FEBRUARY 2023 **FEDERAL PROJECT** STATE PROJECT STATE OF WISCONSIN PROJECT CONTRACT ORDER OF SHEETS PROJECT WITH: N/A 5263-00-60 WISC 2023239 Section No. DEPARTMENT OF TRANSPORTATION Section No. Typical Sections and Details Estimate of Quantities Section No. Section No. Miscellaneous Quantities ₽ PLAN OF PROPOSED IMPROVEMENT Standard Detail Drawings Section No **BARABOO - IH 90/94** Section No. 263-00-60 CITY VIEW RD/MAN MOUND RD TO CTH U **CTHT** TOTAL SHEETS = 42 **SAUK COUNTY END PROJECT** STA. 255+09.32 STATE PROJECT NUMBER **ACCEPTED FOR** 5263-00-60 COUNTY **TOWN OF LEWISTON** TOWN OF DELTON **COLUMBIA COUNTY** 10/13/2022 ORIGINAL PLANS PREPARED BY SASSER LAKE 1 90 T-13-N T-13-N Engineers - Architects - Surveyors T-12-N T-12-N DESIGN DESIGNATION A.A.D.T. 214 BD A.A.D.T. (2043)= 2075 = 187 D.H.V. D.D. = 60/40 10% (ASSUMED) FAIRFIELD 45 MPH (STA, 10+00 - STA, 16+96) **BEGIN PROJECT** DESIGN SPEED E-47578-6 55 MPH (STA, 16+96 - STA, 255+09.32) STA. 10+00 MUSCODA Y = 244,161.77 X = 657,103.38 SONAL E **CONVENTIONAL SYMBOLS PROFILE** GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOTLINE (To be noted as such) SPECIAL DITCH LIMITED HIGHWAY EASEMENT STATE OF WISCONSIN EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION T-11-N T-11-N Baraboo CULVERT (Profile View) SLOPE INTERCEPT REPARED BY UTILITIES JEWELL ASSOCIATES ENGINEERS, INC. REFERENCE LINE Surveyor ELECTRIC JEWELL ASSOCIATES ENGINEERS, INC. Designer **EXISTING CULVERT** FIBER OPTIC TOWN OF BARABOO **TOWN OF GREENFIELD** LORRAINE BETZEL, P.E Project Manager PROPOSED CULVERT SANITARY SEWER REGIONAL SUPERVISOR COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, SAUK 2 MI COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, TELEPHONE AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES. APPROVED FOR THE DEPARTMENT WATER MARSH AREA Norraine Betzel 10/14/22 ELEVATION SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = 4.642 (Signature) POWER POLE WOODED OR SHRUB AREA TELEPHONE POLE FILE NAME: S:\PROJECTS\W11628 WISDOT - CTH T SAUK CO. HRRRP DESIGN\SHEETSPLAN\52630060_TITLE SHEET.DWG TITLE SHEET 1 IN EQ 2 MI

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

CURVE DATA IS BASED ON THE ARC DEFINITION.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATIONS.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO "DIGGERS HOTLINE" AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE UTILITY CONFLICTS WITH SIGNS OR OTHER WORK UNDER THIS PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

EXISTING SIGNS NOT SHOWN ON PLAN ARE TO REMAIN. PRIOR TO PLACEMENT OF PERMANENT SIGNS THE ENGINEER IN THE FIELD WILL VERIFY PERMANENT SIGNING LOCATION. IF THERE IS A CONFLICT BETWEEN THE EXISTING SIGN AND PERMANENT SIGN THE ENGINEER IN THE FIELD WILL DETERMINE THE LOCATION OF THE PROPOSED PERMANENT SIGN PRIOR TO PLACEMENT.

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEM OF ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A VERTICAL EDGE MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

ASPHALTIC SURFACE QUANTITIES WERE CALCULATED USING 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF ASPHALTIC SURFACE.

CONTACTS

SAUK COUNTY HIGHWAY DEPARTMENT:

PATRICK GAVINSKI, COMMISSIONER P.O. BOX 26 WEST BARABOO, WI 53913 PH: (608) 355-4855 EMAIL: patrick.gavinski@saukcountywi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION:

DTSD SW REGION 2101 WRIGHT STREET MADISON, WI 53704 ATTN: LORRAINE BETZEL, P.E. PH: (608) 246-3279 EMAIL:Iorraine.betzel@dot.wi.gov DESIGN CONSULTANT:

JEWELL ASSOCIATES ENGINEERS, INC. 560 SUNRISE DRIVE SPRING GREEN, WI 53588 ATTN: DAN TRACY, P.E. PH: (608) 459-6052 CELL: (608) 604-6905 EMAIL: dan.tracy@jewellassoc.com WDNR LIAISON:

STATE OF WISCONSIN DNR SOUTH CENTREAL REGION HQ 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711 ATTN: ANDY BARTA PH: (608) 235-2955

EMAIL: andrew.barta@wisconsin.gov

UTILITIES

ELECTRICITY

ALLIANT ENERGY ATTN: RYAN DICKINSON 520 COMMERCE AVE BARABOO, WI 53913 PH: (608) 356-0610

EMAIL: ryandickinson@alliantenergy.com

ADAMS-COLUMBIA ELECTRIC COOPERATIVE ATTN: SHAWN PIETRZAK P.O. BOX 70 FRIENDSHIP, WI 53934 PH: (800) 831-8269 EMAIL: spietrzak@acecwi.com GAS

ALLIANT ENERGY
ATTN: RYAN DICKINSON
520 COMMERCE AVE
BARABOO, WI 53913
PH: (608) 356-0610
EMAIL: ryandickinson@alliantenergy.com



LIST OF STANDARD ABBREVIATIONS

ABUT	Abutment	INV	Invert	RDWY	Roadway
AC	Acre	IP	Iron Pipe or Pin	SALV	Salvaged
AGG	Aggregate	IRS	Iron Rod Set	SALV SAN S	Sanitary Sewer
AH	Ahead	JT	Joint	SEC.	Section
<	Angle	JCT	Junction		
ASPH	Asphaltic	LHF	Left-Hand Forward	SHLDR	Shoulder
AVG	Average	L	Length of Curve	SHR	Shrinkage
ADT	Average Daily Traffic	LIN FT	Linear Foot	SW	Sidewalk
BAD	Base Aggregate Dense	or LF	Linear 100t	S SQ	South
BK	Back	LC	Long Chord of Curve		Square
BF	Back Face	MH	Manhole	SF or SQ FT	Square Feet
BM	Bench Mark	MB	Mailbox	SY or SQ YD	Square Yard
BR	Bridge	ML or M/L	Match Line	STD	Standard
C or C/L	Center Line	N N	North	SDD	Standard Detail Drawings
CC	Center to Center	Ϋ́	North Grid Coordinate	STH	State Trunk Highways
C.E.	Commercial Entrance	ÓD	Outside Diameter	STA	Station
C.E. CTH		PLE	Permanent Limited	SS	Storm Sewer
CR	County Trunk Highway Creek		Easement	SG	Subgrade
CR CR	Crushed	PT	Point	SE	Superelevation
		PC	Point of Curvature	SL or S/L	Survey Line
CY or CU YD	Cubic Yard	PI	Point of Intersection	SV	Septic Vent
CP C & G	Culvert Pipe	PRC	Point of Reverse	T	Tangent
C & G D	Curb and Gutter Degree of Curve		Curvature	TEL	Telephone
DHV	Degree of Curve Design Hour Volume	PT	Point of Tangency	TEMP	Temporary
		POC	Point On Curve	TI	Temporary Interest
DIA	Diameter	POT	Point on Tangent	TLE	Temporary Limited
E	East	PVC	Polyvinyl Chloride		Easement
X	East Grid Coordinate	PCC	Portland Cement	t	Ton
ELEC	Electric (al)	LB	Concrete Pound	T or TN	Town
EL or ELEV	Elevation	PSI	Pounds Per Square Inch	TRANS	Transition
ESALS	Equivalent Single Axle Loads	P.E.	Private Entrance	TL or T/L	Transit Line
EBS	Excavation Below	R	Radius	T	Trucks (percent of)
250	Subgrade	RR	Railroad	TYP	Typical
FF	Face to Face	R	Range	UNCL	Unclassified
F.E.	Field Entrance	RL or R/L	Reference Line	UG	Underground Cable
F	Fill	RP	Reference Point	USH	United States Highway
FG	Finished Grade	RCCP	Reinforced Concrete	VAR	Variable
FL or F/L	Flow Line		Culvert Pipe	V	Velocity or Design Speed
FT	Foot	REQD	Required	VERT	Vertical
FTG	Footing	RES	Residence or Residential	VC	Vertical Curve
GN	Grid North	RW	Retaining Wall	VOL	Volume
HT	Height	RT	Right	WM	Water Main
CWT	Hundredweight	RHF	Right-Hand Forward	WV	Water Valve
HYD	Hydrant	R/W	Right-of-Way	W	West
INL	Inlet	RD	Road	WB	Westbound
ID	Inside Diameter	R	River	YD	Yard

ORDER OF SECTION 2 SHEETS:

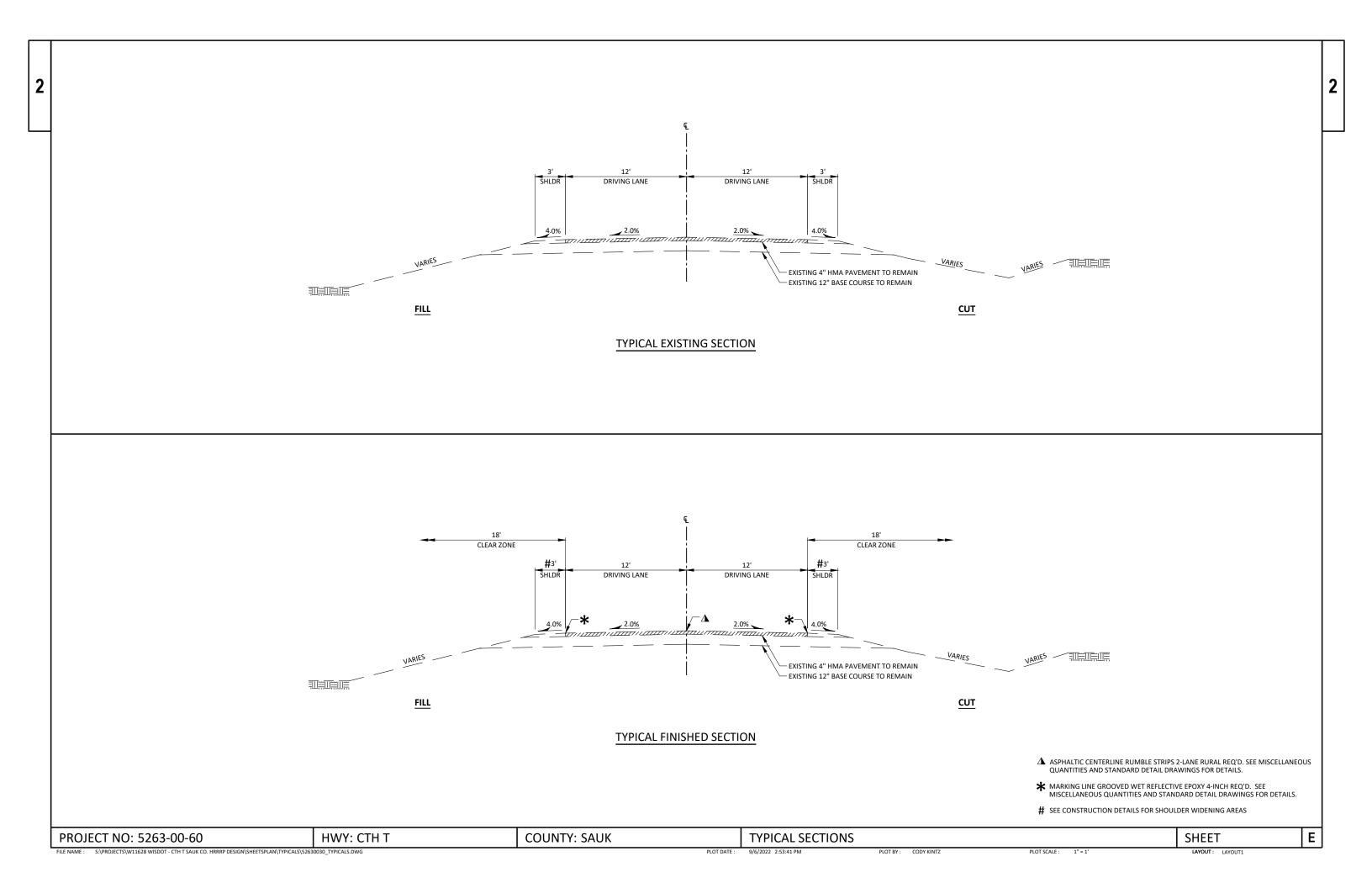
- GENERAL NOTES, UTILITIES, CONTACTS, & ABBREVIATIONS
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
 PLAN DETAILS

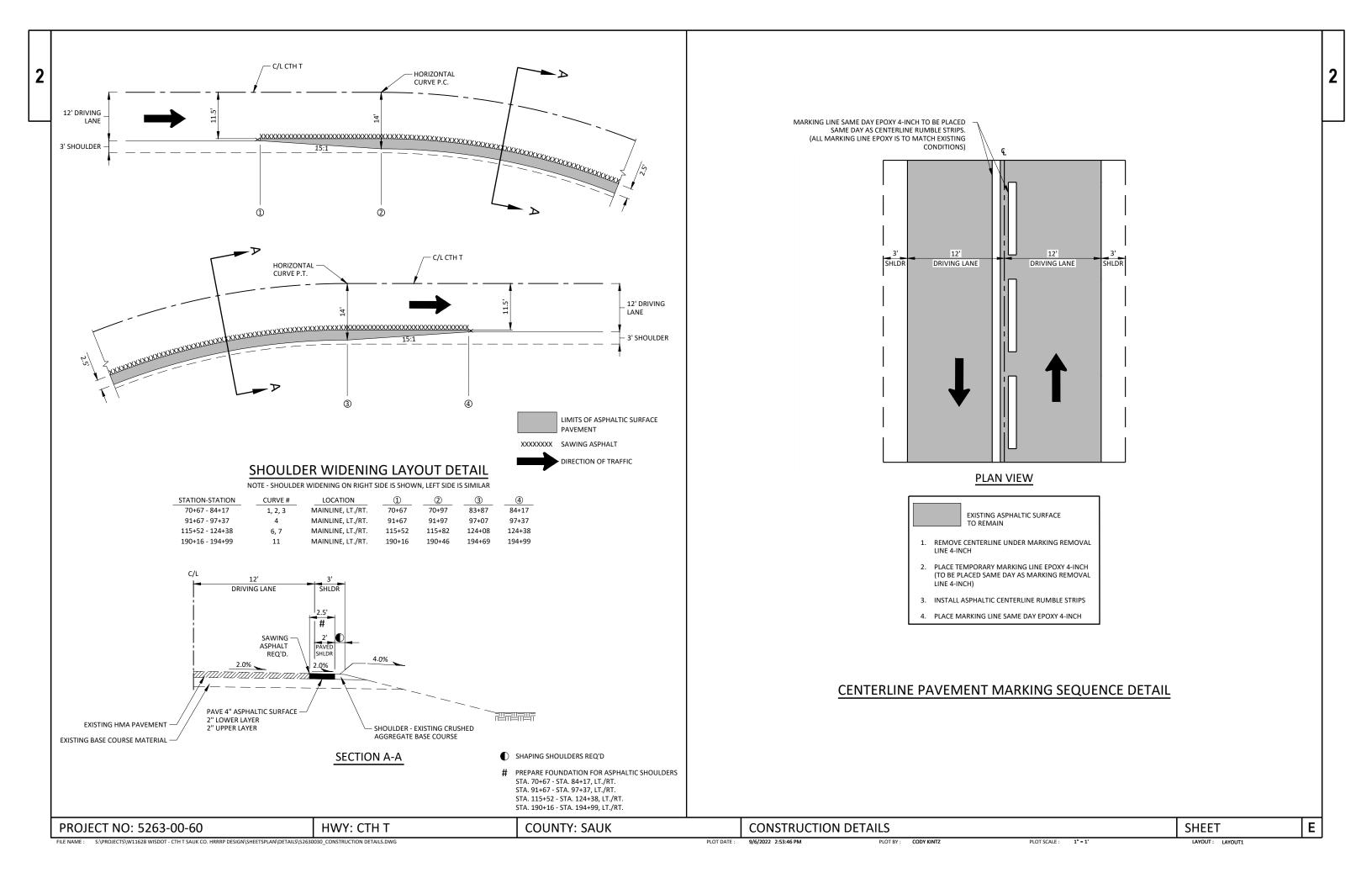
A CONTROL POINTS

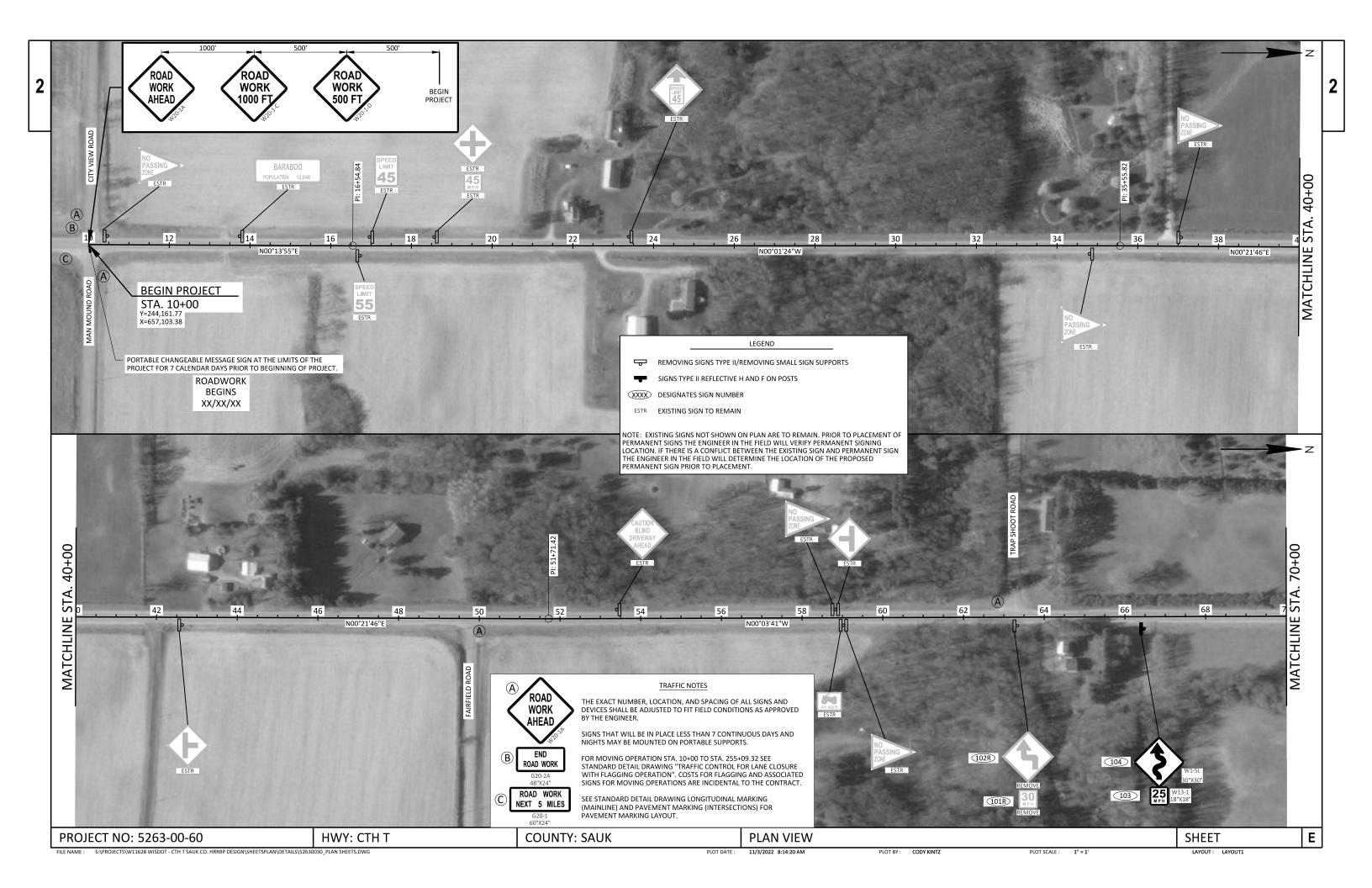
NO.	STA.	DESCRIPTION	Υ	X	Z
1	63+14	¾" I.R.S., 21.7' RT.	249,475.75	657,135.97	874.36
2	126+05	³ ⁄ ₄ " I.R.S., 17.8' LT.	254,057.82	659,914.53	850.69
3	166+34	NGS HARN, 34.4' RT.	255,648.38	663,614.94	858.86

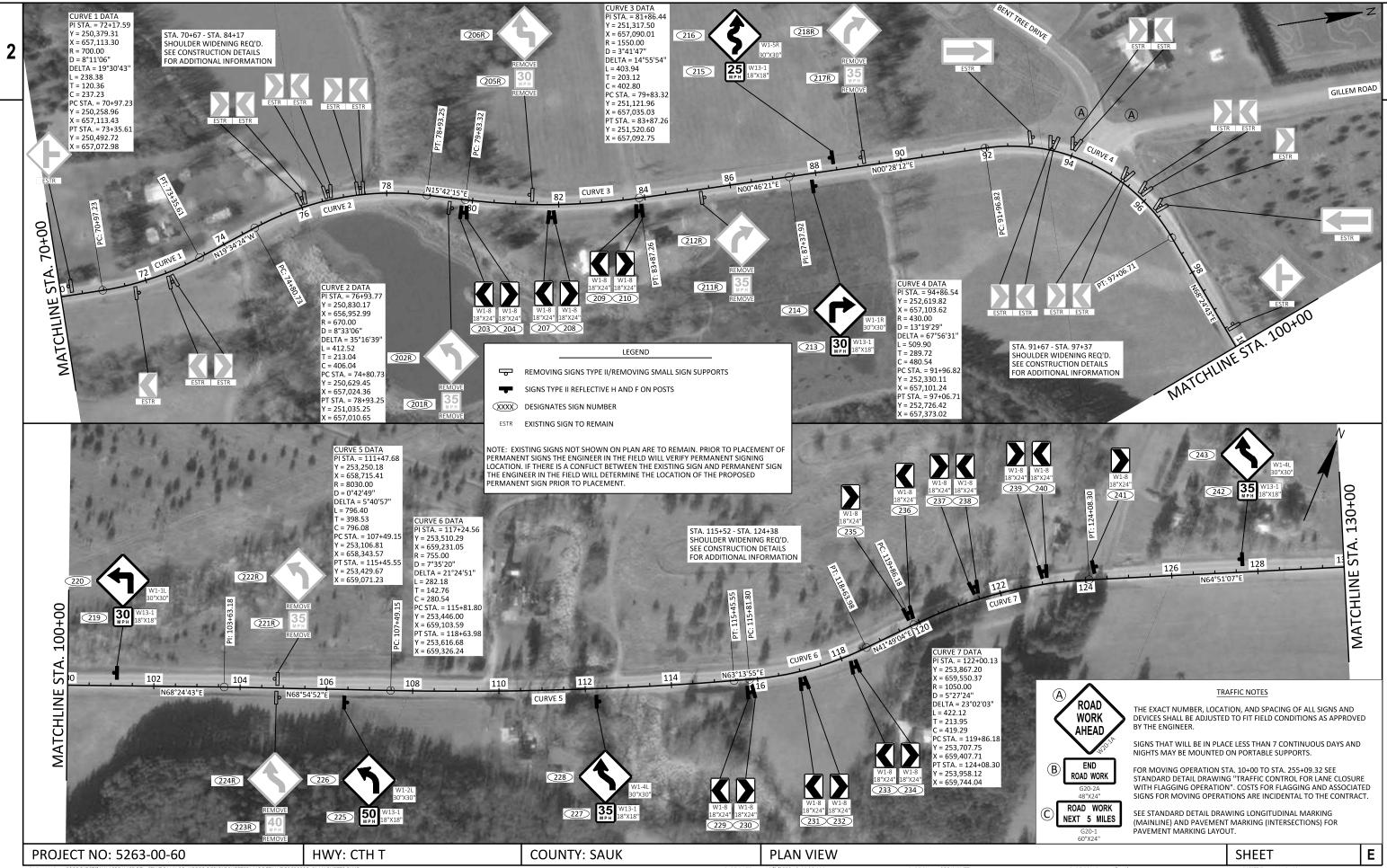
PROJECT NO: 5263-00-60 HWY: CTH T COUNTY: SAUK GENERAL NOTES, UTILITIES, CONTACTS, & ABBREVIATIONS SHEET **E**

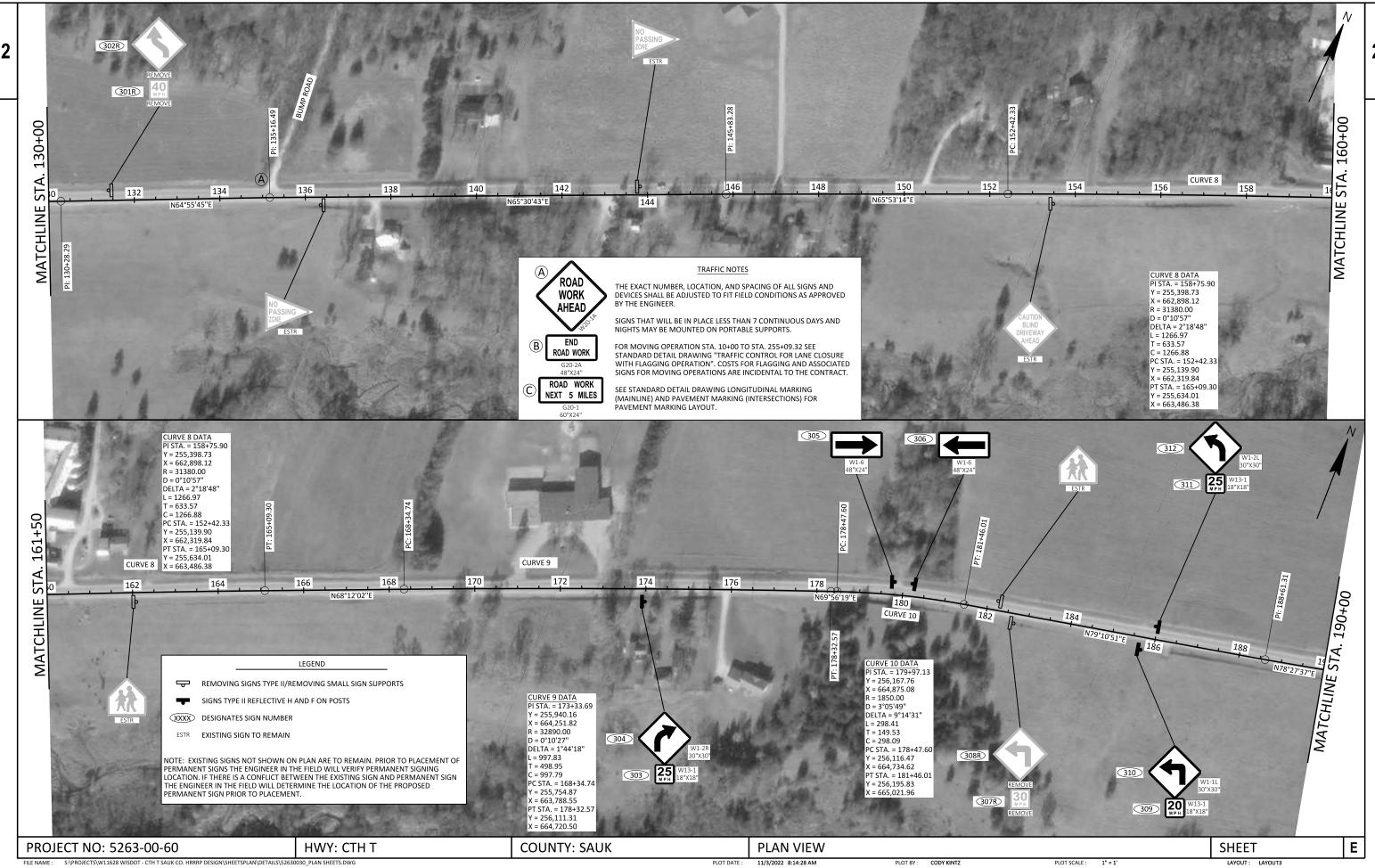


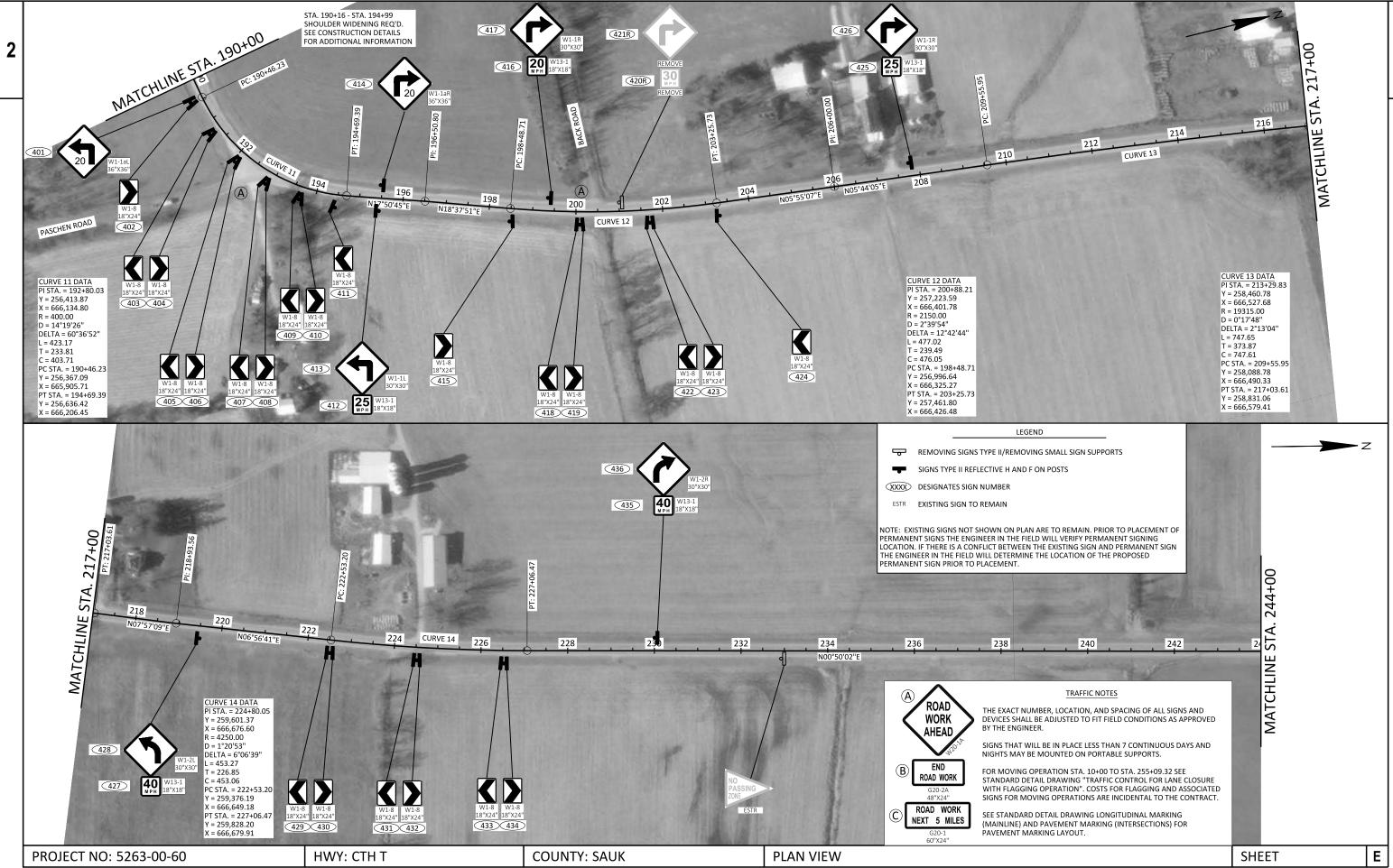




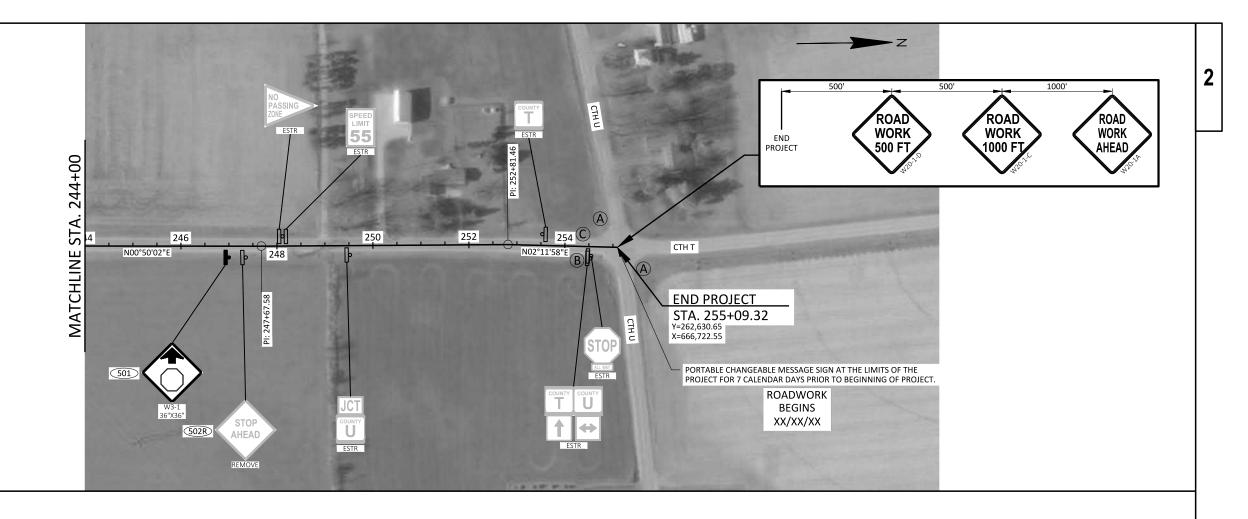














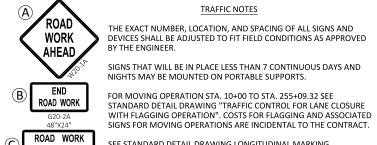
REMOVING SIGNS TYPE II/REMOVING SMALL SIGN SUPPORTS

SIGNS TYPE II REFLECTIVE H AND F ON POSTS

XXXX DESIGNATES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

NOTE: EXISTING SIGNS NOT SHOWN ON PLAN ARE TO REMAIN. PRIOR TO PLACEMENT OF PERMANENT SIGNS THE ENGINEER IN THE FIELD WILL VERIFY PERMANENT SIGNING LOCATION. IF THERE IS A CONFLICT BETWEEN THE EXISTING SIGN AND PERMANENT SIGN THE ENGINEER IN THE FIELD WILL DETERMINE THE LOCATION OF THE PROPOSED PERMANENT SIGN PRIOR TO PLACEMENT.



ROAD WORK
NEXT 5 MILES

G20-1
60"Y24"

SEE STANDARD DETAIL DRAWING LONGITUDINAL MARKING
(MAINLINE) AND PAVEMENT MARKING (INTERSECTIONS) FOR
PAVEMENT MARKING LAYOUT.

PROJECT NO: 5263-00-60 HWY: CTH T COUNTY: SAUK PLAN VIEW SHEET **E**

0048

690.0150 Sawing Asphalt

5263-00-60

Line	Item	Item Description	Unit	Total	Qty
0002	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	67.000	67.000
0004	213.0100	Finishing Roadway (project) 01. 5263-00-60	EACH	1.000	1.000
0006	305.0500	Shaping Shoulders	STA	67.000	67.000
8000	455.0605	Tack Coat	GAL	100.000	100.000
0010	465.0105	Asphaltic Surface	TON	480.000	480.000
0012	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	22,000.000	22,000.000
0014	619.1000	Mobilization	EACH	1.000	1.000
0016	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	24.000	24.000
0018	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	18.000	18.000
0020	637.2230	Signs Type II Reflective F	SF	293.500	293.500
0022	638.2602	Removing Signs Type II	EACH	21.000	21.000
0024	638.3000	Removing Small Sign Supports	EACH	11.000	11.000
0026	642.5001	Field Office Type B	EACH	1.000	1.000
0028	643.0300	Traffic Control Drums	DAY	70.000	70.000
0030	643.0900	Traffic Control Signs	DAY	650.000	650.000
0032	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0034	643.3120	Temporary Marking Line Epoxy 4-Inch	LF	37,800.000	37,800.000
0036	643.5000	Traffic Control	EACH	1.000	1.000
0038	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	48,600.000	48,600.000
0040	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	37,800.000	37,800.000
0042	646.9000	Marking Removal Line 4-Inch	LF	37,800.000	37,800.000
0044	650.8000	Construction Staking Resurfacing Reference	LF	24,510.000	24,510.000
0046	650.9911	Construction Staking Supplemental Control (project) 01. 5263-00-60	EACH	1.000	1.000

6,700.000 6,700.000

ſ			ASPHALTI	C SURFACE							RUMBLE ST	RIPS			TRAFFI	C CONTR	OL	
	STATION - STATION 70+67 - 84+17	CURVE #	LOCATION MAINLINE	211.0400 PREPARI FOUNDATI FOR ASPHA SHOULDER (STA)	E ON LTIC TACK	ASPHALTIC SURFACE (TON) 180	7 9	0+67 - 84+17	DERS 305.0500 LOCATION (STA) MAINLINE 27 MAINLINE 12 MAINLINE 18	STATION - STATIO	ON LOCATIO	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL ON (LF)	L(DCATION AINLINE	643.0300 TRAFFIC CONTROL DRUMS (DAY)	643.0900 TRAFFIC CONTROL SIGNS (DAY) 310	643.105 TRAFFIC CONTROL SIGNS PCMS (DAY)	643.5000 TRAFFIC CONTROL (EACH)
3	91+67 - 97+37 115+52 - 124+38 190+16 - 194+99	4 6, 7 11	MAINLINE MAINLINE MAINLINE	12 18 10	17 28 14	110 120 70		*	MAINLINE 10 TOTAL = 67	1+50 - 180+00 180+00 - 360+00 360+00 - 601+20) MAINLIN	E 8,700 IE 5,600	SII PCM	DEROADS IS BOARDS ROJECT	- 70 -	340 - -	- 14 -	- - 1
,			TOTALS =	67	100	480					TOTA	.LS= 22,000		TOTALS =	70	650	14	1
									PERMANENT SIGN	ING								
			SIGN	APPROX.			SIGN			SIZE	637.2230 SIGNS TYPE II REFLECTIVE F	POSTS WOOD 4X6- INCH 634.0616 634.0618 16 FT 18 FT	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	SIGN MOUNTE ON SAME	ED		
			NUMBER 101R	STATION	LOCATION MAINLINE	POSITIION RIGHT	CODE W13-1	SIGN DESCRIPTION ADVISORY SPEED LIMIT	ORDER LINES 30	(INCH X INCH)	(SF)	(EACH) (EACH)	(EACH)	(EACH) 1	POST AS			
			102R 103	63+33 66+50	MAINLINE MAINLINE	RIGHT RIGHT	W1-3L W13-1	REVERSE TURN LEFT ADVISORY SPEED LIMIT	- 25	- 18X18	- 2.25		1	-	101R -			
			104	66+50	MAINLINE	RIGHT	W1-5L	WINDING ROAD	-	30X30	6.25		- -	- -	103			
			201R 202R	79+55 79+55	MAINLINE MAINLINE	RIGHT -	W13-1 W1-2L	ADVISORY SPEED LIMIT LEFT CURVE	35 -	-	-		<u> </u>	1	201R			
			203 204	79+85 79+85	MAINLINE MAINLINE	RIGHT RIGHT	W1-8 W1-8	CHEVRON CHEVRON	- -	18X24 18X24	3.00 3.00	1 -	-	-	- 203			
			205R 206R	81+31 81+31	MAINLINE MAINLINE	LEFT LEFT	W13-1 W1-3L	ADVISORY SPEED LIMIT REVERSE TURN LEFT	30	<u>-</u>	-		1	1	- 205R			
			207	81+80	MAINLINE	RIGHT	W1-8	CHEVRON		18X24	3.00	1 -	-	-	-			
			208 209	81+80 83+85	MAINLINE MAINLINE	RIGHT RIGHT	W1-8 W1-8	CHEVRON CHEVRON	-	18X24 18X24	3.00 3.00	 1 -	-	-	207 -			
			210 211R	83+85 85+37	MAINLINE MAINLINE	RIGHT RIGHT	W1-8 W13-1	CHEVRON ADVISORY SPEED LIMIT	- 35	18X24 -	3.00		- 1	- 1	209 -			
			212R 213	85+37 87+95	MAINLINE MAINLINE	RIGHT RIGHT	W1-2R W13-1	RIGHT CURVE ADVISORY SPEED LIMIT	30	- 18X18	2.25	1	1 -	-	211R			
			214	87+95	MAINLINE	RIGHT	W1-1R	RIGHT TURN	-	30X30	6.25		-	-	213			
			215 216	88+35 88+35	MAINLINE MAINLINE	LEFT	W13-1 W1-5R	ADVISORY SPEED LIMIT WINDING ROAD	25 	18X18 30X30	2.25 6.25	- 1	-	- - <u> </u>	215			
			217R 218R	89+08 89+08	MAINLINE MAINLINE	LEFT LEFT	W13-1 W1-2R	ADVISORY SPEED LIMIT RIGHT CURVE	35 -	- -	-		1 1	1 -	- 217R			
			219 220	101+05 101+05	MAINLINE MAINLINE	LEFT LEFT	W13-1 W1-1L	ADVISORY SPEED LIMIT LEFT TURN	30	18X18 30X30	2.25 6.25	- 1	-	-	- 219			
			221R	104+79	MAINLINE	LEFT	W13-1	ADVISORY SPEED LIMIT	35				1	1	<u> </u>			
			222R 223R	104+79 104+91	MAINLINE MAINLINE	LEFT RIGHT	W1-2L W13-1	LEFT CURVE ADVISORY SPEED LIMIT	- 40	-	-		1 1	- 1	221R -			
			224R 225	104+91 106+50	MAINLINE MAINLINE	RIGHT RIGHT	W1-4L W13-1	REVERSE CURVE LEFT ADVISORY SPEED LIMIT	- 50	- 18X18	- 2.25	 - 1	1 -	-	223R -			
			<u>226</u> 227	106+50 112+30	MAINLINE MAINLINE	RIGHT RIGHT	W1-2L W13-1	LEFT CURVE ADVISORY SPEED LIMIT	 35	30X30 18X18	6.25 2.25				225			
			228	112+30	MAINLINE	RIGHT	W1-4L	REVERSE CURVE LEFT	-	30X30	6.25	- I	-	-	227			
			229 230	115+80 115+80	MAINLINE MAINLINE	RIGHT RIGHT	W1-8 W1-8	CHEVRON CHEVRON	- -	18X24 18X24	3.00 3.00	1 - 	-	-	229			
			<u>231</u> 232	117+00 117+00	MAINLINE MAINLINE	RIGHT -	W1-8 W1-8	CHEVRON CHEVRON	<u> </u>	18X24 18X24	3.00		-	-	231			
			233 234	118+20 118+20	MAINLINE MAINLINE	RIGHT RIGHT	W1-8 W1-8	CHEVRON CHEVRON	-	18X24 18X24	3.00 3.00	1 -	-	-	233			
			235	119+85	MAINLINE	LEFT	W1-8	CHEVRON	- -	18X24	3.00	1 -	-	-	-			
			<u>236</u> 237	119+85 121+45	MAINLINE MAINLINE	LEFT LEFT	W1-8 W1-8	CHEVRON CHEVRON		18X24 18X24	3.00		-		235			
			238 239	121+45 123+05	MAINLINE MAINLINE	LEFT LEFT	W1-8 W1-8	CHEVRON CHEVRON	-	18X24 18X24	3.00 3.00	 1 -	-	-	237			
			240	123+05	MAINLINE	LEFT	W1-8	CHEVRON	-	18X24	3.00	- - -	-	-	239			
			241 242	124+25 127+60	MAINLINE MAINLINE	LEFT	W1-8 W13-1	CHEVRON ADVISORY SPEED LIMIT	35	18X24 18X18	3.00 2.25	<u> </u>	-	-				
			243 301R	127+60 131+40	MAINLINE MAINLINE	LEFT LEFT	W1-4L W13-1	REVERSE CURVE LEFT ADVISORY SPEED LIMIT	- 40	30X30 -	6.25 -		- 1	- 1	242 -			
			302R 303	131+40 174+00	MAINLINE MAINLINE	LEFT RIGHT	W1-4L W13-1	REVERSE CURVE LEFT ADVISORY SPEED LIMIT	- 25	- 18X18	- 2.25	 - 1	1 -	- -	301R -			
				17 1100	IVIT VIT VETT VE		** 10-1	AS FIGURE OF ELD LIMIT		SHEET TOTALS =	118.75	10 8	16	8	·			
ŀ	PROJECT NO: 5	263-00-6	 50		HWY: CTH T			COUNTY: SAUK		GILLI TOTALG -		IISCELLANEOUS (SI	HEET	E
L	ILE NAME : S:\PROJECTS\W11628			HEETSPLAN\DETAILS\52630				1 22 3	PLOT	DATE: 11/3/2022 8:14:43 AM	17	PLOT BY: CODY KINTZ		PLOT SCALE : 1"	= 1'		AYOUT: LAYOUT1	

3

PERMANENT SIGNING CONTINUED

								637.2230		OOD 4X6-	638.2602	638.3000	
								SIGNS TYPE II		CH 634.0618	REMOVING SIGNS	REMOVING	SIGN MOUNTED
SIGN	APPROX.			SIGN			SIZE	REFLECTIVE F	16 FT	18 FT	TYPE II	SMALL SIGN SUPPORTS	ON SAME
NUMBER	STATION	LOCATION	POSITIION	CODE	SIGN DESCRIPTION	ORDER LINES	(INCH X INCH)	(SF)	(EACH)	(EACH)	(EACH)	(EACH)	POST AS
304	174+00	MAINLINE	RIGHT	W1-2R	RIGHT CURVE	ORDER LINES	30X30	6.25	(EACH)	(EACH)	(EACH)	(EACH)	303
305	179+80	MAINLINE	LEFT	W1-2R W1-6	DIRECTIONAL ARROW RIGHT	-	48X24	8.00	- 1	-	-	-	303
						-	48X24 48X24		1	-	-	-	-
306	180+20	MAINLINE	LEFT	W1-6 W13-1	DIRECTIONAL ARROW LEFT	-		8.00	ı	-	1	1	-
307R 308R	182+67 182+67	MAINLINE MAINLINE	RIGHT RIGHT	W1-1L	ADVISORY SPEED LIMIT LEFT TURN	30	-	=	-	-	1	ļ	- 307R
309	185+70	MAINLINE	RIGHT	W13-1	ADVISORY SPEED LIMIT	20	- <u> </u>	2.25					
310	185+70	MAINLINE	RIGHT	W1-1L	LEFT TURN		30X30	6.25	-	ı	-	-	309
311	185+95	MAINLINE	LEFT	W13-1	ADVISORY SPEED LIMIT	- 25	18X18	2.25	-	1	-	-	309
312	185+95	MAINLINE	LEFT	W1-2L	LEFT CURVE	25	30X30	6.25	-	ļ	-	-	311
401	190+45	MAINLINE	RIGHT	W1-2L	LEFT CORVE LEFT TURN W/ ADVISORY SPEED	20	36X36	9.00	-	1	-	-	311
402	190+45	MAINLINE	RIGHT	W1-8	CHEVRON		18X24	3.00		<u> </u>			401
403	191+25	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	1	-	-	-	-
404	191+25	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	•	-	-	-	403
405	192+05	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	1	-	-	-	403
406		MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	ı	-	=	-	- 405
407	<u>192+05</u> 192+85	MAINLINE	RIGHT	W1-8	CHEVRON		18X24	3.00					405
408	192+85	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	į	-	-	-	- 407
409	193+65	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	- 1	-	-	-	407
410	193+65	MAINLINE		W1-8		-			I	-	-	-	400
		MAINLINE	RIGHT	W1-8	CHEVRON CHEVRON	-	18X24 18X24	3.00 3.00	-	-	-	-	409
<u>411</u> 412	<u>194+45</u> 195+45	MAINLINE	_ RIGHT RIGHT	W13-1	CHEVRONADVISORY SPEED LIMIT		18X18	2.25					
413	195+45	MAINLINE	RIGHT	W1-1L	LEFT TURN		30X30	6.25	-	ı	-	-	- 412
414	195+45	MAINLINE	LEFT	W1-1L W1-1aR		- 20	36X36		-	-	-	-	412
415	198+50	MAINLINE	RIGHT	W1-1aR W1-8	RIGHT TURN W/ ADVISORY SPEED CHEVRON			9.00 3.00	-	ı	-	-	-
415	199+35	MAINLINE	LEFT	W13-1	ADVISORY SPEED LIMIT	- 20	18X24 18X18	2.25	ı	- 1	-	-	-
417	199+35	MAINLINE	LEFT	W1-1R	RIGHT TURN		30X30	6.25		<u> </u>			416
418	200+10	MAINLINE	RIGHT	W1-1K	CHEVRON	-	18X24	3.00	- 1	-	-	-	410
419	200+10	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	Į	-	-	-	- 418
419 420R			LEFT	W13-1	ADVISORY SPEED LIMIT				-	-	-	- 1	
420R 421R	201+00	MAINLINE MAINLINE	LEFT	W1-1R	RIGHT TURN	30	-	-	-	-	1	ı	- 420R
4218	<u>201+00</u> 201+70	MAINLINE	RIGHT	W1-1K	KIGHI TURN CHEVRON		18X24	3.00					420R
423	201+70	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	Į	-	-	-	- 422
424	203+30	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	- 1	-	-	-	422
425	207+75	MAINLINE	LEFT	W13-1	ADVISORY SPEED LIMIT	- 25	18X18	2.25	Į	-	-	-	-
426	207+75	MAINLINE	LEFT	W1-1R	RIGHT TURN	-	30X30	6.25	-	ı	-	-	- 425
427	219+50	MAINLINE	RIGHT	W13-1	ADVISORY SPEED LIMIT	40	18X18	2.25					- 425
428	219+50	MAINLINE	RIGHT	W1-2L	LEFT CURVE	40	30X30	6.25	-	,	-	-	- 427
429	222+55	MAINLINE	RIGHT	W1-2L	CHEVRON	-	18X24	3.00	1	-	-	-	-
430	222+55	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00		-	-	-	- 429
431	224+55	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	1	-	-	-	423
432	224+55	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	ı	-	-	-	431
433	226+55	MAINLINE	RIGHT	W1-8	CHEVRON	<u> </u>	18X24	3.00					451
434	226+55 226+55	MAINLINE	RIGHT	W1-8	CHEVRON	-	18X24	3.00	1	-	-	-	433
434 435	230+00	MAINLINE	LEFT	W13-1	ADVISORY SPEED LIMIT	40	18X18	2.25	-	1	-	-	433
436	230+00	MAINLINE	LEFT	W1-2R	RIGHT CURVE	40	30X30	6.25	-		-	-	- 435
501	247+00	MAINLINE	RIGHT	W1-2R W3-1	STOP AHEAD SIGN	-	36X36	9.00	-	1	-	-	400
502R	247+00 247+35	MAINLINE	RIGHT	W3-1	"STOP AHEAD SIGN	-	-	9.00	-	_	1	1	-
		IVIAHNEHNE	NONI	- AAO-1	STOF AHEAD SIGN	-	·						
							SHEET TOTALS =	174.75	14	10	5	3	
							PROJECT TOTALS =	293.50	24	18	21	11	

Е COUNTY: SAUK SHEET PROJECT NO: 5263-00-60 HWY: CTH T MISCELLANEOUS QUANTITIES PLOT BY: CODY KINTZ PLOT SCALE : 1" = 1'

PAVEMENT MARKING

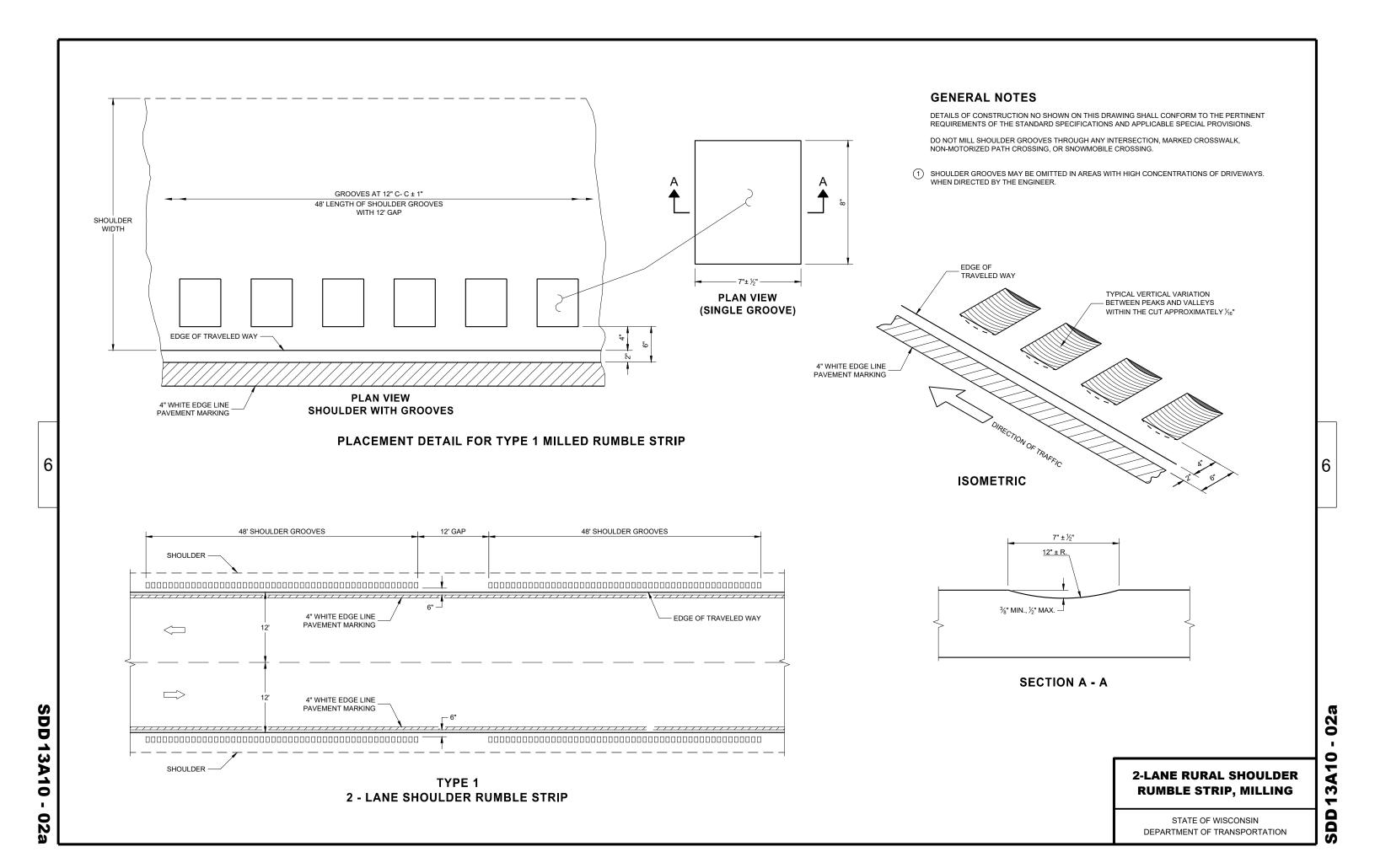
					646,1040				
			643.	3120	MARKING LINE GROOVED	646.4	4520	646.	9000
			TEMPORY MARKING	LINE EPOXY 4-INCH	WET REF EPOXY 4-INCH	MARKING LINE SAME	DAY EPOXY 4-INCH	MARKING REMO	VAL LINE 4-INCH
			YELLOW	YELLOW	WHITE	YELLOW	YELLOW	YELLOW	YELLOW
			SOLID	4' SKIPS	SOLID	SOLID	12.5' SKIPS	SOLID	12.5' SKIPS
STATION - STATION	LOCATION	DESCRIPTION	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)
10+00 - 10+31	MAINLINE	DOUBLE YELLOW	70	-	-	70	•	70	-
10+31 - 19+98	MAINLINE	SB PASSING	967	250	-	967	250	967	250
19+98 - 23+55	MAINLINE	DOUBLE YELLOW	714	-	-	714	-	714	-
23+55 - 34+79	MAINLINE	NB PASSING	1,124	288	-	1,124	288	1,124	288
34+79 - 37+11	MAINLINE	PASSING		50	<u> </u>		50		50
37+11 - 47+71	MAINLINE	SB PASSING	1,060	275	-	1,060	275	1,060	275
47+71 - 49+73	MAINLINE	DOUBLE YELLOW	404	-	-	404	-	404	-
49+73 - 59+02	MAINLINE	NB PASSING	929	238	-	929	238	929	238
59+02 - 72+18	MAINLINE	SB PASSING	1,316	338	-	1,316	338	1,316	338
72+18 - 128+91	MAINLINE	DOUBLE YELLOW	11,346	<u> </u>		11,346		11,346	
128+91 - 136+33	MAINLINE	NB PASSING	742	188	-	742	188	742	188
136+33 - 143+80	MAINLINE	PASSING	-	194	-	-	194	-	194
143+80 - 156+73	MAINLINE	SBPASSING	1,293	325	-	1,293	325	1,293	325
156+73 - 223+59	MAINLINE	DOUBLE YELLOW	13,372	-	-	13,372	-	13,372	-
223+59 - 232+95	MAINLINE	NB PASSING	936	238	-	936	238	936	238
232+95 - 248+18	MAINLINE	PASSING	-	338	-	-	338	-	338
248+18 - 254+60	MAINLINE	SBPASSING	642	163	-	642	163	642	163
10+00 - 255+09.32	MAINLINE	WHITE EDGELINES		<u> </u>	48,600				
		SUBTOTALS =	34,915	2,885	-	34,915	2,885	34,915	2,885
		TOTALS=	37,	800	48,600	37,8	300	37,	800

	CONSTRUC	CTION STAKING			SAWING	S ASPHALT	
STATION - STATION 1+50 - 180+00 180+00 - 360+00 360+00 - 601+20 -	LOCATION MAINLINE MAINLINE MAINLINE PROJECT	650.8000 RESURFACING REFERENCE (LF) 9,000 9,000 6,510	650.9911 SUPPLEMENTAL CONTROL (01. 5263-00-60 (EACH) 1	STATION - STATION 70+67 - 84+17 91+67 - 97+37 115+52 - 124+38 190+16 - 194+99	CURVE # 1, 2, 3 4 6, 7 11	LOCATION MAINLINE LT./RT. MAINLINE LT./RT. MAINLINE LT./RT. MAINLINE LT./RT.	690.0150 (LF) 2,750 1,160 1,800 990
	TOTALS =	24,510	1			TOTAL-	0,700

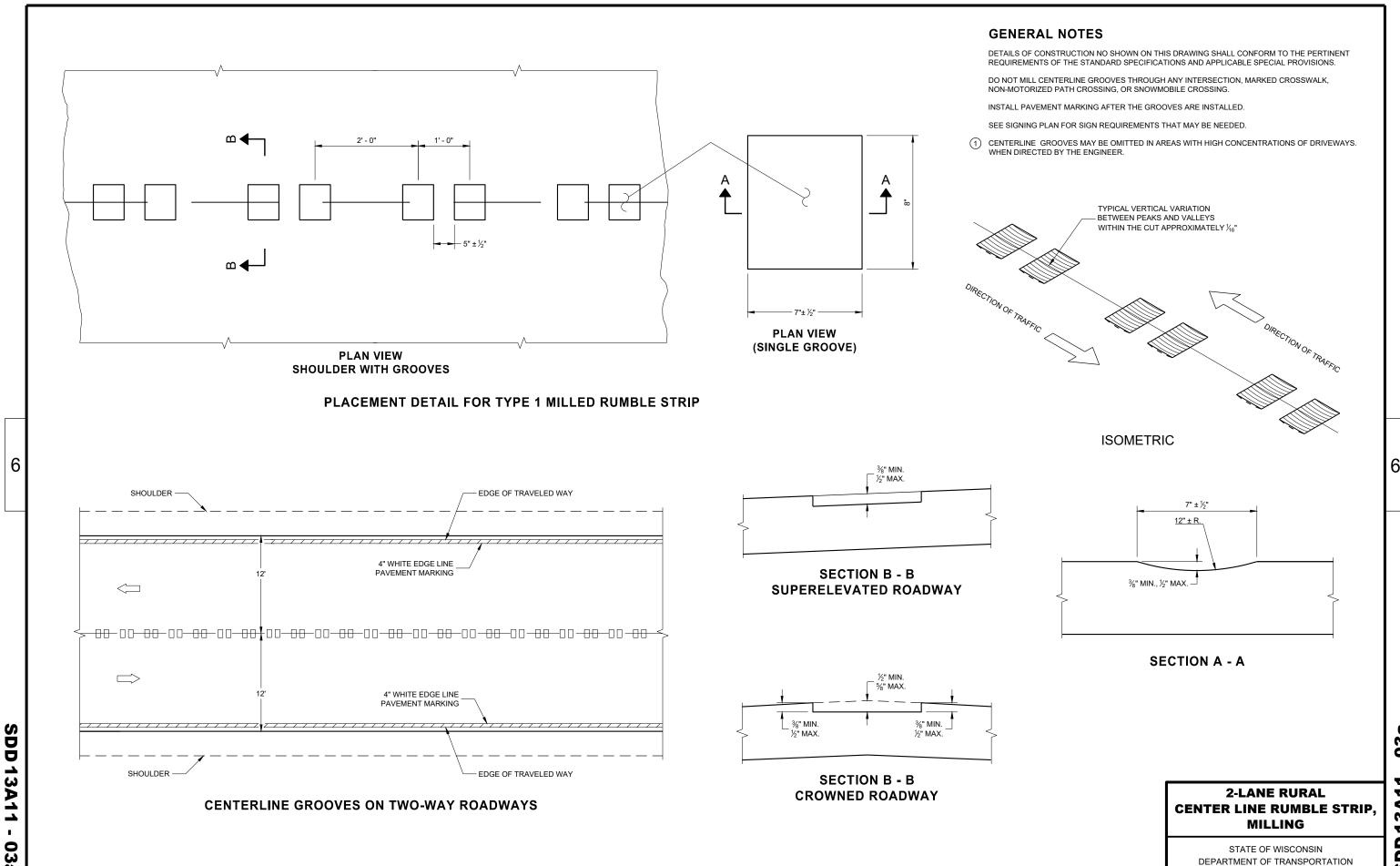
HWY: CTH T COUNTY: SAUK SHEET E PROJECT NO: 5263-00-60 MISCELLANEOUS QUANTITIES PLOT SCALE : 1" = 1'

Standard Detail Drawing List

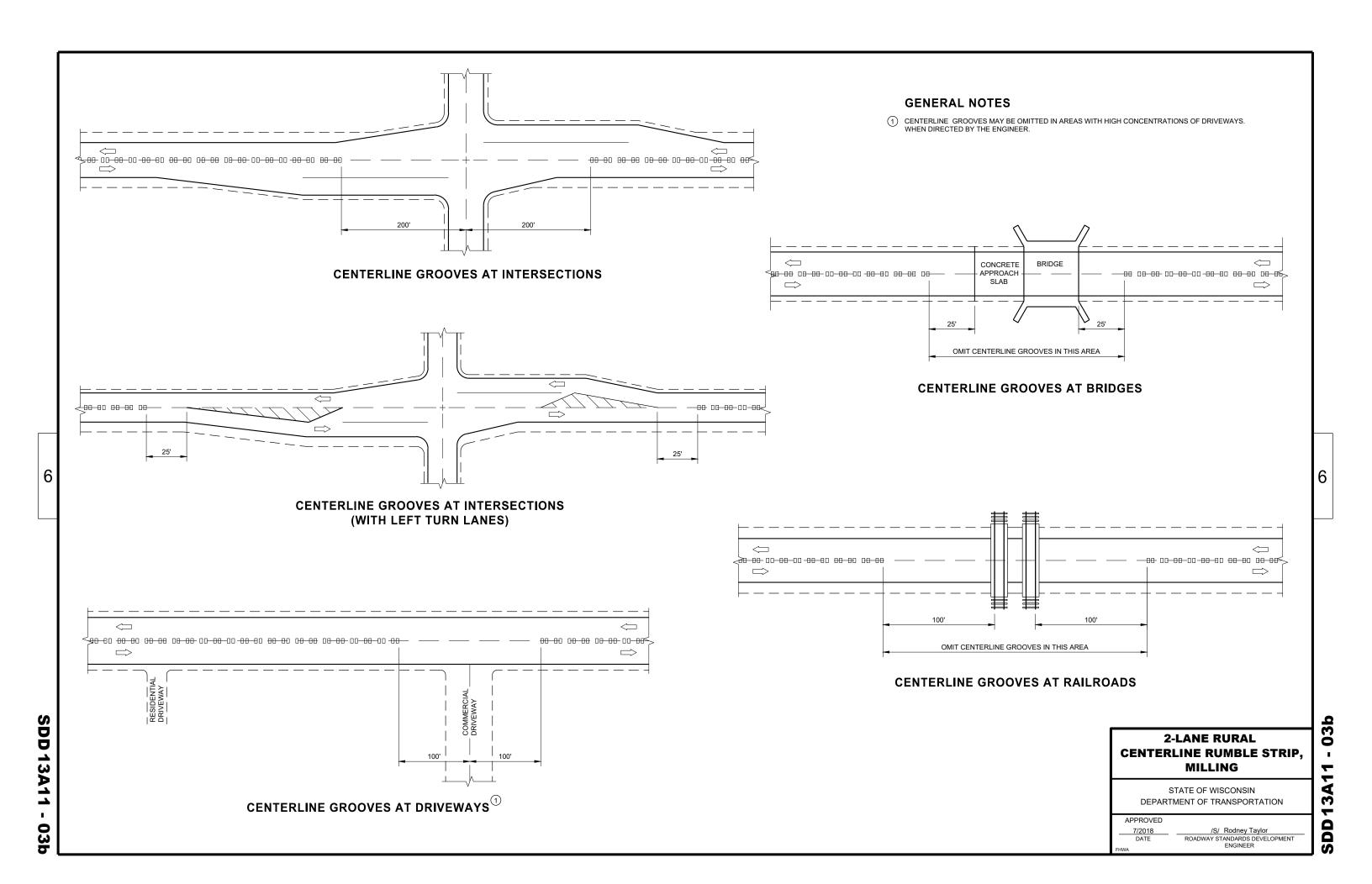
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-07A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

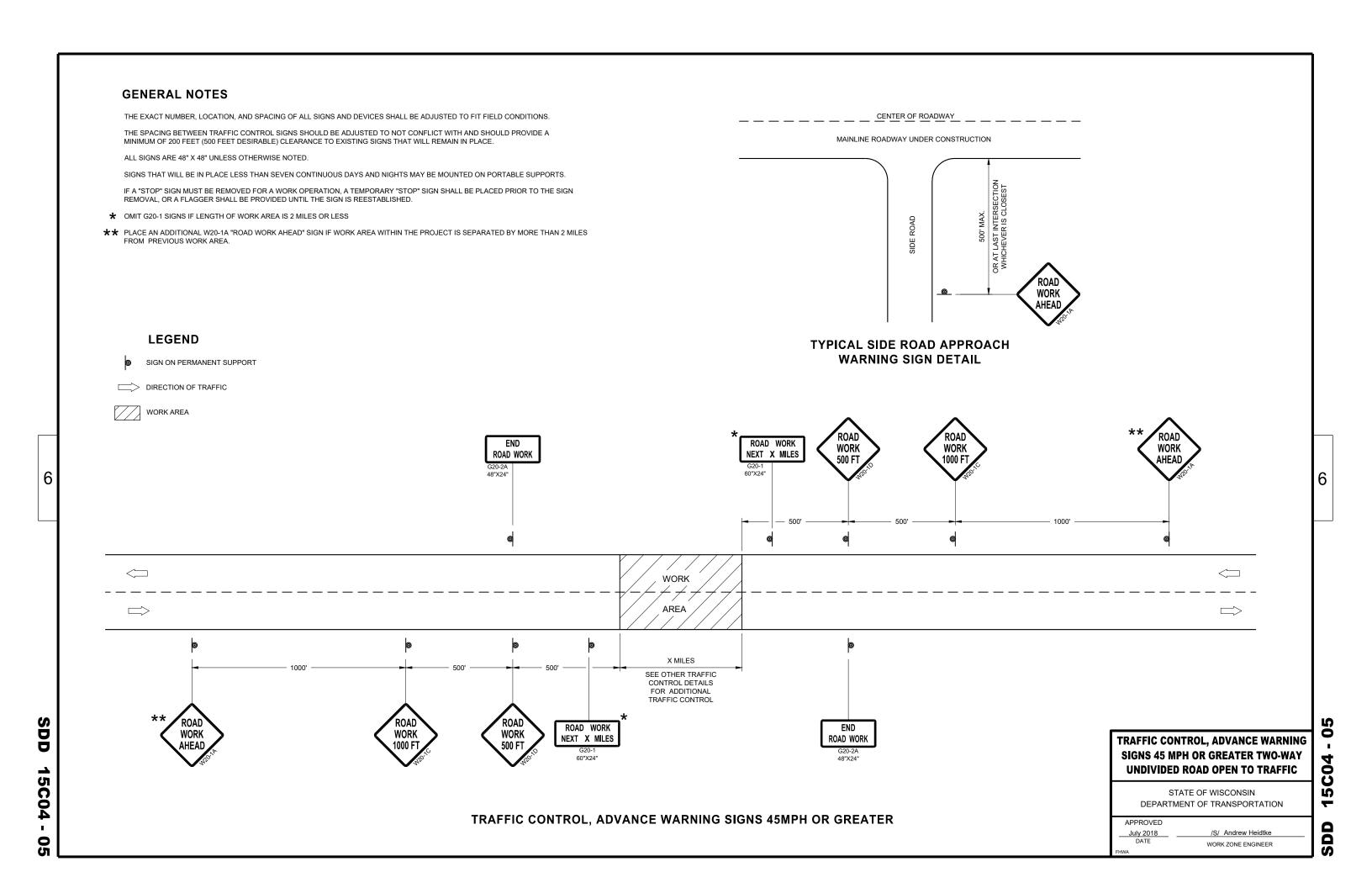


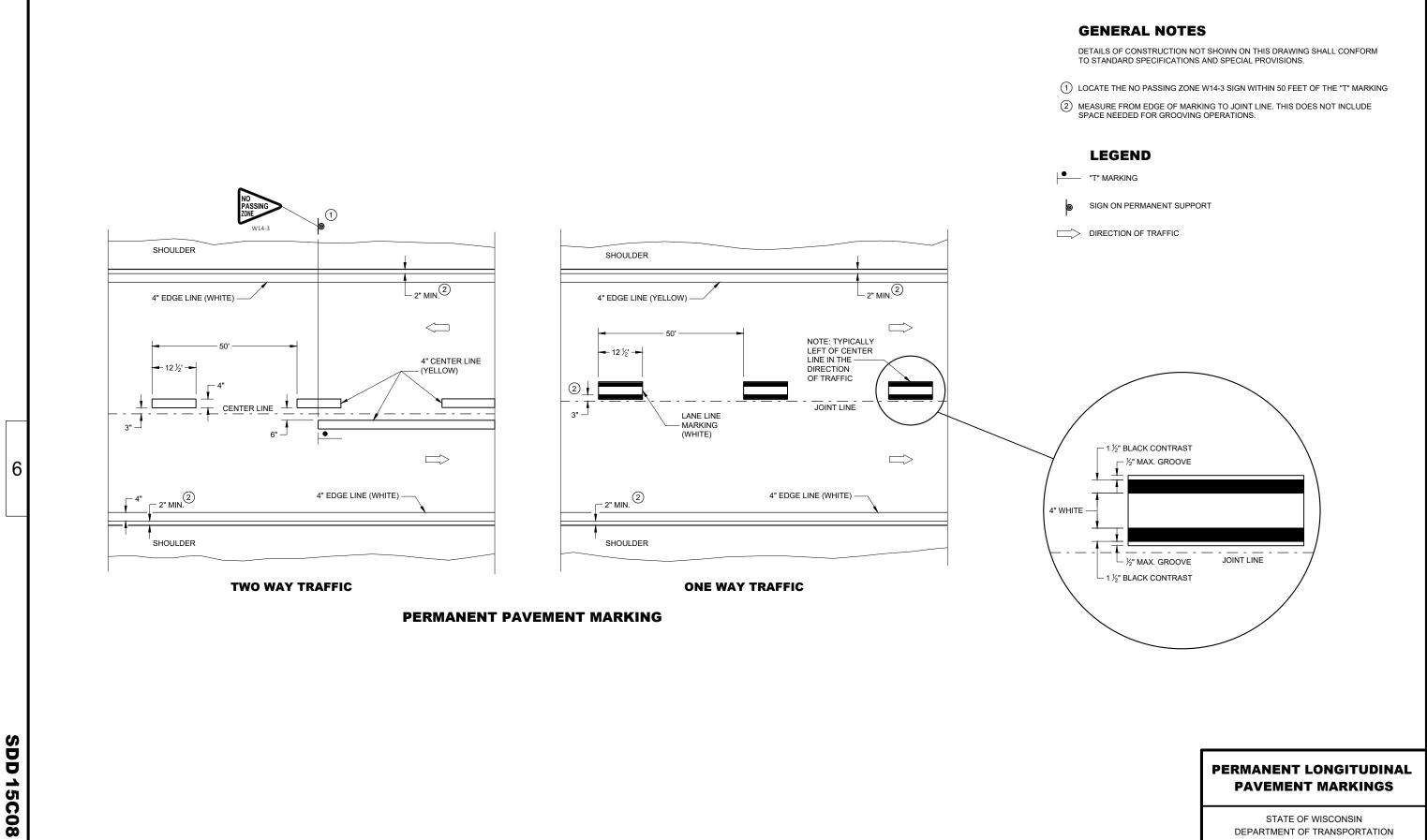
DEPARTMENT OF TRANSPORTATION



SDD







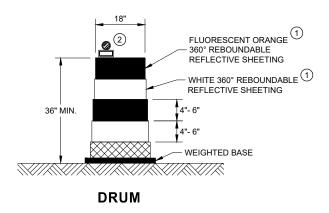
6

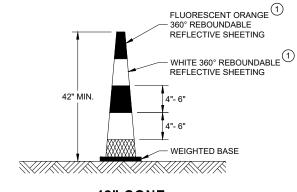
APPROVED May 2022 DATE /S/ Jeannie Silver
STATEWIDE SIGNING AND MARKING
ENGINEER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

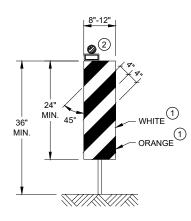
GENERAL NOTES

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

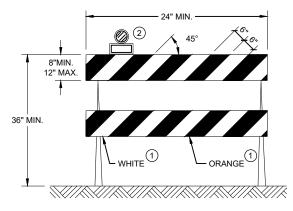




42" CONE DO NOT USE IN TAPERS ½ SPACING OF DRUMS

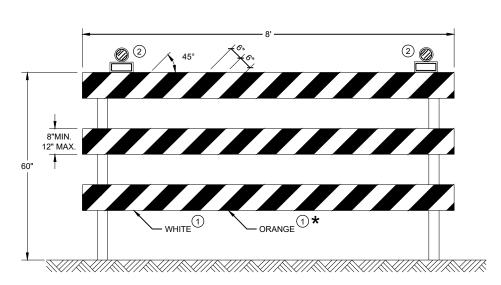


VERTICAL PANEL THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

<u>60</u>

15C

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

WORK

STRIPS

ROAD

GENERAL NOTES FLAGGING LEGEND FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON SIGN ON PORTABLE OR PERMANENT SUPPORT UNIFORM TRAFFIC CONTROL DEVICES. PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. 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. (2) 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 FLAGGER, EQUIPPED WITH STOP/SLOW ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT PADDLE FASTENED ON SUPPORT STAFF THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM 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 SPACING "A" SPEED LIMIT 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 350' STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE RUMBLE

TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

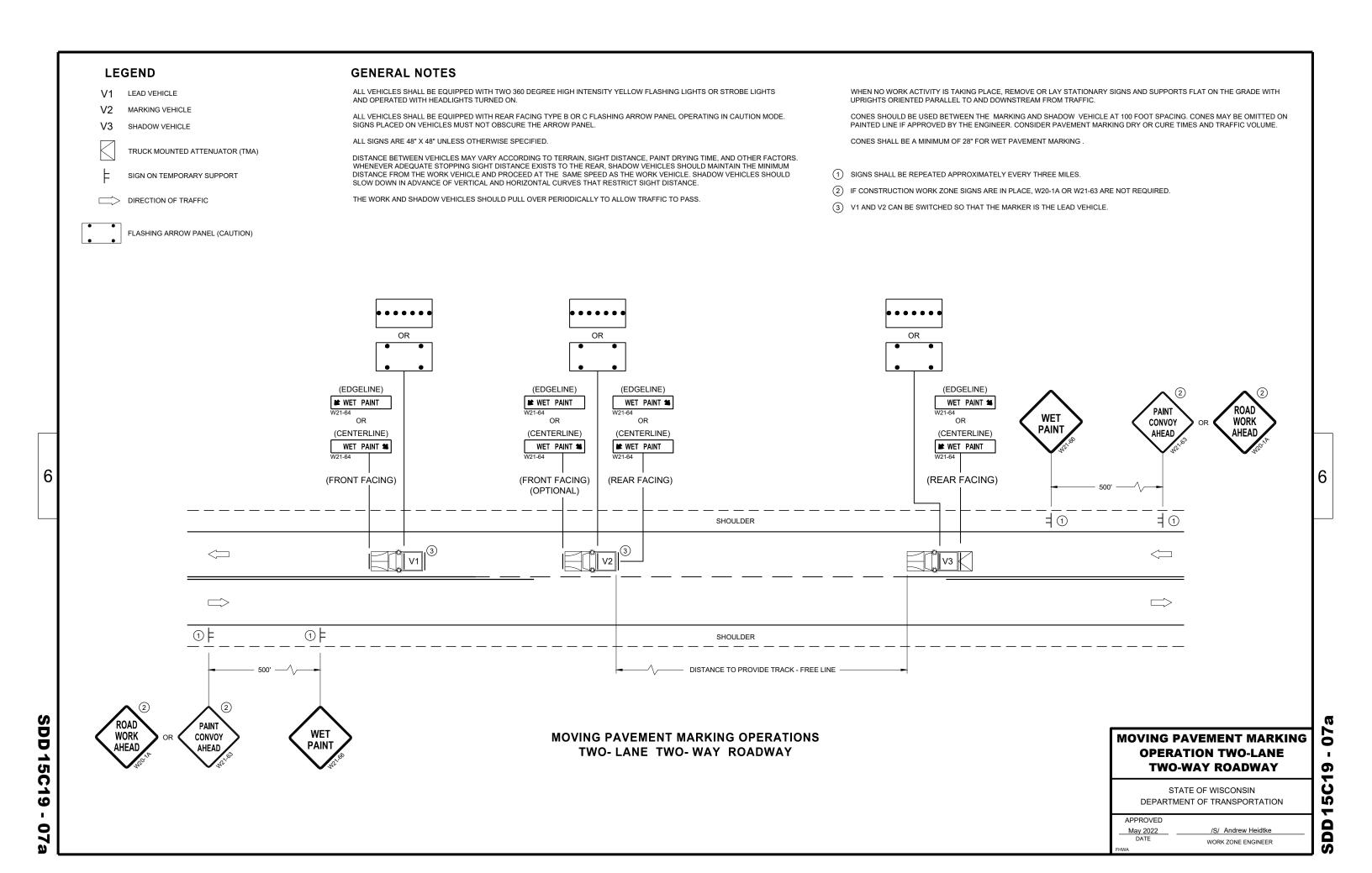
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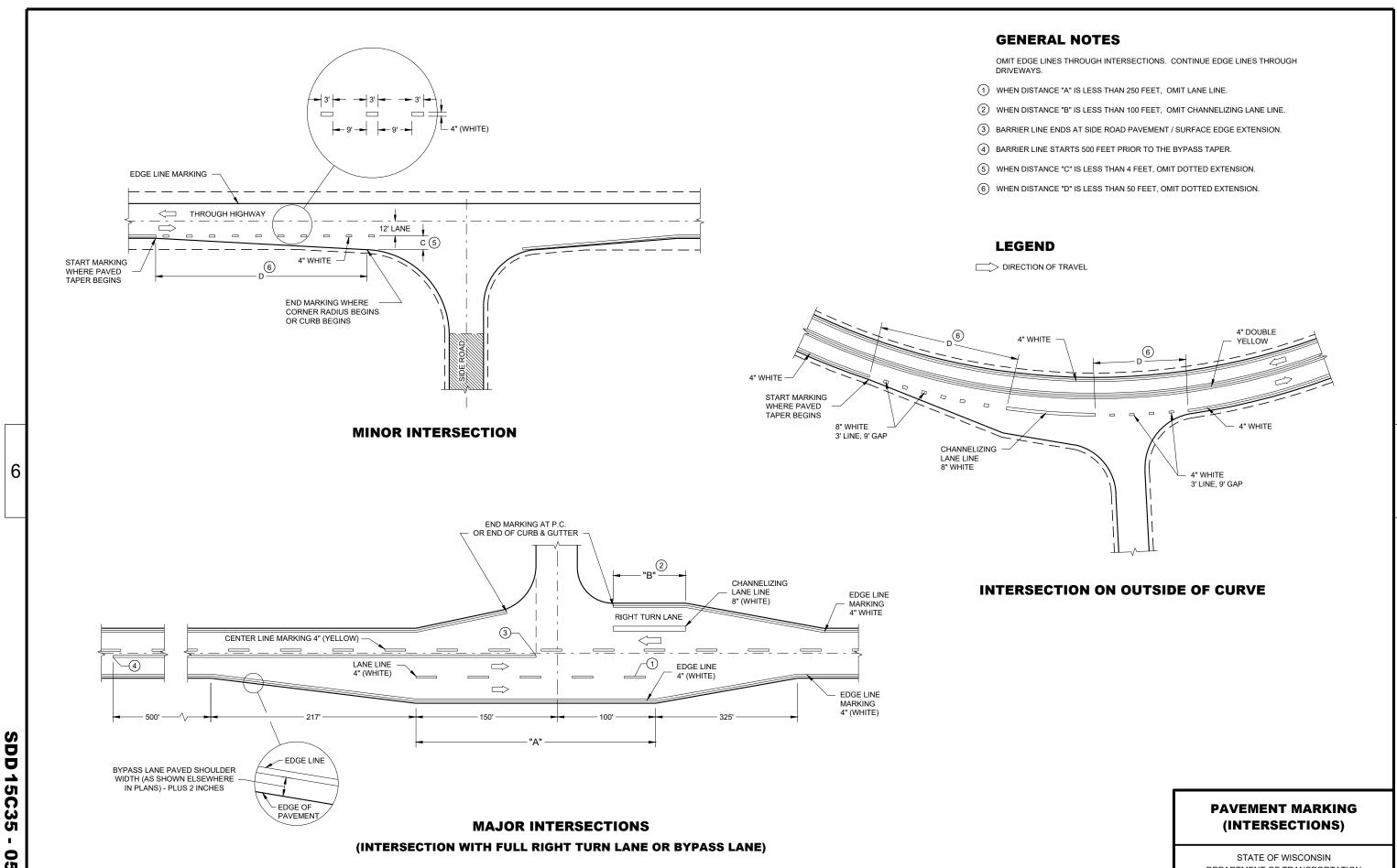
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

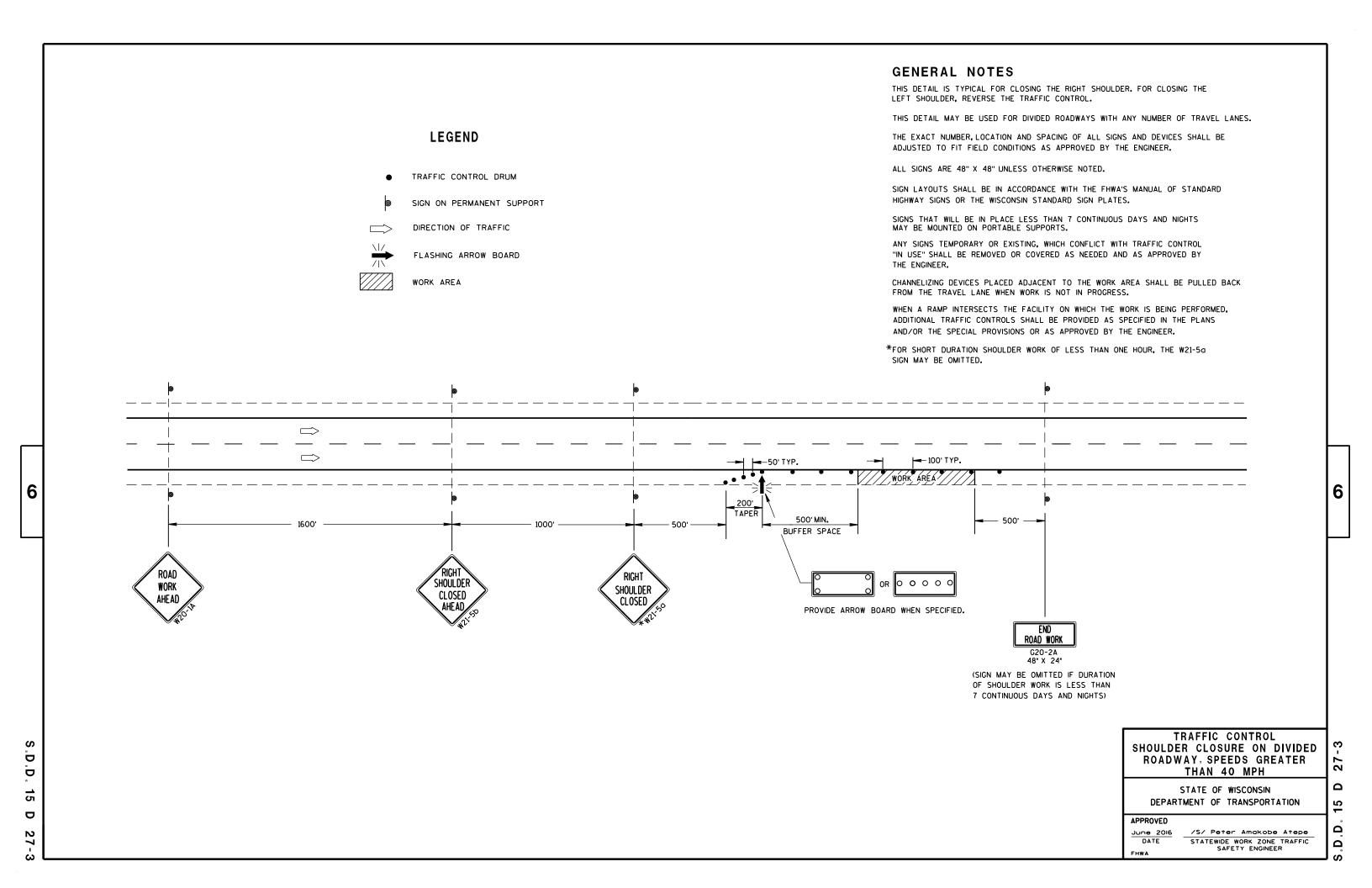
APPROVED May 2022 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

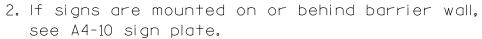




05 **SDD 15C3**

DEPARTMENT OF TRANSPORTATION





The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (\pm).

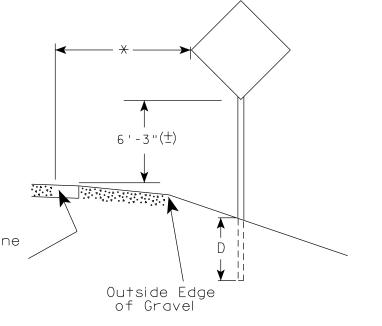
- 3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3" (\pm) .
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (\pm) 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.

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

** Curb Flowline

D

White Edgeline Location



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

** Curb Flowline

** Curb Flowline

White Edgeline Location

Outside Edge of Gravel

** 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

HWY:

or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

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

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 5/13/2020 PLATE NO. __A4-3.22

SHEET NO:

Ε

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

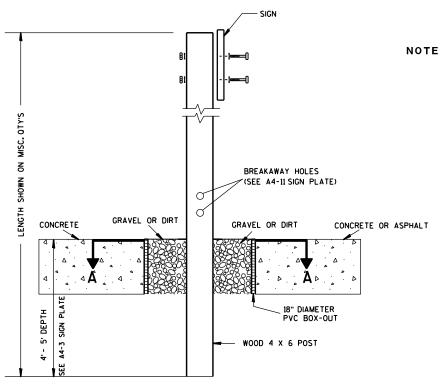
PROJECT NO:

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

PLOT BY : mscj9h

PLOT NAME :

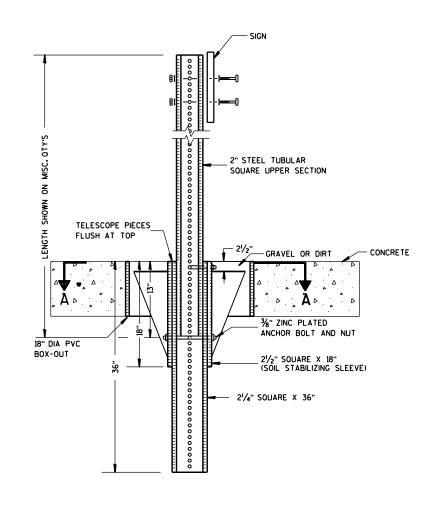
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42



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.



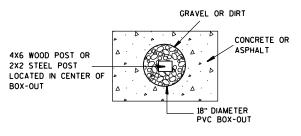
ELEVATION VIEW

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

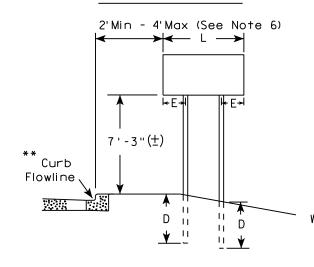
For State Traffic Engineer

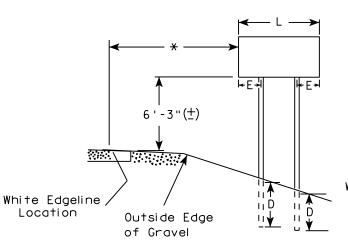
DATE 8/21/17 PLATE NO. A4-4.15

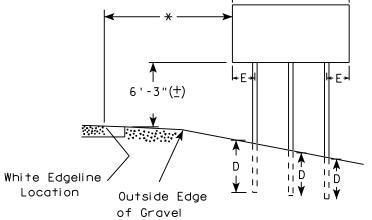
SHEET NO:

URBAN AREA

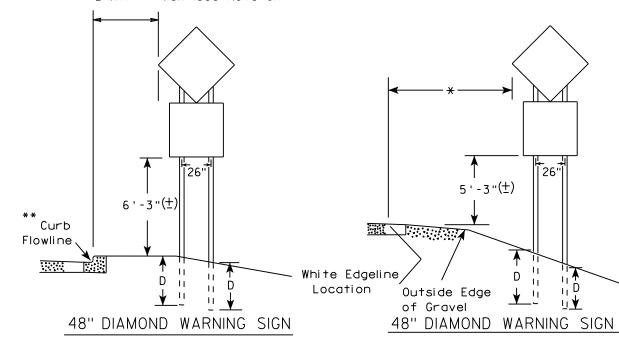
RURAL AREA (See Note 3)







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

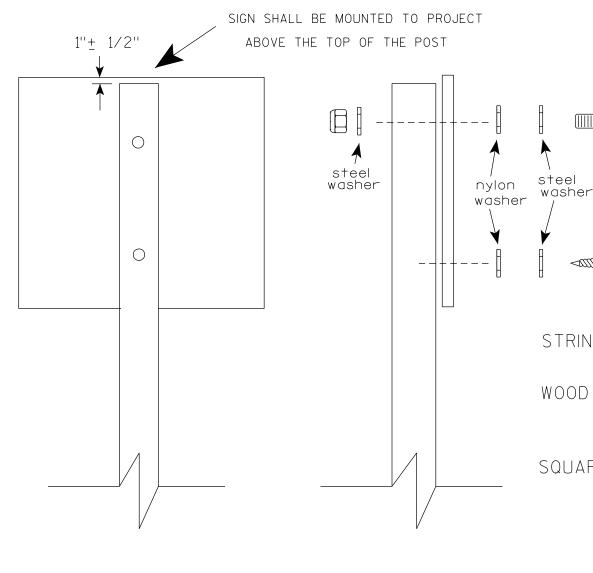
PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

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

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42



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

SHEET NO:

DATE 4/1/2020

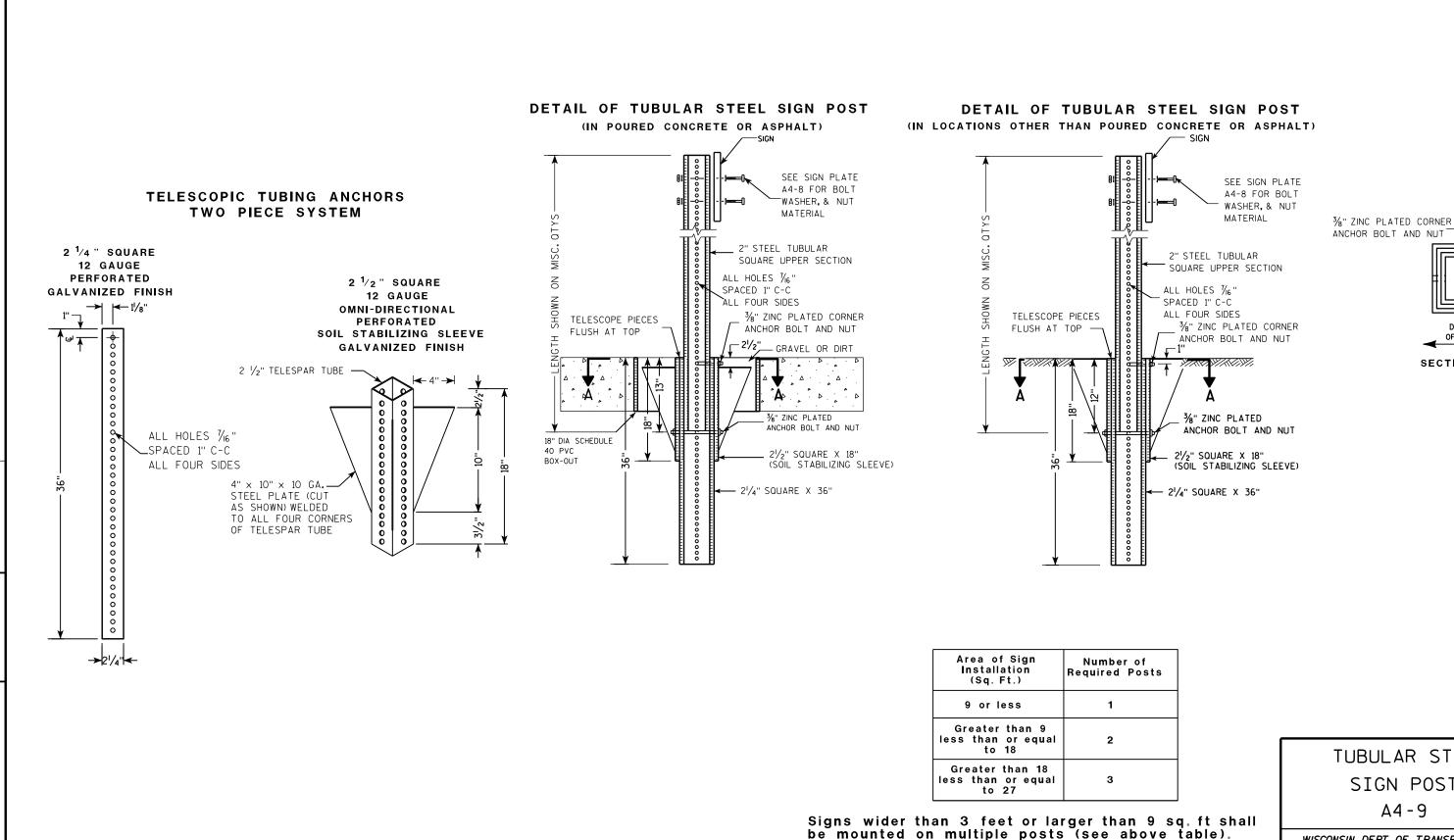
PLATE NO. <u>A4-8.9</u>

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

Ε



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

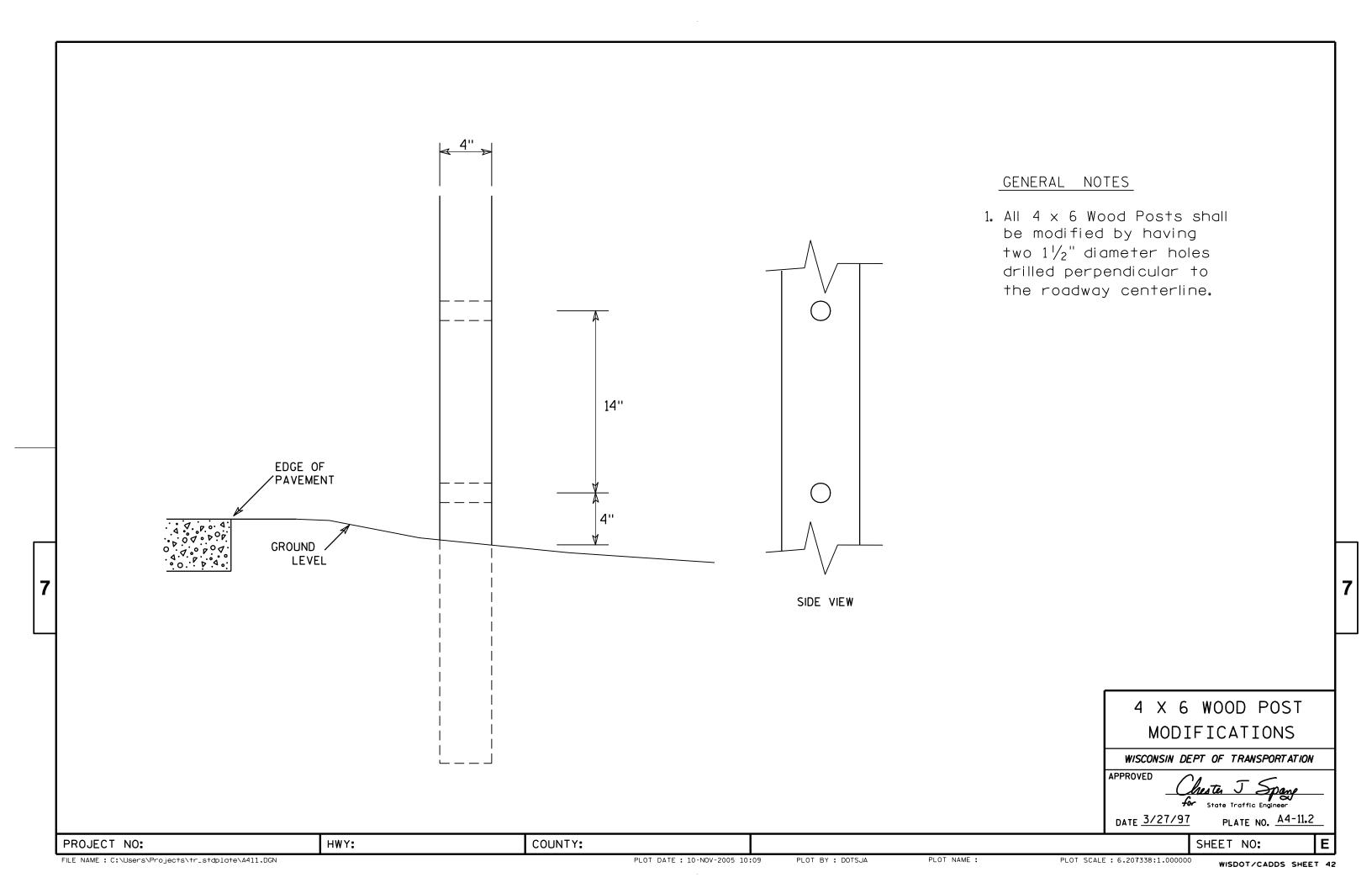
COUNTY:

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

SECTION A-A



- 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.
- 5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

D-> - E-> -	H H F H
	F B G G

G20-1

SIZE	Α	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																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 %												10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4		16 ¾	18 ½	3		16	18 %												10
5																											

COUNTY:

STANDARD SIGN G20-1

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer
DATE 3/14/17 PLATE NO. G20-1.8

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G201.DGN HWY:

PLOT DATE: 14-MAR-2017 13:28

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

PLOT SCALE: 6.889165:1.000000

WISDOT/CADDS SHEET 42

SHEET NO:

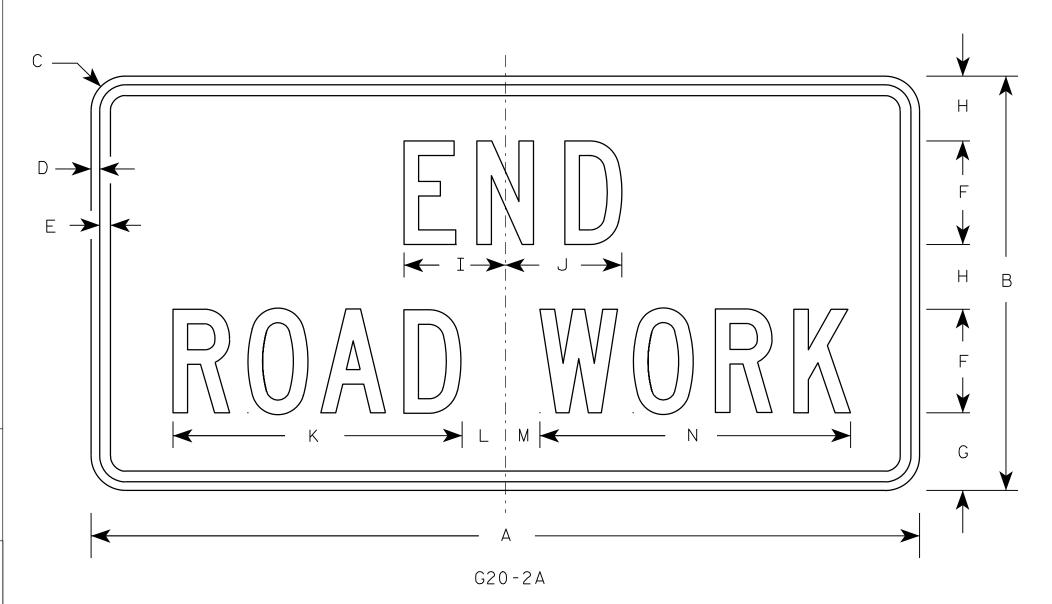
APPROVED Matthew & Rauch

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

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	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 1/8	6 3/4	16 3/4	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		1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 ¾	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

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

HWY:

COUNTY:

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

WISDOT/CADDS SHEET 42

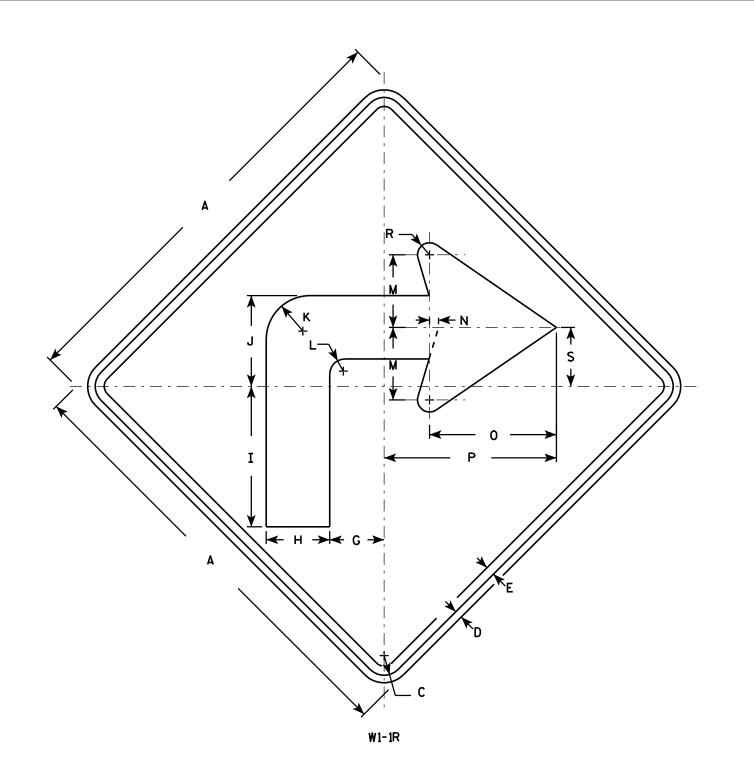
Ε

PROJECT NO:

- 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. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-1L is the same as W1-1R except the arrow is reversed along the vertical centerline.



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		3	3 1/2	7 3/4	5	2 1/2	7 /8	4	1/2	7	9 1/2		5/8	3 1/4								4.0
1 2S 2M	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
2M	36		1 1/8	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 %	7 1/2	3 %	1 1/4	6	3/4	10 1/2	14 1/4		1	4 1/8								9.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 %	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 1/8	1 5/8	8	1	14	19	·	1 1/4	6 1/2		·			·			16.0

COUNTY:

STANDARD SIGN W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

For State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

SHEET NO:

SHEET NU:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W11.DGN

PROJECT NO:

HWY:

PLOT DATE: 15-MAY-2012 13:47

PLOT BY: mscsja

PLOT NAME :

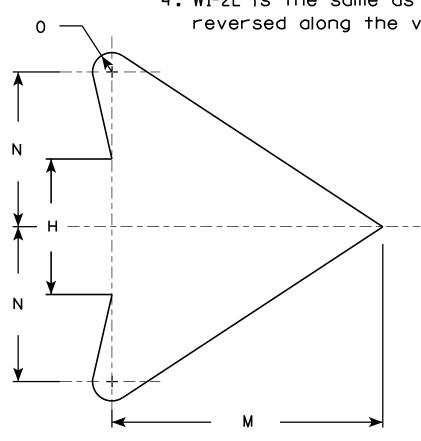
PLOT SCALE: 7.939035:1.000000

WISDOT/CADDS SHEET 42

- 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. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL	ARROW	DETAIL	
--------------	-------	--------	--

								W	1-2R													<u> </u>	11011	DLIA	<u></u>		
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	v	W	×	Y	Z	Areo sq. ft.
1	24		1 1/8	3∕8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 %	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 %	10 1/2	6	3/4												9.0
3	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 1/8	10 1/2	6	3/4												9.0
4	36		1 1/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 %	3 1/2	10 %	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 %	14 1/2	14	8	1												16.0
			•																								

COUNTY:

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

DATE <u>5/15/12</u>

15/12 PLATE NO. W1-2.10

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W12.DCN

PROJECT NO:

← H →

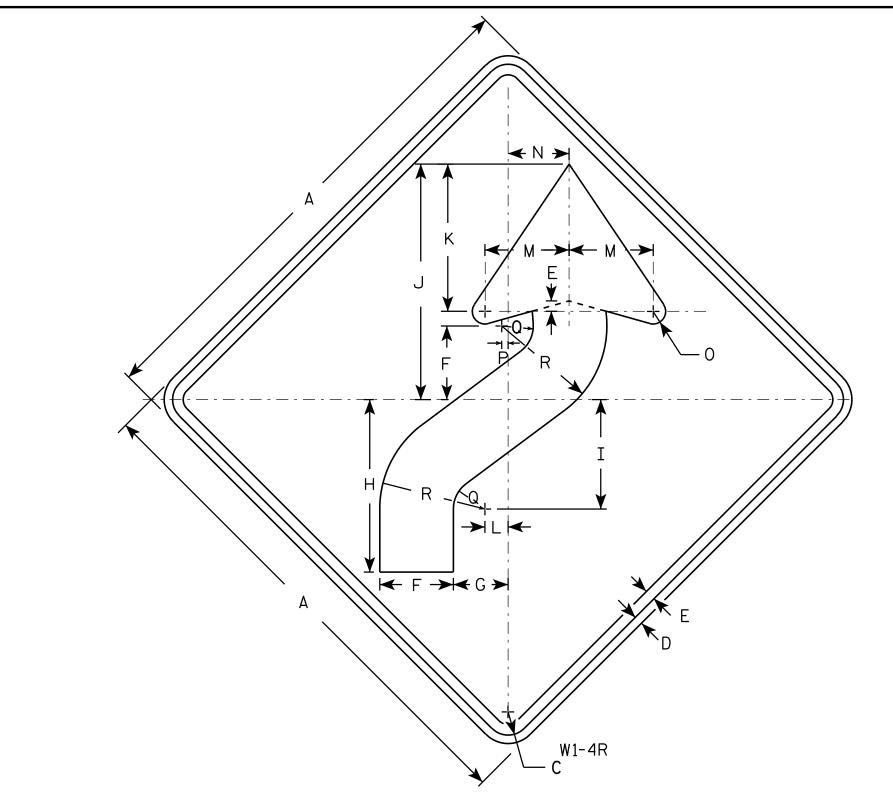
HWY:

PLOT DATE: 15-MAY-2012 14:03

PLOT BY: mscsja

PLOT SCALE: 6.202372:1.000000

WISDOT/CADDS SHEET 42



<u>NOTES</u>

- 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. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

3 1/2 2 5/8 8 1/4 5 1/4 11 1/4 5/8 1/4 1 1/2 5 24 1 1/8 4.0 25 3 5/8 3/4 3/8 1 1/8 6 1/4 30 4 3/8 3 1/4 10 1/4 6 1/2 14 8 3/4 1 3/8 6.25 36 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 4 1/2 1 1/2 2 1/4 7 1/2 9.0 3 12 3/8 7 1/8 16 1/8 10 1/2 1 5/8 36 5 1/4 4 1/2 | 1 1/2 2 1/4 7 1/2 9.0 4 36 1 % 5 1/4 | 12 3/8 | 7 3/8 | 16 3/8 | 10 1/2 | 1 5/8 4 1/2 1 2 1/4 7 1/2 1/2 9.0 5 48 5 1/4 16 1/2 10 1/2 22 1/2 14 2 1/4 6 1 1/4 16.0

COUNTY:

STANDARD SIGN W1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Laws

DATE <u>5/17/12</u>

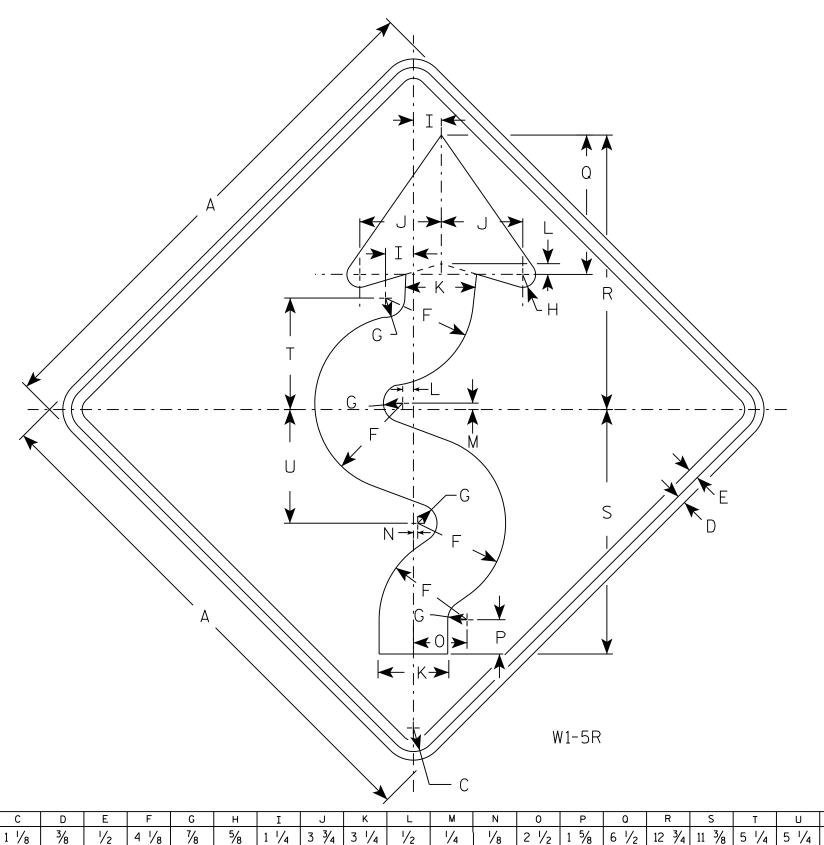
PLATE NO. W1-4.11

SHEET NO:

PROJECT NO:

HWY:

PLOT NAME :



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

Background - Yellow Message - Black

- 3. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.
- 4. If used with W13-1 of 30 MPH or less, use 36" sign for Size 2S.

4 1/8 3 3/4 3 1/4 2 1/2 1 5/8 12 3/4 11 3/8 5 1/4 5 1/4 4.0 1/2 1 1/4 1/4 1/8 6 1/2 14 1/4 6 1/2 6 5/8 5 1/8 $4 \frac{3}{4}$ 6.25 6 1/4 5 % 4 1/8 3 3/4 2 7/8 9 3/4 19 1/8 17 1/8 7 3/4 7 7/8 1 3/8 9.0 3/4 6 1/4 5 % 4 1/8 3/4 3/8 3 3/4 2 1/8 9 3/4 | 19 1/8 | 17 1/8 | 7 3/4 | 7 3/8 9.0 6 1/4 5 % 2 1/8 3 3/4 9 3/4 19 1/8 17 1/8 7 3/4 9.0 1 1/4 2 1/2 7 1/2 6 1/2 8 1/4 1 3/4 1/2 25 1/2 22 3/4 10 3/8 10 1/2 16.0

COUNTY:

STANDARD SIGN W1-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M

for state marrie em

SHEET NO:

DATE 8/1/16

PLATE NO. <u>W1-5.9</u>

FILE NAME • C•\CAFfiles\Projects\tr stdblote\W15 DCN

HWY:

1 3/8

1 %

1 %

1 5/8

2 1/4

SIZE A

24

30

36

36

36

48

PROJECT NO:

PI ΩΤ ΠΔΤΕ • Ω1-ΔΙΩ-2Ω16 Ω9•34

PINT RY . \$\$ plotuser \$\$ PINT NAMF :

PLOT SCALE . 5 594294.1 000000

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

Background - Yellow 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.

c —	A A
	G
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
◄	•
W1-6	

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3%	3/8		9	10	3/4	5 %	4 3/4	2 3/8	14 %	29 1/4													4.5
25	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED MG

For State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W16.DGN

HWY:

PROJECT NO:

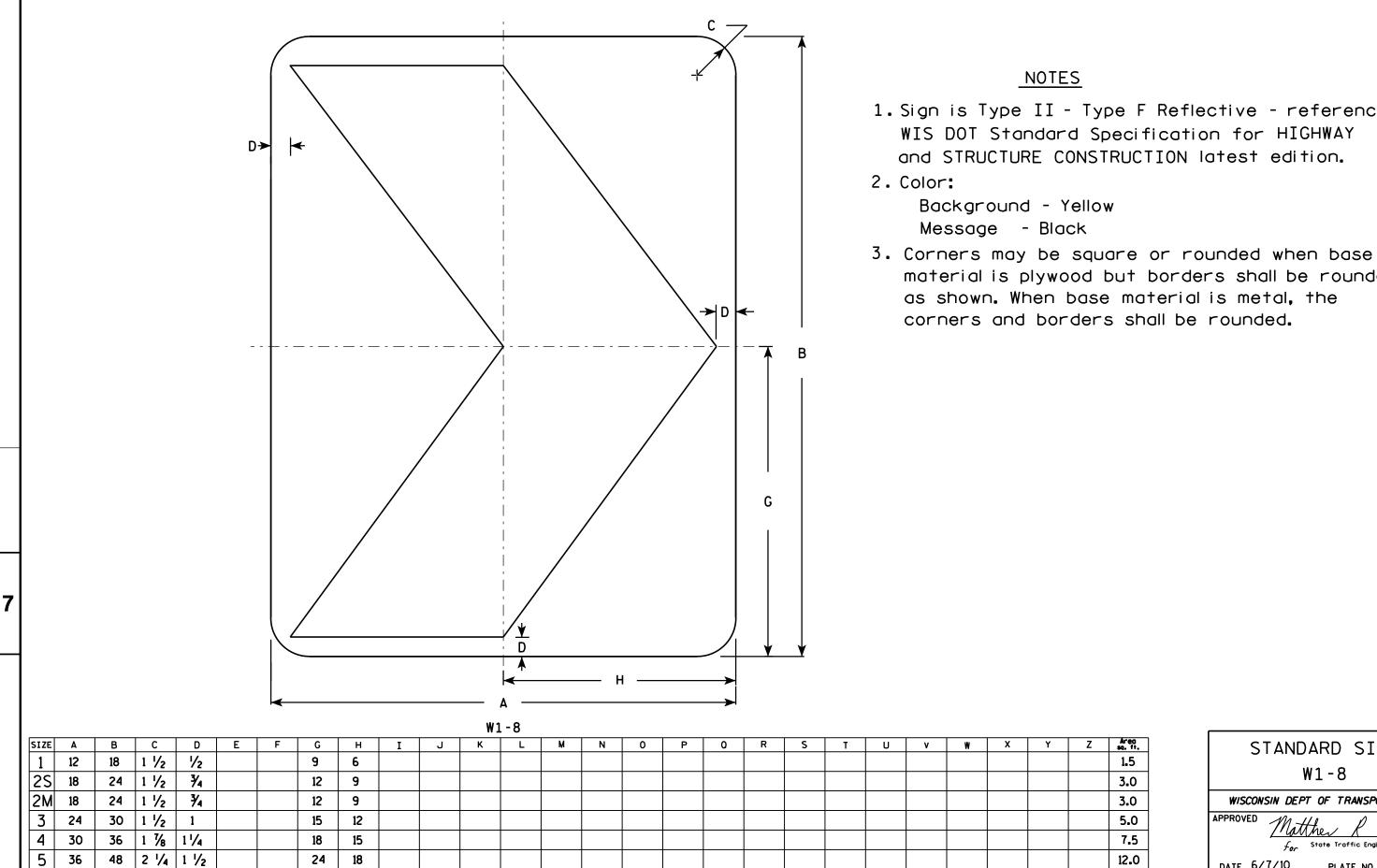
PLOT DATE: 07-JUN-2010 10:37

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42



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

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

> STANDARD SIGN W1 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 6/7/10

PLATE NO. W1-8.6

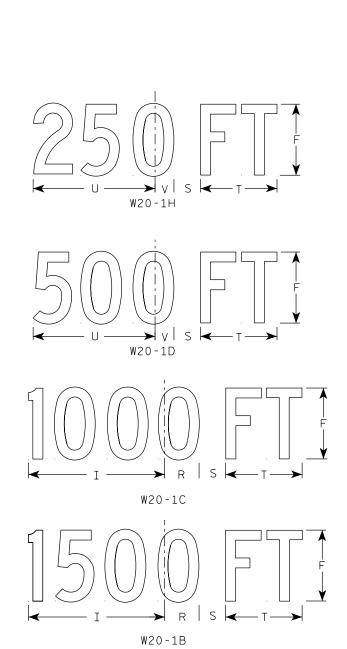
SHEET NO:

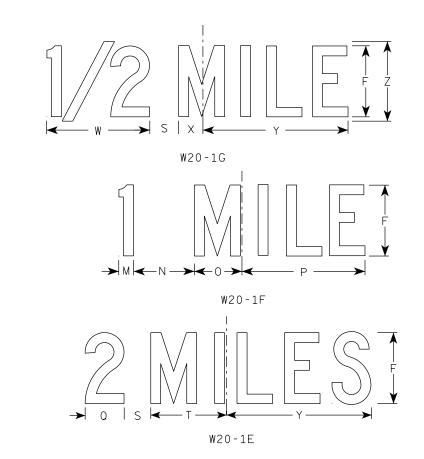
PROJECT NO:

- 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	Т	U	٧	W	Х	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	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	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

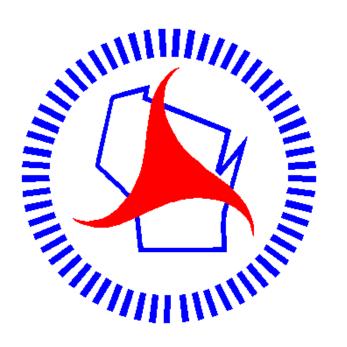
PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov