November 2024

ORDER OF SHEETS

Section No.	2	Typical Sections and Def
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat

Section No. 5 Plan and Profile

Section No. 6 Standard Detail Drawings

Section No. 7 Sign Plates

Section No. 8 Structure Plans

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 112

DESIGN DESIGNATION 2720-50-01

A.A.D.T. 2025 = 3000
A.A.D.T. 2045 = 3300
D.H.V. = ____
D.D. = 50/50
T. = 10.0%
DESIGN SPEED = 30 MPH
ESALS = 730,000

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	<u> </u>
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	L
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	-
SLOPE INTERCEPT	
REFERENCE LINE	300,EE
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	x
COMBUSTIBLE FLUIDS	-
MARSH AREA	
W.	

WOODED OR SHRUB AREA

PROFILE	
GRADE LINE	
ORIGINAL GROUND	-/-
MARSH OR ROCK PROFILE (To be noted as such)	ROCK
SPECIAL DITCH	_ LABEL
GRADE ELEVATION	95.36
CULVERT (Profile View)	0 □
UTILITIES	
ELECTRIC	— Е —
FIBER OPTIC	—— FO ——
GAS	—— G ——
SANITARY SEWER	SAN
STORM SEWER	—— ss ——
TELEPHONE	— T —
WATER	— w —
UTILITY PEDESTAL	Ħ
POWER POLE	6
TELEPHONE POLE	ø
	ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

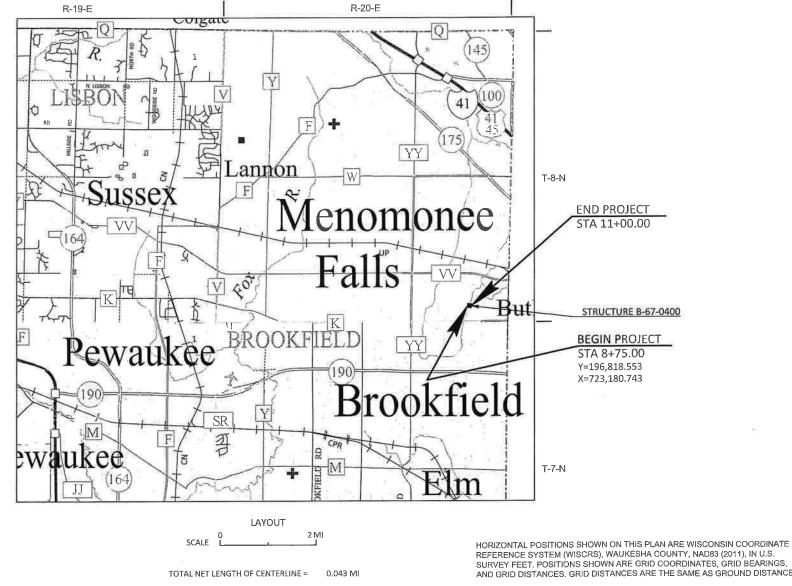
PLAN OF PROPOSED IMPROVEMENT

V MENOMONEE FALLS OVERVIEW DR

BRIDGE OVER BUTLER DITCH, P-67-0774

LOCAL STREET WAUKESHA COUNTY

2720-05-71



 FEDERAL PROJECT

 PROJECT
 CONTRACT

 2720-05-71
 WISC 2025032
 1

ACCEPTED FOR

//ILLAGE OF MENOMONEE F

ORIGINAL PLANS PREPARED BY



Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729-2550

Building a Better World 715.720.6200 main | 888.908.8166 fax for All of Us™ 800.472.5881 toll free | www.sehinc.com



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT Jose DATE: 7/31/2024

(Signature)

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STANDARD ABBREVIATIONS ABUT

RR

CR

CRFFK

ABUTMENT HYD **HYDRANT INSIDE DIAMETER** AGG AGGREGATE INV INVERT APRON ENDWALL FOR CULVERT PIPE IΡ IRON PIPE ON PIN **AECPRC** REINFORCED CONCRETE APRON ENDWALL FOR CULVERT PIPE LHF LEFT-HAND FORWARD LENGTH OF CURVE **CORRUGATED STEEL** LF LINEAR FOOT ASPH **ASPHALTIC** LC LONG CHORD OF CURVE AVG **AVERAGE** LUMP SUM LS ADT AVERAGE DAILY TRAFFIC МН MANHOLE BF **BACK FACE** MOR MID POINT OF RADIUS BM

BENCH MARK NC NORMAL CROWN BRIDGE NO NUMBER CE COMMERCIAL ENTRANCE OBLIT OBLITERATE C/L CENTER LINE PAVT **PAVEMENT** CENTRAL ANGLE OR DELTA PE PRIVATE ENTRANCE

COB CENTER OF BARRIER POINT OF VERTICAL REVERSE CURVE PVRC CONC CONCRETE QOR **OUARTER POINT OF RADIUS**

CPRC CULVERT PIPE REINFORCED CONCRETE R **RADIUS** CULVERT PIPE REINFORCED CONCRETE REQ'D CPRCHE REQUIRED HORIZONTAL FILIPTICAL RES RESIDENCE OR RESIDENTIAL

RHF RIGHT-HAND FORWARD CY **CUBIC YARD** R/W RIGHT-OF-WAY C&G **CURB AND GUTTER** R RIVER DEGREE OF CURVE RDWY ROADWAY DHV DESIGN HOUR VOLUME R/L REFERENCE LINE DISCH DISCHARGE SALV SALVAGED DITCH GRADE DG SAN SANITARY SEWER DWY DRIVEWAY SOLIARE FEFT SF EAST GRID COORDINATE Χ SY SQUARE YARD STEEL PLATE BEAM GUARD ENERGY

EAT SDD STANDARD DETAIL DRAWINGS ABSORBING TERMINAL EOR END POINT OF RADIUS STA STATION

SS STORM SEWER EL **ELEVATION**

STORM SEWER PIPE REINFORCED FNT **FNTRANCE** SSPRC CONCRETE **EQUIVALENT SINGLE AXLE LOADS ESALS** SE SUPERELEVATION RATE

EXC **EXCAVATION** TC TOP OF CURB EBS **EXCAVATION BELOW SUBGRADE** T OR TN

TOWN **EXIST EXISTING** TRUCKS (PERCENT OF) FC **FACE OF CURB** TYP **TYPICAL** FACE TO FACE

FF VAR VARIARIF **FERT FERTILIZE** FIELD ENTRANCE VC VERTICAL CURVE FE NORTH GRID COORDINATE FL FLOW LINE

ΥD YARD FIBER OPTIC CWT HUNDREDWEIGHT

DNR AREA LIAISON:

DNR SOUTHEAST REGION HEADQUARTERS 141 NW BARSTOW ST. WAUKESHA, WI 53188 TELEPHONE: 262 574 2141 ATTENTION: CRAIG WEBSTER EMAIL: CRAIG.WEBSTER@WISCONSIN.GOV

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORTATION SOUTHEAST REGION 141 NW BARSTOW ST WAUKESHA, WI 53188 TELEPHONE: 262.548.6762 ATTENTION: JOSEPH JELACIC FMAIL: IOSEPH IFLACIC@DOT WLGOV

DESIGN CONTACT:

10 N BRIDGE ST. CHIPPEWA FALLS, WI 54729 TELEPHONE: 715 720 6291 ATTENTION: TARA KRISTA EMAIL: TKRISTA@SEHINC.COM

VILLAGE CONTACT:

VILLAGE OF MENOMONEE FALLS W156N8480 PILGRIM ROAD MENOMONEE FALLS, WI 53051 TELEPHONE: 262.532.4414 ATTENTION: JONATHAN BRETL EMAIL: JBRETL@MENOMONEE-FALLS.ORG

UTILITY CONTACT LIST:

SPECTRUM - COMMUNICATION ATTENTION: JON TRAMMELL TELEPHONE: 262 420 0564

EMAIL: JON.TRAMMELL@CHARTER.COM

VILLAGE OF MENOMONEE FALLS - WATER & SANITARY W156 N8480 PILGRIM ROAD MENOMONEE FALLS, WI 53051 ATTENTION: TOM DIMOFF TELEPHONE: 262,523,4807 EMAIL: TDIMOFF@MENOMONEE-FALLS.ORG

WE ENERGIES - GAS 1830 S WEST AVE WAUKESHA, WI 53189 ATTENTION: JACOB HULBERT TELEPHONE: 262.968.5718 EMAIL: JACOB.HULBERT@WE-ENERGIES.COM

WE ENERGIES - ELECTRIC 1830 S WEST AVE WAUKESHA, WI 53189 ATTENTION: JOE FELLENZ TELEPHONE: 262.502.6831

EMAIL: JOSEPH.FELLENZ@WE-ENERGIES.COM

GENERAL NOTES:

- 1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- 2. 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 LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
- 4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
- 5. CONCRETE COLLAR REQUIRED AT JOINTS BETWEEN EXISTING AND NEW CULVERT PIPE.
- JOINT TIES WILL BE REQUIRED ON THE ENDWALL AND LAST 2 SECTIONS PER STD 520 AND 524 ON ALL CULVERT PIPES.
- 7. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
- WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE
- 9. BROKEN CONCRETE SHALL NOT BE USED AS RIPRAP.
- 10. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 11. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
- 12. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 13. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
- 14. DISTURBED AREAS WITHIN THE RIGHT OF WAY, SHALL BE SALVAGED TOPSOILED, FERTILIZED, SEEDED, MULCHED AND EROSION MAT.
- 15. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE
- 16. APPLY TACK COAT AT A RATE OF 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
- 17. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
- 18. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

RUNOFF COEFFICIENT TABLE

		HYDROLOGIC SOIL GROUP										
			A		В		С				D	
	SLOP	E RANGE	(PERCENT)	S	LOPE RANG	GE (PERCENT)	SL	SLOPE RANGE (PERCENT)		SLOPERANGE (PERCENT)		(PERCENT)
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF	.25 .27 .32 .34						.28 .36			.30 .38		
PAVEMENT:				•		•	•	•	•			!
ASPHALT						.7095						
CONCRETE						.8095						
BRICK						.7080						
DRIVES, WALKS		.7585										
ROOFS						.7595						
GRAVEL ROADS, SH	OULDERS					.4060			·			

TOTAL PROJECT AREA = 0.8 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.5 ACRES

2720-05-71

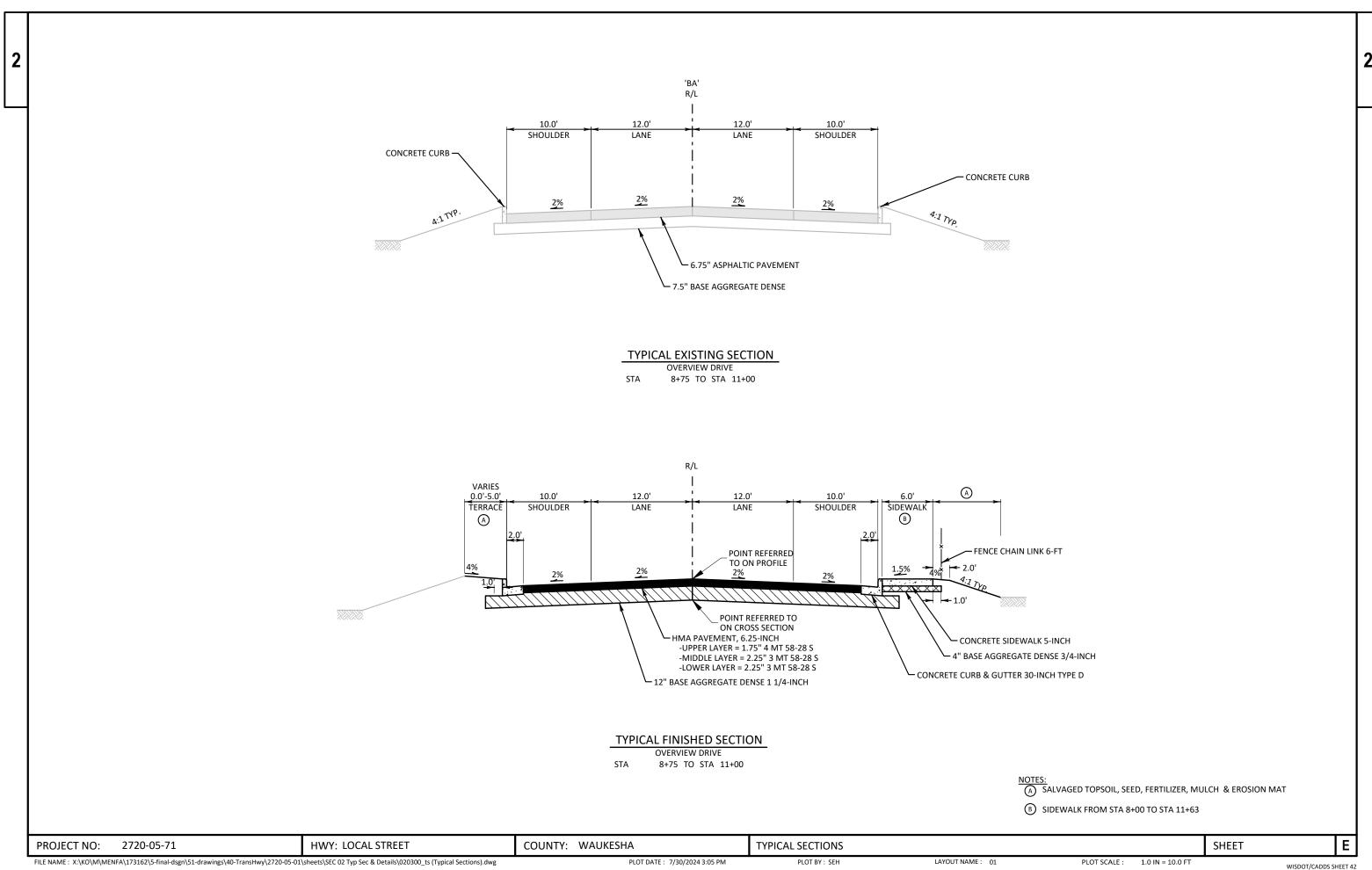
PROJECT NO:

HWY: LOCAL STREET

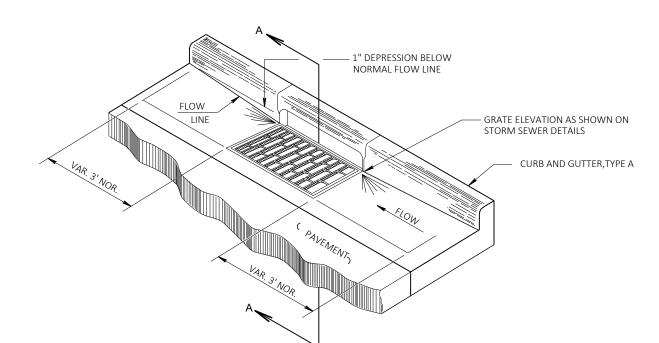
Dial or (800)242-8511 www.DiggersHotline.com

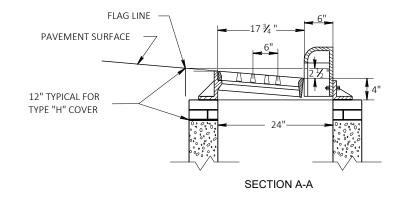
COUNTY: WAUKESHA **GENERAL NOTES**

PLOT SCALE :



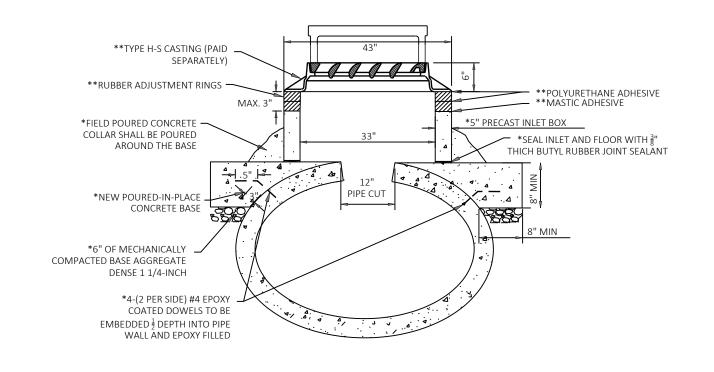
ELEVATION





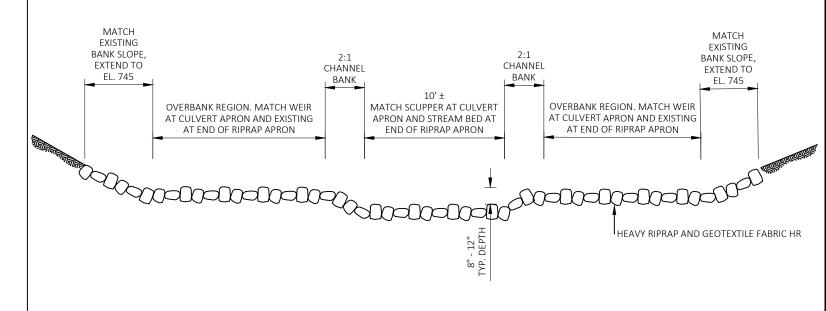
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)



SADDLE INLET

*INCIDENTAL TO SADDLE INLET BID ITEM **INCIDENTAL TO TYPE H-S CASTING



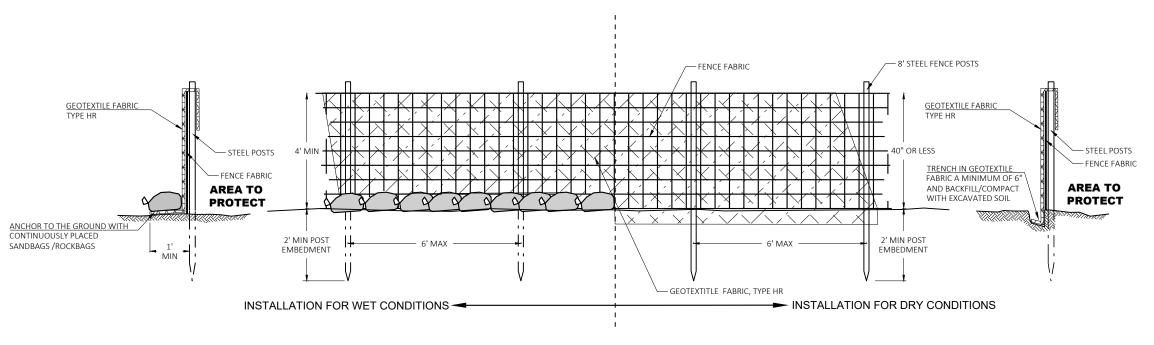
TYPICAL SECTION SHAPING OF RIPRAP APRON

NOTE: WITHIN THE MIDDLE CHANNEL AND CHANNEL BANK AREA, BED LARGER STONE INTO THE STREAM BED AND USE HAND METHODS TO CHINK THE GAPS TO CREATE A COMPACTED. TIGHT. AND UNIFORM SURFACE THAT CONFORMS WITH THE SCUPPER CROSS SECTION GIVEN ON THE STRUCTURE PLANS WITH NO PROTRUDING STONE. RIPRAP IN THE OVERBANK AREA MAY BE PLACED BY CONVENTIONAL MACHINE METHODS.

PROJECT NO: 2720-05-71 HWY: LOCAL STREET COUNTY: WAUKESHA **CONSTRUCTION DETAILS** SHEET

7/30/2024 3:00 PM

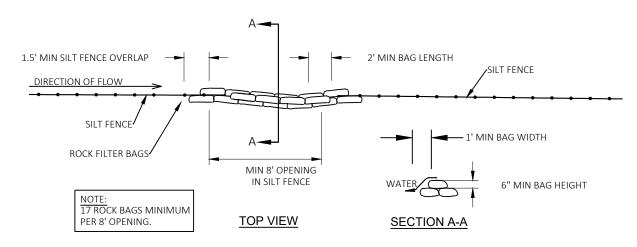




SILT FENCE HEAVY DUTY

GENERAL NOTES:

- 1. ATTACH FENCE FABRIC TO POSTS A MINIMUM OF 3 TIES PER POST (TOP, MIDDLE, BOTTOM)
- ATTACH GEOTEXTILE FABRIC TO FENCE FABRIC AND/OR POSTS AT A MAXIMUM SPACING OF EVERY 2 FEET ALONG THE TOP AND ADDITIONALLY AS NECESSARY TO PREVENT DISPLACEMENT BY WIND AND WAVE ACTIONS.



ROCK BAGS USED FOR SILT FENCE RELIEF

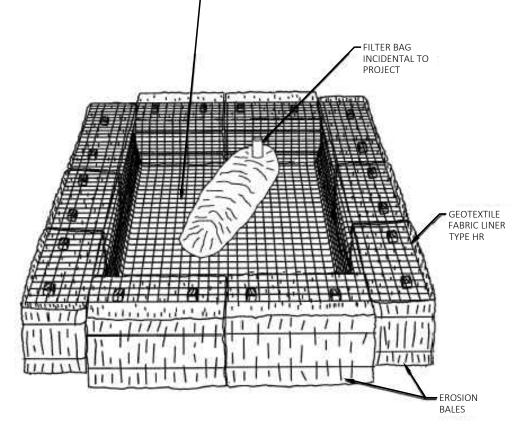
9/23/2024 10:51 AM

PROJECT NO: 2720-05-71 HWY: LOCAL STREET COUNTY: WAUKESHA CONSTRUCTION DETAILS SHEET **E**

LAYOUT NAME - 02

1 IN:10 FT

CONTRACTOR TO PROVIDE A SEDIMENT BAG OR APPROVED EQUAL TO BE PLACED INSIDE OF BASIN. THE COST OF ALL WORK AND MATERIALS TO CONSTRUCT THE SETTLING BASIN WILL BE PAID UNDER CONTRACT BID ITEMS EROSION BALES (EACH) AND GEOTEXTILE FABRIC TYPE HR (SY). SEDIMENT BAG AND DEWATERING IS INCIDENTAL TO THE BID ITEMS THE WORK IS ASSOCIATED WITH.



TEMPORARY SETTLING BASIN WITH SEDIMENT BAG

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (CF) = 16 X GPM (PUMP RATE)

EXAMPLE: CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM

HEIGHT OF BALES = 1.5 FT

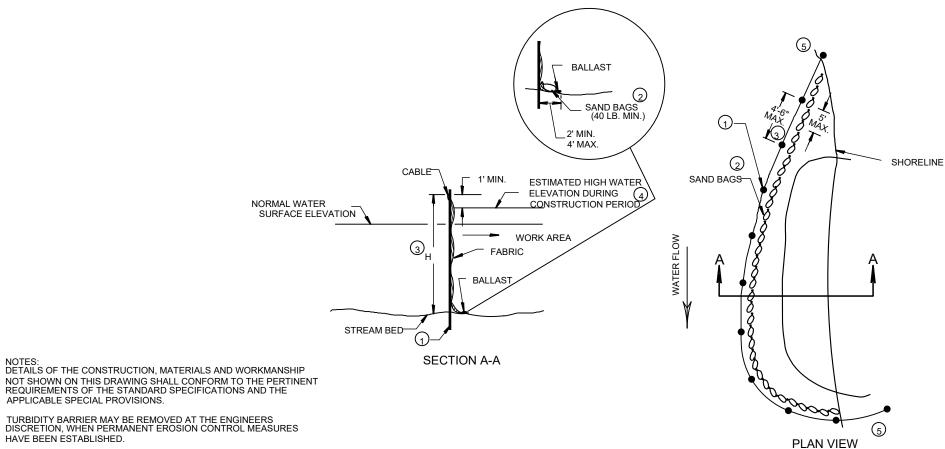
SOLUTION:

SV (CF) = 16 X 50 SV = 800 CF

800 CF 1.5 FT = 533 SF

USE A 20 FT X 27 FT BASIN

Ε PROJECT NO: 2720-05-71 HWY: LOCAL STREET COUNTY: WAUKESHA CONSTRUCTION DETAILS SHEET 7/30/2024 3:00 PM PLOT BY: SAVANNAH STEHN FILE NAME :



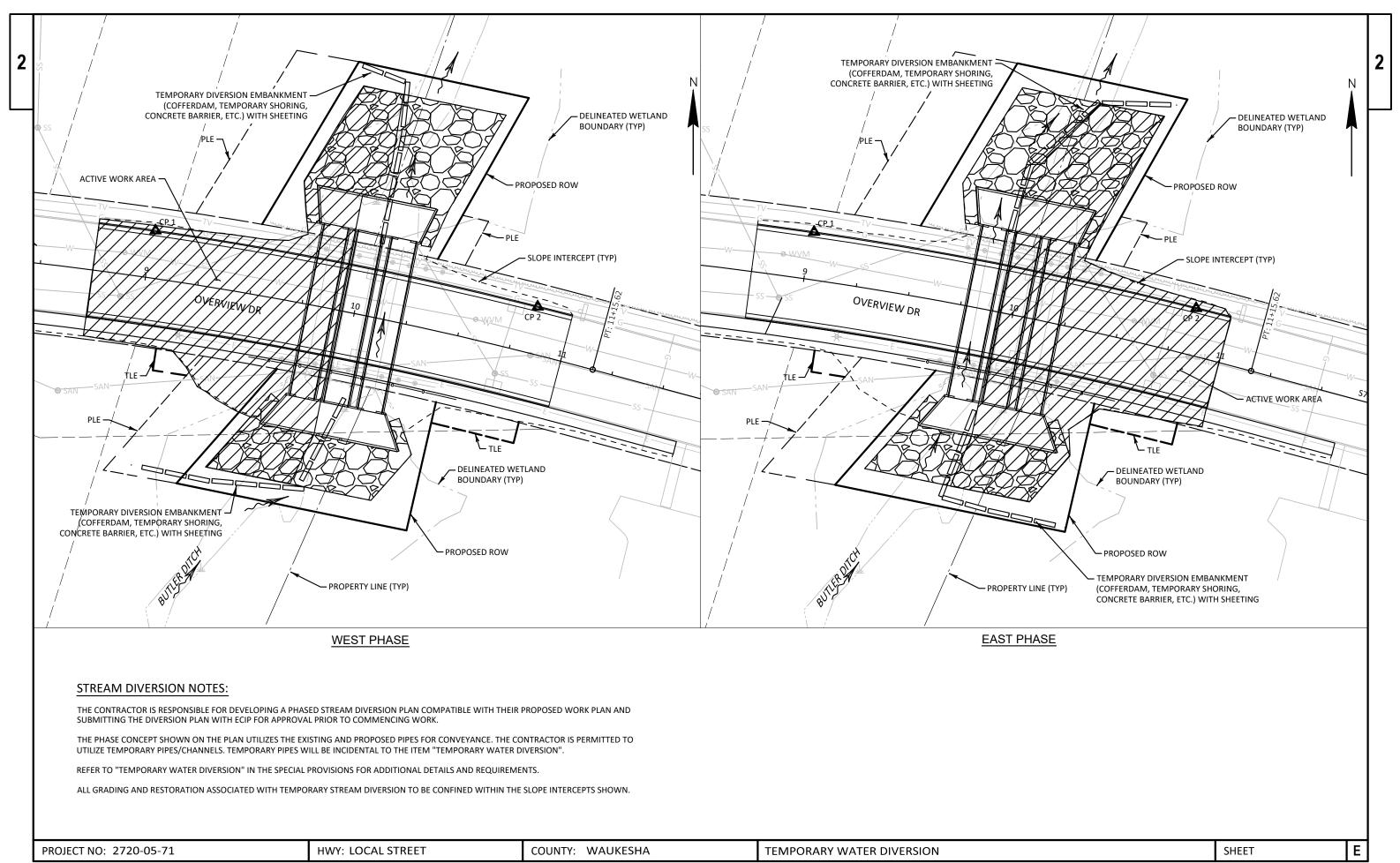
TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

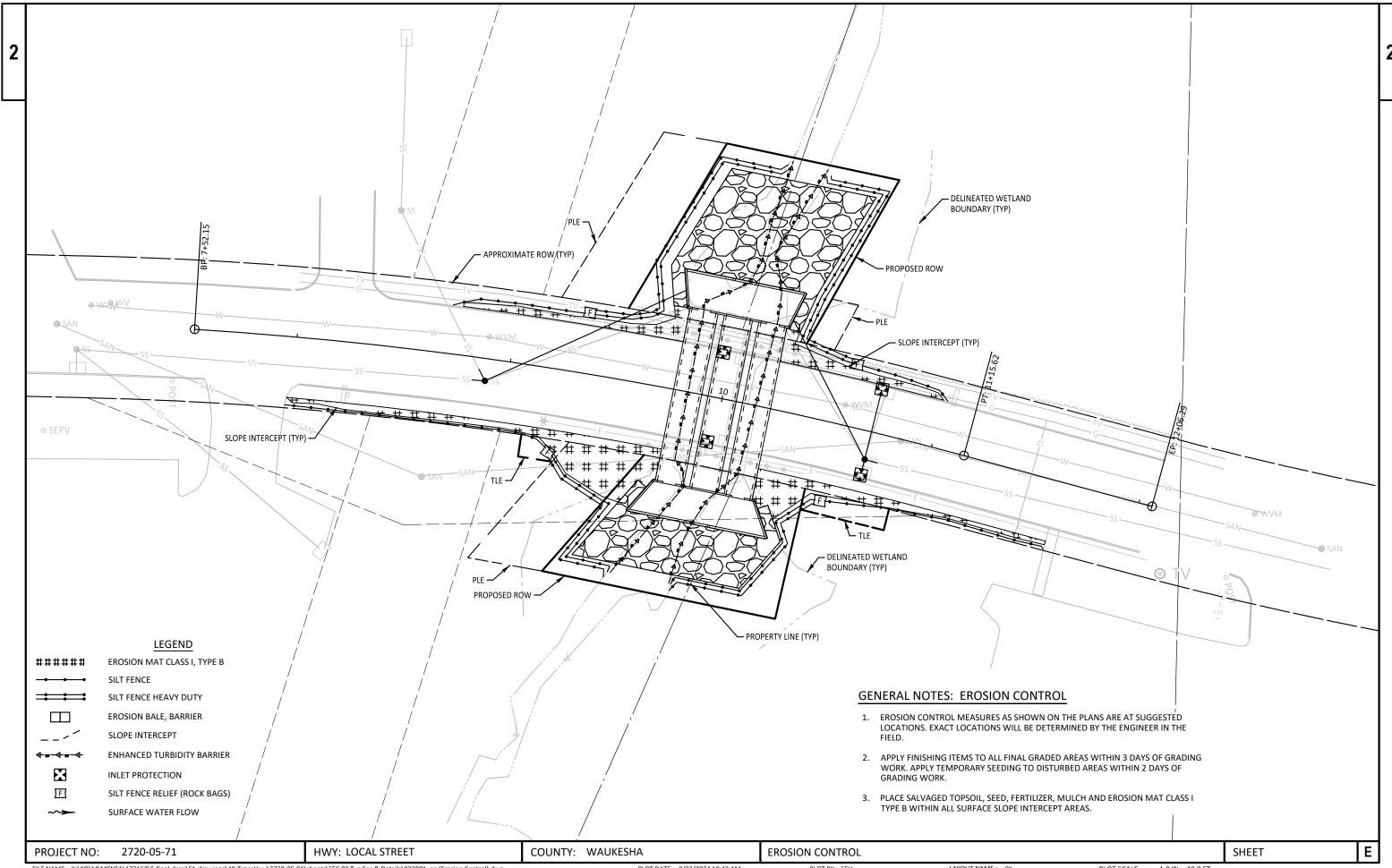
- DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- SANDBAGS OR ROCK BAGS SHALL BE USED AS ADDITIONAL BALLAST. PLACE CONTINUOUSLY WITH NO GAPS. SAND OR ROCK BAGS ARE INCIDENTAL TO THE BID ITEM "ENHANCED TURBIDITY BARRIER".
- WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.
- ESTIMATED HIGH WATER ELEVATIONS DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 1' GREATER THAN THE OBSERVED WATER ELEVATION AT THE TIME OF CONSTRUCTION.
- ENDS OF BARRIER ARE TO BE TRENCHED INTO THE SHORELINE OR CONNECTED CONTINUOUSLY TO THE CONCRETE WALLS TO FULLY ISOLATE THE IN-WATER WORK ZONE.

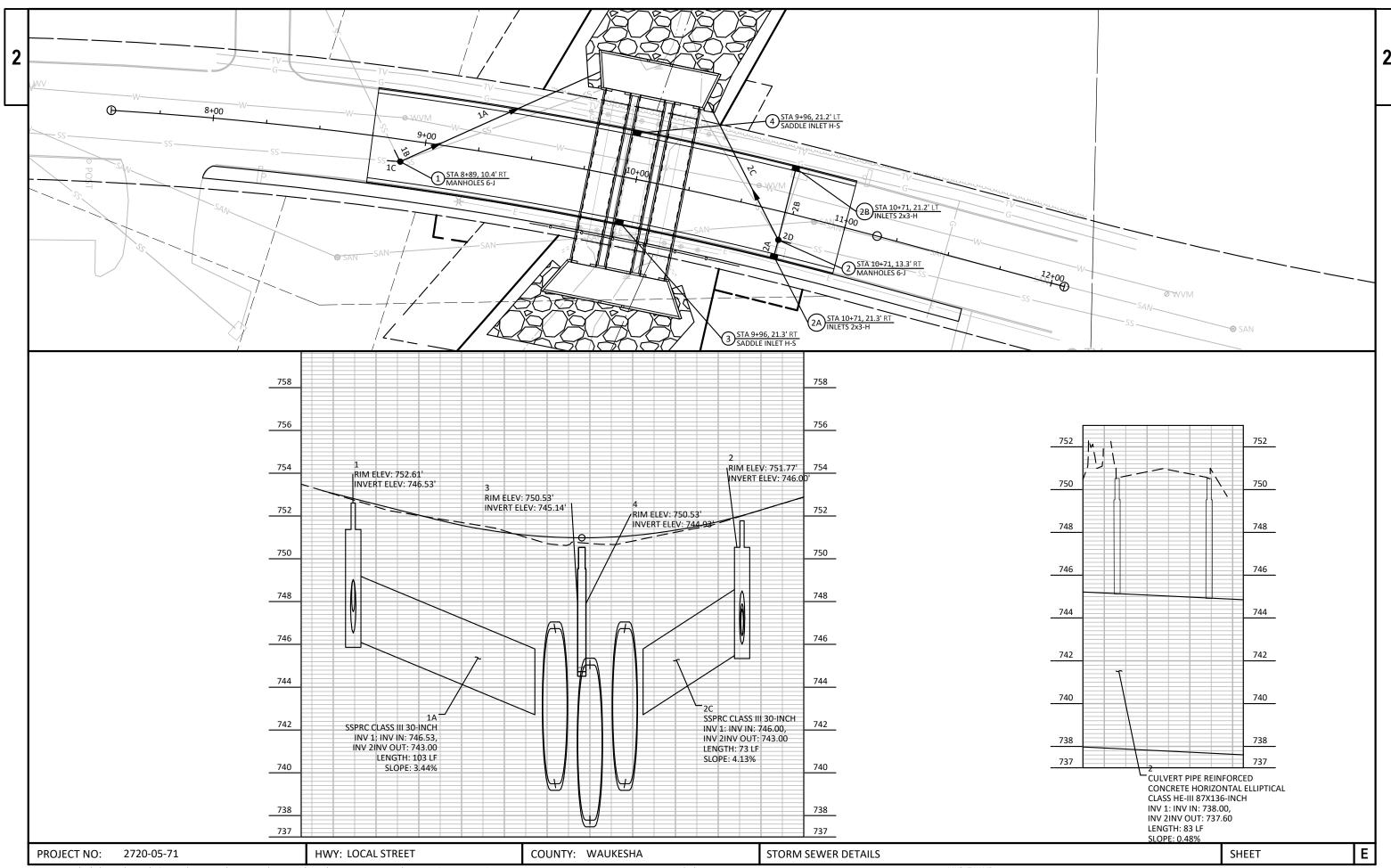
ENHANCED TURBIDITY BARRIER DETAIL

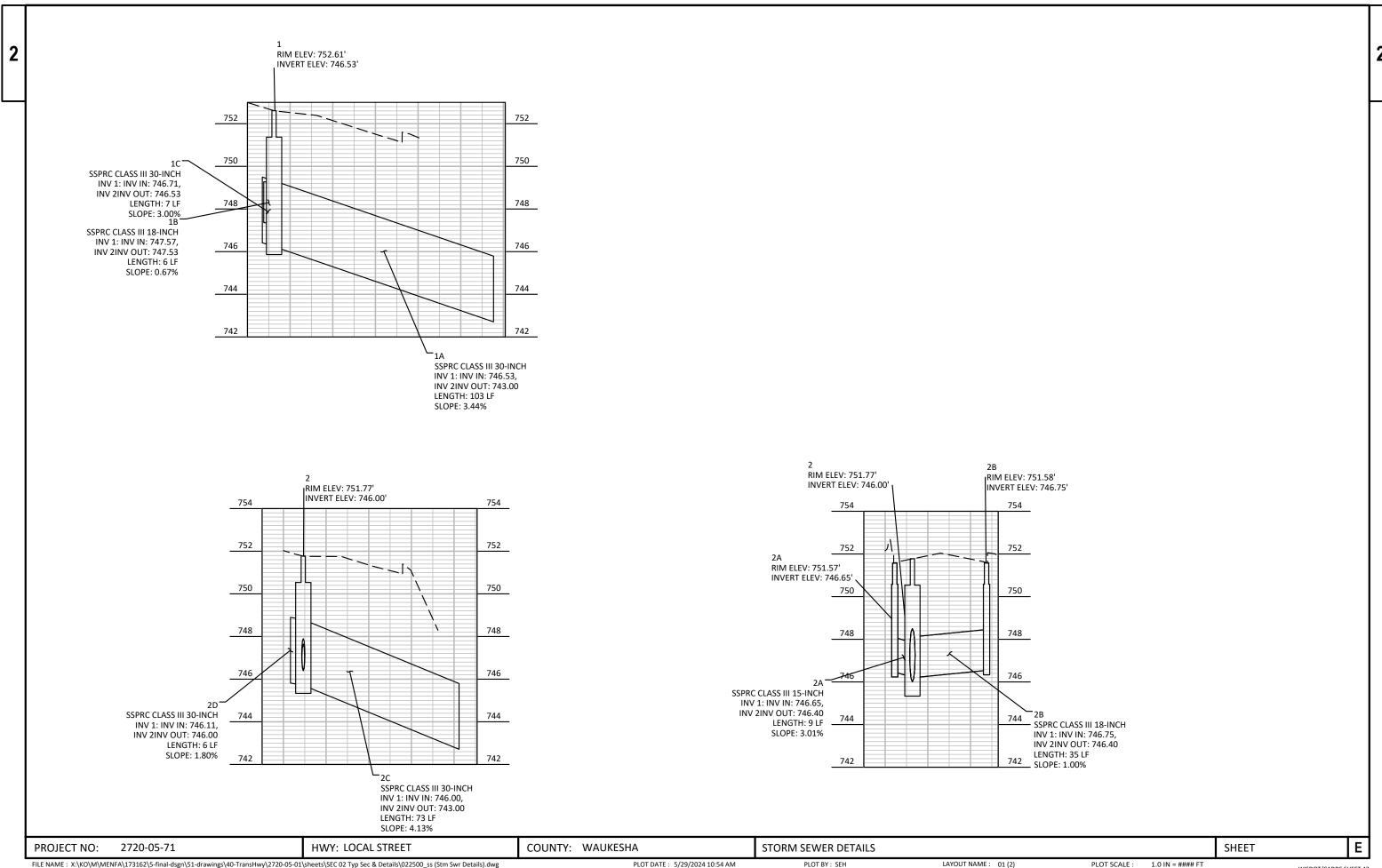
Ε PROJECT NO: 2720-05-71 HWY: LOCAL STREET COUNTY: WAUKESHA **CONSTRUCTION DETAILS** SHEET

7/30/2024 3:00 PM









					2720-05-71
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. P-67-0774	EACH	1.000	1.000
8000	204.0150	Removing Curb & Gutter	LF	450.000	450.000
0010	204.0165	Removing Guardrail	LF	159.000	159.000
0012	204.0210	Removing Manholes	EACH	2.000	2.000
0014	204.0215	Removing Catch Basins	EACH	2.000	2.000
0016	204.0220	Removing Inlets	EACH	2.000	2.000
0018	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	6.000	6.000
0020	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	62.000	62.000
0022	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	34.000	34.000
0024	204.0245	Removing Storm Sewer (size) 04. 30-Inch	LF	186.000	186.000
0026	205.0100	Excavation Common	CY	584.000	584.000
0028	206.2001	Excavation for Structures Culverts (structure) 01. B-67-0400	EACH	1.000	1.000
0030	210.2500	Backfill Structure Type B	TON	4,000.000	4,000.000
0032	213.0100	Finishing Roadway (project) 01. 2720-05-71	EACH	1.000	1.000
0034	305.0110	Base Aggregate Dense 3/4-Inch	TON	65.000	65.000
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	816.000	816.000
0038	455.0605	Tack Coat	GAL	100.000	100.000
0040	460.2000	Incentive Density HMA Pavement	DOL	230.000	230.000
0042	460.6223	HMA Pavement 3 MT 58-28 S	TON	252.000	252.000
0044	460.6224	HMA Pavement 4 MT 58-28 S	TON	98.000	98.000
0046	504.0100	Concrete Masonry Culverts	CY	115.000	115.000
0048	505.0400	Bar Steel Reinforcement HS Structures	LB	11,050.000	11,050.000
0050	516.0500	Rubberized Membrane Waterproofing	SY	35.000	35.000
0052	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	450.000	450.000
0054	602.0410	Concrete Sidewalk 5-Inch	SF	2,156.000	2,156.000
0056	606.0300	Riprap Heavy	CY	475.000	475.000
0058	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	6.000	6.000
0060	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	8.000	8.000
0062	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	34.000	34.000
0064	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	186.000	186.000
0066	611.0530	Manhole Covers Type J	EACH	2.000	2.000
8800	611.0624	Inlet Covers Type H	EACH	2.000	2.000
0070	611.0639	Inlet Covers Type H-S	EACH	2.000	2.000
0072	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0074	611.3230	Inlets 2x3-FT	EACH	2.000	2.000
0076	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	86.000	86.000
0078	616.0206	Fence Chain Link 6-FT	LF	363.000	363.000
0800	618.0100	Maintenance and Repair of Haul Roads (project) 01. 2720-05-71	EACH	1.000	1.000
0082	619.1000	Mobilization	EACH	1.000	1.000
0084	624.0100	Water	MGAL	8.000	8.000
0086	625.0500	Salvaged Topsoil	SY	388.000	388.000
8800	627.0200	Mulching	SY	388.000	388.000
0090	628.1104	Erosion Bales	EACH	12.000	12.000
0092	628.1504	Silt Fence	LF	425.000	425.000
0094	628.1520	Silt Fence Maintenance	LF	425.000	425.000
0096		Silt Fence Heavy Duty	LF	580.000	580.000
0098		Silt Fence Heavy Duty Maintenance	LF	580.000	580.000

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					2720-00-71
Line	Item	Item Description	Unit	Total	Qty
0100	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0102	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0104	628.2004	Erosion Mat Class I Type B	SY	360.000	360.000
0106	628.7005	Inlet Protection Type A	EACH	6.000	6.000
0108	628.7015	Inlet Protection Type C	EACH	6.000	6.000
0110	628.7570	Rock Bags	EACH	78.000	78.000
0112	629.0210	Fertilizer Type B	CWT	0.300	0.300
0114	630.0130	Seeding Mixture No. 30	LB	10.300	10.300
0116	630.0200	Seeding Temporary	LB	41.000	41.000
0118	630.0500	Seed Water	MGAL	9.000	9.000
0120	642.5001	Field Office Type B	EACH	1.000	1.000
0122	643.0420	Traffic Control Barricades Type III	DAY	160.000	160.000
0124	643.0705	Traffic Control Warning Lights Type A	DAY	400.000	400.000
0126	643.0900	Traffic Control Signs	DAY	80.000	80.000
0128	643.5000	Traffic Control	EACH	1.000	1.000
0130	645.0120	Geotextile Type HR	SY	739.000	739.000
0132	650.4000	Construction Staking Storm Sewer	EACH	6.000	6.000
0134	650.4500	Construction Staking Subgrade	LF	225.000	225.000
0136	650.5000	Construction Staking Base	LF	225.000	225.000
0138	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	450.000	450.000
0140	650.6501	Construction Staking Structure Layout (structure) 01. B-67-0400	EACH	1.000	1.000
0142	650.9500	Construction Staking Sidewalk (project) 01. 2720-05-71	EACH	1.000	1.000
0144	650.9911	Construction Staking Supplemental Control (project) 01. 2720-05-71	EACH	1.000	1.000
0146	650.9920	Construction Staking Slope Stakes	LF	225.000	225.000
0148	690.0150	Sawing Asphalt	LF	80.000	80.000
0150	690.0250	Sawing Concrete	LF	4.000	4.000
0152	715.0502	Incentive Strength Concrete Structures	DOL	720.000	720.000
0154	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	250.000	250.000
0156	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	900.000	900.000
0158	SPV.0035	Special 01. Structural Grout	CY	105.000	105.000
0160	SPV.0060	Special 01. Adjust Sanitary Manhole Covers	EACH	1.000	1.000
0162	SPV.0060	Special 02. Adjust Water Valve Box	EACH	2.000	2.000
0164	SPV.0060	Special 03. Temporary Water Diversion	EACH	1.000	1.000
0166	SPV.0060	Special 04. Saddle Inlet	EACH	2.000	2.000
0168	SPV.0090	Special 01. Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 87x136-I		246.000	246.000
0170	SPV.0180	Special 01. Enhanced Turbidity Barriers	SY	195.000	195.000

REMOVING CURB AND GUTTER

CLEARING AND GRUBBING

201.0105 201.0205

CLEARING GRUBBING

CATEGORY	STATION	LOCATION	STA	STA	REMARKS	
0010	9+00 - 11+00	LT&RT	2	2	-	
•	PROJECT TO	DTALS	2	2		

204.0150

REMOVING CURB &

GUTTER

CATEGORY	STATION	LOCATION	LF	REMARKS
0010	8+75 - 11+00	LT&RT	450	-
_				
	PROJECT TO	TALS	450	

REMOVING STORM SEWER STRUCTURES

204.0210 204.0215 204.0220

REMOVING REMOVING REMOVING

MANHOLES CATCH BASINS INLETS

CATEGORY	STATION	LOCATION	EACH	EACH	EACH	REMARKS
0010	8+89	RT	1	-	-	-
	10+06	RT	-	1	-	=
	10+06	LT	-	1	-	-
	10+71	RT	1	-	-	-
	10+72	RT	-	-	1	-
	10+73	LT	-	-	1	-
	PROJECT	TOTALS	2	2	2	

REMOVING GUARDRAIL

204.0165 REMOVING GUARDRAIL LF REMARKS

159

PROJECT TOTALS 159

LOCATION

LT&RT

STATION

9+64 - 10+45

REMOVING STORM SEWER PIPE

204.0245 204.0245 204.0245 204.0245 REMOVING REMOVING REMOVING STORM SEWER STORM SEWER STORM SEWER 01. 12-INCH 02. 15-INCH 03. 18-INCH 04. 30-INCH

CATEGORY	STATION	LOCATION	LF	LF	LF	LF	REMARKS
0010	8+75 - 11+00	LT&RT	6	62	34	186	LATERALS AND TRUNK LINE
•	PROJECT T	OTALS	6	62	34	186	

	EARTHWORK SUMMARY (PROJECT ID 2720-05-71)											
CATEGORY	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION SALVAGED / UNUSABLE				EXPANDED FILL (4)					
			сит	PAVEMENT MATERIAL	AVAILABLE MATERIAL	UNEXPANDED	FACTOR	MASS ORDINATE +/-				
			(1)	(2)	(3)	FILL	1.25	(5)				
0010	8+00 - 11+63	OVERVIEW DRIVE	584	185	399	219	274	125				
	PROJECT TOTAL		584									
	NOTES:		334					<u> </u>				

- (1) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (2) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (3) AVAILABLE MATERIAL = CUT SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- (4) EXPANDED FILL FACTOR = 1.25
- (5) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

PROJECT NO: 2720-05-71 HWY: LOCAL STREET COUNTY: WAUKESHA MISCELLANEOUS QUANTITIES	SHEET	E
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BASE AGGREGATE ITEMS

305.0110 305.0120 624.0100

BASE AGGREGATE BASE AGGREGATE

			DENSE 3/4-INCH	DENSE 1 1/4-INCH	WATER		
CATEGORY	STATION	LOCATION	TON	TON	MGAL	REMARKS	_
0010	8+75 - 11+00	LT&RT	=	816	8	=	_
0020	8+00 - 11+63	RT	65	-	-	-	
-	PROJECT TO	TALS	65	816	8		_

ASPHALTIC ITEMS

			455.0605	460.6223	460.6224	
			TACK COAT	HMA PAVEMENT 3 MT 58-28 S	HMA PAVEMENT 4 MT 58-34 S	
CATEGORY	STATION	LOCATION	GAL	TON	TON	REMARKS
0010	8+75 - 11+00	LT&RT	100	252	98	-
'	PROJECT T	OTALS	100	252	98	

CONCRETE	CHER	AND	CHITTER
CONCRETE	CUKB	ANU	GUITER

601.0411 CONCRETE **CURB & GUTTER** 30-INCH TYPE D

450

602.0410

2156

CATEGORY STATION LOCATION REMARKS 0010 8+75 - 11+00 LT&RT 450 PROJECT TOTALS

CONCRETE SIDEWALK

CONCRETE SIDEWALK 5-INCH CATEGORY STATION LOCATION SE REMARKS 8+00 - 11+63 2156 RT 0010

PROJECT TOTALS

MAINTENANCE AND REPAIR OF HAUL ROADS 01. 2720-05-71

618.0100 **CATEGORY** LOCATION 0030 PROJECT

PROJECT TOTALS

STORM SEWER PIPE

608.0312 608.0315 608.0318 608.0330 STORM SEWER PIPE STORM SEWER PIPE STORM SEWER PIPE STORM SEWER PIPE REINFORCED CONCRETE REINFORCED CONCRETE REINFORCED CONCRETE **CLASS III CLASS III CLASS III** CLASS III

			027 100 111	027 100 111	CEA55 III	CLASS III	
	FROM	ТО	12-INCH	15-INCH	18-INCH	30-INCH	
CATEGORY	STRUCTURE	STRUCTURE	LF	LF	LF	LF	REMARKS
0010	EXISTING	1	=	E	=	6	WESTPIPE
	EXISTING	1	6	Ε.	Ε.	Ε.	NORTHWEST PIPE
	1	OUTFALL	-	-	-	102	-
	EXISTING	4	F	, -	=	6	EASTPIPE
	5	4	-	8	Ξ	×	*
	6	4	-	-	34	-	-
	4	OUTFALL	-	-	-	72	-
	PRO	JECT TOTAL	6	8	34	186	

611.201 611.3230

MANHOLES

STORM SEWER STRUCTURES

INLET

SADDLE **COVERS** COVERS COVERS 6-FT INLETS RIM INVERT **DEPTH **ELEVATION ELEVATION** TYPEH-S DIAMETER INLET **COMMENTS** TYPEJ **TYPEH** 2x3-FT *STATION *OFFSET **EACH EACH EACH EACH EACH EACH** FT FT FT 10.40'RT 4.55 8+89 1 752.61 746.53 9+96 21.25'LT 1 750.53 744.93 4.39 9+96 21.25'RT 750.55 745.14 4.20 13.25'RT 751.77 10+71 746.00 4.24 21.25'RT 751.61 747.22 10+71 3.19 10+71 21.25'LT 751.62 747.51 2.90

SPV.0060.04

*STATION & OFFSET TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED IN THE PLANS

MANHOLE

611.0530 611.0624 611.0639

INLET

** DEPTH = RIM ELEV- COVER HT- 6 INCH ADJ RING HT- INVERT ELEV- PIPE THICKNESS

2720-05-71 COUNTY: WAUKESHA SHEET PROJECT NO: **HWY: LOCAL STREET** MISCELLANEOUS QUANTITIES

PROJECT TOTALS

STRUCTURE

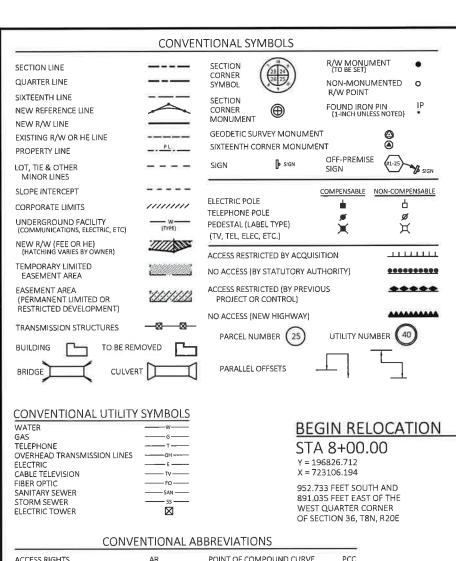
NUMBER

CATEGORY

0010

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J	

							<u>FENCINO</u>	<u>G I I E IVIS</u>								<u>I</u>	FINISHING I	<u>TEMS</u>							
								616.02 FENC CHAIN L	CE LINK							625.0500 SALVAGED	627.0200	629.0210 FERTILIZER	MIXTURE	630.0200 SEEDING	630.050 SEED)			
				CATEGORY		STATION	LOCATION	6-FT LF		REMARKS			CATEGORY	STATION - ST	TATION	TOPSOIL SY	MULCHING SY	TYPE B CWT	NO. 30 LB	TEMPORARY LB	WATER MGAL				
				0010		3+00 - 11+63	RT	363		- LEIVIANNS	_	-	0010	ENTIRE PRO		310	310	0.2	8.2	32.8	7	_			
														UNDISTRIBUT		78	78	0.1	2.1	8.2	2				
						PROJECT TO	ALS	363	3					PROJECT TO	OTALS	388	388	0.3	10.3	41.0	9				
								EROSIO	ON CONTRO	DL										TR	AFFIC CO	ONTROL			
			8.1104 6 OSION GE	645.0120 62	8.1504 SILT		SILT SIL		628.2002 EROSION MAT CLASSI	SPV.0180.01 ENHANCED	628.7005 INLET PROTECTION	INLET	628.7570	628.1905 0 MOBILIZATION: EROSION	628.1 MOBILIZA S EMERG EROSI	ATONS ENCY				APPROX. T	643.04	420 DNTROL T	643.0705 TRAFFIC CONTI WARNING LIG	ROL 6	43.0900 FIC CONT
		B	BALES	TYPEHR	ENCE	MAINTENANCE	DUTY MAIN	NTENANCE	TYPE B	BARRIERS	TYPEA	TYPEC	BAGS	CONTROL	CONT	ROL				PERIOD	TYPEII		TYPE A		SIGNS
ATEGORY 0010 P	STATION LT/ PROJET LENGTH		ACH 10	SY 20	LF 340	LF 340		LF 465	SY 300	SY 195	EACH 4	EACH 4	EACH 68	EACH 4	EAC 2		ARKS	CATEGORY	LOCATION			DAYS	QTY. DA		
_	JNDISTRIBUTED		2		85	85		115	60		2	2	10		_			0010	ENTIRE PROJEC	T 40		160	10 40		3
	SINDISTRIBUTED			4	65	65		580	00	195	2	2	10						PROJECT ⁻	TOTALS		160 160	4(00	8
									<u>STAKI</u>	NG ITEMS										<u>U</u>	TILITY AD	<u> JJUSTME</u>	<u>NTS</u>		
CAT	egory stati	ON L	LOCATION	STAKI STORM S	CTION (NG EWER	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	STAK CURB GU CURB &	5500 RUCTION KING	NG ITEMS 650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	.50.9500 ISTRUCTIOI STAKING IDEWALK EACH	N CONS ST SUPPLEME	0.9911 STRUCTION (FAKING ENTAL CONTROL EACH	650.99 CONSTRUG STAKIN SLOPE ST LF	CTION NG AKES				<u>U</u>	SPV.0060 ADJUS SANITA MANHO	50.01 ST S ARY OLE	SPV.0060.02 ADJUST WATER	612.090 INSULAT BOAR POLYSTYI	ION D EENE
			<u>LOCATION</u> LT&RT	CONSTRU STAKI STORM S N EAC	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE	CONSTRUCTION STAKING BASE	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING JTTER AND GUTTER	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK	N CONS ST SUPPLEME	TRUCTION (FAKING ENTAL CONTROL	CONSTRUG STAKIN SLOPE ST	CTION NG AKES		CATEGORY	STATION	<u>U</u> LOCATION	SPV.0060 ADJUS SANITA	50.01 ST S ARY OLE RS	SPV.0060.02 ADJUST	INSULAT BOAR	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225	CONSTRUCTION STAKING BASE LF 225	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION (FAKING ENTAL CONTROL EACH 1	CONSTRUG STAKIN SLOPE ST LF 225	CTION NG AKES		CATEGORY 0030	8+88	LOCATION LT	SPV.0060 ADJUS SANITA MANHO COVER	50.01 ST S ARY OLE RS	SPV.0060.02 ADJUST WATER VALVE BOX	INSULAT BOAR POLYSTYI 2-INC SY	ION D EENE H
	0010 8+75 - 1		LT&RT	CONSTRU STAKI STORM S N EAC	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF	CONSTRUCTION STAKING BASE LF	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING JTTER AND GUTTER LF	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	STRUCTIOI STAKING IDEWALK EACH	N CONS ST SUPPLEME	TRUCTION (TAKING ENTAL CONTROL EACH	CONSTRUG STAKIN SLOPE ST LF	CTION NG AKES				LOCATION LT LT	SPV.0060 ADJUS SANITA MANHO COVER	50.01 ST S ARY OLE RS	SPV.0060.02 ADJUST WATER VALVE BOX EACH	INSULAT BOAR POLYSTYI 2-INC	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225	CONSTRUCTION STAKING BASE LF 225	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION (FAKING ENTAL CONTROL EACH 1	CONSTRUG STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20	LOCATION LT LT	SPV.0060 ADJUS SANITA MANHO COVER	50.01 ST S ARY OLE RS	SPV.0060.02 ADJUST WATER VALVE BOX EACH	INSULAT BOAR POLYSTYI 2-INC SY	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225	CONSTRUCTION STAKING BASE LF 225	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION (FAKING ENTAL CONTROL EACH 1	CONSTRUG STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20 9+60 - 10+40	LOCATION LT LT LT LT&RT	SPV.0060 ADJUS SANITA MANHO COVER	50.01 ST S ARY OLE RS	SPV.0060.02 ADJUST WATER VALVE BOX EACH	INSULAT BOAR POLYSTYI 2-INC SY	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225	CONSTRUCTION STAKING BASE LF 225	CONSTR STAK CURB GU CURB & L	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION (FAKING ENTAL CONTROL EACH	CONSTRUG STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150	CONSTRUCTION STAKING BASE LF 225	CONSTR STAK CURB GU CURB & L 45	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION OF TAKING ENTAL CONTROL EACH 1 SPECIALS TEMPORARY WATER	CONSTRUG STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20 9+60 - 10+40 10+52 10+56	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH	INSULAT BOAR POLYSTYI 2-INC SY	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150 SAWING	CONSTRUCTION STAKING BASE LF 225 225 SAWING	CONSTR STAK CURB GU CURB & L 45	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	ISTRUCTIOI STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION OF TAKING ENTAL CONTROL EACH 1 1 SPECIALS TEMPORARY WATER DIVERSION	CONSTRUC STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H
	0010 8+75 - 1	1+00	LT&RT	CONSTRU STAKI STORM S N EAC 6	CTION (NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150	CONSTRUCTION STAKING BASE LF 225 225	CONSTR STAK CURB GU CURB & 4:	5500 RUCTION KING ITTER AND GUTTER LF 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	STRUCTION STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	STRUCTION OF TAKING ENTAL CONTROL EACH 1 SPECIALS TEMPORARY WATER	CONSTRUC STAKIN SLOPE ST LF 225	CTION NG AKES			8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H
	PRO.	1+00 JECT TO	CTALS STATION 8+75	CONSTRU STAKI STORMS N EAC 6 6	CTION C NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150 SAWING ASPHALT	CONSTRUCTION STAKING BASE LF 225 225 SAWING CONCRETE	CONSTR STAK CURB GU CURB & 4:	5500 RUCTION KING JITTER AND GUTTER 50 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	STRUCTION STAKING IDEWALK EACH 1	N CONS ST SUPPLEME	TEMPORARY WATER DIVERSION SPV.0060.03	CONSTRUC STAKIN SLOPE ST LF 225 225	CTION NG AKES	-		8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H
	PRO.	1+00 JECT TO	LT&RT OTALS	CONSTRU STAKI STORMS N EAC 6 6	CTION C NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150 SAWING ASPHALT LF	CONSTRUCTION STAKING BASE LF 225 225 SAWING CONCRETIL	CONSTR STAK CURB GU CURB & 4:	5500 RUCTION KING JITTER AND GUTTER 50 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	STRUCTION STAKING IDEWALK EACH 1 1	N CONS ST SUPPLEME	TERUCTION TAKING ENTAL CONTROL EACH 1 1 SPECIALS TEMPORARY WATER DIVERSION SPV.0060.03 EACH	CONSTRUC STAKIN SLOPE ST LF 225 225	CTION NG AKES	- -		8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H
	PRO.	1+00 JECT TC	STATION 8+75 11+00	CONSTRU STAKI STORMS N EAC 6 6	CTION C NG EWER H	CONSTRUCTION STAKING SUBGRADE LF 225 225 SAWING 690.0150 SAWING ASPHALT LF 40	CONSTRUCTION STAKING BASE LF 225 225 SAWING CONCRETI	CONSTR STAK CURB GU CURB & 4:	5500 RUCTION KING JITTER AND GUTTER 50 50	650.6501 CONSTRUCTI STAKING STRUCTURE LA 01. B-67-04 EACH	ON 6: CON: YOUT S 00 SI	STRUCTION STAKING IDEWALK EACH 1 1	N CONS ST SUPPLEME	STRUCTION TAKING ENTAL CONTROL EACH 1 SPECIALS TEMPORARY WATER DIVERSION SPV.0060.03 EACH 1	CONSTRUC STAKIN SLOPE ST LF 225 225	CTION NG AKES	-		8+88 9+20 9+60 - 10+40 10+52 10+56 10+85	LOCATION LT LT LT&RT LT LT RT	SPV.0060 ADJUS SANITA MANHO COVER EACH	50.01 ST S ARY OLE RS H	SPV.0060.02 ADJUST WATER VALVE BOX EACH 1	INSULAT BOAR POLYSTYI 2-INC SY 7 72 7	ION D EENE H



ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON	CURVE DATA ABBREVIA	TION
NATIONAL GEODETIC SURVEY	NGS	LONG CHORD	LCH
NUMBER	NO	LONG CHORD BEARING	LCB
OUTLOT	OL	RADIUS	R
PAGE	P	DEGREE OF CURVE	Ð

POINT OF TANGENCY

PERMANENT LIMITED

POINT OF BEGINNING

POINT OF CURVATURE

EASEMENT

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUKESHA COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES, GRID DISTANCES MAY BE USED AS GROUND DISTANCES,

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾." X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

DIMENSIONING FOR THE NEW MEASURED RIGHT-OF-WAY IS ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

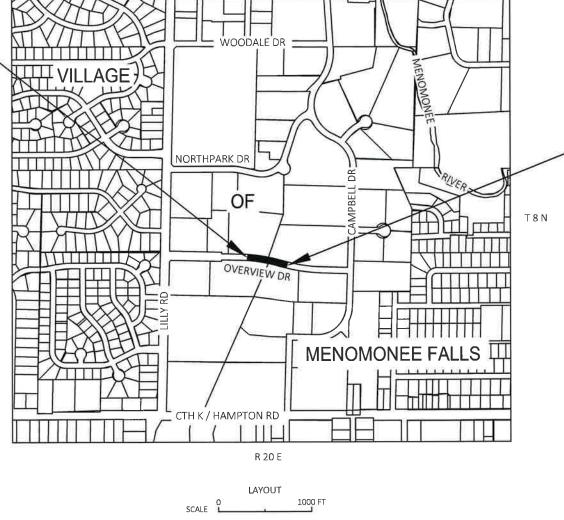
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE VILLAGE OF MENOMONEE FALLS.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL PAGES.



R/W PROJECT NUMBER

CONSTRUCTION PROJECT NUMBER

2720-05-01

END RELOCATION

Y = 196749.494 X = 723497.994

1628,247 FEET NORTH AND 1342.271 FEET EAST OF THE SOUTHWEST CORNER OF SECTION 36, T8N, R20E

NUMBER SHEETS 2720-05-01 FEDERAL PROJECT NUMBER 4.01 2 2720-05-01 PLAT OF RIGHT OF WAY REQUIRED FOR V MENOMONEE FALLS OVERVIEW DR

SHEET

TOTAL

BRIDGE OVER BUTLER DITCH, P-67-0774 OVERVIEW DRIVE WAUKESHA COUNTY

> Original Plat Prepared by NISCONS, JASON L. CANCE S-2688 CHIPPEWA FALLS AND SURVE 12-20-2023 ACCEPTED FOR

REVISION DATE

STA 12+00.00

PT

PLE

POB

PC

CENTRAL ANGLE

TANGENT

LENGTH OF CURVE

DIRECTION AHEAD

DIRECTION BACK

△/DELTA

DB

TOTAL NET LENGTH OF CENTERLINE = 0.076 MILES

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOLINDARIES AND ACCESS RIGHTS.

20 - 552

103 - 555

S 01° 16' 51" W

S 00° 44' 23" W

552 - 100 S 88° 43' 09" F

100 - 101 N 30° 48' 20" E

555 - 104 S 00° 44' 23" W

105 - 106 N 78° 25' 03" W

106 - 107 N 41° 20' 12" E

915.69'

1066 16'

89.29'

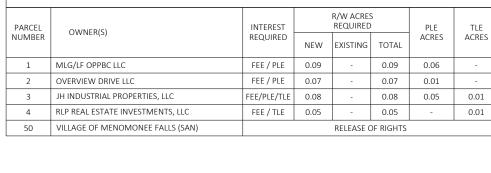
33.52'

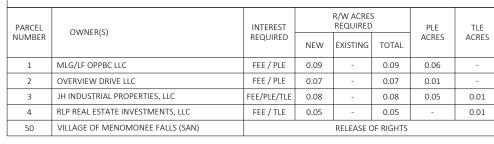
110.83'

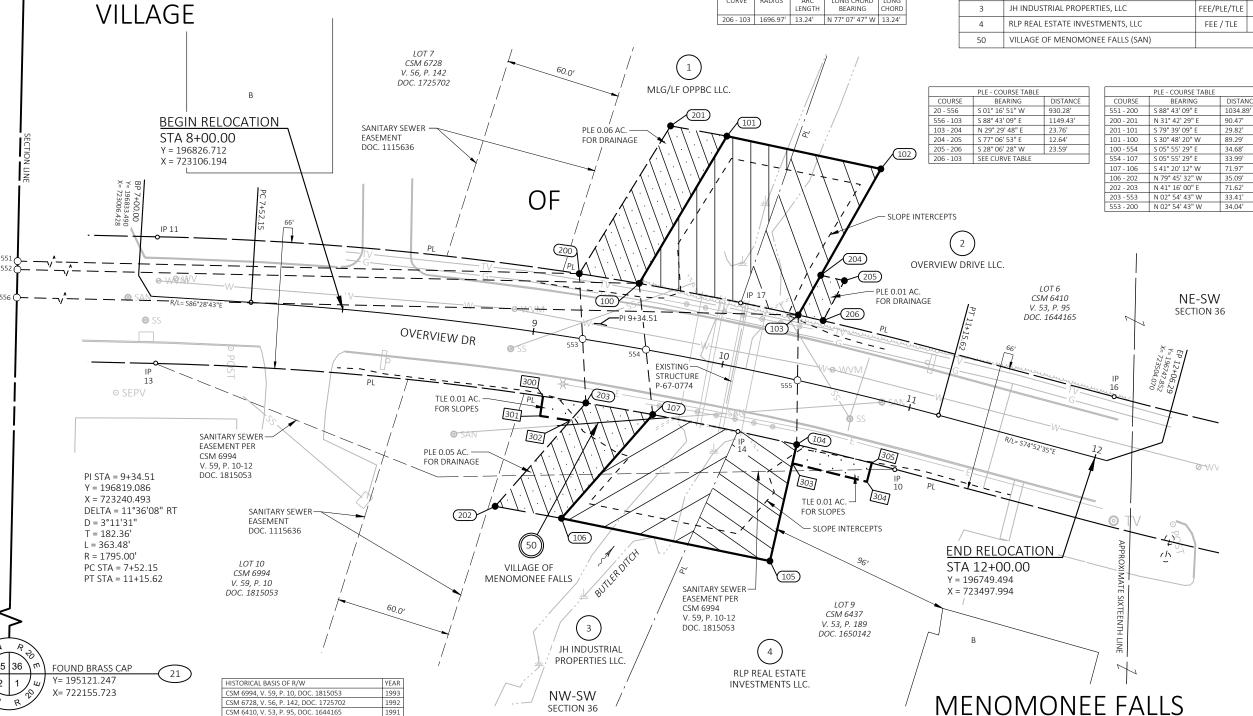
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL	OWNER(S)	INTEREST		R/W ACRES	PLE	TLE		
NUMBER	OWNEN(3)	REQUIRED	NEW	EXISTING	TOTAL	ACRES	ACRES	
1	MLG/LF OPPBC LLC	FEE / PLE	0.09	-	0.09	0.06	-	
2	OVERVIEW DRIVE LLC	FEE / PLE	0.07	-	0.07	0.01	-	
3	JH INDUSTRIAL PROPERTIES, LLC	FEE/PLE/TLE	0.08	-	0.08	0.05	0.01	
4	RLP REAL ESTATE INVESTMENTS, LLC	FEE / TLE	0.05	-	0.05	-	0.01	
50	VILLAGE OF MENOMONEE FALLS (SAN)			RELEASE C	F RIGHTS			







1" IRON PIPE

196864.287 723009.758 3/4" REBAR

16 196781.158 723508.016 1" IRON PIPE

196829.962 723313.466 CHISLED "X

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND MONUMENTS INFORMATION SHOWN REPRESENTS TYPE AND

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE VILLAGE OF MENOMONEE FALLS.

CURVE TABLE

ARC LONG CHORD LONG LENGTH BEARING CHORD

VALIDITY AND USE AS A PROPERTY CORNER.

12/20/2023 11:32 AM

NICOLE STEINMETZ

I OCATION OF FXISTING MONUMENTS WITHOUT OPINION AS TO THEIR

POINT	STATION	OFFSET
553	9+25.94	0.00'
554	9+59.42	0.00'
555	10+39.92	0.00'
100	9+50.00	33.35' LT
101	9+80.00	117.00' LT
102	10+57.00	117.00' LT
103	10+33.00	33.27' LT
104	10+47.00	32.78' RT
105	10+47.00	95.00' RT
106	9+30.00	94.00' RT
107	9+69.00	32.64' RT

R/W STATION & OFFSET TABLE

PLE	T TABLE	
POINT	STATION	OFFSET
200	9+19.00	33.31' LT
201	9+52.00	117.00' LT
202	8+93.00	93.00' RT
203	9+33.00	32.67' RT
204	10+39.74	56.00' LT
205	10+52.00	56.00' LT
206	10+46.00	33.23' LT
	POINT 200 201 202 203 204 205	200 9+19.00 201 9+52.00 202 8+93.00 203 9+33.00 204 10+39.74 205 10+52.00

TLE	T TABLE	
POINT	STATION	OFFSET
300	9+10.00	32.71' RT
301	9+10.00	43.00' RT
302	9+26.41	42.96' RT
303	10+47.00	42.78' RT
304	10+88.00	43.00' RT
305	10+88.00	32.96' RT

PLAT SHEET 4.02

PS&E SHEET

REVISION DATE SCALE, FEET DATE XX/XX/XX HWY: OVERVIEW DRIVE R/W PROJECT NUMBER 2720-05-01 GRID FACTOR COUNTY: WAUKESHA CONSTRUCTION PROJECT NUMBER 2720-05-01

SECTION LINE - COURSE TABLE

552 - 556

CSM 6437, V. 53, P. 189, DOC, 1650142

FOUND BRASS CAP

Y= 197779.445

X= 722215.159

FILE NAME :

040101-RP.DWG

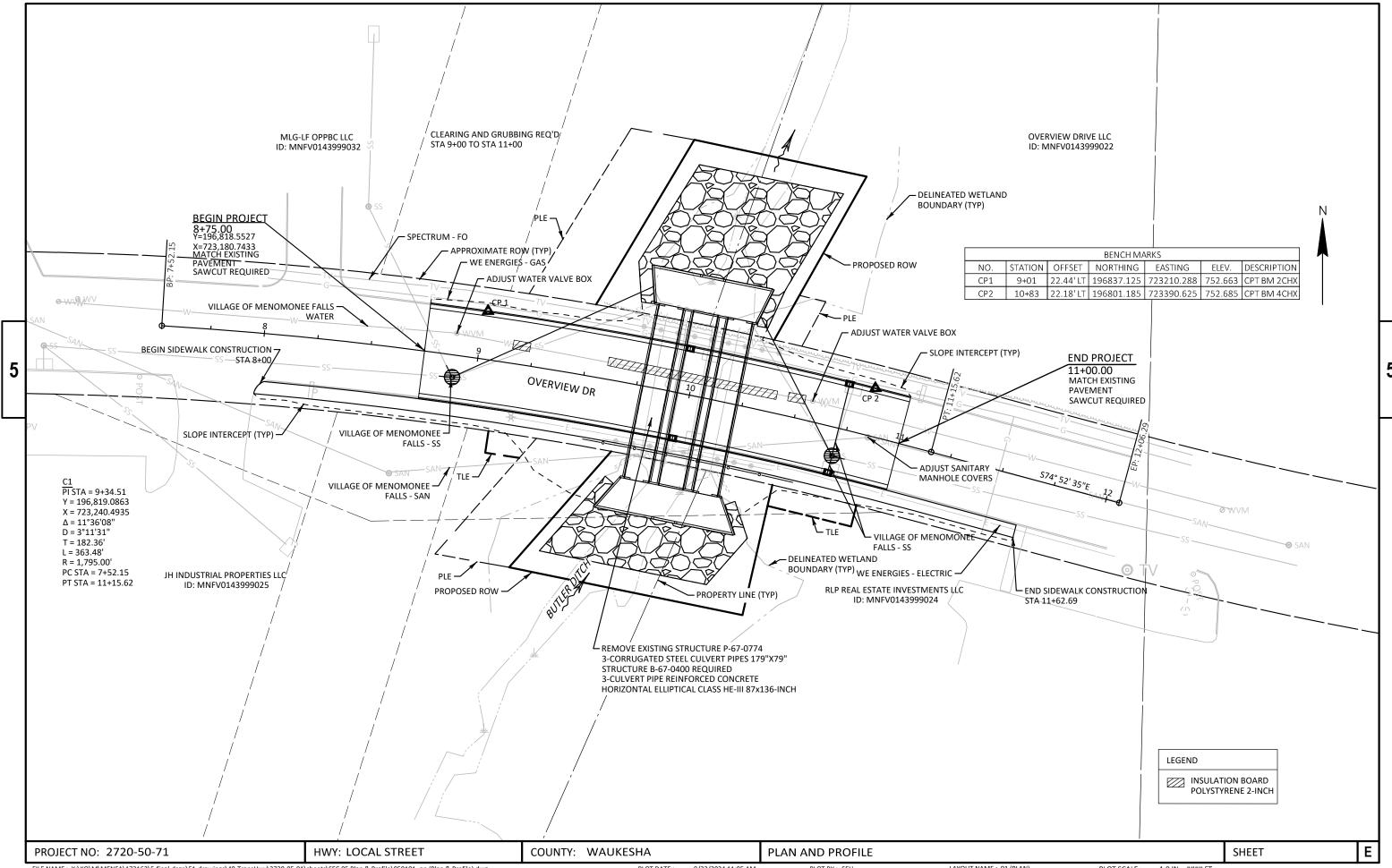
S 01° 16' 51" W 4.38'

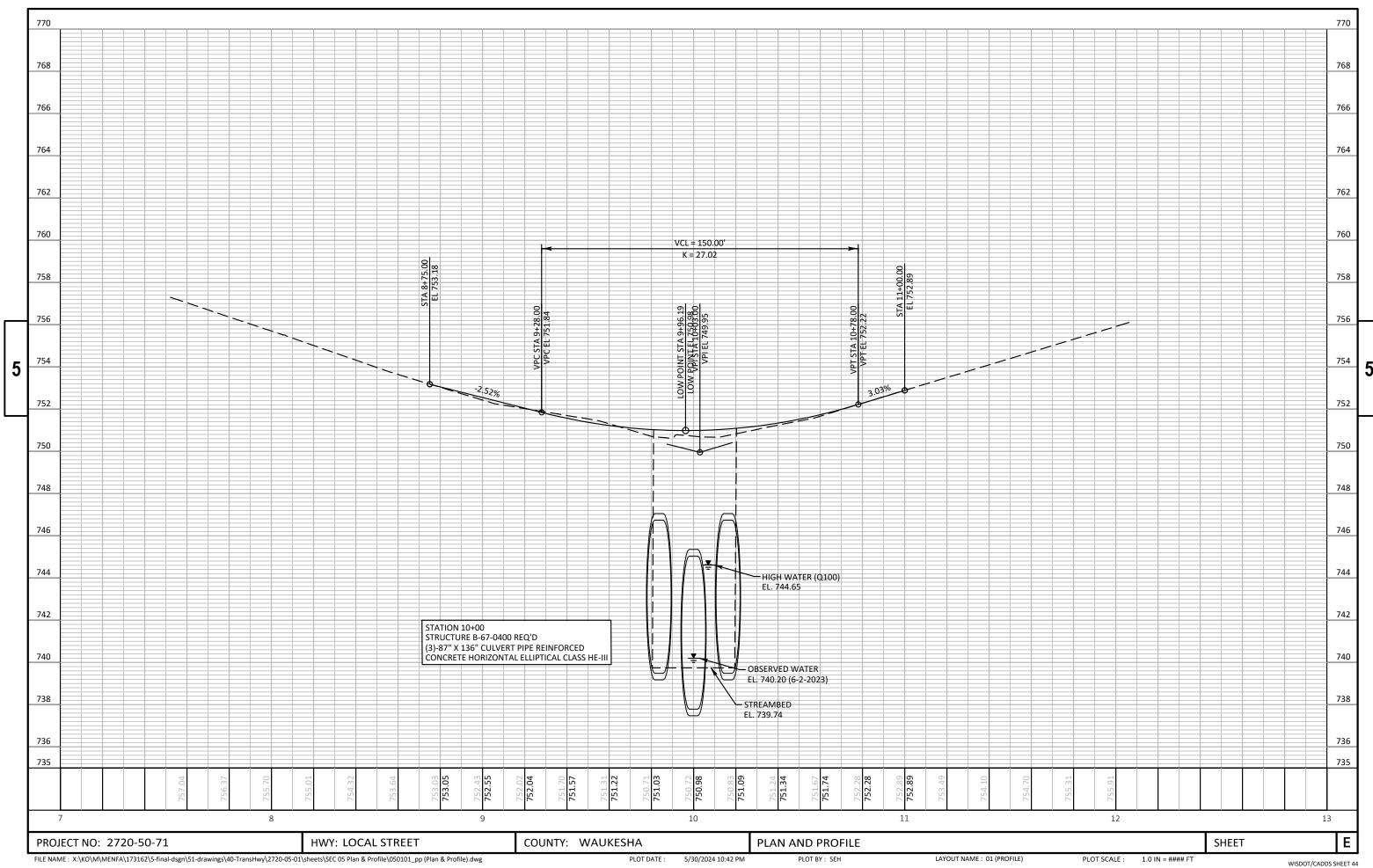
S 01° 16' 51" W 14.59'

S 01° 16' 51" W 2658.86

DISTANCE

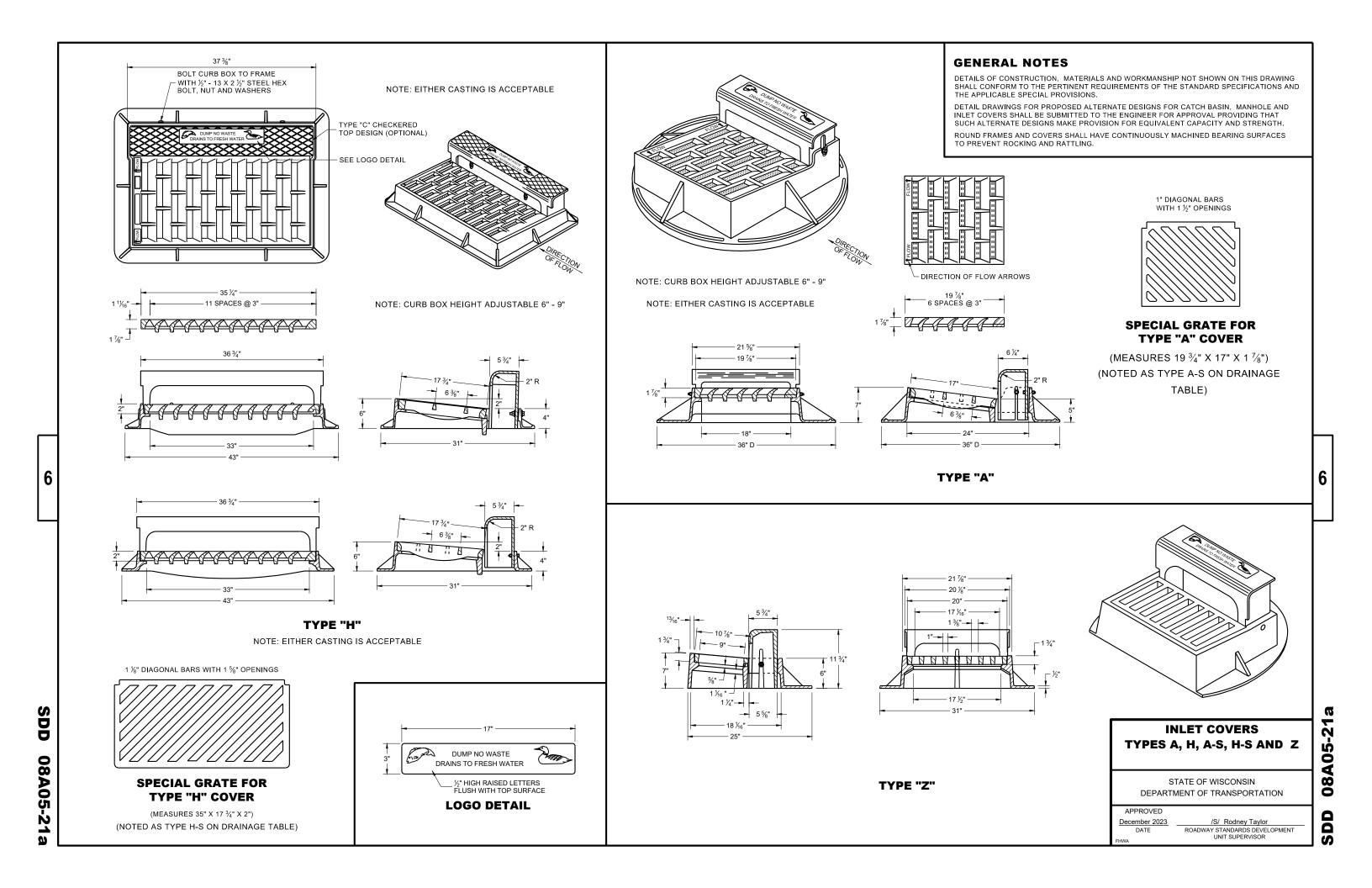
WISDOT/CADDS SHEET 75





Standard Detail Drawing List

08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
12A03-10	NAME PLATE (STRUCTURES)
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

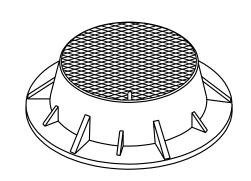


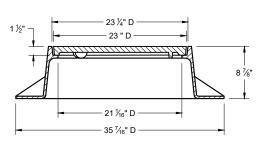
GENERAL NOTES

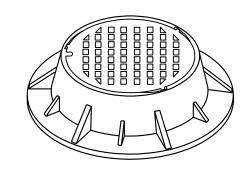
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

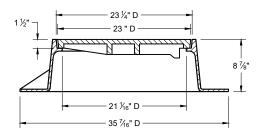
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

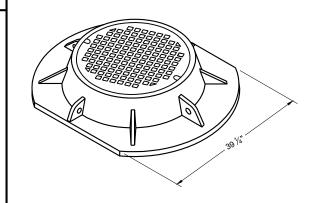
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

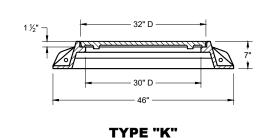


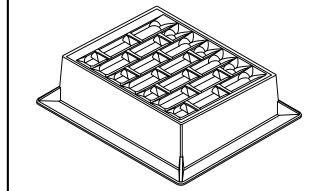


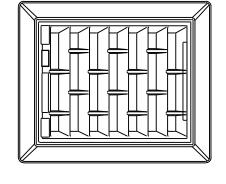


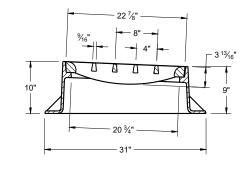


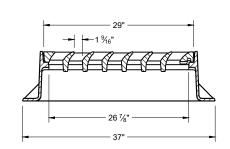




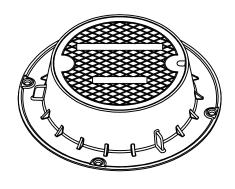


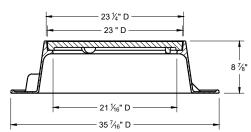






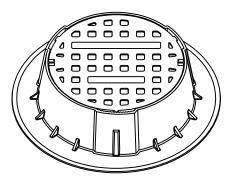
INLET COVER TYPE "BW"

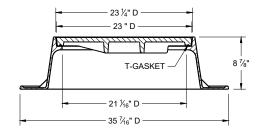




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

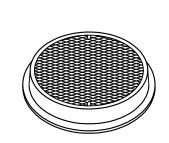


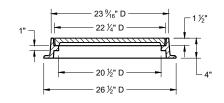


TYPE "J" SPECIAL

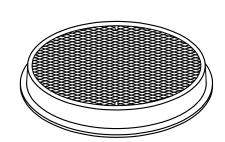
TYPE "B" NON-ROCKING SELF-SEAL LID (NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

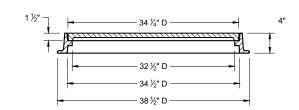
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

December 2023

/S/ Rodney Taylor

ROADWAY STANDARDS DEVELOPMENT

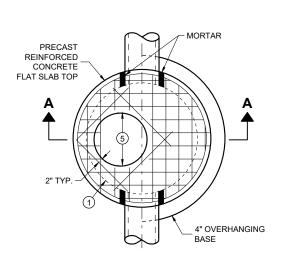
UNIT SUPERVISOR

SDD 08A05-21

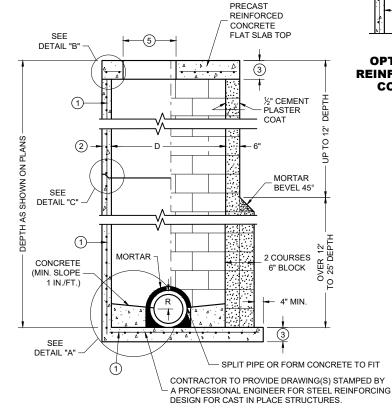
6

Ñ A05-08

SD



PLAN VIEW CIRCULAR OPENING



SECTION A - A

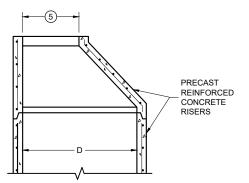
PRECAST REINFORCED **CONCRETE WITH MONOLITHIC BASE**

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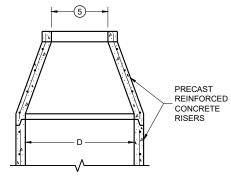
80

B09-

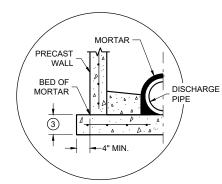
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE ①



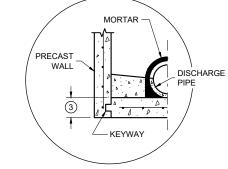
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



MANHOLE COVER OPENING MATRIX

PIPE MATRIX

SEPARATION (IN)

36/42 *

★A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.

SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL

MINIMUM

PRECAST

FLAT SLAB TOP

AND BASE

THICKNESS

8

10

WALL

THICKNESS

MAXIMUM INSIDE PIPE DIAMETER

FOR TWO PIPES

MANHOLE COVER

OPENING

MANHOLE

SIZE

(DIA.)

3-FT

7-FT

SIZE (FT.) (5)

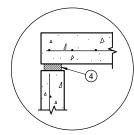
2 DIA

SEPARATION (IN)

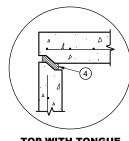
42

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR LINDERGROLIND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT: MINIMUM LENGTH OF 10 INCHES: MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS, AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

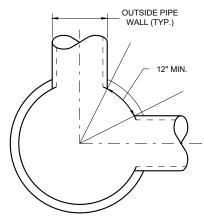
PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

- (1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO
- (2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES
- 3 SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.
- 4 JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.
- (5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION DETAIL "D"

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT **AND 10-FT DIAMETER**

> STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

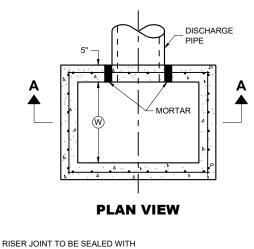
December 2023 ROADWAY STANDARDS DEVELOPMENT DATE UNIT SUPERVISOR

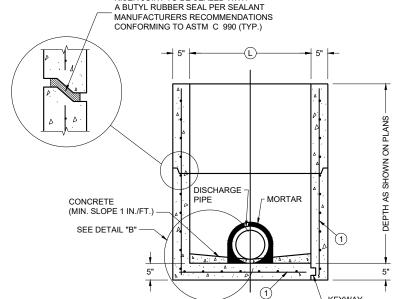
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

B09 Õ

Ö

08C07-03

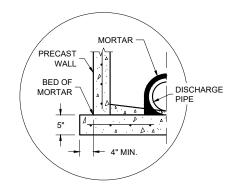




PRECAST REINFORCED
CONCRETE WITH
MONOLITHIC BASE

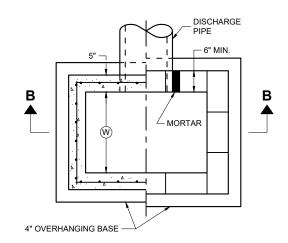
PRECAST REINFORCED
CONCRETE WITH
INTEGRAL BASE

SECTION A - A

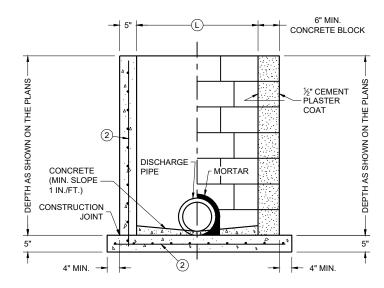


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



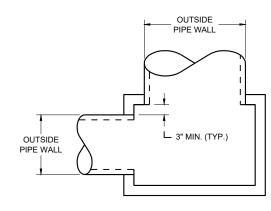
PLAN VIEW



CAST IN PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE 1

SECTION B - B



DETAIL "A"

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

- (1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 043
- (2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET	WIDTH	LENGTH			INLET COVER TYPE							
SIZE W	(W) (FT.)	(FT.)	ALL A'S	ALL B'S	BW	F	ALL H'S	S	Т	٧	WM	V V-B
2 X 2-FT	2	2	Х	Х				Х				
2 X 2.5-FT	2	2.5			х			Х	х	Х	х	
2 X 3-FT	2	3					Х					
2.5 X 3-FT	2.5	3				Х						
2 X 3.5-FT	2	3.5										Х

PIPE MATRIX

	=						
	CATCH BASIN	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES					
	SIZE	WIDTH (IN)	LENGTH (IN)				
	2 X 2-FT	12	12				
	2 X 2.5-FT	12	18				
	2 X 3-FT	12	24				
	2.5 X 3-FT	18	24				
	2 X 3.5-FT	12	30				

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

UNIT SUPERVISOR

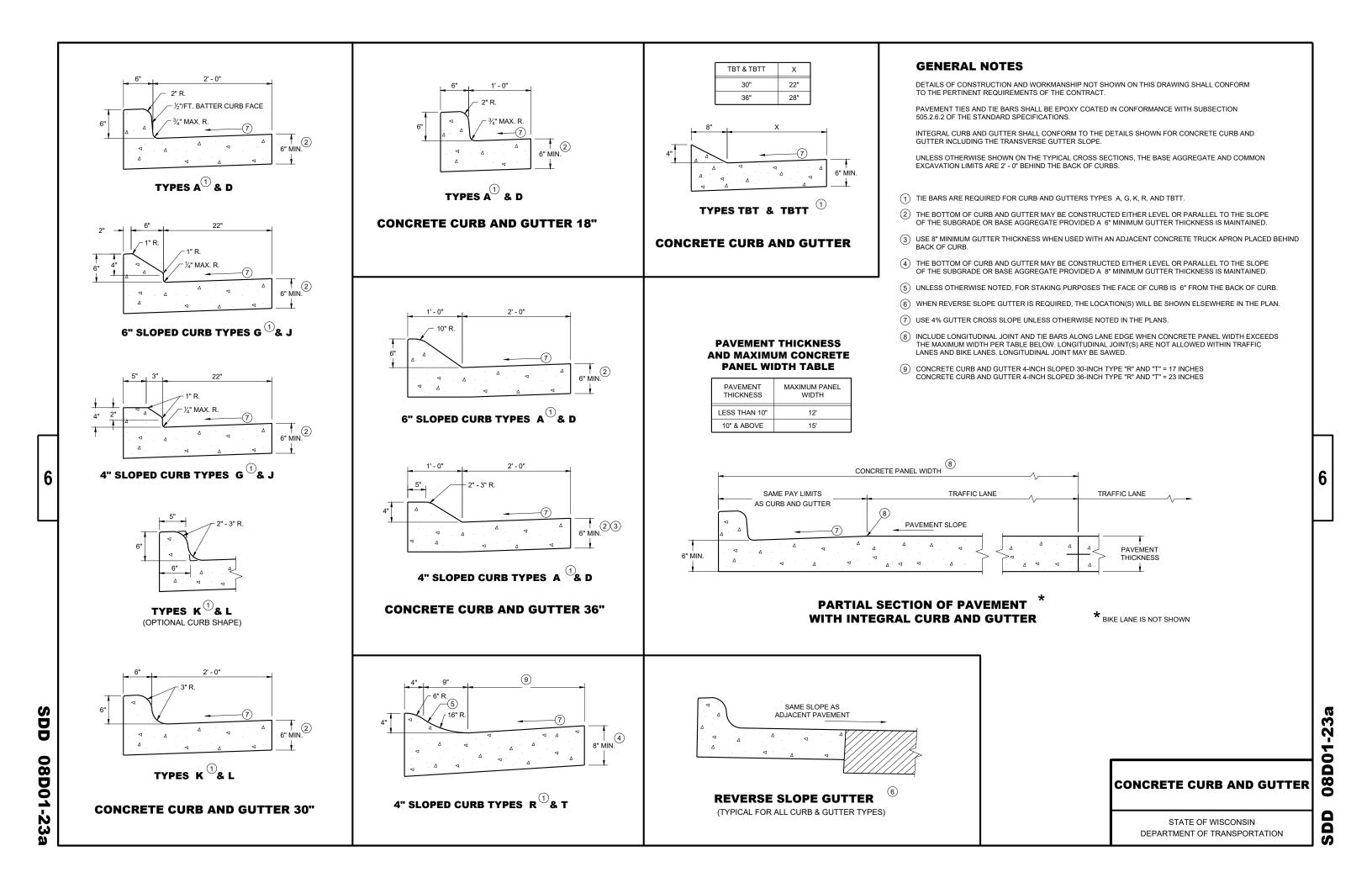
APPROVED

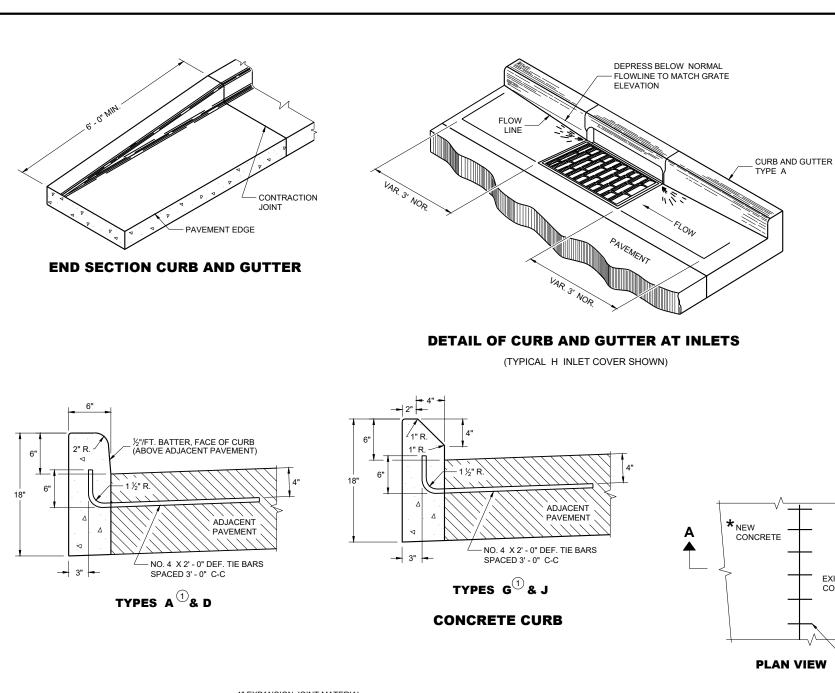
 December 2023
 /S/ Rodney Taylor

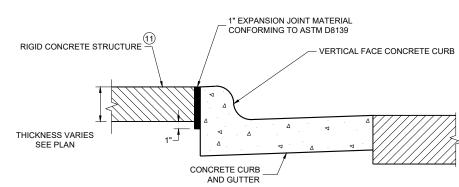
 DATE
 ROADWAY STANDARDS DEVELOPMENT

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DD 08C07-0







EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE 119

CONCRETE **EXISTING** CONCRETE * NEW CURB AND GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE. **PLAN VIEW** NO. 6 TIE BARS SPACED 2' - 6" C-C, INSTALLED PERPENDICULAR TO THE CONCRETE MAXIMUM DRILL HOLE SIZE IS 1/8" GREATER THAN TIE BAR DIAMETER 1/2 THICKNESS OF_ NEW CONCRETE **EXISTING**

TIE BARS DRILLED INTO EXISTING PAVEMENT

SECTION A - A

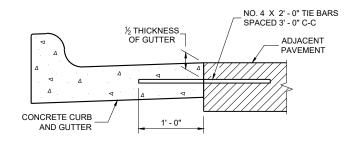
GENERAL NOTES

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

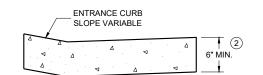
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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.
- 10 REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.
- (1) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.



TYPICAL TIE BAR LOCATION



DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

SDD 08D01-23b

08D01-2

TYPICAL APPLICATION OF SILT FENCE

6

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

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

- \bigcirc 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 11/8" X 11/8" 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.



TRENCH DETAIL



SILT FENCE TIE BACK

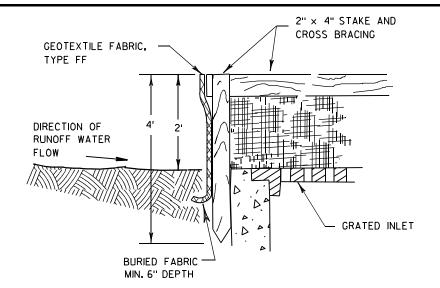
(WHEN REQUIRED BY THE ENGINEER)

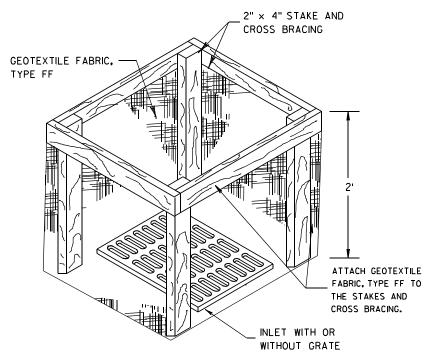


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D.D. 8 E 9-6





INLET PROTECTION, TYPE A

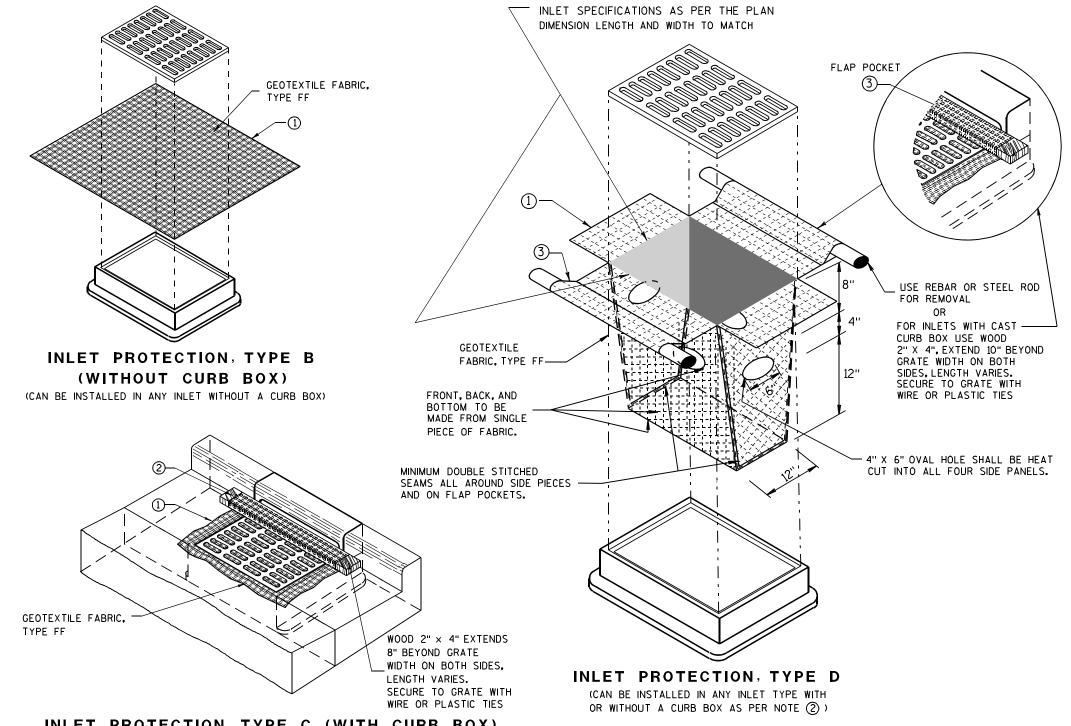
GENERAL NOTES

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.



INLET PROTECTION, TYPE C (WITH CURB BOX)

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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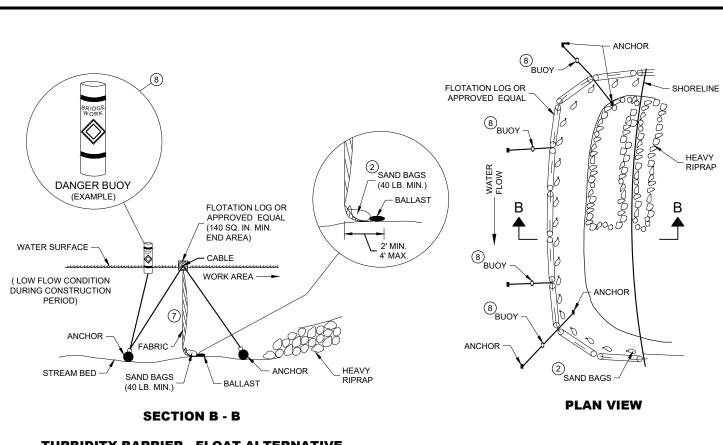
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

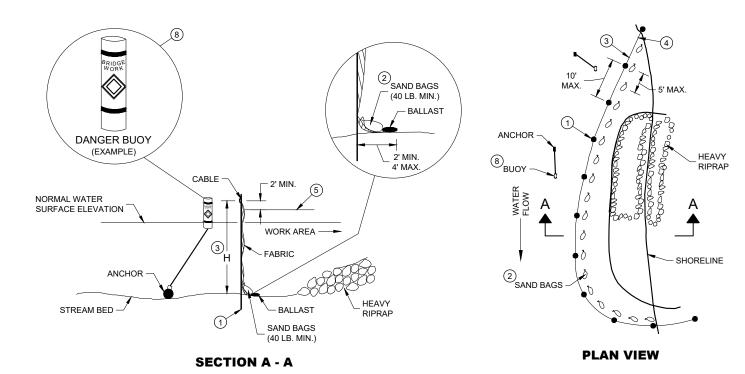
APPROVED

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

10/16/02



TURBIDITY BARRIER - FLOAT ALTERNATIVE CAUTION - SEE NOTE 6



TURBIDITY BARRIER - STANDARD POST INSTALLATION

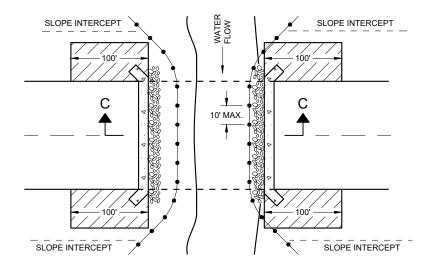
TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

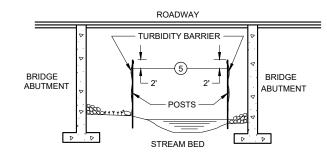
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH
- (2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- (3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
- (4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON
- (5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- (6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.
- (7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- (8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

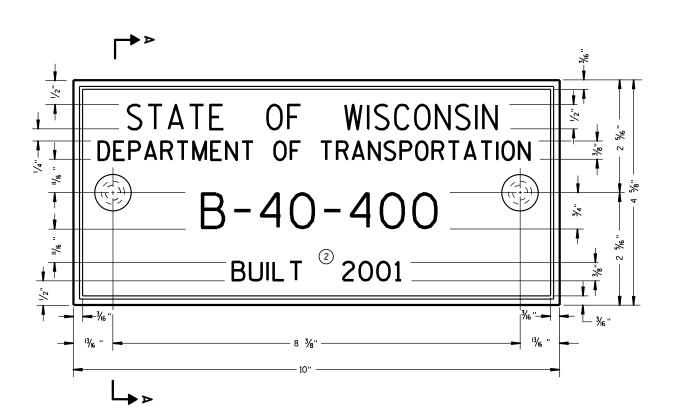
TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION ∞

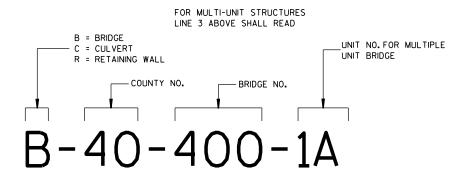
APPROVED /S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT
ENGINEER 6/4/02 DATE





TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



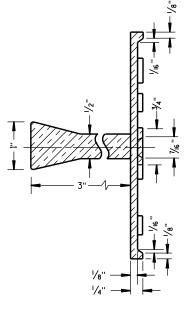
NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

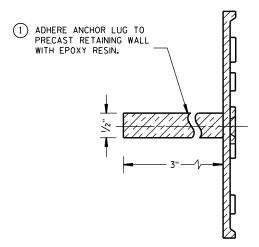
- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

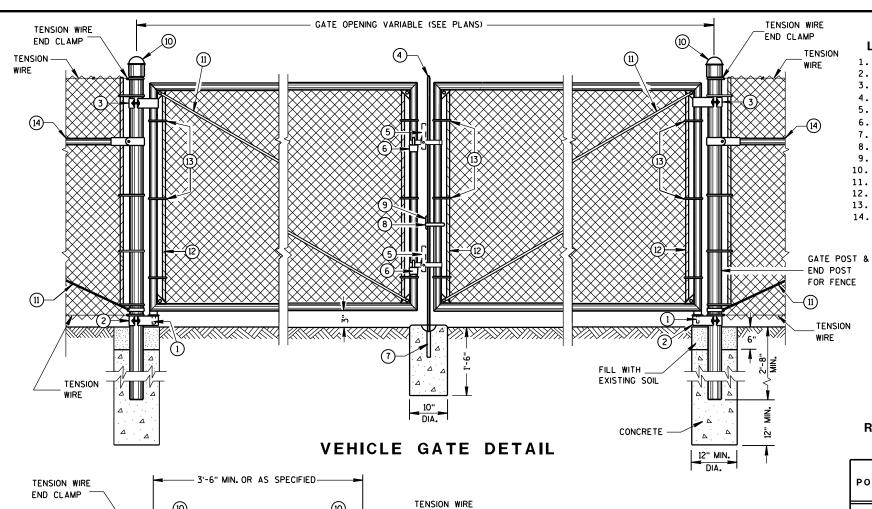
APPROVED

3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

.D.D. 12 A

3-10



END CLAMP

EXISTING SOIL

PEDESTRIAN GATE DETAIL

CONCRETE

12" MIN.

CONCRETE

12" MIN.

TENSION

GATE POST &

END POST

FOR FENCE

TENSION -

GATE POST &

TENSION

END POST

FOR FENCE

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REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL	LESS THAN OR EQUAL TO 6 FT.	SP3
POSTS **	GREATER THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EOUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
LINE POSTS	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE	TYPE
BRACE RAIL	SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

- LEGEND

 1. STRAIGHT PLUG
- 2. BOTTOM HINGE
- 3. TOP HINGE
- 4. PLUNGER ROD
- 5. FULCRUM LATCH
- 6. FORK CATCH *
- 7. PLUNGER ROD CATCH
- 8. LOCK KEEPER GUIDE
- 9. LOCK KEEPER
- 10. DOME TOPS
- 11. TRUSS RODS 12. TENSION BAR
 - . TENSION DAK
- 13. TENSION BANDS 14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

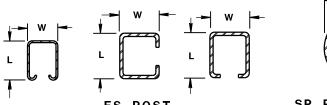
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.





SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W)	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT		
SP1	1.660	0.140	2.270		
SP2	1.900	0.145	2.720		
SP3	2.375	0.154	3.650		
SP4	2.875	0.203	5.800		
SP5	4.000	0.226	9.120		
SP6	6.625	0.280 18.99			
SP7	8.625	0.322	28.580		

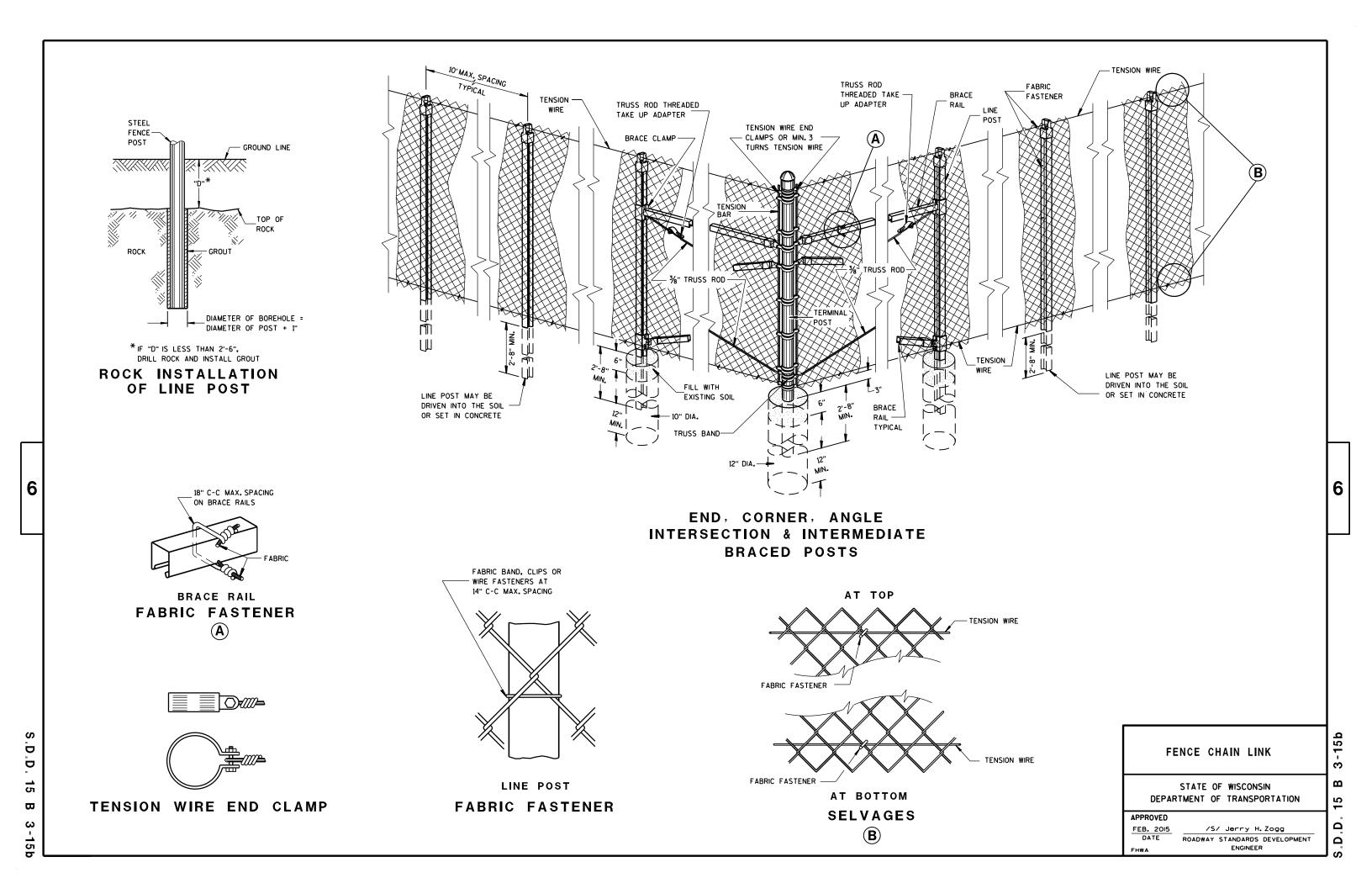
REQUIRED POST SIZE FOR GATES

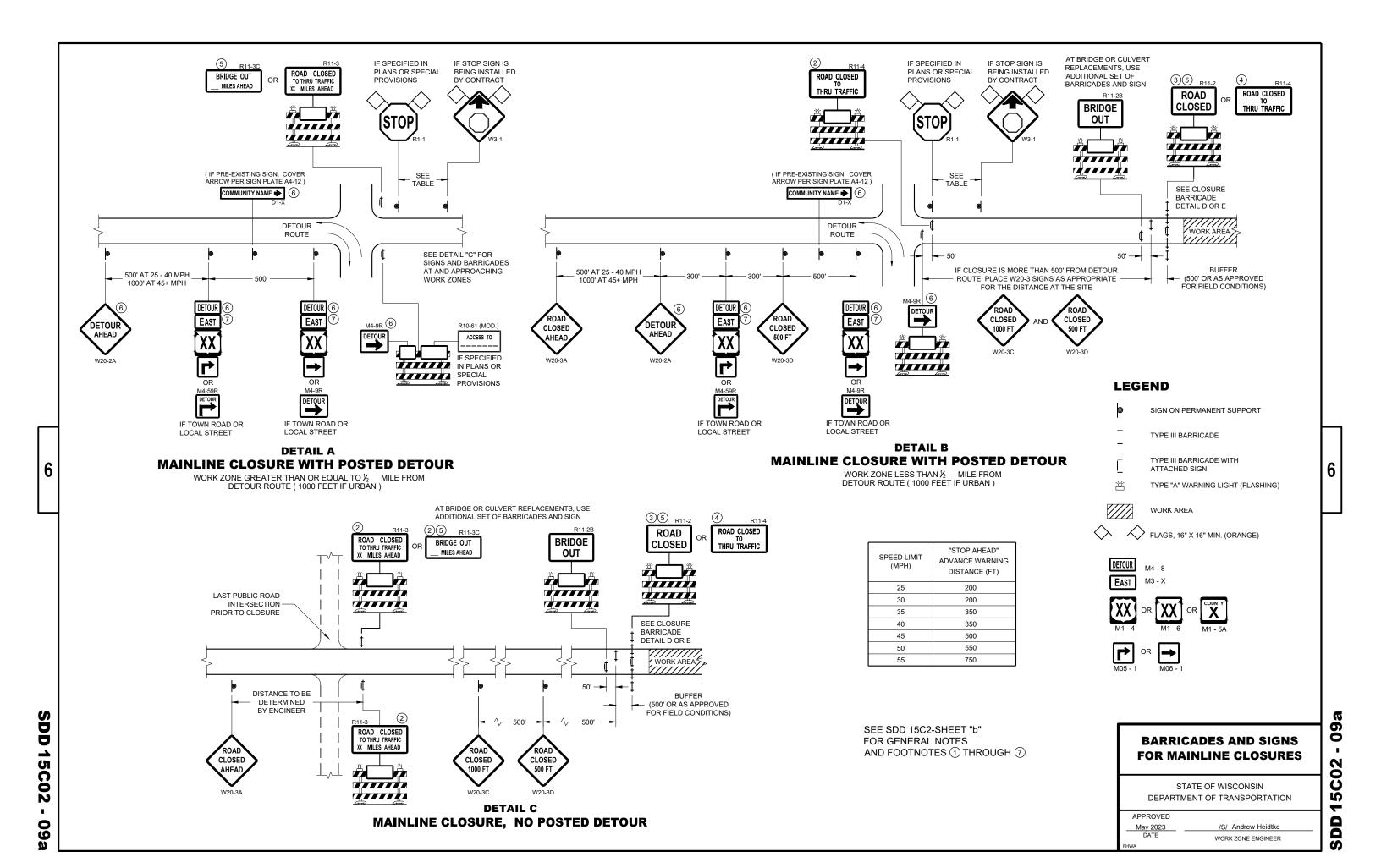
USE	LEAF WIDTHS FEET	POST TYPE
	LESS THAN OR EQUAL TO 6 FT.	SP4
GATES	LESS THAN OR EOUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EOUAL TO 23 FT.	SP7

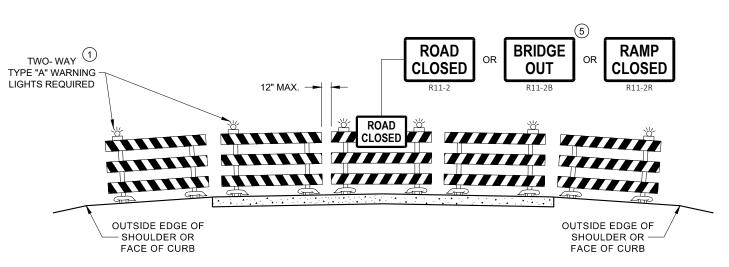
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

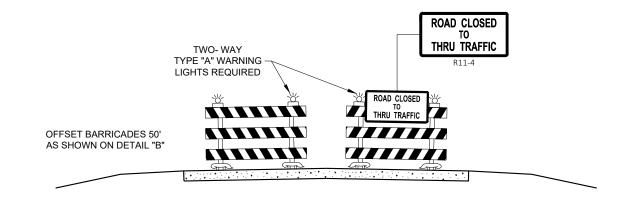
D.D. 15 B 3-15a







DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL **APPROACH VIEW**

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2. R11 - 3. M4 - 9. R11 - 4. AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE 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)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" 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"

- TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT **SPACING**
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (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 ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR **VARIOUS CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

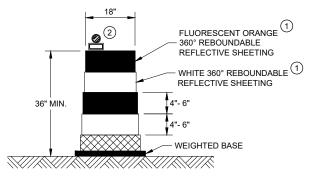
WORK ZONE ENGINEER

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SDD 15C11

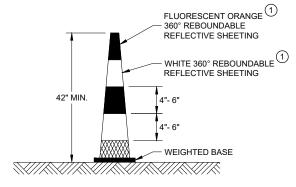
GENERAL NOTES

- (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.



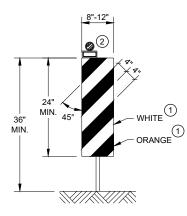
DRUM

BALLAST WIDTHS RANGE FROM 24"-36"



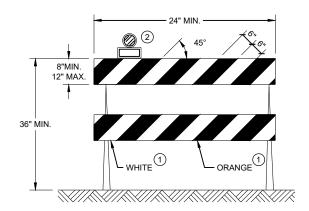
42" CONE

DO NOT USE IN TAPERS ½ SPACING OF DRUMS BALLAST WIDTHS RANGE FROM 14"-20"



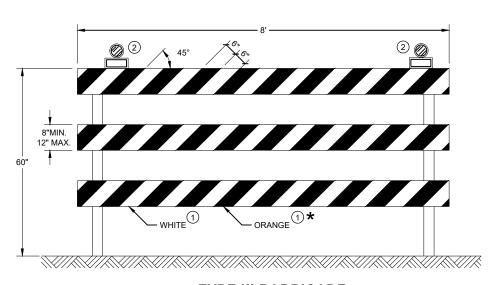
VERTICAL PANEL

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.

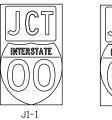
* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

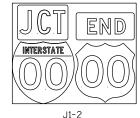
CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

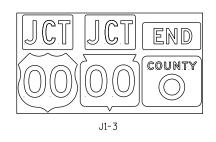
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 50

APPROVED	
November 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

TYPICAL ASSEMBLIES









MISTIC

ROAD

JR99-1

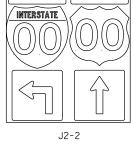


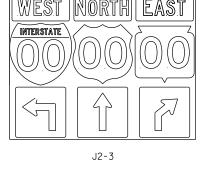
(Typical Vertical J-Assembly See Note 10 and 11)

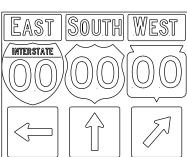




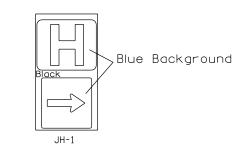
INTERSTATE



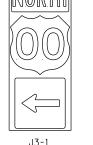




J3-3





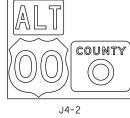




J4-1

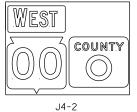
COUNTY

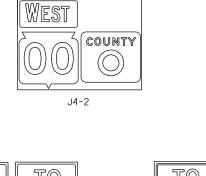
J13-1

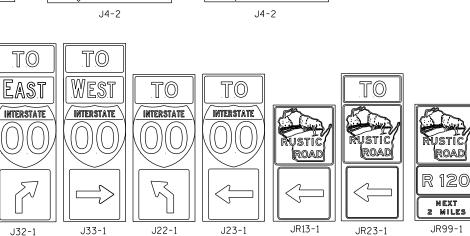


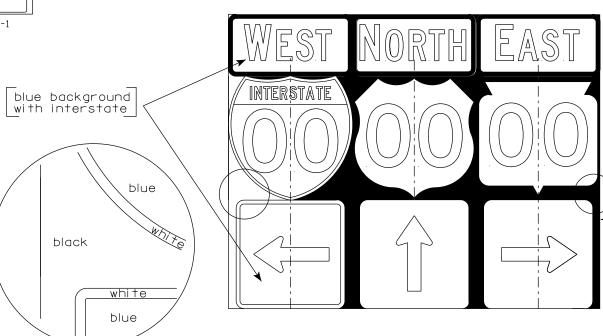
J3-2











NOTES

1. Signs are Type II - Type H Reflective

2. Color:

Background - Black Non-reflective Message - see Note 4

- 3. Message Series See Note 4
- 4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. All Vertical J Assemblies are given a Sign Code of JV
- 10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
- 11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.

black white black background

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 6/7/23

PLATE NO. <u>A2-1S.10</u> Ε SHFFT NO:

PROJECT NO:

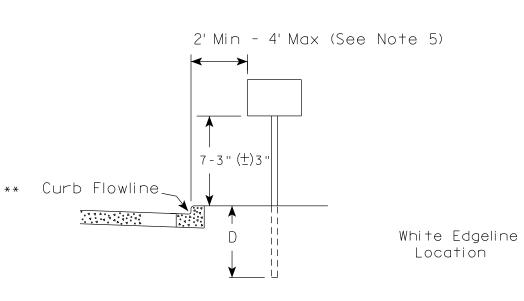
FRONTAGE

ROAD

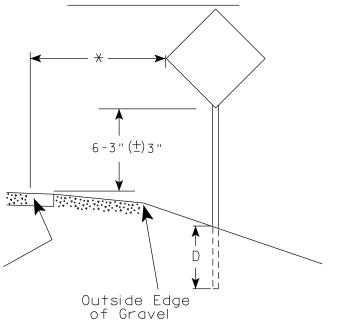
J12-1

PLOT NAME :





RURAL AREA (See Note 2)



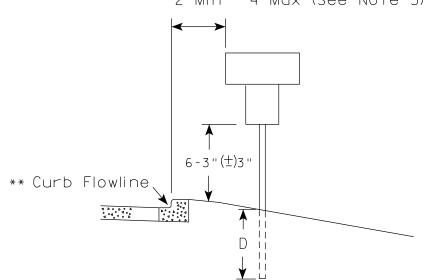
GENERAL NOTES

- 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 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (\pm) 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" (\pm) 3".

- 3. For expressways and freeways, mounting height is 7'- 3" (\pm) 3" or 6'-3" (\pm) 3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is 5' 3'' ($\frac{+}{-}$) 3''.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' (\pm) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
(Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

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.

* 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.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. _A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



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



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

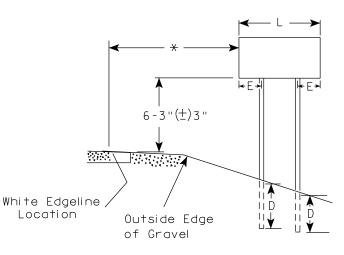
PLOT NAME :

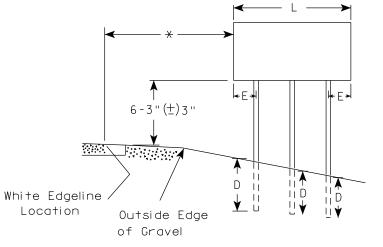
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

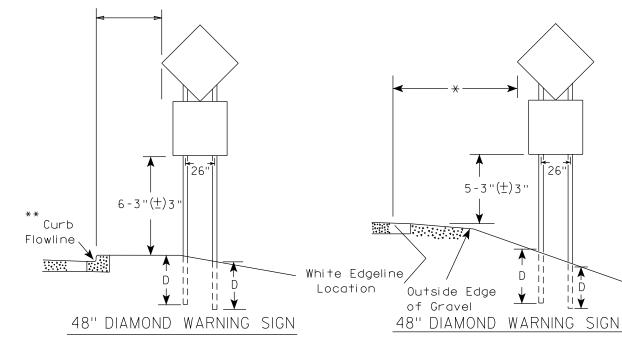
APPROVED

WISDOT/CADDS SHEET 42





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



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

HWY:

SIGN SHAPE OTHER THAN	DIAMOND
(THREE POSTS REQUIR	RED)
L	Е
Greater than 108" to 144"	12''

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" (±) 3" or 6'-3" (±) 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) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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.
- $\times \times \times$ See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

	ı
Area of Sign	
Installation	D
(Sq. Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CHEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr_stdplate\A44.dgn

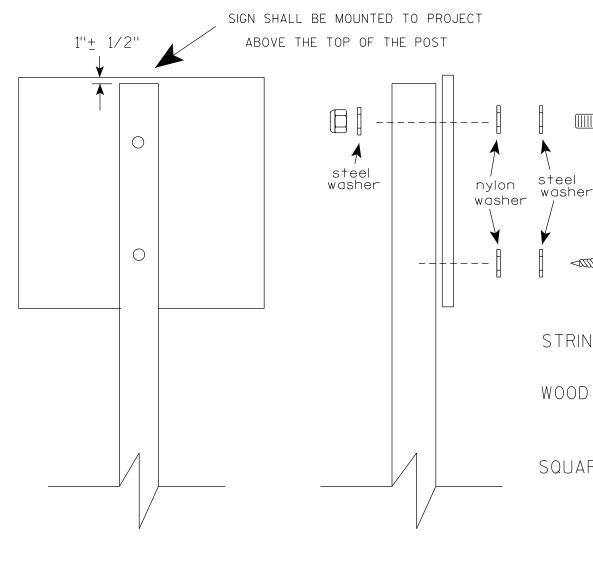
PROJECT NO:

COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h



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 - 1/32 " (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>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



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

CHANNEL

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

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

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

PROJECT NO:

VIEW FROM TOP

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 $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

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

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

Manher R

APPROVED

DATE 4/19/2022 PLATE NO. A5-10.3

SHEET NO:

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

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

SIGN

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

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

Background - Blue Message - White

- 3. Message Series E Modified
- 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.

			F
	G	G	

D9-2

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	18		1 1/2		1/2	12	4 3/4	2 3/8		3																	2.25
25	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 1/8		6																	9.0
4																											
5																											

STANDARD SIGN D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

ForState Traffic Engineer

DATE 1/25/2023 PLATE NO. D9-2.6

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\D92.dgn

PROJECT NO:

PLOT DATE: 25-JAN 2023 1:20

PLOT BY : dotc4c

Ε

1. All Signs Type II - Type H Reflective

NOTES

2. Color:

Background - See note 5 Message - See note 5

- 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. M3-1 thru M3-4 Background - White

Message - Black

MB3-1 thru MB3-4 Background - Blue

Message - White

MK3-1 thru MK3-4 Background - Green

Message - White

MM3-1 thru MM3-4 Background - White

Message - Green

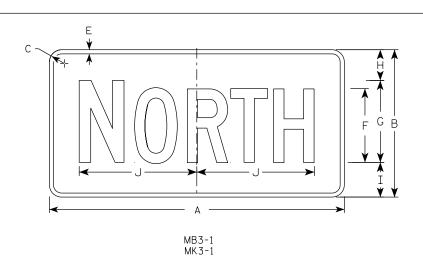
MN3-1 thru MN3-4 Background - Brown

Message - White

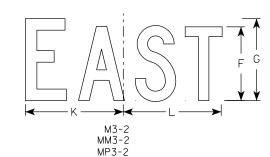
MP3-1 thru MP3-4 Background - White

Message - Blue

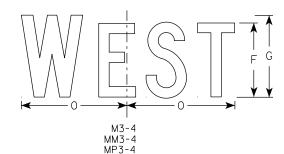
6. Note the first letter of each direction is larger than the remainder of the message.



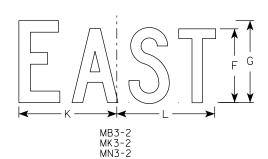
M3-1 MM3-1 MP3-1

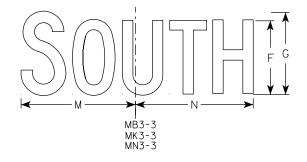


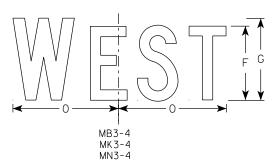
MM3-3



HWY:







SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	w	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	3/8	3/8	6	7	2 1/4 2	3/4 10) 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4 2	3/4 10) 1/4	7 1/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4 4	1/4 14	1 3/8	12	12 1/8	14	14 1/8	13												4.5

COUNTY:

STANDARD SIGNS M3-1 THRU M3-4 SERIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 2/8/2023

PLATE NO. <u>M3-1.1</u>5

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M31.dgn

PROJECT NO:

PLOT DATE: 8-FEB 2023 11:00

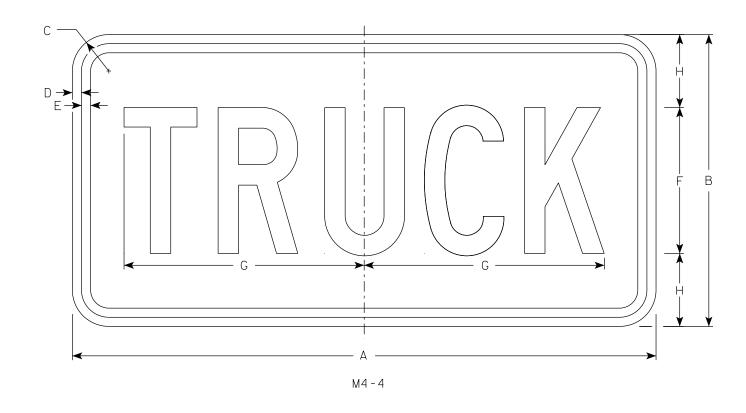
PLOT BY : dotc4c

PLOT NAME :

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

Background – White Message – Black

3. Message Series - C



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																											
2	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
2M	24	12	1 1/2	3/8	3/8	6	9 1/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4	36	18	1 1/2	3/8	1/2	9	15 %	4 1/2																			4.5
5	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																		·	4.5

COUNTY:

STANDARD SIGN M4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe R Rauch

DATE 11/21/2022 PLATE NO. M4-4.4

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M44.dgn

PROJECT NO:

HWY:

PLOT DATE: 28-MARCH 2023 8:44

PLOT BY : dotc4c

PLOT NAME :

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

Background - Orange Message - Black

- 3. Message Series B
- 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.

$\begin{array}{c c} & & & \\ \downarrow & & \downarrow \\ \hline & & & \\ \hline & & & \\ \end{array}$	G	
		3
M4-8	>	<u>, </u>

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	┙	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Υ	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

COUNTY:

STANDARD SIGN M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

DATE 2/9/2023 PLATE NO. M4-8.4

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-FEB 2023 7:38

PLOT BY : dotc4c

PLOT NAME :

2. Color:

Background - Orange Message - Black

- 3. Message Series B
- 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.

C	<u> </u>
	G
	F G
M4-8A	→

SIZE	А	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																											
2	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

COUNTY:

STANDARD SIGN M4-8A

WISCONSIN DEPT OF TRANSPORTATION

for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48A.dgn

PROJECT NO:

PLOT DATE: 9-FEB 2023 8:03

PLOT BY : dotc4c

PLOT NAME :

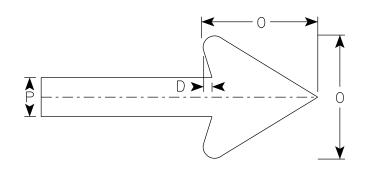
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

HWY:

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

Background - Orange Message - Black

- 3. Message 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. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	Α	В	С	D	E	F	G	Н	Т	J	K	L	М	N	0	Р	Q	R	S	Т	U	l v	w	X	Y	Z	Area sq. ft.
1		_	_											,			-				_						34. 11.
25	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 ⁵ / ₈	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 ⁵ / ₈	11 3/4	7	6	2											5.0
3																											
4																											
5																											

COUNTY:

M4-9BR

STANDARD SIGN M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R La Forstate Traffic Engineer

DATE 2/9/2023

PLATE NO. M4-9B.4

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-FEB 2023 11:55

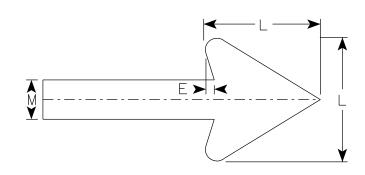
PLOT BY : dotc4c

PLOT NAME :

- 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.
- 4. M4-60L is the same as M4-60R except the arrow is reversed.



Arrow Detail

[]									T _	1 .	I		1 14								I		I	l v	. ,	T =	⊤ ∆reα]
SIZE	А	В	C	D	Ł	F	G	Н	I	J	K	L	M	N	0	Р	Q	R	5	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	7	6	2														5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	7	6	2														5.00
3																											
4																											
5																											

M4-60R

STANDARD SIGN M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Mathew R Rawh

For State Traffic Engineer

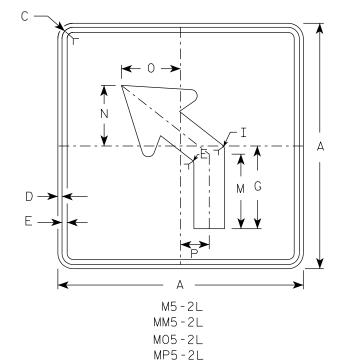
DATE 2/14/2023 PLATE NO. M4-60.2

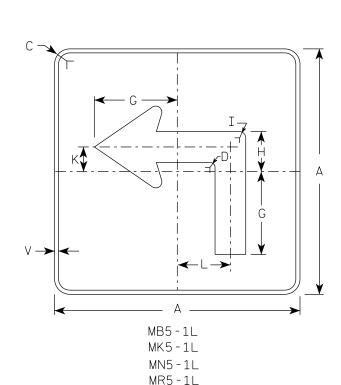
PROJECT NO: HWY: COUNTY: SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\M460.dgn

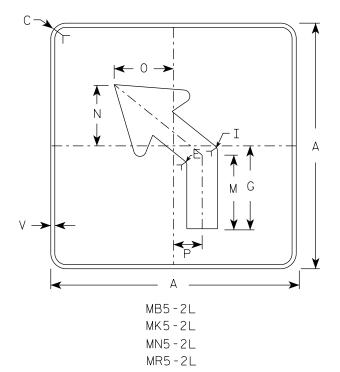
PLOT DATE: 14-FEB 2023 8:12 PLOT BY: dotc4c PLOT NAME: PLOT SCALE: \$\$.....plotscale.....\$\$ wisDot/cadds Sheet 42

M5-1L MM5-1L M05-1L MP5-1L





HWY:



NOTES

- 1. Signs are Type II Type H reflective except as shown

Background - See note 4 Message - See note 4

- 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.
- M5-1 and M5-2 Background White Message – Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

M05-1 and M05-2 Background - Orange - Type F Reflective

Message - Black

MP5-1 and MP5-2 Background - White

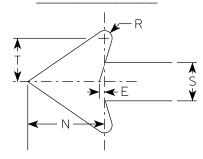
Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



PLOT NAME :

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8	2	1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2	3		1/2					3.06
3	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 1/8	1/2	5/8		10 1/8	4 1/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

COUNTY:

STANDARD SIGN M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate_M51.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 10:05

PLOT BY : dotc4c

- 1. Signs are Type II Type H Reflective except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 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. M6-1 and M6-2 Background White Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

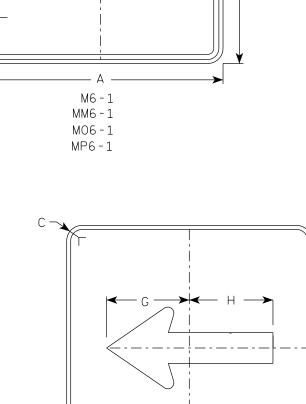
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



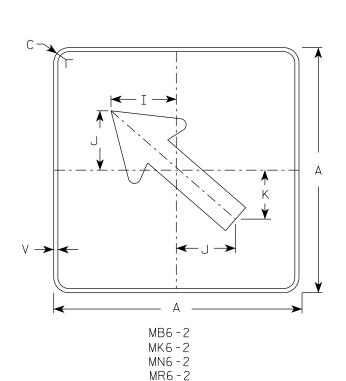
MB6-1

MK6-1

MN6 - 1

MR6-1

HWY:



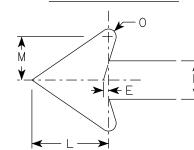
M6-2

MM6 - 2

MO6-2

MP6-2

ARROW DETAIL



SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 %	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 1/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/13/2023 PLATE NO. M6-1.16 SHEET NO:

For State Traffic Engineer

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_M61.dgn

PROJECT NO:

 $\vee \longrightarrow$

PLOT DATE: 13-FEB 2023 1:30

PLOT BY : dotc4c

PLOT NAME :

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

Ε



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

Background - Red Message - White

3. Message Series - C

*								— А — ;											A	
									H			- G -							F	A
		E						 	-1			_//								*
D	E	F	G	н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	w	Х

SIZE	Α	В	С	D	E	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	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. _____R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

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

PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42

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

Background - Red Message - White

- 3. Message Series C
- 4. For 30"x30" R1-1 use 18"x6" R1-3P sign For 36"x36" R1-1 use 24"x9" R1-3P sign For 48"x48" R1-1 use 30"x12" R1-3P sign

c —	
E →	F B C C
	-3P

SIZE	А	В	С	D	E	F	G	H I	J	K	L	М	N	0	Ρ	Q	R	S	Т	٧	W	Х	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4 1 1/4	7/8	6 3/8															0.75
25	18	6	1 1/2		1/2	3		6 1/4 1 1/4	7/8	6 3/8															0.75
2M	24	9	1 1/2		1/2	5		9 1/4 1 1/4	3/4	9 3/4															1.5
3	24	9	1 1/2		1/2	5		9 1/4 1 1/4	3/4	9 3/4															1.5
4	30	12	1 1/2		5/8	6		11 2 1/4	1 1/2	11 3/4															2.5
5	30	12	1 1/2		5/8	6		11 2 1/4	1 1/2	11 3/4															2.5

COUNTY:

STANDARD SIGN R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Ro For State Traffic Engineer

SHEET NO:

DATE <u>1/19/23</u>

PLATE NO. <u>R1-3P.4</u>

Ε

FILE NAME : C::CAEfiles\Projects\tr_stdplate_R13P.dgn

HWY:

PROJECT NO:

PLOT DATE: 19-JAN 2023 1:08

PLOT BY: mscj9h

PLOT NAME :

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

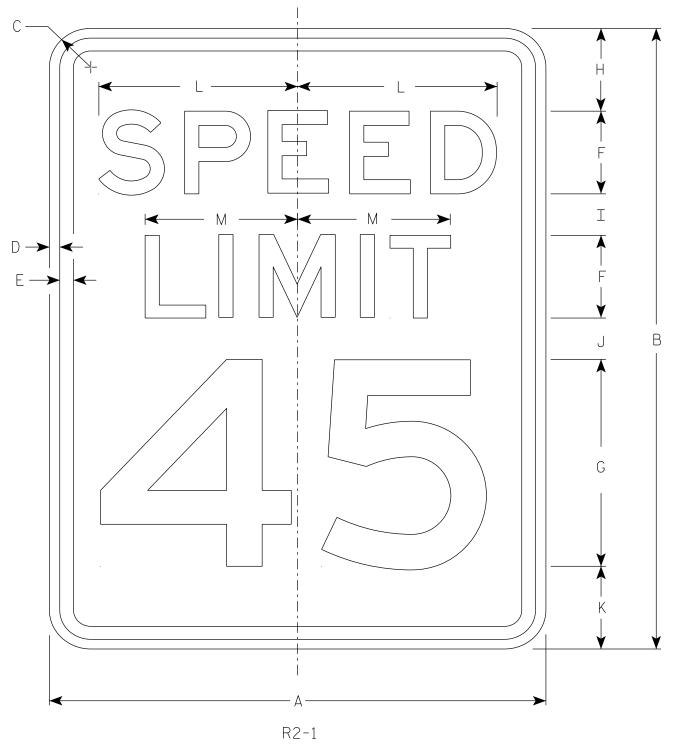
1

7

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

Background - White Message – Black

- 3. Message Series E
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.



SIZE	А	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	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
25	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 1/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 1/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 1/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

COUNTY:

STANDARD SIGN R2-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 2/1/23

For State Traffic Engineer PLATE NO. R2-1.14

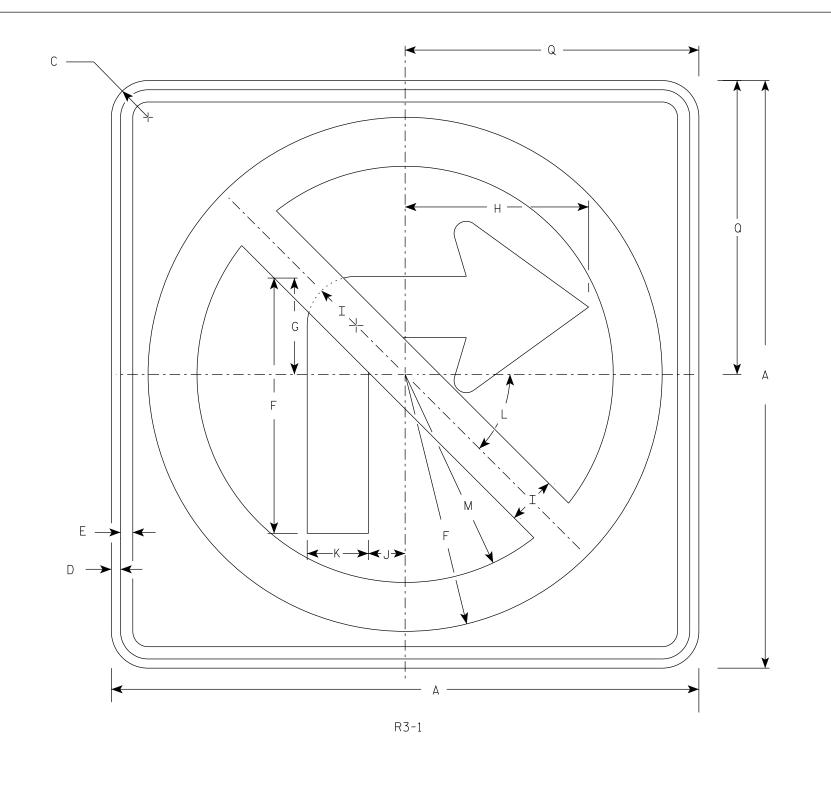
HWY:

PROJECT NO:

PLOT DATE: 9-JULY 2024 1:47

PLOT BY : mscj9h

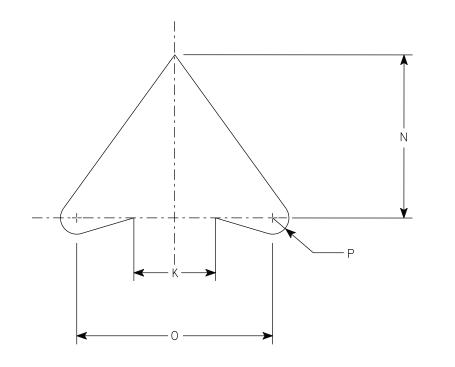
PLOT NAME :



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

Background - White Message - See note 3

3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M N	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2 5	6	1/2	12										4.0
25	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45 °	8 1/2 5	6	1/2	12										4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4 7 1/2	9	3/4	18										9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4 7 1/2	9	3/4	18										9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4 7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17 10	12	1	24										16.0

COUNTY:

STANDARD SIGN R3-1

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

PPROVED

Matthew R Laure

For State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

FILE NAME : C:\CAEfiles\Projects\tr-stdplate\R31.dgn

HWY:

PROJECT NO:

PLOT DATE: 9-JULY 2024 1:51

PLOT BY : mscj9h

PLOT NAME :

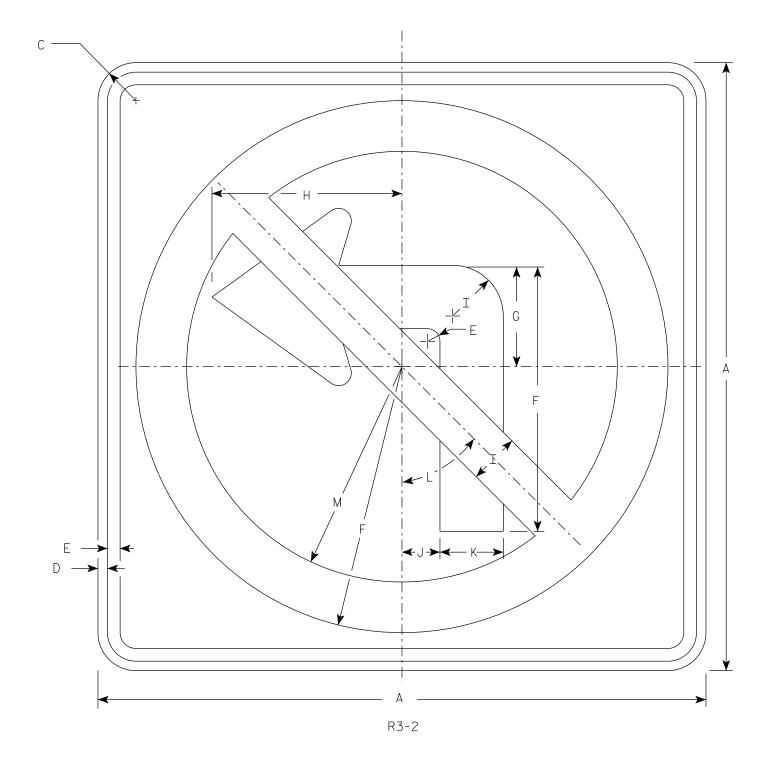


- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White

Message - See note 3

3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



N N N N

ARROW DETAIL

SIZE	Α	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	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
25	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 ¾	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED Matthew & & Forstate Traffic Engineer

DATE <u>2/2/23</u>

PLATE NO. <u>R3-2.11</u>

Ε

FILE NAME : C::CAEfiles\Projects\tr_stdpldate\R32.dgn

PROJECT NO:

HWY:

PLOT DATE: 9-JULY 2024 2:11

PLOT BY: mscj9h

PLOT NAME :

- 1. Sigs are Type II Type H Reflective
- 2. Color:

Background - White Message - Black

- 3. Message Series D
- 4. Use appropriate Letter for Sign Code Each letter added makes sign wider. Example R3-8EAR
- 5. Square footage of sign varies by letters

2 Letters = 7.5 sq ft for Size 2

12.0 sq ft for Size 3

20.0 sq ft for Size 4 or 5

3 Letters = 11.25 sq ft for Size 2

18.0 sq ft for Size 3

30.0 sq ft for Size 4 or 5

4 Letters = 15.0 sq ft for Size 2

24.0 sa ft for Size 3

40.0 sq ft for Size 4 or 5

5 Letters = 18.75 sq ft for Size 2

30.0 sa ft for Size 3

50.0 sq ft for Size 4 or 5

6 Letters = 22.5 sq ft for Size 2

36.0 sq ft for Size 3

60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.

Add the amounts when these letters are used:

1.25 sq ft for Size 2 1.5 sa ft for Size 3

2.0 sq ft for Size 4 or 5

STANDARD SIGN R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther State Traffic Engineer

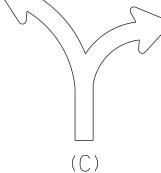
DATE 2/14/23 PLATE NO. R3-8.2

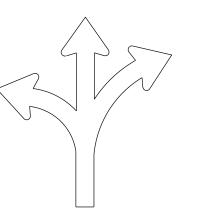
SHEET NO:

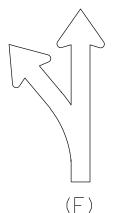




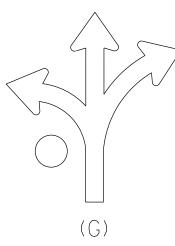


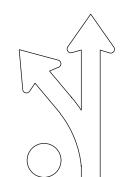








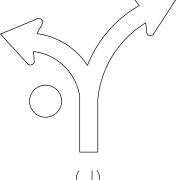




(H)

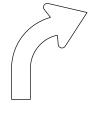
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

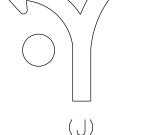












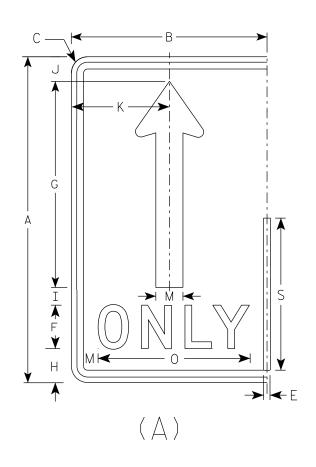
PROJECT NO:

Ε

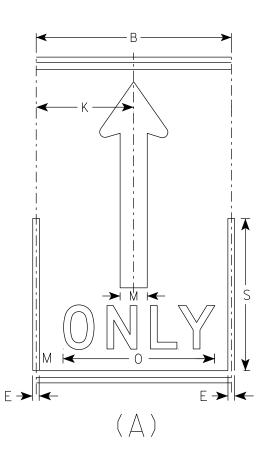
- 1. Sign is Type II Type H Reflective
- 2. Color:

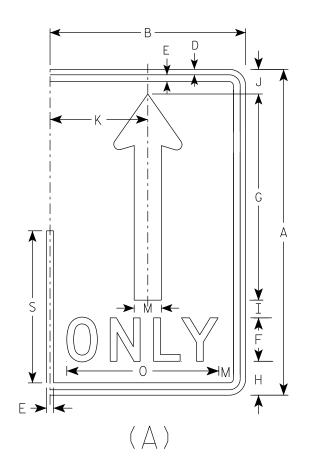
Background - White Message - Black

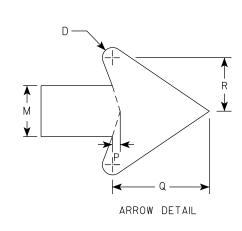
3. Message Series - D



HWY:







SIZE	А	В	С	D	E	F	G	П	I	J	К	L M	Ν	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																										
25	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1	2 1/4	9	2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9	2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 ¾	3 3/4	1 3/4	2 3/4	12	3		17 5/8	1/2	5 3/4	3 1/8	16 ¾								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 1/8	3 %	15	4		21 3/4	5/8	7 %	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 1/8	3 %	15	4		21 3/4	5/8	7 %	4 1/4	22 3/8								10.0

STANDARD SIGN R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

DATE <u>2/14/23</u>

PLATE NO. <u>R3-8.2</u>

Ε

PROJECT NO:

COUNTY:

PLOT DATE: 14-FEB 2023 3:04

PLOT BY : mscj9h

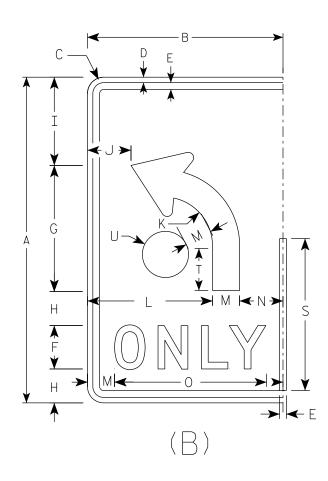
PLOT NAME :

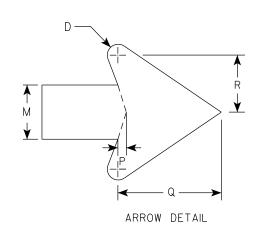
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

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

Background - White Message – Black Message Series - D





SIZ	E A	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1																												
25	3	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2	14	3 1/8	2 1/8						3.75
21	1 3	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2	14	3 1/8	2 1/8						3.75
3	3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	4	48	30	2 1/4	3/4	1	6	18	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

R3-8 (B) Arrow WISCONSIN DEPT OF TRANSPORTATION

STANDARD SIGN

APPROVED Matther f_{or} State Traffic Engineer

DATE <u>2/14/23</u> PLATE NO. <u>R3-8.2</u>

SHEET NO: Ε PLOT BY: mscj9h

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

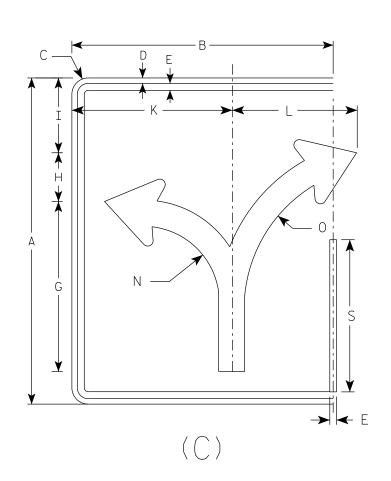
PLOT DATE: 14-FEB 2023 3:19

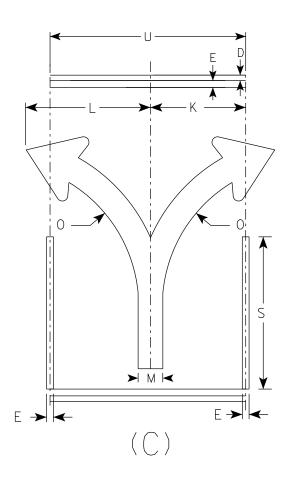
- 1. Sign is Type II Type H Reflective
- 2. Color:

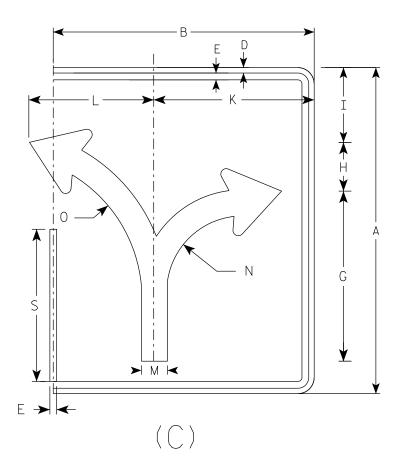
Background - White Message - Black

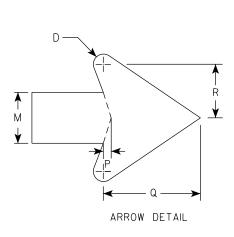
3. Message Series - None

ENDS MIDDLE









1																										I		
SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.	Area sq. ft.
1																												
25	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 1/8	14	4 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 1/8	1.	4 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4	1	.7 1/4	17 1/4	2 1/8	8 3/8	16	1/2	5 1/2	3	16 ¾		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 1/8	7 1/4	11	2	3 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 1/8	7 1/4	11	2	3 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

COUNTY:

STANDARD SIGN R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

 \mathcal{F}_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

HWY:

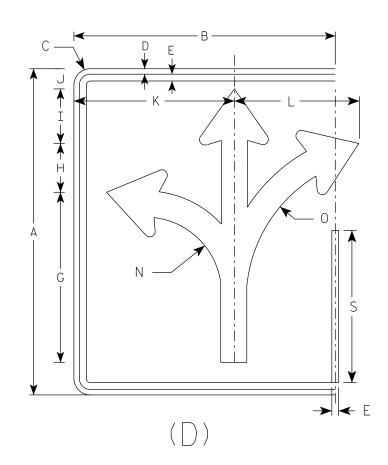
PROJECT NO:

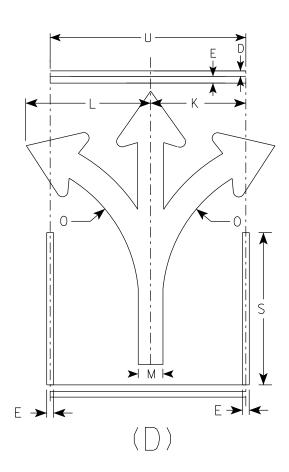
- 1. Sign is Type II Type H Reflective
- 2. Color:

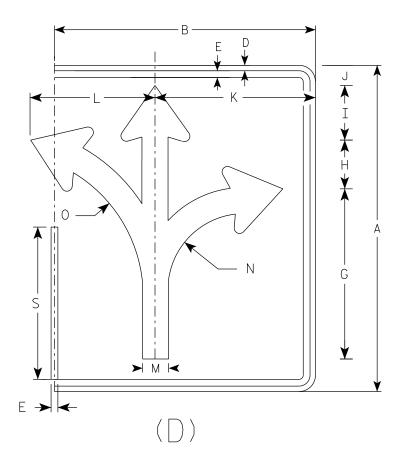
Background - White Message - Black

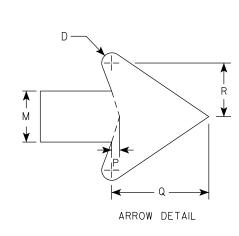
3. Message Series - None

ENDS MIDDLE









SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	Area sq. ft.	Area sq. ft.
1																												
25	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 1/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 %	4 1/2	5	1 1/8	14 ¾	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 1/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 1/8	7 1/4	7 1/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 1/8	7 1/4	7 1/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE <u>2/14/23</u> PLATE NO. R3-8.2 SHEET NO:

Ε

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

HWY:

COUNTY: PLOT DATE: 14-FEB 2023 3:20

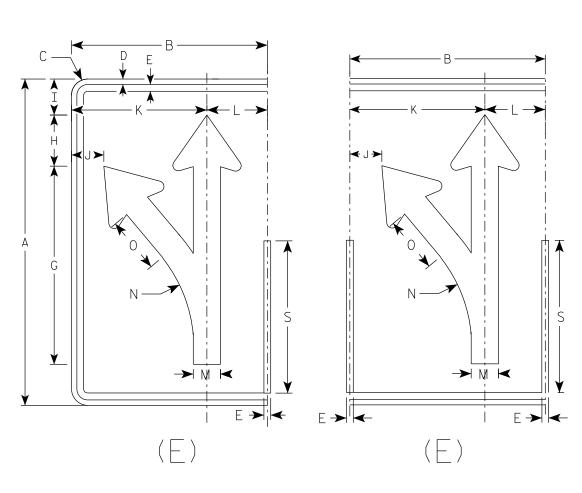
PLOT BY: mscj9h

PLOT NAME :

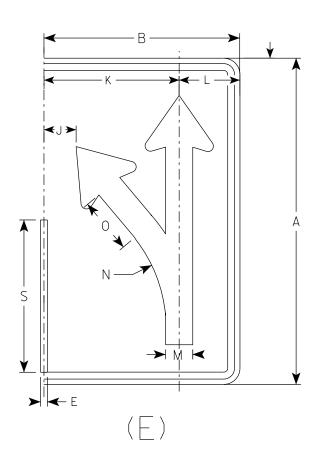
- 1. Sign is Type II Type H Reflective
- 2. Color:

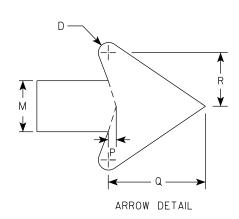
Background - White Message – Black

3. Message Series - None



HWY:





SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y Z	Area sq. ft.
1																										
25	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14							3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14							3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 %	4	4 1/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4							6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8							10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8							10.0

COUNTY:

STANDARD SIGN R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

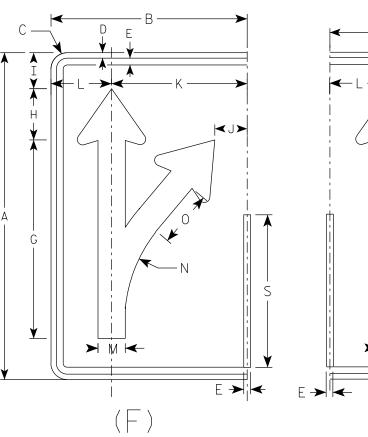
PLOT DATE: 14-FEB 2023 3:07

PLOT BY: mscj9h

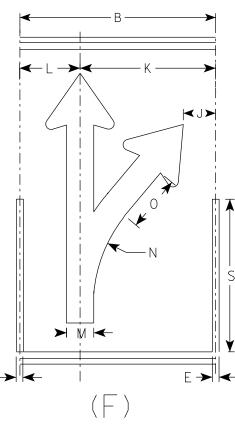
- 1. Sign is Type II Type H Reflective
- 2. Color:

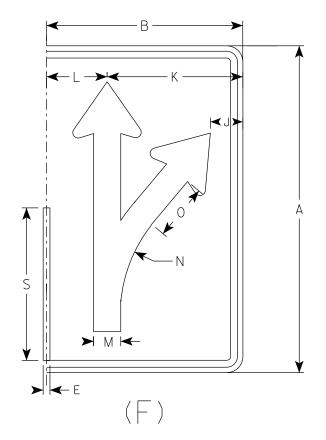
Background - White Message - Black

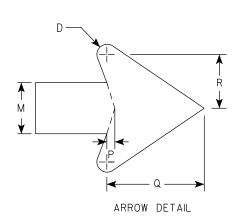
3. Message Series - None



HWY:







SIZE	А	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 1/8				16 1/8			15 1/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4					22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 %	4 1/4	22 3/8								10.0

COUNTY:

STANDARD SIGN R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Raw

For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO: **E**

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

PLOT DATE: 14-FEB 2023 3:15

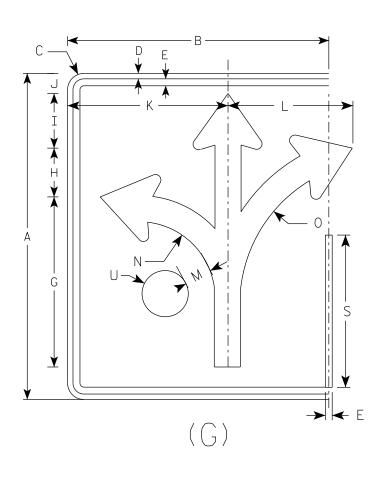
PLOT BY: mscj9h

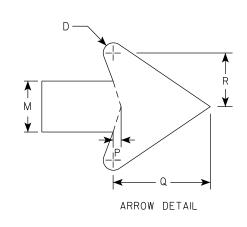
PLOT NAME :

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

Background - White Message - Black

3. Message Series - None





SIZE	А	В	С	D	E	F	G	Н	Ι	J	K	L	М	N	0	Р	Q	R	S	T U	٧	W	X	Y	Z	Area sq. ft.
1																										
25	30	24	1 1/2	1/2	5/8	1	15 %	4 1/2	5	1 1/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14	2 /	, 8					5.0
2M	30	24	1 1/2	1/2	5/8	1	15 %	4 1/2	5	1 1/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14	2 1/	8					5.0
3	36	30	1 1/2	1/2	5/8	1	18 ¾	5 1/2	6	3 1/8	17 1/4	17 1/4	2 1/8	8 3/8	16	1/2	5 ½	3	16 3/4	2 1/	2					7.5
4	48	36	2 1/4	3/4	1	2	24 1/8	7 1/4	7 1/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8	3 3	, B					12.0
5	48	36	2 1/4	3/4	1	2	24 1/8	7 1/4	7 1/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8	3 3	, B					12.0

STANDARD SIGN R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2 SHEET NO:

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn HWY:

COUNTY:

PLOT DATE: 14-FEB 2023 3:21

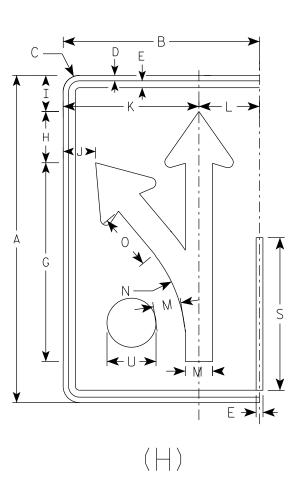
PLOT NAME :

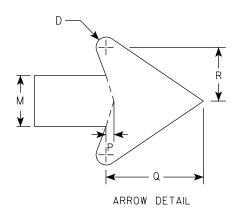
PLOT BY: mscj9h

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

Background - White Message – Black

3. Message Series - None





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	Υ	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 1/8	5 %	4	4 1/8	16 1/8	7 3/4	3	15 1/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8		22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN R3-8 (H) Arrow WISCONSIN DEPT OF TRANSPORTATION

 f_{or} State Traffic Engineer

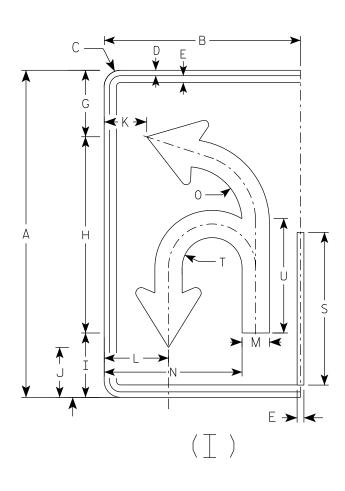
DATE 2/14/23 PLATE NO. R3-8.2

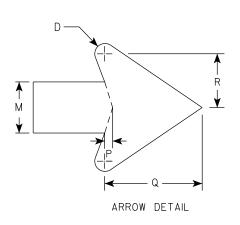
PROJECT NO: HWY: COUNTY: SHEET NO:

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

Background - White Message - Black

3. Message Series - None





SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8		6 1/8	18	5 %	4 5/8	3 1/8	5 %	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 1/8	4 5/8	3 1/8	5 %	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 1/8	21 5/8	7 1/8	5 1/2	5 %	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 ¾	9 3/8	7 1/4	6 1/8	10	4	20 1/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 1/8	10	4	20 1/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4				·	·	10.0

STANDARD SIGN R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther f_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

PROJECT NO:

HWY:

COUNTY: PLOT DATE: 14-FEB 2023 3:16

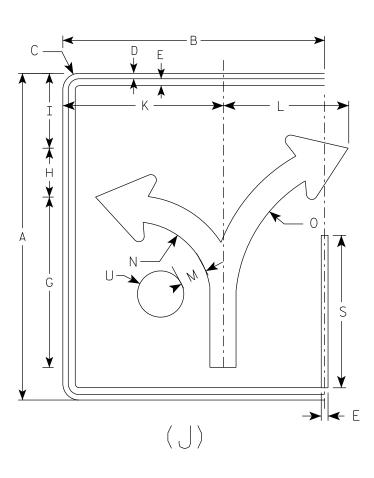
PLOT BY: mscj9h

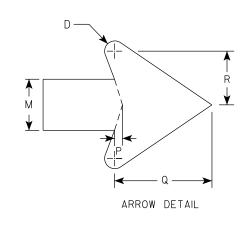
PLOT NAME :

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

Background - White Message - Black

3. Message Series - None





SIZ	E ,	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																												
25	5 3	30	24	1 1/2	1/2	5/8		15 %	4 1/2	6 %		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
21	1 3	30	24	1 1/2	1/2	5/8		15 %	4 1/2	6 %		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	100	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 1/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4		48	36	2 1/4	3/4	1		24 1/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5		48	36	2 1/4	3/4	1		24 1/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8	·	3 3/8					·	12.0

COUNTY:

STANDARD SIGN R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther f_{or} State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

HWY:

PROJECT NO:

PLOT DATE: 14-FEB 2023 3:18

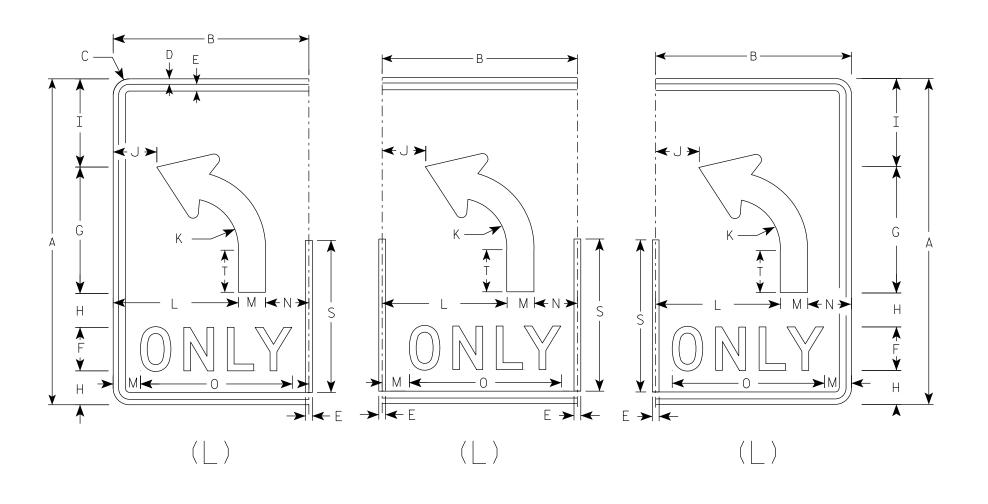
PLOT BY : mscj9h

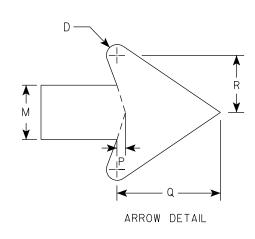
PLOT NAME :

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

Background – White Message – Black

3. Message Series - D





SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 1/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 1/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

SHEET NO:

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\stdplate_R38.dgn

PLOT DATE: 14-FEB 2023 3:02

PLOT BY: mscj9h

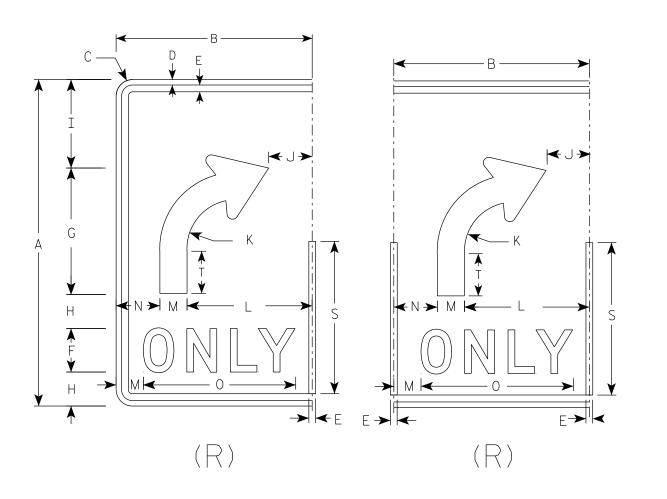
PLOT NAME :

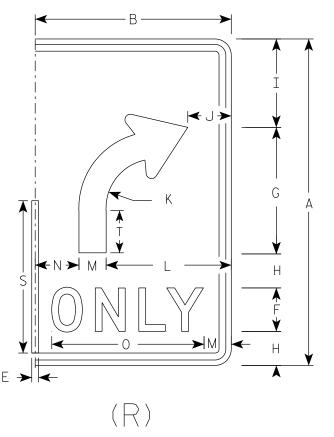
Ε

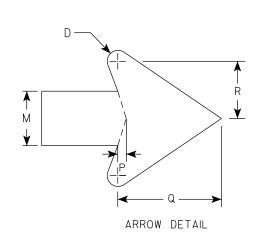
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - D







SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																											
25	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 1/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 1/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe R Raw For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

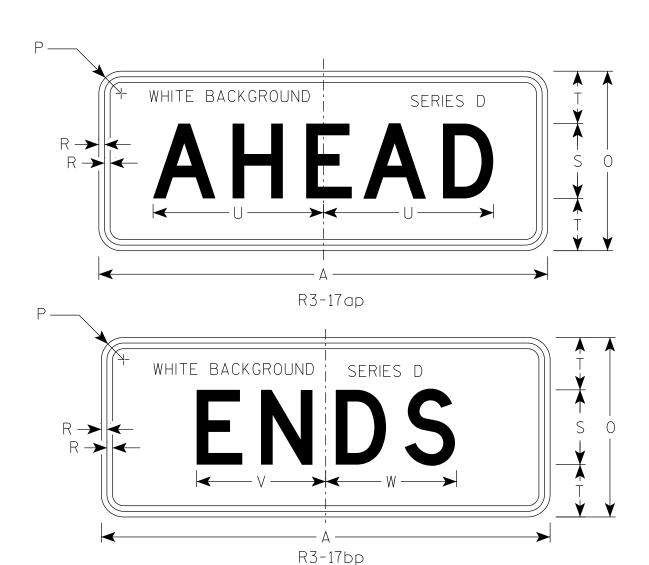
PROJECT NO: SHEET NO:

2. Color:

Background - AS SHOWN Message - BLACK

3. Message Series - C or as noted





																											R3-17		R3-17bp
SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	>	W	Х	Υ	Z	Area sq. ft.	Area sq. ft.	Area sq. ft.
1																													
25	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 %	8 3/4	2 3/8	15 %	8	5.0	2.5	2.5
2M	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 1/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 %	8 3/4	2 3/8	15 %	8	5.0	2.5	2.5
3																													
4																													
5																													
			•		•						•					•							•						

STANDARD SIGN R3-17 & R3-17a&bp WISCONSIN DEPT OF TRANSPORTATION For State Traffic Engineer DATE 2/23/23 PLATE NO. R3-17.3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R317.dgn

PROJECT NO:

PLOT DATE: 23-FEB 2023 9:44

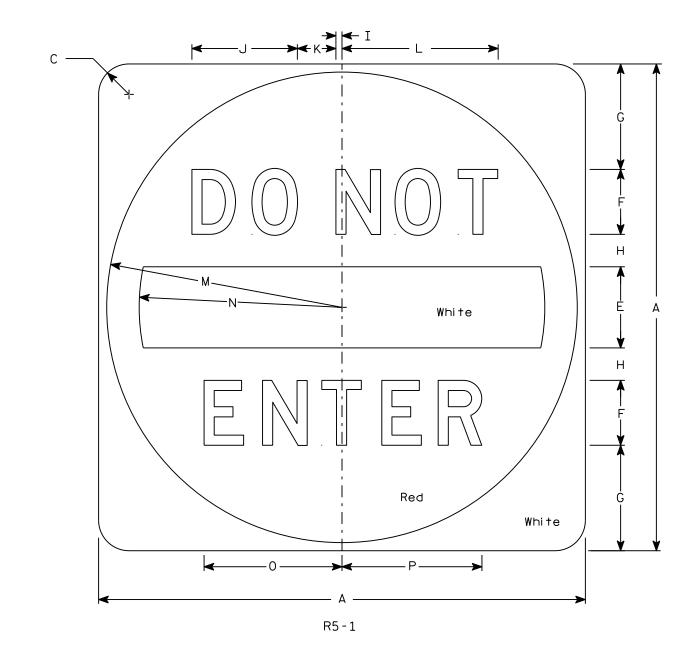
PLOT BY: mscj9h

WISDOT/CADDS SHEET 42

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

Background - See detail Message - White

3. Message Series - D



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	Υ	Z	Area sq. ft.
1																											
25	30		1 1/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 %	14 1/2	12 1/2	8 1/2	8 %											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 %	10 ¾											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 1/8											16.0

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

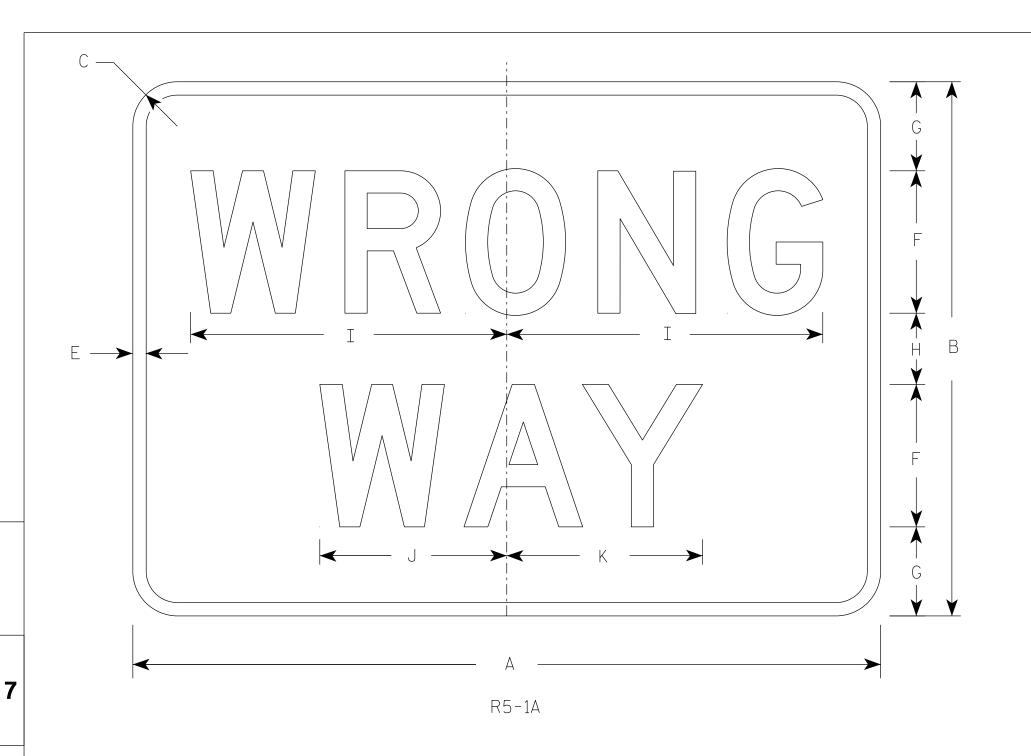
DATE <u>3/15/18</u>

8 PLATE NO. R5-1.16
SHEET NO:

PLOT SCALE : 5.914594:1.000000

HWY:

PROJECT NO:



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

Background - Red Message - White

3. Message Series - D

SIZE	А	В	С	D	Е	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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 1/8																3.75
25	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 1/8	8 1/4																6.00
2M	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 1/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN R5-1A

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

PLATE NO. <u>R5-1</u>A.3

PROJECT NO:

COUNTY: PLOT DATE: 17-AUG 2023 2:56

PLOT BY : mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ wisdot/cadds sheet 42

HWY:

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

Background - White Message - See Note 3

3. Circle & Diagonal - Red

Truck Symbol & Border - Black

	G H I
→	▼

R5-2

SIZE	А	В	С	D	E	F G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1																										
25	24		1 1/2	3/8	1/2	2	8 1/2	10 1/2	6 1/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/2	3/8	1/2	2	8 1/2	10 1/2	6 1/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 1/8	1/2	5/8	2 !	/ ₂ 10 ½	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		2 1/4	5/8	3/4	3	12 3/4	15 ¾	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1	4	17	21	13	13	2 5/8	7 5/8														16.0

COUNTY:

STANDARD SIGN R5-2

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

ROVED Matther R Rawh for State Traffic Engineer

DATE 8/17/23

PLATE NO. <u>R5-2.7</u>

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R52.dgn

HWY:

PROJECT NO:

PLOT DATE: 17-AUG 2023 3:01

PLOT BY : mscj9h

PLOT NAME :

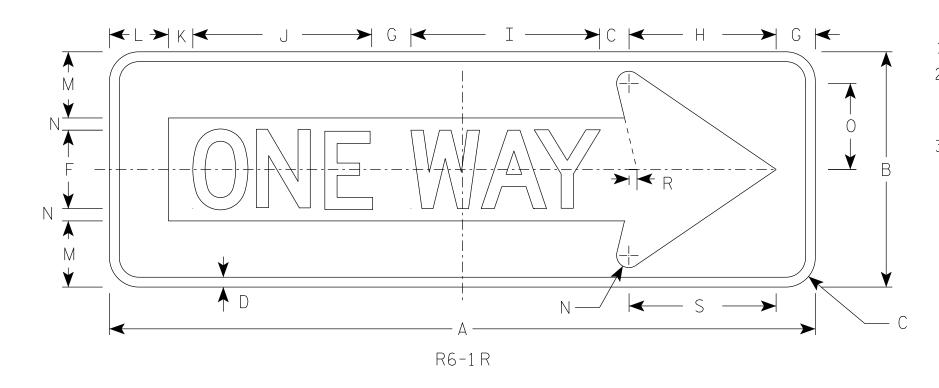


- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - Black

Message - Black Legend & White Arrow & Border

3. Message Series - D



P —	$ \longrightarrow G $
	 R6-1 L

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	1 1/2	3/4		6	3	11 1/4	13 5/8	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	1 1/2	3/4		6	3	11 1/4	13 %	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	1 1/2	3/4		6	3	11 1/4	13 %	14 1/2	1 1/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

For State Traffic Engineer

DATE 8/30/23

PLATE NO. <u>R6-1.4</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn

PROJECT NO:

PLOT DATE: 30-AUG 2023 3:40

PLOT BY : mscj9h

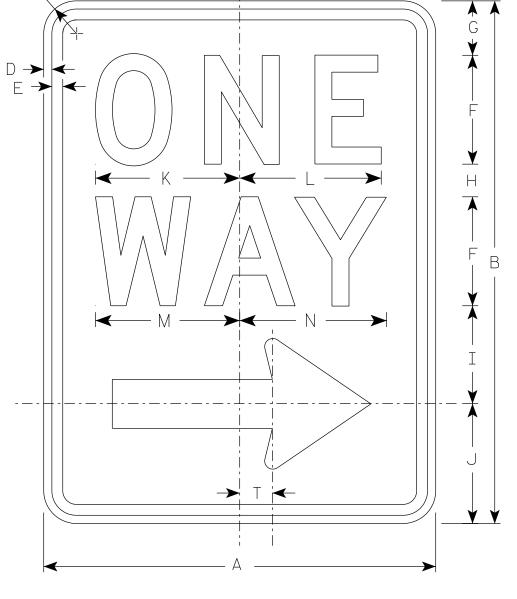
WISDOT/CADDS SHEET 42

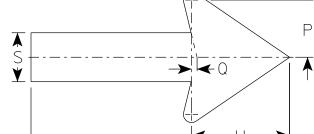
Ε

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

Background - White Message – Black

- 3. Message Series D
- 4. R6-2L same as R6-2R except arrow points to the left.





Arrow Detail

R6-2R

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	Υ	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 %	6 1/2	6 %	6 3/4	11 1/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
25	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 1/8	1/2	5/8	8	2 1/2	2 5/8	6 1/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 %	1/2	3/4	4 3/4	3	9					
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \mathcal{F}_{or} State Traffic Engineer

SHEET NO:

DATE 11/2/10

PLATE NO. R6-2.8

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R62.dgn

HWY:

PROJECT NO:

COUNTY:

PLOT DATE: 30-AUG 2023 3:56 PLOT BY: mscj9h PLOT NAME :

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

Background - White Message – Black

3. Message Series - D

	G V
	<u>¥</u> H ⊼ F B
	<u>¥</u>
K K K	G W

R6 - 7

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Ρ	Q	R	S	Т	U	٧	W	X	Υ	Z
1																										
25	24	30	1 1/2	3/8	1/2	6	3 1/2	2 1/2	8	8 1/8	8 1/2															
2M	30	36	1 1/8	1/2	5/8	8	3 1/4	2 3/4	10 1/8	10 ½	11 1/2															
3	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
4	36	48	1 1/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
5																										

STANDARD SIGN R6-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \mathcal{F}_{or} State Traffic Engineer

DATE 10/26/23 PLATE NO. R6-7.2

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stplate\R67.dgn

PROJECT NO:

HWY:

PLOT DATE: 26-OCT 2023 2:38

PLOT BY: mscj9h

PLOT NAME :

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

COUNTY:



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

Background - White Message - See note 3

3. Border & Pedestrian are non-reflective black. Circle with diagonal bar is reflective red.

C	
G T	
	J A
	K
A A	
R9-3A	

А	В	С	D	E	F	G	Н	I	J	K	L	М	Z	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 1/8	12	3																2.25
24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
IFCT	NO.				<u> </u>	П	N Y •				<u> </u>		VITY.	<u> </u>	<u> </u>		<u> </u>									
	24	24	24 1 ½ 1 ½ 1 ½	24 1 ½ 3/8 24 1 ½ 3/8	24	24	24	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 24 1 ½ 3/8 ½ 2 8 ½ 24 1 ½ 3/8 ½ 2 8 ½ 24 1 ½ 3/8 ½ 2 8 ½	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅓ 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 24 1 ½ 3/8 ½ 2 8 ½ 10 ½	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ¾ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ⅙ 12 3 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4 24 1 ½ 3/8 ½ 2 8 ½ 10 ½ 15 4	A B C D E F G H I J K L M N 0 P 0 R S T U V W X 18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ½ 15 4 1 <td>A B C D E F G H I J K L M N O P O R S T U V W X Y 18 1 ½ 3/8 ½ 0 ½ 10 ½ 15 4 I</td> <td>A B C D E F G H I J K L M N O P O R S T U V W X Y Z 18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ½ 12 3 3 0</td>	A B C D E F G H I J K L M N O P O R S T U V W X Y 18 1 ½ 3/8 ½ 0 ½ 10 ½ 15 4 I	A B C D E F G H I J K L M N O P O R S T U V W X Y Z 18 1 ½ 3/8 3/8 1 ½ 6 ¼ 7 ½ 12 3 3 0

STANDARD SIGN R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 1/23/24 PLATE NO. R9-3A.4

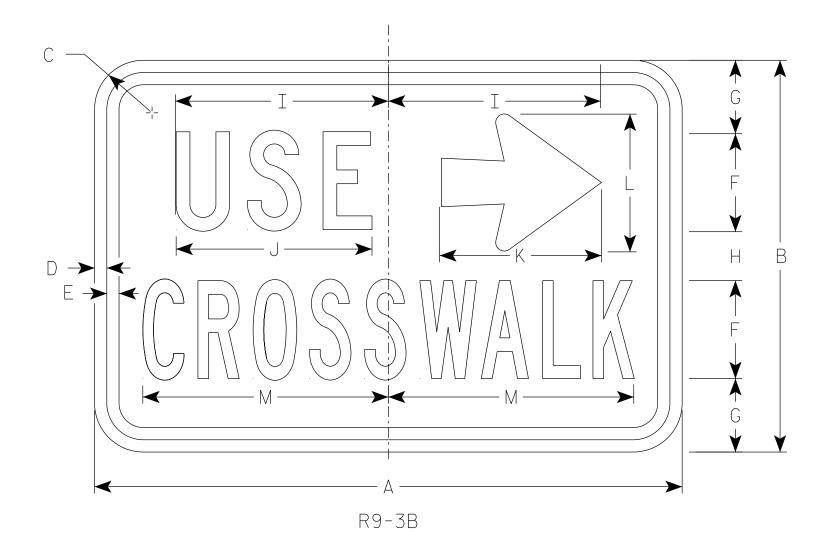
SHEET NO:

PLOT BY: mscj9h

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

Background - White Message – Black

3. Message Series - C Line 1, Series B Line 2



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Ρ	a	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft.
1																											
25	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R9-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \mathcal{F}_{or} State Traffic Engineer PLATE NO. <u>R9-3B.3</u>

DATE <u>1/23/24</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R93B.dgn

HWY:

PROJECT NO:

PLOT DATE: 23-JAN 2024 1:21

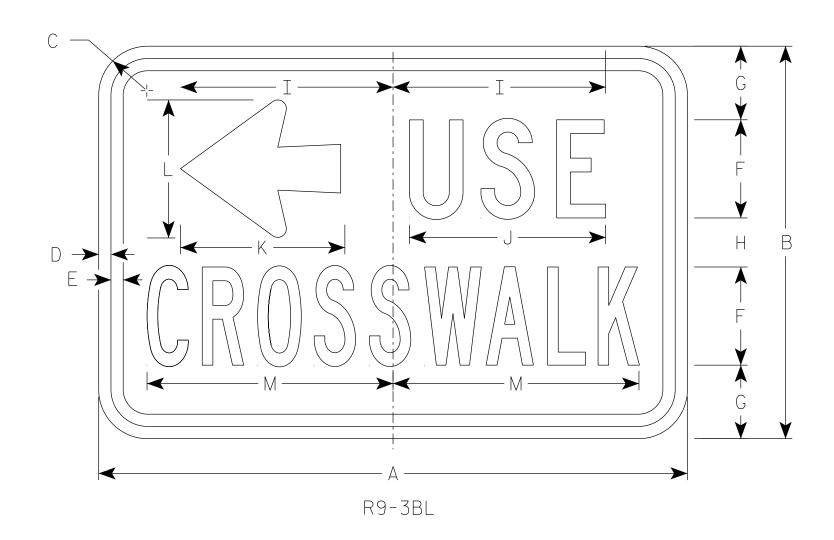
PLOT BY: mscj9h

PLOT NAME :

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

Background - White Message – Black

3. Message Series - C Line 1, Series B Line 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	Υ	Z	Area sq. ft.
1																											
25	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \mathcal{F}_{or} State Traffic Engineer

DATE 1/23/24

PLATE NO.R9-3BL.2 Ε SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R39BL.dgn

HWY:

PROJECT NO:

PLOT DATE: 23-JAN 2024 1:57

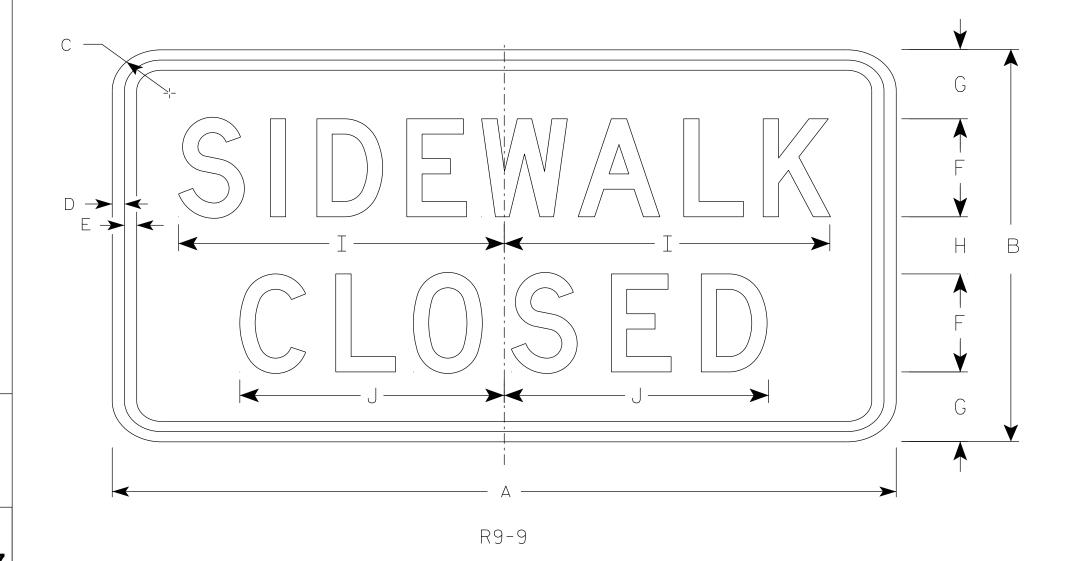
PLOT BY: mscj9h

PLOT NAME :

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

Background - White Message - Black

- 3. Message Series C
- 4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	Ν	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1																											
25	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 1/2	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>1/24/24</u>

PLATE NO. <u>R9-9.7</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.dgn

HWY:

PROJECT NO:

PLOT DATE: 24-JAN 2024 11:55

PLOT BY: mscj9h

PLOT NAME :

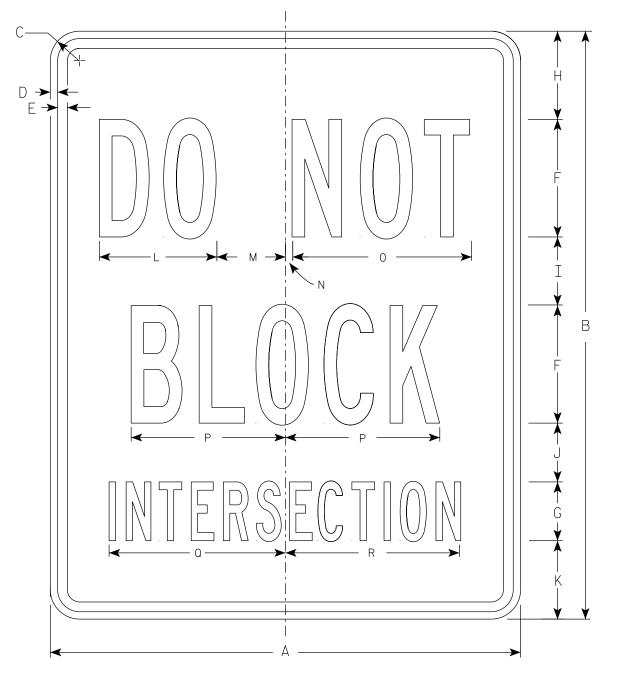
PLOT SCALE: \$\$.....plotscale.....\$\$WISDOT/CADDS SHEET 42

1

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

Background - White Message - Black

3. Message Series - B



R10-7

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	Υ	Z	Area sq. ft.
1 1																											
25	24	30	1 1/2	3/8	1/2	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 1/8	9	8 1/8									5.0
2M	24	30	1 1/2	3/8	1/2	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 1/8	9	8 1/8									5.0
3	36	48	1 1/8	1/2	5/8	10	5	7	5 1/4	4 1/2	6 1/4	10	5 5/8	1/2	15 1/8	13 1/8	15	14 7/8									12.0
4																											
5																								·			

COUNTY:

STANDARD SIGN R10-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 \emph{for} State Traffic Engineer PLATE NO. <u>R10-7.6</u>

SHEET NO:

PLOT DATE: 25-JAN 2024 12:46

PLOT BY : mscj9h

PLOT NAME :

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

PROJECT NO: FILE NAME: C:\CAEfiles\Projects\tr_stdplate\R107.dgn HWY:



- 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. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.

R11-3

** See Note 5

HWY:

В	C	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
30	1 7/8	1/2	5/8	6	5	3 1/2	16 1/8	5	1 3/8	23 1/4	3	6 1/4	13	1 1/8		1 1/8	22 1/8	14	1 1/2	17 1/2	11 1/8				12.5
30	1 7/8	1/2	5/8	6	5	3 1/2	16 1/8	5	1 3/8	23 1/4	3	6 1/4	13 %	1 1/8		1 1/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
)	30	30 1 7/8	18 1 ½ ¾ 30 1 ⅓ ½	18 1 ½ ¾ ¾ ¾ 30 1 ¾ ½ 5%	18 1 ½ 3/8 3/8 4 30 1 7/8 ½ 5/8 6	18 1 ½ 3/8 3/8 4 3 30 1 ½ ½ 5/8 6 5	18 1 ½ 3/8 3/8 4 3 2 30 1 ½ 5/8 6 5 3 ½	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 30 1 ½ 5/8 6 5 3 ½ 16 ¾	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ½ 15 3/8 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ½ 15 3/8 2 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 3/8 23 ¼ 3	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 15 ¾ 2 3 ¾ 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼ 3 6 ¼	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼ 3 6 ¼ 13 ¾	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼ 3 6 ¼ 13 ¾ 1 ½	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼ 3 6 ¼ 13 ¾ 1 ½	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 30 1 ¾ ½ 5/8 6 5 3 ½ 16 ¾ 5 1 ¾ 23 ¼ 3 6 ¼ 13 ½ 1 ½ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 3 6 ¼ 1 ¾ 1 ¾ 1 ¾	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓8 15 ¾8 2 3 ¾4 8 ¼4 5/8 1 ¾8 13 ¼4 30 1 ¾8 ½ 5/8 6 5 3 ½ 16 ¾8 5 1 ¾8 23 ¼4 3 6 ¼4 13 ½8 1 ⅓8 1 ¾8 12 ⅓8	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓8 15 ¾8 2 3 ¾4 8 ¼4 5/8 1 ¾8 13 ¼4 8 ¾8 30 1 ¾8 ½ 5/8 6 5 3 ½ 16 ¾8 5 1 ¾8 23 ¼4 3 6 ¼4 13 ½8 1 ⅓8 1 ¾8 12 ½8 14	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓8 15 ¾8 2 3 ¾4 8 ¼4 5/8 1 ¾8 13 ¼4 8 ¾8 ½8 30 1 ¾8 ½ 5/8 6 5 3 ½ 16 ¾8 5 1 ¾8 23 ¼4 3 6 ¼4 13 ½8 1 ⅓8 11 ¾8 22 ⅓8 14 1 ½2	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓8 15 ¾8 2 3 ¾4 8 ¼4 5/8 1 ¾8 13 ¼4 8 ¾8 ¼8 10 ½ 30 1 ¾8 ½ 5/8 6 5 3 ½ 16 ¾8 5 1 ¾8 23 ¼4 3 6 ¼4 13 ½8 1 ⅓8 1 ¾8 12 ½8 14 1 ½2 17 ½2	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ½ 1 ¼ 1 ¼ 1 ¼ 1 ½ 1 ¼ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ½ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ½ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ <t< td=""></t<></td></t<></td></t<></td></t<>	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ½ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ½ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ <t< td=""></t<></td></t<></td></t<>	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¼ 1 ½ <t< td=""><td>18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ <t< td=""></t<></td></t<>	18 1 ½ 3/8 3/8 4 3 2 11 ¼ 3 1 ⅓ 15 ¾ 2 3 ¾ 8 ¼ 5/8 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ¾ 1 ½ <t< td=""></t<>

COUNTY:

STANDARD SIGN R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther & Rawh

For State Traffic Engineer

SHEET NO:

DATE <u>2/5/24</u> PLATE NO. <u>R11-3.10</u>

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN

PROJECT NO:

PLOT DATE : 5-FEB 2024 2:30

PLOT BY: mscj9h

PLOT NAME :

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

Background - White Message - Black

3. Message Series - Lines 1, 2 & 3 are series E

Lines 4,5,& 6 are series D.

- 4. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.
- 5. Substitute name of county or town on County Trunk and Town Highways respectively. Community name on City or Village Streets including Connecting Highways is optional.

* Varies (see note 4)

$D \rightarrow \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
	 K
	G B
	— ¥ — H — H
RY ORDER OF	<u> </u>
WIS DEPT OF TRANSPORTATION	$\begin{bmatrix} \frac{-M}{M} N \\ 0 \end{bmatrix}$
A	

R12-1

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	24	30	1 1/2	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 1/8	9	9 1/2	6	6 1/2	7 1/8	6 1/8	3 1/4	3 %	7 3/4			5.0
25	24	30	1 1/2	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 1/8	9	9 1/2	6	6 1/2	7 1/8	6 1/8	3 1/4	3 %	7 3/4			5.0
2M	24	30	1 1/2	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 1/8	9	9 1/2	6	6 1/2	7 1/8	6 1/8	3 1/4	3 %	7 3/4			5.0
3	36	48	1 1/8	1/2	5/8	6	10	8	4 1/2	2 1/2	2 1/4	1 1/2	3/4	1/2	3	13 1/2	14 1/4	9	9 3/4	10	10 1/4	3 1/4	3 %	7 3/4			12.0
4	48	60	3	3/4	1	6	12	8	6	2 1/2	4 1/2	2 3/4	1 1/2	1	3 3/4	18	19	12	13	14 1/4	13 ¾	6 1/2	7 1/4	15 1/2			20.0
5																											

COUNTY:

STANDARD SIGN R12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Ma

For State Traffic Engineer

DATE 2/8/24

24 PLATE NO. R12-1.9
SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R121.dgn

PROJECT NO:

HWY:

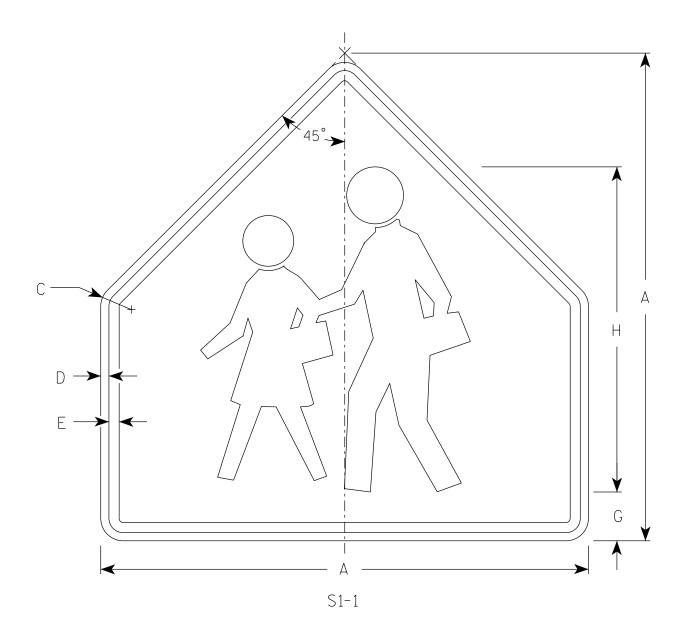
PLOT DATE: 8-FEB 2024 3:32

PLOT BY : mscj9h

PLOT NAME :

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

Background - Yellow-Green Message – Black



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	30		1 3/8	1/2	5/8		3	20																			4.69
25	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		1 1/8	3/4	1		4 3/4	32																			12
5																											

COUNTY:

STANDARD SIGN S1-1

WISCONSIN DEPT OF TRANSPORTATION

DATE 2/16/2023 PLATE NO. S1-1.9 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\S11.dgn

HWY:

PROJECT NO:

PLOT DATE: 16-FEB 2023 2:35

PLOT BY : dotc4c

PLOT NAME :

2. Color:

Background - See Note 4 Message - Black

- 3. Message Series See Note 5
- 4. Top panel (SCHOOL) background Yellow Green Type F Reflective Lower panel background White Type SH Reflective
- 5. From top to bottom:

Lines 1, 5, 6 & 7 are series D Lines 2, 3 & 4 are series E

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

C -		
		1
D-		F ↓
		→ H F B B H
		G
	WHEN CHILDREN	Т Т Н
	ARE PRESENT	
<	A ————————————————————————————————————	-

SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z	Area sq. ft.
1																											
25	24	48	1 1/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 1/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 %	6 3/8	9 1/4	9 3/8			8.00
2M	24	48	1 1/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 1/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	3	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 1/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

COUNTY:

STANDARD SIGN
S4-51
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Lawn

For State Traffic Engineer

DATE 2/22/2023 PLATE NO. S4-51.11

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S451.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-MARCH 2023 2:26

PLOT BY : dotc4c

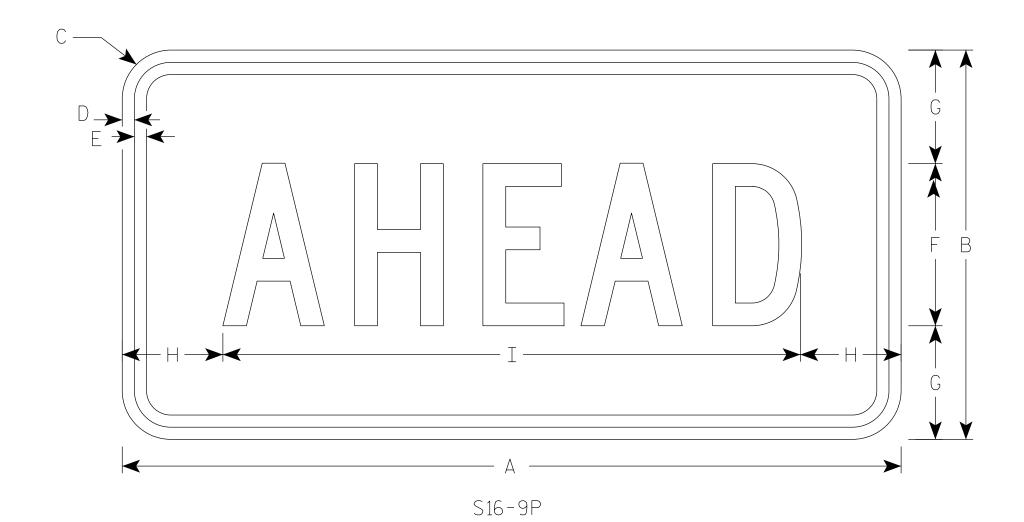
PLOT SCALE: \$\$.....plo†scale.....\$\$WISDOT/CADDS SHEET 42

PLOT NAME :

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

Background - Yellow-Green Message – Black

3. Message Series - C



SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
25	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 ¾																		8.0
5																											
PROJ	ECT	NO:					HW.	Υ:					COUN	TY:													

STANDARD SIGN S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 2/23/2023 PLATE NO. S16-9P.2 SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\S169P.dgn

PLOT DATE: 23-FEB 2023 10:32

PLOT BY : dotc4c

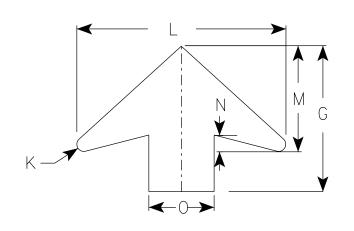
PLOT NAME :

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

Background - Yellow

Arrow & Border - Black

Stop Symbol - White Border on Red Background



ARROW DETAIL

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	W	X	Υ	Z	Area sq. ft.
1	30		1 1/8	1/2	5/8	6 1/4	11 1/4	2 1/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
25	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 %	6												9.0
3	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		3	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	7/8	25 %	13	2	8												16.0
5	48		3	3/4	1	10	17 1/8	4 1/2	25 1/8	3/4	7/8	25 %	13	2	8												16.0

DATE 8/17/2023 PLATE NO. W3-1.13 Ε SHEET NO:

For State Traffic Engineer

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

W3-1

FILE NAME : C:\CAEfiles\Project\tr_stdplate\W31.dgn

PROJECT NO:

PLOT DATE: 17-AUG 2023 2:30

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

W3 - 1

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

Background - Yellow Message - Black

3. Message Series - B



W4-4P

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																											
25	24	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
2M	24	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
3	36	15	1 1/2	3/8	1/2	4	2 5/8	1 3/4	10 3/4	2 3/8	3/8	13 1/2	8 3/8	3	3 1/8	8 3/8											3.75
4	42	18	1 1/2	3/8	1/2	5	3	2	13 3/8	3 1/8	3/8	16 7/8	10 1/2	3 %	3 1/8	10 3/8											5.25
5																											

COUNTY:

STANDARD SIGN W4-4P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rame

 f_{or} State Traffic Engineer

DATE 9/5/2023 PLATE NO. W4-4P.3

SHEET NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\W44P.dgn

PROJECT NO:

HWY:

PLOT DATE : 5-SEPT 2023 10:17

PLOT BY : dotc4c

PLOT NAME :

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

Background - Yellow Message - Black

F
A DE
W11-2

SIZE	Δ	В		П	F	l F	G	Гн	Т		K		М	l N	Ι ο	Р	Q	R	S	Т	Ιυ	l v	l w	l x	Y	7	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 1/8	2 1/8	5 1/8		_		.,		<u>'</u>				'		•	- "	,,	·		4.0
25	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
7	36		2 1/4	5/8	3/4	14 1/2		11 7/8		7 5/8																	9.0
	48		3	3/4	1	10 3/		15 3/4																			16.0
				/4	1	19 %		15 /4	J /8	10 /4																	10.0
PRC	JECT	NO:						HWY:						COUNT	Y:												

STANDARD SIGN

W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew K For State Traffic Engineer

DATE <u>6/15/2023</u>

PLATE NO. <u>W11-2.9</u>

SHEET NO:

PLOT DATE: 15-JUNE 2023 3:50

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE :

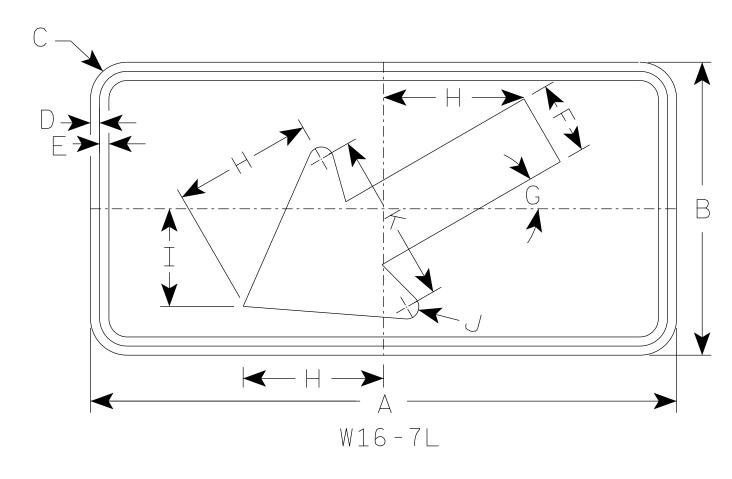
WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W112.DGN

2. Color:

Background - Yellow Message - Black

3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.



 \star For 36" \times 36" Warning Signs, use 30" \times 18" W16-7L signs.

* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

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																											
25	24	12	1 1/2	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

COUNTY:

STANDARD SIGN W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

For State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-7.9 SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W167.dgn

PROJECT NO:

HWY:

PLOT DATE: 9-Jan 2024 2:34

PLOT BY : dotc4c

PLOT NAME :

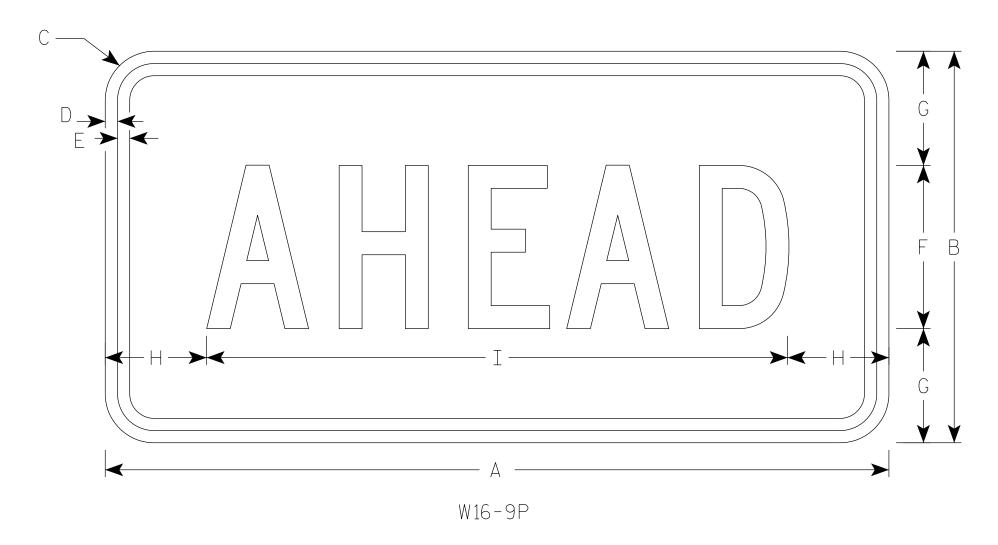
PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

Ε

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

Background - Yellow Message - Black

3. Message Series - C



For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
 For 48" x 48" Warning Signs, use 48" x 24" W16-9P signs.

HWY:

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
25	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
<u></u> ★ 2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
X 3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
\times 4	48	24	1 1/8	1/2	5/8	10	7	6 1/8	35 ¾																		8.0
5																											

COUNTY:

STANDARD SIGN W16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 1/9/2024 PLATE NO. W16-9P.9 SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W169P.DGN

PROJECT NO:

PLOT DATE: 9-Jan 2024 3:47

PLOT BY : dotc4c

PLOT NAME :

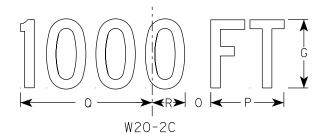


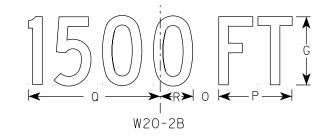
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

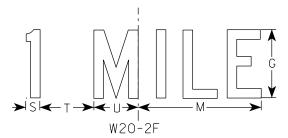
- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series D.
 Line 2 is Series D for AHEAD and
 Series C for all other distances.

S N O P
W20-2D









SIZE	Α	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.
	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 1/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
25	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 ¾	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 1/8	2 5/8	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	10	2 3/8	14 3/8			16.0

COUNTY:

STANDARD SIGN W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

DATE 1/10/2024 PLATE NO. W20-2.7

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN

PROJECT NO:

PLOT DATE: 10-JAN 2024 11:36

PLOT BY : dotc4c

PLOT NAME :

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

W20-2A

HWY:



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

1
W20-3D
$\begin{array}{c c} \hline & & & \\ \hline $
W20-3B
W20-3G

W20-3A

HWY:

SIZE	А	В	С	D	Е	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		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 1/8	12 1/2	11	9	6	10 1/8	2 1/2	1 1/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4 1 3/4	9.0
25	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 %	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 %	12	8	13 1/2	3 3/8	2 %	7 1/2	10 %	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 1/8	6	4 5/8	14 3/8 2 3/8	16.0

STANDARD SIGN W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

SHEET NO:

HEET NO:

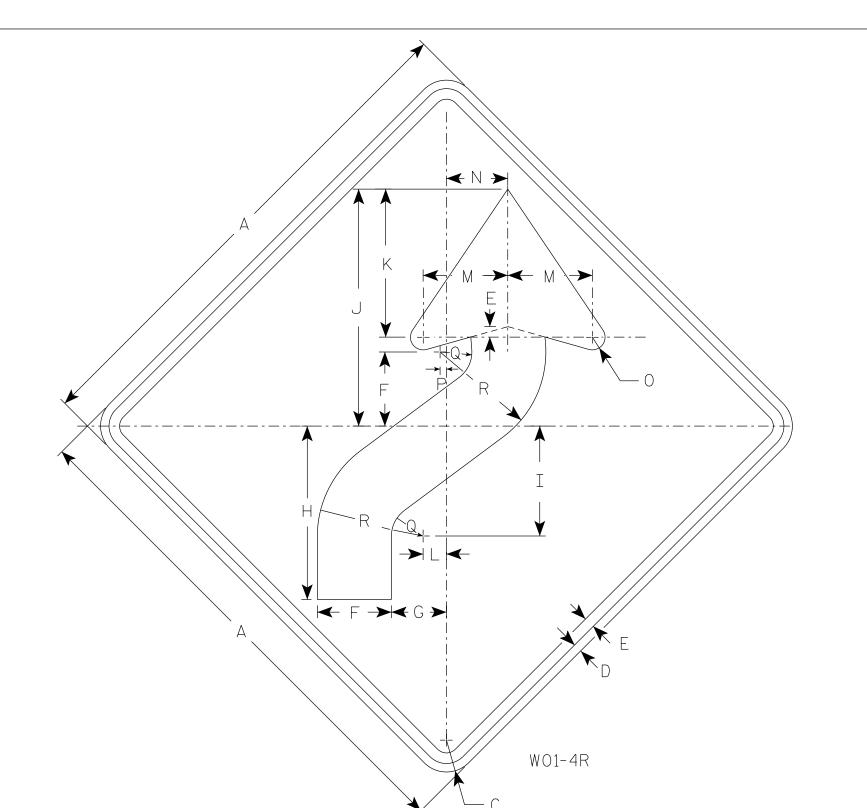
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN

PROJECT NO:

COUNTY: PLOT DATE: 10-JAN 2024 12:02

PLOT BY : dotc4c

PLOT NAME :



- 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.
- 4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE A 5/8 3/4 5 1/4 4 12 3/8 7 7/8 16 7/8 10 1/2 1 5/8 $4 \frac{1}{2}$ 1/2 2 1/4 7 1/2 9.0 36 2 1/4 3/4 5 1/4 16 1/2 10 1/2 22 1/2 48 3 2 1/4 1 1/4 5/8 3 16.0 l2ML 5 1/4 16 1/2 10 1/2 22 1/2 48 3/4 2 1/4 1 1/4 5/8 3 3 10 16.0 5 1/4 16 1/2 10 1/2 22 1/2 3/4 1 1/4 5/8 48 14 2 1/4 3 10 16.0 3 5 1/4 16 1/2 10 1/2 22 1/2 4 48 3/4 14 2 1/4 6 1 1/4 5/8 3 10 16.0 5 3/4 5 1/4 16 1/2 10 1/2 22 1/2 6 1 1/4 5/8 3 48 3 2 1/4 10 16.0 STANDARD SIGN WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE 1/24/2024 PLATE NO. WO1-4.2

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.dgn HWY:

COUNTY: PLOT DATE: 24-JAN 2024 10:56

PLOT BY : dotc4c

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

PLOT NAME :

- 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.

C ————————————————————————————————————	
↑ ↓ ↓ ↓	J B B
M	H —
✓ A WO:	1-6

SIZE	А	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z	Area sq. ft.
1																											
25	48	24	1 1/8	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 1/8	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 1/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 1/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 1/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

COUNTY:

STANDARD SIGN W01-6

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

Matthew R Rauch

DATE <u>1/24/2024</u>

PLATE NO. <u>W01-6.2</u>

Ε

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W016.dgn

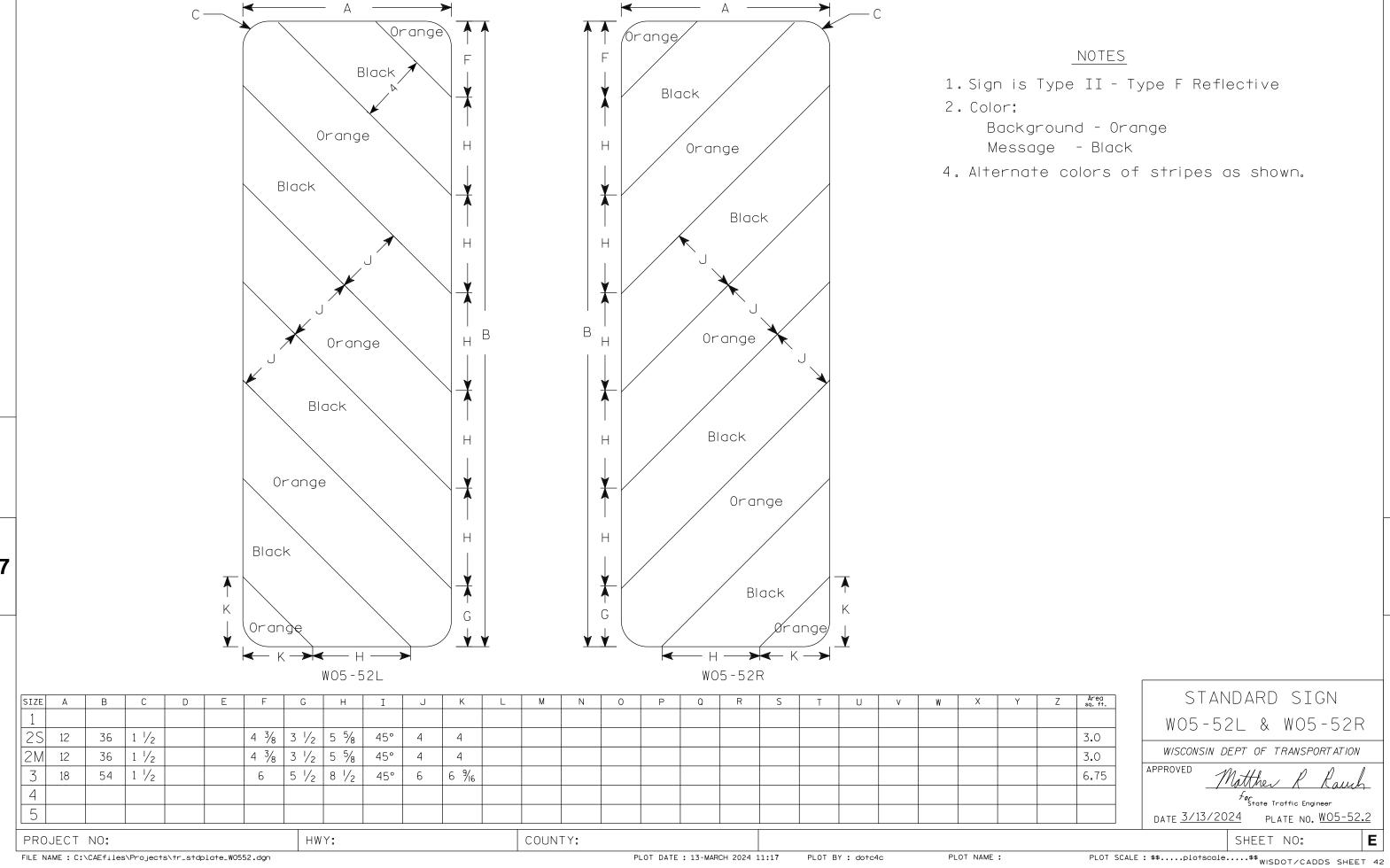
HWY:

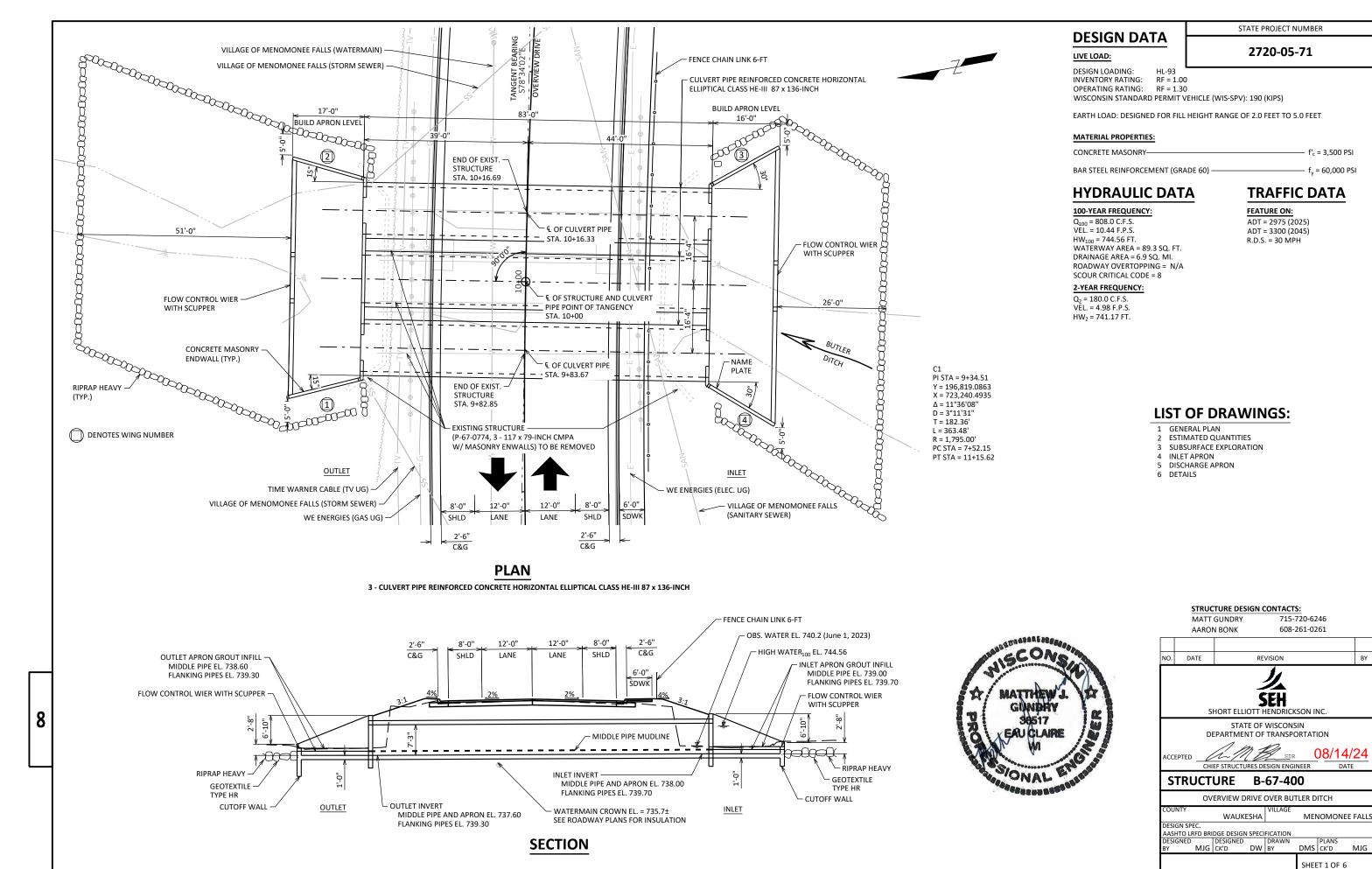
PROJECT NO:

PLOT DATE: 24-JAN 2024 1:12

PLOT BY : dotc4c

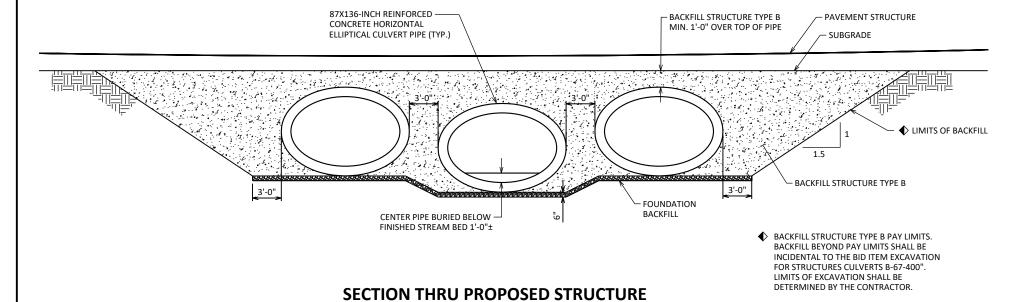
PLOT NAME :

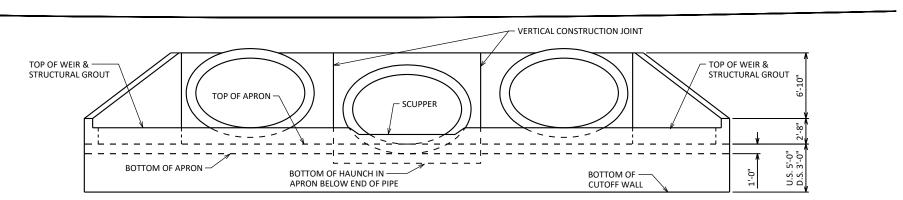




GENERAL PLAN

2720-05-71





HEADWALL & APRON ELEVATION

UPSTREAM END SHOWN, DOWNSTREAM SIMILAR

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS P-67-0774	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS B-67-0400	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	4000
504.0100	CONCRETE MASONRY CULVERTS	CY	115
505.0100	BAR STEEL REINFORCEMENT STRUCTURES	LB	11,050
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	35
606.0300	RIPRAP HEAVY	CY	475
645.0120	GEOTEXTILE TYPE HR	SY	715
SPV.0035	STRUCTURAL GROUT	CY	105
SPV.0090.01	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 87 X 136-INCH	LF	246

VPC STA 9+28.00 VPC EL 751.84 PI STA 10+03.00 VPI EL 749.95 VPI STA 10+78.00 VPT EL 752.22 VPT EL 752.22 VPT EL 752.22 VPT EL 752.22

PROFILE GRADE LINE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

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

BEVEL EXPOSED EDGES OF CONCRETE $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-47-0400" SHALL BE THE EXISTING GROUNDLINE.

THE EXISTING STRUCTURE (P-67-0774) TO BE REMOVED, IS A THREE-CELL 117 x 79-INCH CORRUGATED METAL PIPE ARCH WITH MASONRY ENDWALLS.

WITHIN THE LENGTH OF THE CULVERT PIPES, ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURES TO THE ELEVATION OF THE TOP OF THE PIPES WITHIN THE LENGTH OF THE PIPES.

STRUCTURE BACKFILL IS REQUIRED BEHIND ALL WINGWALLS.

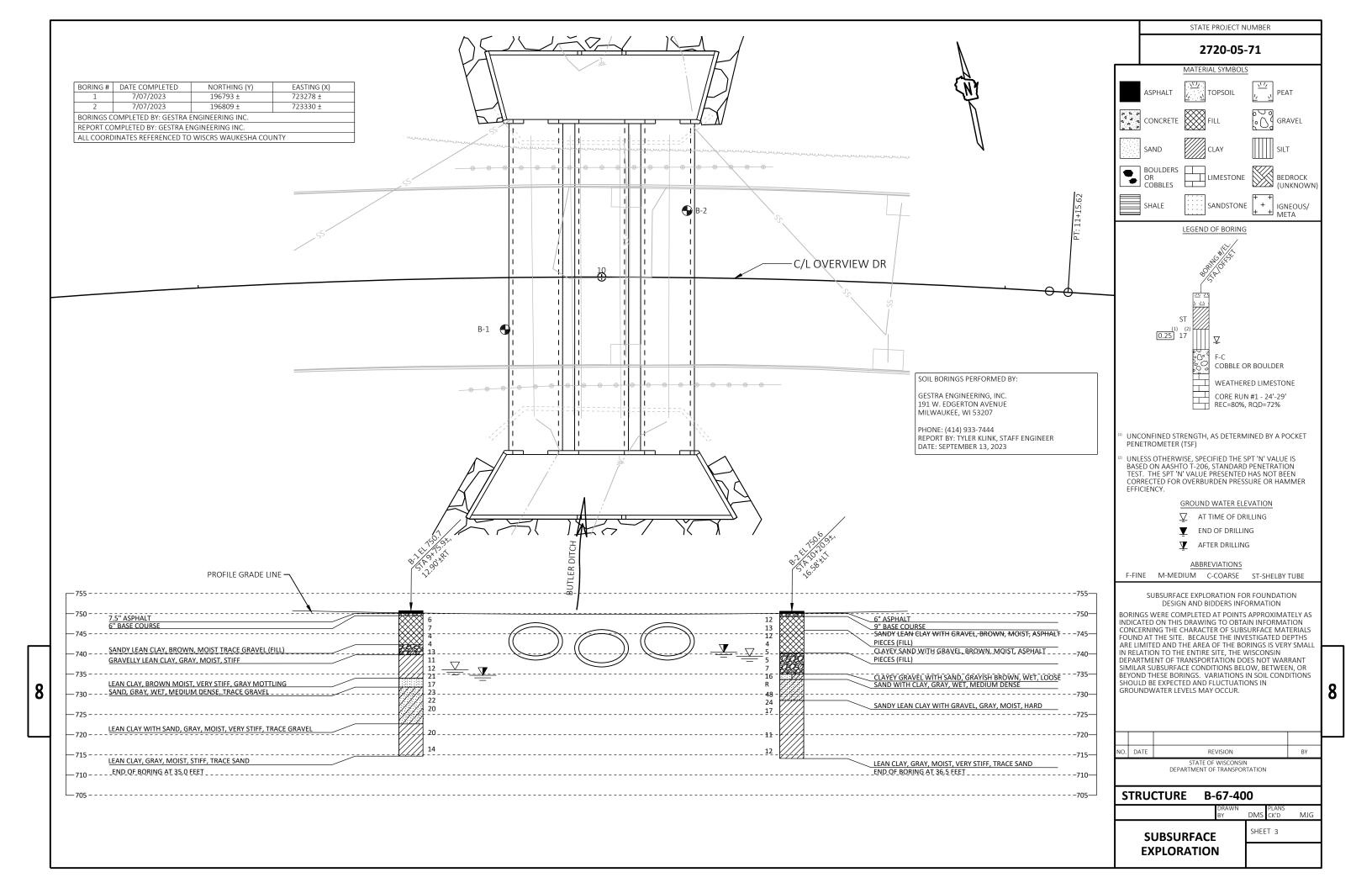
IN LIEU OF USING BREAKER RUN FOR THE CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COURSE AGGREGATE, SELECT CRUSHED MATERIAL, OR OTHER STONE OR GRAVEL MATERIAL AS APPROVED BY THEE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IS "OTHER STONE OR GRAVEL MATERIAL" IS ACCEPTABLE.

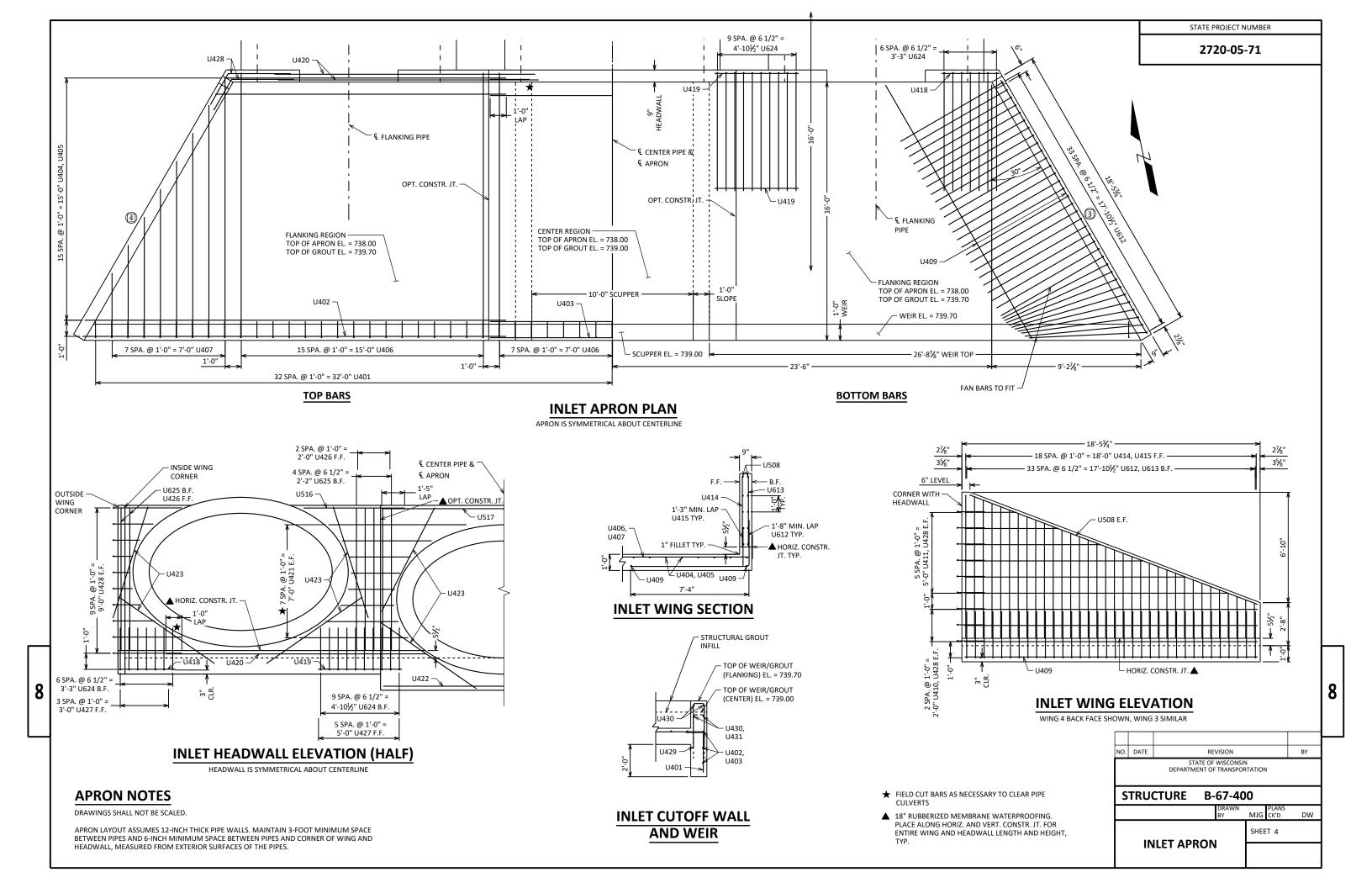
DEWATER AREA TO ALLOW FOR PROPER BEDDING OF PIPE AND TO CONSTRUCT ENDWALLS. BYPASS FLOW AROUND WORK STAGE USING PRECAST TRAFFIC BARRIERS AND POLY SHEETING TO MAINTAIN WATER FLOW IN CREEK. DEWATERING AND BYPASS OF STREAM CONSIDERED INCIDENTAL TO "EXCAVATION FOR STRUCTURES" ITEM.

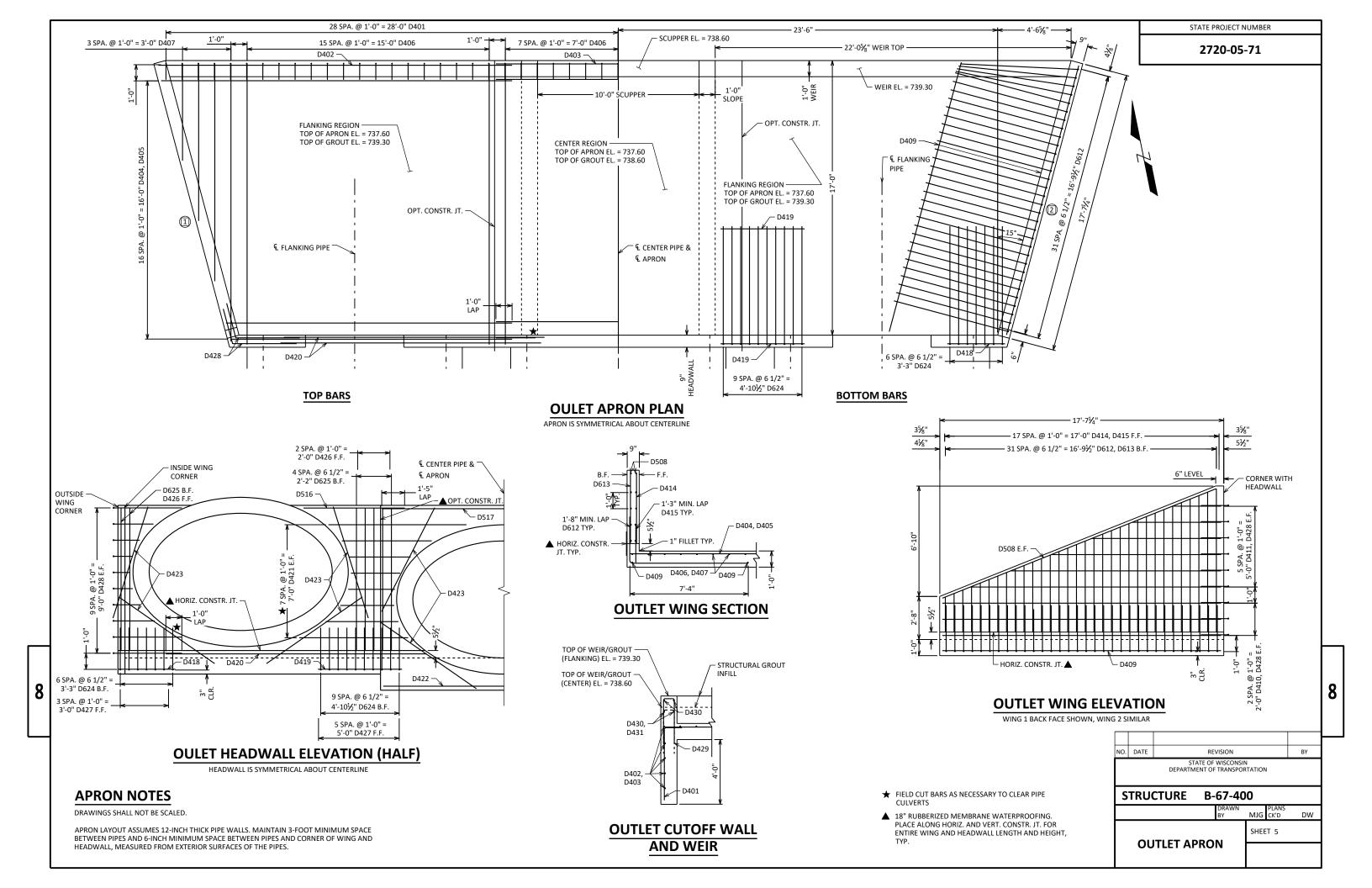
PLACE 18" (MIN.) WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" OVER ALL CONSTRUCTION JOINTS.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

NO.	DATE	RE	BY						
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION								
STRUCTURE B-67-400									
DRAWN PLANS BY MJG CK'D D									
	E	STIMATED	SHEET 2						
	C	UANTITIES							







BILL OF BARS - INLET (SOUTH) APRON

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

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION		
U401		65	3'-6"	Х		APRON AND CUTOFF WALL VERT.		
U402		6	26'-3"			APRON AND CUTOFF WALL HORIZ. FLANKING		
U403		3	15'-2"			APRON AND CUTOFF WALL HORIZ. CENTER		
U404		32	21'-9"		lack	APRON SLAB HORIZ. FLANKING		
U405		16	15'-2"			APRON SLAB HORIZ. CENTER		
U406		47	16'-5"			APRON SLAB HORIZ.		
U407		16	10'-1"		lack	APRON SLAB HORIZ. FLARE		
U508		4	19'-1"			WINGS HORIZ. TOP EACH FACE		
U409		4	18'-1"			WINGS HORIZ. APRON SLAB		
U410		12	18'-1"			WINGS HORIZ. BOTTOM EACH FACE		
U411		24	9'-9"		lack	WINGS HORIZ. EACH FACE		
U612		68	10'-1"	Х		WINGS VERT. BACK FACE BOTTOM		
U613		68	5'-6"		lacktriangle	WINGS VERT. BACK FACE		
U414		38	5'-6"		lacktriangle	WINGS VERT. FRONT FACE		
U415		38	2'-4"			WINGS VERT. DOWELS FRONT FACE		
U516		4	6'-3"			HEADWALL HORIZ. TOP FLANKING EACH FACE		
U517		2	15'-2"			HEADWALL HORIZ. TOP MIDDLE EACH FACE		
U418		2	3'-7"			HEADWALL HORIZ. APRON SLAB		
U419		4	5'-3"			HEADWALL HORIZ. APRON SLAB		
U420		4	16'-2"			HEADWALL HORIZ. BOTTOM EACH FACE		
U421		32	8'-6"			HEADWALL HORIZ. EACH FACE (FIELD CUT)		
U422		2	15'-0"			HEADWALL HORIZ. CENTER HAUNCH EACH FACE		
U423		24	7'-3"			HEADWALL DIAG. EACH FACE		
U624		34	10'-1"	Х		HEADWALL VERT. BACK FACE BOTTOM (FIELD CUT)		
U625		14	8'-10"			HEADWALL VERT. BACK FACE		
U426		10	8'-10"			HEADWALL VERT. FRONT FACE		
U427		20	2'-4"			HEADWALL VERT. DOWELS FRONT FACE		
U428		40	6'-0"	Х		HEADWALL WING INTERSECTION HORIZ. EACH FACE		
U429		65	5'-11"	Х		WEIR VERT. DOWEL		
U430		8	26'-3"			WEIR HORIZ. FLANKING		
U431		2	15'-2"			WEIR HORIZ. CENTER		

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH					
U404	2 SERIES OF 16	17'-5" TO 26'-1"					
U407	2 SERIES OF 8	4'-0" TO 16'-1"					
U411	4 SERIES OF 6	3'-2" TO 16'-3"					
U613	2 SERIES OF 34	2'-2" TO 8'-10"					
U414	2 SERIES OF 19	2'-2" TO 8'-10"					

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
D401		57	5'-6"	Х		APRON AND CUTOFF WALL VERT.
D402		10	21'-11"			APRON AND CUTOFF WALL HORIZ. FLANKING
D403		5	15'-2"			APRON AND CUTOFF WALL HORIZ. CENTER
D404		34	19'-7"		A	APRON SLAB HORIZ. FLANKING
D405		17	15'-2"			APRON SLAB HORIZ. CENTER
D406		47	17'-5"			APRON SLAB HORIZ.
D407		8	11'-7"		Δ	APRON SLAB HORIZ. FLARE
D508		4	18'-3"			WINGS HORIZ. TOP EACH FACE
D409		4	17'-3"			WINGS HORIZ. APRON SLAB
D410		12	17'-3"			WINGS HORIZ. BOTTOM EACH FACE
D411		24	9'-3"		A	WINGS HORIZ. EACH FACE
D612		64	10'-1"	Х		WINGS VERT. BACK FACE BOTTOM
D613		64	5'-6"		$lack \Delta$	WINGS VERT. BACK FACE
D414		36	5'-6"		lacktriangle	WINGS VERT. FRONT FACE
D415		36	2'-4"			WINGS VERT. DOWELS FRONT FACE
D516		4	6'-3"			HEADWALL HORIZ. TOP FLANKING EACH FACE
D517		2	15'-2"			HEADWALL HORIZ. TOP MIDDLE EACH FACE
D418		2	3'-7"			HEADWALL HORIZ. APRON SLAB
D419		4	5'-3"			HEADWALL HORIZ. APRON SLAB
D420		4	16'-2"			HEADWALL HORIZ. BOTTOM EACH FACE
D421		32	8'-6"			HEADWALL HORIZ. EACH FACE (FIELD CUT)
D422		2	15'-0"			HEADWALL HORIZ. CENTER HAUNCH EACH FACE
D423		24	7'-3"			HEADWALL DIAG. EACH FACE
D624		34	10'-1"	Х		HEADWALL VERT. BACK FACE BOTTOM (FIELD CUT)
D625		14	8'-10"			HEADWALL VERT. BACK FACE
D426		10	8'-10"			HEADWALL VERT. FRONT FACE
D427		20	2'-4"			HEADWALL VERT. DOWELS FRONT FACE
D428		40	6'-1"	Х		HEADWALL WING INTERSECTION HORIZ. EACH FACE
D429		57	5'-11"	Х		WEIR VERT. DOWEL
D430		8	21'-11"			WEIR HORIZ. FLANKING
D431		2	15'-2"			WEIR HORIZ. CENTER

▲ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR

BILL OF BARS - OUTLET (NORTH) APRON

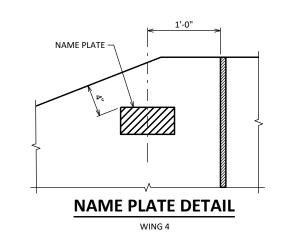
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

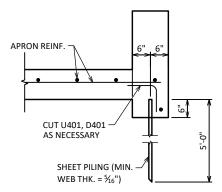
BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

LAP PER PLANS CONST. JOINT FORMED 1½" BY BEVELED KEYWAY 🛦 1/3 OF BOX WALL OR MIN. TOP SLAB THICKNESS 18" RUBBERIZED MEMBRANE ——WATERPROOFING. SEAL JOINTS UP THE WALL AND ACROSS TOP SLAB. HORIZ. WALL BARS

VERTICAL CONSTRUCTION JOINT

▲ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.





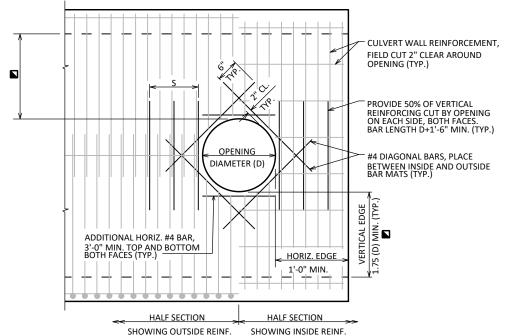
ALTERNATE CUT-OFF WALLS

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONCRETE CUT-OFF WALLS.

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH						
D404	2 SERIES OF 17	17'-5" TO 21'-9"						
D407	2 SERIES OF 4	4'-0" TO 17'-2"						
D411	4 SERIES OF 6	3'-2" TO 15'-6"						
D613	2 SERIES OF 32	2'-2" TO 8'-10"						
D414	2 SERIES OF 18	2'-2" TO 8'-10"						



STORM SEWER OUTFALL IN WING WALL DETAIL

WHEN D ≤ 1'-6" S = 1'-6" WHEN D > 1'-6" S = 1'-6" MIN, D MAX

NOTES

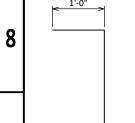
ALL BAR STEEL REINFORCEMENT SHALL BE CUT 2" CLEAR AROUND OPENING.

STATE PROJECT NUMBER

2720-05-71

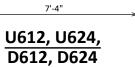
WHERE VERTICAL EDGE DISTANCE CANNOT BE MET ABOVE AND BELOW PIPE, PLACE THE OUTFALL SUCH THAT APPROXIMATELY 50% OF THE PIPE IS EMBEDDED IN THE TOP OF THE WING.

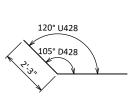
NO. DATE REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-67-400 MJG CK'D SHEET 6 **DETAILS**



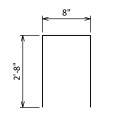
U401, D401







U428, D428



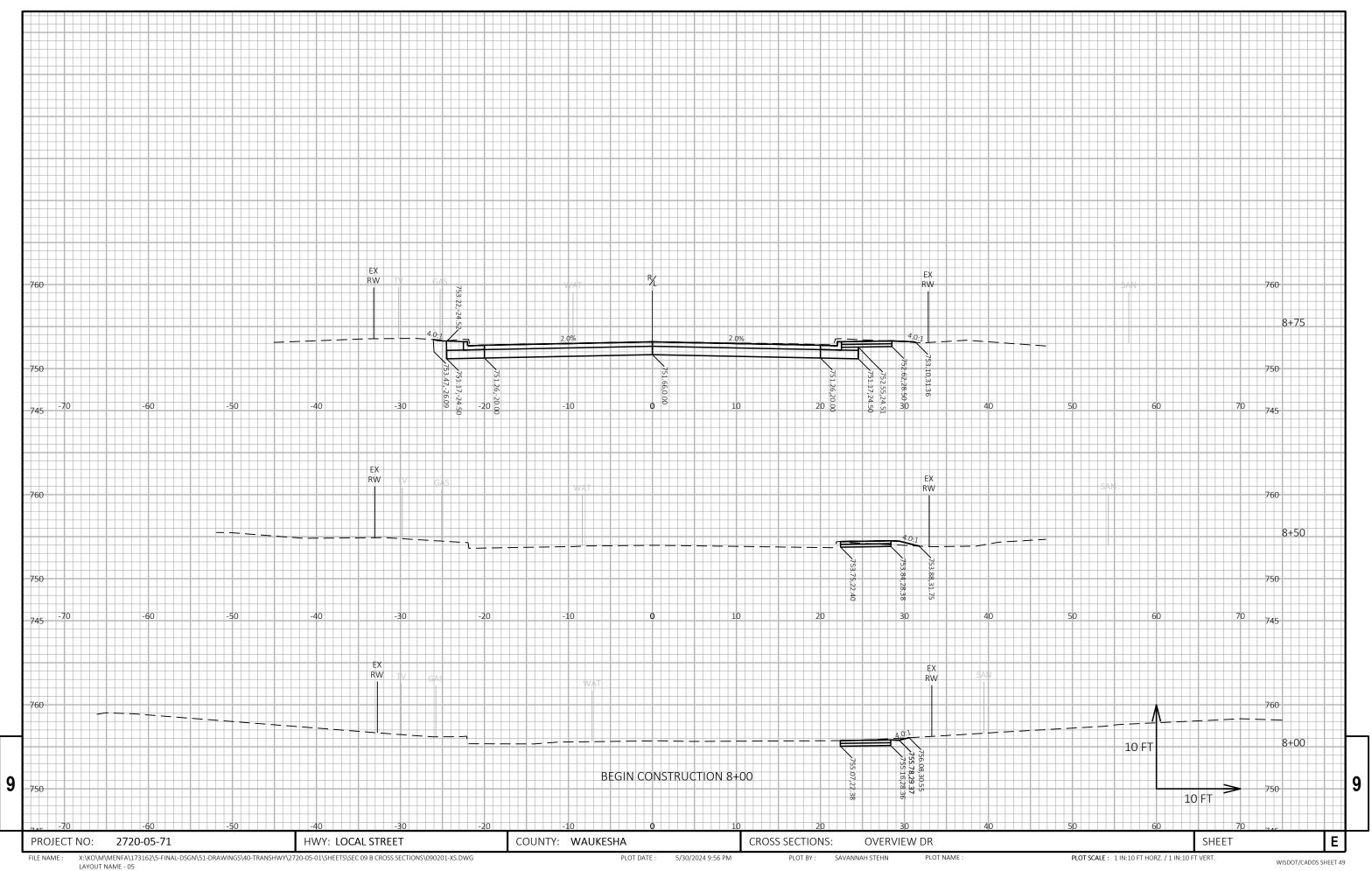
U429, D429

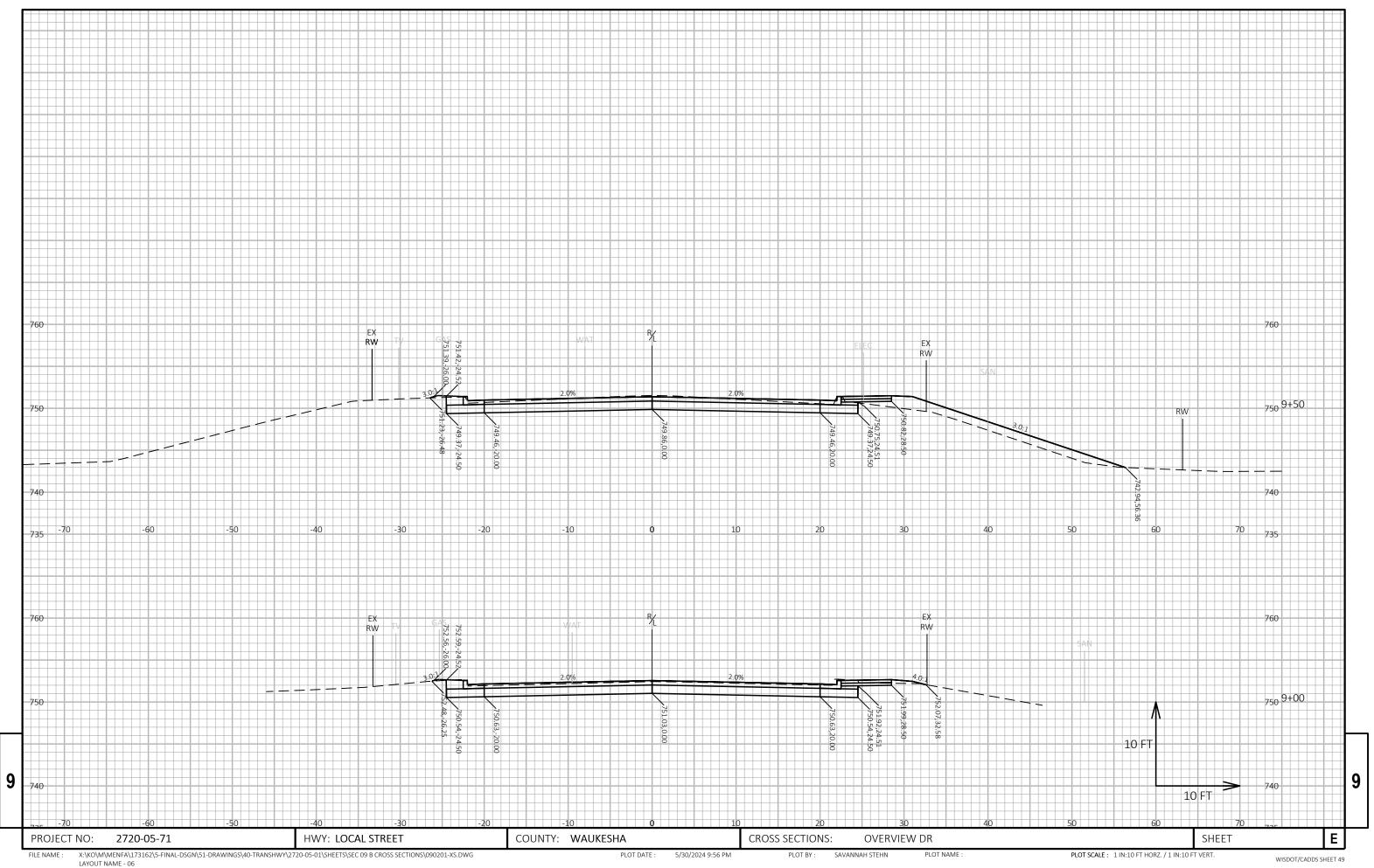
OVERVIEW DRIVE										
				AREA (SF)		INCREMENTAL VOL (CY)		CUMULATIVE VOL (CY)		
CATEGORY	STATION	REAL STATION	DISTANCE	СИТ	FILL	СИТ	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
0010	8+00	800	0	4.68	0.00	0	0	0	0	0
	8+50	850	50	2.41	1.00	7	1	7	1	5
	8+75	874.9	25	2.40	1.00	2	1	9	2	6
	8+75	875	0	78.49	0.59	0	0	9	2	7
	9+00	900	25	73.01	1.08	70	1	79	3	76
	9+50	950	50	71.19	29.58	134	28	213	39	174
	10+00	1000	50	51.19	80.22	113	102	326	166	160
	10+50	1050	50	70.41	5.82	113	80	438	265	173
	11+00	1100	50	76.49	0.88	136	6	575	273	301
	11+00	1100.1	0	4.10	0.00	0	0	575	273	301
	11+50	1150	50	4.11	0.00	8	0	582	273	309
	11+63	1162.7	13	4.41	0.00	2	0	584	273	311

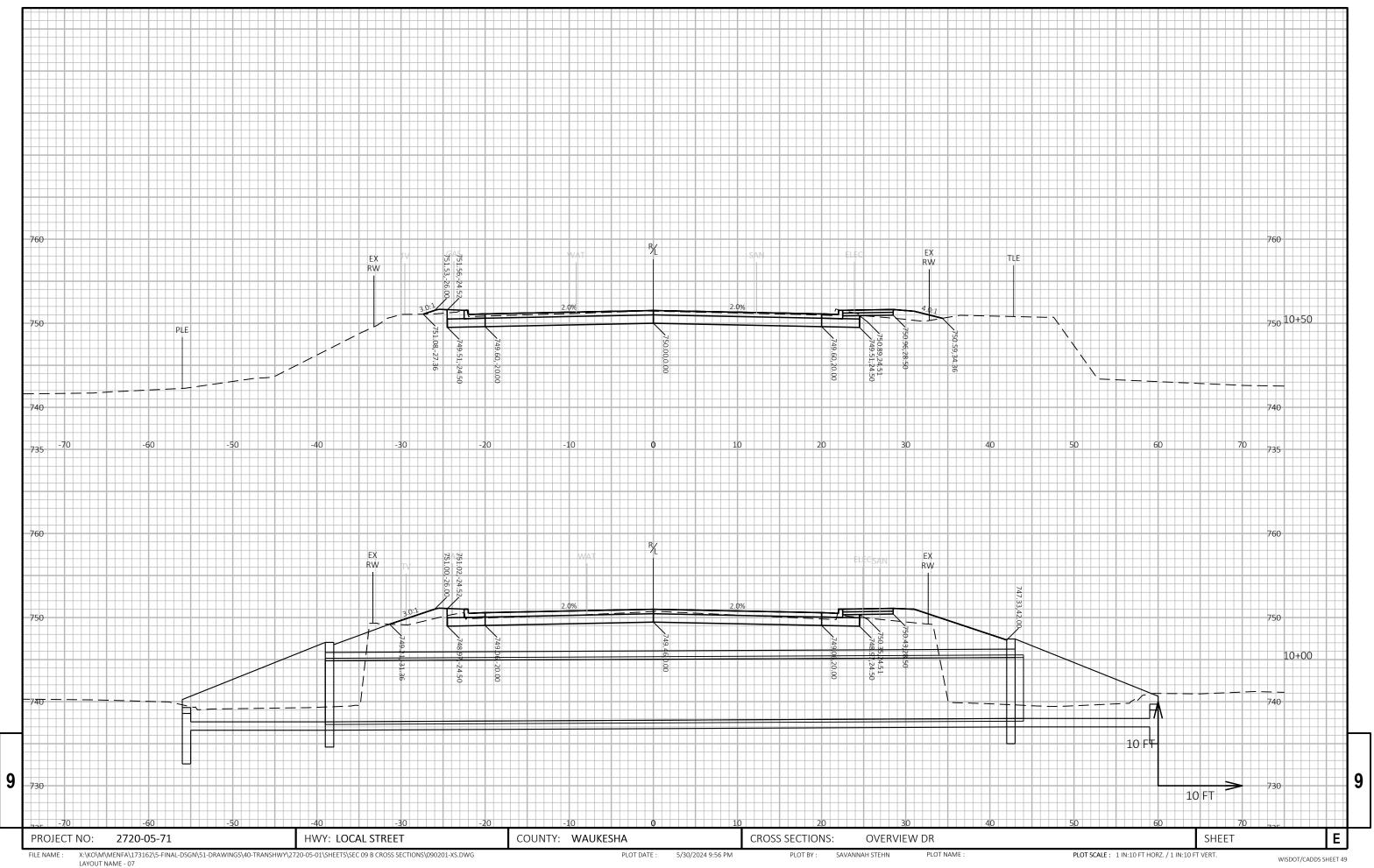
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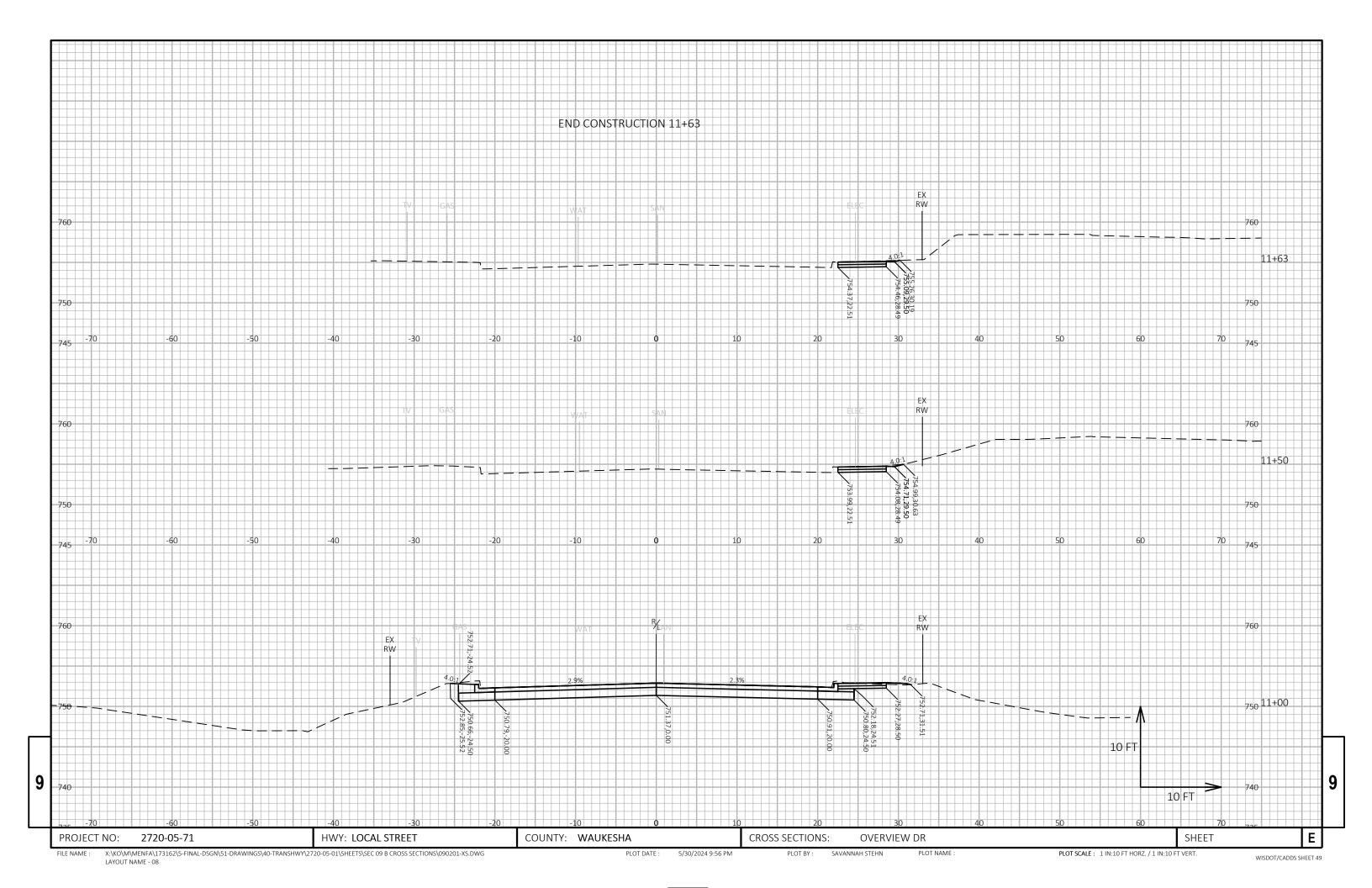
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PROJECT NO: 2720-05-71 COUNTY: WAUKESHA SHEET HWY: LOCAL STREET **EARTHWORK TABULATIONS** PLOT BY: SEH









Notes



Wisconsin Department of Transportation

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