FEDERAL PROJECT DEC 8, 2020 STATE PROJECT PROJECT CONTRACT STATE OF WISCONSIN ORDER OF SHEETS 3887-01-72 WISC 2021020 PROJECT | WITH: **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. PLAN OF PROPOSED IMPROVEMENT Right of Way Plat Section No. Plan and Profile Standard Detail Drawings Section No. **USH 151 - CTH A** Section No. 00 **%**7 Section No. Computer Earthwork Data **CORPORATE DR / FRANCES LANE INTERSECTION** Section No. Cross Sections **LOCAL STREET** TOTAL SHEETS = **DODGE COUNTY** ACCEPTED FOR **BEGIN PROJECT** CITY OF BEAVER DAM STA 112+60.74 STATE PROJECT NUMBER Y = 733789,757 X = 854647.8343887-01-72 R-14-E - R-15-E ORIGINAL PLANS PREPARED BY RD **HEMLOCK** Beaver DESIGN DESIGNATION A.A.D.T. (2016)A.A.D.T. (2041)= 4,520 E-26188 D.H.V. D.D. ⇒ N/A MADISON ≠ N/A MIND ONAL ENGLIS DESIGN SPEED = 35 MPH = N/A OLLINGER RD DODG **END PROJECT** CONVENTIONAL SYMBOLS STA 115+85.74 PROFILE PLAN Y = 733653,915 GRADE LINE CORPORATE LIMITS X = 854943.080 ORIGINAL GROUND PROPERTY LINE ROCK_ MARSH OR ROCK PROFILE LOT LINE (To be noted as such) PROSPECT LABEL LIMITED HIGHWAY EASEMENT SPECIAL DITCH EXISTING RIGHT OF WAY **GRADE ELEVATION** STATE OF WISCONSIN PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION CULVERT (Profile View) SLOPE INTERCEPT UTILITIES REPARED BY REFERENCE LINE ELECTRIC AYRES ASSOCIATES EXISTING CULVERT AYRES ASSOCIATES FIBER OPTIC Designe PROPOSED CULVERT GAS Regional Examine (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS LAYOUT STORM SEWER HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN TELEPHONE SCALE COORDINATE REFERENCE SYSTEM (WISCRS), DODGE COUNTY, APPROVED FOR THE DEPARTMENT WATER NAD83 (2011), IN U.S. SURVEY FEET, POSITIONS SHOWN ARE GRID 07/20/2020 MARSH AREA COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES UTILITY PEDESTAL TOTAL NET LENGTH OF CENTERLINE = ARE THE SAME AS GROUND DISTANCES, ELEVATIONS ARE REFERENCED (Signature) POWER POLE TO NAVD 88 (2012), GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A. WOODED OR SHRUB AREA PLOT NAME: MUENCH, DOUGLAS FILE NAME: C:\WORK FROM HOME\41083100 - GATEWAY DRIVE\C3D\SHEETSPLAN\3887-01-02_010101_TI.DWG PLOT DATE : 7/17/2020 10:58 AM

GENERAL NOTES

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

THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

TEMPORARY STORAGE OF ANY EXCAVATION EQUIPMENT OR MATERIALS WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS.

EROSION CONTROL FEATURES ARE SHOWN AT APPROXIMATE LOCATIONS. WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. REMOVAL OF ITEMS ARE INCIDENTAL TO THE RESPECTIVE EROSION CONTROL BID ITEM COSTS.

PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL BY THE ENGINEER. FINAL LIMITS OF FENCE REMOVAL TO BE DETERMINED BY THE ENGINEER.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS AND TRAFFIC CONTROL DEVICES SHOWN IN THE PLANS ARE APPROXIMATE. EXACT LOCATIONS ARE DETERMINED BY THE ENGINEER.

COVER ALL SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

AFTER PLACING CURB & GUTTER, ANY EXCESS CONCRETE PROTRUDING FROM THE BACK OF CURB LINE SHALL BE REMOVED BY THE CONTRACTOR BEFORE BACKFILLING.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A TRAFFIC LANE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

LAYOUT NAME - General Notes & utilities

ABBREVIATIONS

A.D.T. AVERAGE DAILY TRAFFIC

ATMS ARTERIAL TRAFFIC MANAGEMENT SYSTEM BENCHMARK BM

BOC BACK OF CURB BTWN BETWEEN

C&G **CURB AND GUTTER** COMMERCIAL ENTRANCE CE

CONST CONSTRUCTION CONTROL POINT CP CTR CENTER

D.E. DIRECTIONAL DISTRIBUTION D.H.V. **DESIGN HOURLY VOLUME** DYNAMIC MESSAGE SIGN DMS

EB EASTBOUND EXIST **EXISTING** GALV GALVANIZED HOT MIX ASPHALT НМА H.S. HIGH STRENGTH

INTELLIGENT TRAFFIC SYSTEM ITS

MAX MAXIMUM MIN MINIMUM NORTHBOUND NB NORMAL NOR

POINT OF CURVATURE PC PCC POINT OF COMMON CURVATURE

PGL PROFILE GRADE LINE POINT OF INTERSECTION PRC POINT OF REVERSE CURVATURE

POINT OF TANGENCY PT PVT **PAVEMENT** REFERENCE LINE R/L

REQ'D REQUIRED SOUTHBOUND SB SYM SYMMETRICAL CTR. PERCENT TRUCKS

TRAFFIC CONDITION CAMERA TCC

TYP TYPICAL VAR VARIABLE WB WESTBOUND WEIGHT X-WALK **CROSS WALK**

ORDER OF SECTION 2 SHEETS

Typical Sections

Construction Details

Paving Details

Existing Utilities

Signing and Pavement Marking

Lighting

Traffic Signals

Traffic Control and Construction Staging

UTILITY CONTACTS

Perry Boeck Alliant Energy - Gas/Petroleum 120 E. Maple Ave Beaver Dam, WI 53916 (920) 887-6061 PerryBoeck@alliantenergy.com

Nick Frase **Charter Communications** N3760 CTH DJ Juneau, WI 53039 (920) 304-6797 Nick.Frase@charter.com

Rob Minnema City of Beaver Dam - Water & Sewer 108 Myrtle Road Beaver Dam, WI 53916 (920) 887-4624 RMinnema@cityofbeaverdam.com

Dan Mulhern City of Beaver Dam - Storm, Street, & Lighting 640 S. Center Street Beaver Dam, WI 53916 (920) 382-9612 Dmulhern@cityofbeaverdam.com

PROJECT DESIGNER

AYRES ASSOCIATES ATTN: MATT BARR 5201 E. TERRACE DRIVE, SUITE 200 MADISON, WI 53718 (608) 443-1261 barrm@ayresassociates.com

WDNR LIASON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES ATTN: ERIC HEGGELUND 3911 FISH HATCHERY ROAD FITCHBURG, WI. 53711 (608) 275-3301 eric.heggelund@wisconsin.gov



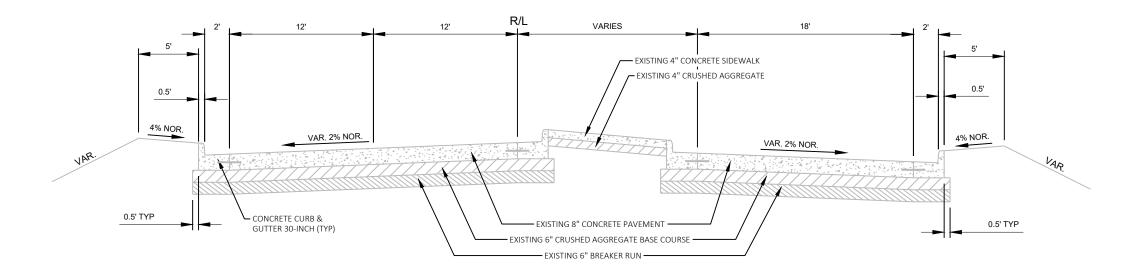
PROJECT NO: 3887-01-72 HWY: CORPORATE DR/FRANCES LA INTER COUNTY: DODGE **GENERAL NOTES & UTILITIES**

SHEET

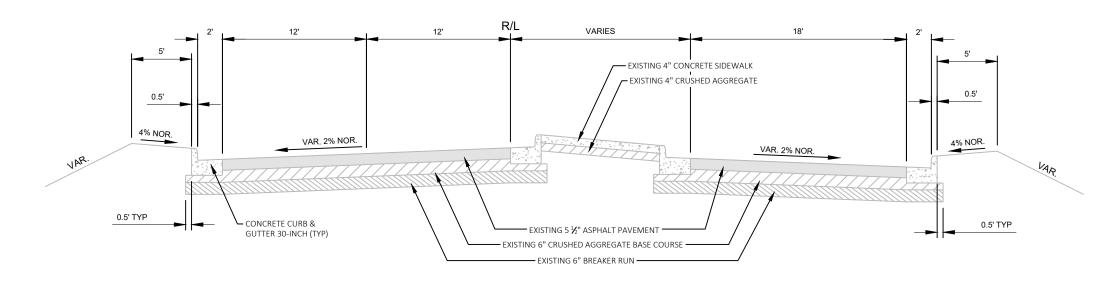
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WISDOT/CADDS SHEET 42

C:\WORK FROM HOME\41083100 - GATEWAY DRIVE\C3D\SHEETSPLAN\3887-01-02 020101 GN.DWG MUENCH, DOUGLAS PLOT DATE: 10/1/2020 2:54 PM PLOT NAME PLOT SCALE : 1 IN:50 FT



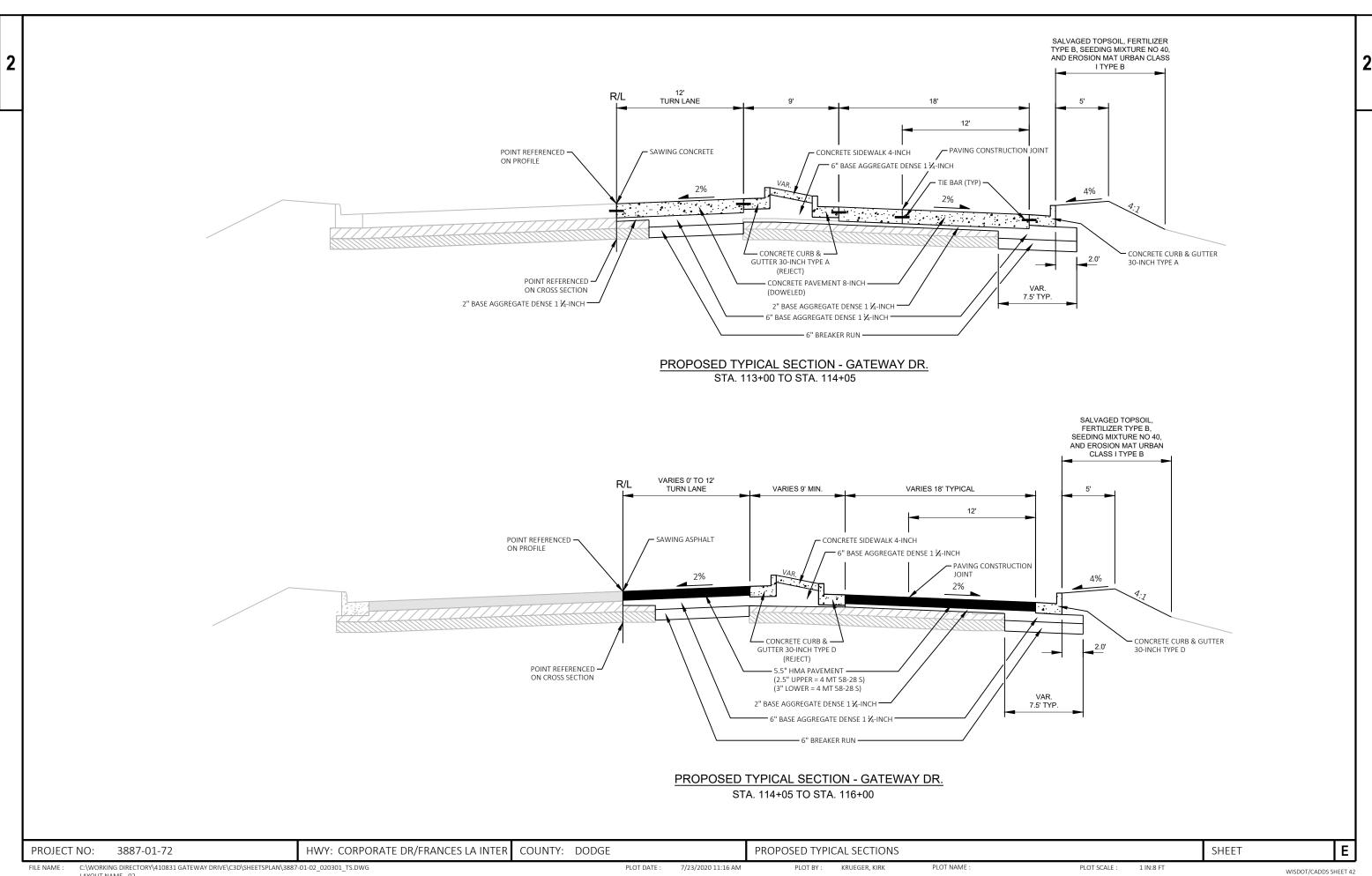
EXISTING TYPICAL SECTION - GATEWAY DR. STA. 113+00 TO STA. 114+05

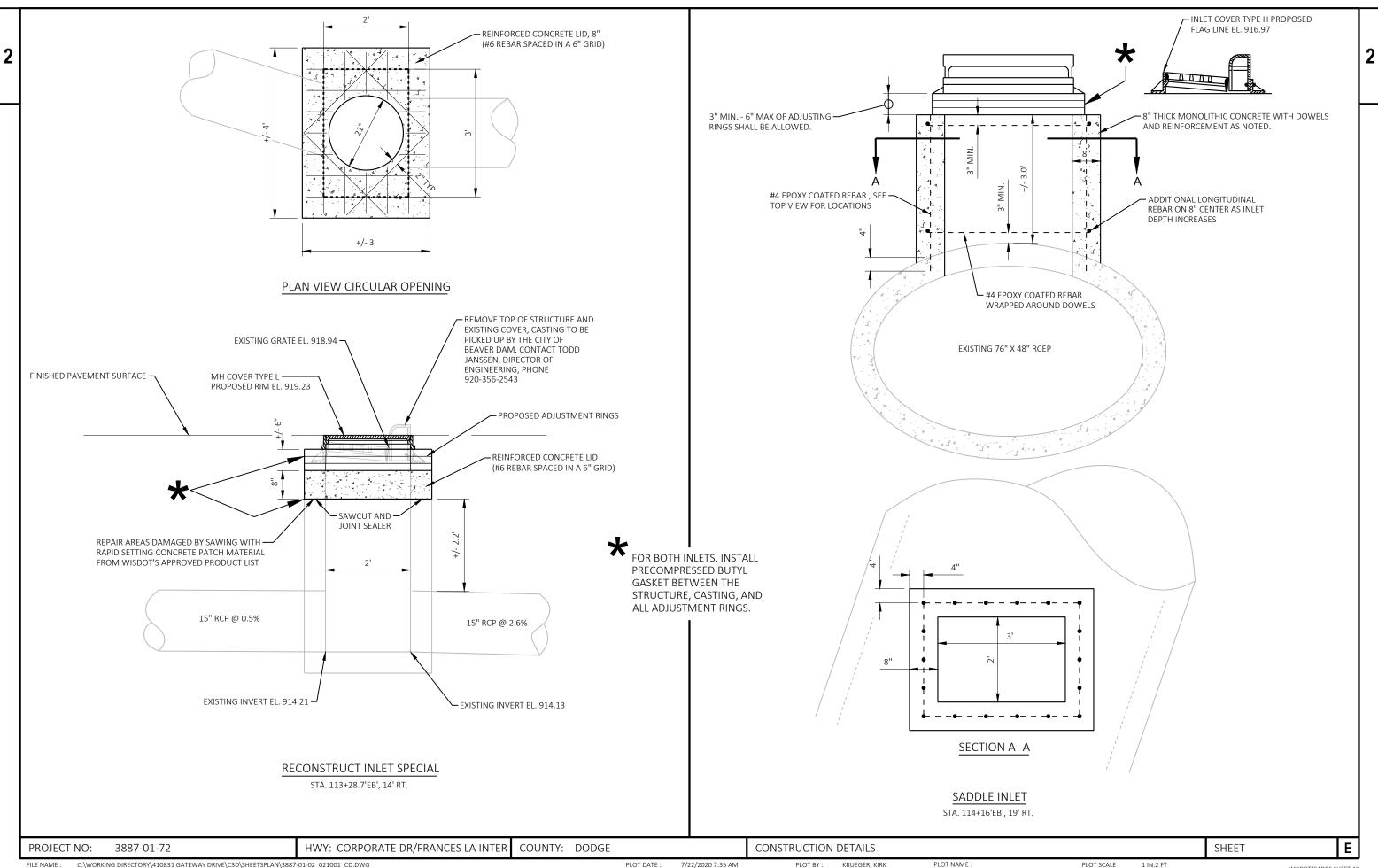


EXISTING TYPICAL SECTION - GATEWAY DR. STA. 114+05 TO STA. 116+00

Ε PROJECT NO: 3887-01-72 HWY: CORPORATE DR/FRANCES LA INTER COUNTY: DODGE **EXISTING TYPICAL SECTIONS** SHEET FILE NAME : C:\WORKING DIRECTORY\410831 GATEWAY DRIVE\C3D\SHEETSPLAN\3887-01-02_020301_TS.DWG PLOT DATE : PLOT BY: KRUEGER, KIRK PLOT NAME : PLOT SCALE : 1 IN:8 FT 7/23/2020 11:16 AM WISDOT/CADDS SHEET 42

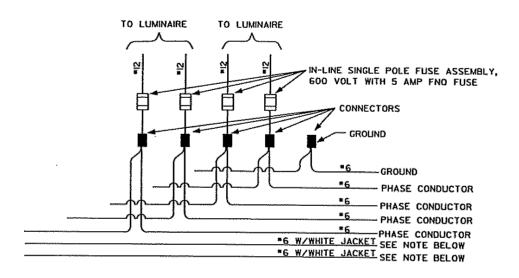
LAYOUT NAME - 01





WISDOT/CADDS SHEET 42

EXISTING SERVICE EQUIPMENT ONE LINE ELECTRICAL DIAGRAM



POLE WIRING DIAGRAM

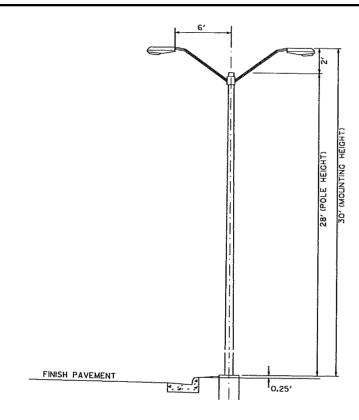
HWY: CORPORATE DR/FRANCES LA INTER

GENERAL NOTES

- STREET LIGHTING SYSTEM OPERATES ON 240 VOLTS.
- INSTALL IN-LINE FUSES FOR LIGHTS AT BOTTOM OF LIGHT POLES (INCIDENTAL TO LUMINAIRES)
- CONTRACTOR SHALL INSTALL ALL BURIED WIRE IN CONDUIT AS PER PLAN.
- EXISTING LUMINAIRES ARE 240 VOLT-250 WATT.

COUNTY: DODGE

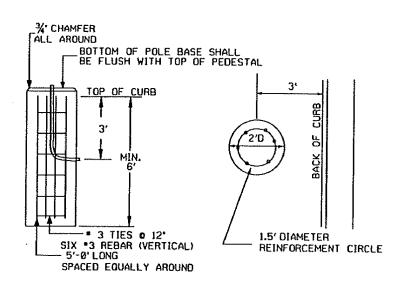
INSTALL ONE #6 CONDUCTOR WITH WHITE JACKET FOR EACH CIRCUIT. THE CITY WANTS THIS CONDUCTOR FOR FUTURE USE IF THE CIRCUIT GETS RECONFIGURED FOR 120 VOLTS.



EXISTING LIGHT UNIT NOT TO SCALE

NOTES:

- I.) INSTALL AND SIZE CONDUIT IN ACCORDANCE TO N.E.C. SIZE SHALL ALLOW FOR FUTURE ADDITIONAL CONDUCTOR. MINIMUM CONDUIT SIZE SHALL BE 1½ - INCH.
- 2.) INSTALL LIGHTING CONDUITS PARALLEL TO CURB AND 1' +/- BEHIND THE BACK -OF -CURB.
- 3.) ANCHOR BOLT PATTERN AS PER POLE MANUFACTURER.
- 4.) CONCRETE FOR POLE BASE SHALL BE 6 BAG MIX.
- 5.) EACH POLE SHALL INCLUDE A 5/8' X 8' LONG COPPERWELD GROUND ROD WITH A #6 WIRE BONDED TO THE POLE BASE AND GROUND CONDUCTORS.



LIGHTING UNIT CONCRETE BASE

NOT TO SCALE

FILE NAME : C:\WORKING DIRECTORY\410831 GATEWAY DRIVE\C3D\SHEETSPLAN\3887-01-02 021002 CD.DWG

3887-01-72

PROJECT NO:

PLOT NAME :

PLOT SCALE :

SHEET

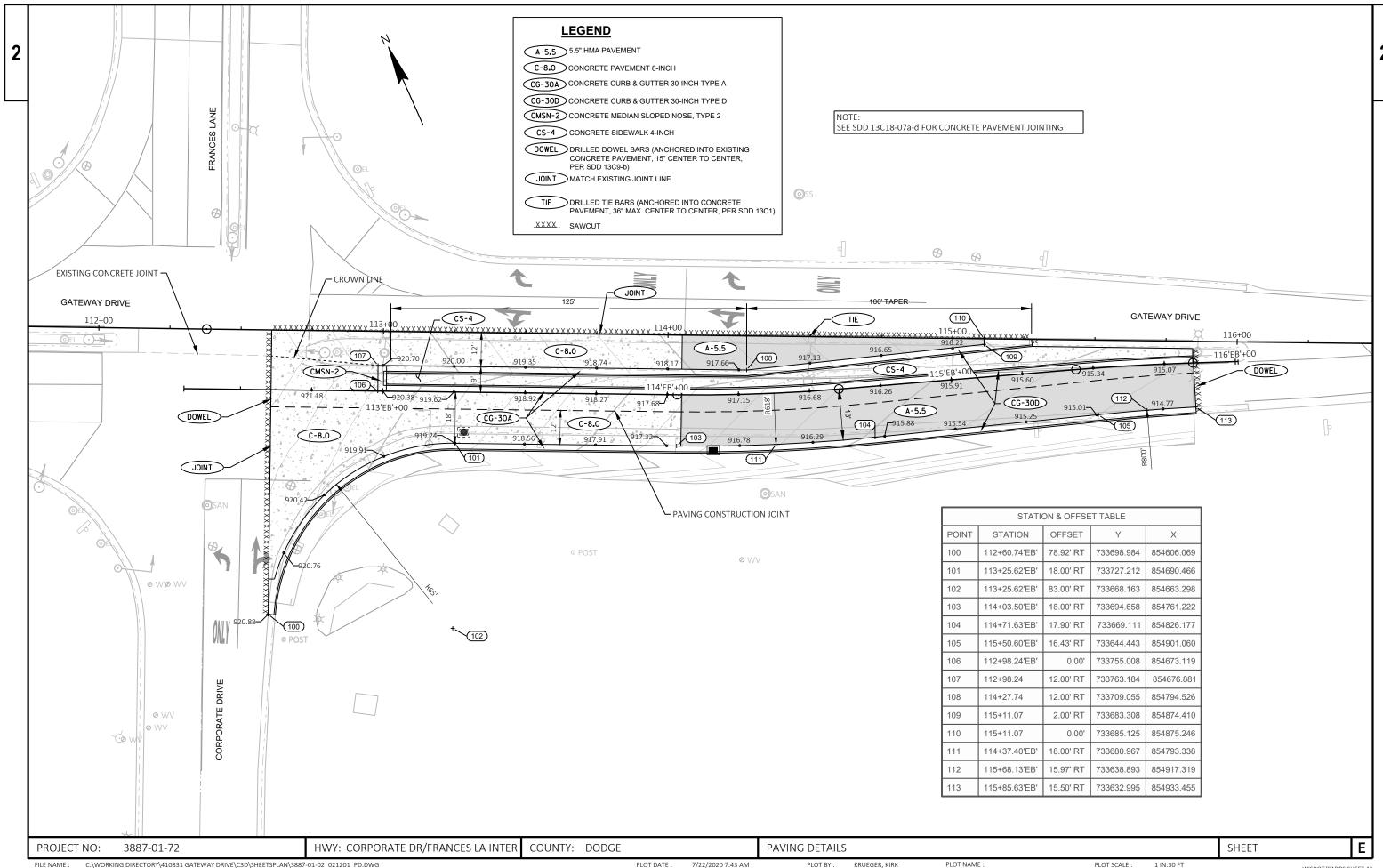
WISDOT/CADDS SHEET 42

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PLOT DATE : 7/23/2020 11:48 AM PLOT BY: KRUEGER, KIRK

CONSTRUCTION DETAILS

1 IN:10 FT



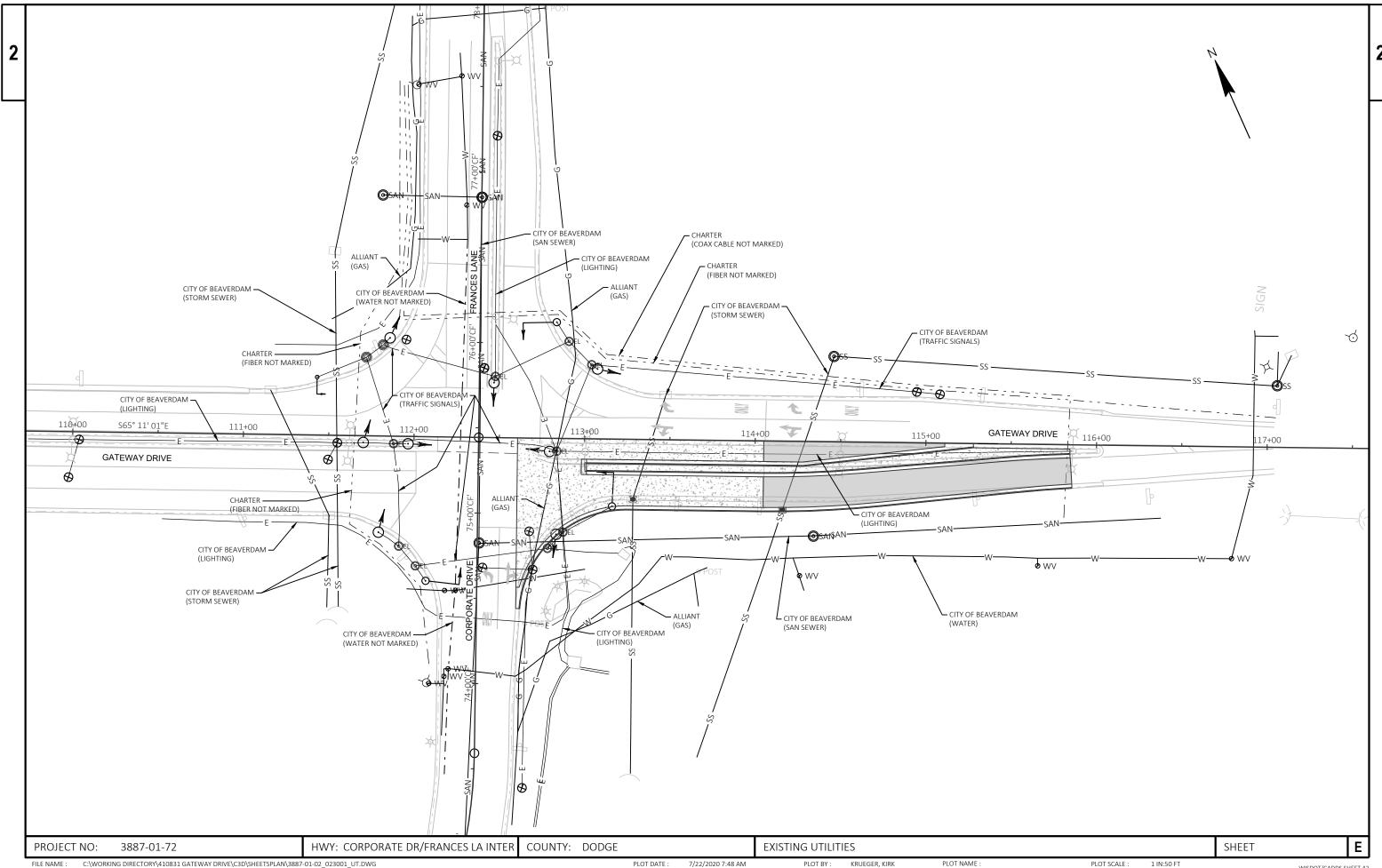
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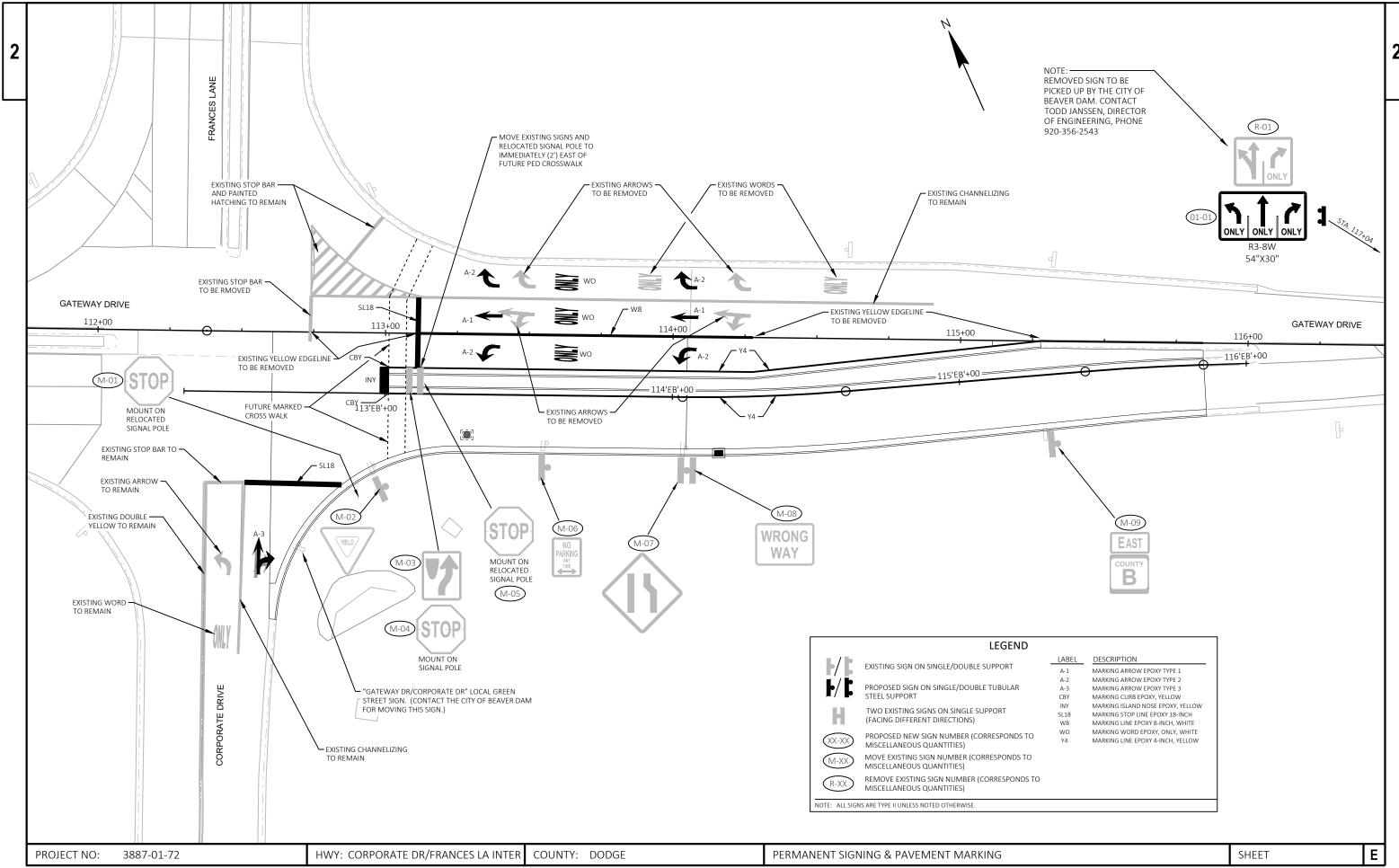
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PLOT NAME

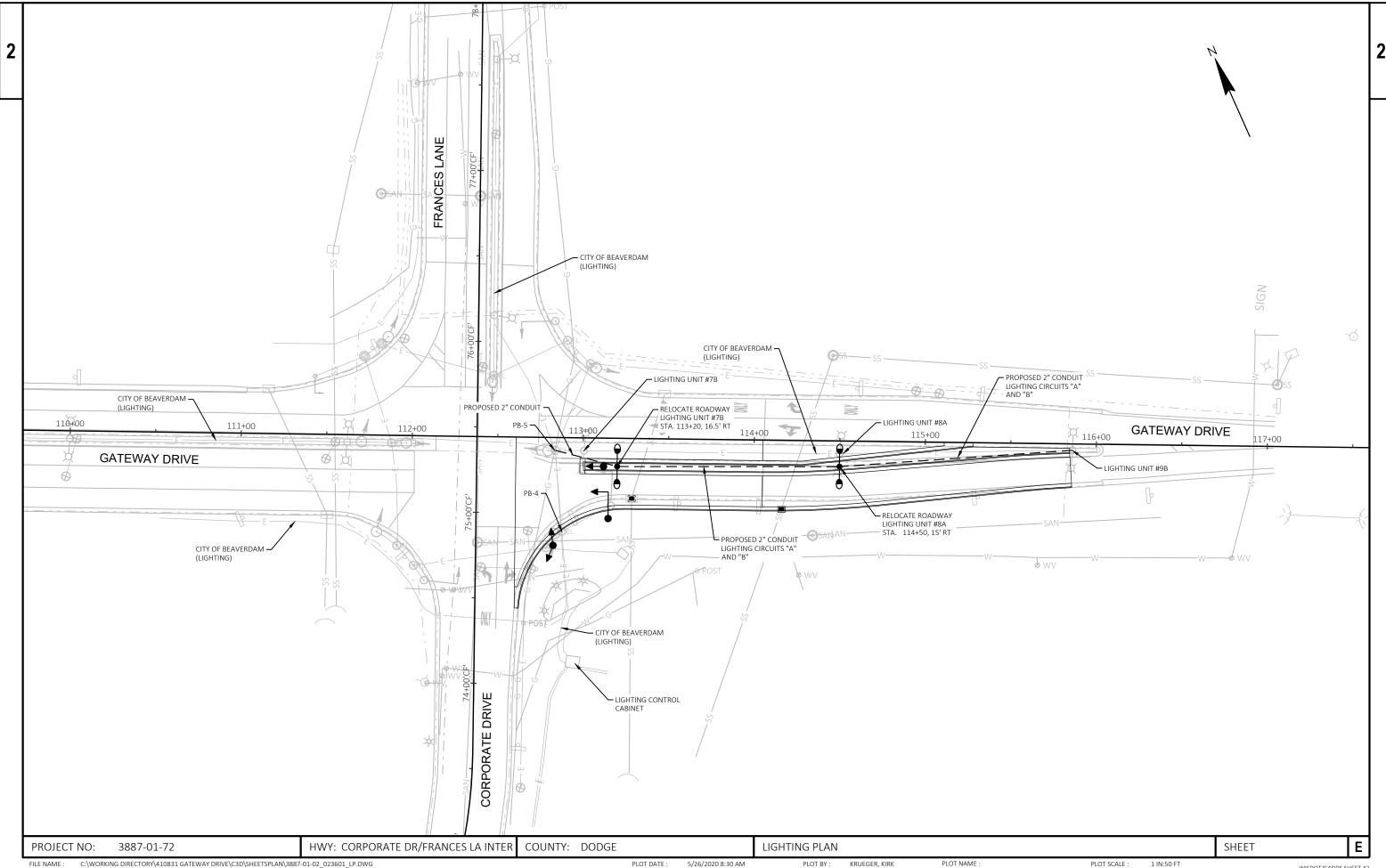
PLOT SCALE : 1 IN:30 FT

WISDOT/CADDS SHEET 42



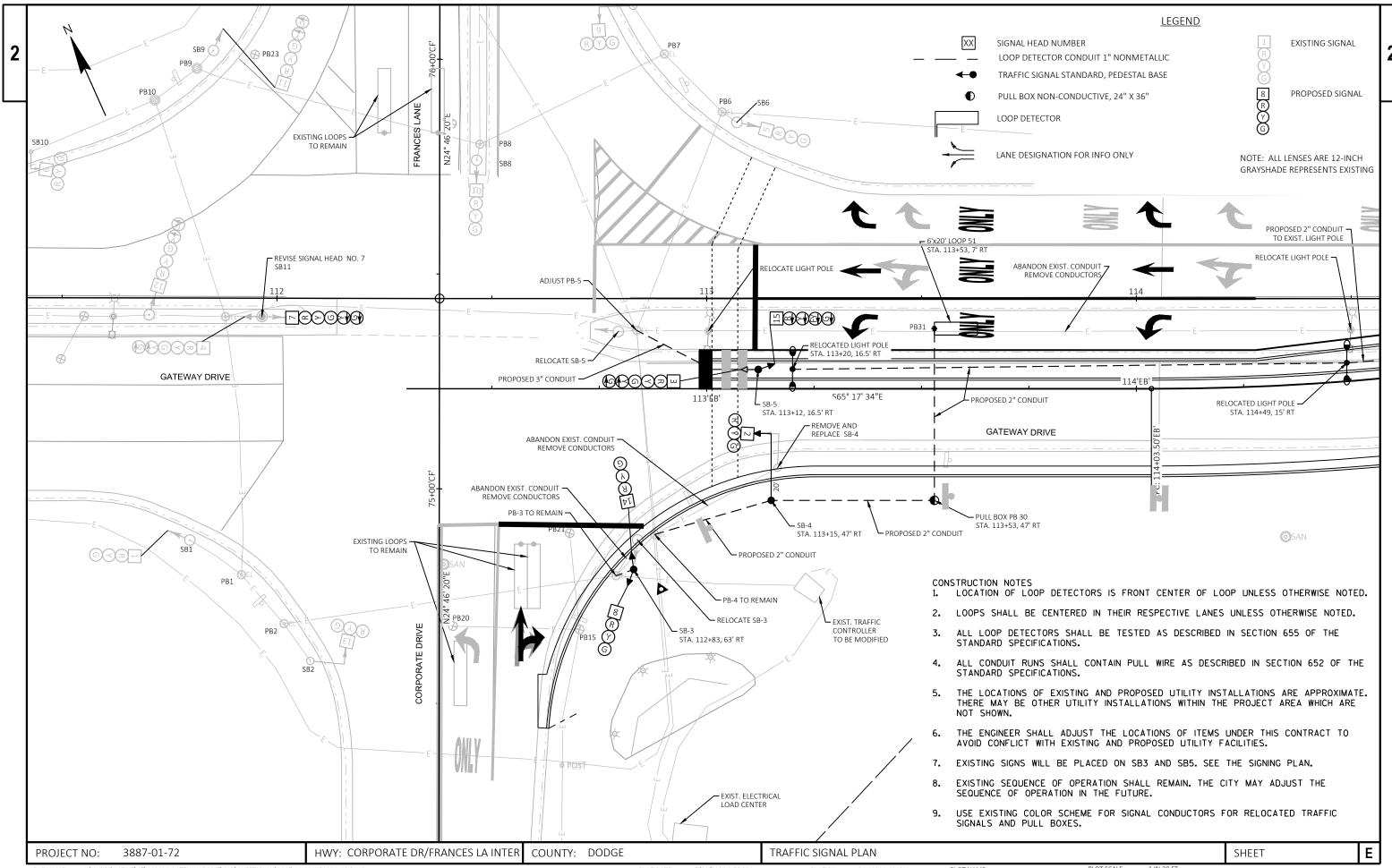


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LAYOUT NAME - LP_01

WISDOT/CADDS SHEET 42



EXISTING CABLE ROUTING

CABLE RUN	CABLE	HEAD	MOVEMENT	LENS	CONDUCTOR
CAR TO CRA	F/C	NUMBER	- FD		COLOR
CAB TO SB1	5/C	1	EB	R Y	R
				G Y	0 G
CARTOSPA	5/C	13	CD		
CAB TO SB2	5/C	13	SB	R	R
				Y (0
CAR TO CR2	12/6	_	- FD	G	G
CAB TO SB3	12/C	2	EB	R	R
				Y	0
			115	G	G
		8	NB	R	R / BLK
				Y	O / BLK
				G	G/BLK
		14	SB	R	BLK
				Y	W / BLK
				G	BLU
SB3 TO SB4	5/C	2	EB	R	R
				Υ	0
				G	G
CAB TO SB5	7/C	3	EB	R	R
				Υ	0
				G	G
				<- Y	O /BLK
				<-G	G / BLK
CAB TO SB6	7/C	9	NB	R	R
				Υ	0
				G	G
		5	WB	R	R / BLK
				Υ	O / BLK
				G	G / BLK
SB6 TO SB7	5/C	9	NB	R	R
				Υ	0
				G	G
CAB TO SB8	5/C	10	NB	R	R
				Υ	0
				G	G
CAB TO SB9	9/C	6	WB	R	R
				Υ	0
				G	G
		11	SB	R	R / BLK
				Υ	O / BLK
				G	G / BLK
				Y ->	BLK
				G->	BLU
SB9 TO SB10	5/C	6	WB	R	R
	-, =		_	Y	0
				G	G
CAB TO SB11	9/C	7	WB	R	R
	-, -			Y	0
				G	G
		4	EB	R	R / BLK
		'	-5	Y	O / BLK
				G	G / BLK
				<-Y	BLK
				<-G	BLU
CAB TO SB12	7/C	12	SB	R	R
CMD 10 3B12	1/0	**	36	Y	0
				G	G
				Y->	BLK
				1~/	i DEN
				G->	BLU

PROPOSED CABLE ROUTING

CABLE RUN	CABLE	HEAD	MOVEMENT	LENS	CONDUCTOR
		NUMBER			COLOR
CAB TO SB1	5/C	1	EB	R	R
				Υ	0
				G	G
CAB TO SB2	5/C	13	SB	R	R
				Y	0
		_		G	G
CAB TO SB3	12/C	2	EB	R	R
				Y	0
				G	G
		8	NB	R	R / BLK
				Y	O / BLK
		1.4	CD	G	G / BLK
		14	SB	R Y	BLK W / BLK
				G	W / BLK BLU
CD2 TO CD4	E/C	2	EB	R	R R
SB3 TO SB4	5/C	2	ED	Y	0
				G	G
CAB TO SB5	12/C	3	EB	R	R
CAD 10 303	12/0	3	ED	Y	<u>к</u> О
				G	G
				<- Y	O /BLK
				<-G	G / BLK
		15	WB	<-R	R / BLK
		13	•••	<-Y	W / BLK
				<-FY	BLU /BLK
				<-G	BLU
CAB TO SB6	7/C	9	NB	R	R
CAD TO SBO	","	3	ND	Y	0
				G	G
		5	WB	R	R / BLK
			***5	Y	O / BLK
				G	G / BLK
SB6 TO SB7	5/C	9	NB	R	R
	","			Y	0
				G	G
CAB TO SB8	5/C	10	NB	R	R
	',			Υ	0
				G	G
CAB TO SB9	9/C	6	WB	R	R
	,			Υ	0
				G	G
		11	SB	R	R / BLK
				Υ	O / BLK
				G	G / BLK
				Y ->	BLK
				G->	BLU
SB9 TO SB10	5/C	6	WB	R	R
				Y	0
				G	G
CAB TO SB11	9/C	7	WB	<-R	R
				<-Y	0
				<-FY	BLU /BLK
				<-G	G
		4	EB	R	R / BLK
				Υ	O / BLK
				G	G / BLK
				<-Y	BLK
				<-G	BLU
CAB TO SB12	7/C	12	SB	R	R
				Υ	0
				G	G
				G Y->	G BLK

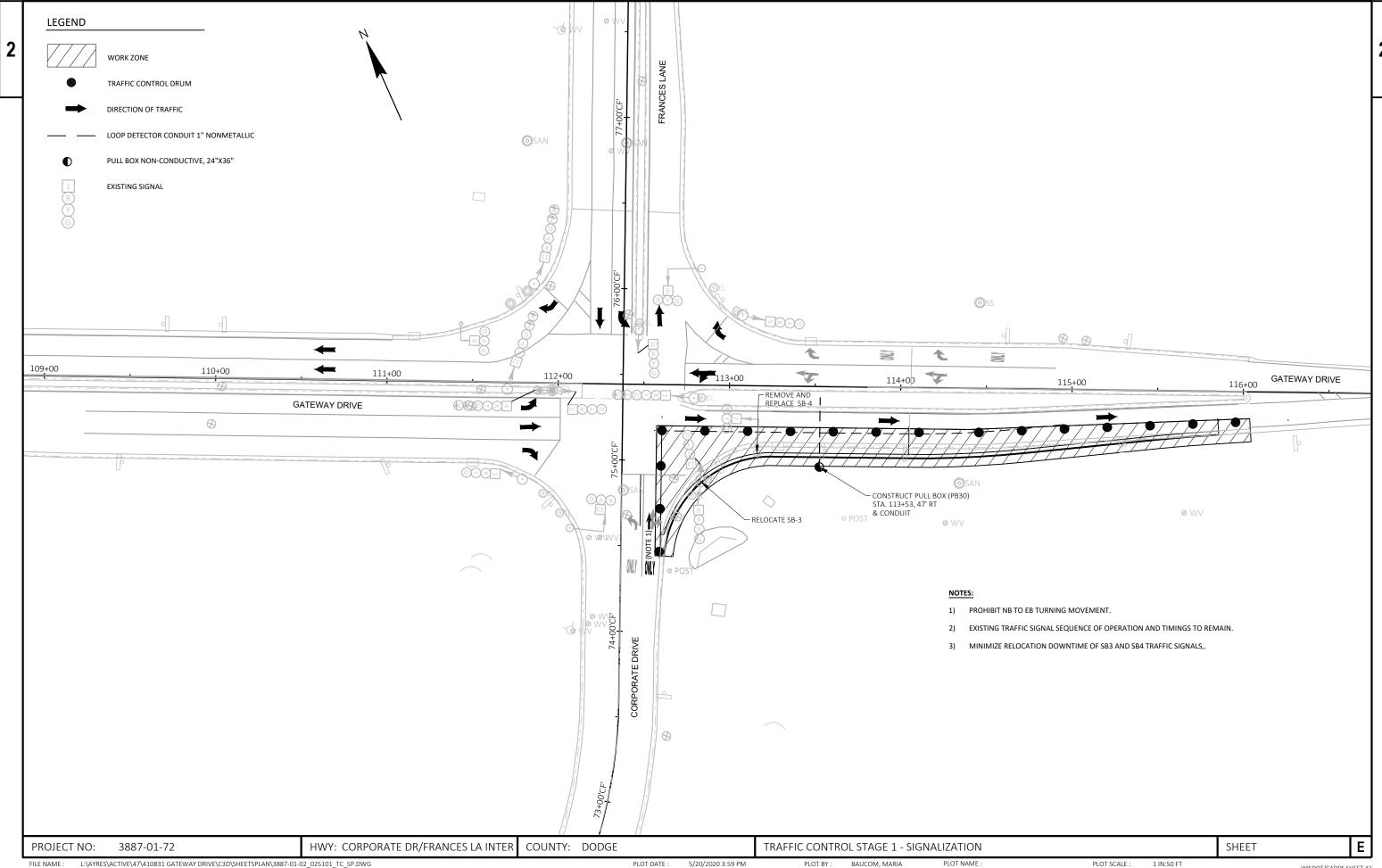
CONSTRUCTION NOTES:

- 1. VERIFY EXISTING SIGNAL CABLE SIZES AND COLORS TO EACH SIGNAL HEAD
- 2. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE EXISTING CONDITIONS
- 3. REPLACE THE EXISTING 7/C SIGNAL CABLE BETWEEN THE CABINET AND SB5 WITH A 12/C DUE TO THE ADDITION OF SIGNAL HEAD 15
- 4. CHANGE SIGNAL HEAD 7 FROM A 3-SECTION SOLID BALL SIGNAL TO A 4-SECTION LEFT ARROW SIGNAL. 9/C CABLE CAN REMAIN. USE BLU/BLK CONDUCTOR FOR FLASHING YELLOW ARROW

EXISTING									
EQUIPMENT GROUNDING CONDUCTOR									
NO. 10 AWG, XLP (STRANDED)									
FROM	FROM TO								
SB1	-	PB1							
SB2	-	PB2							
SB3	-	PB3							
SB4	-	PB4							
SB5	-	PB5							
SB6	-	PB6							
SB7	-	PB7							
SB8	-	PB8							
SB9	-	PB9							
SB10	-	PB10							
SB11	-	PB11							
SB12	-	PB12							

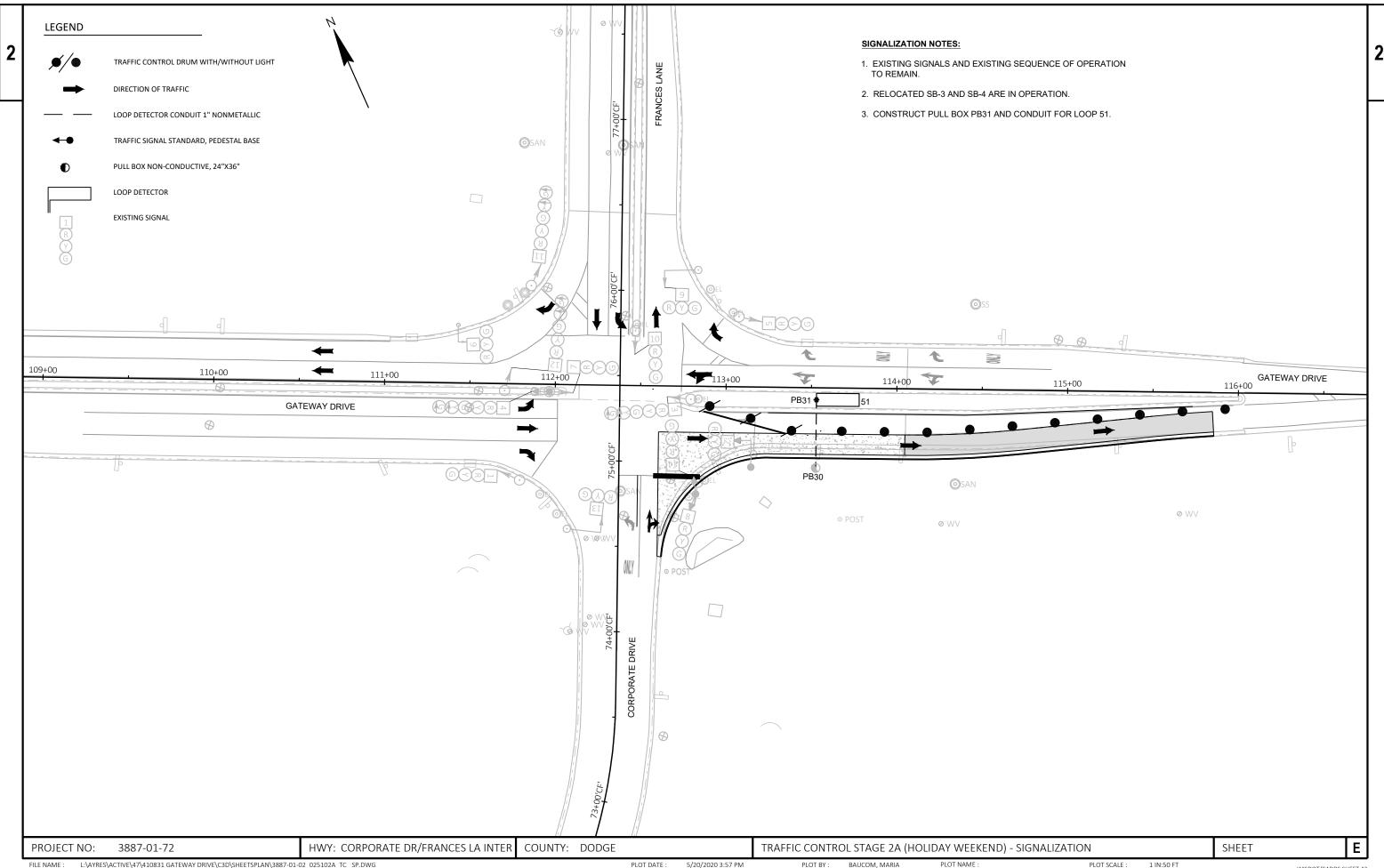
EXISTING										
GROUNDED CONDUCTOR										
NO. 10 AWG, XLP (STRANDED)										
FROM TO										
CAB	-	SB2								
SB2	-	SB3								
SB3	-	SB4								
SB4	-	SB5								
SB5	-	SB6								
SB6	-	SB7								
SB7	-	SB8								
SB8	-	SB9								
SB9	-	SB10								
SB10	-	SB11								
SB11	-	SB12								
SB12	SB12 - SB1									
SB1	-	CAB								

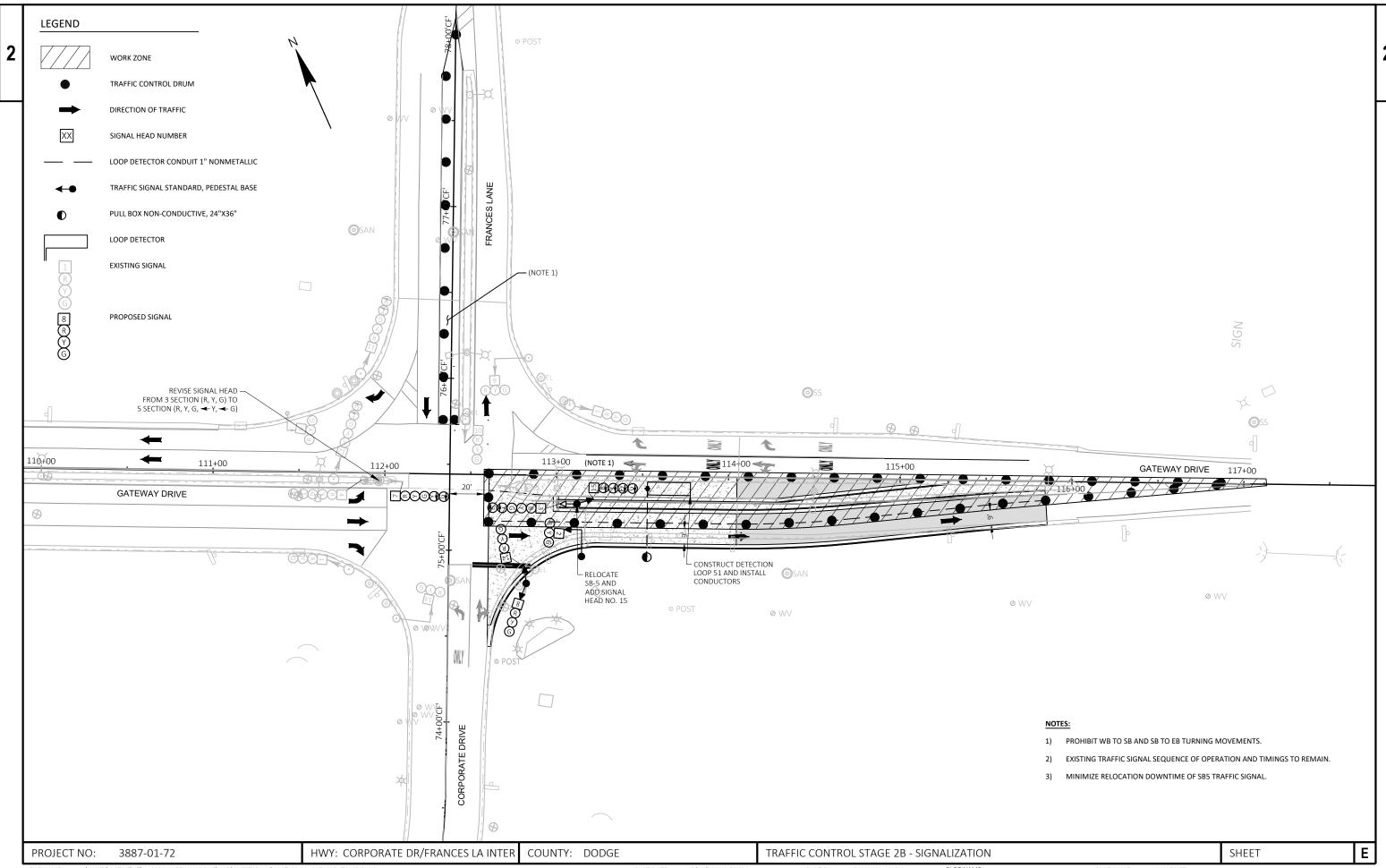
PROJECT NO: 3887-01-72 HWY: CORPORATE DR/FRANCES LA INTER COUNTY: DODGE CABLE ROUTING SHEET SHEET SHEET NO:



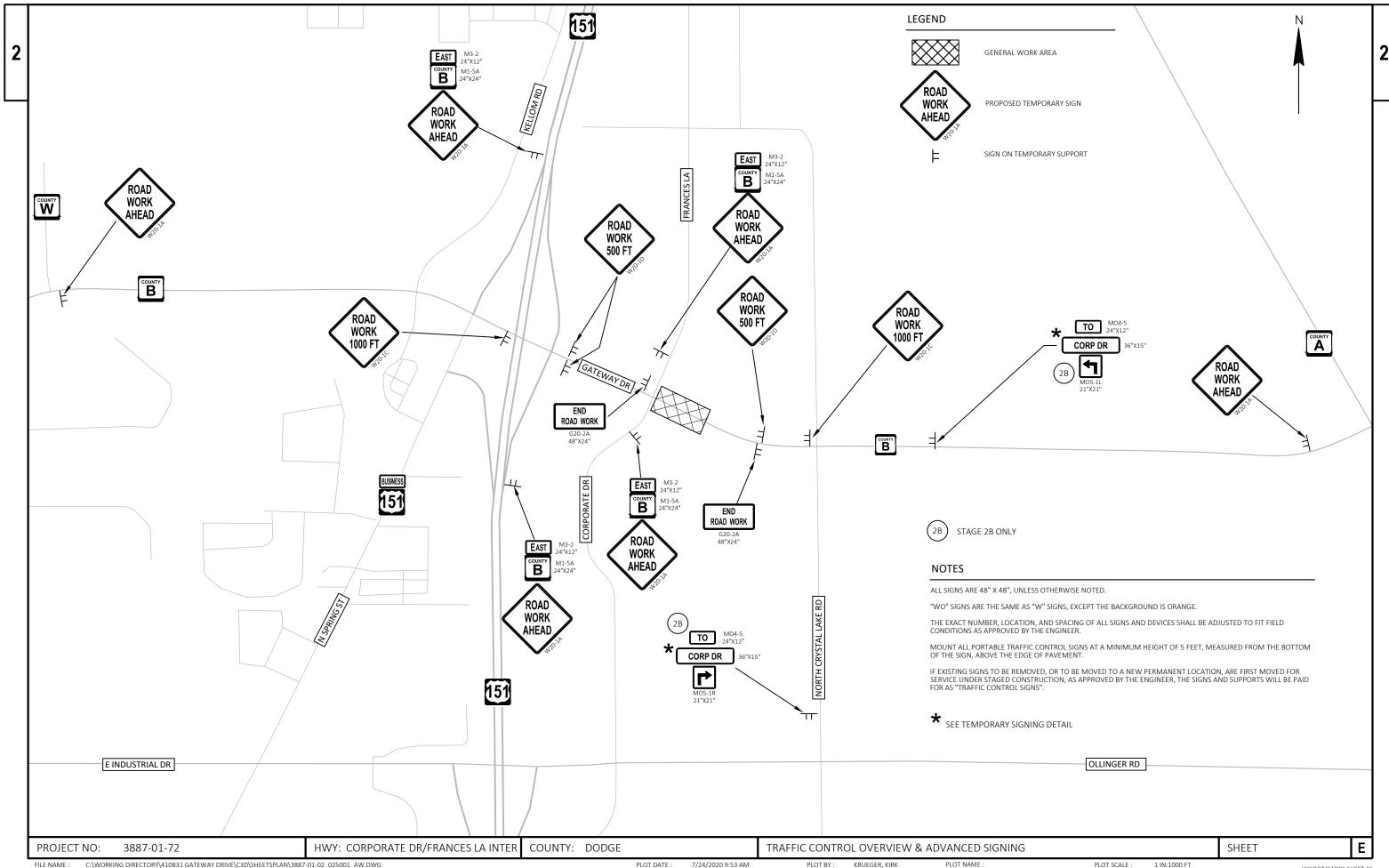
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WISDOT/CADDS SHEET 42

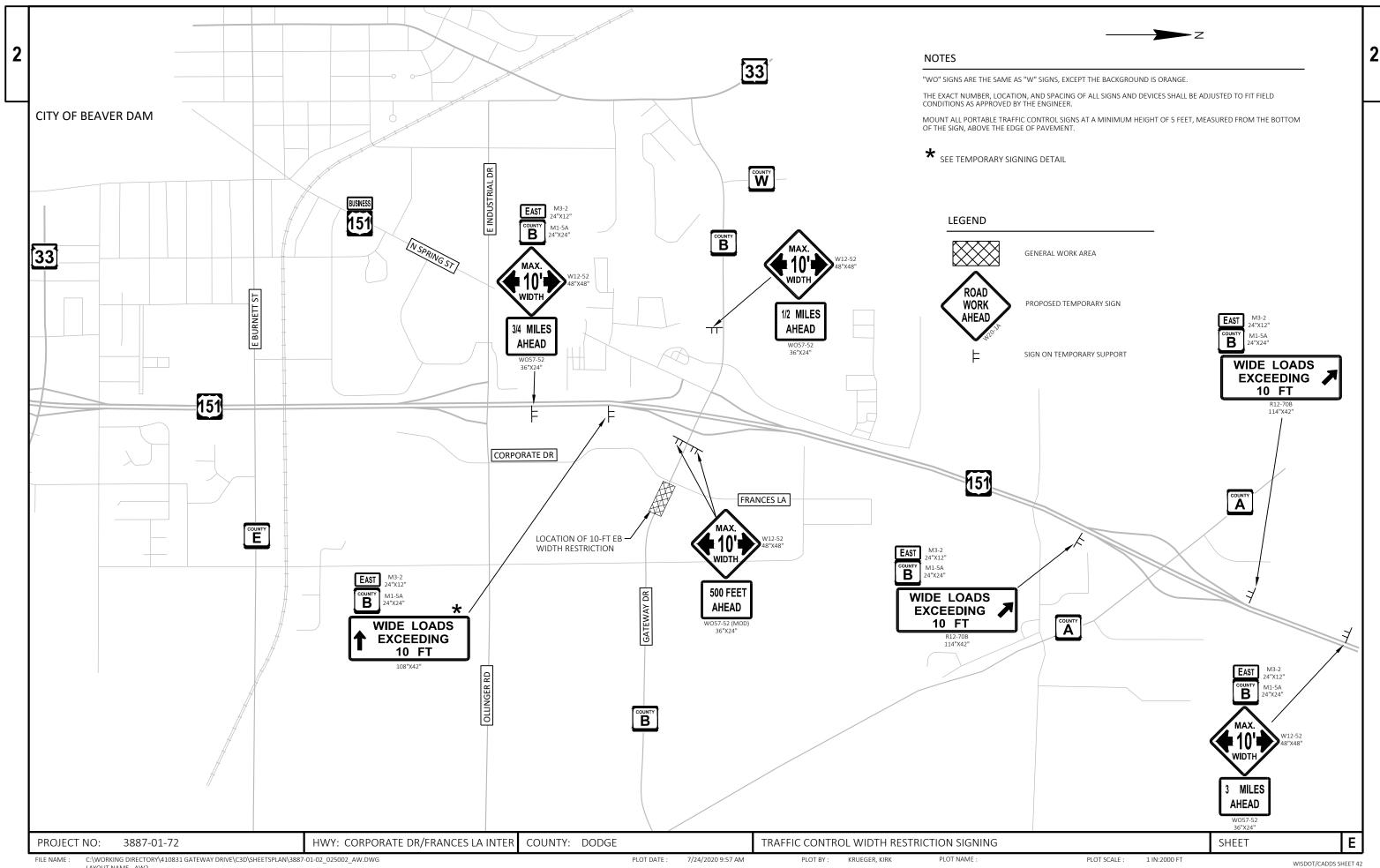


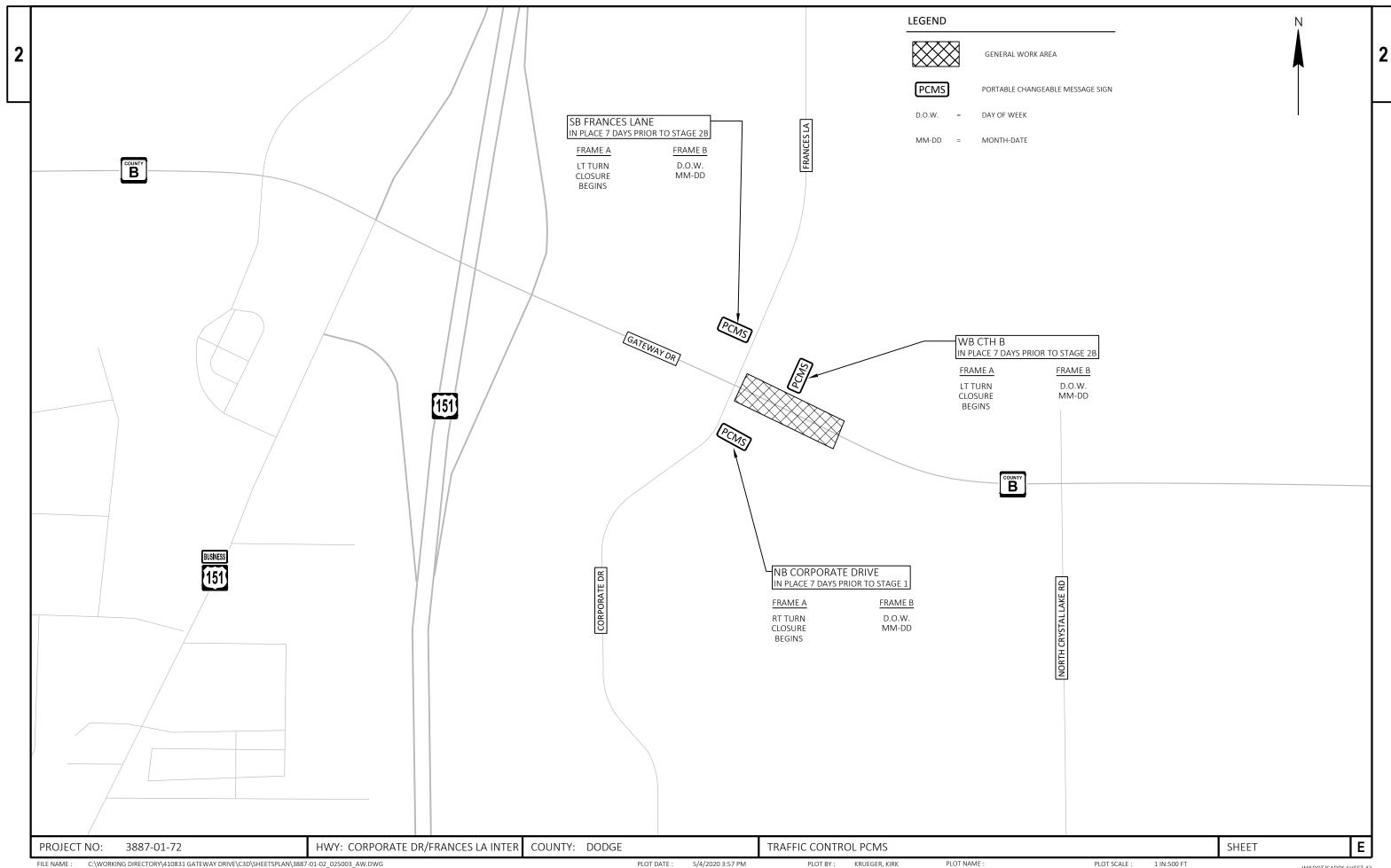


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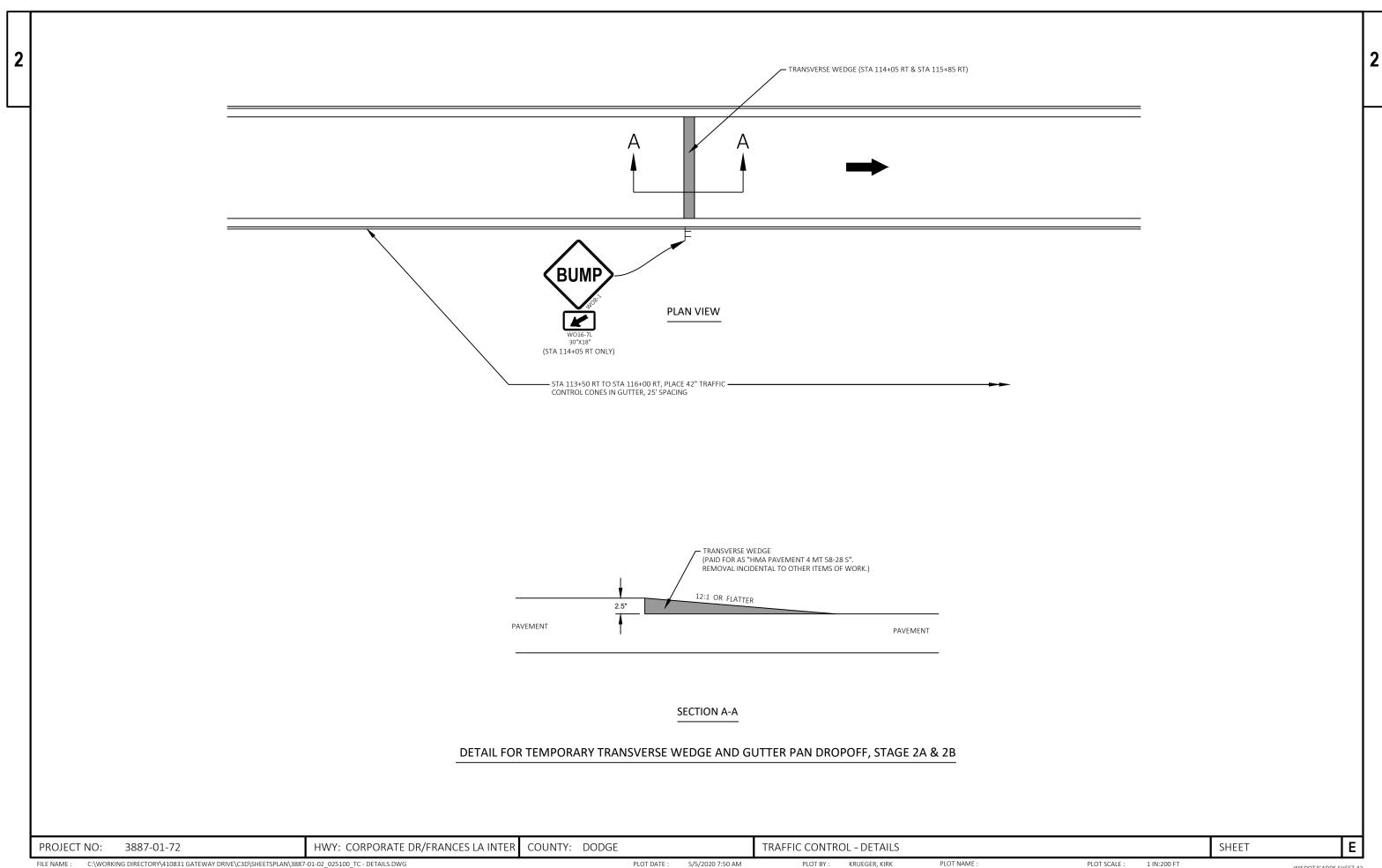
KRUEGER, KIRK PLOT NAME : C:\WORKING DIRECTORY\410831 GATEWAY DRIVE\C3D\SHEETSPLAN\3887-01-02_025001_AW.DWG PLOT DATE : 7/24/2020 9:53 AM PLOT BY: PLOT SCALE : 1 IN:1000 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - AW1

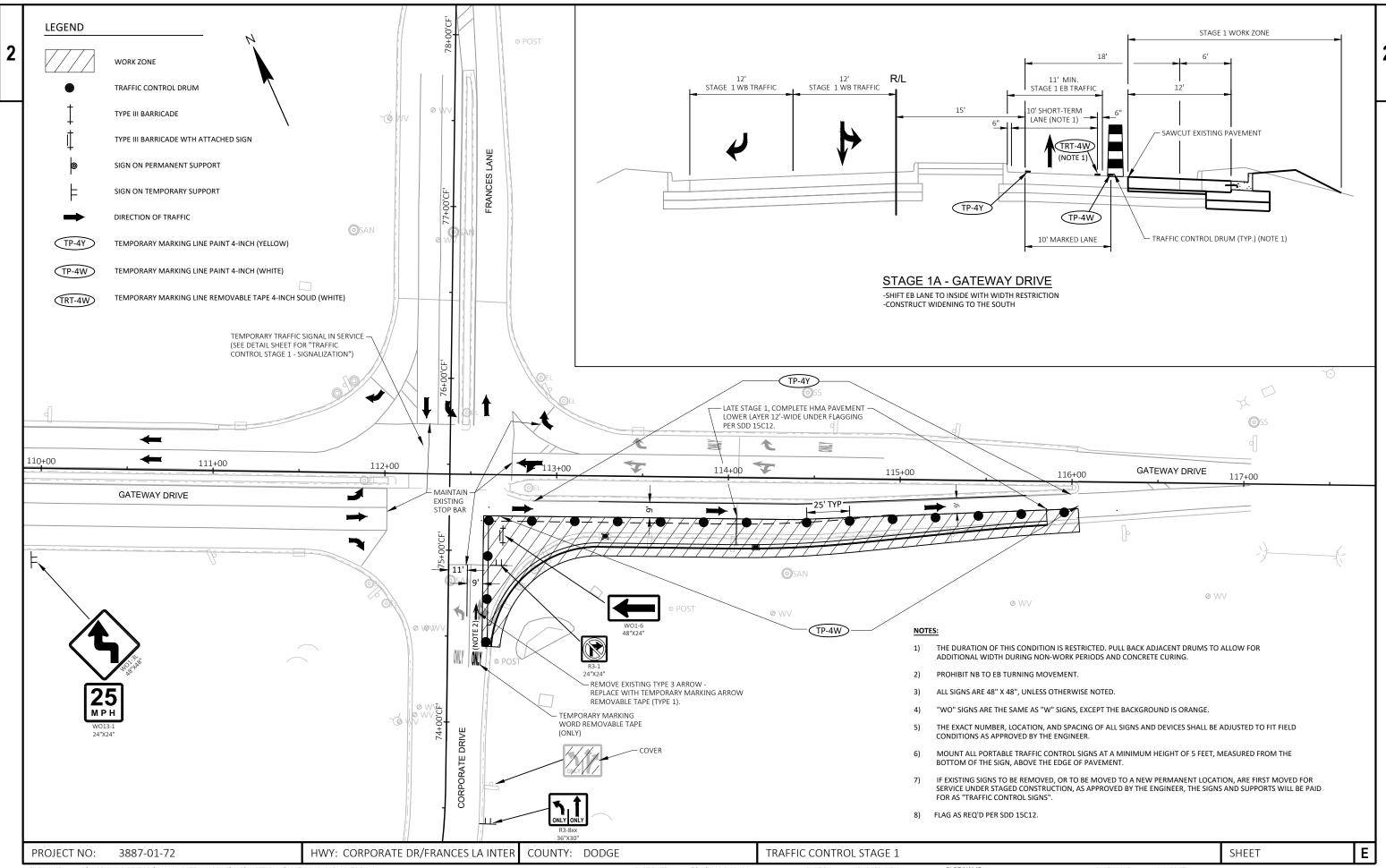


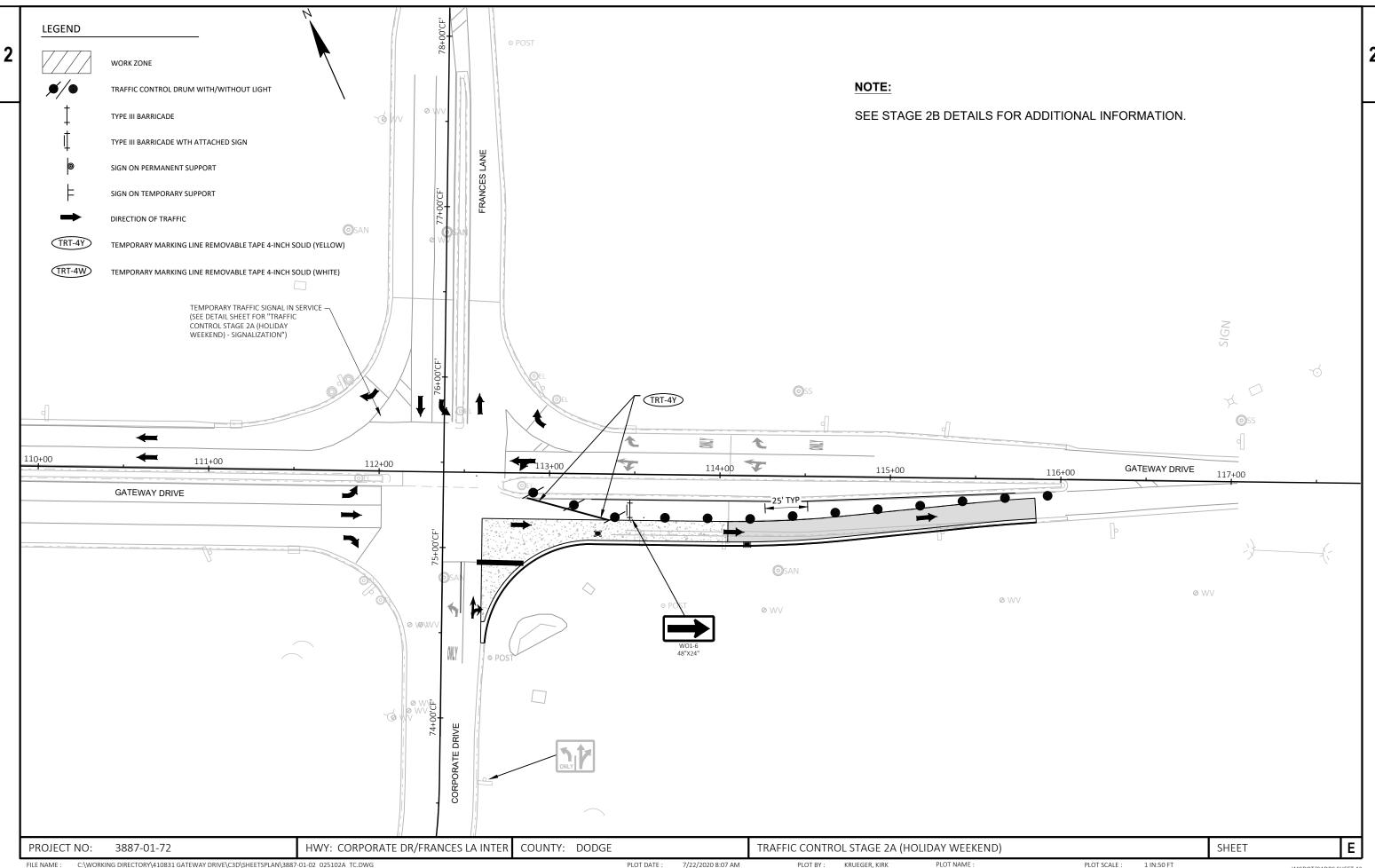


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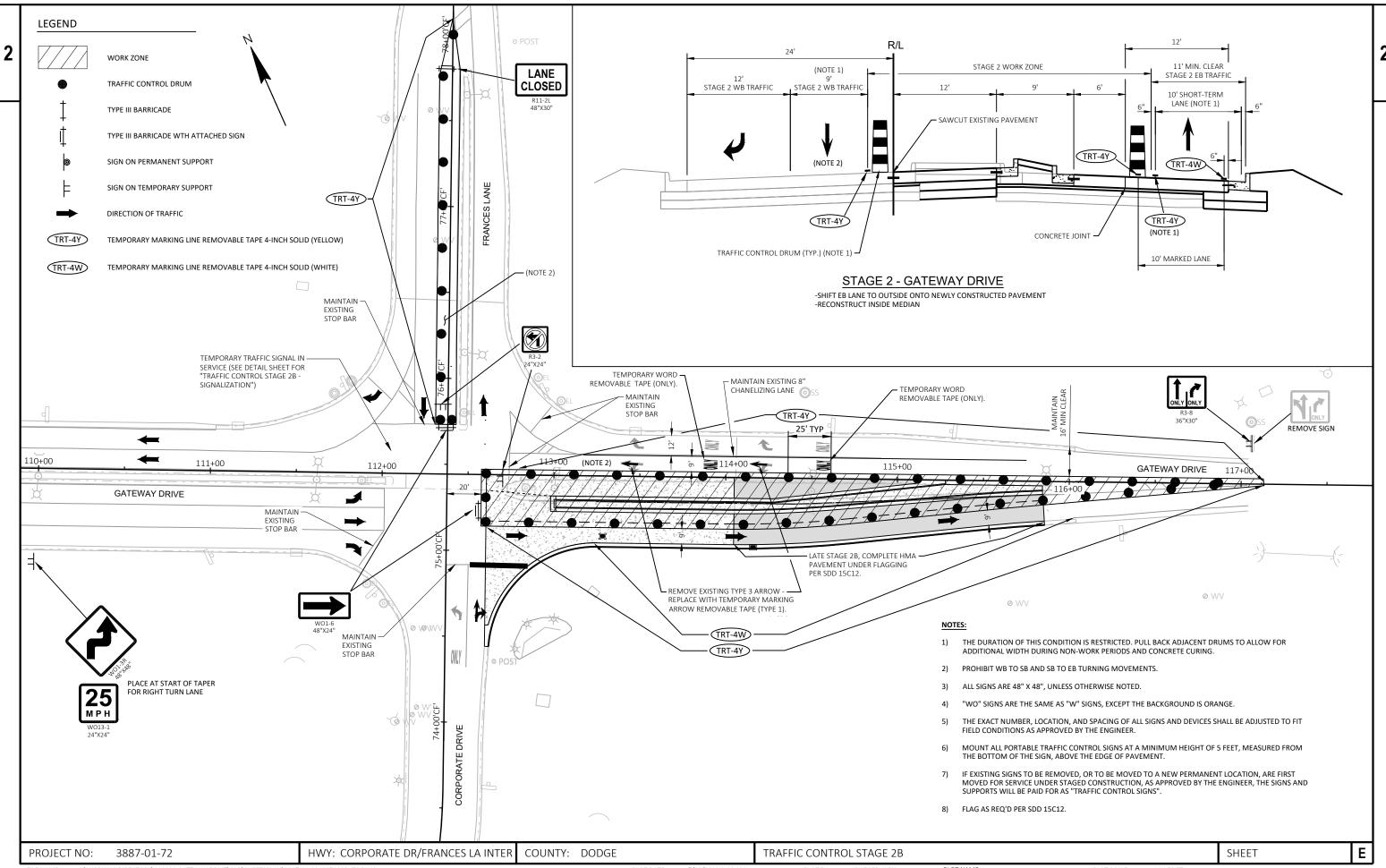
PLOT SCALE :







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WISDOT/CADDS SHEET 42

3887-01-72

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	500.000	500.000
0004	204.0150	Removing Curb & Gutter	LF	418.000	418.000
0006	204.0155	Removing Concrete Sidewalk	SY	270.000	270.000
8000	204.0195	Removing Concrete Bases	EACH	3.000	3.000
0010	205.0100	Excavation Common	CY	805.000	805.000
0012	213.0100	Finishing Roadway (project) 01. 3887-01-72	EACH	1.000	1.000
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	484.000	484.000
0016	311.0110	Breaker Run	TON	675.000	675.000
0018	415.0080	Concrete Pavement 8-Inch	SY	621.000	621.000
0020	415.5110.S		LS	1.000	1.000
0022	416.0610	Drilled Tie Bars	EACH	66.000	66.000
0024	416.0620	Drilled Dowel Bars	EACH	36.000	36.000
0024	455.0605	Tack Coat	GAL	31.000	31.000
0028	460.2000	Incentive Density HMA Pavement	DOL	90.000	90.000
0020	460.6224	HMA Pavement 4 MT 58-28 S	TON	137.000	137.000
0030	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	378.000	378.000
0032	601.0409	• •	LF	484.000	484.000
		Concrete Curb & Gutter 30-Inch Type D	SF		
0036	602.0405	Concrete Sidewalk 4-Inch		1,285.000	1,285.000
0038	611.0545	Manhole Covers Type L	EACH	1.000	1.000
0040	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0042	619.1000	Mobilization	EACH	1.000	1.000
0044	620.0300	Concrete Median Sloped Nose	SF	27.000	27.000
0046	623.0200	Dust Control Surface Treatment	SY	1,530.000	1,530.000
0048	624.0100	Water	MGAL	4.840	4.840
0050	625.0500	Salvaged Topsoil	SY	370.000	370.000
0052	628.1504	Silt Fence	LF	350.000	350.000
0054	628.1520	Silt Fence Maintenance	LF	350.000	350.000
0056	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0058	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0060	628.2008	Erosion Mat Urban Class I Type B	SY	370.000	370.000
0062	628.7020	Inlet Protection Type D	EACH	1.000	1.000
0064	628.7504	Temporary Ditch Checks	LF	10.000	10.000
0066	629.0210	Fertilizer Type B	CWT	0.230	0.230
0068	630.0140	Seeding Mixture No. 40	LB	7.000	7.000
0070	630.0500	Seed Water	MGAL	9.000	9.000
0072	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	2.000	2.000
0074	637.2210	Signs Type II Reflective H	SF	11.250	11.250
0074	638.2102	Moving Signs Type II	EACH	9.000	9.000
0078	638.2602	Removing Signs Type II	EACH	1.000	1.000
080	638.3000	Removing Small Sign Supports	EACH	1.000	1.000
0000	030.3000	Removing Small Sign Supports	LACIT	1.000	1.000

0148

0150

0152

0154

0156

650.9920

652.0225

652.0235

650.9910 Construction Staking Supplemental Control (project) 01. LS

Conduit Rigid Nonmetallic Schedule 40 2-Inch

Conduit Rigid Nonmetallic Schedule 40 3-Inch

Construction Staking Slope Stakes

3887-01-72

652.0800 Conduit Loop Detector

						9
					3887-01-72	
Line	Item	Item Description	Unit	Total	Qty	
082	638.4000	Moving Small Sign Supports	EACH	4.000	4.000	
84	642.5001	Field Office Type B	EACH	1.000	1.000	
86	643.0300	Traffic Control Drums	DAY	2,292.000	2,292.000	
88	643.0420	Traffic Control Barricades Type III	DAY	142.000	142.000	
90	643.0705	Traffic Control Warning Lights Type A	DAY	284.000	284.000	
92	643.0715	Traffic Control Warning Lights Type C	DAY	13.000	13.000	
94	643.0900	Traffic Control Signs	DAY	3,808.000	3,808.000	
96	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000	
98	643.1000	Traffic Control Signs Fixed Message	SF	39.000	39.000	
100	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000	
102	643.1070	Traffic Control Cones 42-Inch	DAY	350.000	350.000	
104	643.5000	Traffic Control	EACH	1.000	1.000	
106	646.1020	Marking Line Epoxy 4-Inch	LF	574.000	574.000	
108	646.3020	Marking Line Epoxy 8-Inch	LF	117.000	117.000	
110	646.5020	Marking Arrow Epoxy	EACH	7.000	7.000	
112	646.5120	Marking Word Epoxy	EACH	3.000	3.000	
114	646.6120	Marking Stop Line Epoxy 18-Inch	LF	59.000	59.000	
116	646.8120	Marking Curb Epoxy	LF	10.000	10.000	
18	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000	
120	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	138.000	138.000	
122	646.9210	Marking Removal Line Water Blasting Wide	LF	16.000	16.000	
124	646.9310	Marking Removal Special Marking Water Blasting	EACH	9.000	9.000	
126	649.0105	Temporary Marking Line Paint 4-Inch	LF	650.000	650.000	
128	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	1,473.000	1,473.000	
130	649.0550	Temporary Marking Arrow Removable Tape	EACH	2.000	2.000	
132	649.0650	Temporary Marking Word Removable Tape	EACH	3.000	3.000	
134	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	25.000	25.000	
136	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000	
38	650.4500	Construction Staking Subgrade	LF	325.000	325.000	
40	650.5000	Construction Staking Base	LF	325.000	325.000	
142	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	862.000	862.000	
144	650.7000	Construction Staking Concrete Pavement	LF	325.000	325.000	
146	650.8500	Construction Staking Electrical Installations (project) 01. 3887-01-72	LS	1.000	1.000	
4.40	050 0040			4.000	4.000	

1.000

325.000

418.000

25.000

52.000

LF

LF

LF

LF

1.000

325.000

418.000

25.000

52.000

3887-01-72

					0007 01 72
Line	Item	Item Description	Unit	Total	Qty
0158	653.0135	Pull Boxes Steel 24x36-Inch	EACH	1.000	1.000
0160	653.0140	Pull Boxes Steel 24x42-Inch	EACH	1.000	1.000
0162	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0164	654.0101	Concrete Bases Type 1	EACH	2.000	2.000
0166	654.0102	Concrete Bases Type 2	EACH	1.000	1.000
0168	655.0260	Cable Traffic Signal 12-14 AWG	LF	132.000	132.000
0170	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	50.000	50.000
0172	655.0610	Electrical Wire Lighting 12 AWG	LF	480.000	480.000
0174	655.0625	Electrical Wire Lighting 6 AWG	LF	990.000	990.000
0176	655.0700	Loop Detector Lead In Cable	LF	40.000	40.000
0178	655.0800	Loop Detector Wire	LF	208.000	208.000
0180	657.0100	Pedestal Bases	EACH	2.000	2.000
0182	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	1.000	1.000
0184	657.0310	Poles Type 3	EACH	1.000	1.000
0186	657.0590	Trombone Arms 20-FT	EACH	1.000	1.000
0188	658.0174	Traffic Signal Face 4S 12-Inch	EACH	2.000	2.000
0190	658.5069	Signal Mounting Hardware (location) 01. Gateway Dr & Corporate Dr/Frances Ln	LS	1.000	1.000
0192	690.0150	Sawing Asphalt	LF	326.000	326.000
0194	690.0250	Sawing Concrete	LF	390.000	390.000
0196	SPV.0060	Special 01. Lighting Unit Concrete Bases	EACH	2.000	2.000
0198	SPV.0060	Special 02. Relocate Roadway Lighting Unit	EACH	2.000	2.000
0200	SPV.0105	Special 01. Reconstruct Inlet Special	LS	1.000	1.000
0202	SPV.0105	Special 02. Saddle Inlet	LS	1.000	1.000
0204	SPV.0105	Special 03. Remove and Salvage Traffic Signal, Gateway Dr & Corporate Dr/Frances Ln	LS	1.000	1.000

MISCELLANEOUS ITEMS

			213.0100	619.1000	628.1905	628.1910	642.5001	643.5000	
			FINISHING	MOBILIZATION	MOBILIZATIONS	MOBILIZATIONS	FIELD	TRAFFIC	
			ROADWAY		EROSION CONTROL	EMERGENCY	OFFICE	CONTROL	
			(3887-01-72)			EROSION CONTROL	TYPE B		
STA	ТО	STA	EACH	EACH	EACH	EACH	EACH	EACH	
112+60		115+85	1	1	1	1	1	1	
TOTALS			1	1	1	1	1	1	

REMOVING CONCRETE

204.0100 204.0155

				REMOVING	REMOVING
				CONCRETE	CONCRETE
				PAVEMENT	SIDEWALK
STA	ТО	STA	OFFSET	SY	SY
112+60		114+05	RT	500	270
TOTALS				500	270

REMOVING CURB & GUTTER

					204.0150
					REMOVING
					CURB & GUTTER
STA	TO	STA	OFFSET	LOCATION	LF
114+05		115+85	RT	EB OUTSIDE	180
112+90		115+28	RT	WB MEDIAN	238
TOTAL					418

EARTHWORK

			205.0100				
			EXCAVATION	EXCAVATION	UNEXPANDED	EXPANDED FILL	EXCESS
			COMMON	USABLE FOR FILL	FILL	1.3	
STA	TO	STA	CY	CY	CY	CY	CY
112+61		115+85	475	85	43	56	419
*UNDISTRIBUTE	ED.		255	-	-	-	-
TOTAL			730				

^{*} UNDISTRIBUTED TOTAL IS ESTIMATED AS 12" EBS UNDERCUT EXCLUSIVE TO AREAS OF PROPOSED 6" BREAKER RUN

STAKING ITEMS

	650.4500	650.5000	650.7000	650.8500	650.9910	650.9920
	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION	CONSTRUCTION
	STAKING	STAKING	STAKING	STAKING	STAKING	STAKING
	SUGRADE	BASE	CONCRETE	ELECTRICAL	SUPPLEMENTAL	SLOPE STAKES
			PAVEMENT	INSTALLATIONS	CONTROL	
				(3887-01-72)	(3887-01-72)	
STA TO STA OFFSET	LF	LF	LF	LS	LS	LF
112+60 115+85 RT	325	325	325	1	1	325
TOTALS	325	325	325	1	1	325

620.0300

CONCRETE PAVEMENT ITEMS

415.0080 415.5110.S 416.0610 416.0620 602.0405

TOTALS					621	1	66	36	1,285	27
114+08		115+85	RT	MEDIAN					891	
113+00		RT	G							27
112+60		114+05	RT	MEDIAN					394	
112+60		114+05	RT	GATEWAY DR	621	1	66	36		
STA	TO	STA	OFFSET	LOCATION	SY	LS	EACH	EACH	SF	SF
					8-INCH	JOINT LAYOUT	BARS	BARS	4-INCH	SLOPED NOSE
					PAVEMENT	PAVEMENT	TIE	DOWEL	SIDEWALK	MEDIAN
					CONCRETE	CONCRETE	DRILLED	DRILLED	CONCRETE	CONCRETE

BASE AGGREGATE & BREAKER RUN

				675	
* UNDISTRIBU	TED		44	459	0.44
114+05	115+85 UN	IDER NEW MEDIAN	68		0.68
114+05	115+85 2-1	NCH DEPTH	35		0.35
114+05	115+85 6-I	NCH DEPTH	72	65	0.72
112+98	114+05 UN	IDER NEW MEDIAN	54		0.54
112+60	114+05 2-1	NCH DEPTH	43		0.43
112+60	114+05 6-1	NCH DEPTH	168	151	1.68
STA	TO STA	LOCATION	TON	TON	MGAL
			DENSE 1 1/4-INCH	RUN	WATER
			BASE AGGREGATE	BREAKER	
			305.0120	311.0110	624.0100

^{*}UNDISTRIBUTED BREAKER RUN TOTAL IS ESTIMATED AS 12" EBS UNDERCUT EXCLUSIVE TO AREAS OF PROPOSED 6" BREAKER RUN

ASPHALT PAVEMENT ITEMS

					455.0605		50.2000 CENT/VE	460.6224
					TACK	DEN	SITYHMA	HMA PAVEMENT
					COAT	PA	VEIMENT	4 MT 58-28 S
STA	TO	STA	OFFSET	LOCATION	GAL	D	OL <mark>LARS</mark>	TON
114+05	:	115+10	RT	TURN LANE	7	/	20	30
114+05	:	115+85	RT	EB LANE	24		70	107
TOTALS					31		90	137
						/		

CONCRETE CURB & GUTTER

					601.0409	601.0411	650.5500
					CONCRETE	CONCRETE	CONSTRUCTION
					CURB & GUTTER	CURB & GUTTER	STAKING CURB
					30-INCH	30-INCH	GUTTER AND
					TYPE A	TYPE D	CURB & GUTTER
STA	TO	STA	OFFSET	LOCATION	LF	LF	LF
112+60		114+05	RT	OUTSIDE	178		178
112+98		114+05	RT	MEDIAN	200		200
114+05		115+28	RT	MEDIAN		123	123
114+05		115+85	RT	MEDIAN		180	180
114+05		115+85	RT	OUTSIDE		181	181
TOTALS					378	484	862

STORM SEWER

			611.0545	611.0624	650.4000	* SPV.0105.01	SPV.0105.02
			MANHOLE	INLET	CONSTRUCTION	RECONSTRUCT	SADDLE
			COVER	COVER	STAKING	INLET	INLET
			TYPE L	TYPE H	STORM SEWER	SPECIAL	
STA	OFFSET	LOCATION	EACH	EACH	EACH	LS	LS
113+30	RT	GATEWAY DR	1		1	1	
114+16	RT	GATEWAY DR		1	1		1
TOTALS			1	1	2	1	1

^{*} REMOVED CASTING TO BE PICKED UP BY THE CITY OF BEAVER DAM. CONTACT TODD JANSSEN, DIRECTOR OF ENGINEERING, PHONE 920-356-2543

PROJECT NO: 3887-01-72 HWY: CORPORATE DR/FRANCES LA INTER COUNTY: DODGE MISCELLANEOUS QUANTITIES SHEET NO: E

EROSION CONTROL

				628.1504 SILT FENCE	628.1520 SILT FENCE MAINTENANCE			628.7504 TEMPORARY DITCH	623.0200 DUST CONTROL SURFACE	625.0500 SALVAGED TOPSOIL	629.0210 FERTILIZER TYPE B	630.0140 SEEDING MIXTURE	630.0500 SEED WATER
						TYPE B	TYPE D	CHECK	TREATMENT			NO. 40	
STA	TO	STA	OFFSET	LF	LF	SY	EACH	LF	SY	SY	CWT	LB	MGAL
112+60		115+85	RT	350	350	370	1	10	1530	370	0.23	7	9
TOTALS				350	350	370	1	10	1530	370	0.23	7	9

SIGNS

				634.0814	637.2210	638.2102	638.2602	* 638.3000	638.4000	
				POSTS TUBULAR STEEL	SIGNS TYPE II	MOVING	REMOVING	REMOVING SMALL	MOVING SMALL	
				2x2-INCH x 14-FT	REFLECTIVE H	SIGN TYPE II	SIGN TYPE II	SIGN SUPPORTS	SIGN SUPPORTS	
SIGN NO.	STA	OFFSET	SIGN WORDING & PICTORIALS	EACH	SF	EACH	EACH	EACH	EACH	COMMENTS
M-01	113+08	RT	FOLDING STOP SIGN			1				MOVE TO RELOCATED SIGNAL POLE
M-02	113+01	53' RT	YIELD			1			1	
M-03	113+06	16.5' RT	KEEP RIGHT			1				MOUNT ON SIGNAL POLE WITH M-04 & M-05
M-04	113+06	16.5' RT	FOLDING STOP SIGN			1				MOUNT ON SIGNAL POLE WITH M-03 & M-05
M-05	112+83	RT	FOLDING STOP SIGN			1				MOUNT ON SIGNAL POLE WITH M-03 & M-04
M-06	113+57	46' RT	NO PARKING ANY TIME			1			1	
M-07	114+05	46' RT	ROAD NARROWS			1			1	SHARED SUPPORT WITH M-08
M-08	114+05	46' RT	WRONG WAY			1				SHARED SUPPORT WITH M-07
M-09	115+34	36' RT	EAST / CTH B			1			1	
R-01	117+04	23' LT	LANE DESIGNATION (2 LANES)				1	1		
01-01	117+04	23' LT	R3-8W, LANE DESIGNATION (3 LANES)	2	11.25					
TOTALS				2	11.25	9	1	1	4	

^{*} REMOVED SIGN TO BE PICKED UP BY THE CITY OF BEAVER DAM. CONTACT TODD JANSSEN, DIRECTOR OF ENGINEERING, PHONE 920-356-2543

	PROJECT NO: 3887-01-72	HWY: CORPORATE DR/FRANCES LA INTER	COUNTY: DODGE	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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TRAFFIC CONTROL

			643.	0300	643.	0420	643.0	0705	643.	0715	643.	0900	643.	0920	643.2	1070
					BARRICADES	BARRICADES	WARNING LIGHTS	WARNING LIGHTS	WARNING LIGHTS	WARNING LIGHTS			COVERIN	IG SIGNS	COI	NES
			DRUMS	DRUMS	TYPE III	TYPE III	TYPE A	TYPE A	TYPE C	TYPE C	SIGNS	SIGNS		EII	42-11	
LOCATION	STAGE	DAYS	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	EACH	DAY	CYCLES	EACH	EACH	DAY
WORK ZONE	1	32	17	544	1	32	2	64	-	-	5	160	-	-	-	-
WORK ZONE	2A	4	13	52	1	4	2	8	3	12	1	4	-	-	10	40
WORK ZONE	2B	31	48	1488	3	93	6	186	-	-	8	248	-	-	10	310
73+64'CF', RT (LANE DESIGNATION)	1	26	-	-	-	-	-	-	-	-	-	-	1	1	-	-
ADVANCED WARNING SIGNING	ALL	61	-	-	-	-	-	-	-	-	27	1647	-	-	-	-
WIDTH RESTRICTION SIGNING	ALL	61	-	-	-	-	-	-	-	-	23	1403	-	-	-	-
UNDISTRIBUTED	ALL			208		13		26		1		346		-	-	-
TOTALS				2292		142		284		13		3808		1		350

TRAFFIC CONTROL SIGNS FIXED MESSAGE

				643.1000											
LOCATION	N	STAGE	SIZE	SF	MESSAGE	<u>.</u>									
	· ·								PERMANE	NT PAVEME	NT MARKIN	<u>IG</u>			
WB CTH B, EAST OF NORTH CF	RYSTAL LAKE RD	2B	36" x 15"	3.75	"CORP DI	₹"									
SB NORTH CRYSTAL LAKE RD,	SOUTH OF CTH B	2B	36" x 15"	3.75	"CORP DE	₹"		646.1020	646.3020	646.5020	646.5120	646.6120	646.8120	646.8220	
NB USH 151, CTH B OFF-RAME	P	1,2A,2B	108" x 42"	31.50	"WIDE LC	ADS"		MARKING	MARKING			MARKING		MARKING	
TOTAL				39.00				LINE	LINE	MARKING	WORD	STOP LINE	CURB	ISLAND	
								EPOXY	EPOXY	ARROW	EPOXY	EPOXY	EPOXY	NOSE EPOXY	<i>(</i>
								4-INCH	8-INCH	EPOXY		18-INCH			
				STA 1	O STA	OFFSET	LOCATION	LF	LF	EACH	EACH	LF	LF	EACH	COMMENTS
								YELLOW	WHITE				YELLOW		
				112+98	115+85	RT	GATEWAY DR	574							
				113+11	114+28		GATEWAY DR		117						
TRAFFIC CC	ONTROL SIGNS PCMS			112+57		80' RT	CORPORATE DR			1					1-TYPE3
				113+37		RT & LT	GATEWAY DR			3					2-TYPE 2 & 1-TYPE 1
		643.10	50	113+67		RT & LT	GATEWAY DR				3				ONLY'
LOCATION	PRIOR TO STAGE	DAYS	<u> </u>	114+05		RT & LT	GATEWAY DR			3					2-TYPE 2 & 1-TYPE 1
				112+52	112+85	52' RT	CORPORATE DR					34			
SB FRANCES LANE	2B	7		113+11		RT & LT	GATEWAY DR					25			
NB CORPORATE DR	1	7		112+98		RT	GATEWAY DR							1	
WB CTH B	2B	7		113+00		RT	GATEWAY DR						10		
TOTAL		21		TOTALS				574	117	7	3	59	10	1	

	PROJECT NO: 3887-01-72	HWY: CORPORATE DR/FRANCES LA INTER	COUNTY: DODGE	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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PAVEMENT MARKING REMOVALS

646.9010	646.9210	646.9310
MARKING	MARKING	MARKING
REMOVAL	REMOVAL	REMOVAL
LINE WATER	LINE WATER	SPECIAL MARKING
BLASTING	BLASTING	WATER BLASTING

SAWING

690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE

				BLASTING	BLASTING	WATER BLASTING
				4-INCH	WIDE	
STA	TO STA	OFFSET	DESCRIPTION	LF	LF	EACH
112+50	113+10		WB YELLOW EDGE LINE	38		
114+28	115+28		WB YELLOW EDGE LINE	100		
112+74		RT & LT	STOP LINE		16	
113+47		LT	TYPE 2 AND TYPE 3 ARROWS			2
113+92		LT	WORDS - 'ONLY"			1
114+22		LT	TYPE 2 AND TYPE 3 ARROWS			2
114+57		LT	WORDS - 'ONLY"			1
74+63'CF'		RT	CORPORATE DR, TYPE 3 ARROW, STAGE 1			1
113+45		LT	GATEWAY DR, TYPE 3 ARROW, STAGE 2B			1
115+20		lt	GATEWAY DR, TYPE 3 ARROW, STAGE 2B			1
TOTALS				138	16	9

STA	TO	STA	OFFSET	LF	LF	COMMENTS
112+60			RT		100	ALONG CORPORATE DR
112+60		114+05			145	ALONG GATEWAY DR
112+60		114+05	RT		145	MIDDLE OF EB GATEWAY DR - STAGE 1
114+05		115+28		123		ALONG GATEWAY DR
114+05		115+85	RT	181		MIDDLE OF EB GATEWAY DR - STAGE 1
115+85			RT	22		MATCH POINT WITH EXISTING EB GATEWAY DR
TOTALS				326	390	

TEMPORARY PAVEMENT MARKING

					649.0	0105	649.0	0150	649.0550	649.0650	649.0850	
					TEMPO	DRARY	TEMPO	DRARY	TEMPORARY	TEMPORARY	TEMPORARY	
					MARKIN	NG LINE	MARKIN	IG LINE	MARKING ARROW	MARKING WORD	MARKING	
					PAI	NT	REMO\	/ ABLE	REMOVABLE	REMOVABLE	STOP LINE	
					4-IN	ICH	TAPE 4	-INCH	TAPE	TAPE	REMOVABLE TAPE	
											18-INCH	
STA	TO	STA	OFFSET	LOCATION	Lf	F	LF	=	EACH	EACH	LF	COMMENTS
					YELLOW	WHITE	YELLOW	WHITE				
112+75		116+00	RT	GATEWAY DR, STAGE 1	325	325	-	-	-	-	-	
74+37'CF'			RT	CORPORATE DR, STAGE 1	-	-	-	-	-	1	-	'ONLY'
112+87		113+35	RT	GATEWAY DR,STAGE 2A	-	-	50	-	-	-	-	
75+73'CF'	7	8+09'CF'	RT & LT	CORPORATE DR, STAGE 2B	-	-	237	-	-	-	-	
112+60		117+13	RT & LT	GATEWAY DR, STAGE 2B	-	-	906	280	-	-	-	
113+45		114+57	LT	GATEWAY DR , STAGE 2B	-	-	-	-	2	2	-	TYPE 1
UNDISTRIBUTED					-	-	-	-	-	<u>-</u>	25	
TOTALS					325	325	1193	280	2	3	25	

	PROJECT NO: 3887-01-72	HWY: CORPORATE DR/FRANCES LA INTER	COUNTY: DODGE	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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3

CONDUIT RIGID NONMETALLIC SCHEDULE 40 AND ELECTRICAL WIRE LIGHTING

		*652.0225	655.0625
		2-INCH	6 AWG
FROM	TO	LF	LF
LCC	PB-5	-	378
PB-5	LU 7B	37	129
LU 7B	LU 8A	130	408
LU 8A	LU 9B	140	453
TOTALS		307	990

^{*} ADDITIONAL QUANTITIES LISTED ELESEWHERE

LIGHTING UNIT CONCRETE BASE

		SPV.0060.01
LOCATION	DESCRIPTION	EACH
113+20, 16.5' RT	7B	1
114+49, 15.0' RT	8A	1
TOTAL		2

LIGHTING UNITS AND ELECTRICAL WIRE LIGHTING

TOTAL			2	480	
8A	114+49	15.0' RT	1	240	
7B	113+20	16.5' RT	1	240	
UNIT	STATION	OFFSET	EACH	LF	
			SPV.0060.02	655.0610	
			LIGHTING UNIT		
			RELOCATE ROADWAY	12 AWG	

	204.0195
INTERSECTION	EACH
GATEWAY DR & CORPORATE DR/FRAN	ICELANE
GATEWAT DIX & CORFORATE DISTRAIN	ICL LAIVE
SB3	1
SB4	1
SB5	1
TOTAL	3

CONDUIT

INTERSECTION: GATEWAY DR & CORPORATE DR/FRANCE LANE						
		*652.0225	652.0235			
		CONDUIT RIGID	CONDUIT RIGID			
		NONMETALLIC	NONMETALLIC			
		SCHEDULE 40	SCHEDULE 40			
		2-INCH	3-INCH			
FROM	TO	LF	LF			
PB3	New SB3	5				
PB4	New SB4	28				
New SB4	PB30	38				
PB30	Loop PB31	40				
PB5	New SB5		25			
TOTALS 111 25						
* ADDITIONAL QUANTITIES LISTED ELSEWHERE						

CONCRETE BASES

INTEDSECTION	ONI: GATEW//	VDDS	2. CODE	ORATE DR/FR	VNICECTVNE
INTERSECTI	ON. GATEWA	אז טא נ	X CORE		
				654.0101	654.0102
				CONCRETE	CONCRETE
				BASES	BASES
				TYPE 1	TYPE 2
BASE NO.	STATION	OFF	SET	EACH	EACH
SB3	112+83	63'	RT	1	
SB4	113+15	47'	RT		1
SB5	113+05	17'	RT	1	
TOTALS				2	1

REMOVING PULL BOXES

INTERSECTION	653.0905 EACH
GATEWAY DR & CORPORATE DR/FRA	NCE LANE
PB5	1
TOTAL	1

PULL BOXES STEEL

INTERSECTION	: GATEWAY DR	& COR	PORA	TE DR/FRANC	E LANE
				653.0135	653.0140
				24x36-INCH	24x42-INCH
PB NO.	STATION	OFFS	SET	EACH	EACH
PB5	112+83	7'	RT		1
PB30	113+53	47'	RT	1	
TOTALS				1	1

EQUIPMENT GROUNDING CONDUCTORS & PULL BOX JUMPERS

INTERSECTION: GATEWA	Y DR & CORPORATE DR/FR	ANCES LANE
		655.0515
		ELECTRICAL WIRE TRAFFIC
		SIGNALS 10 AWG
FROM	TO	LF
EQUI	IPMENT GROUNDING CON	DUCTORS
PB5	SB5	40
	PULL BOX BONDING JUMP	PERS
PB5	SB5	10
TOTAL		50

LOOP DETECTORS

								652.0800	655.0700	655.0800
								CONDUIT	LOOP	DETECTOR
					NO.			LOOP DETECTOR	LEAD-IN CABL	E WIRE
OOP NO. HOME RUN PB	. LOCATION^	9	SIZE (FT.	X FT.)	OF TURNS	PAVEME		LF	LF	LF
51 PB31	113+53 7' F	RT	6' X	20'	4	CONCRET	EMENT -	52	40	208
TOTALS								52	40	208

SIGNAL CABLE

INTERSECTION: GATEWAY DR & CORPORATE DR/FRANCES LANE			
655.0260			
		CABLE TRAFFIC SIGNAL	
		12-14 AWG	
FROM	TO	LF	
CABINET	SB5	132	
TOTAL		132	

LOCATION	658.5069 LS
GATEWAY DR & CORPORATE DR/FRANCES LANE	1
TOTAL	1

SIGNAL MOUNTING HARDWARE (ORNAMENTAL)

TRAFFIC SIGNAL BASES, ARMS, AND POLES

INTERSECTION: GATEWAY DR & CORP	ORATE DR/FR	ANCES LANE		
	657.0100	657.0255	657.0310	657.0590
	PED.	TRANS. BASE	POLE	20-FOOT
	BASE	11 1/2-INCH BOLT CIRCLE	TYPE 3	TROMB.
BASE NO.	EACH	EACH	EACH	EACH
SB3	1			
SB4		1	1	1
SB5	1			
TOTALS	2	1	1	1

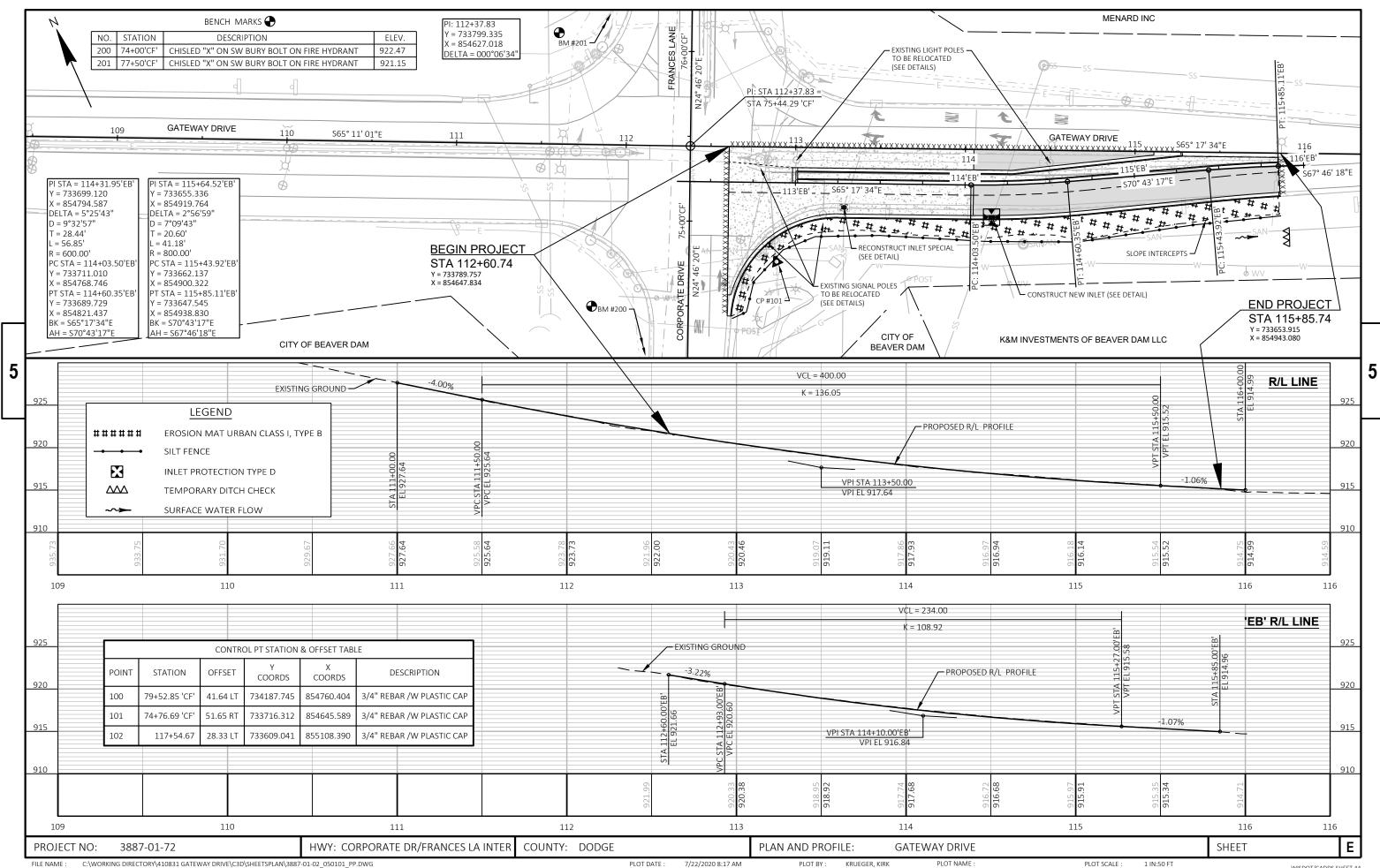
REMOVE AND SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0105.03 LS
GATEWAY DR & CORPORATE DR/FRAM	NCES LANE
	_
SB4	1
TOTAL	1

TRAFFIC SIGNAL FACES

INTERSECTION: GATEWAY DR & CORPORATE DR/FRANCES LANE 658.0174			
		TRAFFIC SIGNAL	
		FACE 4S	
SB NO.	FACE NO.	12-INCH EACH	
SB11	4		
SB 15	3	<u>1</u> 	
	15	1	
TOTALS		2	

PROJECT NO: 3887-01-72 HWY: CORPORATE DR/FRANCES LA INTE	COUNTY: DODGE	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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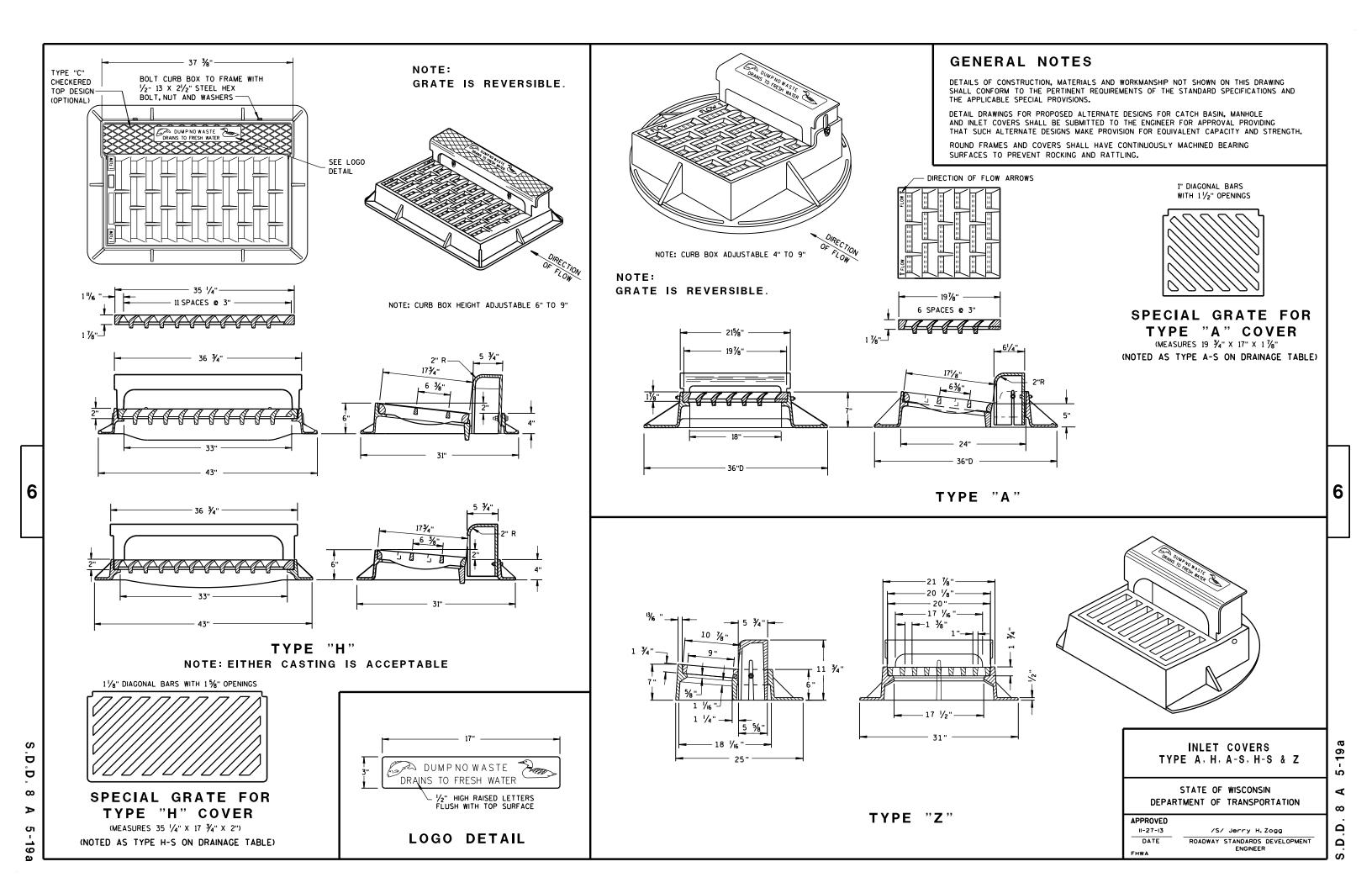


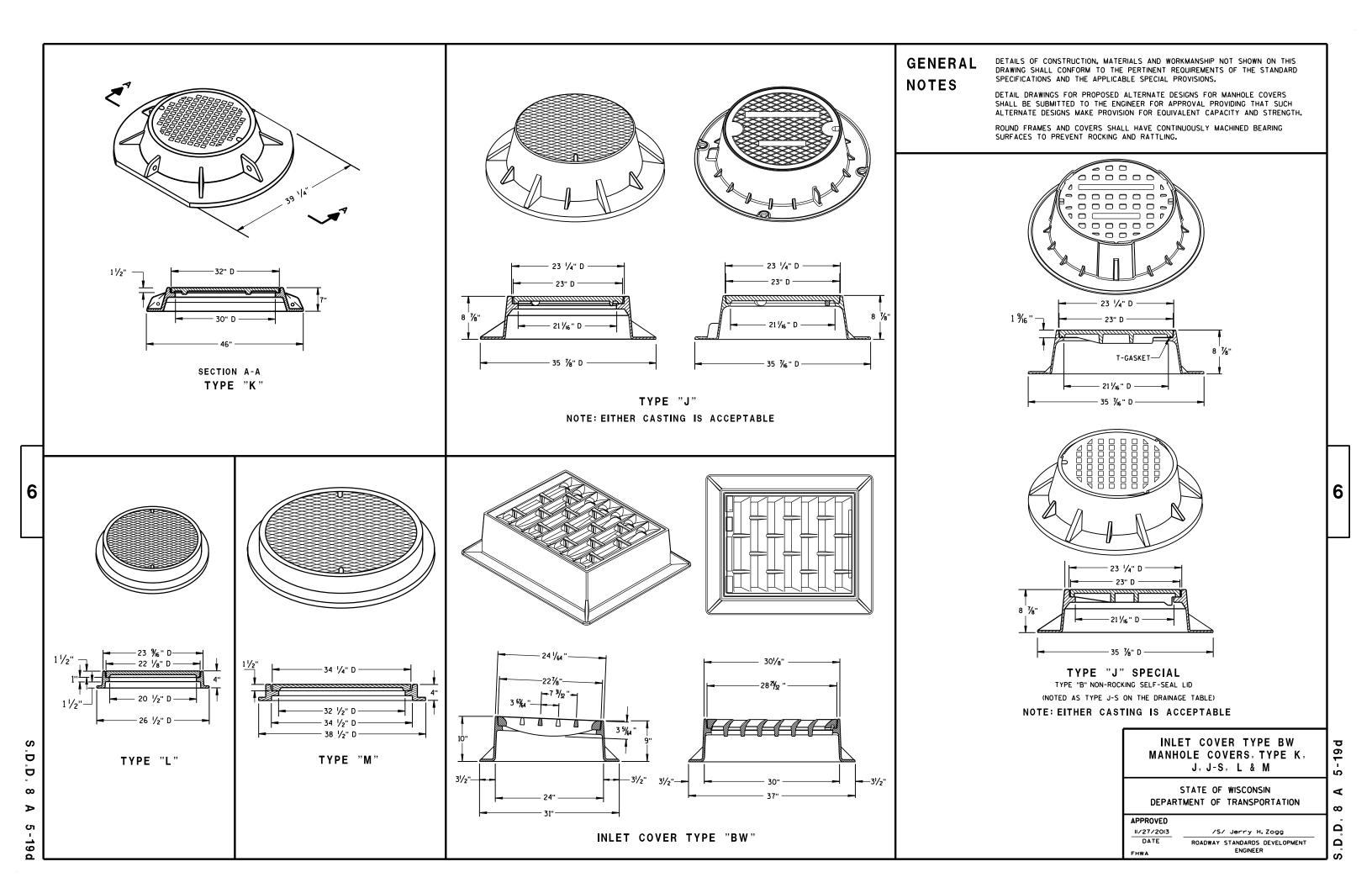
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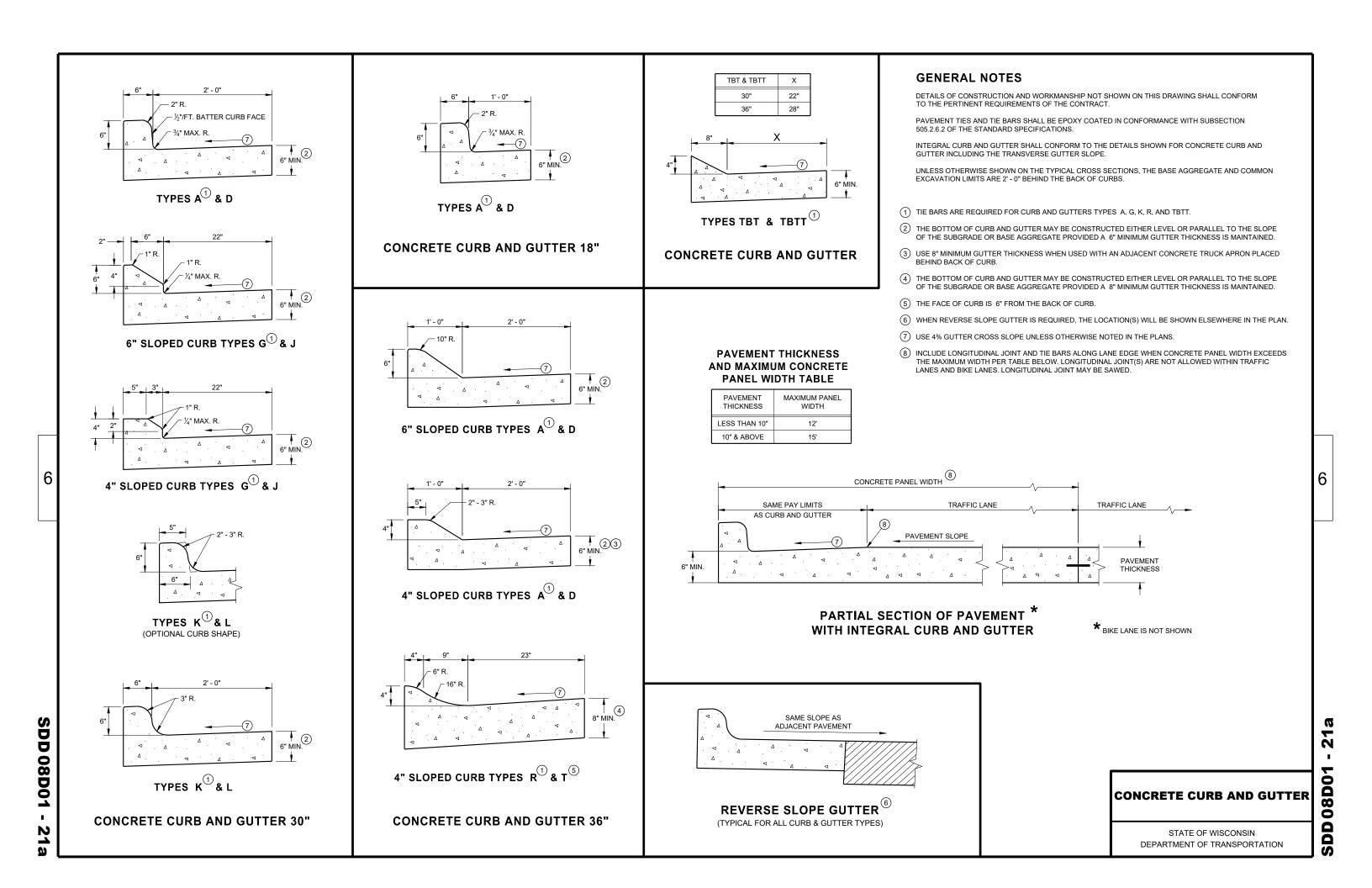
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09в02-10	CONDUIT
09в04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E05-06	TRAFFIC SIGNAL STANDARD ORNAMENTAL BRACKET MOUNTINGS TYPICAL FOR 13 FT. OR 15 FT.
09F04-05	LOOP DETECTOR INSTALLED IN NEW CONCRETE PAVEMENT ROUND CSCP PULLBOX
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C01 15 13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C13-09 13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07A 13C18-07B	CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07B	
13C18-07C	CONCRETE PAYEMENT JOINT TYPES
13C18-07D 13C19-02	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
	HMA LONGITUDINAL JOINTS
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C04-05 15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

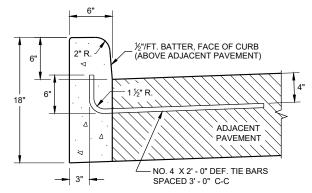
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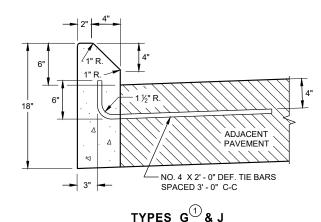




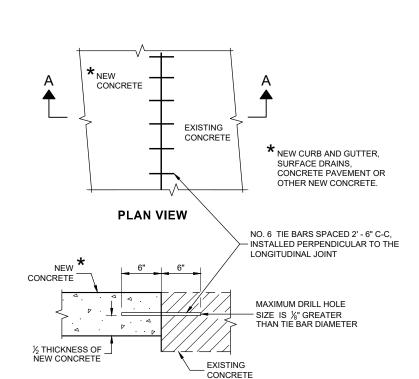
DETAIL OF CURB AND GUTTER AT INLETS (TYPICAL H INLET COVER SHOWN)



TYPES A D



CONCRETE CURB



DEPRESS BELOW NORMAL - FLOWLINE TO MATCH GRATE ELEVATION

GRATE ELEVATION AS SHOWN ON STORM SEVER DETAILS

CURB AND GUTTER

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

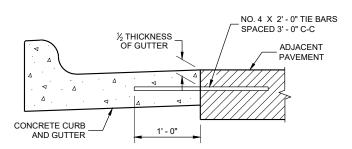
GENERAL NOTES

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

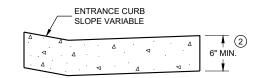
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

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



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



DRIVEWAY ENTRANCE CURB® (WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED /S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER February 2020 DATE

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DEPARTMENT OF TRANSPORTATION

SDD 08D05

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.

TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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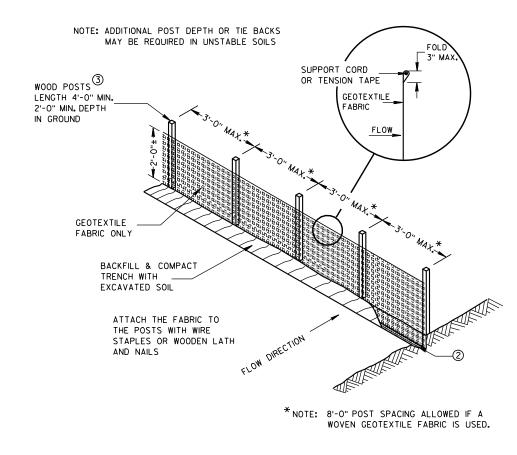
TYPICAL APPLICATION OF SILT FENCE

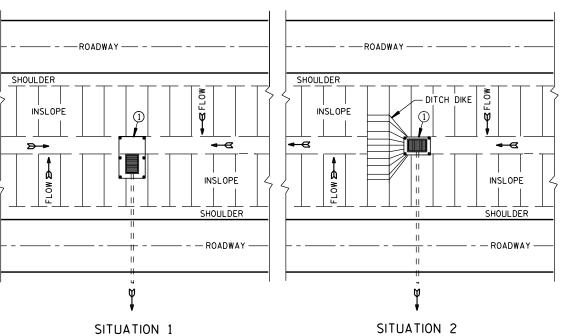
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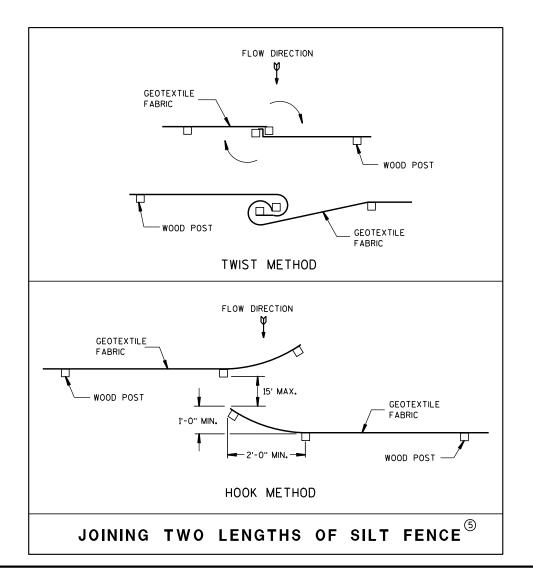
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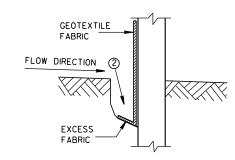
PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



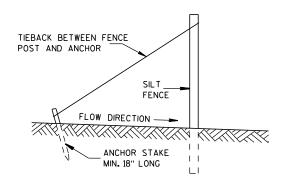
GENERAL NOTES

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.

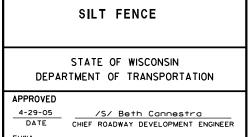


TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE

S.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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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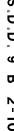
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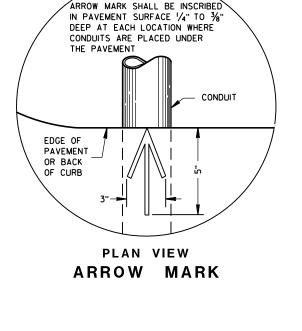


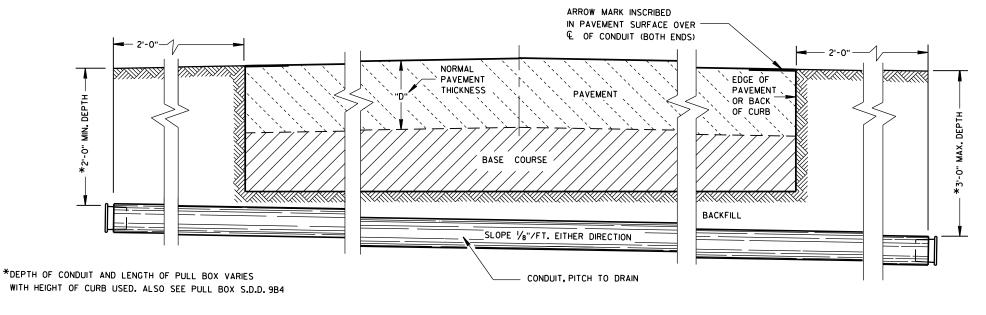












SIDE ELEVATION DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

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

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

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

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

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

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

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

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

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

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

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

CONDUIT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
March, 2017	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL ENGINEER

DIMENSION IN INCHES				COF	RRUGAT	ED ST	EEL P	IPE		
PIPE DIAMETER (INSIDE)	Α	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	В	24	30	36	24	30	36	36	42	48
WALL THICKNESS	С	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	Ε	14 1/2	14 1/2	14 1/2	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 ½	14 1/2	20 ½	20 ½	20 ½
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 ½	23 ½	23 ½
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

- * THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.
- NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

6" MAX. **EXTENSION** TOP OF ORIGINAL CORRUGATED PIPE (3) BOLTS, NUTS & LOCKWASHERS REQUIRED

ELECTRIC

FINAL GRADE

ALL METALLIC CONDUIT

AND THREADED

CUT OPENINGS

THE FIELD

2" PVC PIPE CAP ON BOTH ENDS

WITH 7, 8 1/4" HOLES DRILLED

IN EACH END.

PULL BOX

AS REQUIRED IN

ENDS SHALL BE REAMED

ALL CONDUIT PITCHED

4 TO 8 BRICKS

EQUALLY SPACED

TO DRAIN TO PULL BOXES

2" DRAIN DUCT TO

DITCH OR SEWER

WHEN SPECIFIED

CORRUGATED PIPE EXTENDER

HEAVY DUTY FRAME -

6" MIN.

(TYP.)

AND COVER

WHEN A PULL BOX IS INSTALLED IN CRUSHED

AGGREGATE SHOULDERS, PLACE IT 2-3

2-3 INCHES OF CRUSHED AGGREGATE

NO. 2 COARSE

(SEE SECTION 501

OF THE STANDARD

WIRE AND/OR CABLE.

INSTALL END BELLS (U.L. LISTED FOR

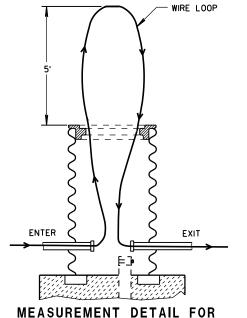
CONDUIT BEFORE INSTALLATION OF

ELECTRICAL USE) ON ALL NONMETALLIC

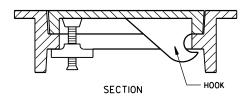
SPECIFICATIONS)

AGGREGATE

INCHES BELOW GRADE AND COVER IT WITH

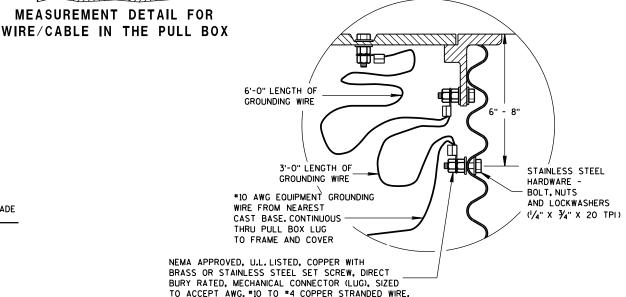


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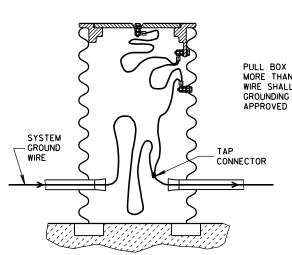


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

PULL BOX

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 /S/ Ahmet Demirbilek DATE STATE ELECTRICAL ENGINEER FHWA

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED. SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TRAFFIC LOADS.

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CONDUIT WITHIN

6" DIA

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

HALF SECTION IN

UNPAVED AREA

(TYPICAL FOR

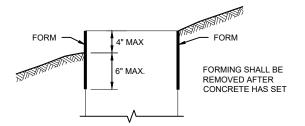
TYPES 1, 2, 5 & 6)

MIN

TOPSOIL AND SEED OR

CRUSHED

AGGREGATE



FORM ALL EXPOSED

CONCRETE, PROVIDE

1" CHAMFER ALL AROUND

TYPE 1

CONDUIT

12 3/4" BOLT CIRCLE

HALF SECTION

IN PAVEMENT

(TYPICAL FOR

TYPES 1, 2, 5 & 6)

3/4" PREFORMED FILLER

AS APPROVED BY THE

ENGINEER

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5 & 6

3" (11)

FORMING DETAIL

QUANTITY	CONCRETE BASE TYPE			
REQUIREMENTS	1	2	5 & 6	
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40	
LBS. OF HOOP BAR STEEL	NONE	23	16	
LBS. OF VERTICAL BAR STEEL	NONE	60	18	

1" CONDUIT

PURPOSES

CONDUIT WITHIN

6" DIA.

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE. PROVIDE

7' - 0"

1" CHAMFER ALL AROUND

6" MIN.

1' - 0"

(9)

10)

TYPE 2

CONCRETE BASES

(5)

6" MIN

FOR GROUNDING

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS

GENERAL NOTES

CONDUIT

11 1/2" BOLT CIRCLE

(OUT TO OUT)

3" (11)(12)

- 3" CLEAR

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5 & 6

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

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

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

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

1" CONDUIT

PURPOSES

6" DIA.

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE. PROVIDE

5' - 0"

1" CHAMFER ALL AROUND

6" MIN.

1' - 0"

(9)

10

L 2"

TYPE 5 & 6

(8)

6" MIN

CONDUIT

11 1/2" BOLT CIRCLE

(OUT TO OUT)

3" (11)(12)

- 3" CLEAR

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5 & 6

FOR GROUNDING

CONDUIT WITHIN

CONDUIT

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

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

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

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

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

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

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

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

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

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

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

- THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.
- (2) (4) 1" DIA. X 3' 6" ANCHOR RODS.
- (3) (4) 1" DIA. X 5' 0" ANCHOR RODS.
- (6) NO. 6 X 6' 8" BAR STEEL REINFORCEMENT.
- (5) (7) NO. 4 X 5' 1" BAR STEEL REINFORCEMENT @ 1' 0" C C.
- (6) (4) 1" DIA. X 3' 6" ANCHOR RODS.
- (6) NO. 4 X 4' 8" BAR STEEL REINFORCEMENT.
- (8) (5) NO. 4 \times 5' 1" BAR STELL REINFORCEMENT @ 1' 0" C -C.
- EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR
- (10) 5/8" DIA. X 8'-0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED
- ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/4" OR LONGER THAN 3 1/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- 12) FOR NON BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS, RODENT SCREEN REQUIRED.



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE

STATE ELECTRICAL ENGINEER

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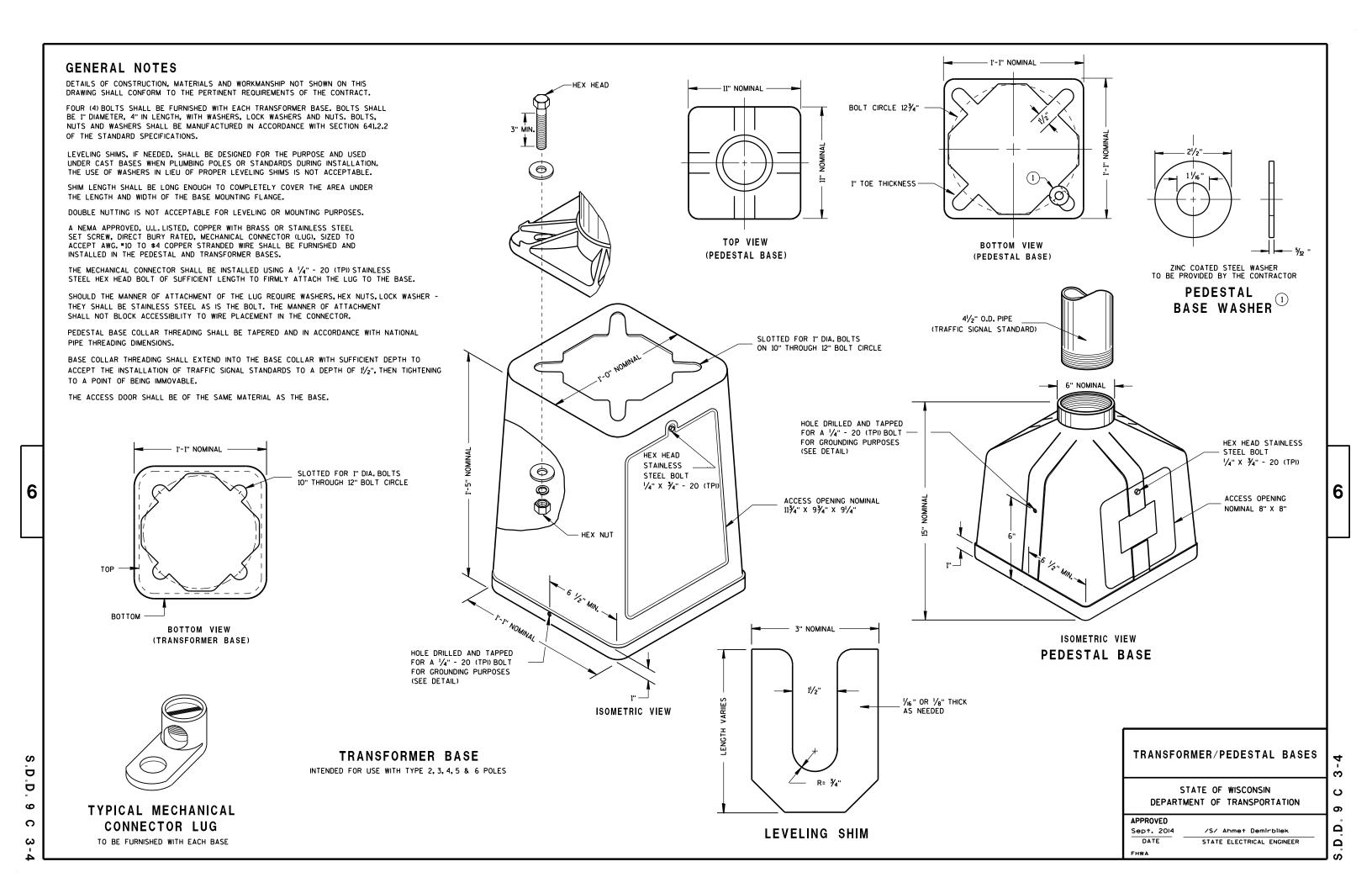
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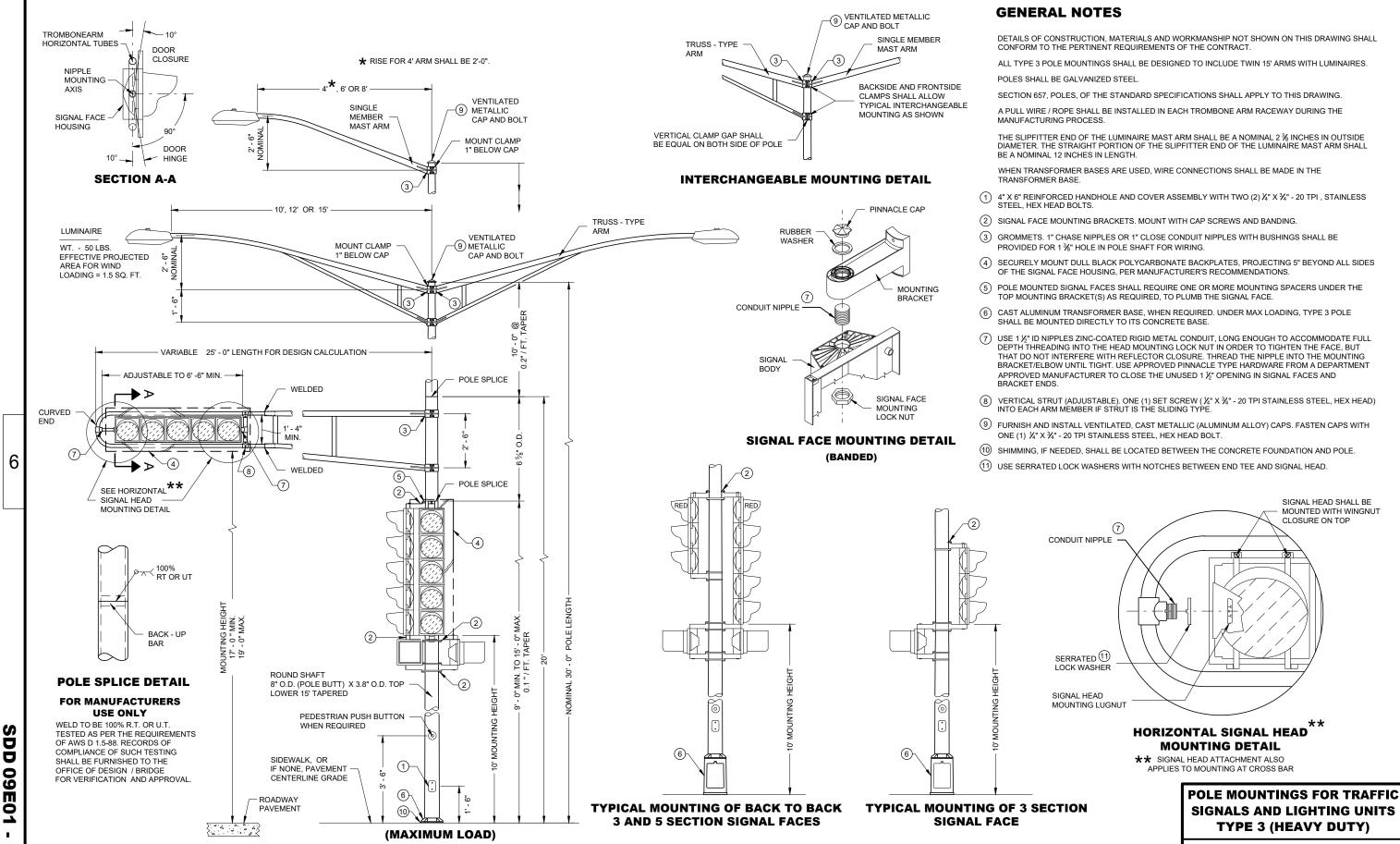
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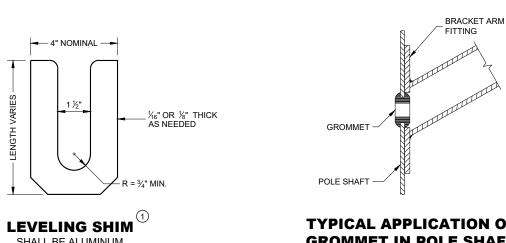


TYPE 3 POLE MOUNTING CONFIGURATION

3DD 09E01 - 15b

STATE OF WISCONSIN

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GUSSETS REQUIRED

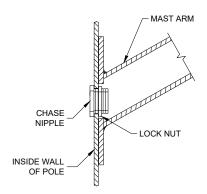
STAINLESS STEEL HARDWARE - BOLT LENGTH

FOR TROMBONE ARM CLAMPS SHALL BE 4 ½"
MIN. - 6" MAX.. BOLTS FOR LUMINAIRE ARM

CLAMPS SHALL BE 3 ½" IN LENGTH. THREAD

BOLTS ENTIRE LENGTH





TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GUSSETS REQUIRED

STAINLESS STEEL HARDWARE - BOLTS 3 5"

THREAD BOLTS ENTIRE LENGTH.

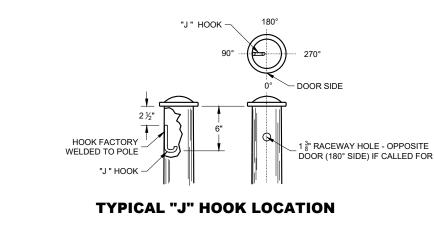
IN LENGTH, TWO WASHERS, LOCK WASHER AND NUT (4 SETS REQUIRED PER CLAMP)

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

- (1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.
- (2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)
- 3 BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER
- 4 LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE

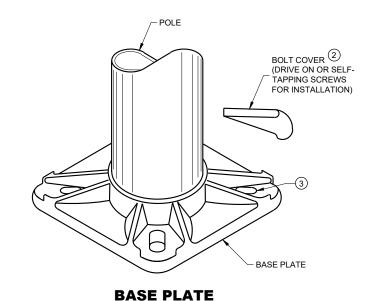
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

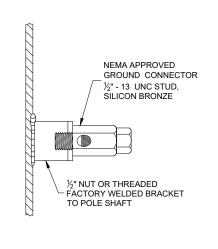


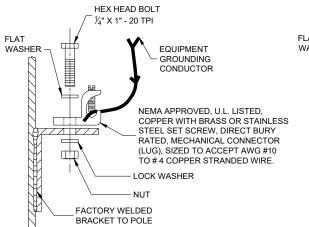
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP

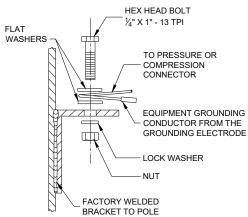
SHALL BE ALUMINUM

TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS









TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

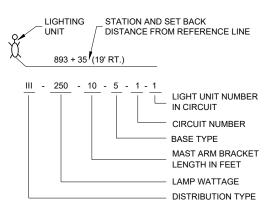
APPROVED November 2018 DATE

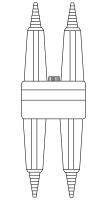
/S/ Ahmet Demirbilel STATE ELECTRICAL ENGINEER

AO 60 DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.





WATERPROOF

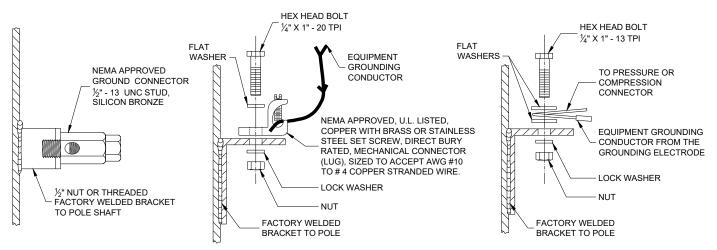
INSULATING BOOT



DETAIL "B"
BREAKAWAY
SINGLE POLE WITH

WATERPROOF

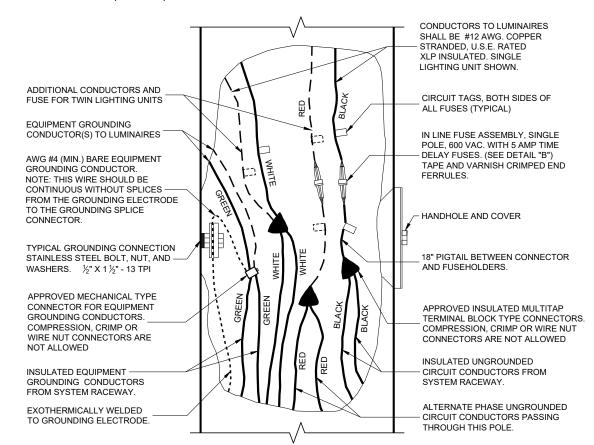
INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

LIGHTING UNIT CODE (TYPICAL)



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS)
WITH GROUNDING CONDUCTOR AND
EQUIPMENT GROUNDING CONDUCTOR

TWIN LIGHTING UNITS REQUIRE UNGROUNDED CONDUCTORS TO INDIVIDUAL SETS OF UNGROUNDED -LUMINAIRES SHALL BE #12 AWG, CONDUCTORS AND FUSE ASSEMBLIES. COPPER STRANDED, U.S.E. RATED XLP INSULATED. SINGLE LIGHTING UNIT SHOWN. TWIN LIGHTING UNIT EQUIPMENT GROUNDING CONDUCTOR EQUIPMENT GROUNDING CONDUCTOR IN LINE FUSE ASSEMBLY, TWO AWG #4 (MIN.) BARE EQUIPMENT POLE, 600 VAC. WITH 5 AMP TIME GROUNDING CONDUCTOR. DELAY FUSES. (SEE DETAIL "A") NOTE: THIS WIRE SHOULD BE TAPE AND VARNISH CRIMPED END CONTINUOUS WITHOUT SPLICES FERRULES. FROM THE GROUNDING ELECTRODE TO THE GROUNDING SPLICE - HANDHOLE AND COVER CONNECTOR. TYPICAL GROUNDING CONNECTION CIRCUIT TAGS, BOTH SIDES STAINLESS STEEL BOLT, NUT, AND OF ALL FUSES. (TYPICAL) WASHERS. ½" X 1½" - 13 TPI 18" PIGTAIL BETWEEN CONNECTORS APPROVED MECHANICAL TYPE AND FUSEHOLDERS CONNECTOR FOR EQUIPMENT GROUNDING CONDUCTORS. COMPRESSION, CRIMP OR APPROVED INSULATED MULTITAP WIRE NUT CONNECTORS ARE TERMINAL BLOCK TYPE CONNECTORS NOT ALLOWED COMPRESSION, CRIMP OR WIRE NUT CONNECTORS ARE NOT ALLOWED. INSULATED EQUIPMENT GROUNDING CONDUCTORS FROM SYSTEM RACEWAY. INSULATED UNGROUNDED EXOTHERMICALLY WELDED CIRCUIT CONDUCTORS FROM TO GROUNDING ELECTRODE SYSTEM RACEWAY.

2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS)
WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

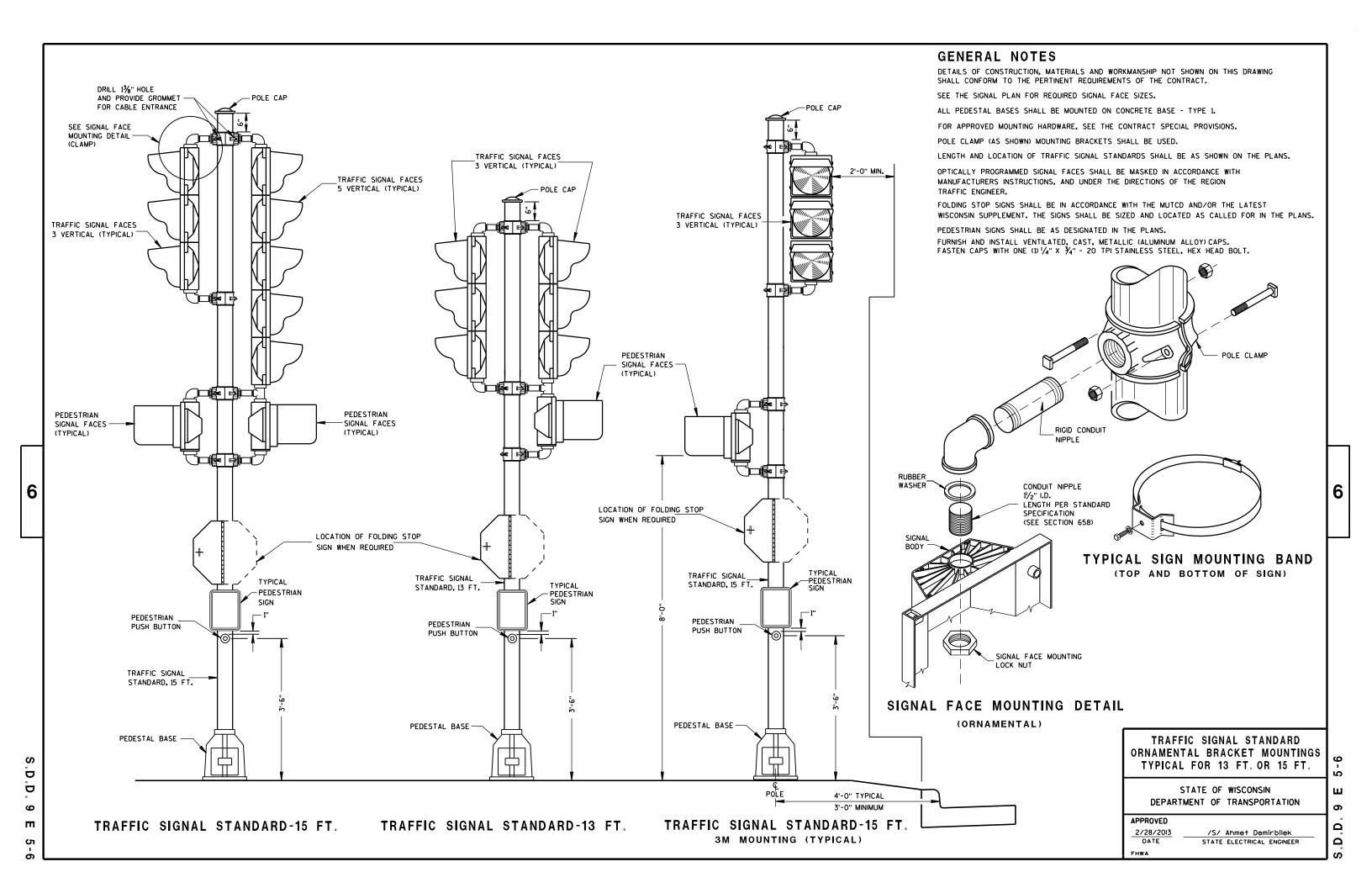
APPROVED

November 2018 /S/ Ahmet Demirbilek

DATE STATE ELECTRICAL ENGINEER

SDD 09E03-0

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GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS

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

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

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

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

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

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

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

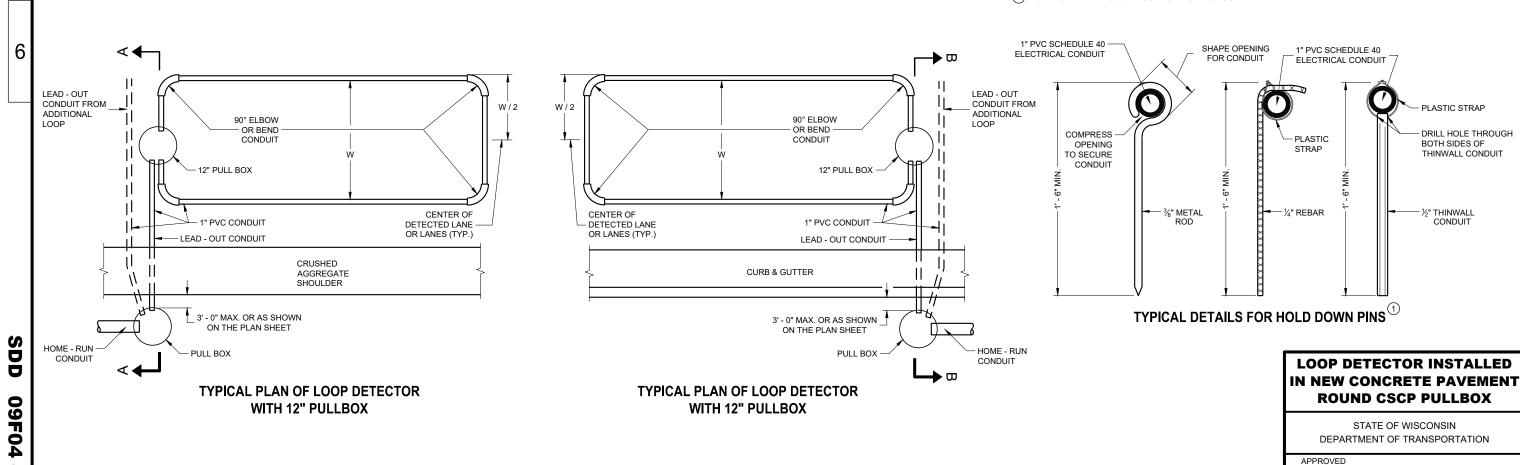
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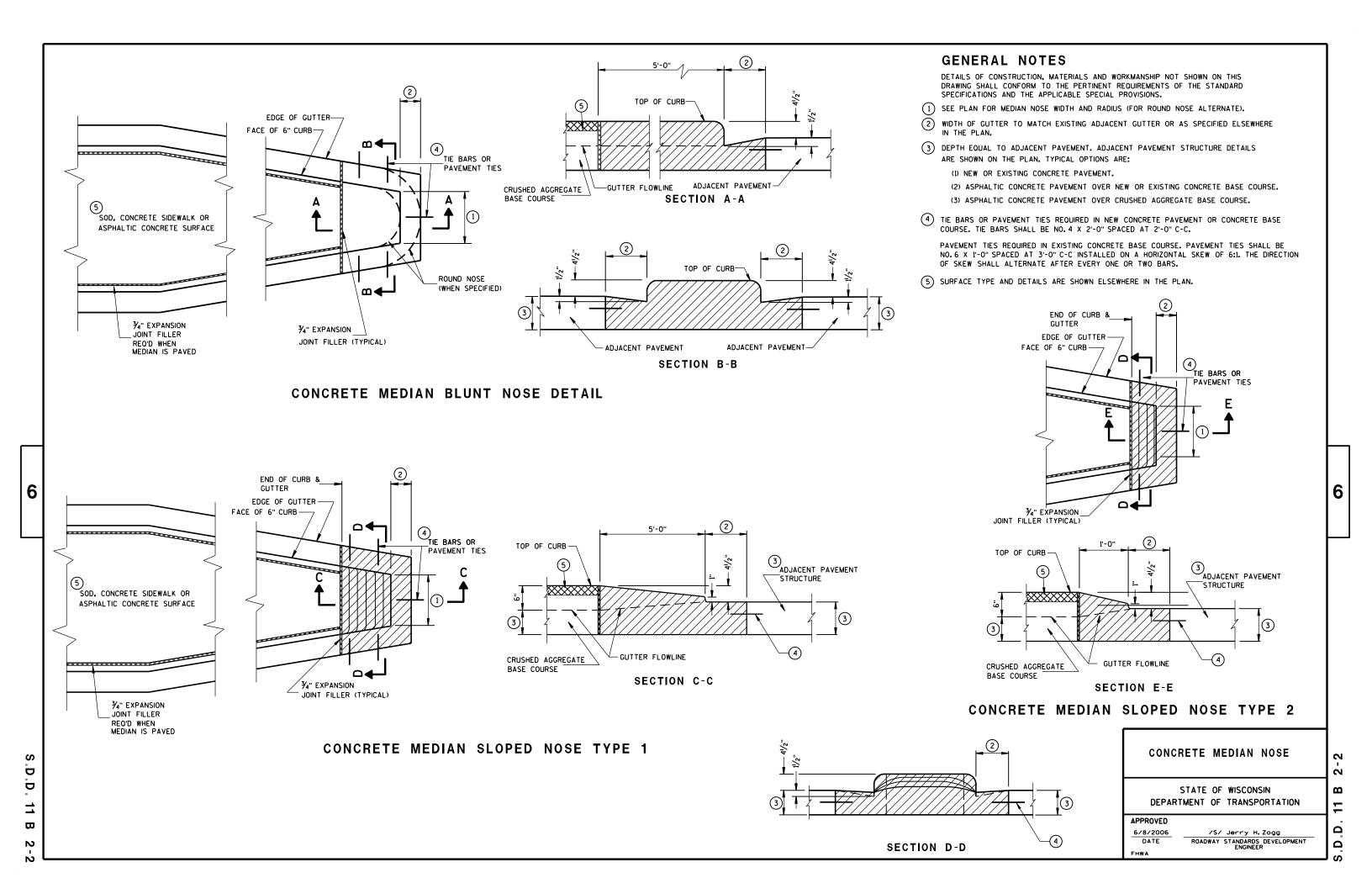
/S/ Ahmet Demirbilel

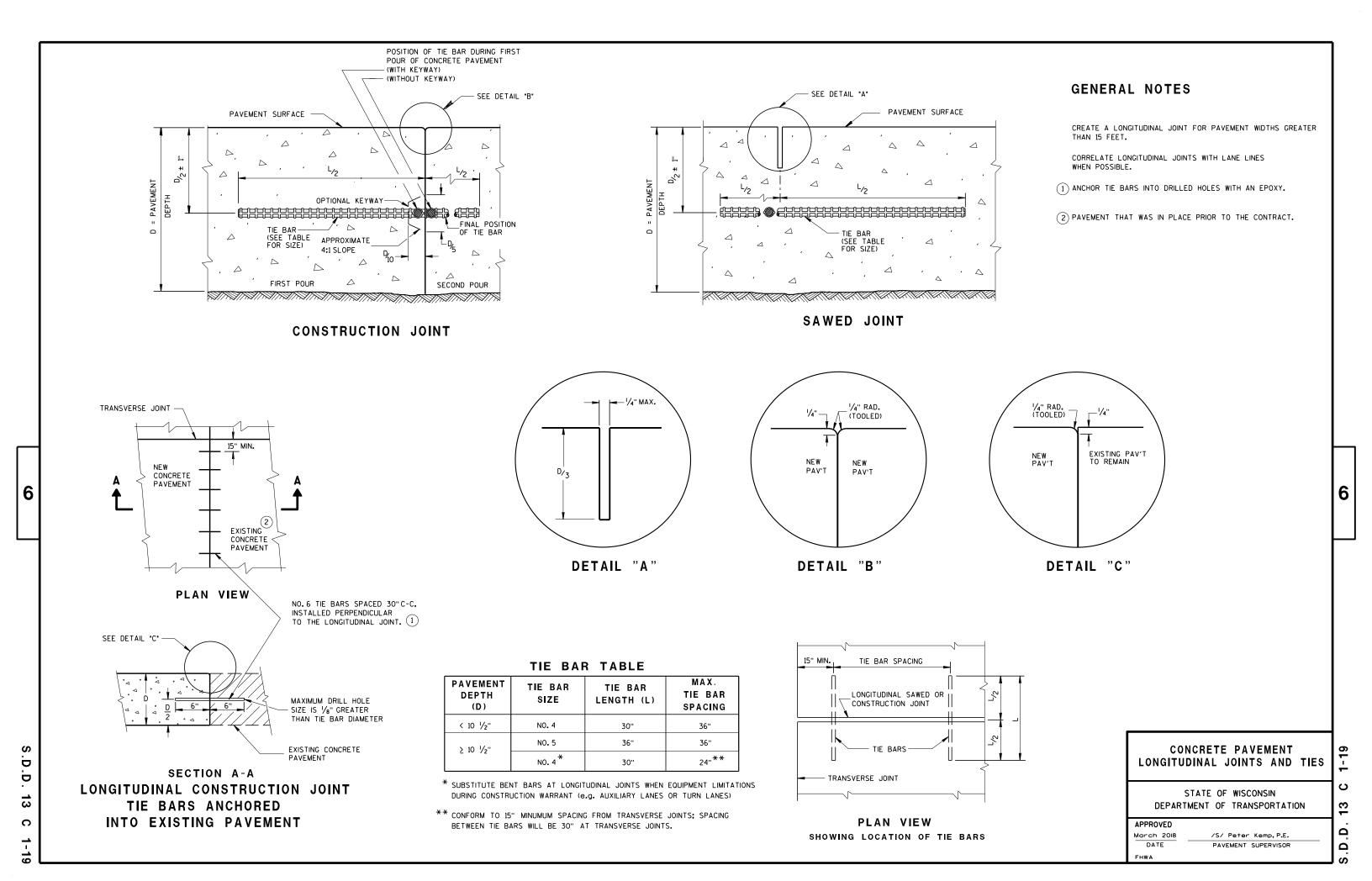
STATE ELECTRICAL ENGINEER

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.

(1) HOLD DOWN PINS TO HOLD CONDUIT DURING POUR.







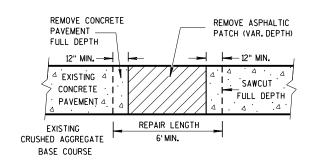
PLAN VIEW

ASPHALTIC

— PATCH —

VARIABLE SIZE

REPAIR LENGTH 6' MIN.



SECTION A-A

HMA PATCH REMOVAL

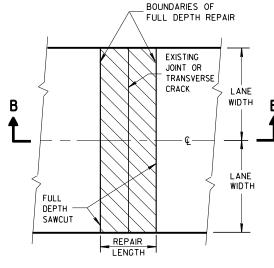
GENERAL NOTES

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

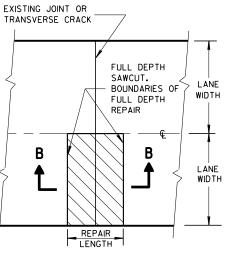
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

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

1) DOWEL BARS MIGHT NOT EXIST.

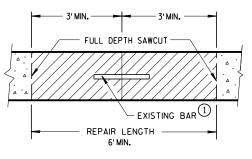


PLAN VIEW (DOUBLE LANE REPAIR)



PLAN VIEW (SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B-B
CONCRETE REMOVAL

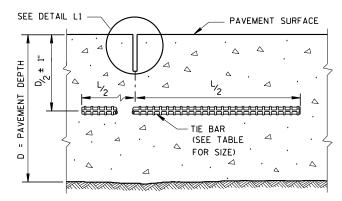
CONCRETE PAVEMENT REPAIR
AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TIE BAR TABLE

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

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



SECTION C-C SAWED LONGITUDINAL JOINT

| EXISTING

L1 OR L3

C2 -

CONCRETE

GENERAL NOTES

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

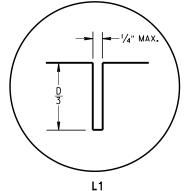
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

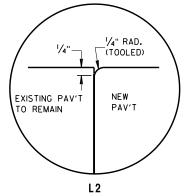
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

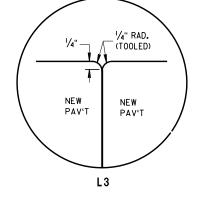
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT

18" DOWEL BARS ANCHORED

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







LONGITUDINAL JOINTS

ANCHORED

EXISTING

15" C-C

PAVEMENT,

EXISTING

CONCRETE

EXISTING | 6'MIN.

CONCRETE 15' MAX.

DOUBLE

I ANF

-REPAIR

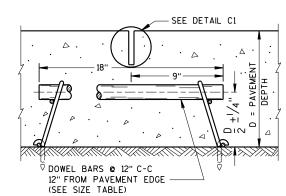
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NEW

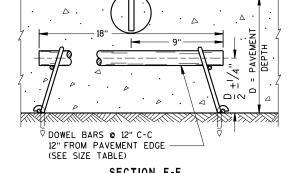
ICONCRETEI**~**

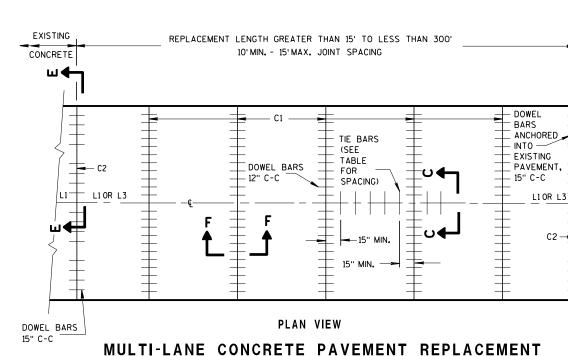
PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



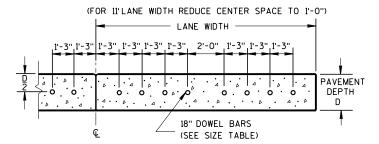
SECTION F-F **CONTRACTION JOINT**





INTO EXISTING PAVEMENT (SEE SIZE TABLE) PAVEMENT DEPTH D MAXIMUM DRILLED HOLE SIZE FREE IS 1/8" GREATER THAN --END OF BAR DOWEL BAR DIAMETER SEE NOTE (1)

SECTION D-D



SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

71112		Monitor In	
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6",6 1/2"	NONE	NONE	12'
7",7 1/2"	1"	1''	14'
8",8 1/2"	1 1/4"	1 1/4"	15'
9",9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

DEPARTMENT OF TRANSPORTATION

DOWEL

BARS ANCHORED

EXISTING PAVEMENT,

15" C-C

LANE

WIDTH

LANE

WIDTH

STATE OF WISCONSIN

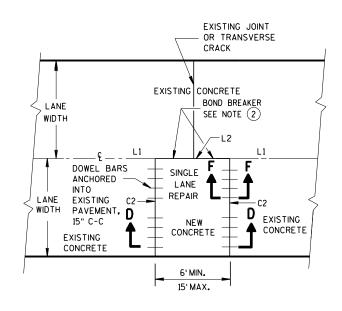
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INTO EXISTING PAVEMENT

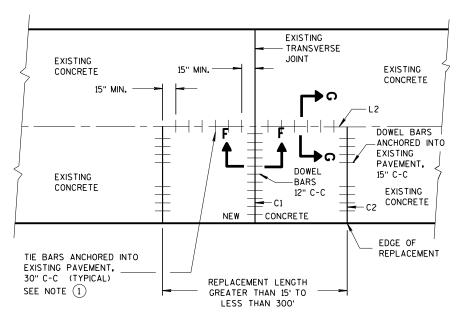
SEE DETAIL L2 -

GENERAL NOTES

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



PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPAIR



PLAN VIEW
SINGLE LANE
CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2018

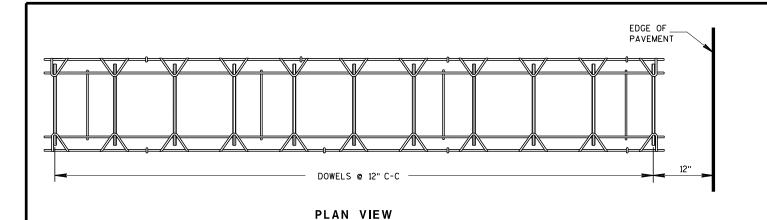
DATE

FHWΔ

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

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PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6",6 ½"	NONE	12'
7",7 1/2"	1"	14'
8",8 1/2"	1 1/4"	15'
9",9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

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

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

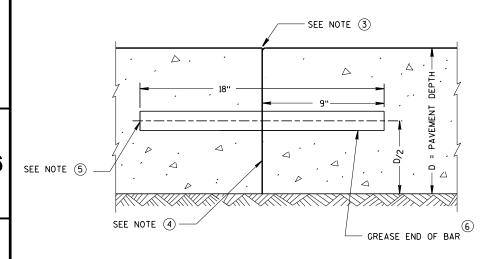
CONSTRUCTION JOINTS

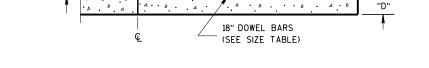
LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

- (1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.
- ② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT LIPON FIELD CONDITIONS
- (3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.
- 4 PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- (5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING.
 INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT
 EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF
 DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL
 BARS ACCORDING TO DRILLED DOWEL BAR CONSTRUCTION JOINT DETAIL.
- (6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- (7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY





DRILLED DOWEL BAR CONSTRUCTION JOINT $^{\scriptsize \bigcirc}$

1'-3",1'-3" | 1'-3", 1'-3", 1'-3", 1'-3", 2'-0", 1'-3", 1'-3", 1'-3"

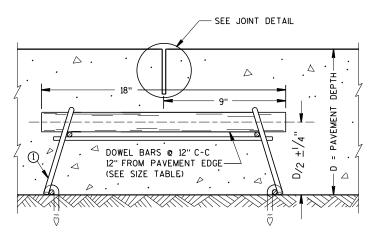
(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O")

PAVEMENT

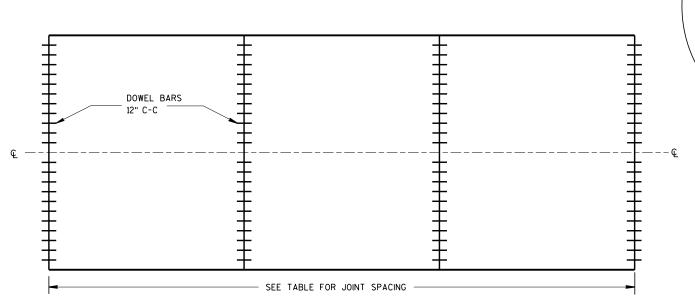
DEPTH

LANE WIDTH

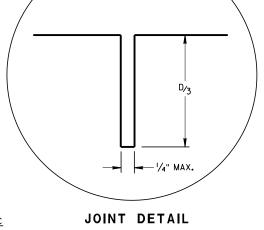
TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

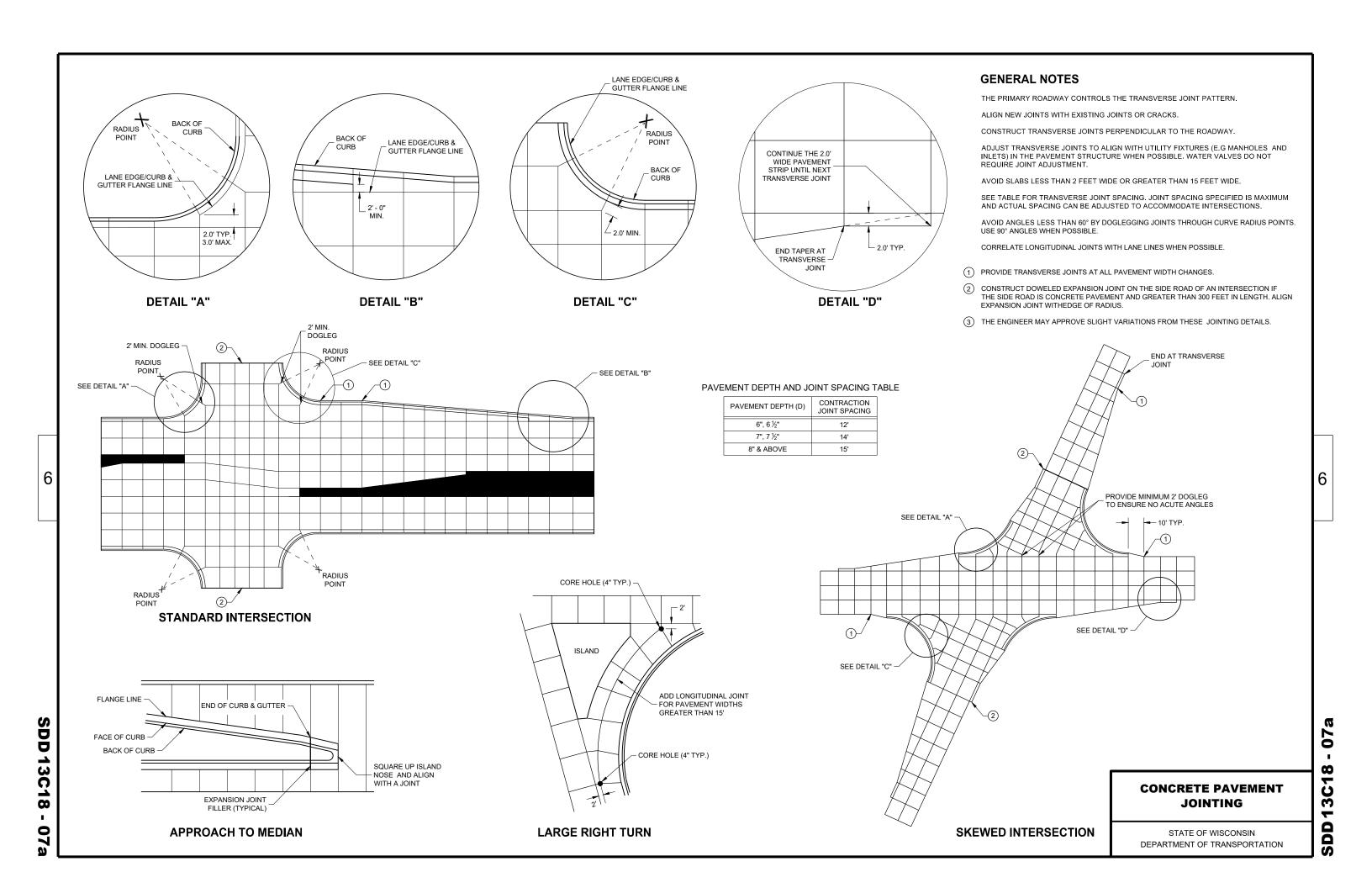
March 2018

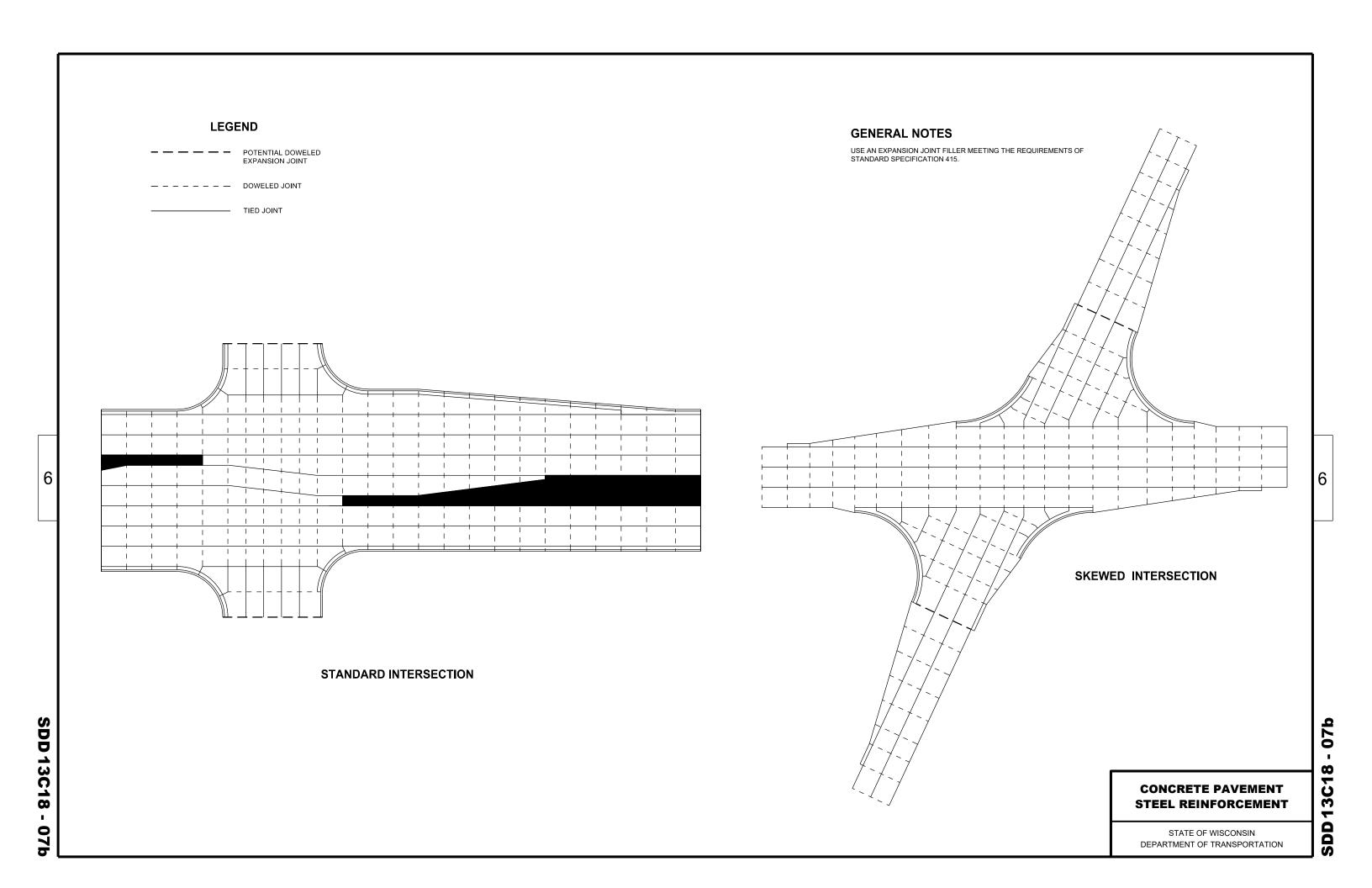
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/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

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STATE OF WISCONSIN

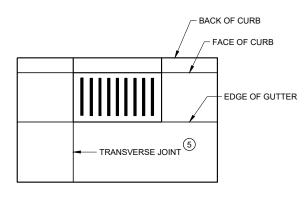
DEPARTMENT OF TRANSPORTATION

NO BOXOUT

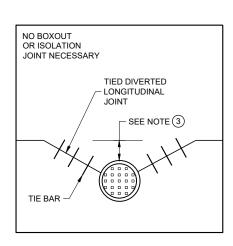
OR ISOLATION

JOINT NECESSARY

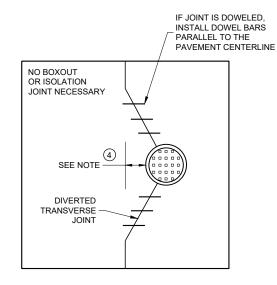
MANHOLE WITH TRANSVERSE JOINT



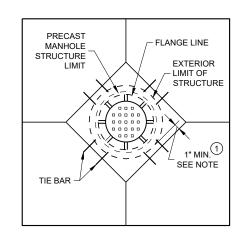
INLET WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

GENERAL NOTES

- (1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
- 2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- $\ensuremath{\mathfrak{J}}$ IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
- (4) IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

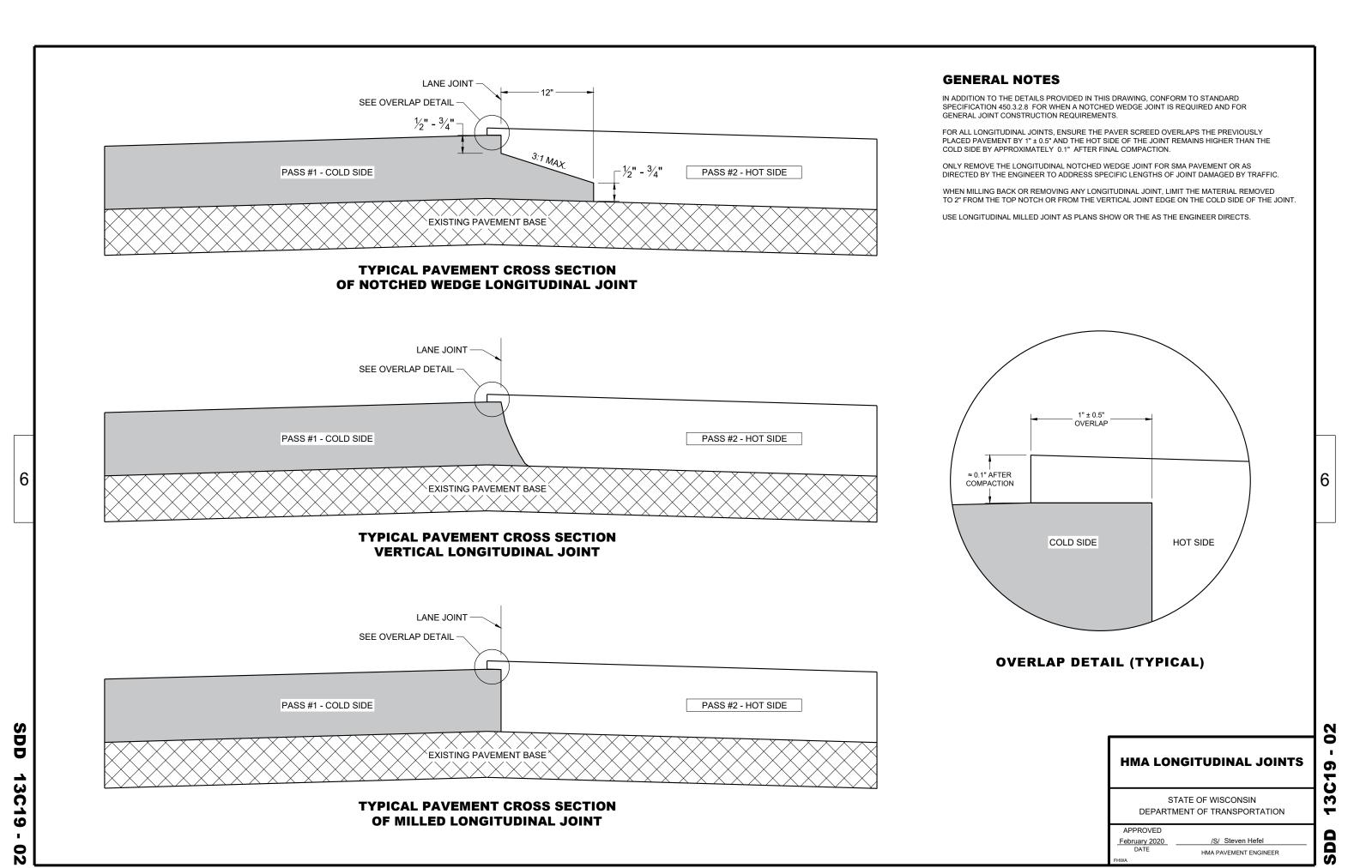
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

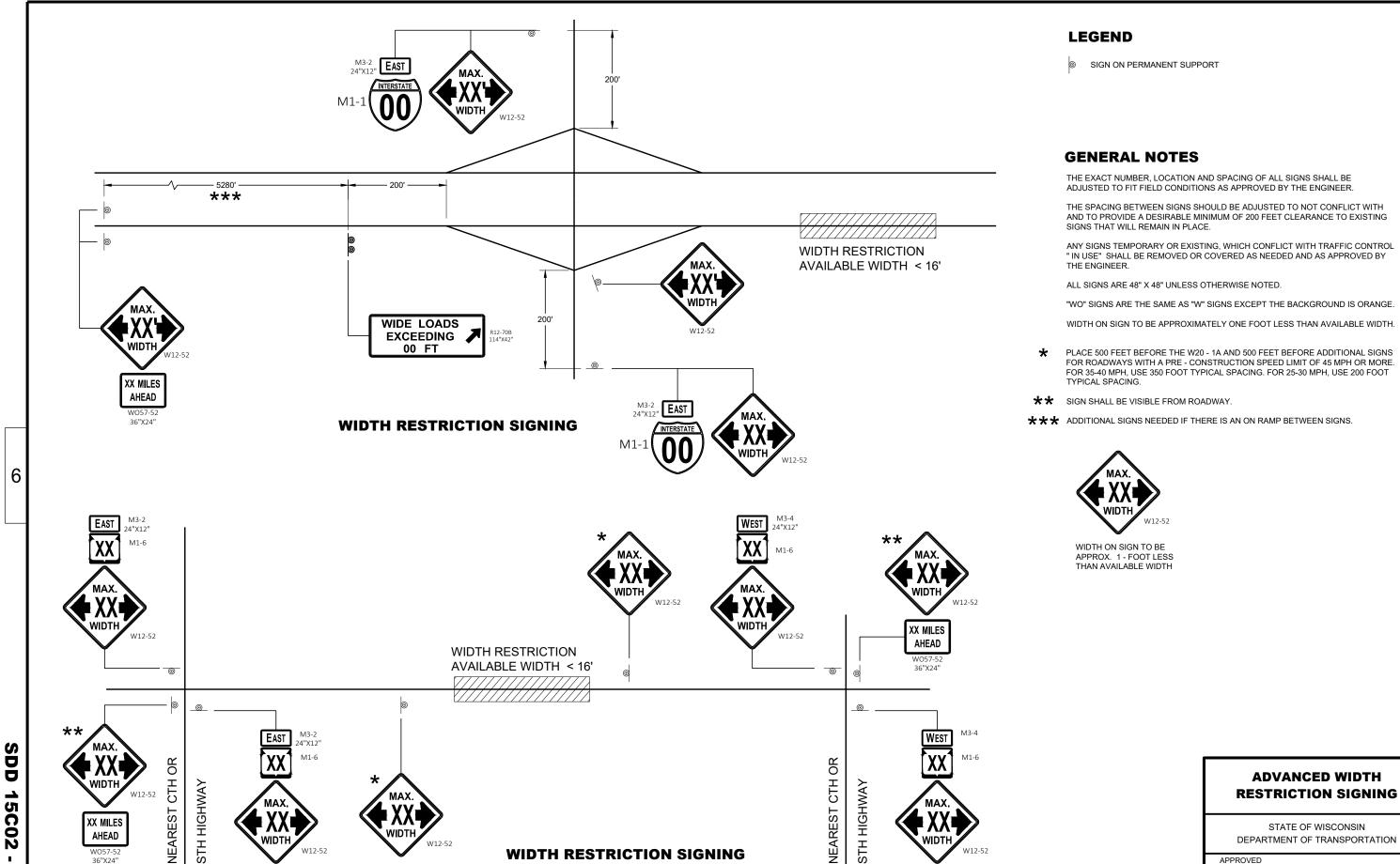
APPROVED

November 2018 DATE /S/ Peter Kemp P.E. PAVEMENT SUPERVISOR

SDD 13C18 0

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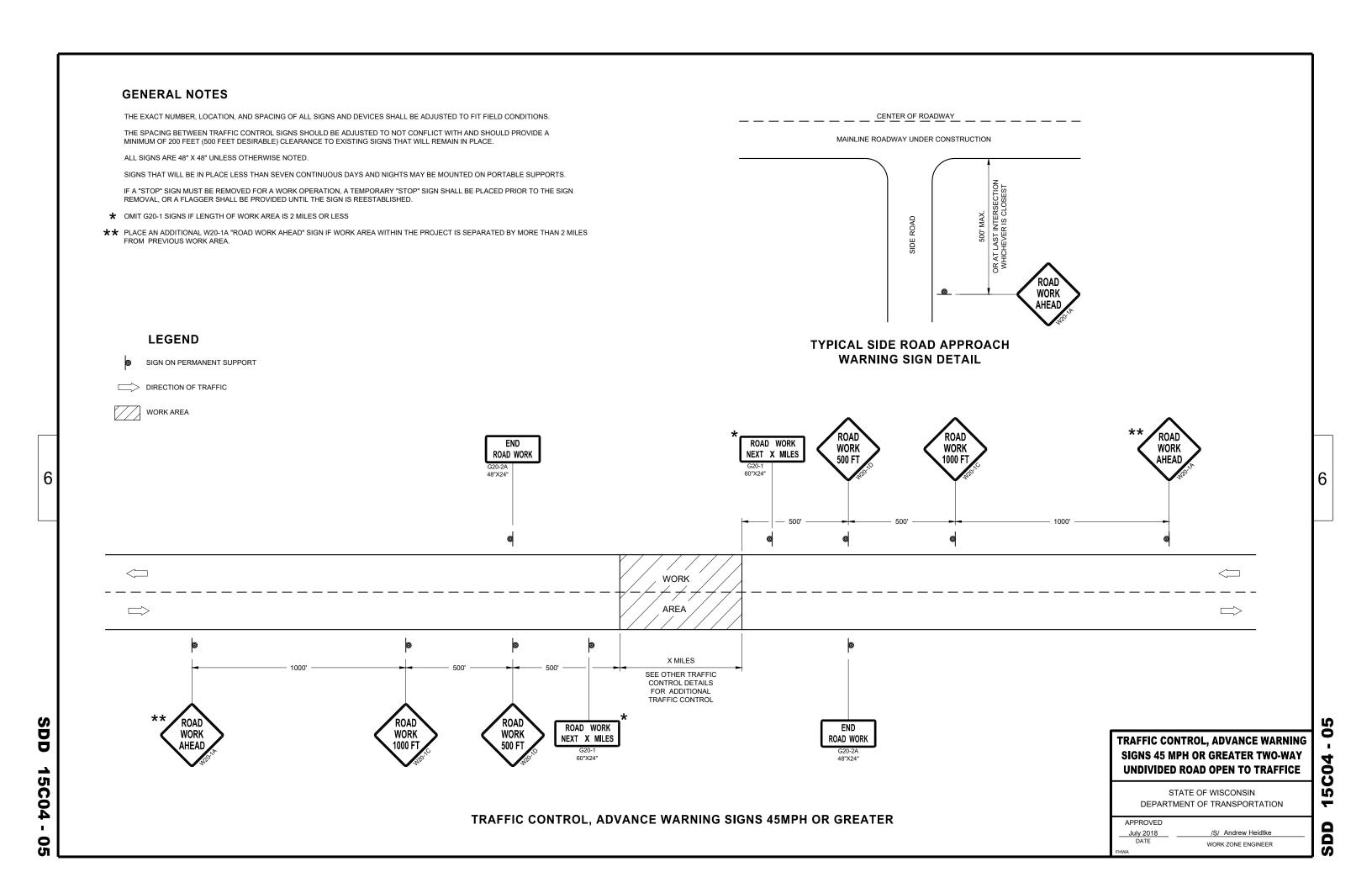
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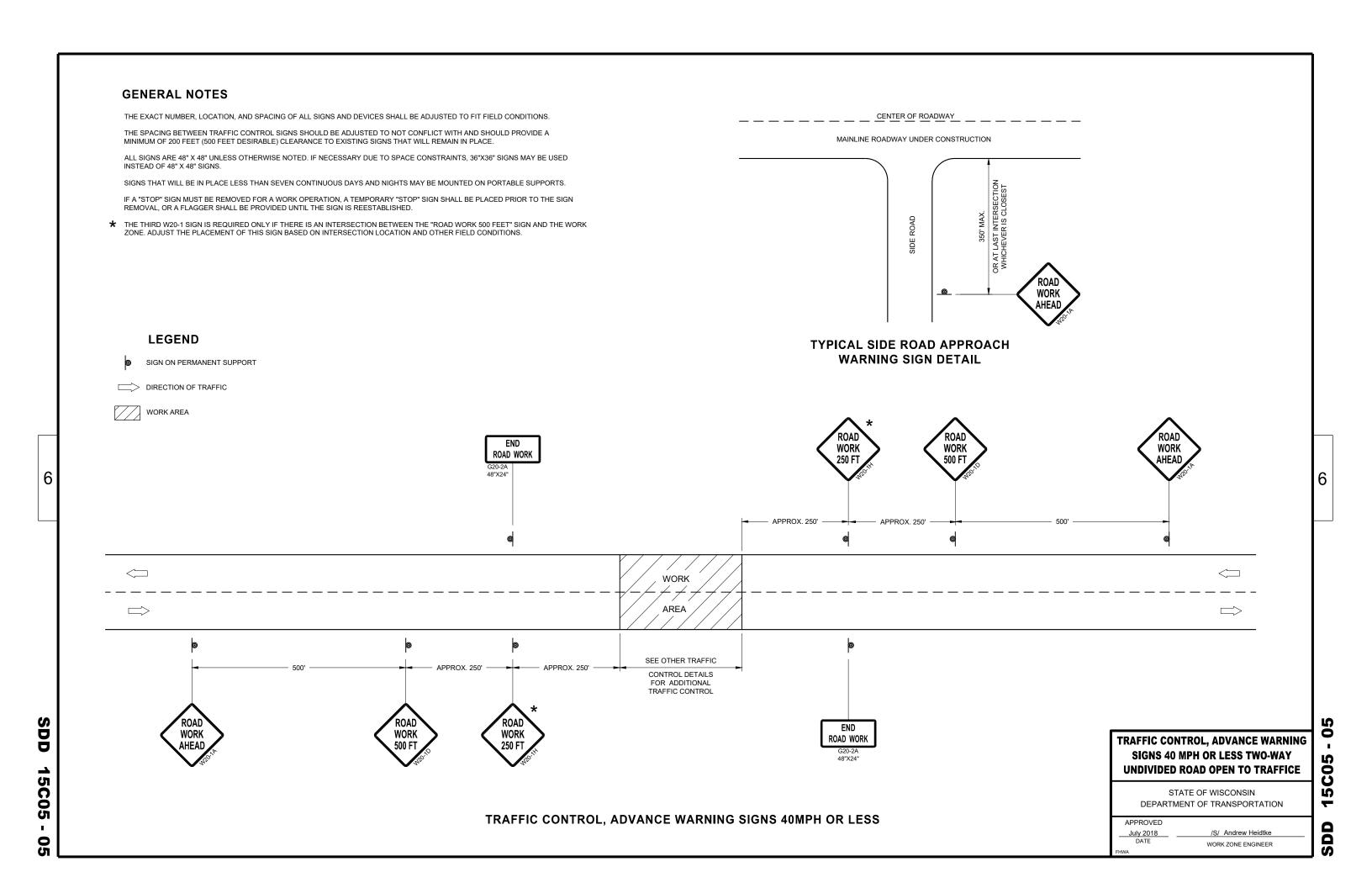
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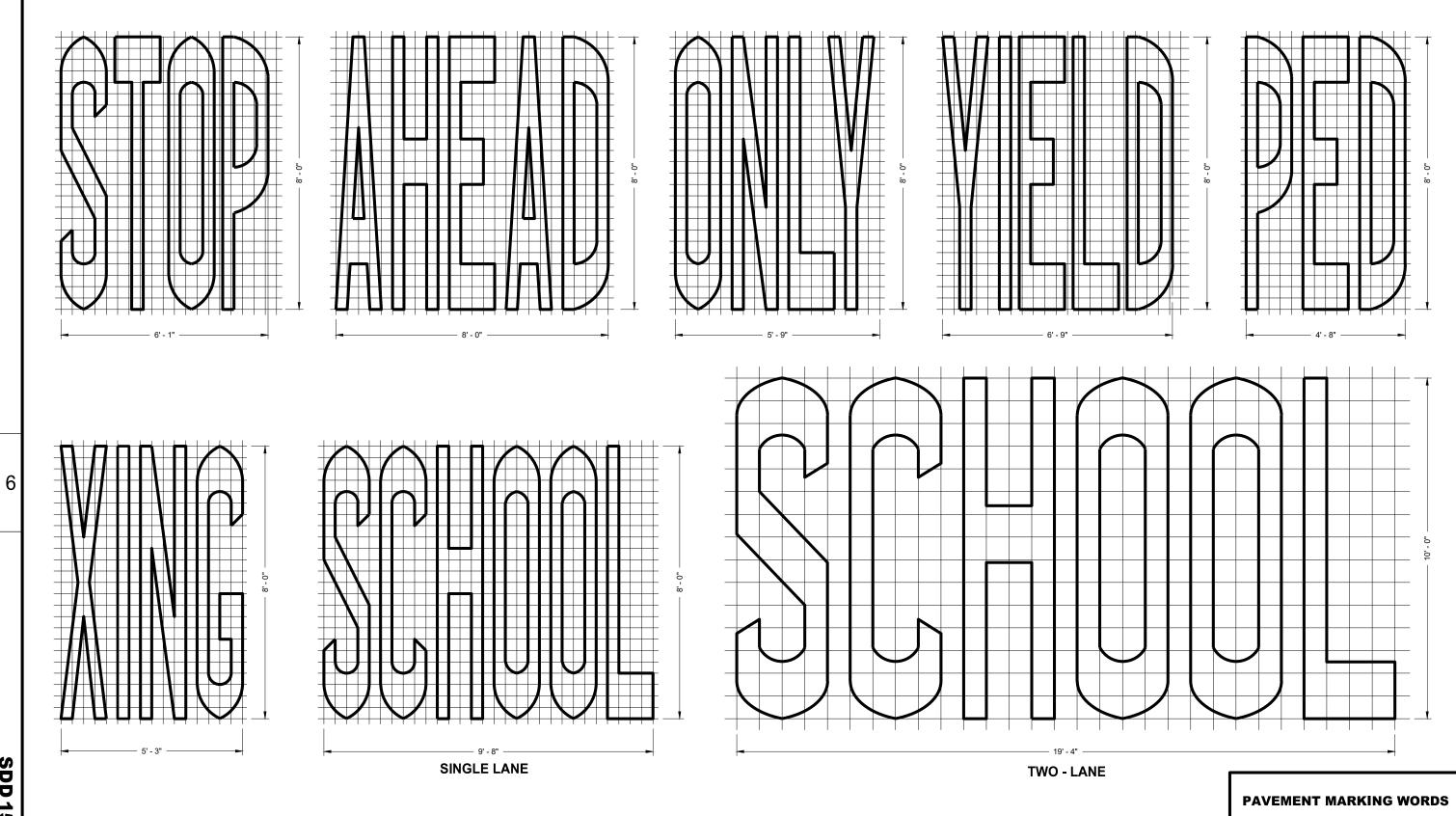
DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER







SDD 15C07 15b

GENERAL NOTES

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

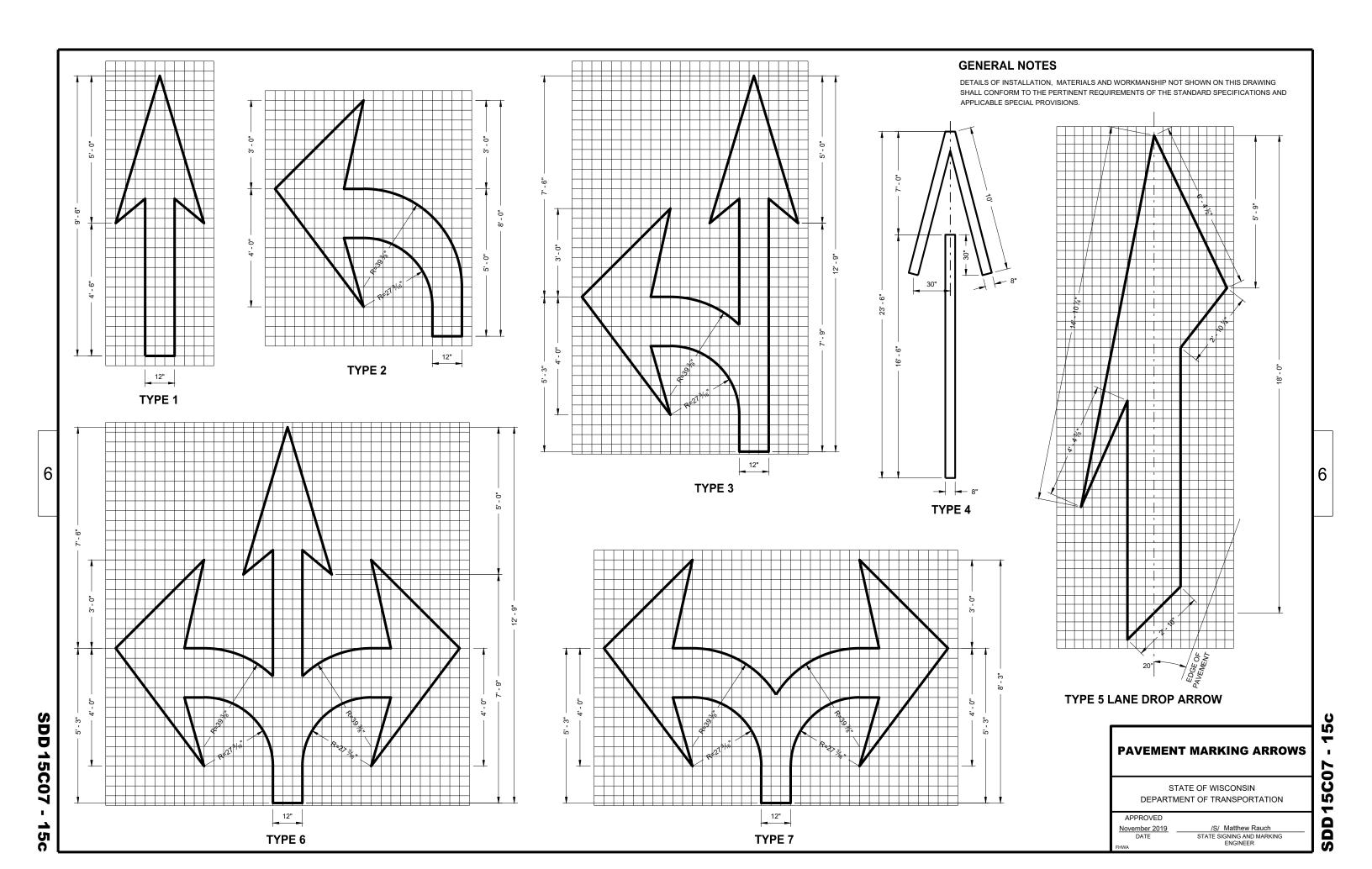
November 2019 ____

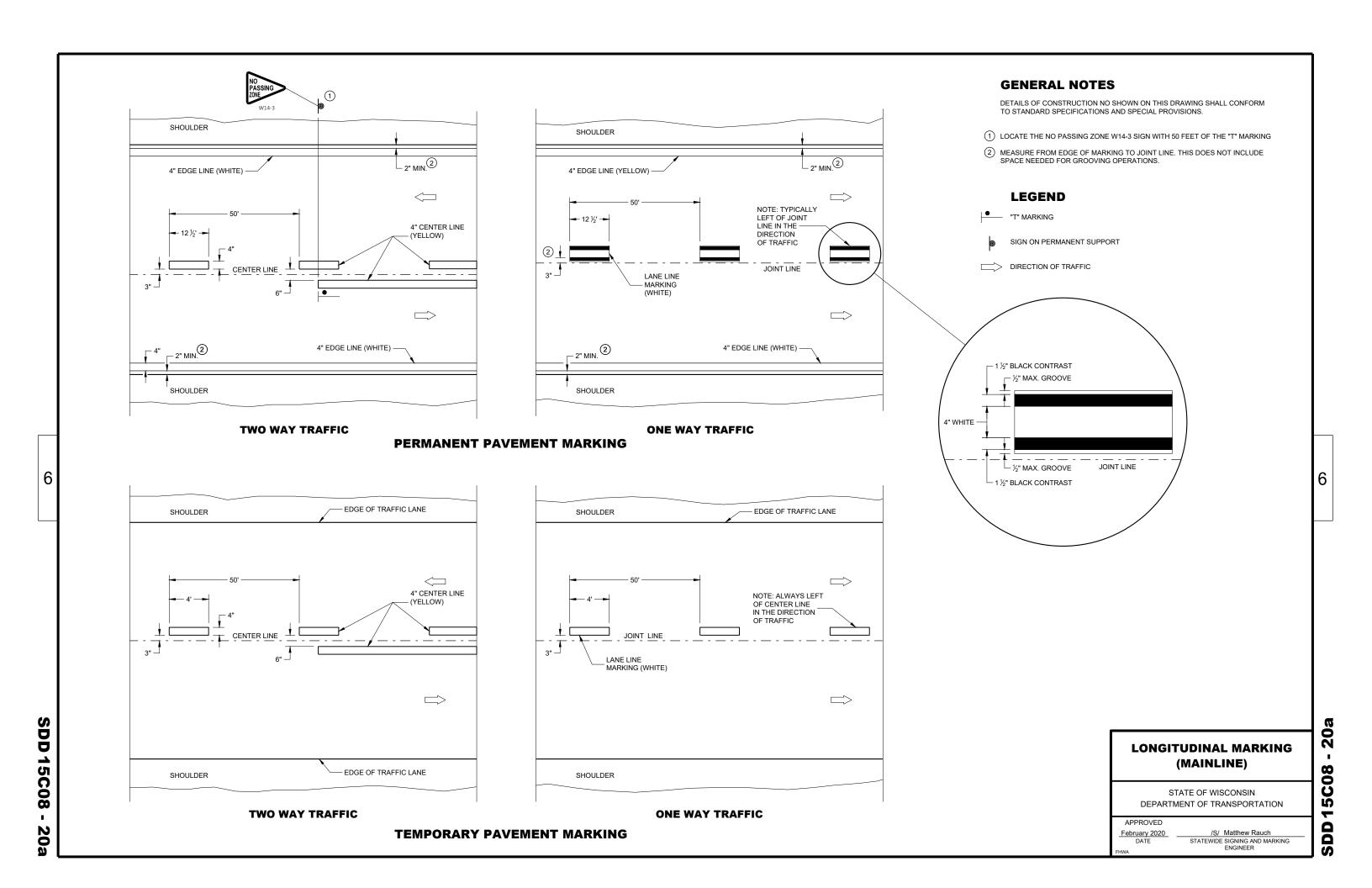
/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

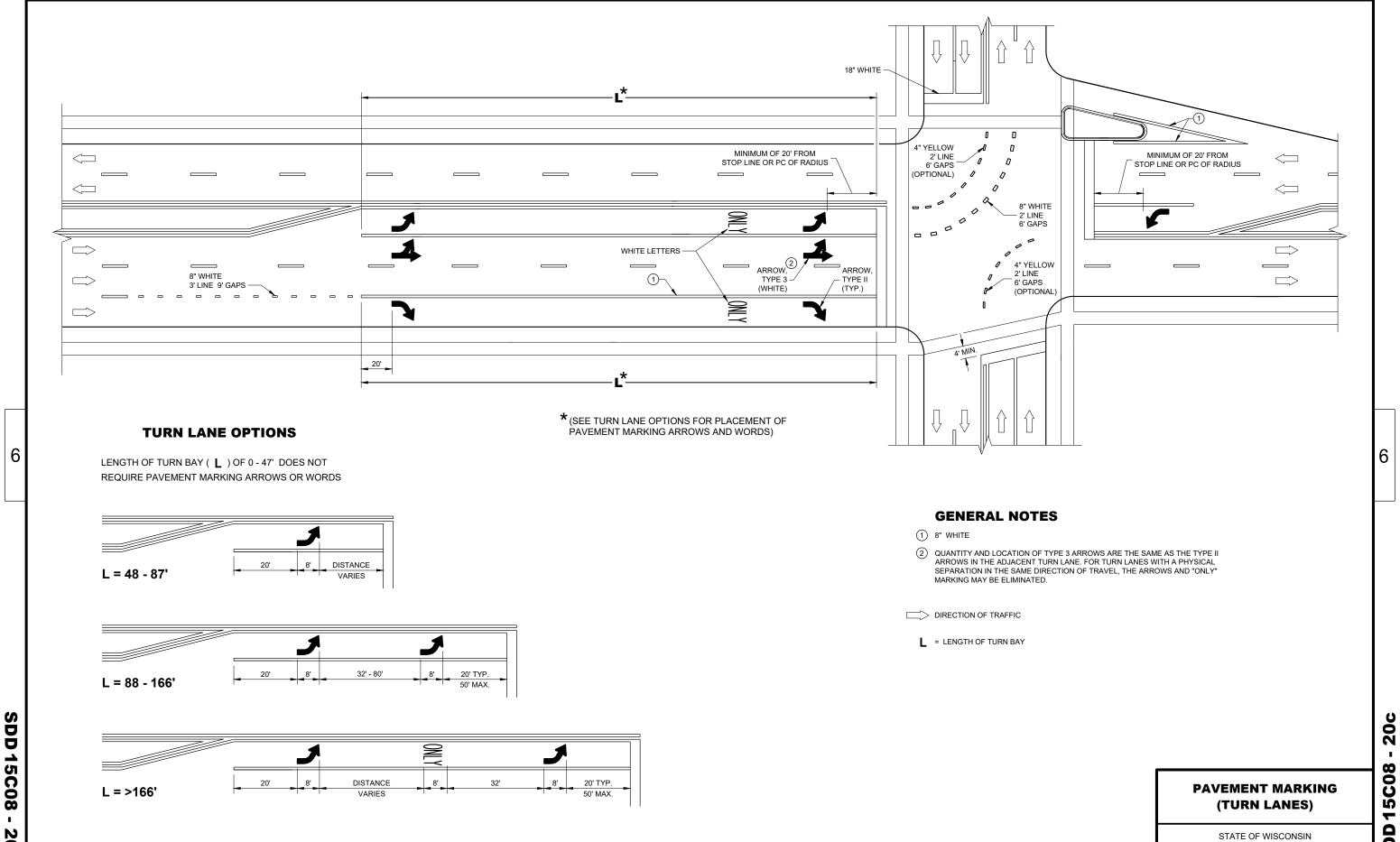
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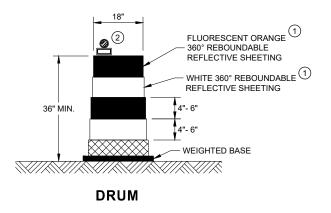
SDD 15C08

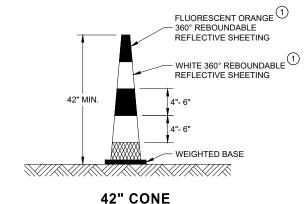
DEPARTMENT OF TRANSPORTATION

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.



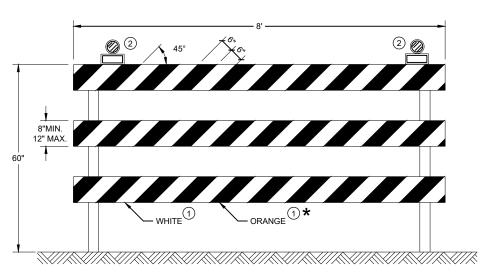


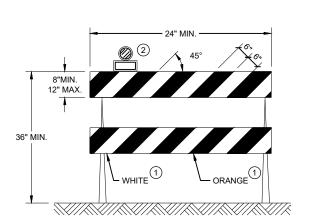


THE STRIPES SHALL SLOPE DOWNWARD TO

THE TRAFFIC SIDE FOR CHANNELIZATION.

DO NOT USE IN TAPERS ½ SPACING OF DRUMS





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

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

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LEGEND GENERAL

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR OUT IF

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

ROAD

ŔUMBLĖ

STRIPS



RUMBLE

STRIPS

WORK

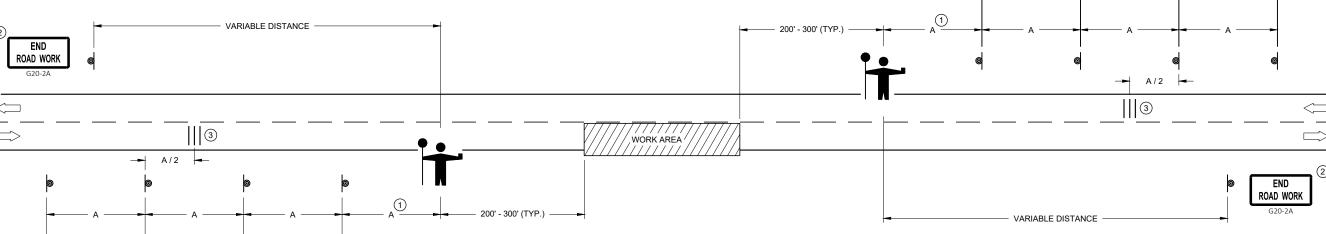
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED,
THIS SIGN SHALL BE LOCATED BETWEEN THE
W20-7A AND W20-4A SIGNS, USING SPACING "A"



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

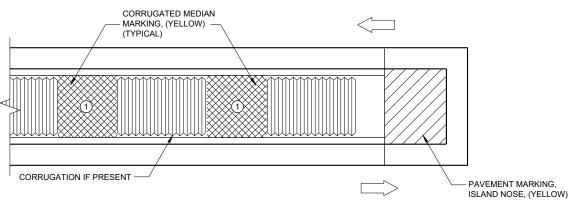
APPROVED	
May 2019	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
DATE	WORK ZONE ENGINEER

15C12 - 07

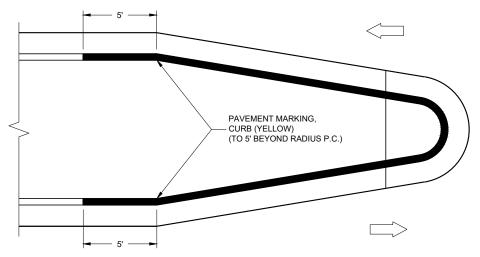
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WORK ZONE ENGINEER

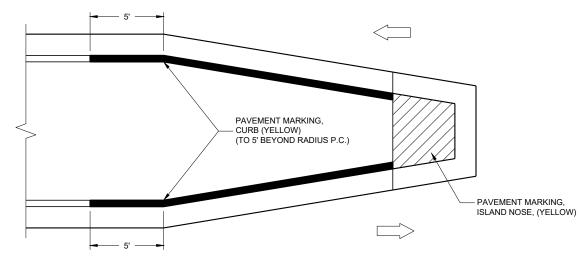
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MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

CURB MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

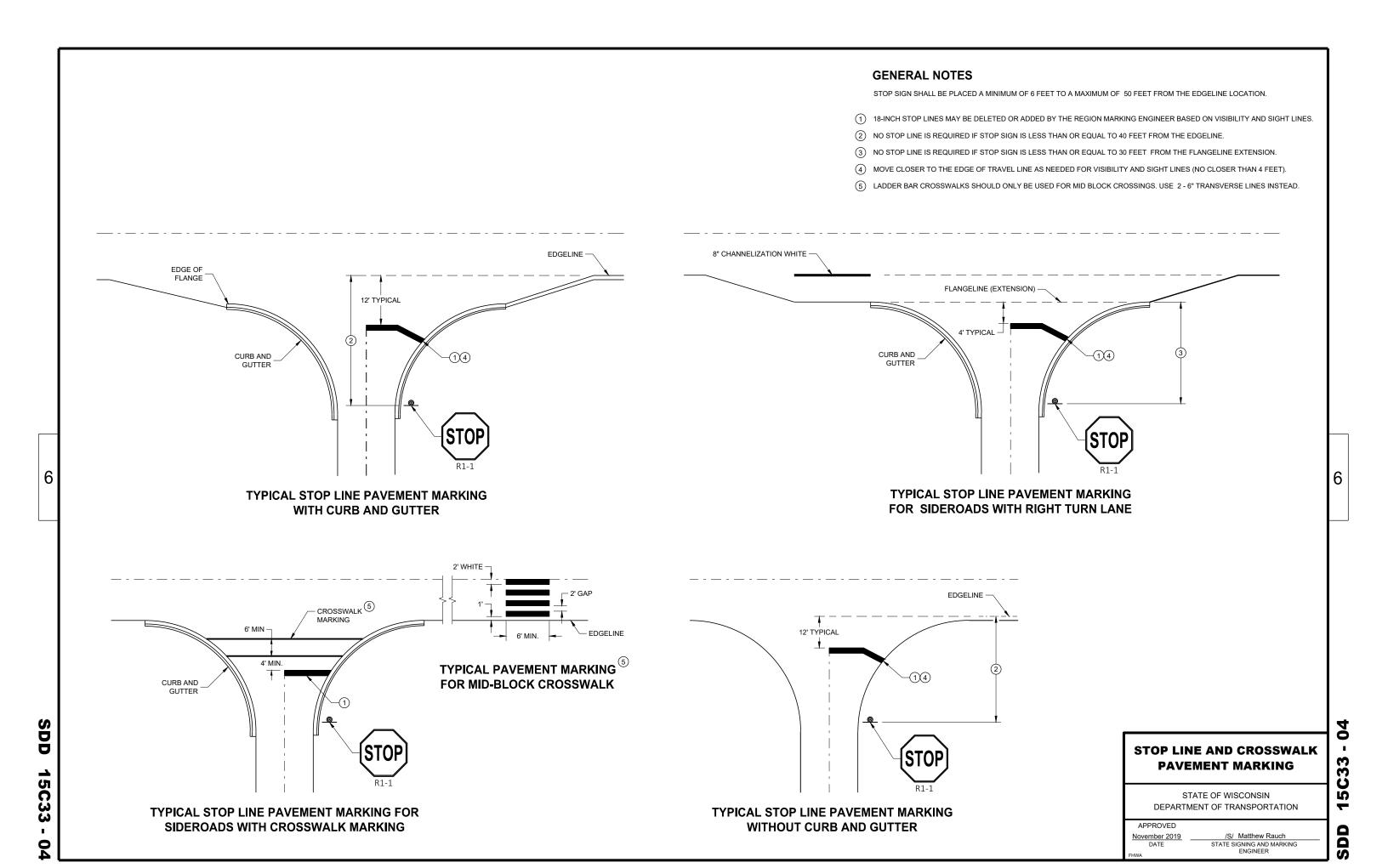
PAVEMENT MARKINGS (ISLANDS)

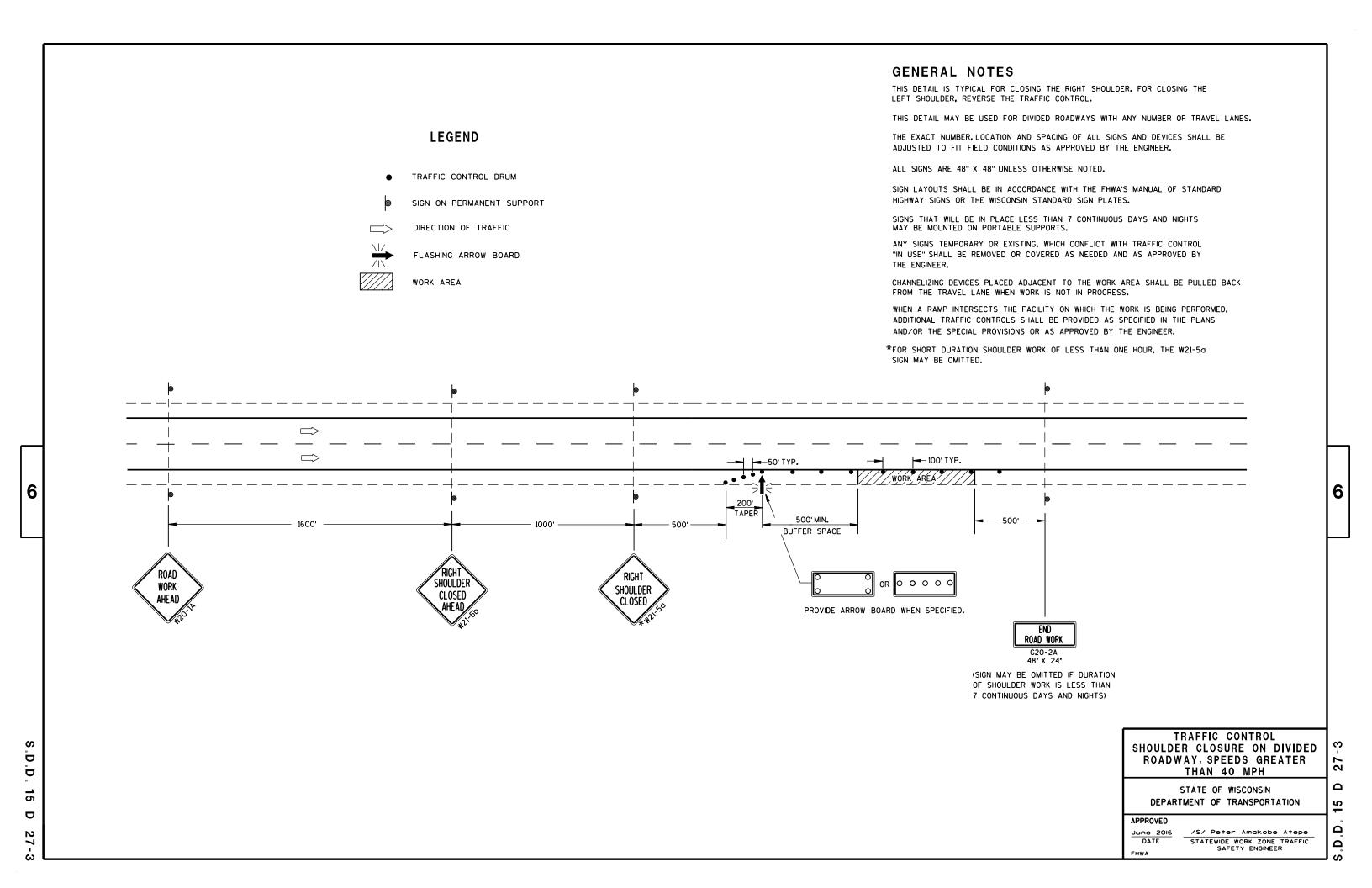
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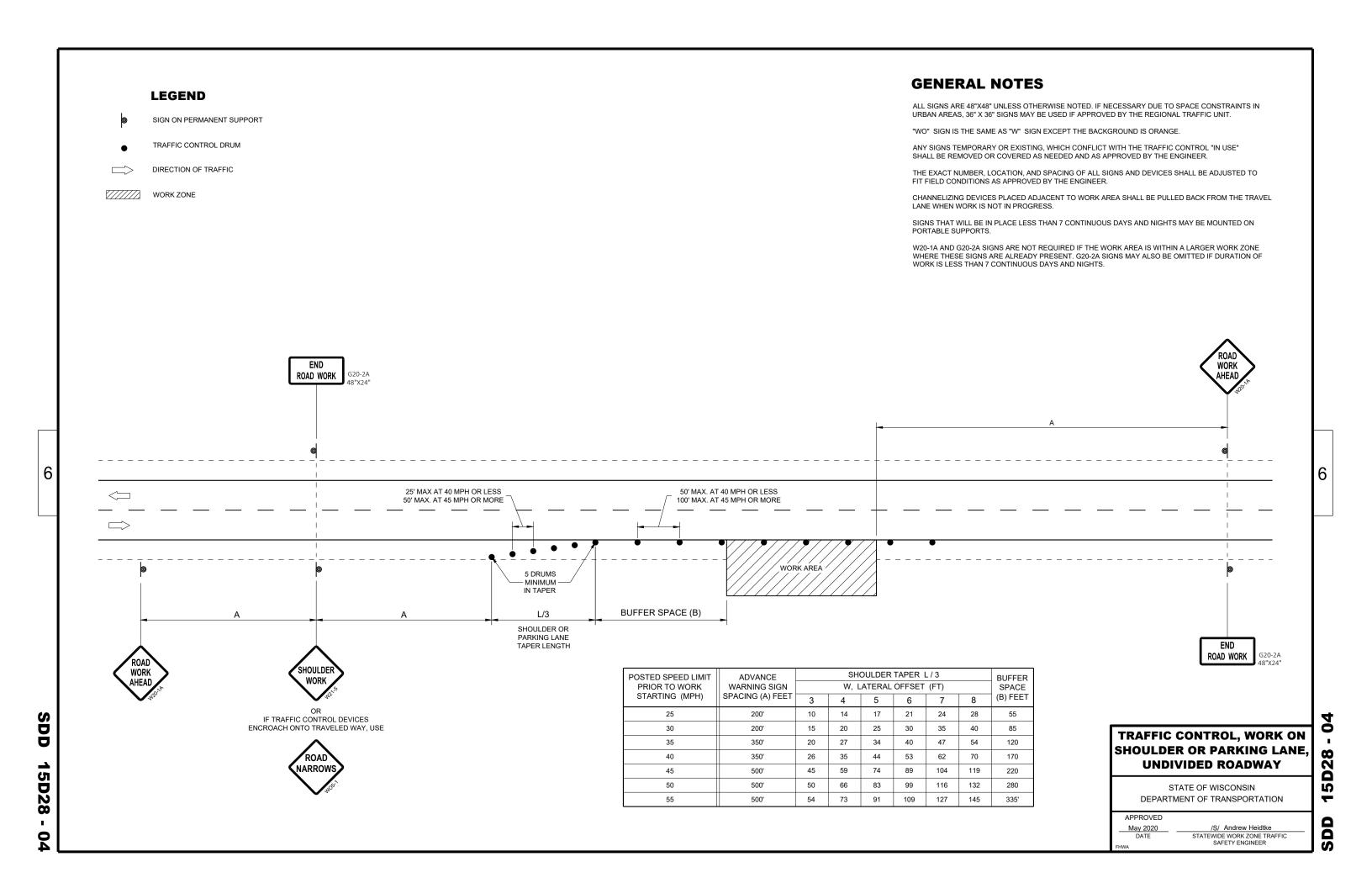
SDD 15C27

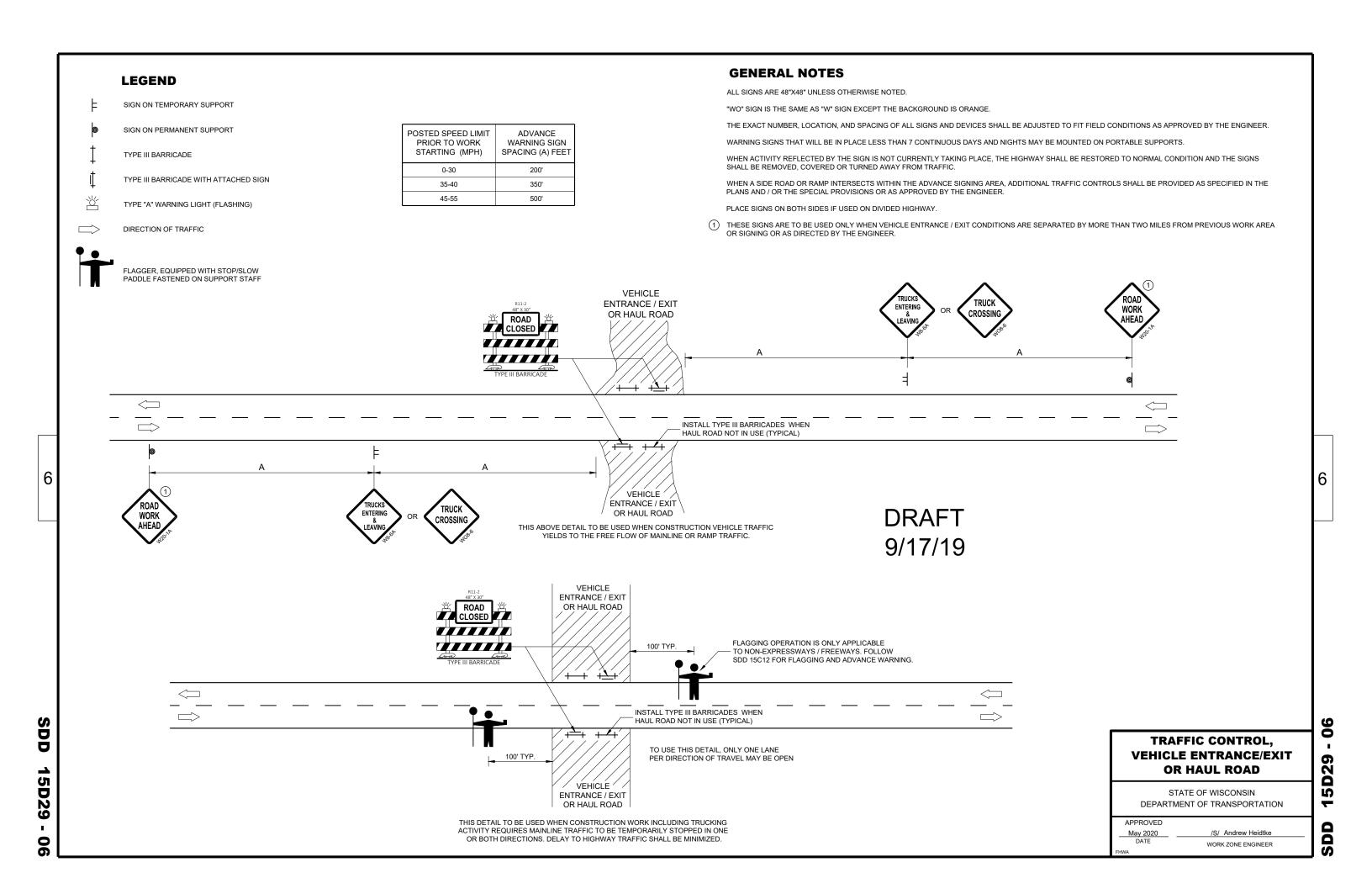
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
7/2018	/S/ Matthew R. Rauch
DATE	STATE SIGNING AND MARKING ENGINEER
TIMA	











TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

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

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

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

4" X 6" WOOD POST

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

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

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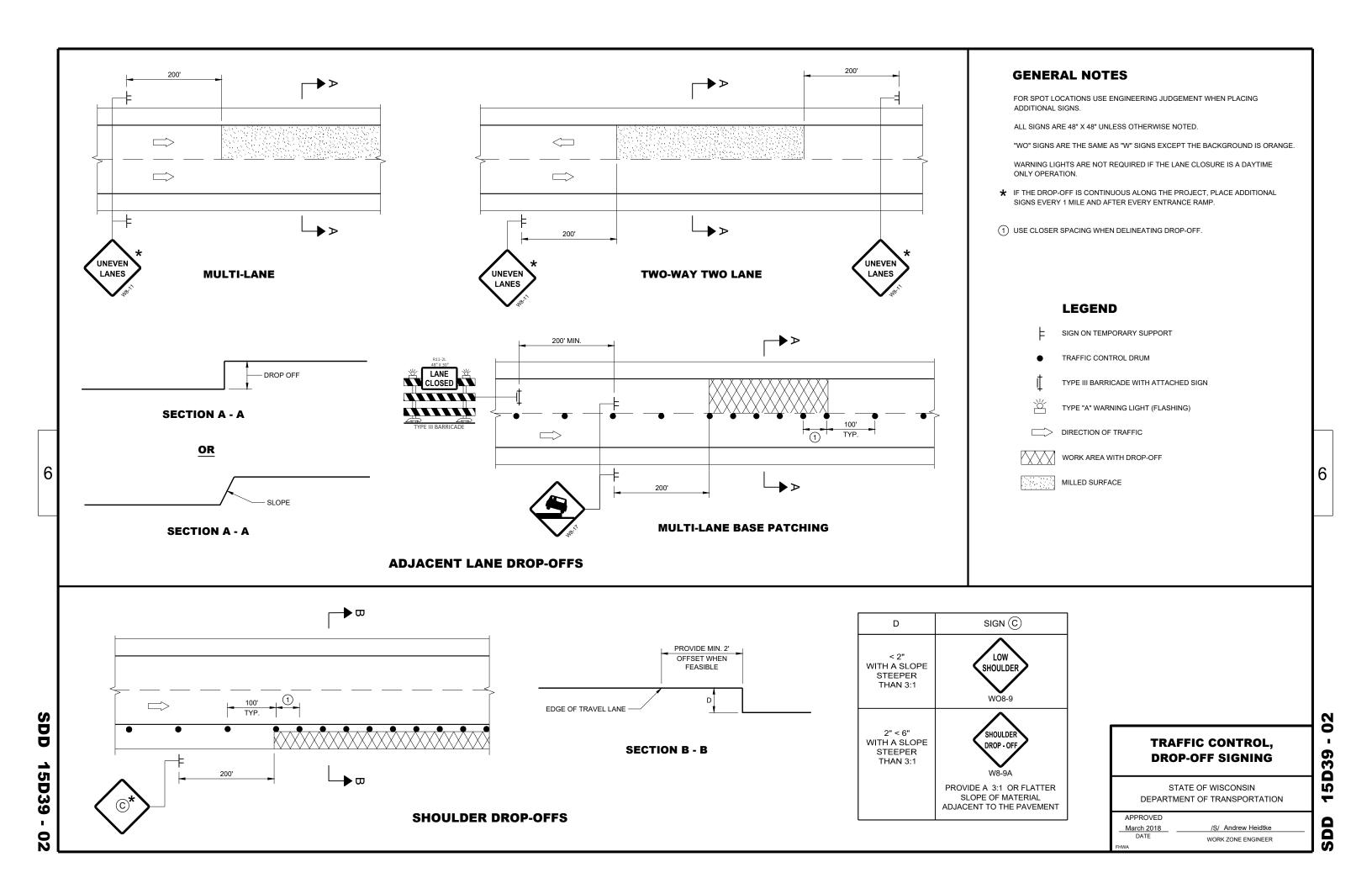
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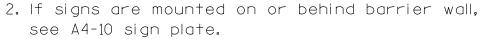
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

> /S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017
DATE





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

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

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

** Curb Flowline

D
White Edgeline Location

*

6'-3"(±)

D |

Outside Edge

of Gravel

White Edgeline
Location

Outside Edge
of Gravel

d.

POST EMBEDMENT DEPTH

Area of Sign
Installation
(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.

HWY:

* 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.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther & Rawk For State Traffic Engineer

DATE 5/13/2020 PLATE NO. _A4-3.22

SHEET NO:

Ε

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

PROJECT NO:

PLOT DATE: 13-MAY 2020 1:04

COUNTY:

PLOT BY : mscj9h

PLOT NAME :

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

APPROVED



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

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'' (±) or 6'-3'' (±) depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8). Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4''-3'' (±).
- * 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- ** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- ** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	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 (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

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

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

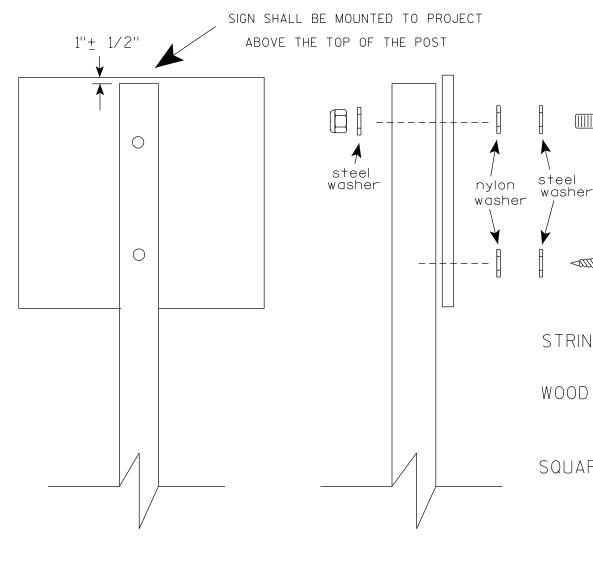
WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



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 - $\frac{1}{32}$ " (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 Matthew

For State Traffic Engineer

SHEET NO:

DATE <u>4/1/202</u>0

PLATE NO. <u>44-8.9</u>

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

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



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

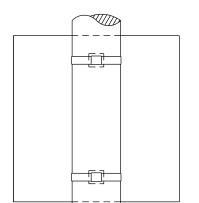
DATE 2/05/15

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

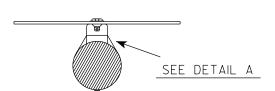
For State Traffic Engineer

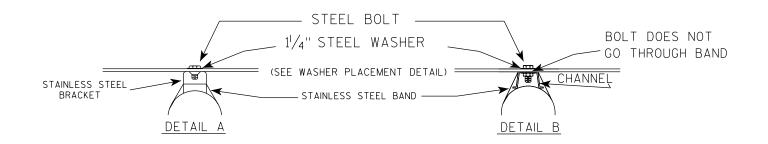


BANDING

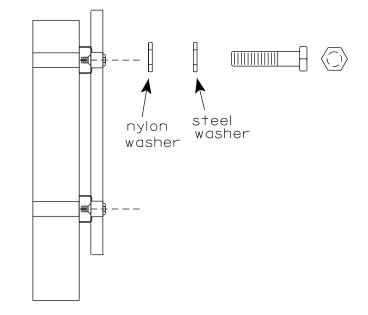


SINGLE SIGN





WASHER PLACEMENT



HWY:

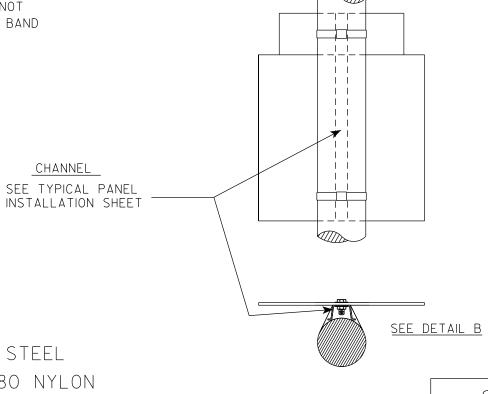
WASHERS (ALL POSTS) -

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

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:

State Traffic Engineer

Ε

APPROVED

DATE 6/10/19 PLATE NO. A5-9.4

COUNTY:

PLOT DATE: 10-JUN 2019 4:10

PLOT NAME :

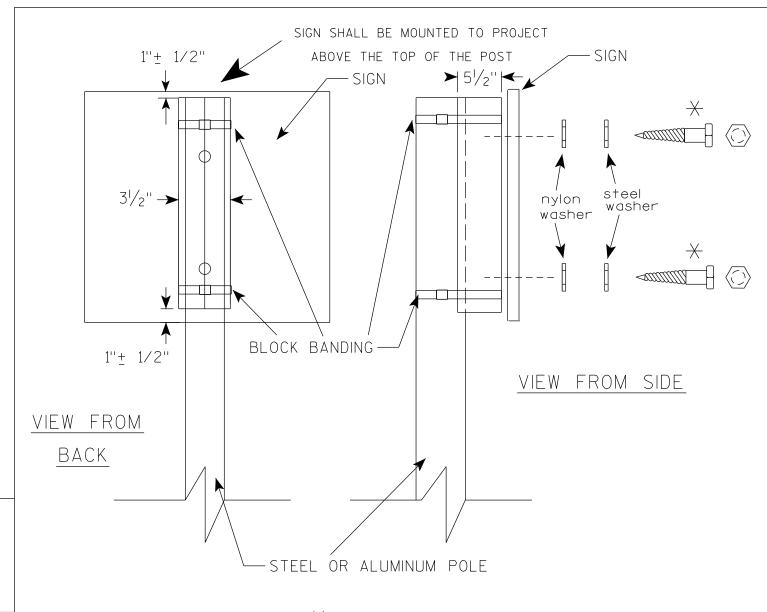
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

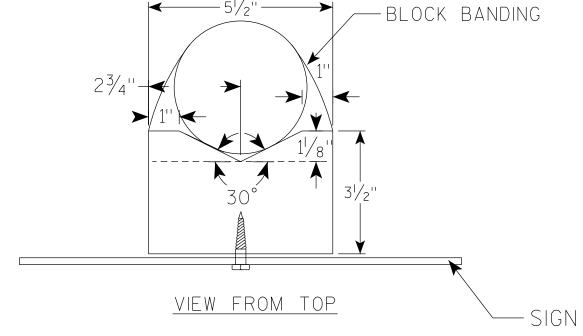
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn

PROJECT NO:

PLOT BY: mscj9h

CHANNEL





GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

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

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

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

| APPROVED

For State Traffic Engineer

SHEET NO:

Matthew R

DATE 6/10/19

PLATE NO. _A5-10.2

PROJECT NO:

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

PLOT DATE: 10-JUN 2019 4:15

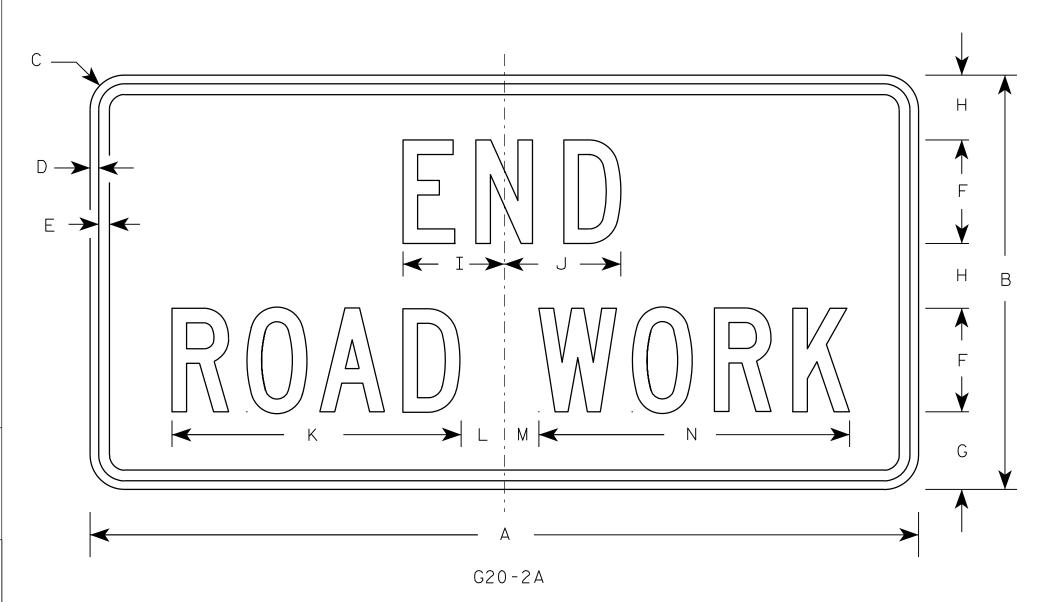
PLOT BY: mscj9h

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

2. Color:

Background - Orange Message - Black

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



Metric equivalent for this sign is:

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

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 110 00 00 110

for State Traffic Engineer

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

SHEET NO:

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

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

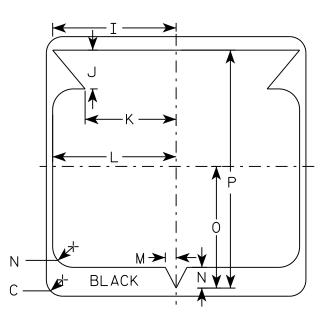
5.561773:1.000000 WISDOT/CADDS SHEET 42

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

Background - White Message - Black

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

	G F A H H
A A	
M1-6	1



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																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 1/8	11 1/2	1	1 1/8	11 1/4	21 1/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 ¾	5	12 5/8	17 1/8	1 1/2	2 1/8	16 1/8	33											9.0

COUNTY:

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

for State Traffic Engineer

DATE 3/16/18

PLATE NO. <u>M1-6.10</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M16.DGN

HWY:

PROJECT NO:

PLOT DATE: 16-MAR-2018 14:11

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

PLOT SCALE : 6.655277:1.000000







MP3-1









HWY:



NOTES

- 1. All Signs Type II Type H
- 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.

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	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			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

COUNTY:

STANDARD SIGNS M3-1 thur M3-4 **SERIES**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 10/15/15 PLATE NO. M3-1.14

Ε

SHEET NO:

FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

PLOT RY . \$\$ plotuser \$\$ PLOT NAME :

PLOT SCALE . 11 675051.1 000000



- 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

- 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 sq ft for Size 3
 - 40.0 sq ft for Size 4 or 5
- 5 Letters = 18.75 sq ft for Size 2 30.0 sq 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,H 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 sq ft for Size 3 2.0 sq ft for Size 4 or 5 STANDARD SIGN R3-8 Series

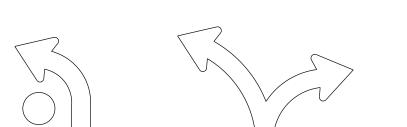
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rawh

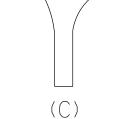
For State Traffic Engineer

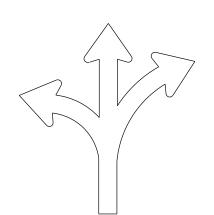
DATE <u>5/21/19</u> PLATE NO. R3-8.1

SHEET NO:

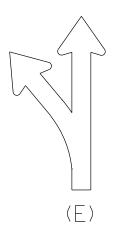


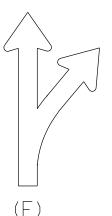
ONLY (B)

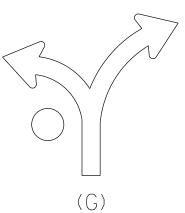


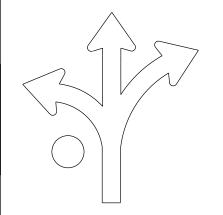


 (Δ)

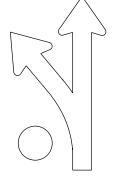






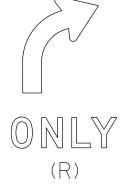


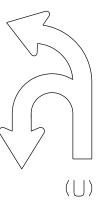
(H)



 (\top)







PROJECT NO:

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

PLOT DATE: 21-MAY 2019 4:37

PLOT BY: mscj9h

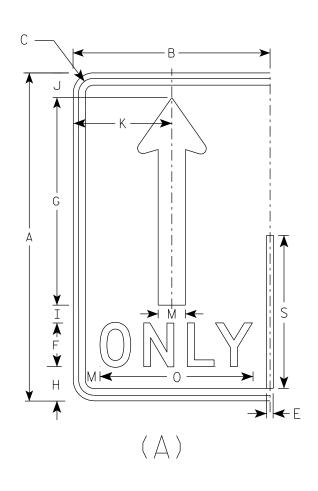
PLOT NAME :

Ε

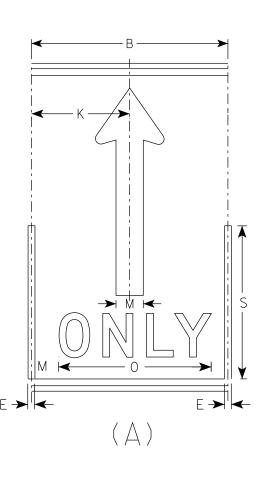
- 1. Sign is Type II Type H Reflective
- 2. Color:

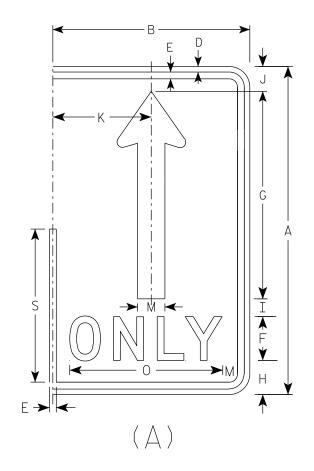
Background - White Message - Black

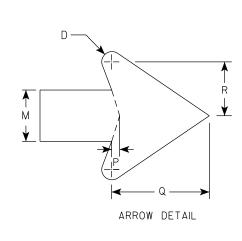
3. Message Series - D



HWY:







SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Х	Y	Z	Area sq. ft.
1																											
25	30	18	1 3/8	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
2M	30	18	1 3/8	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
3	36	24	1 3/8	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 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 1/8	3 5/8	15		4		21 3/4	5/8	7 5/8	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 5/8	4 1/4	22 3/8						·		10.0

COUNTY:

STANDARD SIGN R3-8 (A) Arrow WISCONSIN DEPT OF TRANSPORTATION APPROVED State Traffic Engineer DATE 5/21/19 PLATE NO. <u>R3-8.1</u> Ε SHEET NO:

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

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

PLOT BY : mscj9h

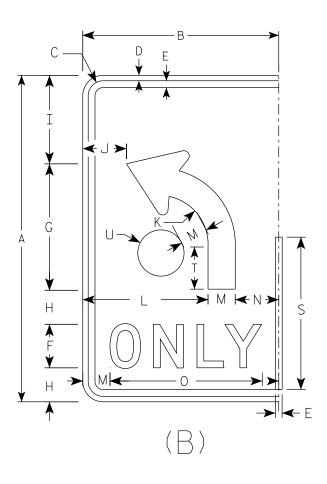
PLOT NAME :

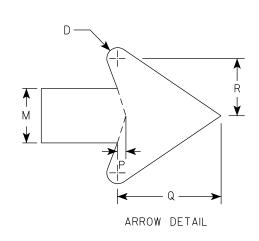
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

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

Background – White Message – Black

Message Series - D





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Χ	Y	Z	Area sq. ft.
1																											
25	30	18	1 3/8	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
2M	30	18	1 3/8	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	36	24	1 3/8	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 ¾	4 5/8	2 1/2						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	3 3/8						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	3 3/8						10.0

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

STANDARD SIGN

PROJECT NO: SHEET NO:

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

PLOT DATE: 21-MAY 2019 4:38

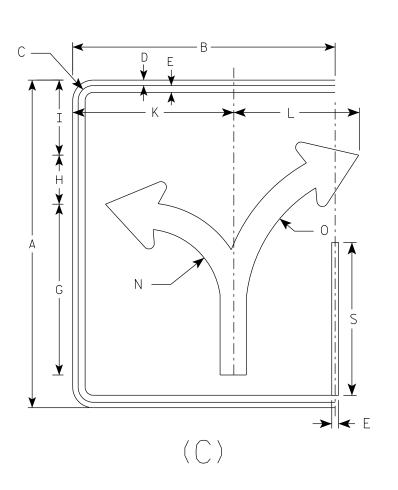
PLOT BY: mscj9h

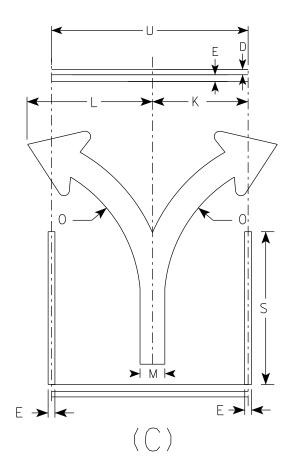
PLOT NAME :

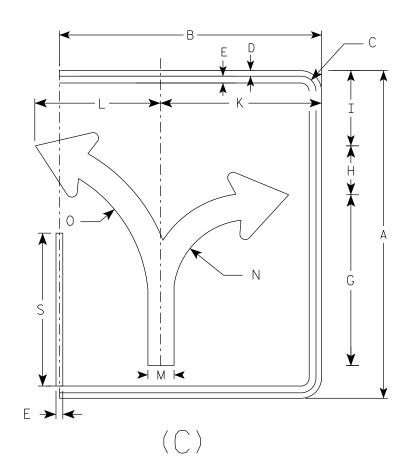
- 1. Sign is Type II Type H Reflective
- 2. Color:

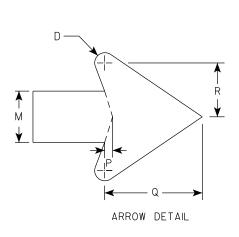
Background - White Message - Black

3. Message Series - None









																										ENDS	MIDDLE
SIZE	Α	В	С	D	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.	Area sq. ft.
1																											
25	30	24	1 3/8	1/2	5/8		15 %	4 1/2	6 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 3/8	1/2	5/8		15 %	4 1/2	6 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
3	36	30	1 3/8	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		24						7.5	6.0
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		30						12.0	10.0
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		30						12.0	10.0

COUNTY:

STANDARD SIGN R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Raw For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO:

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

HWY:

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

PLOT BY: mscj9h

PLOT NAME :

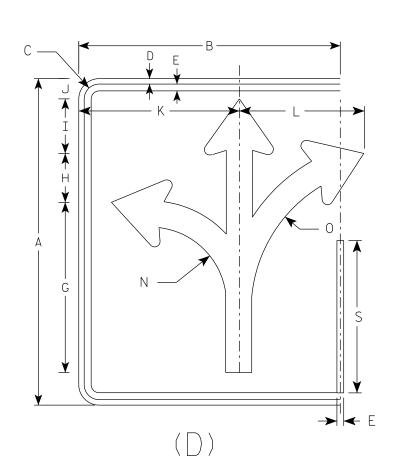
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

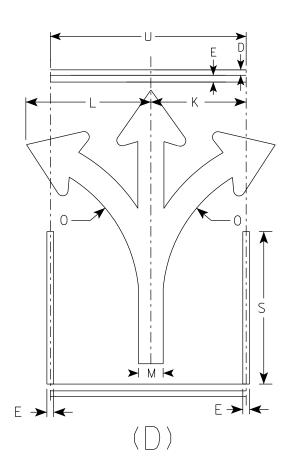
- 1. Sign is Type II Type H Reflective
- 2. Color:

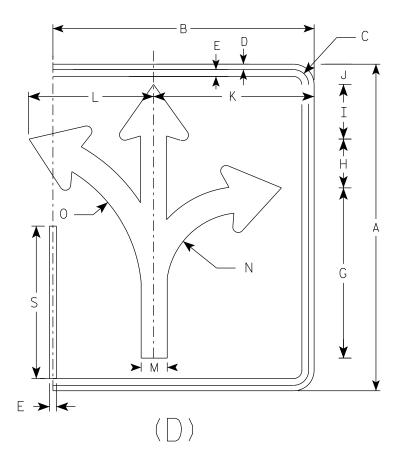
Background - White Message - Black

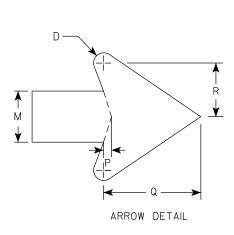
3. Message Series - None

ENDS MIDDLE









																										1
SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	N	0	Р	Q	R	S	T U	٧	W	X	Υ	Z	Area sq. ft.	Area sq. ft.
1																										
25	30	24	1 3/8	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 3/8	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
3	36	30	1 3/8	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

COUNTY:

STANDARD SIGN R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO: **E**

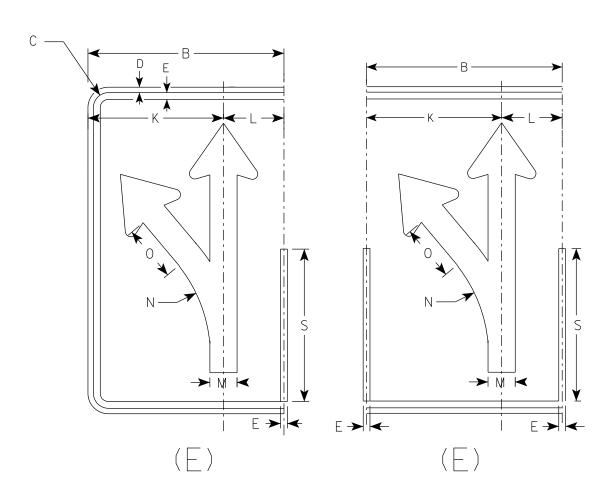
HWY:

PROJECT NO:

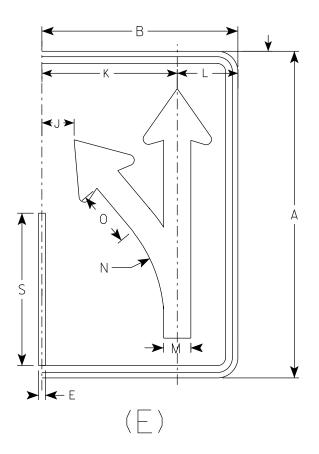
- 1. Sign is Type II Type H Reflective
- 2. Color:

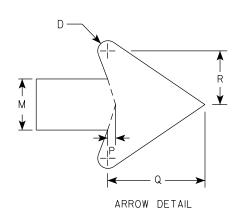
Background - White Message - Black

3. Message Series - None



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	Х	Y Z	Area sq. ft.
1																										
25	30	18	1 3/8	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 3/8	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 3/8	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							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 %	4 1/4	22 3/8							10.0

COUNTY:

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Lawb

For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO: **E**

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

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

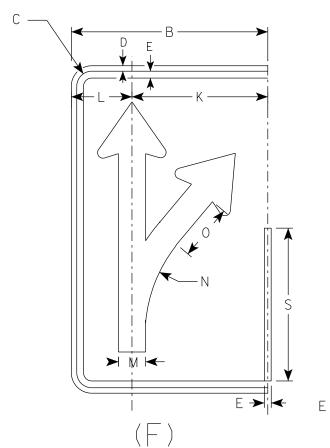
PLOT BY: mscj9h

PLOT NAME :

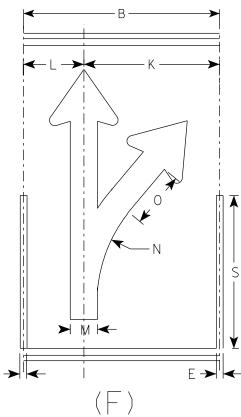
- 1. Sign is Type II Type H Reflective
- 2. Color:

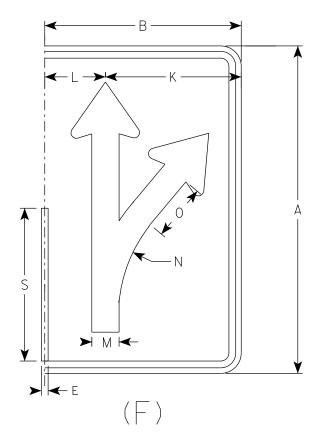
Background - White Message - Black

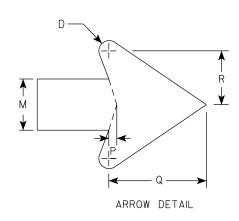
3. Message Series - None



HWY:







SIZE	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																										
25	30	18	1 3/8	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 3/8	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 3/8	1/2	5/8		21 1/8	5 5/8	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							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 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R La For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

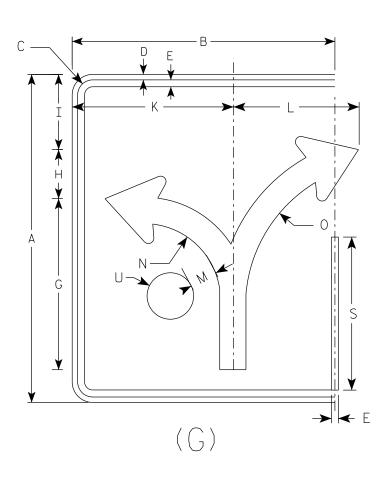
SHEET NO: **E**

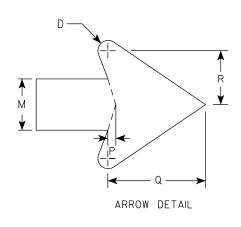
PROJECT NO:

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

Background - White Message - Black

3. Message Series - None





s	IZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	w w	Χ	Y	Z	Area sq. ft.
	1																											
	25	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 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
	2M	30	24	1 3/8	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	36	30	1 3/8	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 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Raw
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO: **E**

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

PROJECT NO:

HWY:

PLOT DATE: 21-MAY 2019 4:38

PLOT BY: mscj9h

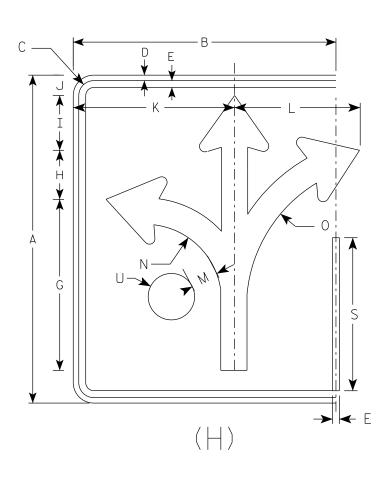
PLOT NAME :

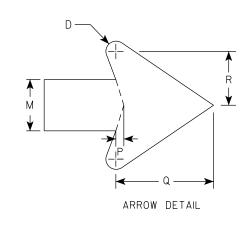
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

- 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	K	L	М	N	0	Р	Q	R	S	T U	V	W	X	Υ	Z	Area sq. ft.
1																										
25	30	24	1 3/8	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	2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		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 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	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	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 3/8						12.0
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	3 3/8						12.0

COUNTY:

STANDARD SIGN R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Roy State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO:

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

HWY:

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

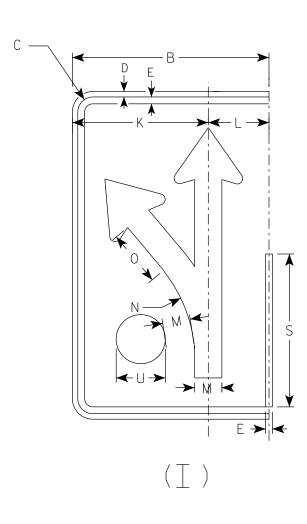
PLOT BY: mscj9h

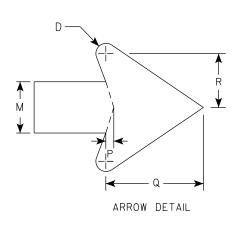
PLOT NAME :

- 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	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Χ	Y	Z	Area sq. ft.
1																											
25	30	18	1 3/8	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 3/8	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 3/8	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	4 1/4	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	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

 f_{or} State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO:

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

HWY:

PROJECT NO:

COUNTY:

PLOT DATE: 21-MAY 2019 4:38

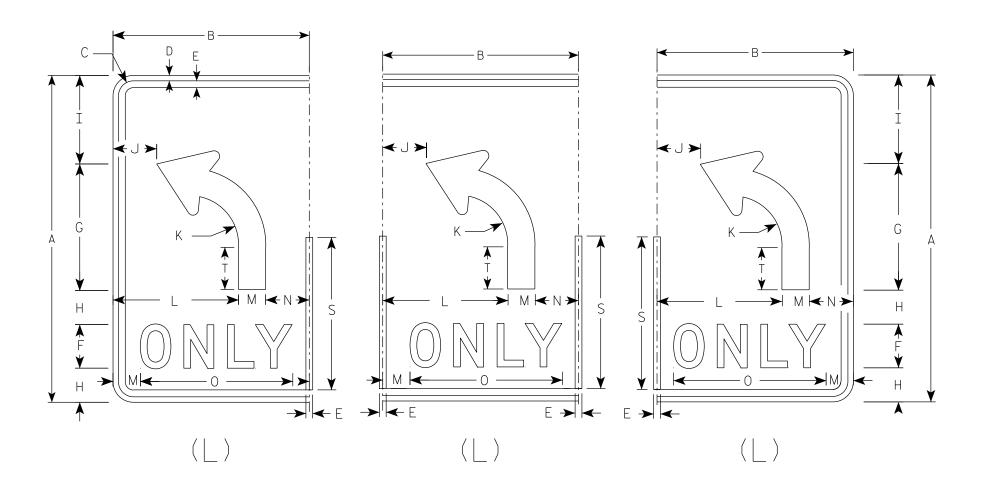
PLOT BY : mscj9h

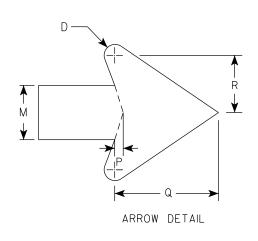
PLOT NAME :

- 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	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Area sq. ft.
1																										
25	30	18	1 3/8	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 %						3.75
2M	30	18	1 3/8	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 3/8	1/2	5/8	5	14	3 1/2	9 3/4		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 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rawl For State Traffic Engineer

DATE <u>5/21/19</u> PLATE NO. R3-8.1

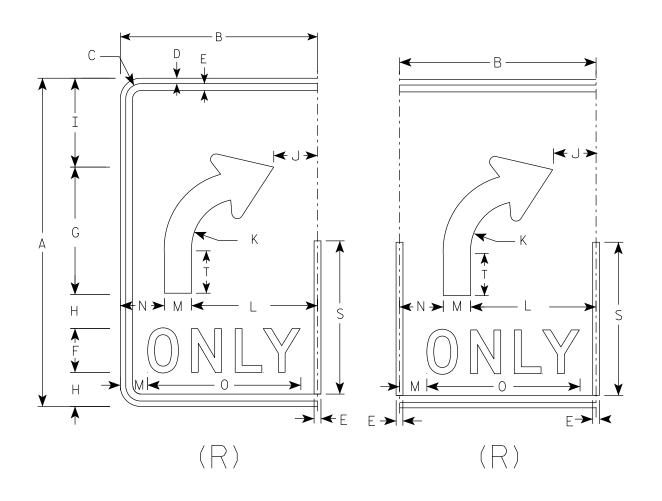
PROJECT NO: SHEET NO:

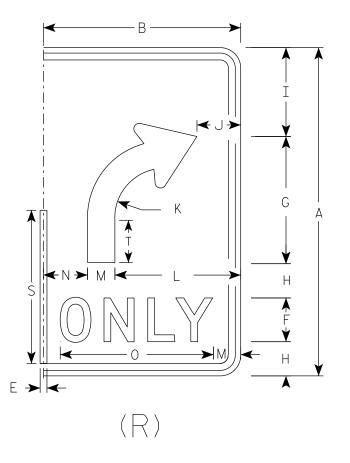
Ε

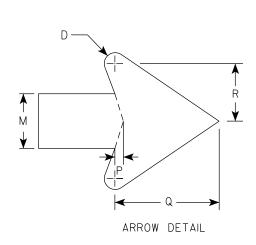
- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - White Message - Black

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	V	W	X	Y	Z	Area sq. ft.
1																											
25	30	18	1 3/8	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 3/8	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 3/8	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	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 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED MA

For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

SHEET NO: **E**

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

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

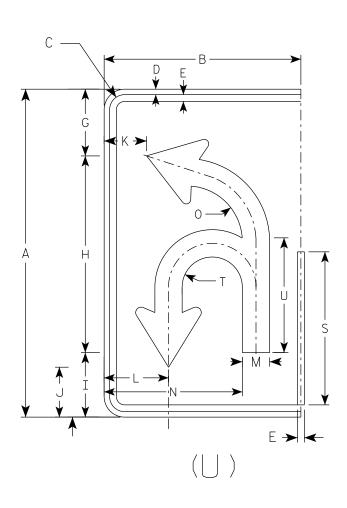
PLOT BY: mscj9h

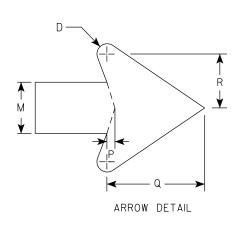
PLOT NAME :

- 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	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 3/8	1/2	5/8		6 1/8	18	5 1/8	4 5/8	3 1/8	5 1/8	2 1/2	12	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 1/8	4 5/8	3 1/8	5 %	2 1/2	12	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 1/8	21 5/8	7 1/8	5 1/2	5 1/8	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 %	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 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

COUNTY:

STANDARD SIGN R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

DATE 5/21/19 PLATE NO. R3-8.1

 f_{or} State Traffic Engineer

SHEET NO:

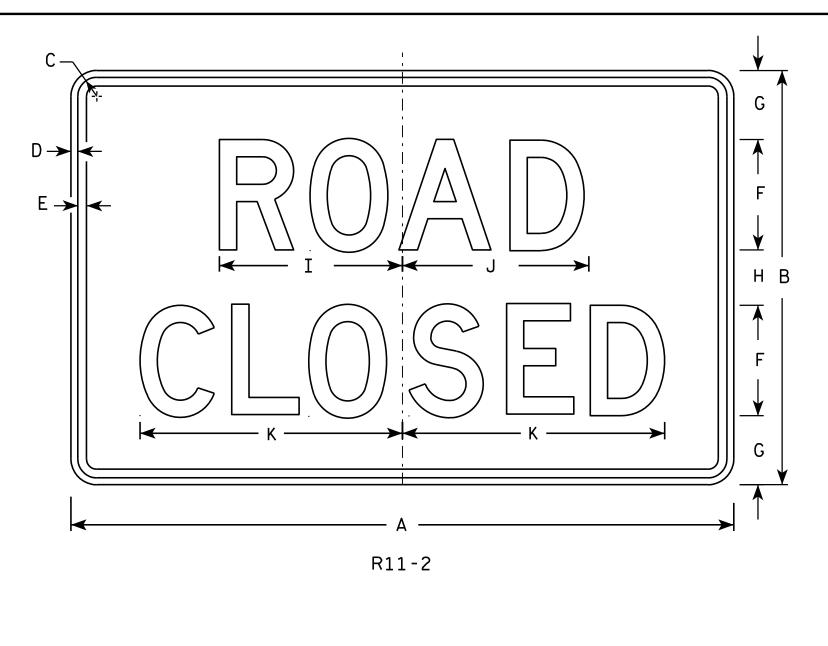
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn

HWY:

PROJECT NO:

PLOT DATE: 21-MAY 2019 4:38

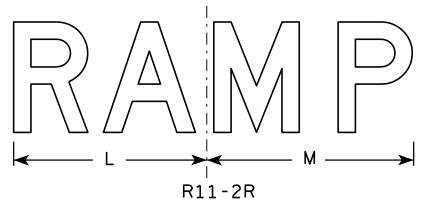
PLOT BY : mscj9h PLOT NAME : PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

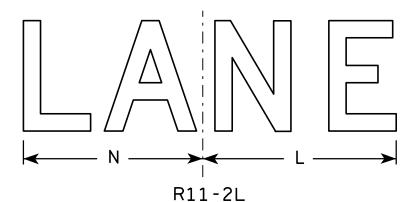


- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - White Message - Black

- 3. Message Series 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. Modify the message as required.





SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	V	W	Х	Y	Z	Areq sq. fi
1																											
25	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 ½	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

COUNTY:

STANDARD SIGN R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther & Rauch

For State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.DGN

HWY:

PROJECT NO:

PLOT DATE : 01-APR-2011 14:25

PLOT BY: mscj9h

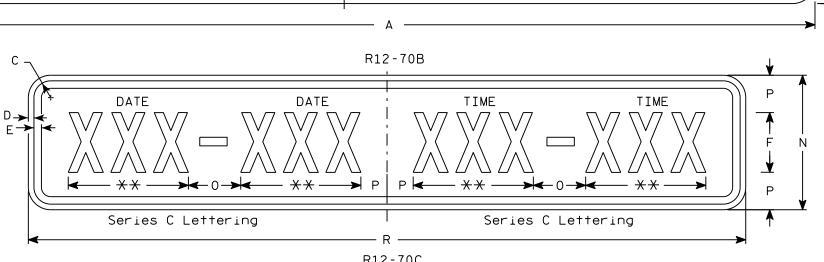
PLOT NAME :

PLOT SCALE: 6.952219:1.000000

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

Background - White Message - Black

- 3. Message Series E except as noted
- 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.
- ** Substitute appropriate message, optically center message



											K12 - 11																R12-70	R12-70C
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.	Area sq. ft.
1																												
25	90	36	2 1/4	1/2	5/8	6	4	5	20 1/8	28 3/8	24 %	8 1/8	12	12	6	3		66									22.5	5 . 5
2M	90	36	2 1/4	1/2	5/8	6	4	5	20 %	28 3/8	24 %	8 1/8	12	12	6	3		66									22.5	5.5
3																												
4	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 ½		96									36.75	12.0
5	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 1/2		96									36.75	12.0

COUNTY:

TYPICAL SIGN R12-70B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

SHEET NO:

DATE 11/10/15

PLATE NO. R12-70B.3

FILE NAME . C.\CAFfiles\Projects\tr stdnlote\R1270R DCN

HWY:

PROJECT NO:

PLOT DATE . 01-DEC-2015 18.10

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

PLOT SCALE . 12 842555.1 000000

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.

A D E
W8-11

SIZE A В R С D Ε G Н J Κ 0 Q S U Ι 5/8 3/4 1/2 16 3/8 13 1/4 36 3 9.0 2S 48 2 1/4 3/4 1 21 3/4 17 5/8 8 4 1 16.0 2M 48 3/4 2 1/4 1 8 4 1 21 3/4 17 5/8 16.0 21 3/4 17 5/8 3/4 16.0 48 2 1/4 4 721 3/4 17 5/8 4 48 2 1/4 3/4 16.0 1 8 5 48 2 1/4 3/4 21 3/4 17 5/8 1 8 1 16.0

COUNTY:

 f_{or} State Traffic Engineer

DATE 4/20/2020 PLATE NO. W8-11.5

SHEET NO:

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

W8-11

PLOT NAME :

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

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\W811.dgn

HWY:

PROJECT NO:

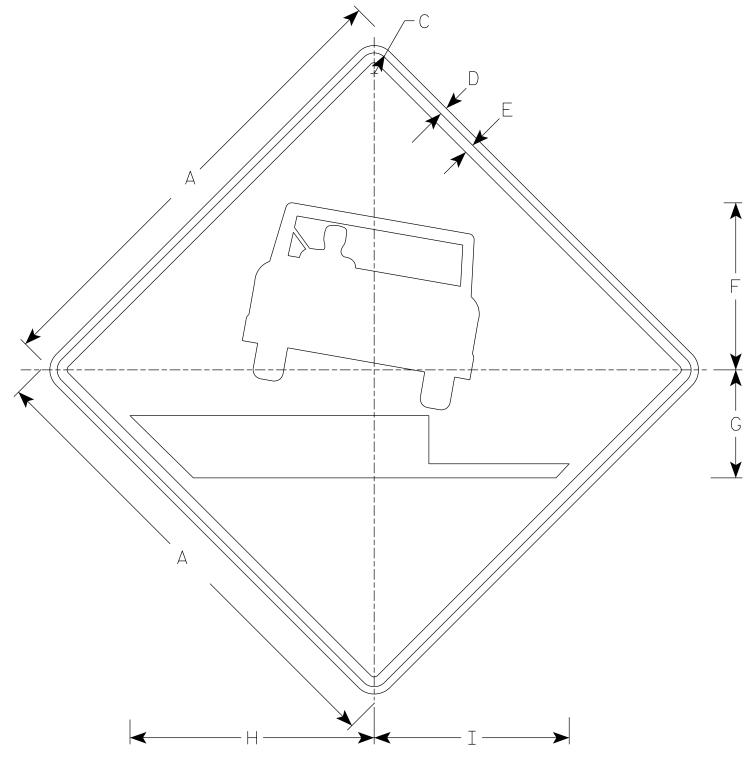
PLOT DATE: 20-APRIL 2020

PLOT BY : dotc4c

- 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.



W8-17

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	Г	М	Ν	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12 3/4	8 1/4	18 5/8	14 7/8																		9.0
25	48		2 1/4	3/4	1	17	11	24 1/8	19 7/8																		16.0
2M	48		2 1/4	3/4	1	17	11	24 1/8	19 7/8																		16.0
3	48		2 1/4	3/4	1	17	11	24 1/8	19 7/8																		16.0
4	48		2 1/4	3/4	1	17	11	24 1/8	19 7/8																		16.0
5	48		2 1/4	3/4	1	17	11	24 1/8	19 7/8																		16.0

STANDARD SIGN W8-17

WISCONSIN DEPT OF TRANSPORTATION

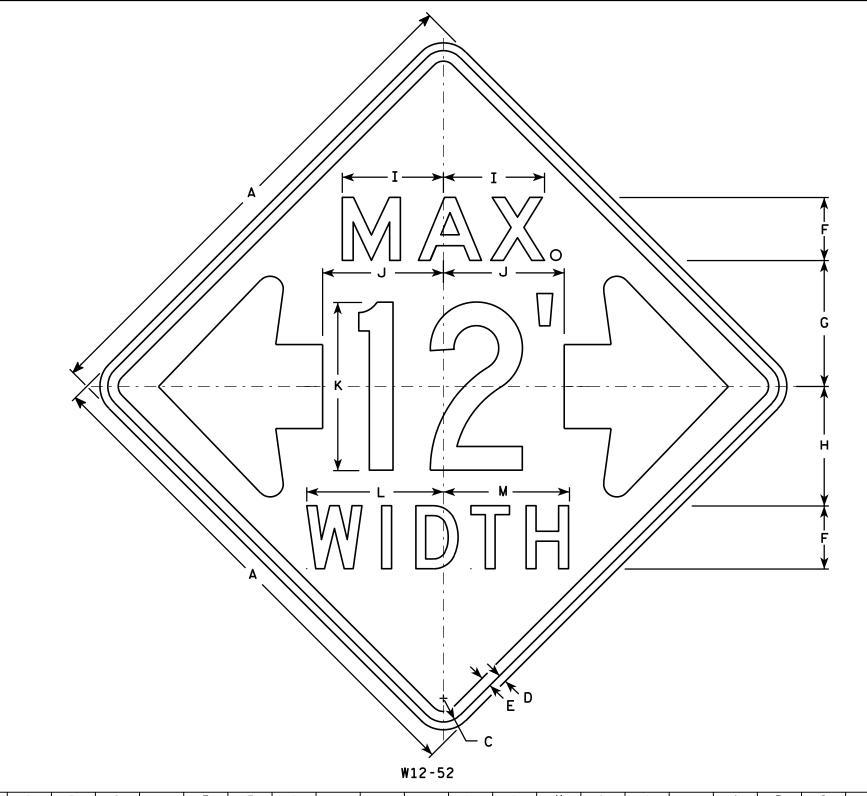
₹or State Traffic Engineer

DATE 4/16/2020 PLATE NO. W8-17.2

SHEET NO:

PROJECT NO:

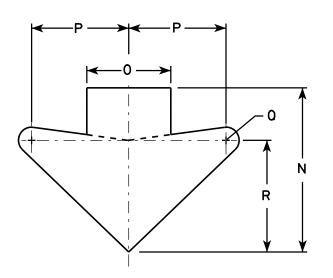
Ε



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

Background - Orange Message - Black

- 3. Message Series See note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. The top line is series E, the numerals are series C, and the bottom line is series D.
- 6. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

CT TE			T					ш					1.4		_		_		_					· ·	·	7	Area
SIZE	Α	В	L	ט	-	-	G	Н	l I	J	K	L	M	N	U	P	U	R	>	1	U	V	W	X	T		Area sq. ft.
1																											
25	48		2 1/4	₹4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 %	8	9 1/4	1 1/4	10 %									16.0
2M	48		2 1/4	₹4	1	6	12	11 3/8	9 %	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 %									16.0
3																											
4																											
5																											

COUNTY:

STANDARD SIGN W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :



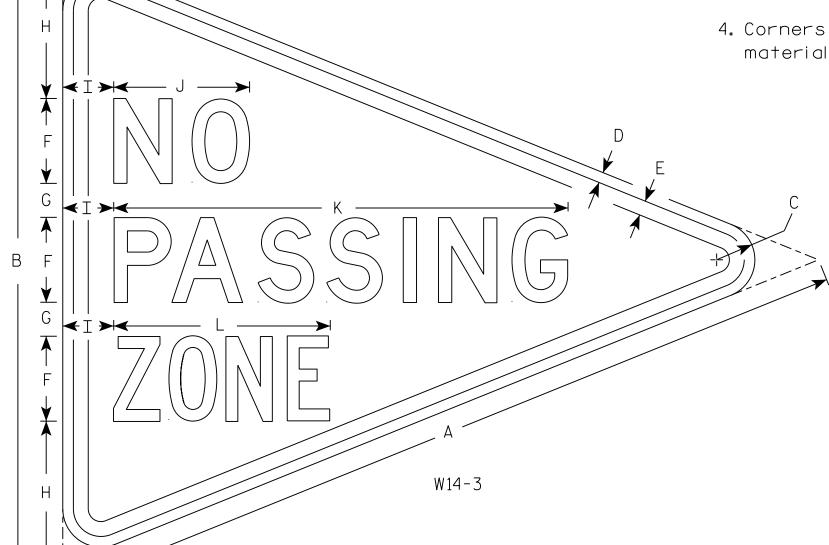
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

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

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



			,																								
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	<i>7</i> ⁄8	5	2	8 ½	3	8	26 ¾	12 3/4															5.56
2M																											
3																											
4																											
5																											
PRC	PROJECT NO: HWY:											COL	INTY:														

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

500 3/21/17

E 3/21/17 PLATE NO. W14-3

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W143.DGN

PLOT DATE: 21-MAR-2017 08:48

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

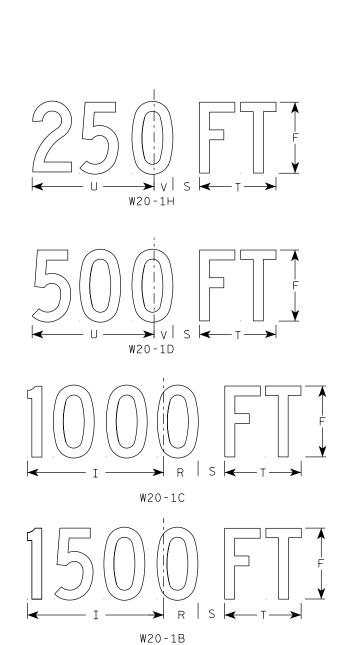
PLOT SCALE : 5.650195:1.000000

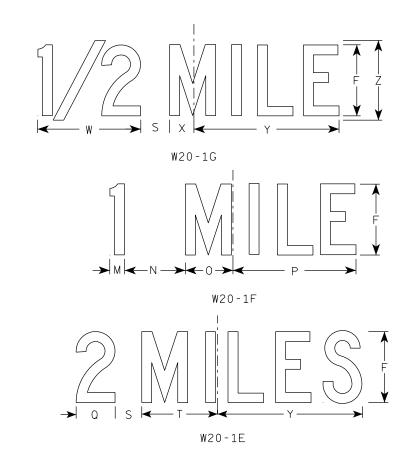
WISDOT/CADDS SHEET 42

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

Background - Orange Message - Black

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





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 1/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

 f_{or} State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

SHEET NO:

PROJECT NO:

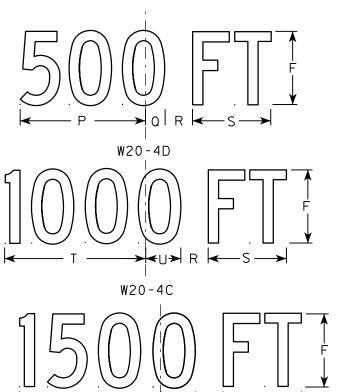
W20-1A

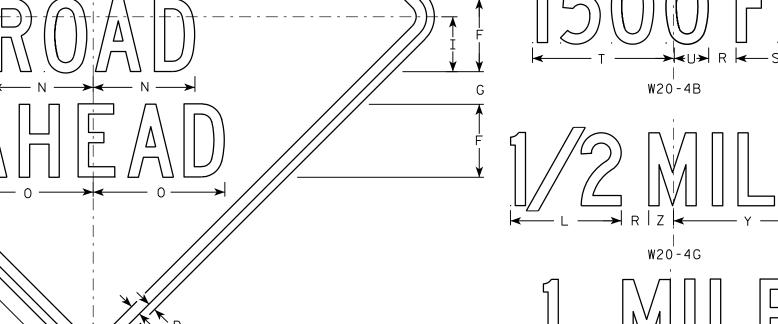


- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

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





SIZE	Α	В	С	D	E	F	G	Н	I	J K	L	М	Z	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8 2 3/8	8	13 1/2	7	8 %	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 ½	10 ¾	1 3/4	9.0
25	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8 3 1/4	10 %	17 ¾	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

W20-4A

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

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

SUEET NO.

SHEET NO:

PROJECT NO:

W20-4F

Ε

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

Background - Orange Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W20-7A	

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4		2 3/4	13 1/2	14 5/8																		9.00
25	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3∕4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

For State Traffic Engineer

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

SHEET NO:

PROJECT NO:

PLOT NAME :

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

Background - Orange Message - Black

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

A
SHOULDER HOLDER A CC
W21-5

SIZE A В Ε Н C N 0 Χ С D G Q U w Ι 36 5/8 3/4 6 3 1/2 16 9 9.0 3/4 2 1/4 5 21 3/8 11 1/4 16.0 1 2M 48 21 3/8 11 1/4 3/4 $2^{1/4}$ 5 16.0 1 3 48 $2^{1/4}$ 3/4 5 21 3/8 | 11 1/4 | 16.0 1 4 48 2 1/4 3/4 1 8 5 21 3/8 11 1/4 16.0 5 48 2 1/4 3/4 1 8 5 21 3/8 11 1/4 16.0

COUNTY:

STANDARD SIGN W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R For State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

Ε

SHEET NO: PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

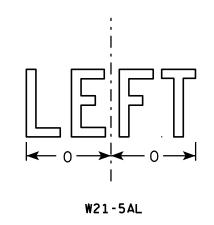
HWY:

PROJECT NO:

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

Background - 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.



SHOULDER -
E D

W21	- 5 ^
W / I	- ¬ Δ

SIZE	Α	В	С	D	E	F	G	Н	I	7	K	L	М	N	0	Р	0	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 %	5/8	3/4	5	3 3/8	3 ½	4	7 %	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 1/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 1/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 1/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 1/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 %	20	14 3/8	14 1/4	8 3/4												16.0
PRO.	JECT	NO:					Н\	VY:					COL	NTY:													

STANDARD SIGN W21-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 f_{or} State Traffic Engineer

DATE 3/21/11

PLATE NO. W21-5A.3

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W215A.DGN

PLOT DATE: 21-MAR-2011 09:02

PLOT NAME :

PLOT BY: mscj9h

PLOT SCALE: 9.931739:1.000000

WISDOT/CADDS SHEET 42

<u>NOTES</u>

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

Background - Orange Message - Black

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



SHOULDER CLOSED FROM CLOSED FR	

W21-5B

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 1/4	7 3/8	14 1/4	10 1/4	10 1/8	8 %	6 1/4														9.0
2S	48		2 1/4	3/4	1	7	3	9 %	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
2M	48		2 1/4	3/4	1	7	3	9 %	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
3	48		2 1/4	3/4	1	7	3	9 %	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
4	48		2 1/4	3/4	1	7	3	9 %	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
5	48		2 1/4	3/4	1	7	3	9 %	19 1/2	14 3/8	14 1/4	12 1/2	8 1/2														16.0
PRO	JECT	NO:					н	WY:					COU	NTY:													

STANDARD SIGN W21-5B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch

DATE 3/21/11

PLATE NO. W21-5B.3

| SH

SHEET NO:

PLOT NAME :

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

Background - Orange Message – Black

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

W21-63

6775			T 6 T								17			N				Гр		_					T v	7	Area
SIZE	А	В	L	U	E	F	G.	Η	I	J	K	L	М	IN	0	Р	u	R	5	l	U	٧	W	X	Y		Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3	4	2	9 1/4	13 1/8	10 1/2															9.0
25	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
2M	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
3	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
4	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0
5	48		2 1/4	3/4	1	8	4	5	3	12 1/4	17 1/2	14															16.0

STANDARD SIGN W21-63

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther R

For State Traffic Engineer DATE 4/30/2020 PLATE NO. W21-63.4

SHEET NO:

HWY: COUNTY:

PROJECT NO:

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

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series C Lines 2 and 3 are Series D

E D	

W21-65

HWY:

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

COUNTY:

STANDARD SIGN W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ED Matthe R Rouse

for State Traffic Engl

DATE 5/28/14

PLATE NO. W21-65.1
SHEET NO:

PROJECT NO:

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

PLOT DATE : 28-MAY-2014 13:24

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 9.729210:1.000000

- 1. Sign is Type II Type F Reflective
- 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.

A W21-66
1121 00

SIZE A 2 5/8 1 3/8 7 3/4 11 3/4 5/8 3/4 36 6 9.0 2 1/4 3/4 3 10 3/8 15 3/4 48 3 16.0 2 1/4 10 3/8 15 3/4 48 3/4 16.0 3 2 1/4 3/4 10 3/8 15 3/4 16.0 48 10 3/8 15 3/4 2 1/4 3/4 48 16.0 2 1/4 3/4 10 3/8 15 3/4 3 48 3 16.0

COUNTY:

STANDARD SIGN W21-66

WISCONSIN DEPT OF TRANSPORTATION APPROVED

Matther R Rauch

DATE 3/19/18 PLATE NO. W21-66.1

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\\2166.DGN

HWY:

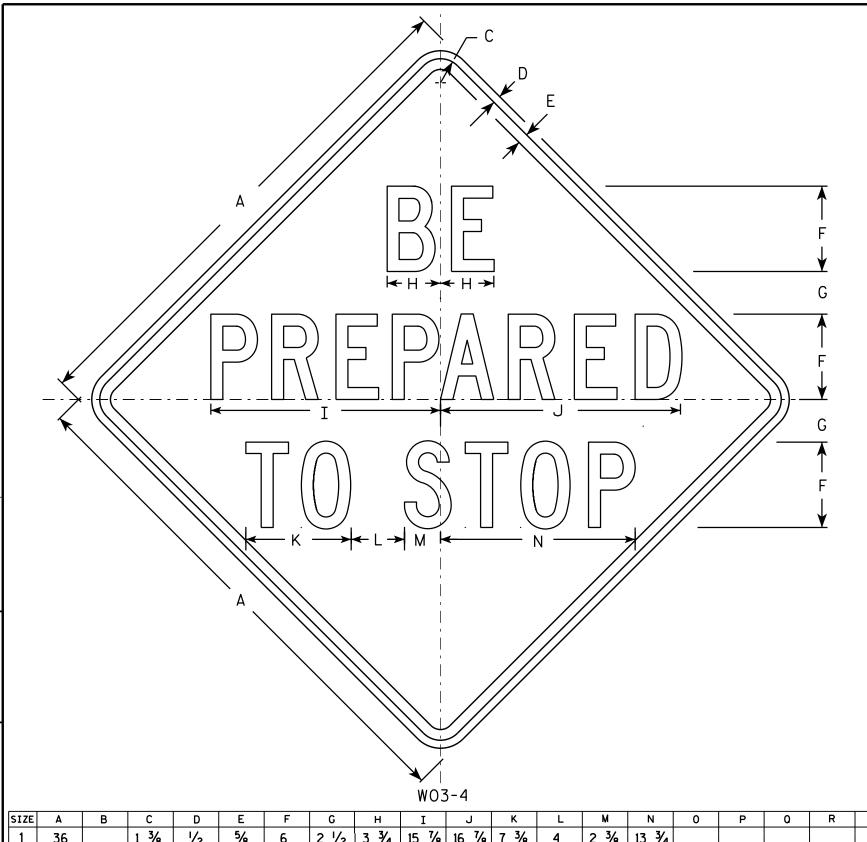
PROJECT NO:

PLOT DATE: 19-MAR-2018 14:55

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

PLOT SCALE: 7.437779:1.000000

WISDOT/CADDS SHEET 42



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

Background - Orange Message - Black

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

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

COUNTY:

STANDARD SIGN W03 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 12/02/13

PLATE NO. W03-4.1 SHEET NO:

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

HWY:

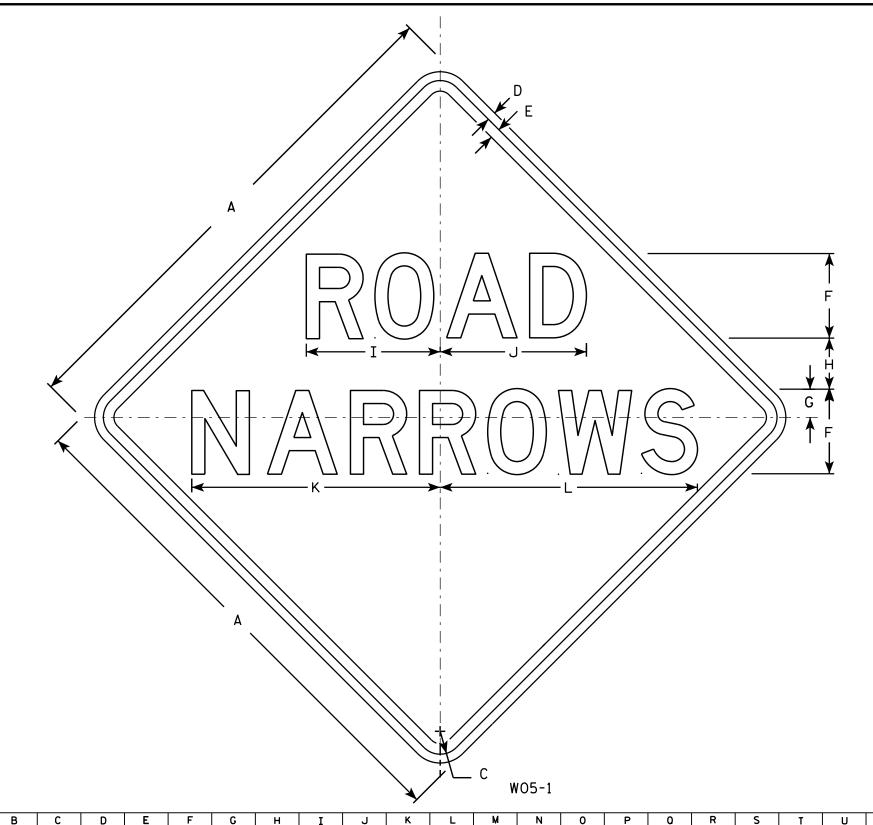
PROJECT NO:

PLOT DATE: 02-DEC-2013 14:02

PLOT NAME :

WISDOT/CADDS SHEET 42

PLOT SCALE: 8.999518:1.000000



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

SIZE A 1 5/8 3 1/2 9 1/2 10 3/8 17 5/8 18 1/4 3/4 9.0 2S 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 2M 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 12 3/4 13 3/4 23 1/2 24 3/8 2 1/4 3/4 48 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0

COUNTY:

STANDARD SIGN WO5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

far State Traffic Engineer

DATE 11/20/13

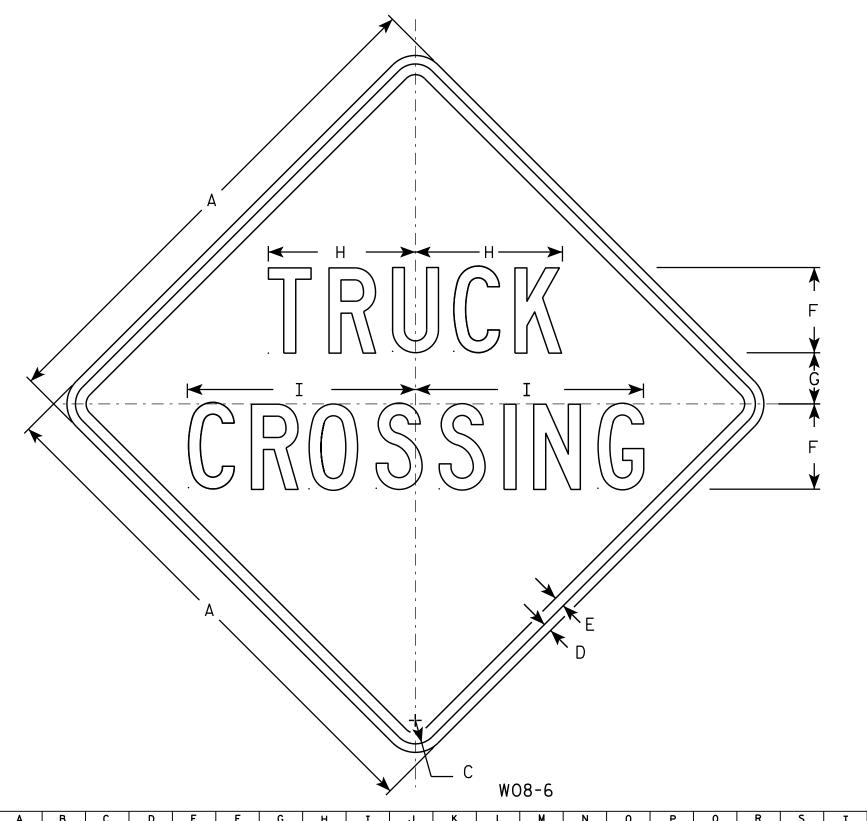
SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscsja

PLATE NO. W05-1.1



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

Background - Orange Message - Black

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

SIZE A 10 3/8 16 1 % 5/8 3/4 3 1/2 36 6 9.0 2 1/4 3/4 13 3/4 21 1/4 16.0 48 3/4 13 3/4 21 1/4 2 1/4 48 16.0 3 | 2 1/4 3/4 13 3/4 21 1/4 16.0 48 2 1/4 3∕4 13 3/4 21 1/4 48 16.0 5 13 3/4 21 1/4 48 2 1/4 3/4 8 16.0 STANDARD SIGN WO8-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

DATE 11/20/13 PLATE NO. WO8-6.1

SHEET NO:

HWY:

COUNTY:

PLOT DATE: 20-NOV-2013 13:47

PLOT NAME :

PLOT SCALE: 6.755110:1.000000

WISDOT/CADDS SHEET 42

PROJECT NO:

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

Background - Orange Message – Black

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

E D
TRUCKS G ENTERING H ENTERIN

WO8-6A

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	36		1 3/8	1/2	5/8	4 1/2	3	1 1/2	1 1/8	9 3/8	12	9 3/4															9
25	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
2M	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
3	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
4	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
5	48		2 1/4	3/4	1	6	4	2	2 1/2	12 1/2	16	13															16
PROJECT NO: HWY:											COU	NTY:															

STANDARD SIGN W08-6A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

 $\mathcal{F}_{\mathit{or}}$ State Traffic Engineer DATE 4/15/2020 PLATE NO. WO8-6A.1

SHEET NO:

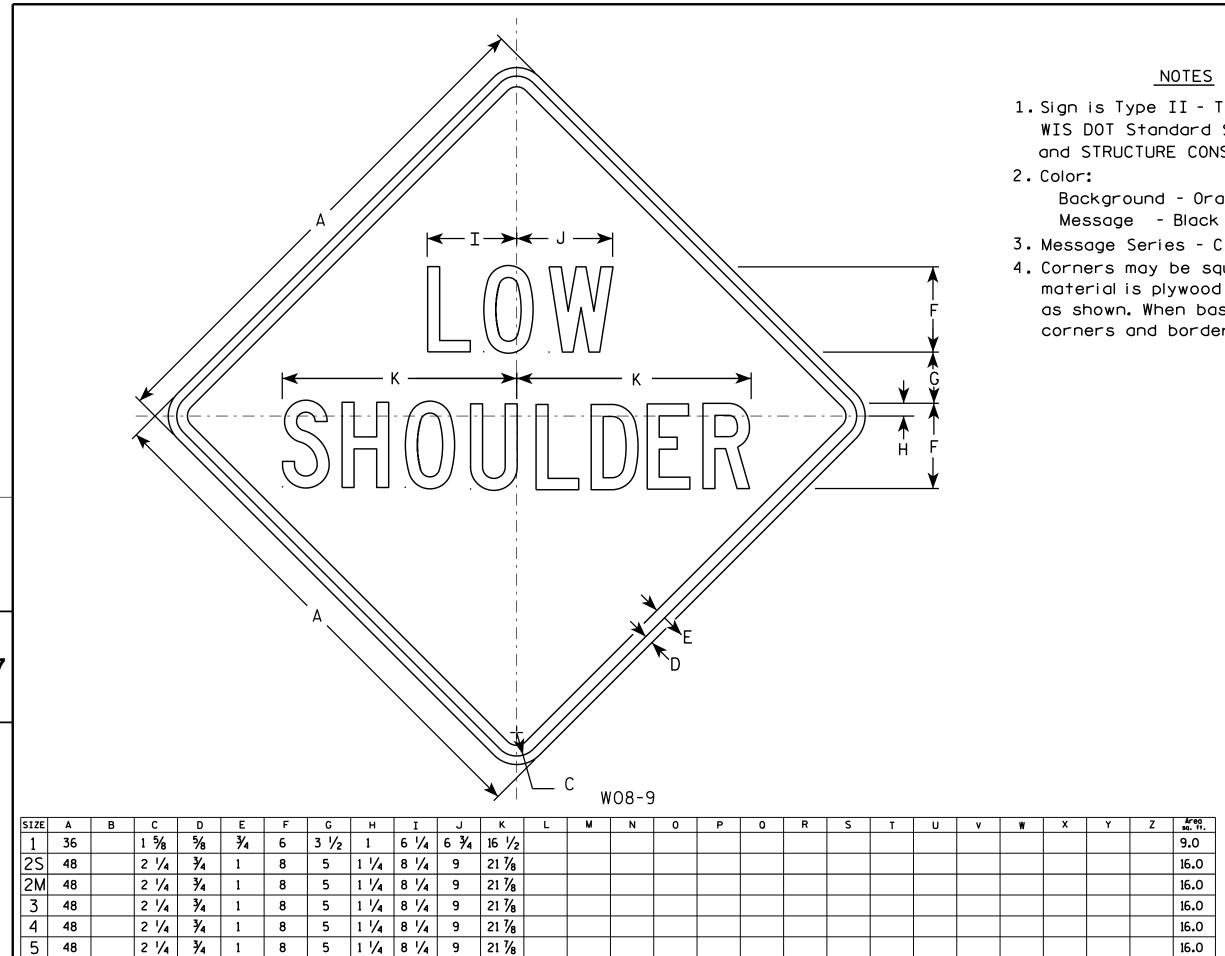
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W086A.dgn

PLOT DATE: 15-APRIL 2020

PLOT BY : dotc4c

PLOT NAME :

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



COUNTY:

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

Background - Orange Message - Black

- 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.

STANDARD SIGN W08-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Raud For State Traffic Engineer

DATE 11/20/13

PLATE NO. W08-9.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W089.DGN

2 1/4

48

PROJECT NO:

3/4

8

1 1/4

HWY:

8 1/4

21 1/8

PLOT BY: mscsja

16.0

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

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

W057-52

HWY:

* See note 5

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	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 %	10 %	11 3/8	2	12													6.0
25	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 ½	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 ½	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 ½	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 ½	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6	19 ½	14	15	2 3/4	16 3/8													12.0

COUNTY:

STANDARD SIGN W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

SHEET NO:

DATE 3/21/17

PLATE NO. W057-52.2

....

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

PROJECT NO:

PLOT DATE: 21-MAR-2017 08:53

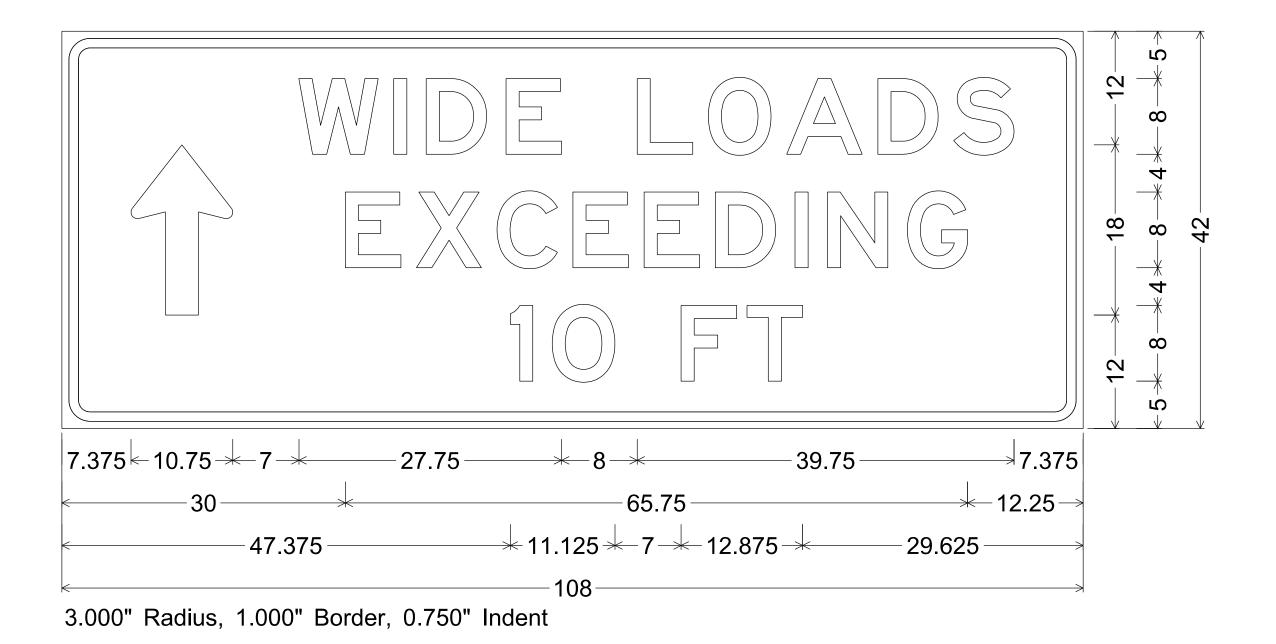
PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 8.139174:1.000000

- 1. Fixed Message Sign Type II Type H Reflective
- 2. Color:

Background - White Message - Black

3. Message Series - E



PROJECT NO:3887-01-72

HWY: CORPORATE DR/FRANCES LA INTER

COUNTY: DODGE

TEMPORARY SIGNING

PLOT NAME:

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_d1_1141a720FMS.dgn

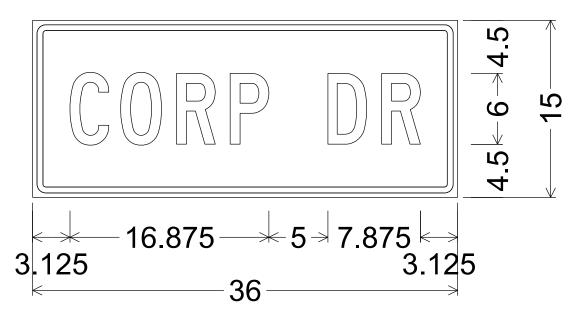
PLOT DATE: 23-JULY-2020 8:32

PLOT BY : dotc4c

- 1. Fixed Message Sign Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

3. Message Series - C



1.125" Radius, 0.500" Border, 0.375" Indent

PROJECT NO:3887-01-72 HWY:CORPORATE DR/FRANCES LA INTER COUNTY:DODGE TEMPORARY SIGNING

FILE NAME : C:\CAEfiles\Projects\tr_d1_1141a720FMS.dgn

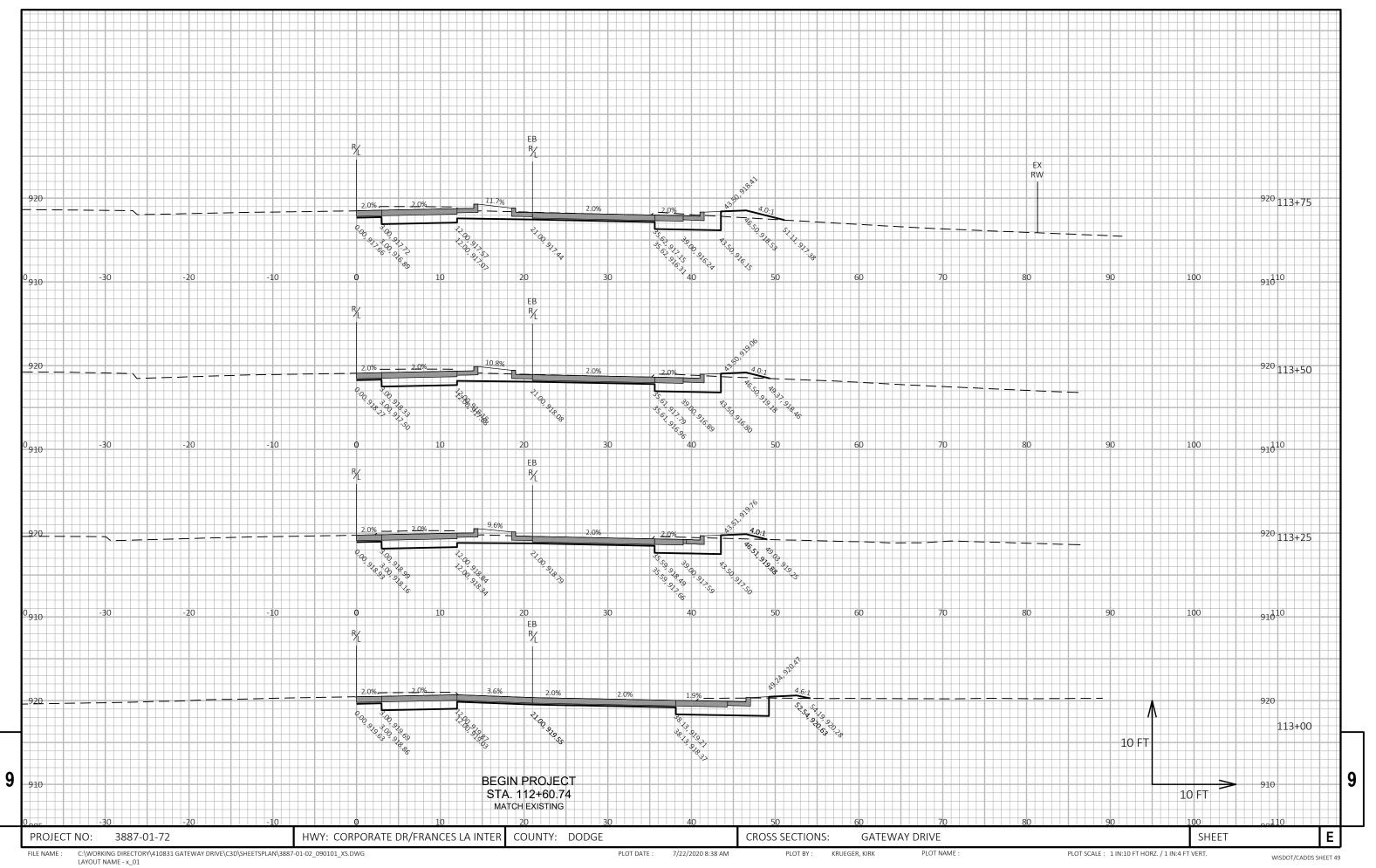
PLOT DATE: 23-JULY-2020 8:32

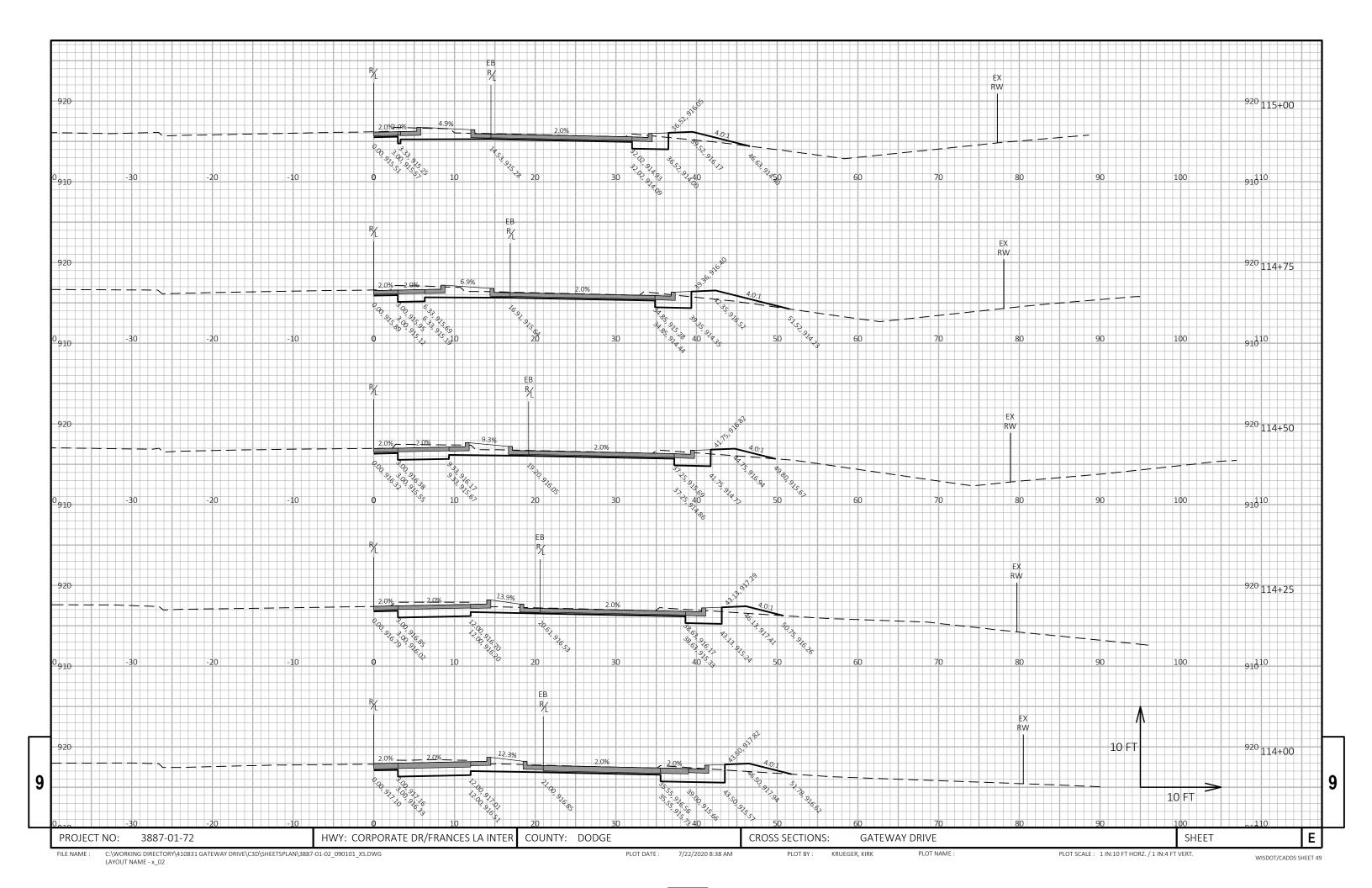
PLOT BY : dotc4c

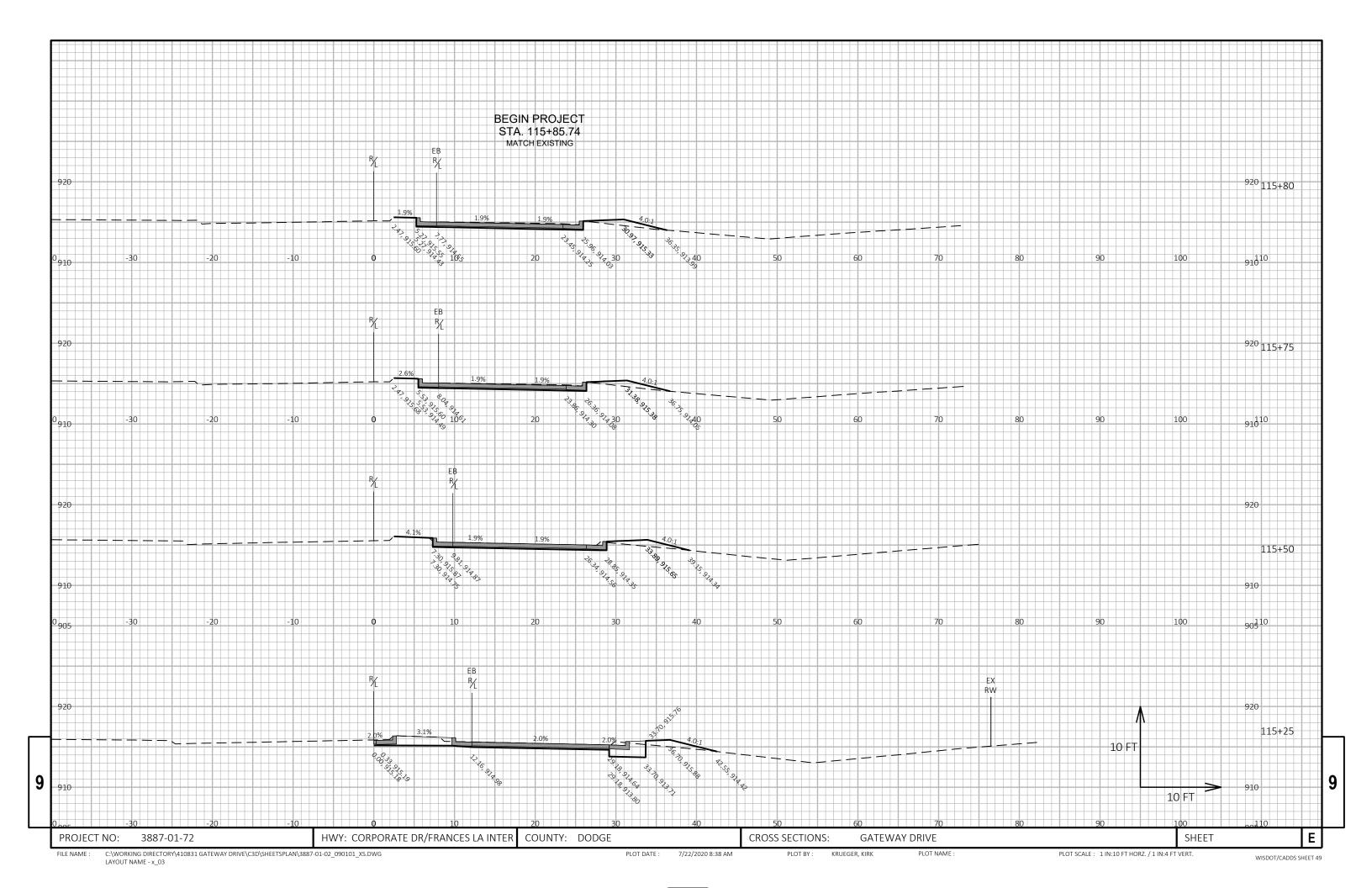
PLOT NAME:

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

SHEET NO:







Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov