

FILE NAME : G:\2018-PROJ\18115028\C3D\SHEETSPLAN\010101-TI.DWG

PLOT BY : JACOB FRIBERG PLOT NAME :

PROJECT ID: WITH: NA

COUNTY:

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STATE PROJEC	F	EDERAL PROJ	ECT
	F	PROJECT	CONTRACT
9231-07-72	WISC	2022424	1
			_
	5		
FCT			
17			
3.17			
1.28	ORIGINA	I PLANS PREP	ARED BY
		COOPER ENGINEERING	
			v.
	Million 1	SUONS	WIIII
CT		SCOT J.	
	EN B	ALSAVICH	
3		E-30051	
9	R	ICE LAKE	
	The second	WI 1 A	
	323 M	A	
	in the second se	YNAY Y	Tur
	Ibilas	Du la	
	DATE: 122	(Professional En	gineer Signature)
		·	
	STA	TE OF WISCON	ISIN
	DEPARTME	NT OF TRANSF	ORTATION
	PREPARED BY		
	Surveyor		
	Designer		MANN P.E.
	Regional Examiner	ZACH	RULING
	Regional Supervisor	DANIE	LERVA
NSIN			
S COUNTY,	APPROVED FOR THE DEPA		h
D DISTANCES	DATE: 01/27/2022	Chiely	
EFERENCED ON GEOID 12A.		(Signa	ture)
		/	E
	-		

### UTILITY CONTACTS

#### COMMUNICATIONS

FRONTIER COMMUNICATIONS OF WILLC JEFF TIMM 1851 N. 14th AVENUE WAUSAU, WI 54401 PHONE: 715-894-0809 EMAIL: jtimm@mscon.com

#### SANITARY SEWER

LAC DU FLAMBEAU TRIBE - SEWER DEPT. SCOTT VALLIERE P.O. BOX 67 LAC DU FLAMBEAU, WI 54538 PHONE: 715-588-7887 CELL: 715-614-6394 EMAIL: svalliere@@ldftribe.com

#### COMMUNICATIONS

LAC DU FLAMBEAU TRIBE - TRIBAL FIBER OPTIC\*\* GEORGE W. THOMPSON 280 INDUSTRIAL PARK ROAD, P.O. BOX 67 LAC DU FLAMBEAU, WI 54538 PHONE: 715-588-9630 CELL: 715-604-2625 EMAIL: gthompson@ldftribe.com

#### WATER

LAC DU FLAMBEAU TRIBE - WATER DEPT. SCOTT VALLIERE P.O. BOX 67 LAC DU FLAMBEAU, WI 54538 PHONE: 715-588-7887 CELL: 715-614-6394 EMAIL: svalliere@@ldftribe.com

\*\*PLEASE CONTACT DIRECTLY FOR UTILIY LOCATES



HYDROLOGIC SOIL GROUP

GENERAL NOTES:

CENTERLINE OF PROPOSED PIPE.

## RUNOFF COEFFICIENT TABLE

TRIBAL	CONTACT	S						A		В	С			
		-				SLOPE RANGE (PERCENT)			SL	SLOPE RANGE (PERCENT)			SLOPE RANGE (PER	
LAC DU FLAMBEAU TRIBE - TR P.O. BOX 67 LAC DU FLAMBEAU, WI 54:		IBAL DNR		LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6&	
PHONE: 71	AIVIBEAU, WI 54 15-588-4213	238						.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.3
IAC DU FIAM		MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30				
P.O. BOX 6 LAC DU FL PHONE: 71		SIDE SLOPE- TURF			.25 .32			.27 .34						
					PAVEMENT:						I	4	<u> </u>	
					ASPHALT						.7095			
LAC DU FLAM	BEAU TRIBE - TR	BAL PLANNING & DEVELOPMENT	DEVELOPMENT				CONCRETE .8095							
P.O. BOX 6 LAC DU FL	o7 AMBEAU, WI 54	538			BRICK .7080									
PHONE: 71	15-588-4252				DRIVES, WALKS						.7585			
		ROOFS						.7595						
			GRAVEL ROADS, SHO	ULDERS					.4060					
					TOTAL PROJECT AREA	A = 2.9 ACR ED TO BE D	ES ISTURBE	D BY CONSTRUCTI	on activitie	S = 2.4 AC	RES			
9231-07-72		HWY: STH 47	COUNTY:	VILAS				GENERAL	NOTES					
ROJ\18115028\C3D\SHEETSPLAN\020201-CD	D.DWG				PLOT DATE :	4/12/2022	2:14 PM	PL	.OT BY :	JACOB FRIB	ERG F	LOT NAME :		

G:\2018-PROJ\18115028\C3D\SHEETSPLAN\020201-CD.DWG FILE NAME : LAYOUT NAME - GN

PROJECT NO:

2

PLOT DATE : 4/12/2022 2:14 PM PLOT BY : JACOB FRIBERG

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, AND MULCHED.

THE LOCATION 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.

MAXIMUM WIDTH OF CLEARING & GRUBBING SHALL BE 25 FEET EACH WAY FROM

		D		
CENT)	SLOP	e range	(PERCENT)	
OVER	0-2	2-6	6 & OVER	
33 50	.19 .34	.28 .41	.38 .56	
.30 .37	.20 .27	.25 .32	.30 .40	
28 .36			.30 .38	

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G:\2018-PROJ\18115028\C3D\SHEETSPLAN\020201-CD.DWG FILE NAME : LAYOUT NAME - TS

JACOB FRIBERG PLOT DATE : 3/1/2022 3:19 PM PLOT BY :

PLOT NAME :

2 Ε

SHEET



PLOT NAME :



G:\2018-PROJ\18115028\C3D\SHEETSPLAN\020201-CD.DWG FILE NAME : LAYOUT NAME - CD2

PLOT DATE : JACOB FRIBERG 3/28/2022 9:24 AM PLOT BY :

PLOT NAME :



LAYOUT NAME - 022001-ec



LAYOUT NAME - 022002-ec

JACOB FRIBERG PLOT DATE : 1/17/2022 3:09 PM PLOT BY :

PLOT NAME :



FILE NAME :	G:\2018-PROJ\18115028\C3D\SHEETSPLAN\022001-EC.DWG
	LAYOUT NAME - 022003-ec



LAYOUT NAME - 022501-ss

PLOT DATE : PLOT BY : JACOB FRIBERG 1/17/2022 4:25 PM

P					EXISTING
2		EXISTING		STORACER	EXISTING STORM MH RIM EL. = 1610.90
	25% 400	WOODEN FEN	CE ASPHPARKING	APARIMENT	
		SS	EXISTING STORM MH RIM EL. = 1608.94	GHTPOLE REMAIN	10000S
	CLEARING & GRUBBING		24" INV. = 1600.0		55 55
			SS 108+00	109755 55	SALVAGE & REINSTALL ALL DISTURBED FENCING ROXIMATE PIPE TRENCH DAYLIGHT*
	*PIPE TRENCH DAYLIGHT BASED ON A 4.5 FT WIDE TRENCH WITH 1.5:1 SLOPES. PROVIDED FOR INFORMATION ONLY. ALTERNATE METHODS MAY BE NEEDED TO REDUCE IMPACT. USE CURRENT OSHA STANDARDS.		STA 108+22, 0' RT STRUCTURE #3 MANHOLE 5-FT DIAMETER MANHOLE COVERS TYPE J RIM EL. = 1607.54 N 30" INV. = 1598.54 SW 30" INV. = 1598.54	ALTERNATIVE METHOD REQUIRED TO ELIMINAT IMPACT TO EXISTING ASPHALT AND LIGHTPO VAGE & REINSTALL DISTURBED FENCING	S CHAIN <sup>ULIN</sup> LE W <sup>O</sup>
	1610		3		//
		2011ND	1607.54		
-	1600 370 LF SSP CLASS III-A 30-INCH			240 LF SSF S	P CLASS III-A 30-INCH LOPE 0.10%
	1597 SLOPE 0.10%		1598.54 1598	3.54	
	1605.65	1604.94	1606.57	1609.05	1609.25
	105+50 106+00	107+00	108+00	109+00	110+00
ſ	PROJECT NO: 9231-07-72	HWY: STH 47	COUNTY: VILAS	PLAN AND PROFILE:	STORM SEWER











G:\2018-PROJ\18115028\C3D\SHEETSPLAN\022501-SS.DWG FILE NAME : LAYOUT NAME - 022505-ss

JACOB FRIBERG PLOT DATE : PLOT BY : 1/21/2022 1:29 PM



PLOT NAME :

1 IN:200 FT

					9231-07-72	
Line	Item	Item Description	Unit	Total	Qty	
0002	201.0105	Clearing	STA	19.000	19.000	
0004	201.0205	Grubbing	STA	19.000	19.000	
0006	205.0100	Excavation Common	CY	430.000	430.000	
8000	205.0400	Excavation Marsh	CY	450.000	450.000	
0010	209.1100	Backfill Granular Grade 1	CY	450.000	450.000	
0012	213.0100	Finishing Roadway (project) 01. 9231-07-72	EACH	1.000	1.000	
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	160.000	160.000	
0016	455.0605	Tack Coat	GAL	15.000	15.000	
0018	465.0105	Asphaltic Surface	TON	55.000	55.000	
0020	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000	
0022	606.0200	Riprap Medium	CY	25.000	25.000	
0024	608.3030	Storm Sewer Pipe Class III-A 30-Inch	LF	1.730.000	1.730.000	
0026	608.3630	Storm Sewer Pipe Class III-B 30-Inch	LF	521.000	521.000	
0028	611.0530	Manhole Covers Type J	EACH	8.000	8.000	
0030	611,2005	Manholes 5-FT Diameter	FACH	9,000	9,000	
0032	618 0100	Maintenance And Repair of Haul Roads (project) 01, 9231-07-72	FACH	1 000	1 000	
0034	619 1000	Mobilization	EACH	1 000	1 000	
0036	624 0100	Water	MGAL	2 000	2 000	
0038	625.0100	Tonsoil	SV	11 700 000	11 700 000	
0040	627 0200	Mulching	SY	11,700.000	11,700.000	
0042	628 1504	Silt Fence	LE	1 600 000	1 600 000	
0042	628 1520	Silt Fence Maintenance	LI	1,000.000	1,000.000	
0044	628 1905	Mobilizations Erosion Control	EACH	2 000	2 000	
0040	628 1910	Mobilizations Emergency Erosion Control	EACH	1 000	1 000	
0050	628 2023	Frosion Mat Class II Type B	SY	550,000	550.000	
0052	628 2031	Erosion Mat Class III Type A	SY	450.000	450.000	
0054	628 7005	Inlet Protection Type A	EACH	3 000	3 000	
0056	628 7504	Temporary Ditch Checks	LAGH	240.000	240.000	
0058	620.7304	Fertilizer Type B	CW/T	5 000	5 000	
0000	630 0120	Seeding Mixture No. 20	IB	100.000	100.000	
0062	630 0140	Seeding Mixture No. 20	LB	100.000	100.000	
0064	630.0500	Seed Water	MGAL	330.000	330.000	
0004	638 2102		FACH	3 000	3 000	
0000	638 4000	Moving Small Sign Supports	EACH	3,000	3 000	
0000	642 5001	Field Office Type B	EACH	1 000	1 000	
0070	643.0300	Traffic Control Drums		1 000 000	1 000 000	
0072	643.0420	Traffic Control Barricades Type III		300.000	300.000	
0074	643.0705	Traffic Control Warning Lights Type A		400.000	400.000	
0070	643.0000	Traffic Control Signs		400.000	400.000	
0080	643 5000	Traffic Control		1 000	1 000	
0000	614 1010	Temporan/ Dedestrian Parricade		150,000	150,000	
0084	645 0120	Contextile Type HD		45.000	45.000	
0086	650 4000	Construction Staking Storm Sower		40.000	40.000	
0000	650.4000	Construction Staking Supplemental Control (project) 01, 0231,07,72	LO	1 000	1 000	
0000	650.0000	Construction Staking Supplemental Control (project) 01. 9231-07-72		150,000	150,000	
0090	600.0450	Construction Stating Slope States		50.000	50.000	
0092	090.0150	On the Job Training Appropriate at \$5.00/UD		200,000	200,000	
0094	ASP.IIUA	On-the-Job Training Apprentice at \$5.00/HK	ПКЭ	500.000	500.000	
0090	ASP. TIUG	On-the-Job Training Graduate at \$5.00/HK	HKS	4.000	600.000	
0098	SPV.0030	Special UT. Fertilizer for Lawn Type Turf	CWI	4.000	4.000	

Estimate Of Quantities



			E	Estimate Of G	uantities	
					9231-07-72	
Line	Item	Item Description	Unit	Total	Qty	
0100	SPV.0060	Special 01. Storm Manhole Enhancements - Sanitary Crossing	EACH	2.000	2.000	
0102	SPV.0060	Special 02. Basin-Grate Special	EACH	1.000	1.000	
0104	SPV.0060	Special 03. Watermain Offset Work	EACH	1.000	1.000	
0106	SPV.0060	Special 04. Relocate Fiber Optic Communication Line	EACH	2.000	2.000	
0108	SPV.0060	Special 05. Salvage and Reinstall Fencing Project 9231-07-72	EACH	1.000	1.000	
0110	SPV.0060	Special 06. Trenchless 30" Pipe Installation - STH 47 Crossing	EACH	1.000	1.000	
0112	SPV.0180	Special 01. Preparing Topsoil for Lawn Type Turf	SY	5,200.000	5,200.000	



			CLEARING	GRUBBING
			201.0105	201.0205
CATEGORY	STATION TO ST	ATION LOCATION	S⊤A	S⊤A
0010	100+00 - 10	3+65 LT/RT	4	4
0010	104+40 - 11	0+40 RT	7	7
0010	116+90 - 11	9+00 LT	3	3
0010	119+00 - 12	3+75 LT/RT	5	5
		TOTAL001	.0 19	19

			EXCAVATION COMMON	EXCAVATION MARSH	BACKFILL GRANULAR GRADE 1	CONSTRUCTION STAKING SLOPE STAKES	
			205.0100	205.0400	209.1100	620.9920	
CATEGORY	STATION TO STATION	SIDE	CY	CY	CY	LF	REMARKS
0010	100+00 - 101+50	LT/RT	360	-	-	150	DITCH CONSTRUCTION
0010	115+85 - 116+40	LT/RT	70	-	-	-	GAULKE ROAD
0010	125+07	LT/RT	-	450	450	-	STH 47 STORM BASIN
		TOTAL 0010	430	450	450	150	

					ASPHALT		BASE AGGREGATE DENSE 1 1/4-INCH	TACK COAT	ASPHALTIC SURFACE	WATER	SAWING ASPHALT	
					THICKNESS		305.0120	455.0605	465.0105	624.0100	690.0150	
CATEGORY	STATION	ТО	STATION	SIDE	(IN)	LAYERS	TON	GAL	TON	MGAL	LF	REMARKS
0010	115+85	-	116+40	LT/RT	4.0	2	160	15	55	2	50	GAULKE ROAD
						TOTAL 0010	160	15	55	2	50	

PROJECT NO: 9231-07-72	COUNTY: VILAS			MISCELLANEOU	IS QUANTITIES		
FILE NAME : G:\2018-PROJ\18115028\C3D\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	3/28/2022 3:22 PM	PLOT BY :	JACOB FRIBERG	PLOT NAME :

3

SHEET

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				APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH 522.1030	MANHOLE COVERS TYPE J 611.0530	MANHOLES 5-FT DIAMETER 611.2005	CONSTRUCTION STAKING STORM SEWER 650.4000	STORM MANHOLE ENHANCEMENTS - SANITARY CROSSING SPV.0060.01	BASIN-GRATE SPECIAL SPV.0060.02	WATERMAIN OFFSET WORK SPV.0060.03	RELOCATE FIBER OPTIC COMMUNICATION LINE SPV.0060.04	RIM
CATEGORY	STRUCTURE #	STATION	OFFSET*	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	ELEVATION I
0010	1	101+50	0' RT	1	-	-	1	-	-	-	-	-
0010	2	104+53	0' RT	-	1	1	1	-	-	-	-	1605.64
0010	3	108+22	0' RT	-	1	1	1	-	-	-	-	1607.54
0010	4	110+62	0' RT	-	1	1	1	-	-	-	-	1610.86
0010	5	113+00	0' RT	-	1	1	1	-	-	-	-	1610.70
0010	6	116+11	0' RT	-	1	1	1	-	-	-	-	1613.83
0010	7	116+81	0' RT	-	1	1	1	1	-	-	-	1613.79
0010	8	121+32	0' RT	-	1	1	1	1	-	-	-	1608.41
0010	9	124+00	0' RT	-	1	1	1	-	-	-	-	1604.91
0010	10	125+07	0' RT	-	-	1	1	-	1	-	-	1603.50
0010	-	UNDISTRIBUTE	D	-	-	-	-	-	-	1	2	
			TOTAL 0010	1	8	9	10	2	1	1	2	

REMARKS

\* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

\*\*INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE.

\*\*\* DEPTH = RIM ELEV - TOP OF BASE ELEV - CASTING HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

				STORM SEWER PIPE	STORM SEWER PIPE	TRENCHLESS 30"				
				CLASS III-A	CLASS III-B	PIPE INSTALLATION				
				30-INCH	30-INCH	- STH 47 CROSSING				
	STRU	JCTU	JRE #	608.3030	608.3630	SPV.0060.06	OUTFALL	INLET	SLOPE	
CATEGORY	FROM	-	TO	LF	LF	EACH	ELEVATION	ELEVATION	FT/FT	REMARKS
0010	1	-	2	303	-	-	1597.87	1598.17	0.0010	
0010	2	-	3	370	-	-	1598.17	1598.54	0.0010	
0010	3	-	4	240	-	-	1598.54	1598.78	0.0010	
0010	4	-	5	238	-	-	1598.78	1599.02	0.0010	
0010	5	-	6	311	-	-	1599.02	1599.33	0.0010	
0010	6	-	7	-	69	-	1599.33	1599.40	0.0010	
0010	7	-	8	-	452	-	1599.40	1599.84	0.0010	
0010	8	-	9	268	-	-	1599.84	1600.09	0.0009	
0010	9	-	10	-	-	1	1600.09	1600.20	0.0010	107 LF*
	ΤC	OTAL	.0010	1,730	521	1				

PROJECT NO: 9231-07-72	HWY: STH 47	COUNTY: VILAS			MISCELLANEOU	S QUANTITIES	
FILE NAME : G:\2018-PROJ\18115028\C3D\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	3/28/2022 10:41 AM	PLOT BY :	JACOB FRIBERG	PLOT NAME :

INVERT**	SUMP	DEPTH***			
ELEVATION	ELEVATION	FT			
1597.87	-	-			
1598.17	-	6.56			
1598.54	-	8.09			
1598.78	-	11.17			
1599.02	-	10.77			
1599.33	-	13.59			
1599.40	1598.20	14.35			
1599.85	-	7.65			
1600.12	-	3.88			
1600.20	1597.00	5.26			

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SHEET

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																	PREPARING
								EROSION MAT	EROSION MAT	INLET	TEMPORARY		SEEDING	SEEDING		FERTILIZER	TOPSOIL
								CLASS II	CLASS III	PROTECTION	DITCH	FERTILIZER	MIXTURE	MIXTURE		FOR LAWN	FOR LAWN
		RIPRAP	GEOTEXTUE			TOPSOIL	MULCHING	TYPE B	TYPE A	TYPE A	CHECKS	TYPE B	NO. 20	NO. 40	SEED WATER	TYPE TURF	TYPE TURF
		MEDIUM	TYPE HR			625.0100	627.0200	628.2023	628.2031	628.7005	628.7504	629.0210	630.0120	630.0140	630.0500	SPV.0030.01	SPV.0180.01
		606.0200	645.0120	CATEGORY	STATION TO STATION	SY	SY	SY	SY	EACH	LF	CWT	LB	LB	MGAL	CWT	SY
CATEGORY	STATION	CY	SY														
<u>orneconn</u>	0010 100+00	)+00 5		0010	100+00 - 101+50	490	490	360	360	-	60	0.4	14	-	14	-	-
0010			5	0010	101+50 - 108+00	1,860	1,860	-	-	-	-	1.2	51	-	53	-	-
0010	101+50	20	40	0010	108+00 - 117+00	4,150	4,150	-	-	2	130	-	-	75	117	2.7	4,150
0010	101.90	20	10	0010	117+00 - 124+00	2,770	2,770	-	-	-	-	1.8	75	-	78	-	-
		25		0010	STH 47 BASIN	80	80	80	-	-	-	0.1	3	-	3	-	-
TOTALUUIU	0 25	45	0010	UNDISTRIBUTED	2,350	2,350	110	90	1	50	1.5	47	25	65	1.3	1,050	
					TOTAL 0010	11,700	11,700	550	450	3	240	5.0	190	100	330	4.0	5,200

				SILT FENCE
			SILT FENCE	MAINTENANCE
			628.1504	628.1520
CATEGORY	STATION 1	TO STATION	LF	LF
0010	100+00	-	40	40
0010	101+55	-	40	40
0010	103+75	- 110+50	675	675
0010	121+25	- 123+25	200	200
0010	124+00	-	60	60
0010	125+00	-	270	270
0010	UNDIST	RIBUTED	315	315
		TOTAL 0010	1600	1600

		MOBILIZATIONS EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL			MOVING SIGNS TYPE II	MOVING SMALL SIGN SUPPORTS	_
	-	628.1905	628.1910			638.2102	638.4000	
CATEGORY	LOCATION	EA	EA		STATION	EA	EA	REMARKS
0010	PROJECT	2	1	0010 0010	113+50 UNDISTRIBUTED	1 2	1 2	NON-STATE OWNED SIGN INCLUDE NON-STATE OWNED SIGNS
	TOTAL 0010	2	1		TOTAL 0010	3	3	=

		тр/		DADD		CONTROL		т		DEDECTRIAN					
		CONTRO		DANN				CONT							
					PE III					BARRICADE	-			SALVAGE AND	
	CALENDAR	643	.0300	643	.0420	643	.0705	64	3.0900	644.1810				REINSTALL FENCI	NG
CATEGORY	DAYS	#	DAYS	#	DAYS	#	DAYS	#	DAYS	LF	REMARKS			PROJECT 9231-07	-72
														SPV.0060.05	
0010	50		-	3	150	4	200	1	50	-	ROAD CLOSED DETAIL D WEST GAULKE RD	CATEGORY	STATION TO STATION	EACH	REMARKS
0010	50		-	3	150	4	200	1	50	-	ROAD CLOSED DETAIL D EAST GAULKE RD				
0010	50		-		-		-	3	150	-	ROAD CLOSED ADVANCED WARNING SIGNS	0010	108+10 - 108+45	-	35 LF WOODEN FENCE
0010	50		-		-		-	3	150	-	ROAD WORK ADVANCED WARNING SIGNS	0010	110+35 - 112+00	-	195 LF CHAIN LINK FEN
0010	50		-		-		-		-	150	STH 47 SIDEWALK	0010	114+90 - 116+00	-	<b>BLEACHERS &amp; DUGOUT</b>
0011	50	12	600		-		-	3	150	-	STH 47 SHOULDER CLOSURE	0010	117+20 - 117+85	-	65 LF CHAIN LINK FENC
0010	50	8	400		-		-		-	-	UNDISTRIBUTED	0010	120+60 - 122+25	-	165 LF CHAIN LINK FEN
												0010	UNDISTRIBUTED	1	
	TOTAL 001	0	1.000		300		400		550	150	=				
			_,											) 1	
													101/12/0012	, <u> </u>	
									-						
9231-07-72			H	IWY: S	TH 47				C	OUNTY: \	ILAS MISCELLANEOUS QUANTIT	ES			SHEET

FILE NAME : G:\2018-PROJ\18115028\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 03

PLOT DATE : 3/28/2022 1:33 PM

PLOT BY : JACOB FRIBERG PLOT NAME : PLOT SCALE : 1" = 1'

SHEET

WISDOT/CADDS SHEET 42

## Standard Detail Drawing List

08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08в09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15С02-08В	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15С11-09В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



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IATERIALS AND WORKMANSHIP REQUIREMENTS OF THE STAND	NOT SHOWN ON THIS DRAWING SHALL ARD SPECIFICATIONS AND THE APPLICABLE	
ZED IN WRITING BY THE ENGINE NITS REQUIRED FOR THE PROJ	ER, THE CONTRACTOR SHALL NOT ORDER AND ECT UNTIL A LIST OF SIZES IS FURNISHED BY	
POSED ALTERNATE DESIGNS F ER FOR APPROVAL PROVIDING ID STRENGTH.	OR UNDERGROUND DRAINAGE STRUCTURES SHALL THAT SUCH ALTERNATE DESIGNS MAKE PROVISION	
RE DESIGNATED ON THE PLANS T NUMBERS DESIGNATE THE SI E OF COVER TO BE USED TO CO	S AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", ZE OF THE STRUCTURE, AND THE FOLLOWING MPRISE THE COMPLETE UNIT.	
BED OF MATERIAL AT LEAST 6   DN BACKFILL. THIS BEDDING SH EA OF THE BASE.	NCHES IN DEPTH, WHICH MEETS THE IALL BE COMPACTED AND PROVIDE UNIFORM	
RETE CONE TOPS (ECCENTRIC C AY BE USED ON CONCRETE BLC	OR CONCENTRIC) OR PRECAST REINFORCED OCK STRUCTURES.	
E USED ON ALL STRUCTURES. ( OR LESS IN DEPTH UNLESS OT	CONCENTRIC CONE TOPS SHALL BE USED HERWISE DIRECTED BY THE ENGINEER.	
AND THE FOLLOWING REQUIRE CH C-C MAXIMUM SPACING; PRO F OF EMBEDMENT; MINIMUM LE STEPS NOT PAINTED OR TREAT N OF 1 INCH.	MENTS SHALL BE INSTALLED IN ALL STRUCTURES DJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES NGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT FED TO RESIST CORROSION SHALL HAVE A MINIMUM	
DPYLENE PLASTIC COATED REII MINIMUM OF $\frac{1}{2}$ INCH AND MEET	NFORCEMENT BAR ARE ACCEPTABLE. THE REQUIREMENTS OF ASTM A615.	
VIDED THAT INSTALLED STEPS \	WHEN TESTED IN ACCORDANCE WITH SECTION 10 35. AND A HORIZONTAL LOAD OF 400 LBS.	
NT SHALL BE EMBEDDED 2 INCH	IES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.	
SHALL CONFORM TO THE PERT	INENT REQUIREMENTS OF AASHTO DESIGNATION M199.	
SHALL HAVE A TONGUE AND G	ROOVE JOINT WITH TONGUE UP OR DOWN.	
E PERMITTED FOR STRUCTURE	S GREATER THAN 4 FEET IN DIAMETER.	
REQUIRED FOR ALL CONCRETE RECAST BASE IS PROVIDED. OV RAL OR MONOLITHIC BASE.	BLOCK INSTALLATIONS. 4" OVERHANG IS 'ERHANG IS NOT REQUIRED ON PRECAST	6
IONS, MAINTAIN A MINIMUM OF HE OUTSIDE PIPE WALLS OF AD	12 INCHES AS MEASURED FROM THE INSIDE OF THE JACENT PIPES. SEE DETAIL "D".	
VIDE REINFORCING STEEL IN A	CCORDANCE TO AASHTO M199.	
IINIMUM WALL THICKNESS FOR	PRECAST MANHOLES	
INIMUM THICKNESS OF PRECAS	ST FLAT SLAB TOPS AND BASES.	
BUTYL RUBBER SEAL PER SEAL (TYP.).	ANT MANUFACTURERS RECOMMENDATIONS	
G MATRIX.		
OUTSIDE PIPE WALL (TYP.)		
/		
/ 12" MIN.		
$\checkmark$		
		<u></u>
/ · · · · · · · · · · · · · · · · · · ·	MANHOLES, 3-FT, 4-FT	17
X-	5-FT, 6-FT, 7-FT, 8-FT, 9-FT	6
$f_{}$	AND 10-FT DIAMETER	<b>M</b>
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	081
CONTAL TION	APPROVED November 2021 DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER	٥
	FHWA	1 01



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## **GENERAL NOTES**

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

- $\textcircled{\sc 1}$  horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF  $1/_8$ " X  $1/_8$ " OF OAK OR HICKORY.
- (4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.







#### SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

SILT FENCE ဖ 6 STATE OF WISCONSIN ш DEPARTMENT OF TRANSPORTATION ω APPROVED Δ 4-29-05 /S/ Beth Cannestra DATE CHIEF ROADWAY DEVELOPMENT ENGINEER Δ FHWA ഗ



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![](_page_26_Figure_3.jpeg)

## GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

 $\bigoplus$  for PIPE SIZES UP to 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

#### APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED II/30/94 DATE FHWA

CHIEF ROADWAY DEVELOPMENT ENGINEER

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![](_page_27_Figure_0.jpeg)

SDD 08F04 

![](_page_28_Figure_0.jpeg)

![](_page_29_Figure_0.jpeg)

#### **GENERAL NOTES**

FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SUPPORTS.

FULL ROAD CLOSURES.

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

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

- ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11 - 2 SHALL BE 48" X 30"
  - R11 3 SHALL, R11 4 AND R10 61 SHALL BE 60 " X 30" M4 - 9 SHALL BE 30" X 24"
  - M3 X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
  - M4 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

  - D1 X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
  - R1 1 SHALL BE 36" X 36"
- (1)TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE SIGNS AS SHOWN.
- (7)"EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

![](_page_29_Figure_26.jpeg)

### **GENERAL NOTES**

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

![](_page_30_Figure_3.jpeg)

![](_page_30_Figure_4.jpeg)

**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.

![](_page_30_Figure_7.jpeg)

#### **TYPE III BARRICADE**

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

★ IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

![](_page_31_Figure_0.jpeg)

![](_page_32_Figure_0.jpeg)

**SDD 15D30** 06c

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November 2019 DATE

WORK ZONE ENGINEER

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![](_page_33_Figure_0.jpeg)

PROJECT NO:	HWY:	COUNTY:			
			BLAT BATE AT MAN AND A C	A DLOT DY O	DLOT NAME -

## GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) shall be mounted at a height of  $2'-3''(\pm)$ . The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52). Mile Markers (D10 series). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (+). 3. For expressways and freeways, mounting height is 7'- 3" ( $\pm$ ) or  $6'-3''(\pm)$  depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3"  $(\pm)$  or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>A4-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42

![](_page_34_Figure_0.jpeg)

7

![](_page_34_Figure_5.jpeg)

PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN		PLOT DATE : 27-JAN-2014 09	:48 PLOT BY : mscsja	PLOT NAME :

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

SHEET NO:

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

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![](_page_35_Figure_0.jpeg)

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

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GENERAL NOTES

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

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

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

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

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

PLOT SCALE : 108.188297:1.000000

![](_page_36_Figure_0.jpeg)

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3 fasteners.

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

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

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

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
<i>+or</i> State Traffic Engineer
DATE <u>4/1/202</u> 0 plate no. <u>44-8.9</u>
SHEET NO: E

![](_page_37_Figure_0.jpeg)

![](_page_38_Figure_0.jpeg)

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

## GENERAL NOTES

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

	4	X 6	5 W	00E	) P0	ST	
		MOD	IF]	[CA	TION	S	
	WISC	onsin L	DEPT	OF TR	ANSPOR	TATION	
	APPROVE	D	Ines	ter J	- Spa	m	
			<b>for</b> s	tate Tra	ffic Enginee	er.	
	DATE 3	/27/9	7	PLAT	'E NO. <u>A</u>	4-11.2	_
			SH	EET	N0:		Ε
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	00	WISDO	T/CADDS	SHEE	т 42

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										R11	- 2																	
7														0-0-		R11	- 2 T		_0-			]					] _ N	 _ _
	SIZE	Δ	В	с	D	E	F	G	Н	Т	J	K	L	М	N	0	P	Q	R	S	Т	U	v	w	x	T Y T	Z	
	1																											
	2S	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5⁄8												10
	2M	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5⁄8												10
	3	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												1
	4	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5⁄8												1
	5	48	30	1 3/8	1/2	5⁄8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												1
	PRO	JECT	NO:						HWY:					С	OUNT	Y:												
L	FILE N	IAME : C	:\Users`	VPROJECTS	\tr_stdp	la†e∖R11	2.dgn	I						1			PLC	DT DATE	: 29-MAR	2021 8:1	.5	PLOT	BY : dota	4c		PLOT NAME	:	

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

С.

- 2. Color:
- 3. Message Series D

![](_page_39_Picture_8.jpeg)

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

										F G G F F G G F		S		V S 0-1H V S 0-1D V S 0-1D V S 0-1D V S 0-1D V S 0-1D					
				W20-1A							<b></b>	]	C W	→ R   20-1B	S I <b>≪</b> — T				_
SIZE         A         B           1         36         -           2S         48         -           2M         48         -           3         48         -	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c cc} E \\ 8 \\ 4 \\ 4 \\ 4 \\ 1 \\ 4 \\ 1 \end{array} $	F     0       5     2       8     3       8     3       8     3	С Н 5/8 3 1/4 3/4 5 1/8 3/4 5 1/8 3/4 5 1/8	I 10 1/8 11 15 3/8 11 15 3/8 11 15 3/8 11	J K 7 7 5/ 1/8 12 1/ 1/8 12 1/ 1/8 12 1/	L           8         8         7/8           14         3/8         14         3/8           18         14         3/8           18         14         3/8	M 1 <sup>1</sup> /8 1 <sup>5</sup> /8 1 <sup>5</sup> /8 1 <sup>5</sup> /8	N 4 1/2 6 7/8 6 7/8 6 7/8	0 3 <sup>1</sup> / <sub>2</sub> 5 <sup>3</sup> / <sub>8</sub> 5 <sup>3</sup> / <sub>8</sub> 5 <sup>3</sup> / <sub>8</sub>	P 9 13 7/8 13 7/8 13 7/8	0 3 <sup>1</sup> /4 4 <sup>3</sup> /8 4 <sup>3</sup> /8 4 <sup>3</sup> /8	R       2     1/2     2       3     7/8     2       3     7/8     2	S     T       2     1/4     5     5       3     8     5       3     8     5       3     8     5	U 13 3/4 13 3/4 13 3/4 13 3/4 13 3/4	v 1 <sup>3</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub> 2 <sup>1</sup> / <sub>8</sub>	W           8           11         7%           11         7%           11         7%	x 1 <sup>3</sup> / <sub>4</sub> 2 <sup>3</sup> / <sub>4</sub> 2 <sup>3</sup> / <sub>4</sub> 2 <sup>3</sup> / <sub>4</sub>	Y 10 3/4 16 3/8 16 3/8 16 3/8
4   48	$ 2^{1}/_{4}  = \frac{3}{2}$	4   1	8 3	3/4   5 1/8	15 3/4   11	1/8   12 <sup> </sup>	$\frac{1}{8}$ 14 $\frac{3}{8}$	1 1 1/8	6 ½	5 3/8	13 🕼	4 3/8	3 1/8	3   8 5	%   13 ⅔⊿	2 <sup>1</sup> / <sub>8</sub>	11 1/2	2 3/4	16 3/2

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

PROJECT	NO:
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48

5

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FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W201.DGN

2 1/4

3/4

1

8

PLOT BY : dotc4c

3

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

![](_page_40_Figure_5.jpeg)

![](_page_41_Figure_0.jpeg)

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W203.DGN

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PLOT DATE : 18-MAR-2011 12:08

### NOTES

- 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 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. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

	Z	Ζ	Areo sq. ft.	
4	1 3	¥4	9.0	STANDARD STON
3	2	⅔	16.0	STANDARD STON
3	2	3⁄8	16.0	W2O-3A, B, C, D, F & G
5	2	⅔	16.0	WISCONSIN DEPT OF TRANSPORTATION
3	2	⅔	16.0	APPROVED Matther R Rauch
;	2	⅔	16.0	For State Traffic Engineer DATE 3/18/11 PLATE NO. W20-3.7
				SHEET NO: E
			PLOT S	CALE : 9.931739:1.000000 WISDOT/CADDS SHEET 42

![](_page_42_Figure_0.jpeg)

![](_page_43_Figure_0.jpeg)

![](_page_44_Figure_0.jpeg)

G:\2018-PROJ\18115028\C3D\SHEETSPLAN\090201-XS.DWG LAYOUT NAME - 20

PLOT DATE : 10/6/2021 10:18 AM PLOT BY :

![](_page_45_Figure_0.jpeg)

10/6/2021 10:19 AM PLOT BY :

![](_page_46_Figure_0.jpeg)

PLOT DATE : 10/6/2021 10:19 AM PLOT BY :

![](_page_47_Figure_0.jpeg)

## Notes

![](_page_49_Picture_0.jpeg)

# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov

![](_page_49_Picture_4.jpeg)