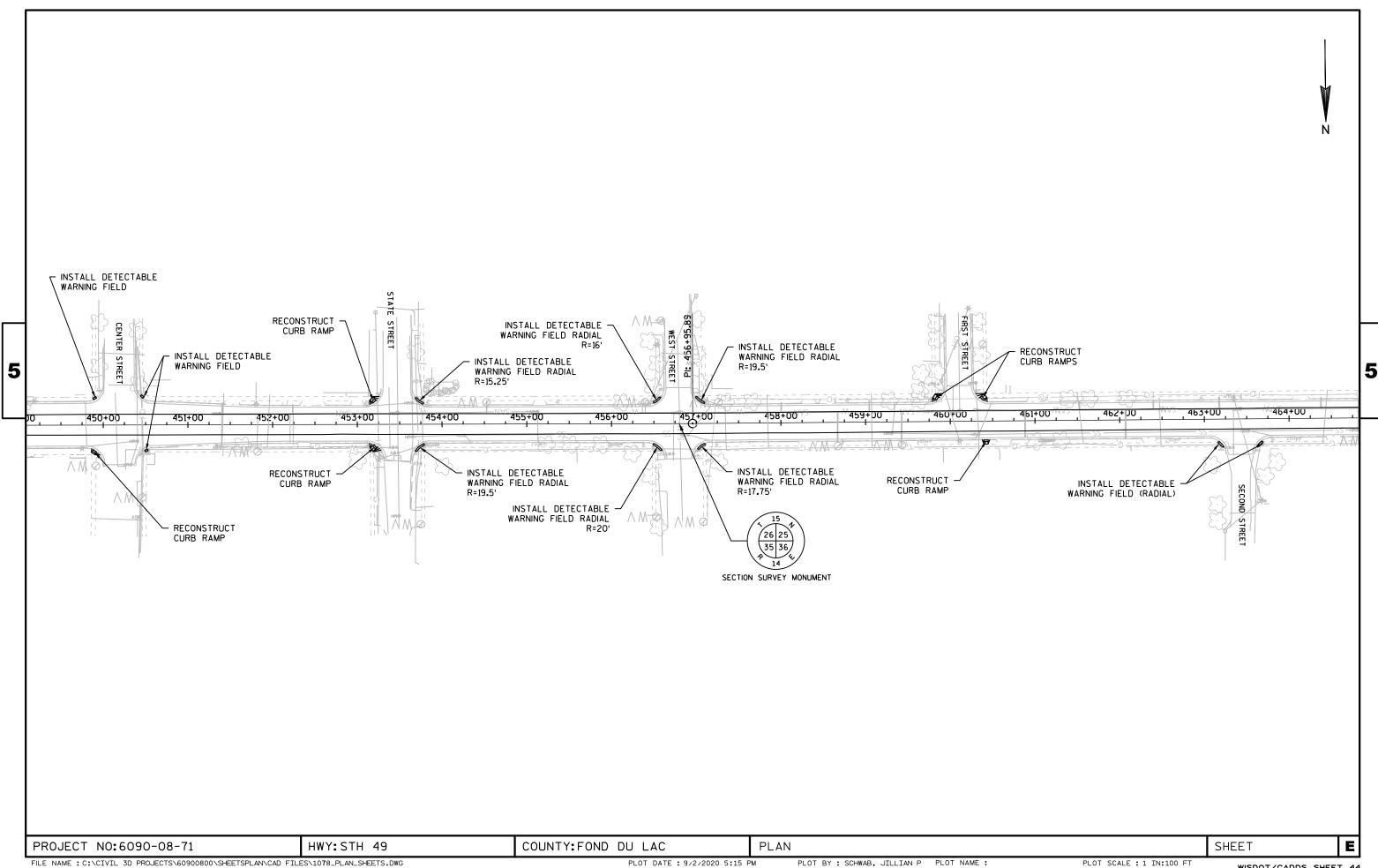
			690.0150
CATEGORY	STATION	LOCATION	LF
0010	421+75	LT & RT	24
0010	436+92	RT	34
0010	444+60	LT & RT	43
0010	444+71	LT & RT	43
0010	473+44	LT & RT	24
		TOTAL 0010	168

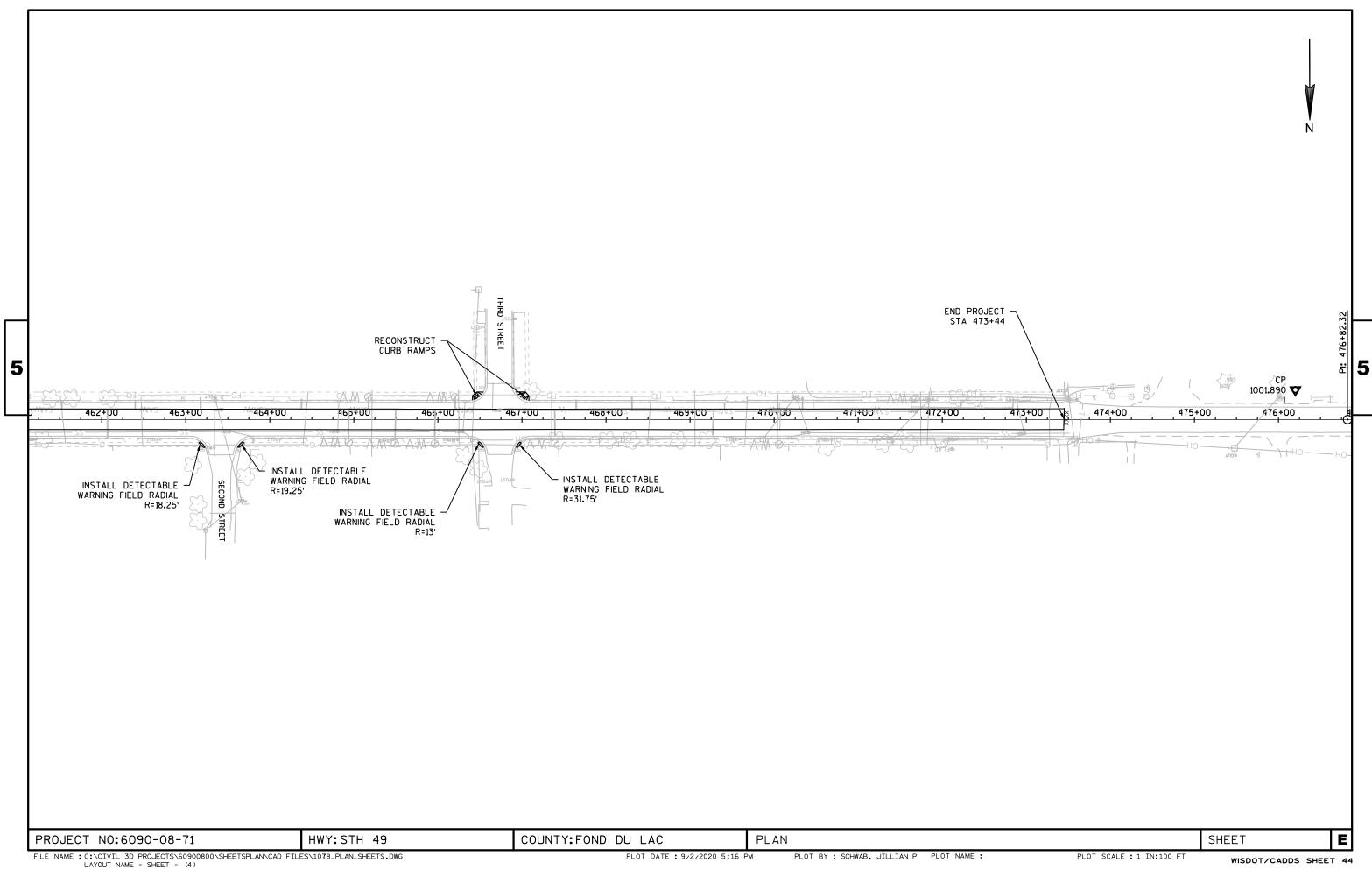
PROJECT NO: 6090-08-71 HWY: STH 49 COUNTY: FOND DU LAC MISCELLANEOUS QUANTITIES SHEET: **E**

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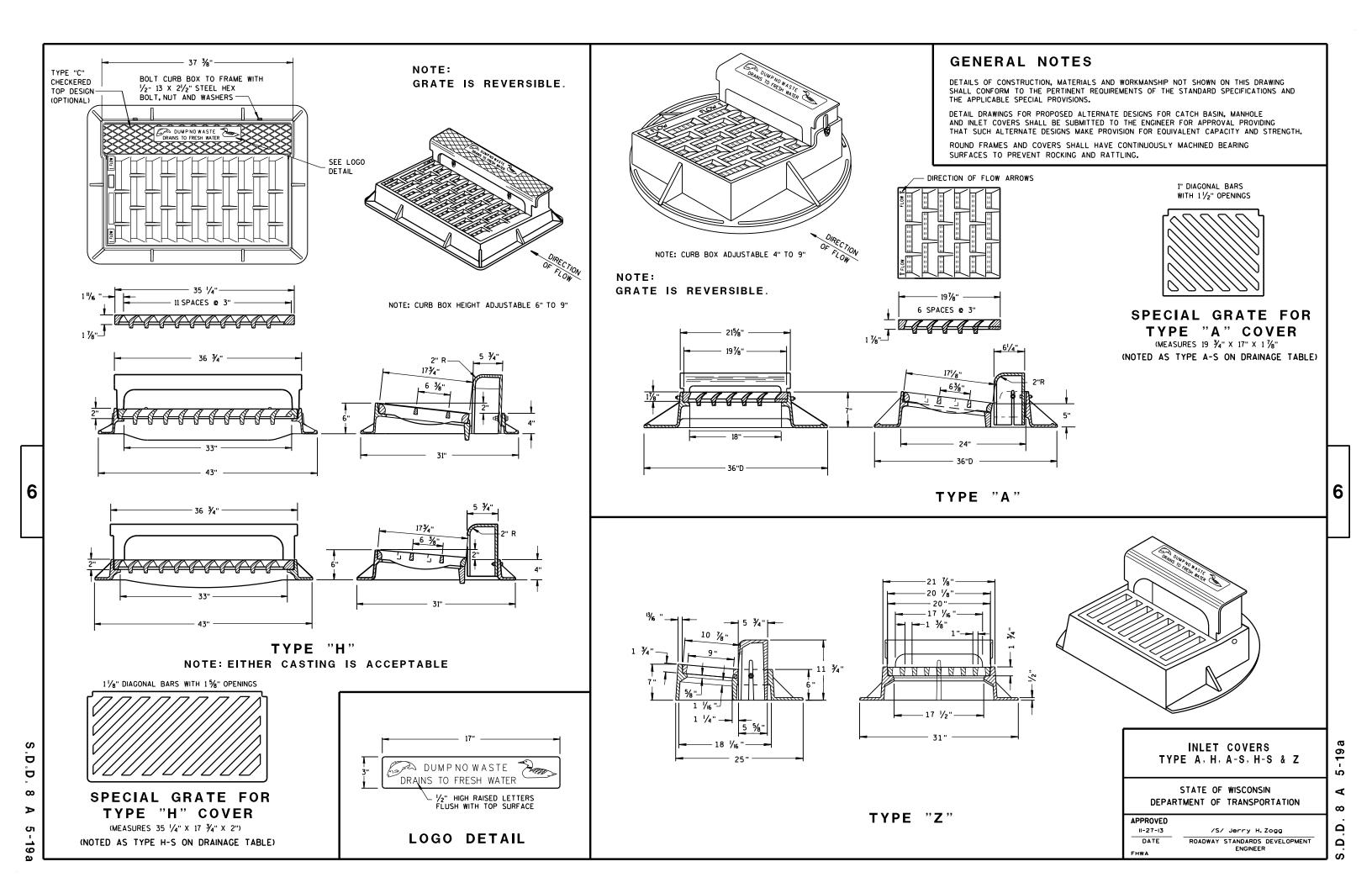


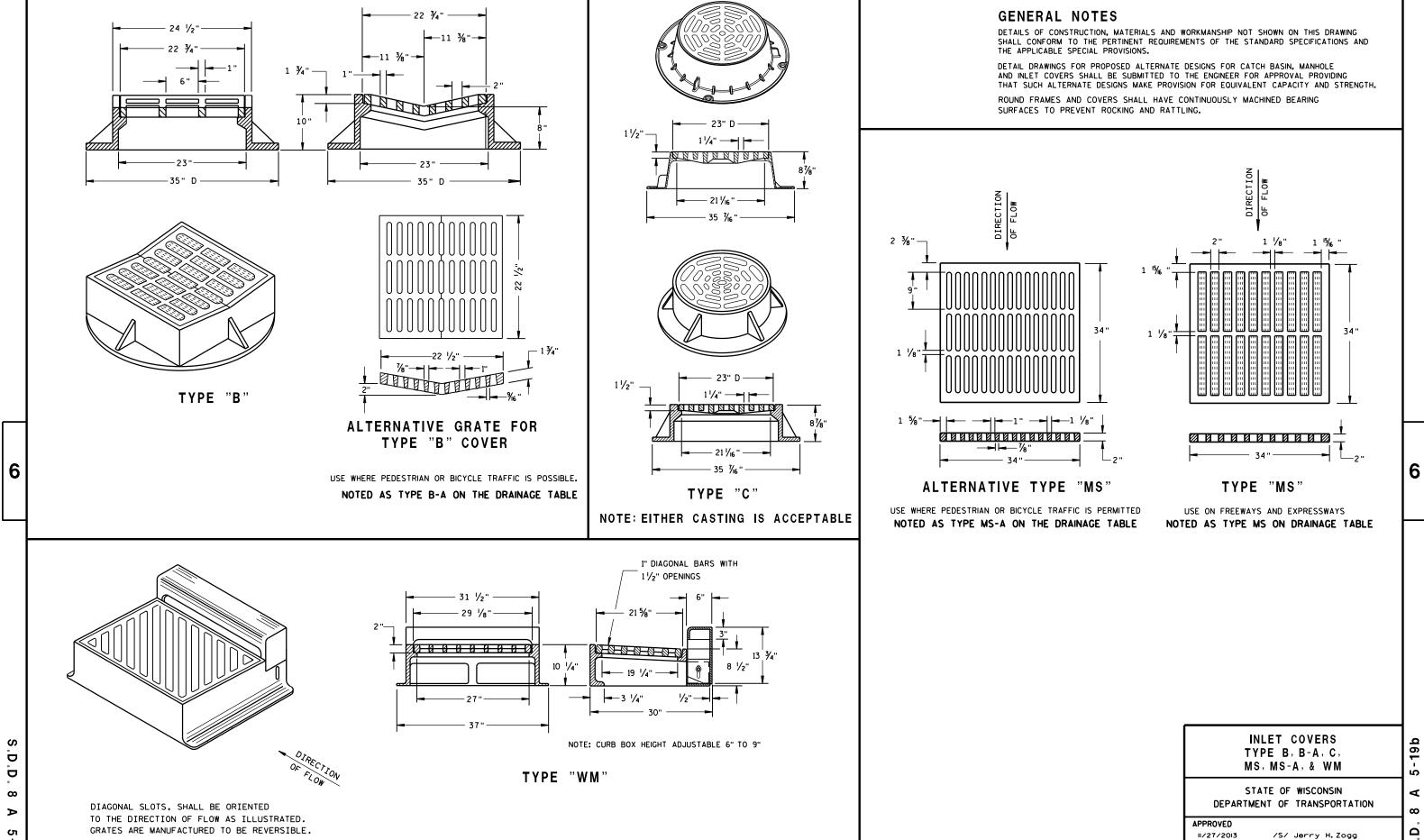




Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	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
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C19-02	HMA LONGITUDINAL JOINTS
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES





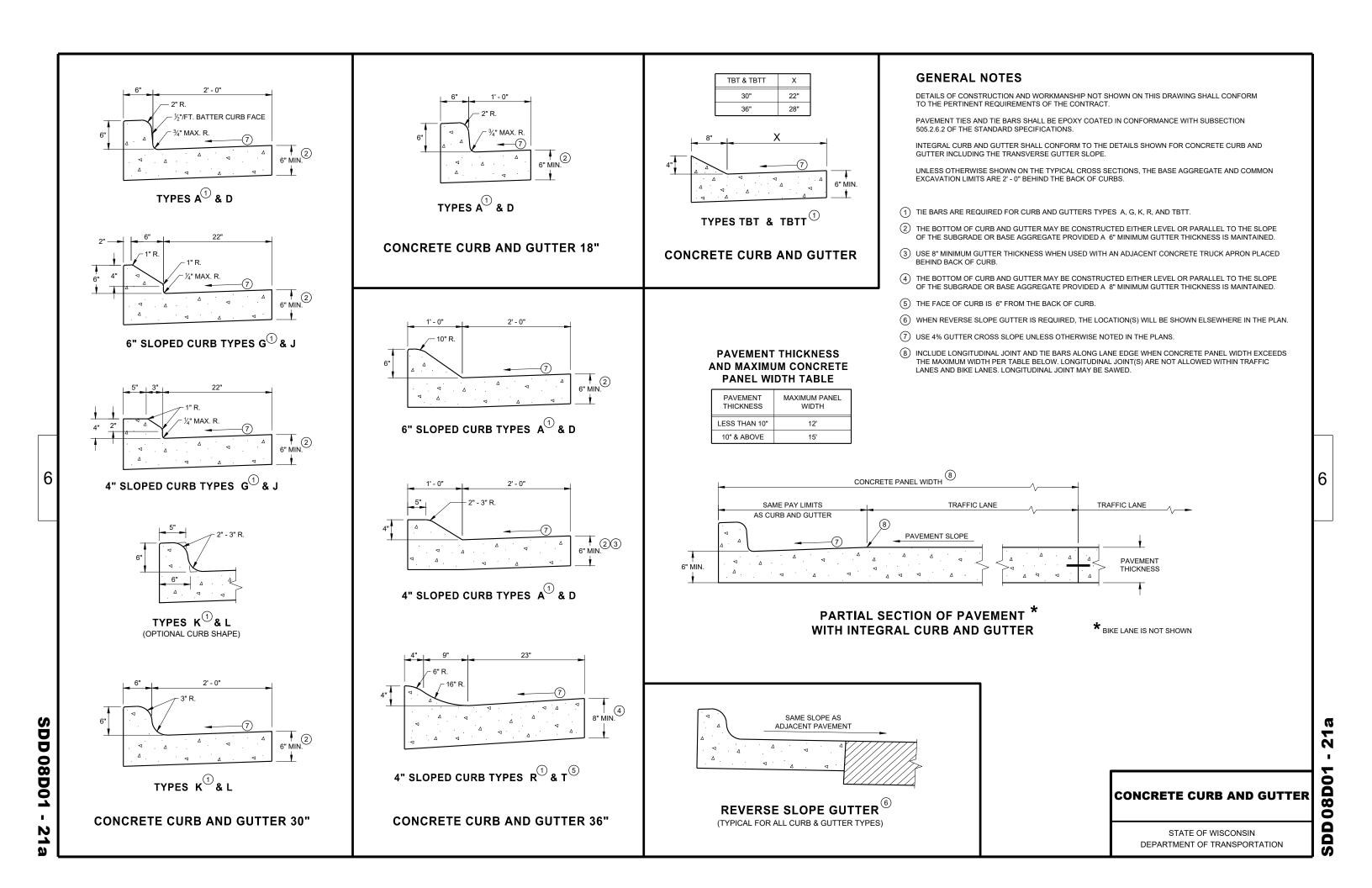
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ROADWAY STANDARDS DEVELOPMENT ENGINEER



6"

2" R.

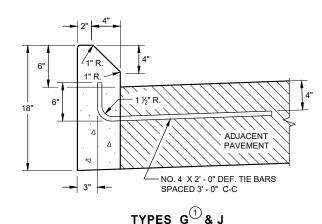
(ABOVE ADJACENT PAVEMENT)

4"

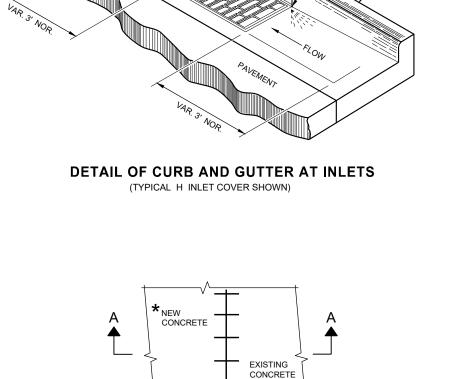
ADJACENT PAVEMENT

NO. 4 X 2' - 0" DEF. TIE BARS SPACED 3' - 0" C-C

TYPES A D



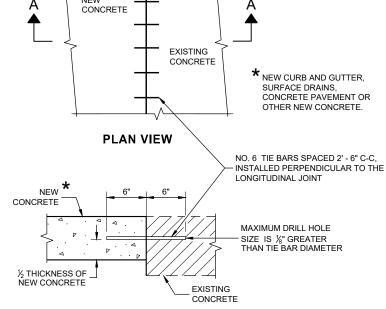
CONCRETE CURB



DEPRESS BELOW NORMAL - FLOWLINE TO MATCH GRATE ELEVATION

GRATE ELEVATION AS SHOWN ON STORM SEVER DETAILS

CURB AND GUTTER



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

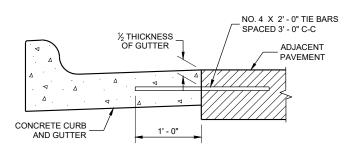
GENERAL NOTES

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

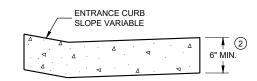
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'- 0" BEHIND THE BACK OF CURBS.

- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- (2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- 9 REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION $^{\scriptsize{\scriptsize{\scriptsize{\scriptsize{\scriptsize{1}}}}}}$



DRIVEWAY ENTRANCE CURB (WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

 APPROVED
 /S/ Rodney Taylor

 February 2020
 /S/ Rodney Taylor

 DATE
 ROADWAY STANDARDS DEVELOPMENT

 ENGINEER
 ENGINEER

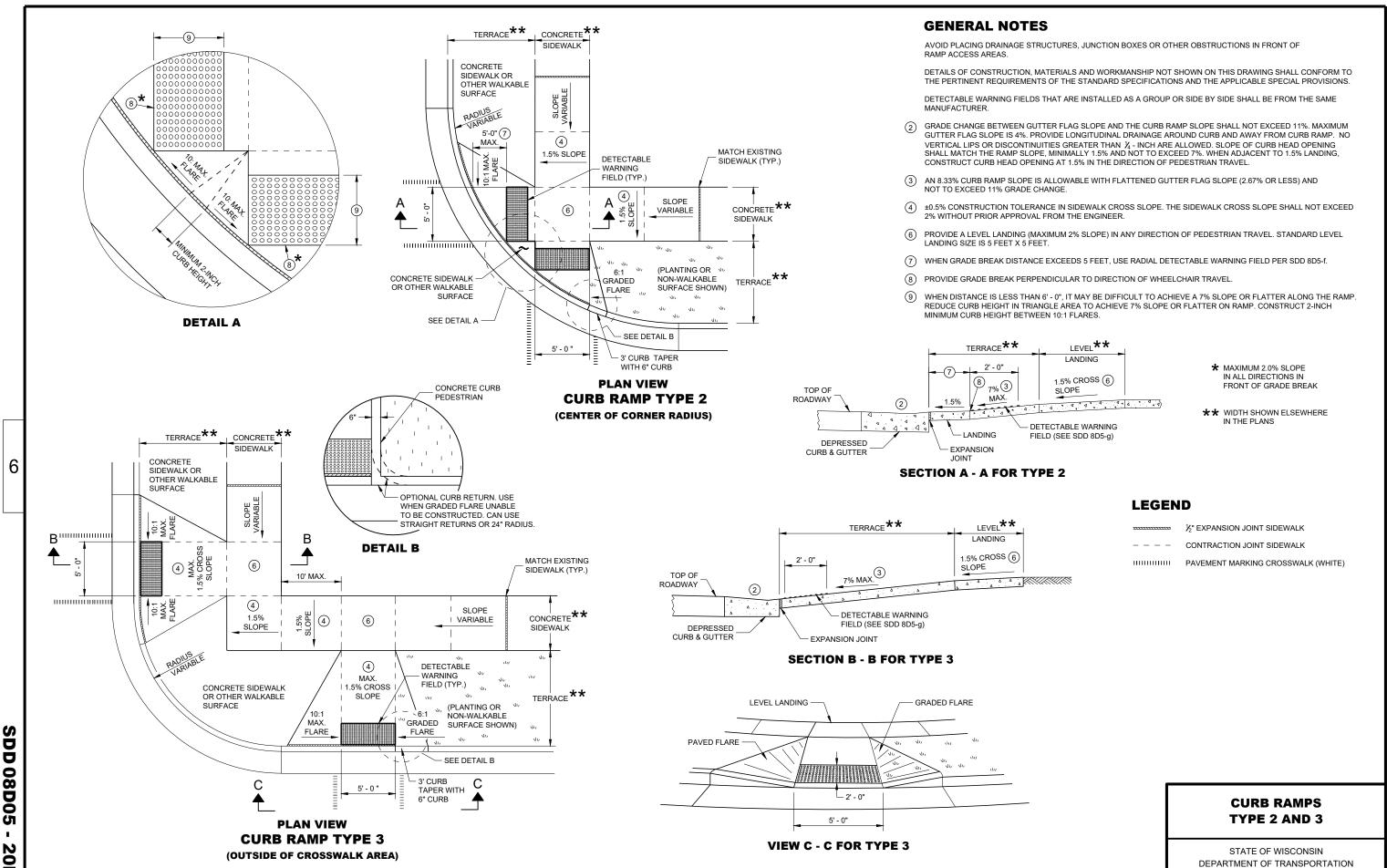
VIEW D - D FOR TYPE 1 - A

SECTION B - B FOR TYPE 1

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STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION



DD 08D05 - 20b

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

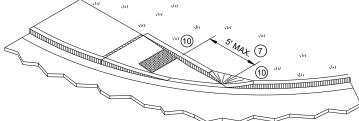
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

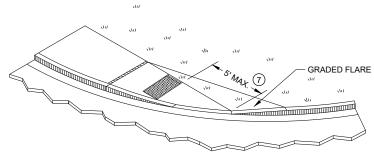
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN $\frac{1}{4}$ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL 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 THE
- (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
- (7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

½" EXPANSION JOINT SIDEWALK CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



ISOMETRIC VIEW FOR TYPE 4A

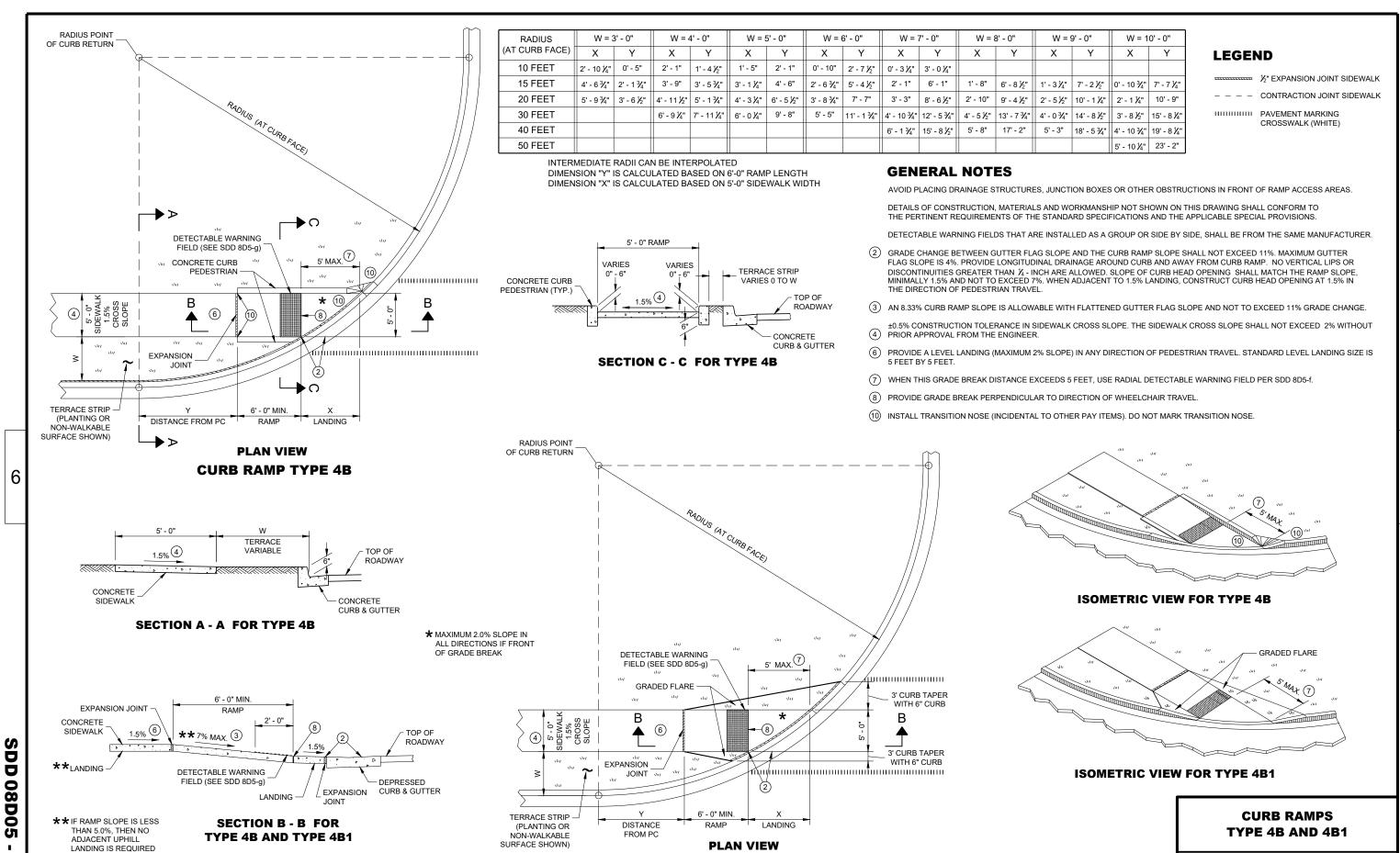


ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS TYPE 4A AND 4A1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

70 08D0 SDD



CURB RAMP TYPE 4B1

DD 08D05 - 20d

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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08D0

DEPARTMENT OF TRANSPORTATION

SDD 08D05

DEPRESSED CURB & GUTTER

*** MAXIMUM 8.33%

FIELD (SEE SDD 8D5-a)

SECTION B - B FOR TYPE 4B1

IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO

LANDING IS REQUIRED

ADJACENT UPHILL

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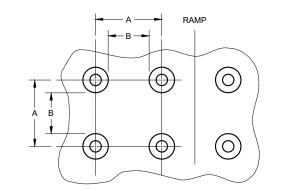
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FIELD APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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PLAN VIEW

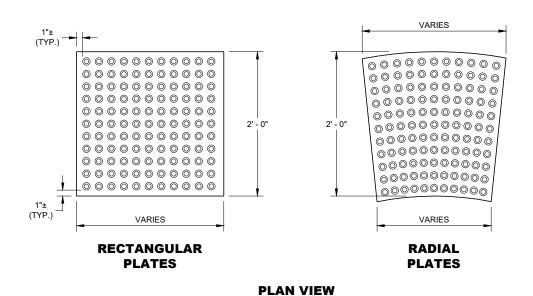
MIN. MAX. 1.6" 2.4" В 0.65" 1.5" * С * 0.9" 1.4"

★ THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



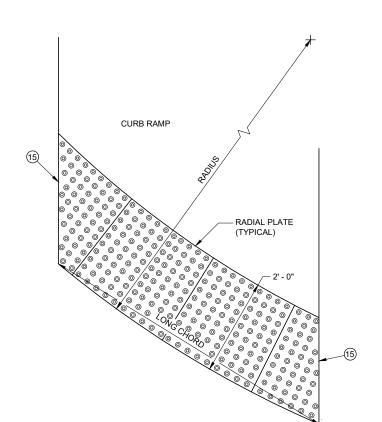
ELEVATION VIEW

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW RADIAL DETECTABLE **WARNING FIELD ATTRIBUTES**



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.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS, PERFORM PRE-LAYOUT PRIOR

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER

(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 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION 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

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

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

RECTANGULAR PLATE \bigcirc \bigcirc $| \bigcirc$ \bigcirc 0 0 RECTANGULAR PLATE \bigcirc \bigcirc (TYPICAL) \bigcirc 0

PLAN VIEW RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

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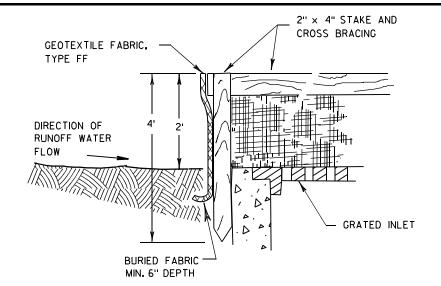
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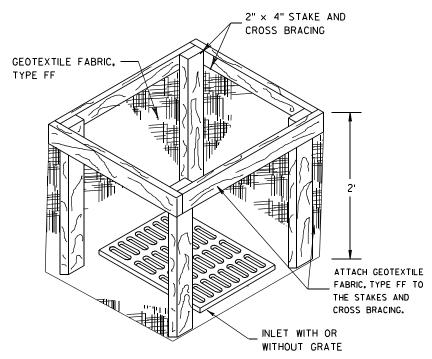
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APPROVED May 2019
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





INLET PROTECTION, TYPE A

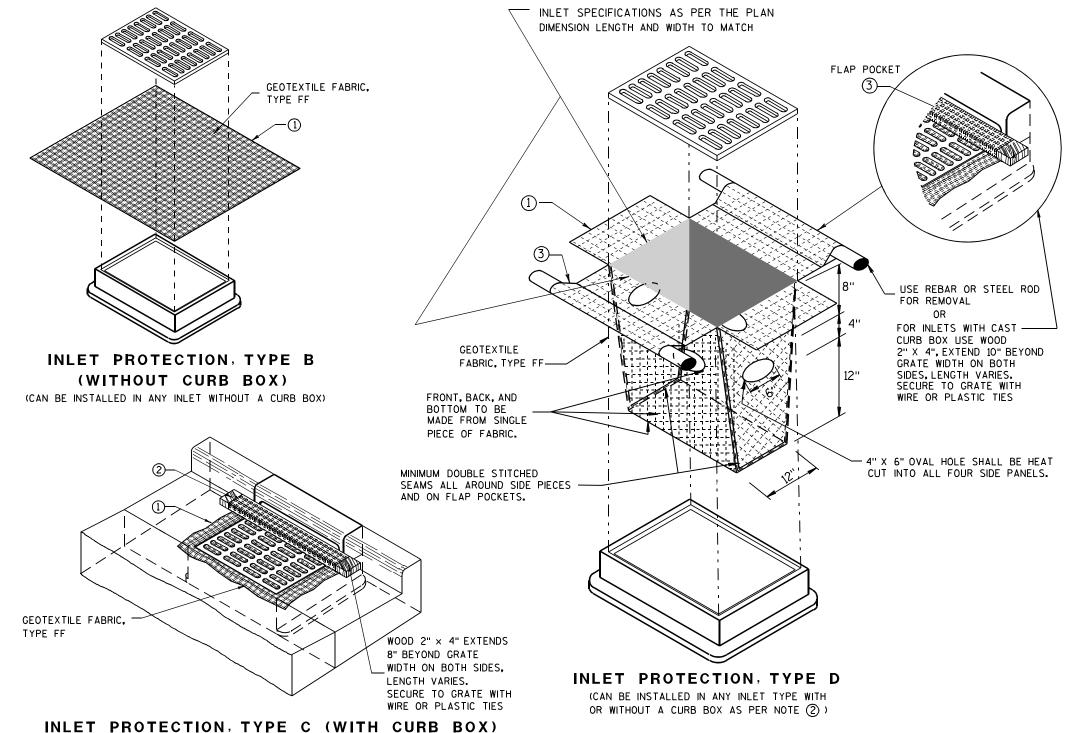
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02 /S/ Beth Cannestra

CHIEF ROADWAY DEVELOPMENT ENGINEER

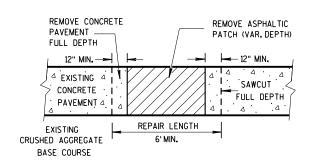
PLAN VIEW

ASPHALTIC

— PATCH —

VARIABLE SIZE

REPAIR LENGTH 6' MIN.



SECTION A-A
HMA PATCH REMOVAL

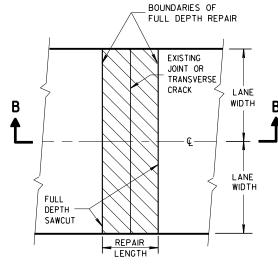
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

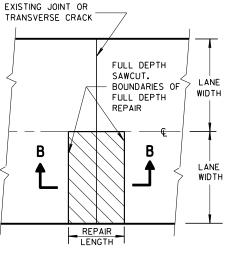
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

1) DOWEL BARS MIGHT NOT EXIST.

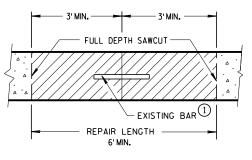


PLAN VIEW (DOUBLE LANE REPAIR)



PLAN VIEW (SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B-B
CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR
AND REPLACEMENT

6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TIE BAR TABLE MAX. **PAVEMENT** TIE BAR TIE BAR DEPTH TIE BAR SIZE LENGTH (L) (D) SPACING < 10 1/2" NO. 4 30" 36" NO. 5 36" 36" ≥ 10 ½" 24" * * NO. 4 30"

- * SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)
- ** Conform to 15" minumum spacing from transverse joints; spacing BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

SEE DETAIL L1 PAVEMENT SURFACE (SEE TABLE FOR SIZE) Δ

SECTION C-C SAWED LONGITUDINAL JOINT

GENERAL NOTES

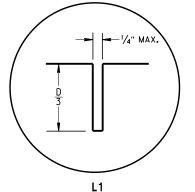
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

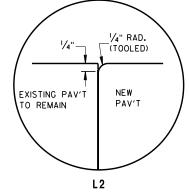
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

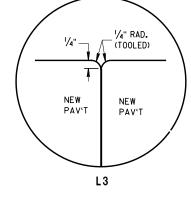
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT

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







LONGITUDINAL JOINTS

EXISTING

CONCRETE

ANCHORED

EXISTING

15" C-C

PAVEMENT,

EXISTING | 6'MIN.

CONCRETE 15' MAX.

DOUBLE

I ANF

REPAIR

L1 0R

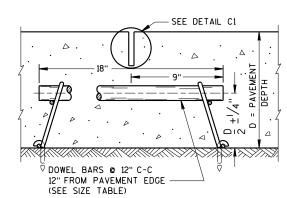
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NEW

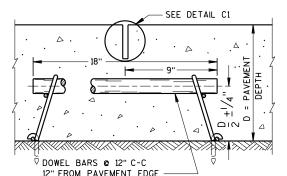
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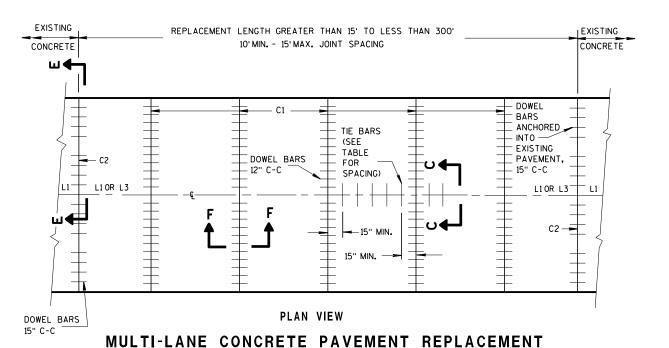
PLAN VIEW

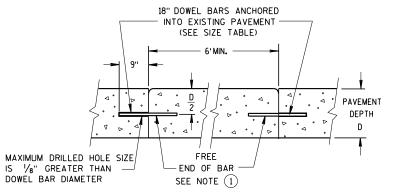
MULTI-LANE CONCRETE PAVEMENT REPAIR



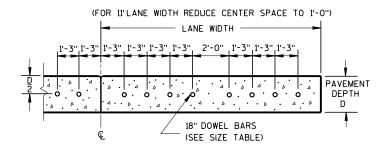
SECTION F-F **CONTRACTION JOINT**







SECTION D-D



SECTION E-E

PAVEMENT DEPTH, DOWEL BAR SIZE

DRILLED DOWEL BAR CONSTRUCTION JOINT

And collection of Acting 17,222				
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING	
5 1/2", 6",6 1/2"	NONE	NONE	12'	
7",7 1/2"	1"	1''	14'	
8",8 1/2"	1 1/4"	1 1/4"	15'	
9",9 1/2"	1 1/4"	1 1/4"	15'	
10" & ABOVE	1 1/2"	1 1/4"	15'	

AND JOINT SPACING TABLE

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

DOWEL

BARS ANCHORED

EXISTING PAVEMENT,

15" C-C

LANE

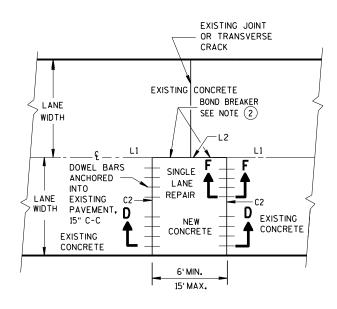
WIDTH

LANE

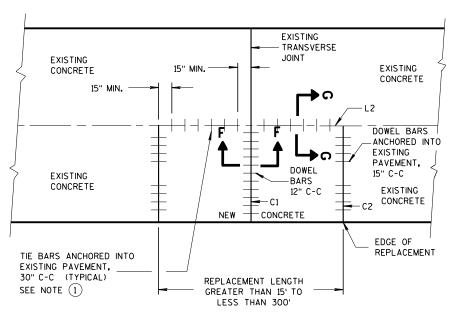
WIDTH

33 Ω SEE DETAIL L2 -

TIE BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPAIR



PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPLACEMENT

GENERAL NOTES

- (1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- (2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- 3 ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

6

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

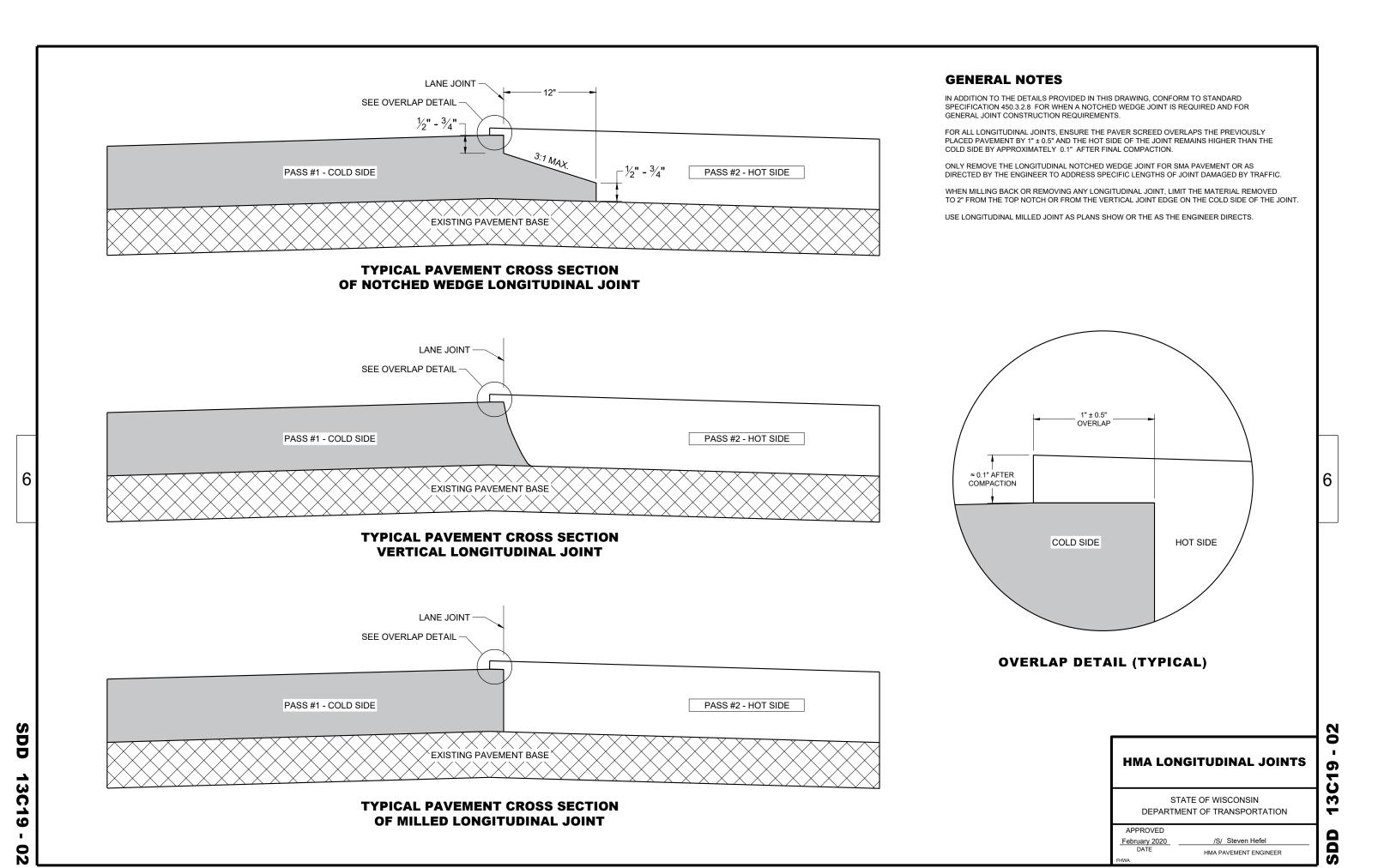
March 2018

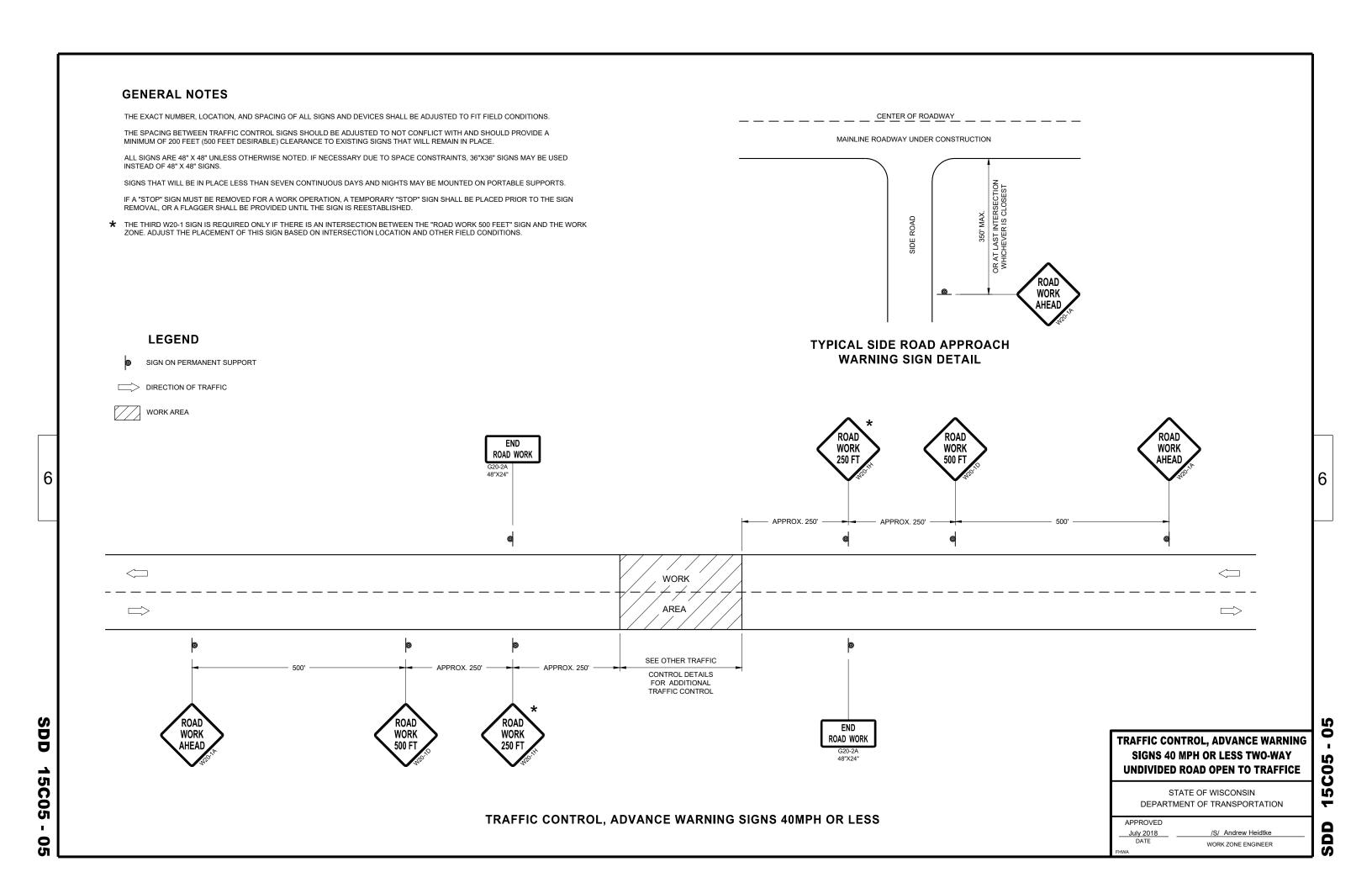
DATE

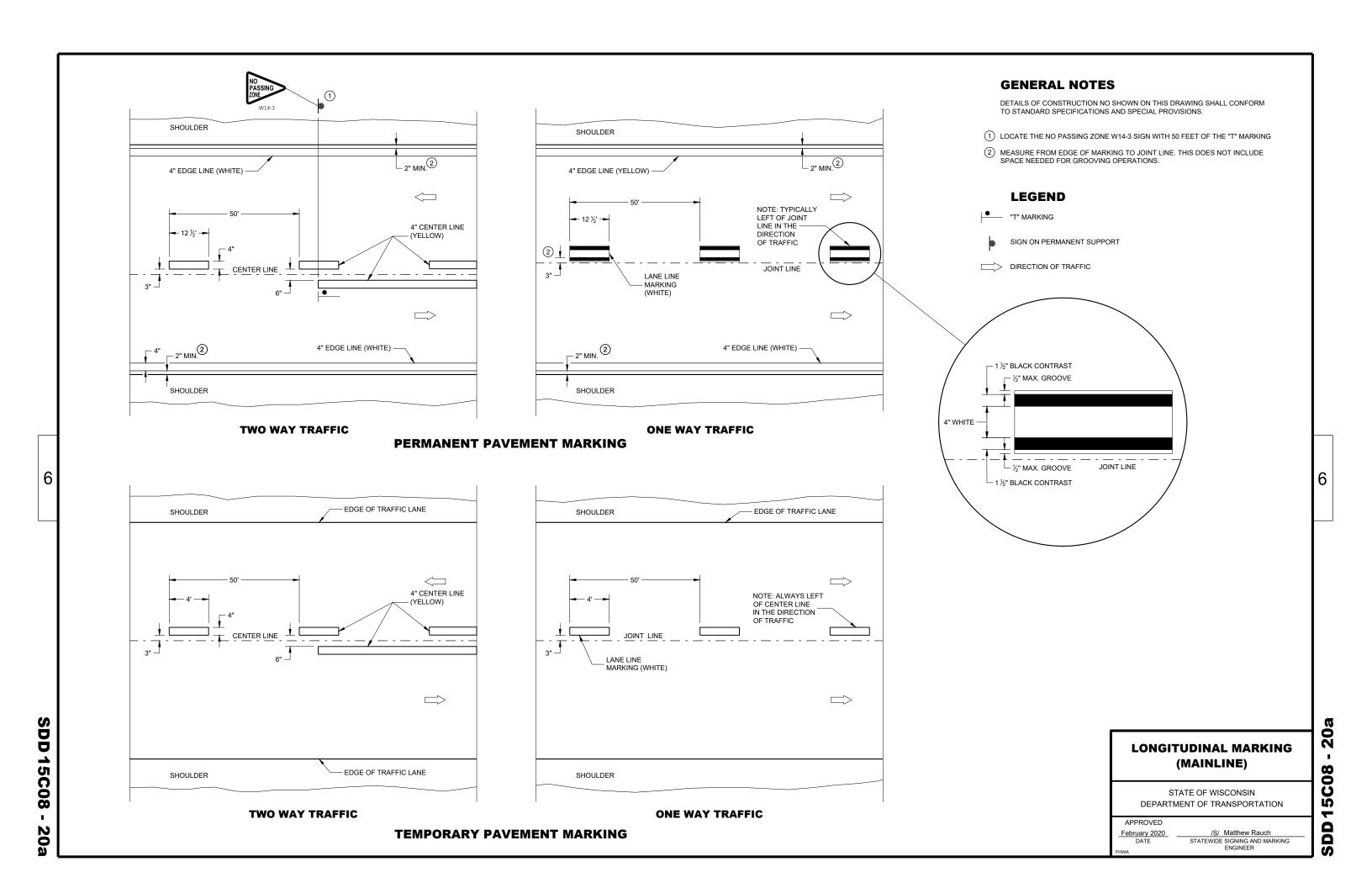
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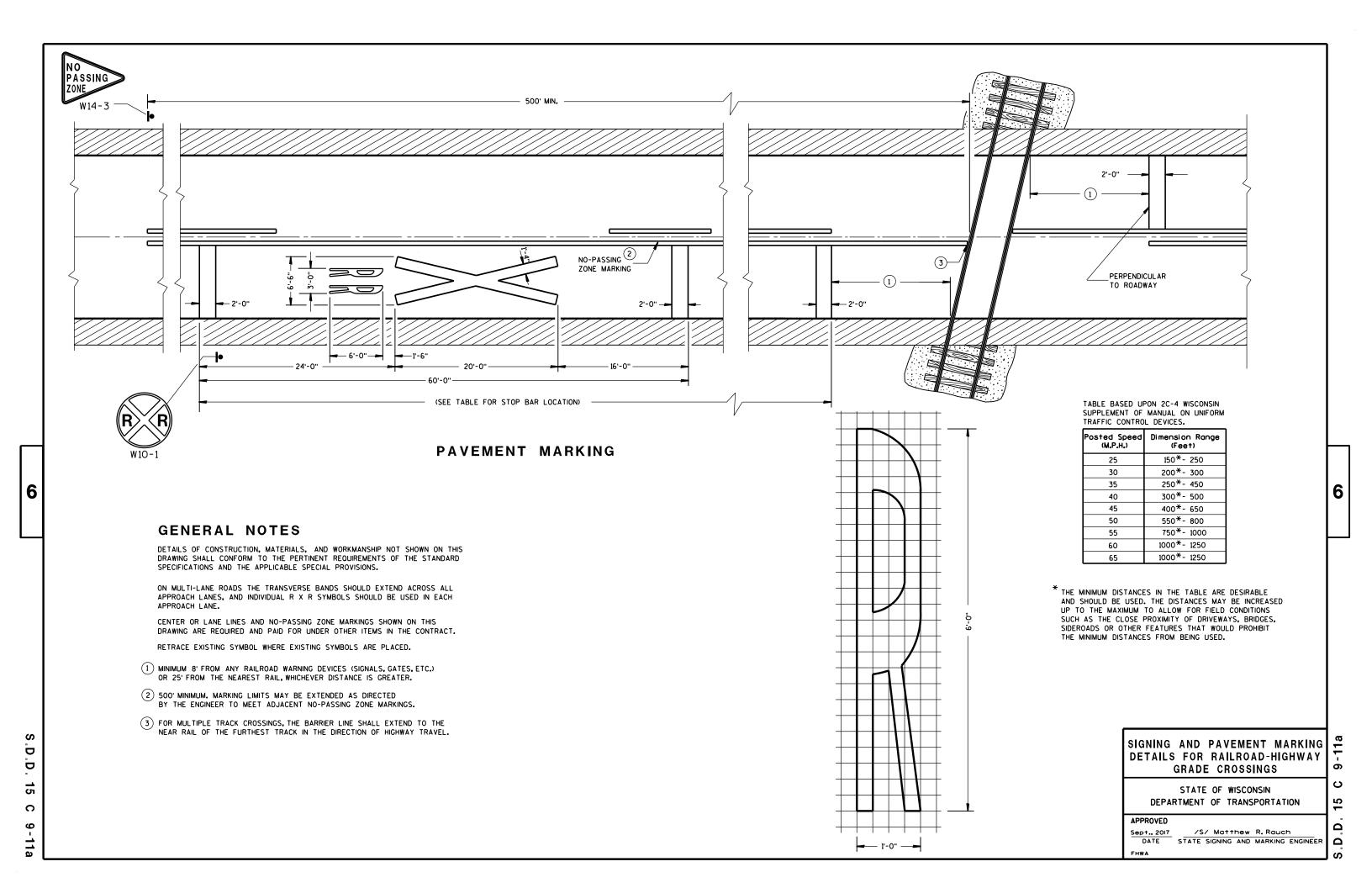
/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

6









36" MIN.

36" MIN.

DRUM

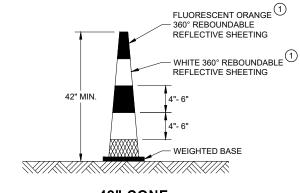
TYPE II BARRICADE

SDD 15C11

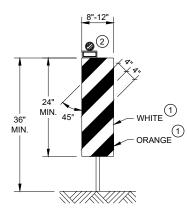
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.

GENERAL NOTES

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



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



VERTICAL PANEL

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

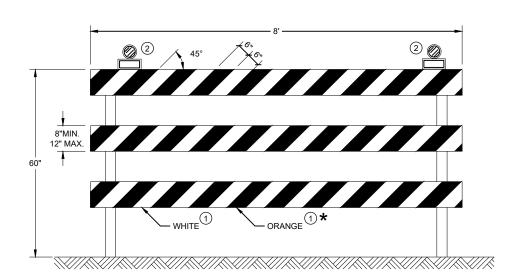
FLUORESCENT ORANGE

WHITE 360° REBOUNDABLE 1

- 360° REBOUNDABLE REFLECTIVE SHEETING

REFLECTIVE SHEETING

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
June 2017	/S/ Andrew Heidtke
June 2017 DATE	WORK ZONE ENGINEER

07

SDD 15C

RUMBLE

STRIPS

WORK

GENERAL NOTES FLAGGING LEGEND DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH SIGN ON PORTABLE OR PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PERMANENT SUPPORT PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER. FLAGGER, EQUIPPED WITH STOP/SLOW EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S PADDLE FASTENED ON SUPPORT STAFF RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN. ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A" 35-40 MPH STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

LANE CLOSURE WITH **FLAGGING OPERATION**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL FOR

2

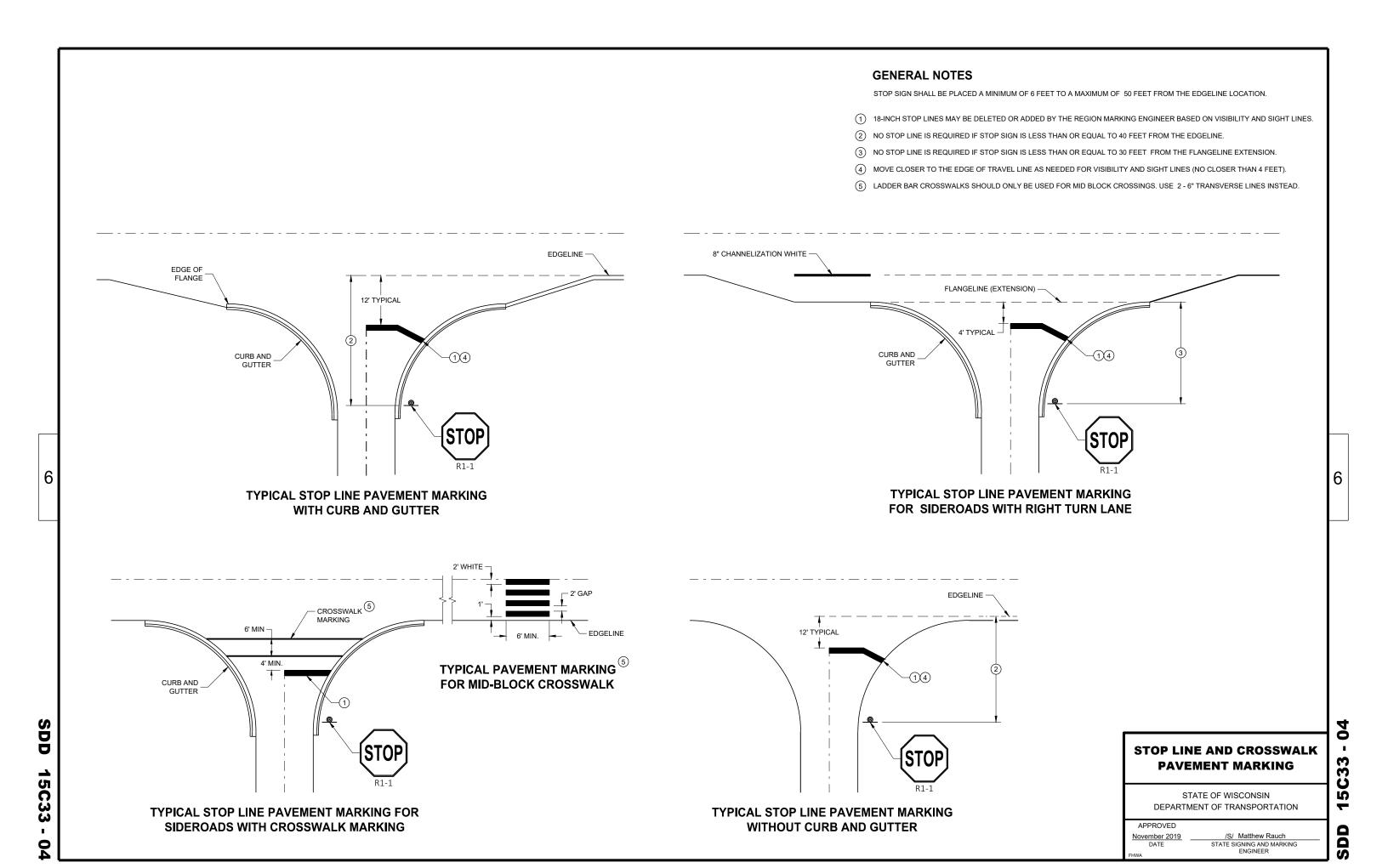
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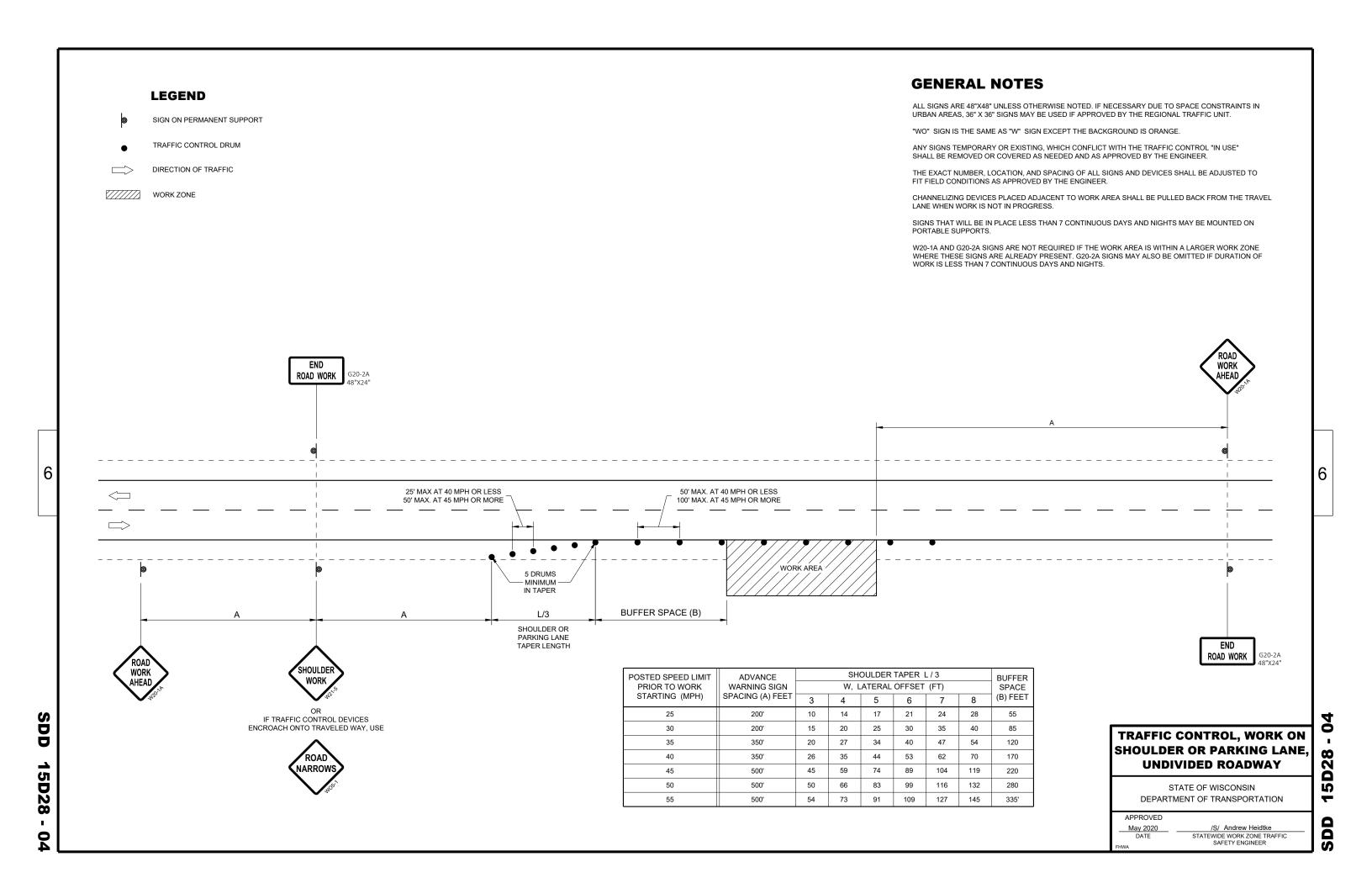
APPROVED	
May 2019	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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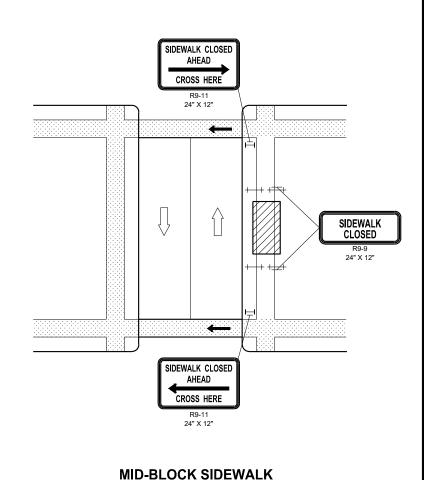
WORK ZONE ENGINEER

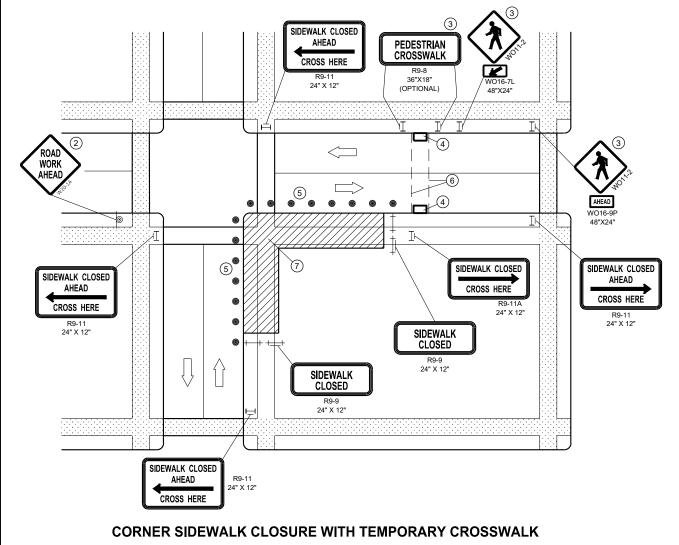
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62





GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

CLOSURE

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

- IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
- (2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK
- (4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- 6 TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)

UNDER PEDESTRIAN TRAFFIC

WORK AREA

PEDESTRIAN CHANNELIZATION DEVICE

DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30 - 06a

4" WIDE EDGE MARKING (6)

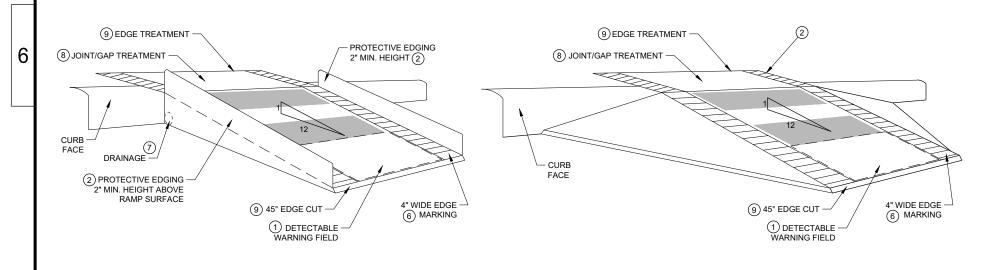
TEMPORARY CURB RAMP PARALLEL TO CURB

CROSS SLOPE 2% MAX. (4)

PROTECTIVE EDGING 2" MIN. HEIGHT

WITH SIDE APRON

ABOVE RAMP SURFACE (2)



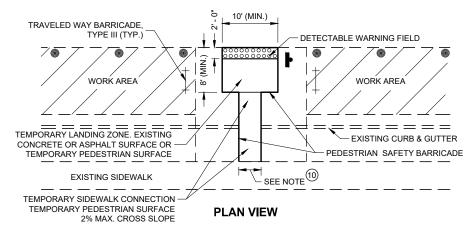
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

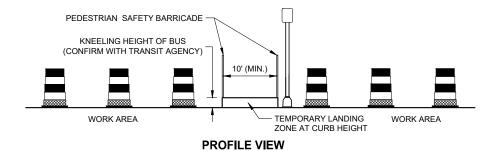
GENERAL NOTES

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

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

- (1) CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
- (2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- (3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- (5) CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- (6) THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
- 7) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (8) LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
- (9) CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
- (10) 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.





TEMPORARY BUS STOP PAD

LEGEND



TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

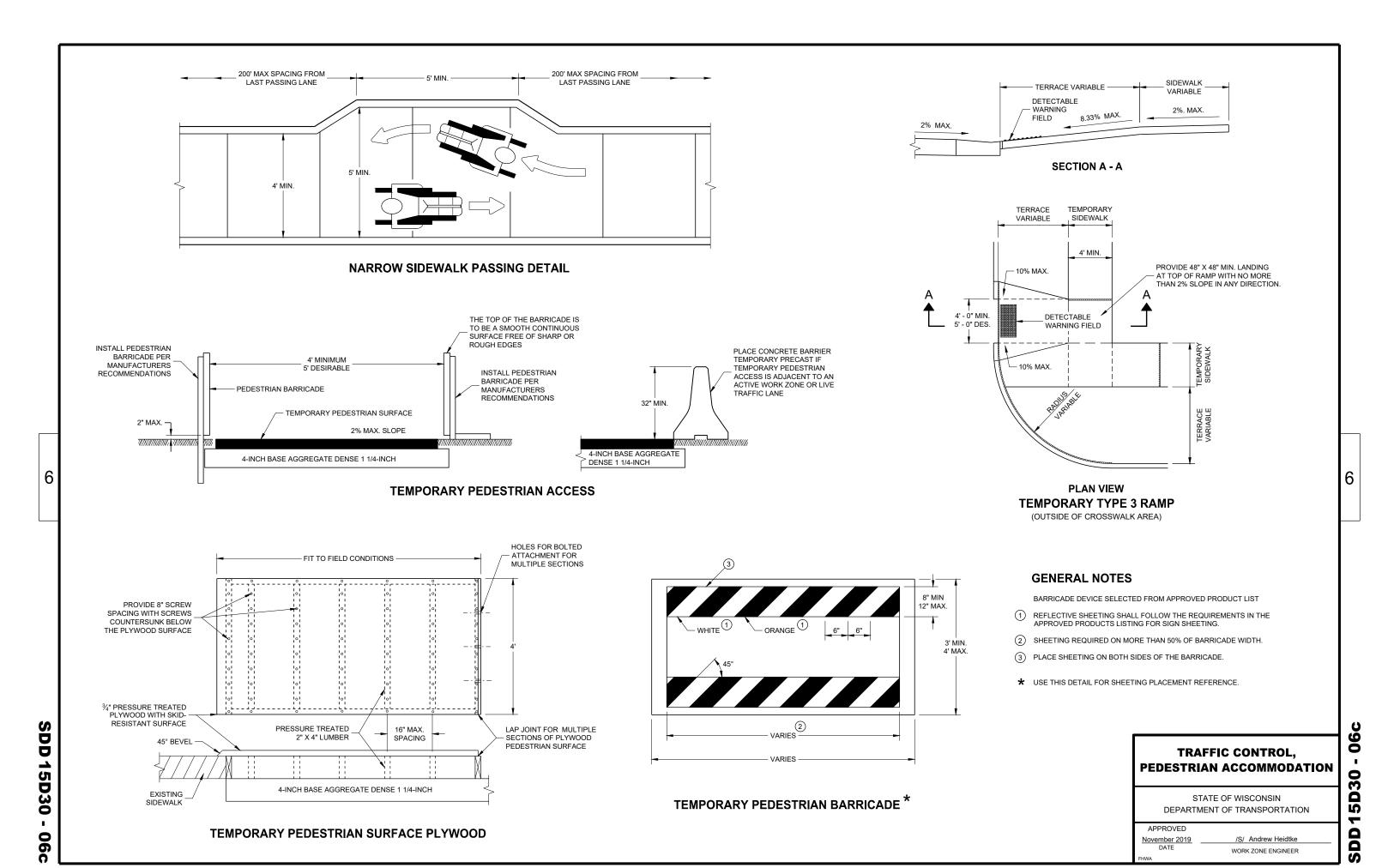
SDD 15D30 - 06

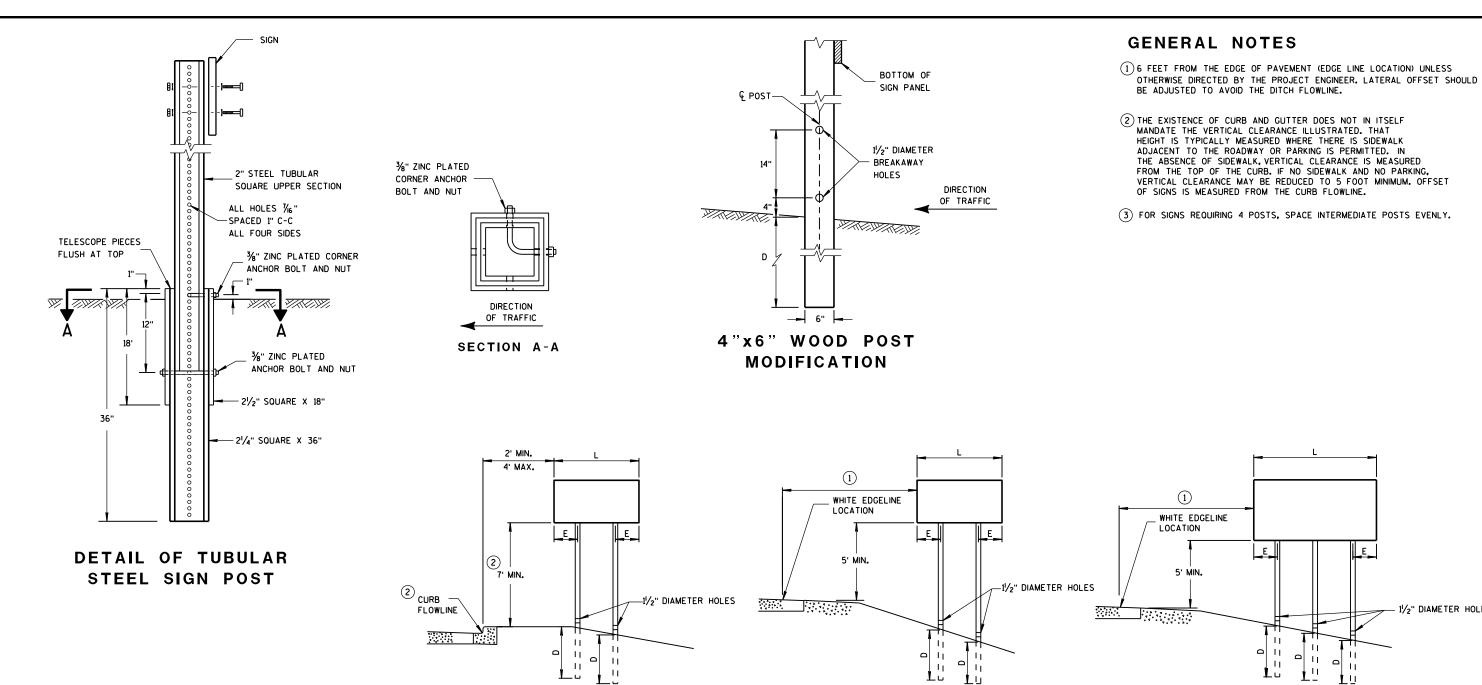
(5) CLEAR SPACE

(9) EDGE TREATMENT

WITH PROTECTIVE EDGE

SDD 15D30 - 06b





TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.) 9 OR LESS GREATER THAN 9 LESS THAN OR EQUAL TO 18 GREATER THAN 18 LESS THAN OR EQUAL	NUMBER OF REQUIRED TUBULAR STEEL POSTS	
9 OR LESS	1	
OREATER THAN 9 LESS THAN OR EQUAL TO 18	2	
LESS THAN OR EQUAL	3	

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	٤
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

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- 11/2" DIAMETER HOLES

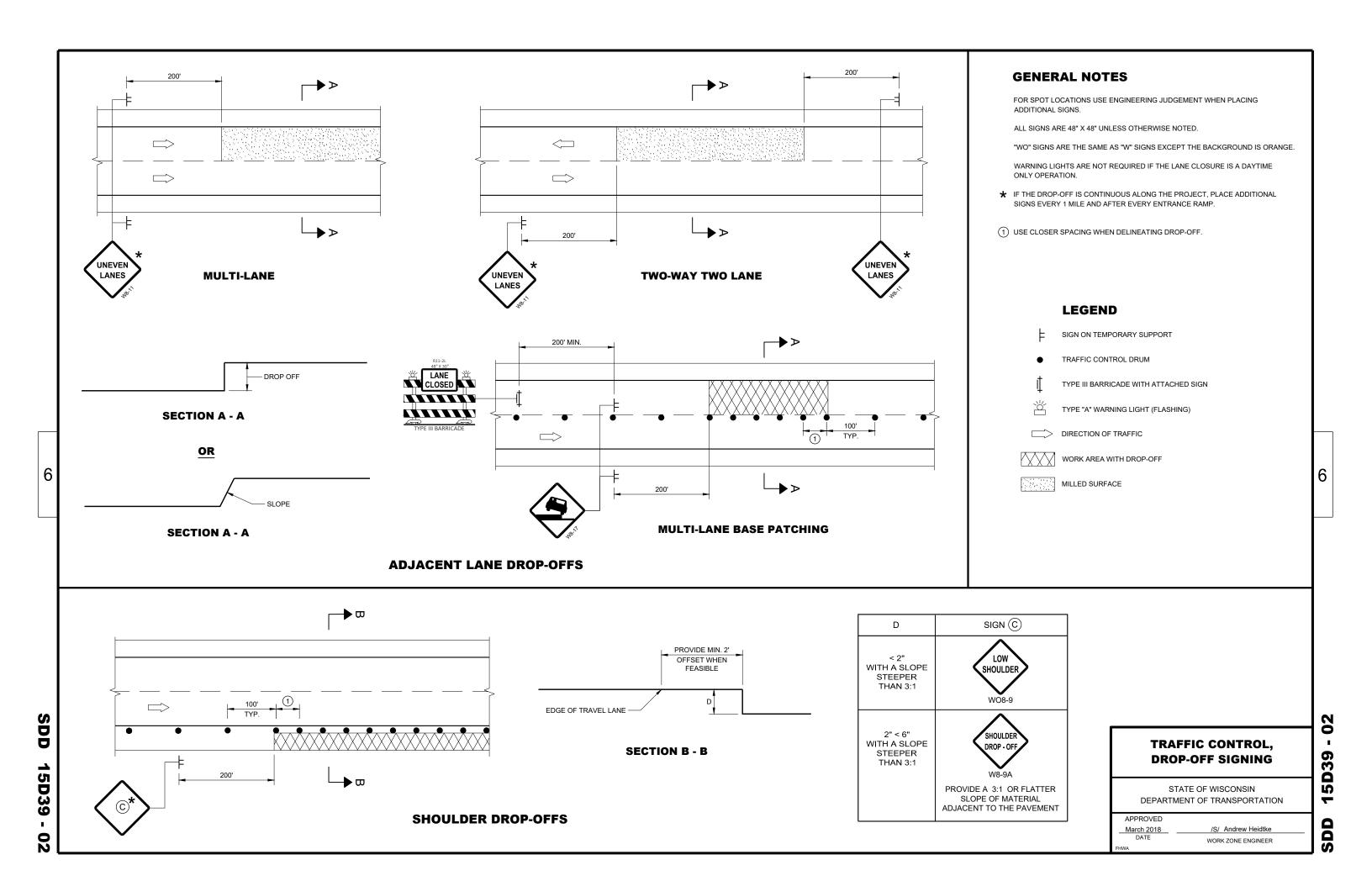
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APPROVED June 2017 DATE /S/ Andrew Heidtke

DEPARTMENT OF TRANSPORTATION

WORK ZONE ENGINEER



ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED

(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

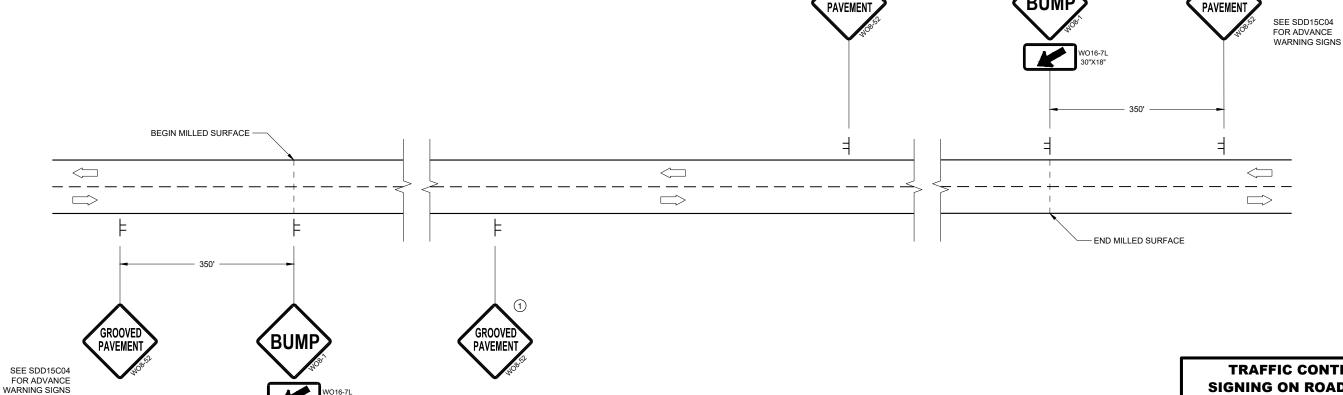
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

 $\perp \!\!\! \perp$ **PAVEMENT**

TYPICAL SIDE ROAD APPROACH SIGN DETAIL

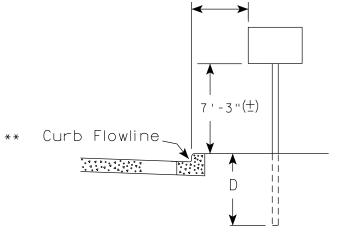


DETAIL FOR SIGNING ON MILLED SURFACES

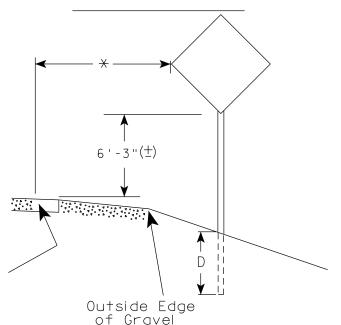
TRAFFIC CONTROL, **SIGNING ON ROADWAYS WITH MILLED SURFACES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION Ò D

APPROVED February 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

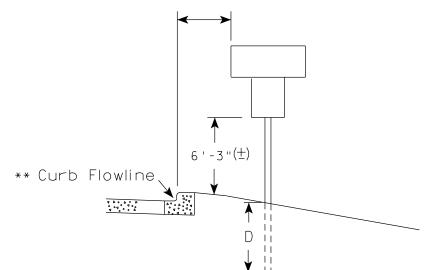


White Edgeline Location



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

HWY:



White Edgeline Location

** The existence of curb and gutter does not in

yeline
Outside Edge
of Gravel

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

* 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.

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.

2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{2}$).
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (±) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign
Installation
(Sq.Ft.)

20 or Less

Greater than 20

Area of Sign
D
(Min)

5'

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

SHEET NO:

Ε

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\A43.dgn

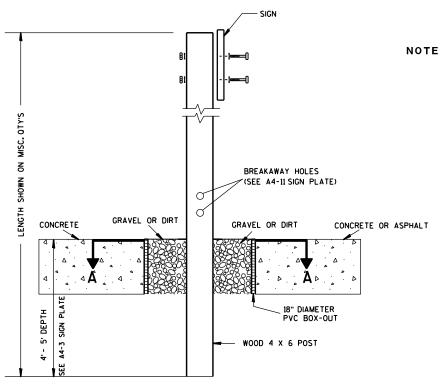
measured from the flow line.

COUNTY: PLOT DATE: 13-MAY 2020 1:04

PLOT BY: mscj9h

PLOT NAME :

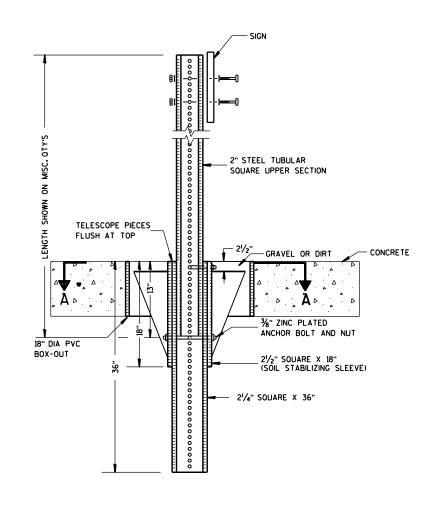
PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



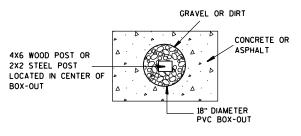
ELEVATION VIEW

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

ELEVATION VIEW

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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE : 13.659812:1.000000

APPROVED

- 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" (±) or 6'-3" (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) 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.
- $\star\star\star$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

TYPICAL INSTALLATION

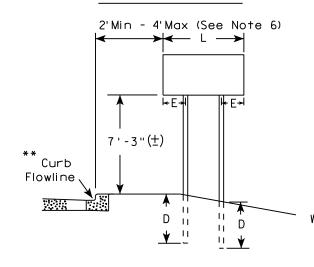
For State Traffic Engineer

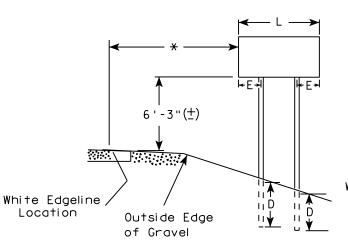
DATE 8/21/17 PLATE NO. A4-4.15

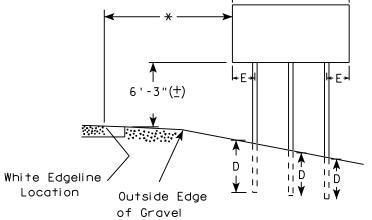
SHEET NO:

URBAN AREA

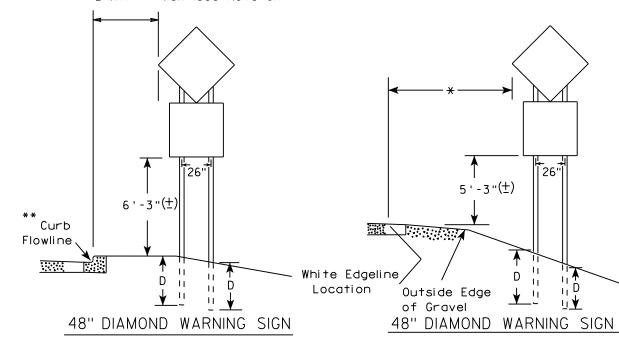
RURAL AREA (See Note 3)







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



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

HWY:

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

COUNTY:

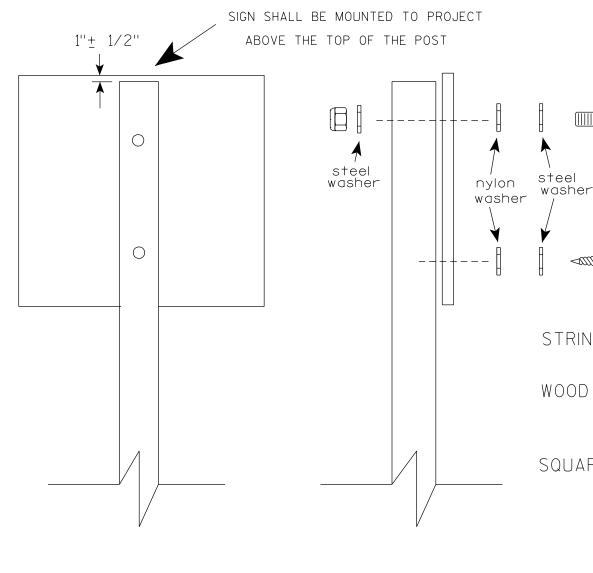
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

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

PLOT SCALE: 108.188297:1.000000



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

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

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

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

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

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

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

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 3/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

DATE 4/1/2020

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

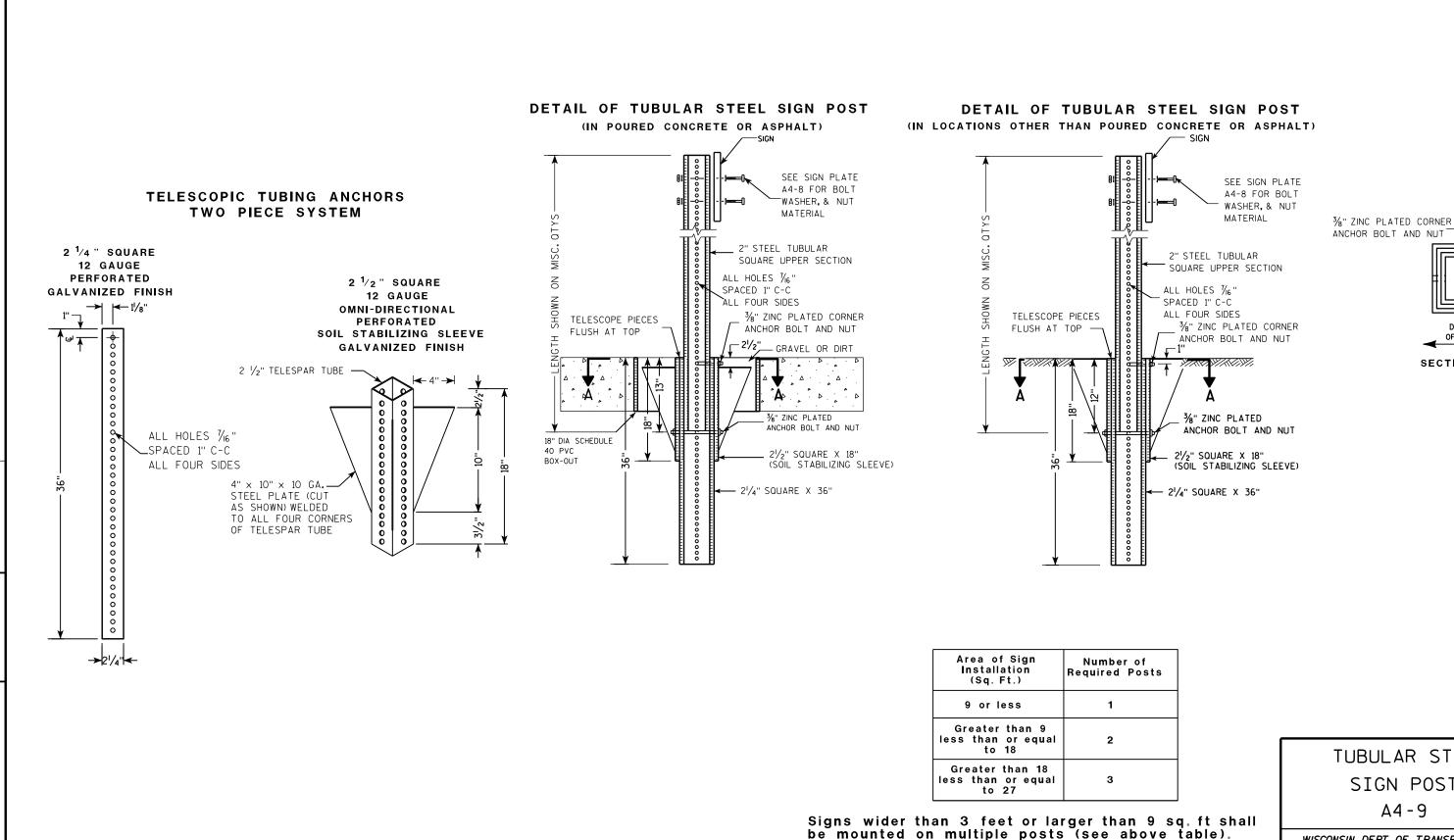
SHEET NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

Ε

PROJECT NO:



TUBULAR STEEL SIGN POST A4-9

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE 2/05/15 PLATE NO. <u>A4-9.9</u>

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN

HWY:

PROJECT NO:

PLOT DATE: 05-FEB-2015 17:09

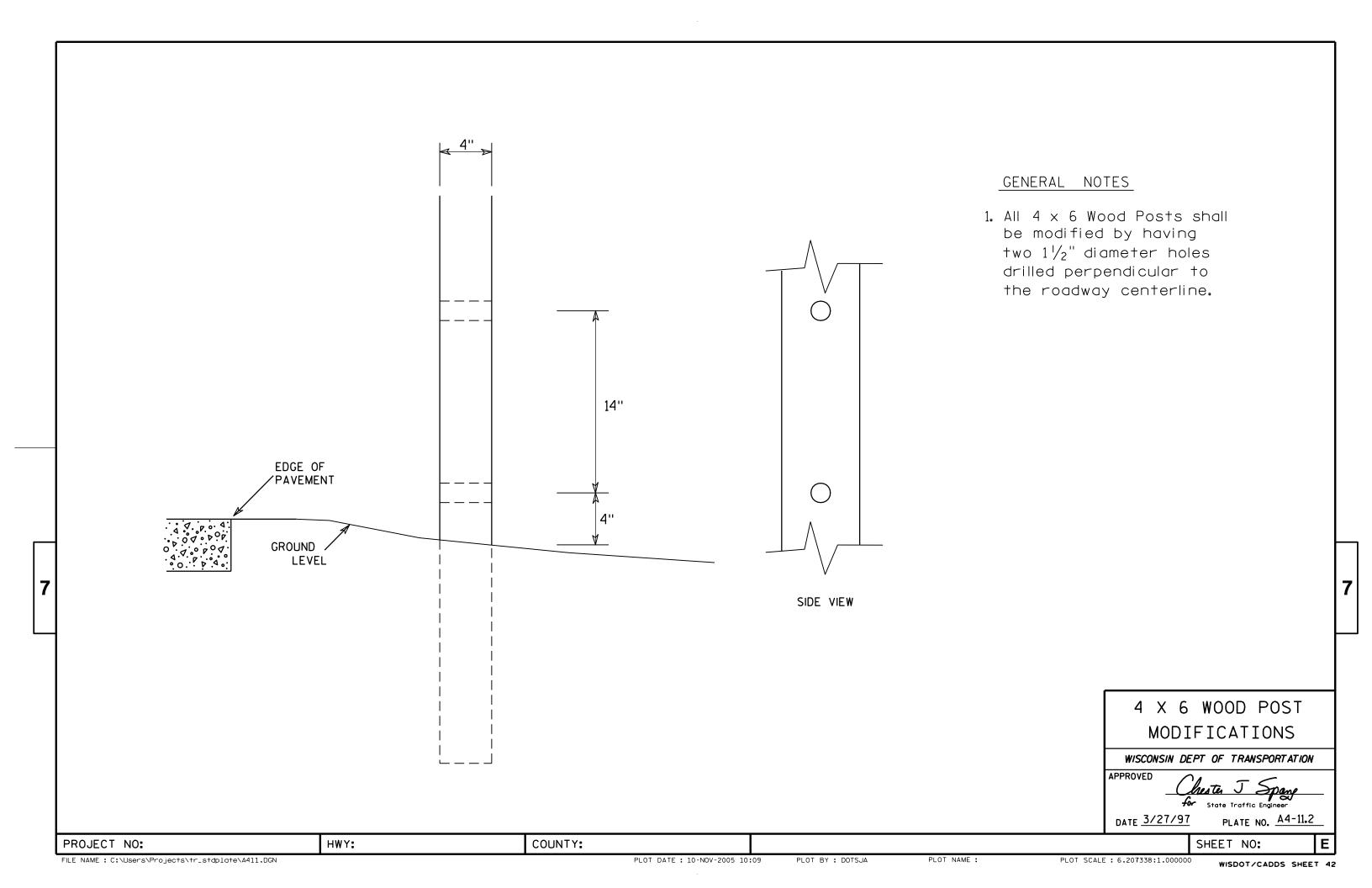
COUNTY:

PLOT NAME :

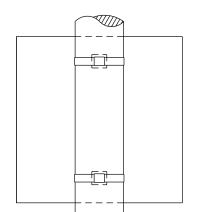
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

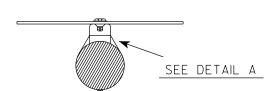
SECTION A-A

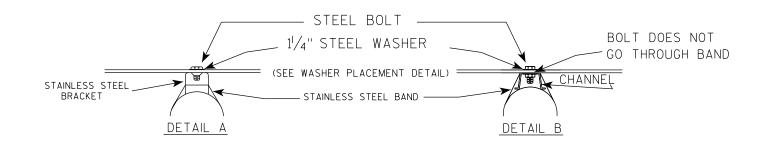


BANDING

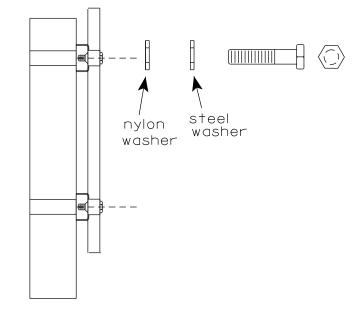


SINGLE SIGN





WASHER PLACEMENT



HWY:

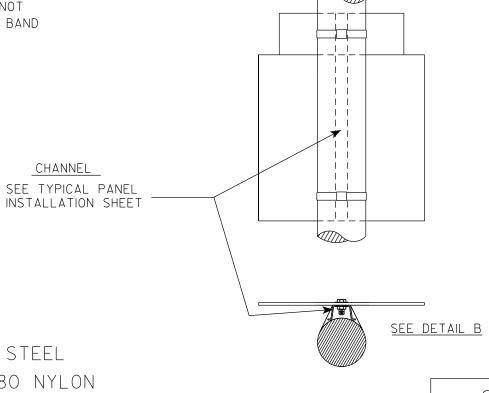
WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

GENERAL NOTES

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

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 6/10/19

SHEET NO:

State Traffic Engineer

PLATE NO. A5-9.4

Ε

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

PROJECT NO:

COUNTY:

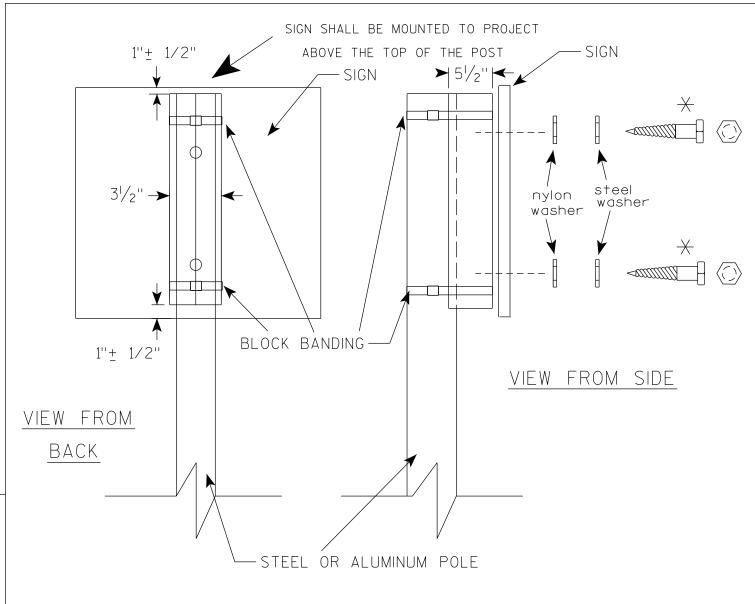
PLOT BY: mscj9h

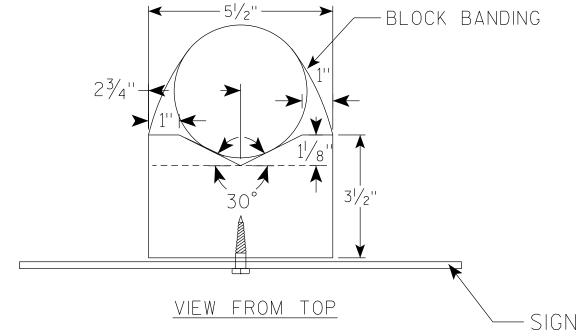
CHANNEL

PLOT NAME :

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

PLOT DATE: 10-JUN 2019 4:10





GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE $1\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 \rightarrow LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Matthew R

For State Traffic Engineer

SHEET NO:

DATE 6/10/19

PLATE NO. A5-10.2

PROJECT NO:

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

PLOT DATE: 10-JUN 2019 4:15

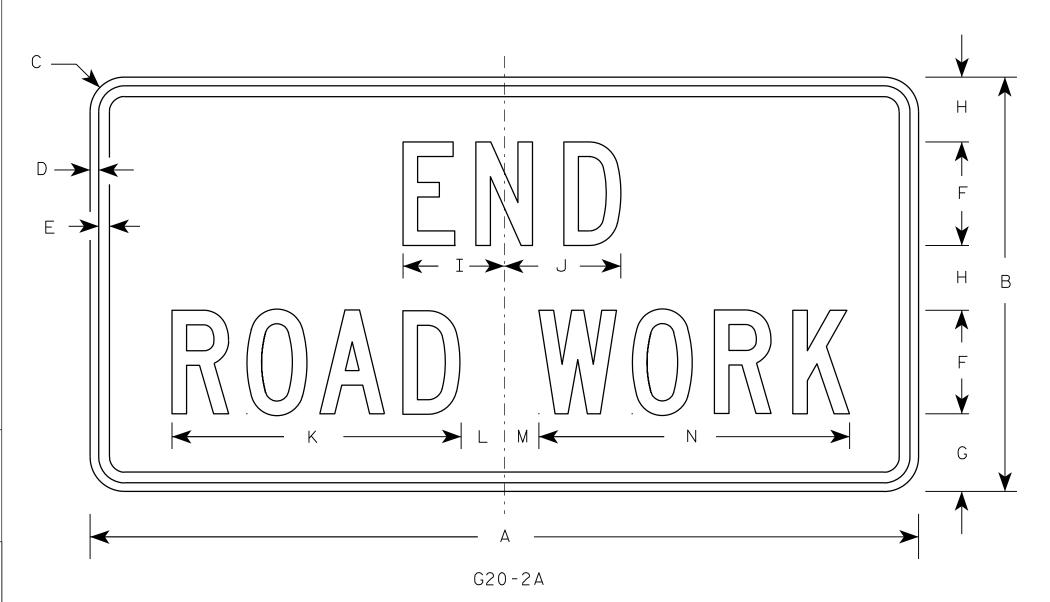
PLOT BY : mscj9h

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

2. Color:

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.



Metric equivalent for this sign is:

SIZE					
1	900	mm	Χ	450	mm
2	1200	mm	Х	600	mm
3	1200	mm	Х	600	mm
4	1200	mm	Χ	600	mm
5	1200	mm	Χ	600	mm

PROJECT NO:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Ra

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

Ε

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

PLOT NAME :

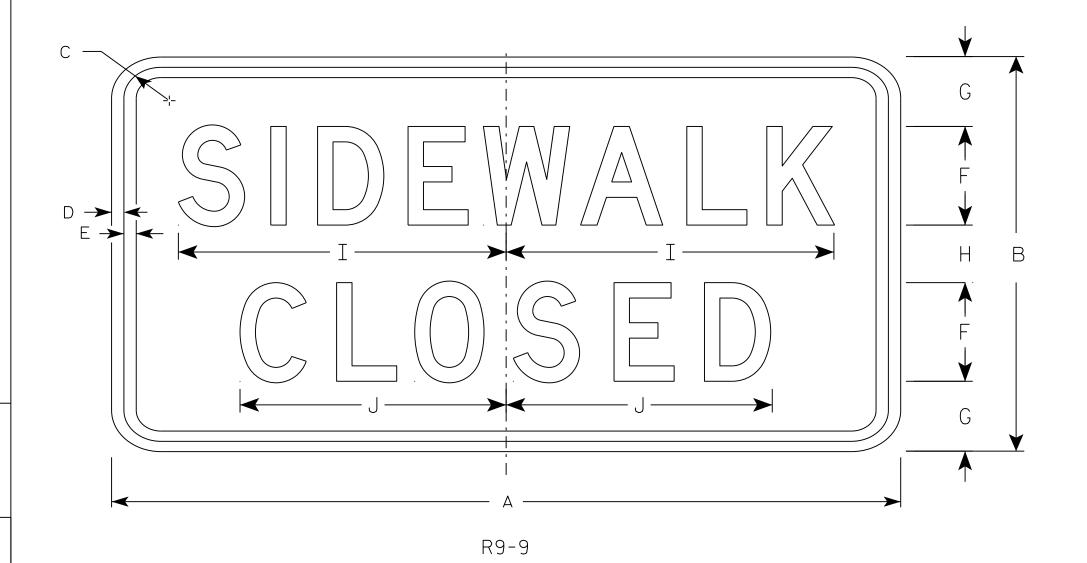
PLOT SCALE: 5.561773:1.000000

61773:1.000000 WISDOT/CADDS SHEET 42

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

Background - White 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.
- 5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



SIZE A 2S 24 1 3/4 1/2 2 1/8 1 3/4 10 1/2 12 3 8 1/8 2.0 24 1 3/4 1/2 2 1/8 1 3/4 8 1/8 12 10 2.0 1 3/4 3 1/2 30 18 1/2 1/2 3 | 12 1/2 | 10 1/4 3.75

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M__//

Manher R Ray

DATE <u>8/11/16</u>

SHEET NO: R9-9.6

| PINT NATE * 11-AIR-2016 11:33 PINT RY * \$\$ DIOTUSER \$\$ PINT NAME: PINT SCALE * 2 918761*1 000000

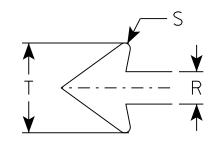
HWY:

PROJECT NO:

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 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 Paths and Trails.



R9-11

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	O	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 %	3 1/2	9 1/4	6 %	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 %	3 1/2	9 1/4	6 %	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 1/8	6 1/8		1 1/4	1/4	3 %							3.125
4																											
5																											

COUNTY:

STANDARD SIGN R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/29/16

PLATE NO. R9-11.3

SHEET NO:

HWY:

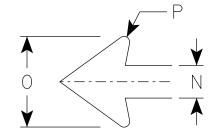
PROJECT NO:

 $D \rightarrow$

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White 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.
- 5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.



ARROW DETAIL

SIDEWALK CLOSED CROSS HERE	F
A	→
R9-11A	

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 %	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 %	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 ¾	1/2	2	10 1/4	12 3/8	8	6 3/4	1 1/4	3 %	1/4											3.125
4																											
5																											

COUNTY:

STANDARD SIGN R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVE

 $\frac{\mathcal{M}}{\sqrt{}}$ State Traffic Enginee

DATE 4/7/2020

PLATE NO. <u>R9-11A.4</u>

SHEET NO: **E**

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R911A.dgn

HWY:

PROJECT NO:

PLOT DATE: 07-APRIL-2020

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE :

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

Background - Yellow Message - Black

3. Message Series - E

	F G V
W10-	-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 %	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 %	5	2 1/2															12.57
5																											

COUNTY:

STANDARD SIGN W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 3/13/13 State Traffic Engineer PLATE NO. W10-1.8

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W101.DGN

PROJECT NO:

HWY:

PLOT DATE: 13-MAR-2013 11:06

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: 6.946657:1.000000



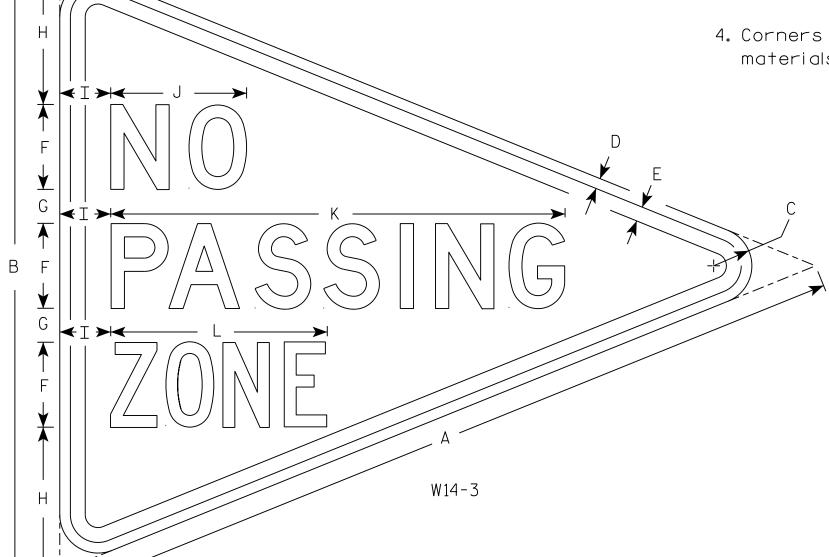
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											
	OJECT NO: HWY:												JNTY:	•	•	•	•			•	•	•	•			•	

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

//W/ For DATE _3/21/17

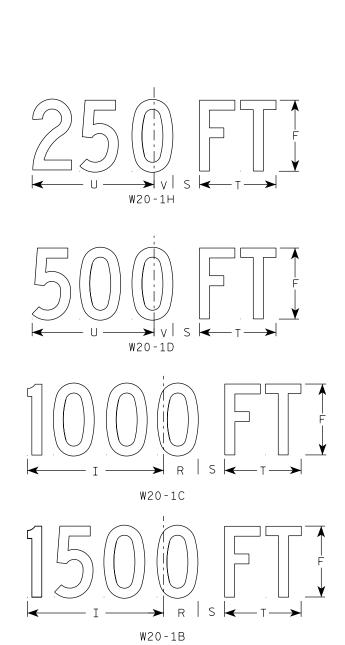
For State Traffic Engineer
TE 3/21/17 PLATE NO. W14-3.

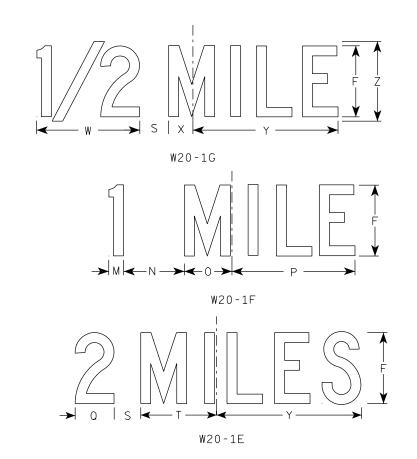
SHEET NO:

- 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 material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
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 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

SHEET NO:

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

PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

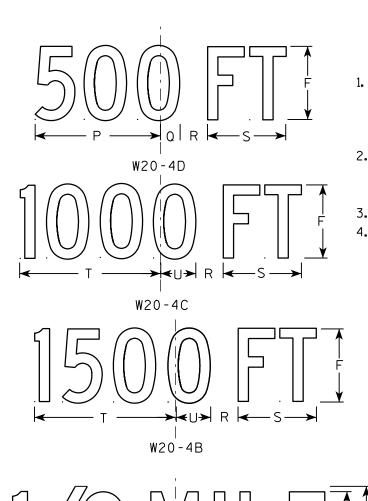
PLOT BY : dotc4c



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

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.



W20-4G

								W2	?0-4A													W20-4	4F				
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4	5	2 3/8	6	3 3/4	10	2 3/8	8	13 ½	7	8 1/8	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 ½	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 %	3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2	16.0

STANDARD SIGN W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 12:11

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

Background - Orange Message - Black

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.

	E C
W20-7A	

HWY:

SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	х	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4		2 3/4	13 1/2	14 %																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawl For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W207A.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 13:14

PLOT BY: mscj9h PLOT NAME:

PLOT SCALE: 7.945391:1.000000

- 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 material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	А	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	4	2	9 1/4 13 1/8	10 1/2															9.0
25	48		2 1/4	3/4	1	8	4	5	3	12 1/4 17 1/2	14															16.0
2M	48		2 1/4	3/4	1	8	4	5	3	12 1/4 17 1/2	14															16.0
3	48		2 1/4	3/4	1	8	4	5	3	12 1/4 17 1/2	14															16.0
4	48		2 1/4	3/4	1	8	4	5	3	12 1/4 17 1/2	14															16.0
5	48		2 1/4	3/4	1	8	4	5	3	12 1/4 17 1/2	14															16.0

COUNTY:

STANDARD SIGN W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-63.4 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2163.dgn

HWY:

PROJECT NO:

PLOT DATE: 30-APRIL 2020

PLOT BY : dotc4c

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

- 1. Sign is Type II Type F Reflective
- 2. Color:

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. Line 1 is Series C Lines 2 and 3 are Series D

E D

W21-65

HWY:

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	К	L	M	Ν	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1	36		1 %	5/8	3/4	5	3 1/4	10 %	11	11	11 %																9.0
2S	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 %	15 1/4																16.0
2M	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
3	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
4	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 %	15 1/4																16.0
5	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 5/8	15 1/4			·	·			·					·	·	·		16.0

COUNTY:

STANDARD SIGN W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew & Rough

For

DATE 5/28/14

PLATE NO. W21-65.1
SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W2165.dgn

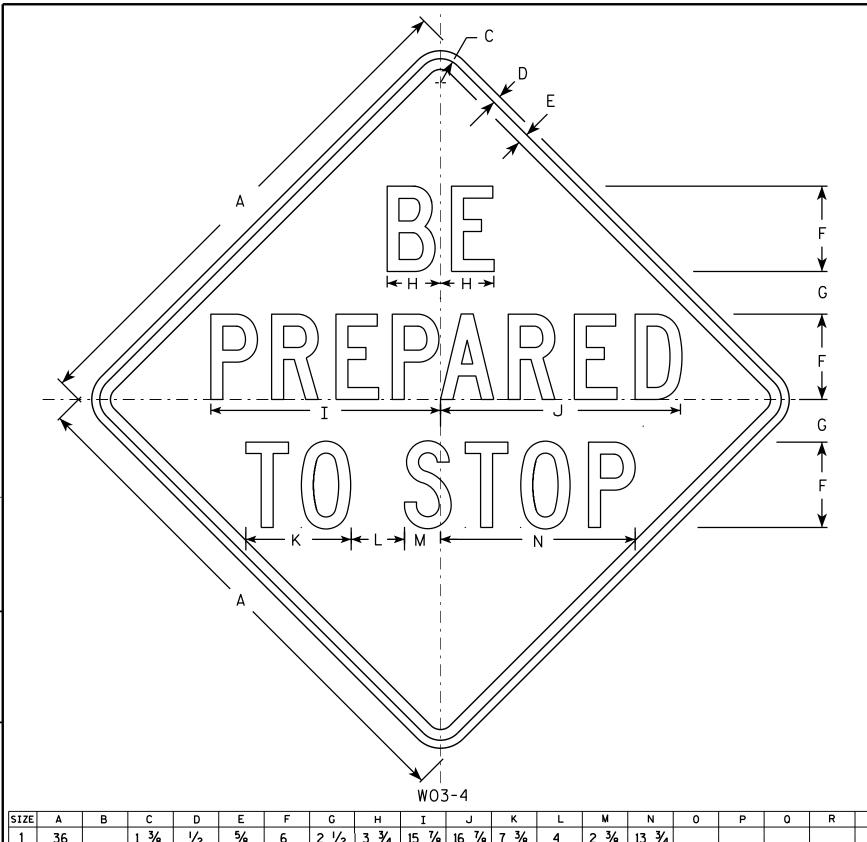
PROJECT NO:

PLOT DATE: 28-MAY-2014 13:24

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 9.729210:1.000000



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

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.

1 3/8 5/8 2 3/8 | 13 3/4 1/2 2 1/2 15 % 16 % 7 % 9.0 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 48 2 1/4 16.0 2 1/4 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 | 18 1/4 16.0 48 3/4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 16.0 48 4 21 1/2 22 1/2 9 7/8 5 3 3/8 18 1/4 2 1/4 3/4 48 8 16.0 5 3/4 21 1/2 22 1/2 9 7/8 3 3/8 18 1/4 48 2 1/4 8 16.0

COUNTY:

STANDARD SIGN W03 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 12/02/13

PLATE NO. W03-4.1 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W034.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-DEC-2013 14:02

PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT SCALE: 8.999518:1.000000

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

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.

F
WO11-2

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	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
25	48		2 1/4	3/4	1	19 3/8		15 ¾	5 %	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 ¾	5 %	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 %	10 1/4																	16.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 %	10 1/4																	16.0
5																											

COUNTY:

STANDARD SIGN WO11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

For State Traffic Engineer

SHEET NO:

DATE 4/8/2020 PLATE NO. WO11-2.1

HWY:

PLOT DATE: 08-APRIL-2020

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE :

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0112.DGN

PROJECT NO:

Background - Orange Message - Black

- 3. Corners may be square or rounded but corners shall be rounded when base material is metal.
- 4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

W016-7L

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	w	Х	Y	Z	Area sq. ft.
1	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
25	48	24	1/2	5/8	1 3/8	6	30°	11 ½	8	1	14																8.0
2M	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0

COUNTY:

STANDARD SIGN W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 7/11/18 PLATE NO. W016-7.1

PLATE NO. W016-7.1

SHEET NO: **E**

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

HWY:

PROJECT NO:

PLOT DATE: 11-JUL-2018 3:11

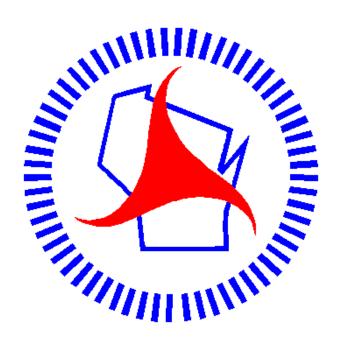
PLOT BY: mscj9h

PLOT NAME :

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

I I - 50L - i

Notes



Wisconsin Department of Transportation

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