FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT 1602-10-73

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

SURVEYOR

PREPARED BY

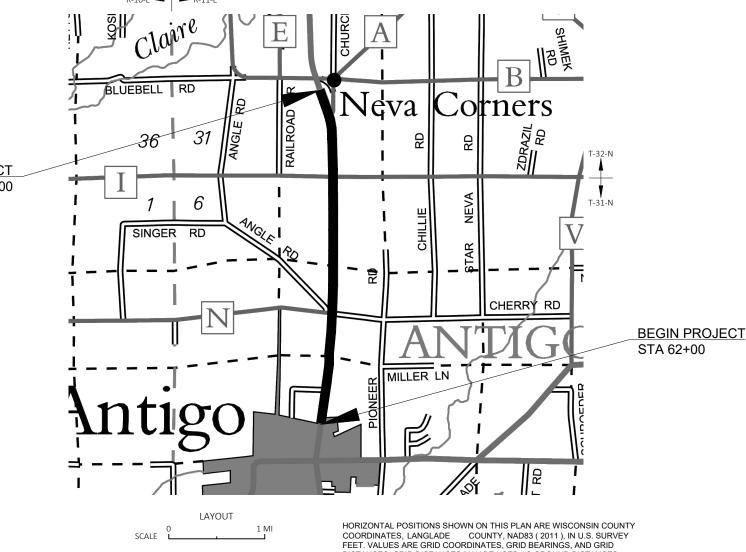
Surveyor

Designer

Project Manage

Regional Examiner

ATE: 4/19/2021



FILE NAME: N:\PDS\C3D\16021003\SHEETSPLAN\010101\_TI.DWG

3/31/2021 2:54 PM

PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME:

#### GENERAL NOTES:

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

WHEN THE QUANTITY OF THE ITEMS BASE AGGREGATE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

WITTENBERG TELEPHONE COMPANY -

(715) 253-2111 WORK

(715) 881-0302 MOBILE

SCOTT@WITTELCO.COM

COMMUNICATION LINE

104 WEST WALKER ST

WITTENBERG, WI 54499

SCOTT SICKLER

PO BOX 160

PHONE:

PHONE:

EMAIL:

THE CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

### UTILITY CONTACTS

ASTREA - COMMUNICATION LINE ANDY HEIGL 105 KENT ST IRON MOUNTAIN, MI 49801 PHONE: (906) 776-2609 WORK PHONE: (906) 221-7536 MOBILE

EMAIL:

ANDY.HEIGL@ASTREACONNECT.COM

CITY GAS COMPANY - GAS/PETROLEUM JACK ZIMMERMAN

JACK ZIMMERMAN 809 5TH AVENUE ANTIGO, WI 54409

PHONE: (715) 627-4351 WORK PHONE: (715) 216-3575 MOBILE EMAIL:

JZIMMERMAN@CITYGASANTIGO.COM

FRONTIER COMMUNICATIONS OF WI LLC -COMMUNICATION LINE CAL KLADE 1851 NORTH 14 AVENUE WAUSAU, WI 54401

PHONE: (715) 573-2110 WORK EMAIL: CALVIN.KLADE@FTR.COM

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY

DON LUTZOW PO BOX 1166 WAUSAU, WI 54402

PHONE: (715) 848-7487 WORK PHONE: (715) 493-7802 MOBILE EMAIL:

 ${\tt DONALD.LUTZOW@WISCONSINPUBLICSERVICE.COM}$ 

### DNR CONTACT

DNR NORTHERN REGION HEADQUARTERS
WENDY HENNIGES
107 SUTLIFF
RHINELANDER, WI 54501
PHONE: (715) 365-8916

AIL: WENDY.HENNIGES@WISCONSIN.GOV

# **Runoff Coefficient Table**

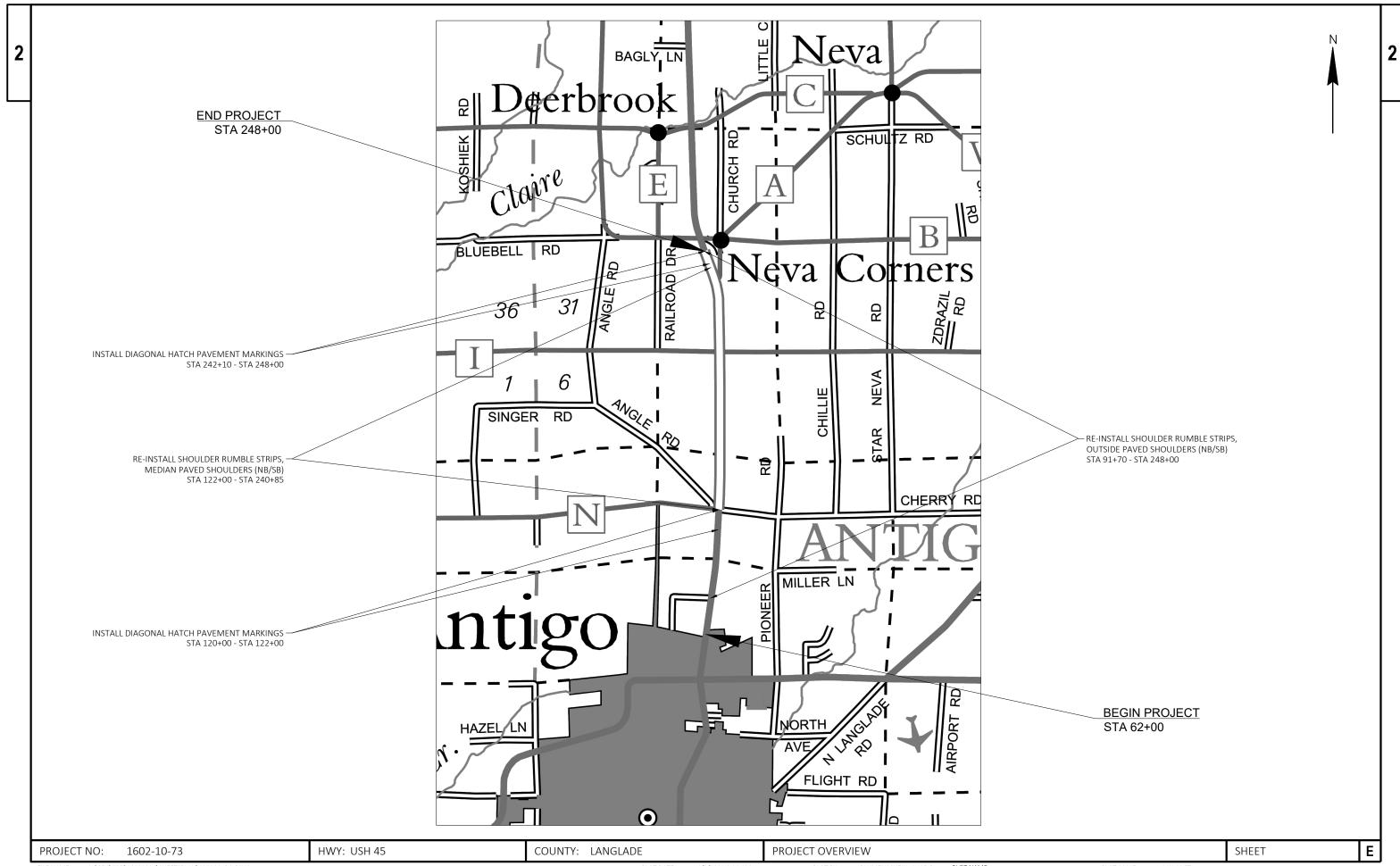
		Hydrologic Soil Group										
		Α			В			С		D		
					Slop	e Rang	e (Per	cent)				
Land Use	0 - 2	2-6	6& Over	0-2	2-6	6& Over	0-2	2-6	6 & Over	0 - 2	2-6	6 & Over
Row Crops	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
Row Crops	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
Median Strip-Turf	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
Median Strip-Turi	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
Side Slope Turf			0.25			0.27			0.28			0.30
Side Stope Turi			0.32			0.34			0.36			0.38
Pavement												
Asphalt						0.70	- 0.95					
Concrete		0.80 - 0.95										
Brick						0.70	- 0.80					
Drives, Sidewalks	0.75 - 0.85											
Roofs	0.75 - 0.95											
Gravel Roads, Shoulders						0.40	- 0.60					

TOTAL PROJECT AREA = 337 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.013 ACRES

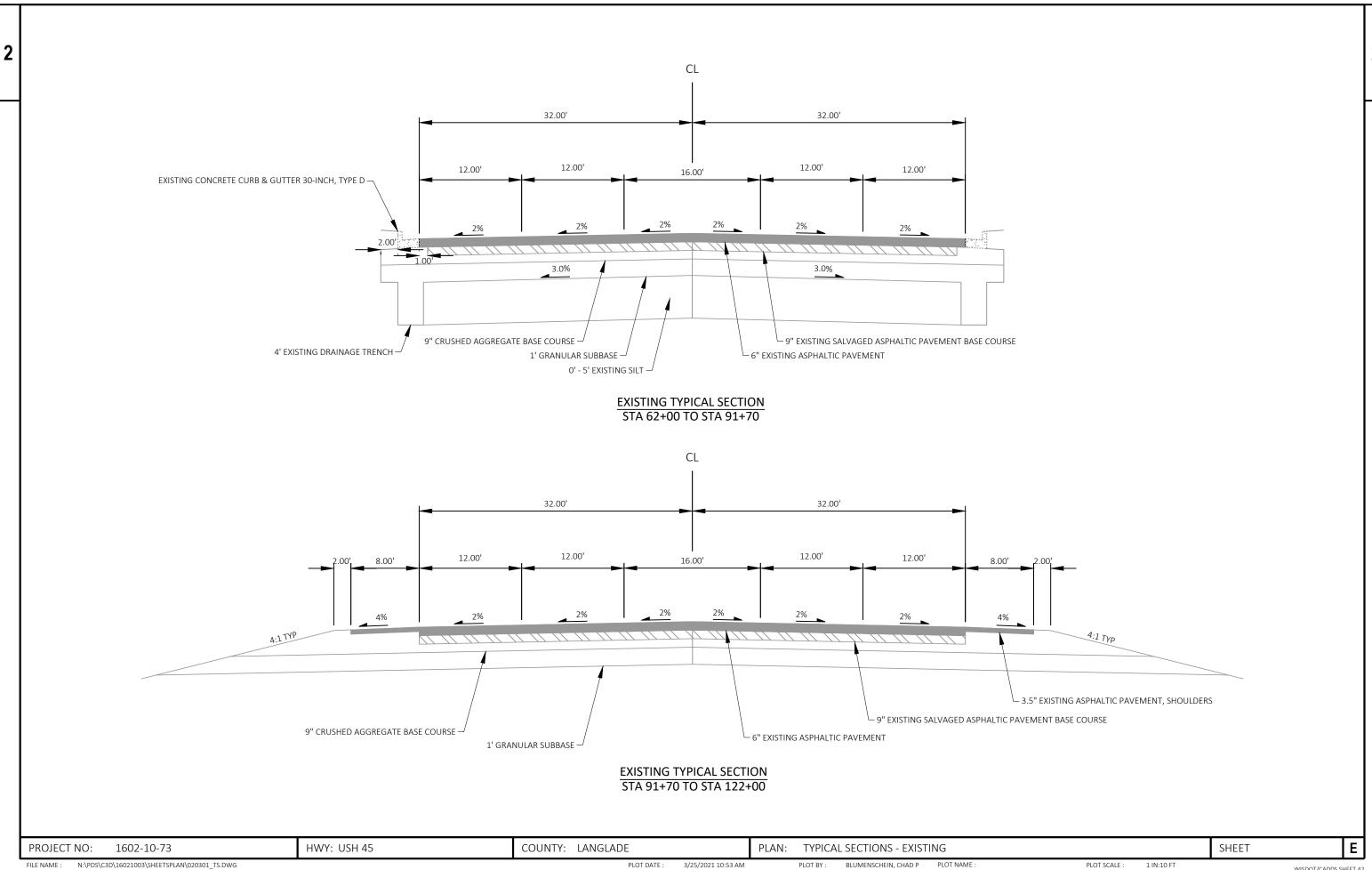


PROJECT NO: 1602-10-73 HWY: USH 45 COUNTY: LANGLADE GENERAL NOTES SHEET **E** 

N:\PDS\C3D\16021003\SHEETSPLAN\020101\_GN.DWG
PLOT DATE: 5/20/2021 2:37 PM
PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: 1 IN:100 FT
AYOUT NAME - Plan 1 IN 100 FT
WISDOT/CADDS SHEET 42

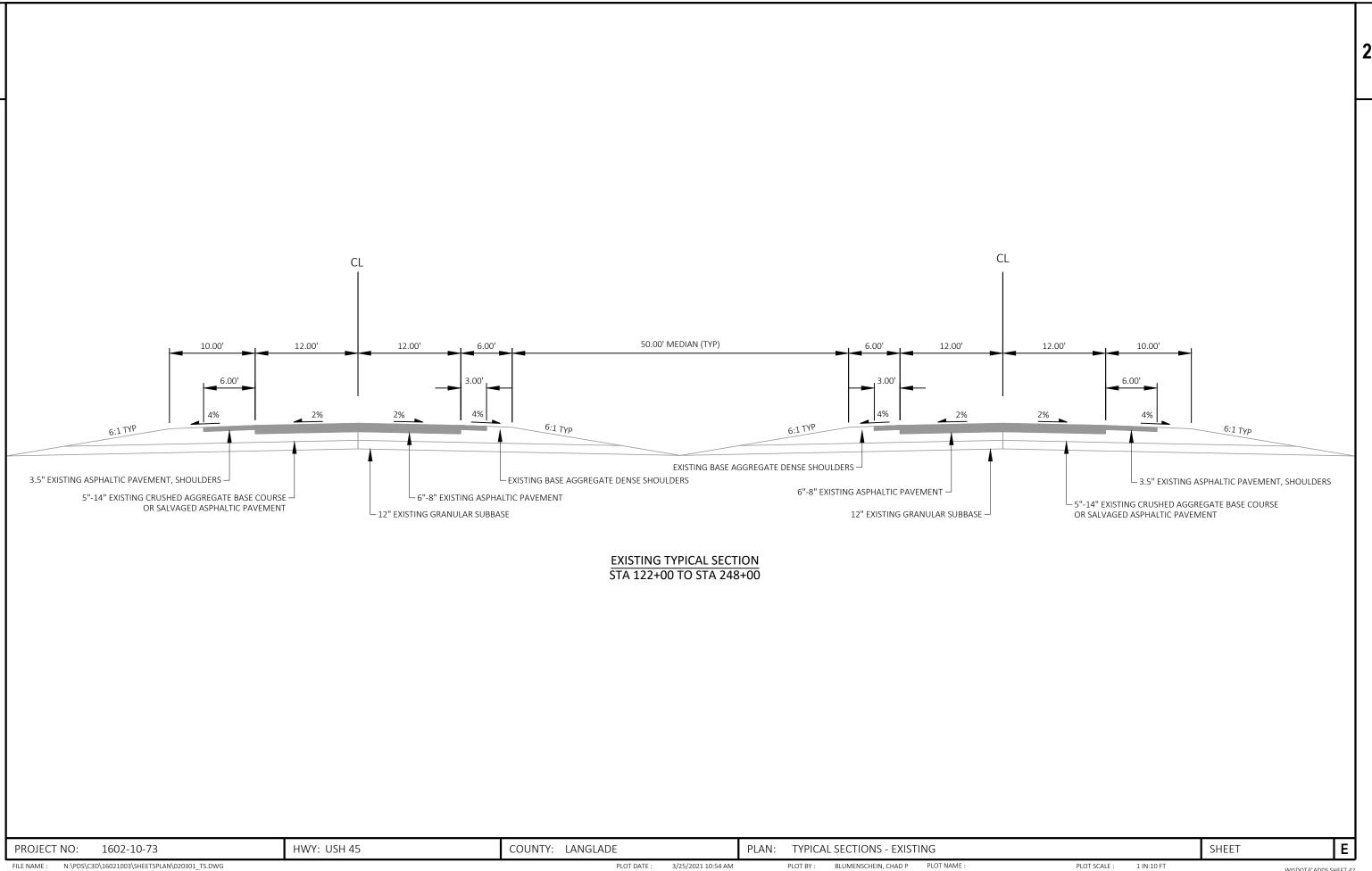


FILE NAME: N:\PDS\C3D\16021003\SHEETSPLAN\020201\_PO.DWG PLOT DATE: 4/2/2021 8:21 AM PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: 1 IN:40 FT WISDOT/CADDS SHEET 42
LAYOUT NAME - Plan 1 IN 40 FT WISDOT/CADDS SHEET 42



LAYOUT NAME - 020301

WISDOT/CADDS SHEET 42



WISDOT/CADDS SHEET 42 LAYOUT NAME - 020302

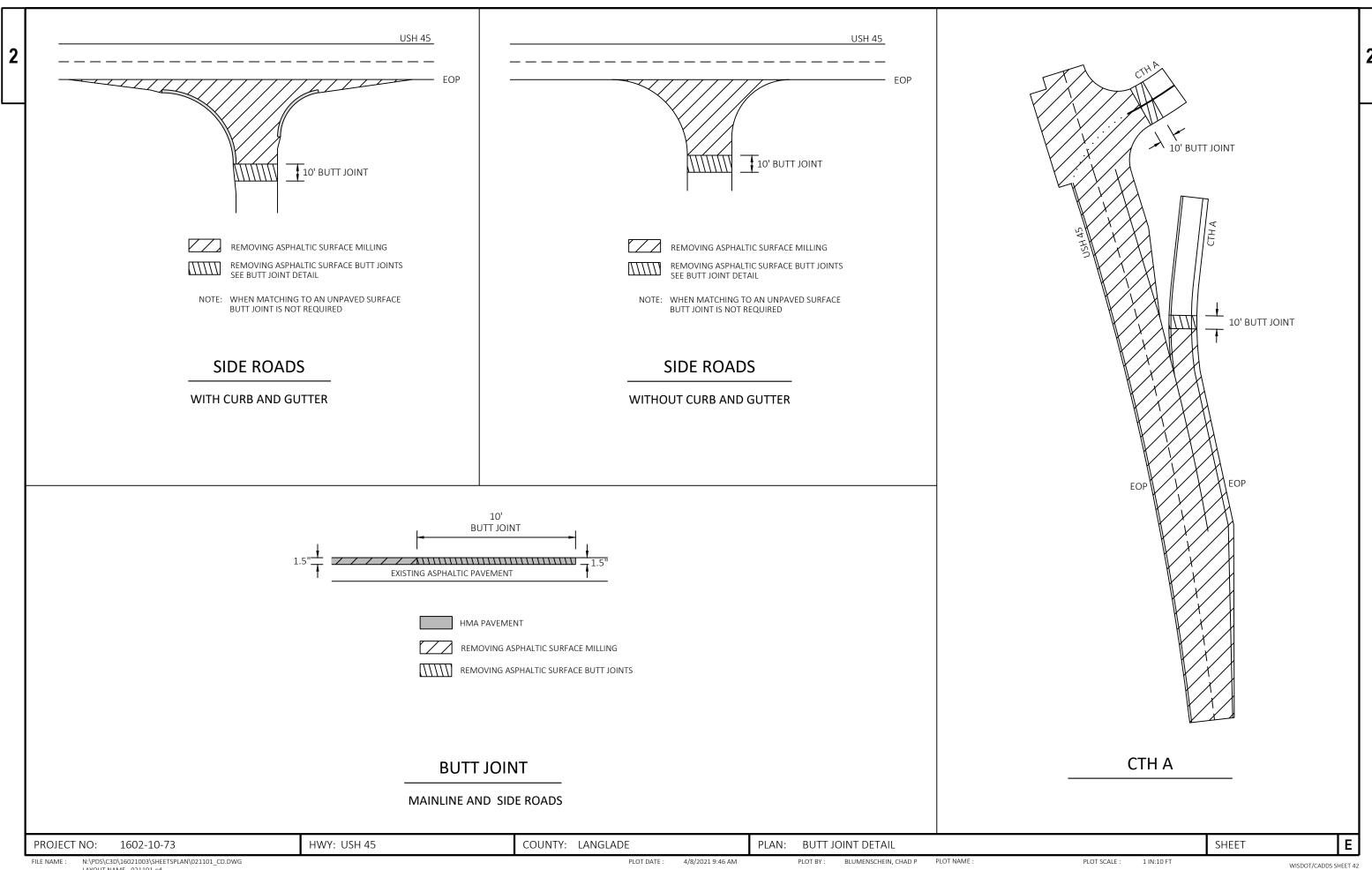
EXAMPLE 10:59 AM PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: PLOT SCALE: 1 IN:10 FT WISDOT/CADDS SHEET 42

LAYOUT NAME - 020303

- VARY MEDIAN SHOULDER THICKNESS TO ACHIEVE 2% SLOPE.
   SHOULDER RUMBLE STRIPS REQUIRED ON PAVED SHOULDERS PER CURRENT
- 3. SAFETY EDGE REQUIRED WHERE PAVED SHOULDER EXISTS.

 $\mathsf{CL}$  $\mathsf{CL}$ 50.00' MEDIAN (TYP) 10.00' 12.00' 6.00' 12.00' 12.00' 6.00' 12.00' 10.00' 6.00' 3.00' , 3.00' 6:1 TYP 3/4" BASE AGGREGATE DENSE SHOULDERS └ 3/4" BASE AGGREGATE DENSE SHOULDERS EXISTING ASPHALTIC PAVEMENT, SHOULDERS EXISTING ASPHALTIC PAVEMENT, SHOULDERS EXISTING ASPHALTIC PAVEMENT LEXISTING ASPHALTIC PAVEMENT EXISTING CRUSHED AGGREGATE BASE COURSE -EXISTING CRUSHED AGGREGATE BASE COURSE OR SALVAGED ASPHALTIC PAVEMENT OR SALVAGED ASPHALTIC PAVEMENT LEXISTING GRANULAR SUBBASE EXISTING GRANULAR SUBBASE -1.5" HMA PAVEMENT TYPE 5 MT 58-28 S 1.5" REMOVE ASPHALTIC MILLING 1.5" REMOVE ASPHALTIC MILLING 1.5" HMA PAVEMENT TYPE 5 MT 58-28 S PROPOSED TYPICAL SECTION STA 122+00 TO STA 248+00 HWY: USH 45 Ε PROJECT NO: 1602-10-73 COUNTY: LANGLADE PLAN: TYPICAL SECTIONS - PROPOSED SHEET

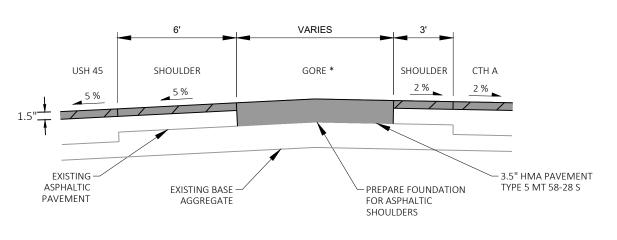
N:\PDS\C3D\16021003\SHEETSPLAN\020301\_TS.DWG 3/25/2021 11:00 AM PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: PLOT SCALE : 1 IN:10 FT FILE NAME : WISDOT/CADDS SHEET 42 LAYOUT NAME - 020304



LAYOUT NAME - 021101-cd

12

CTH A



HMA PAVEMENT

REMOVING ASPHALTIC SURFACE MILLING

REMOVING ASPHALTIC SURFACE BUTT JOINTS

# SECTION A - A

## CTH A SLIP LANE

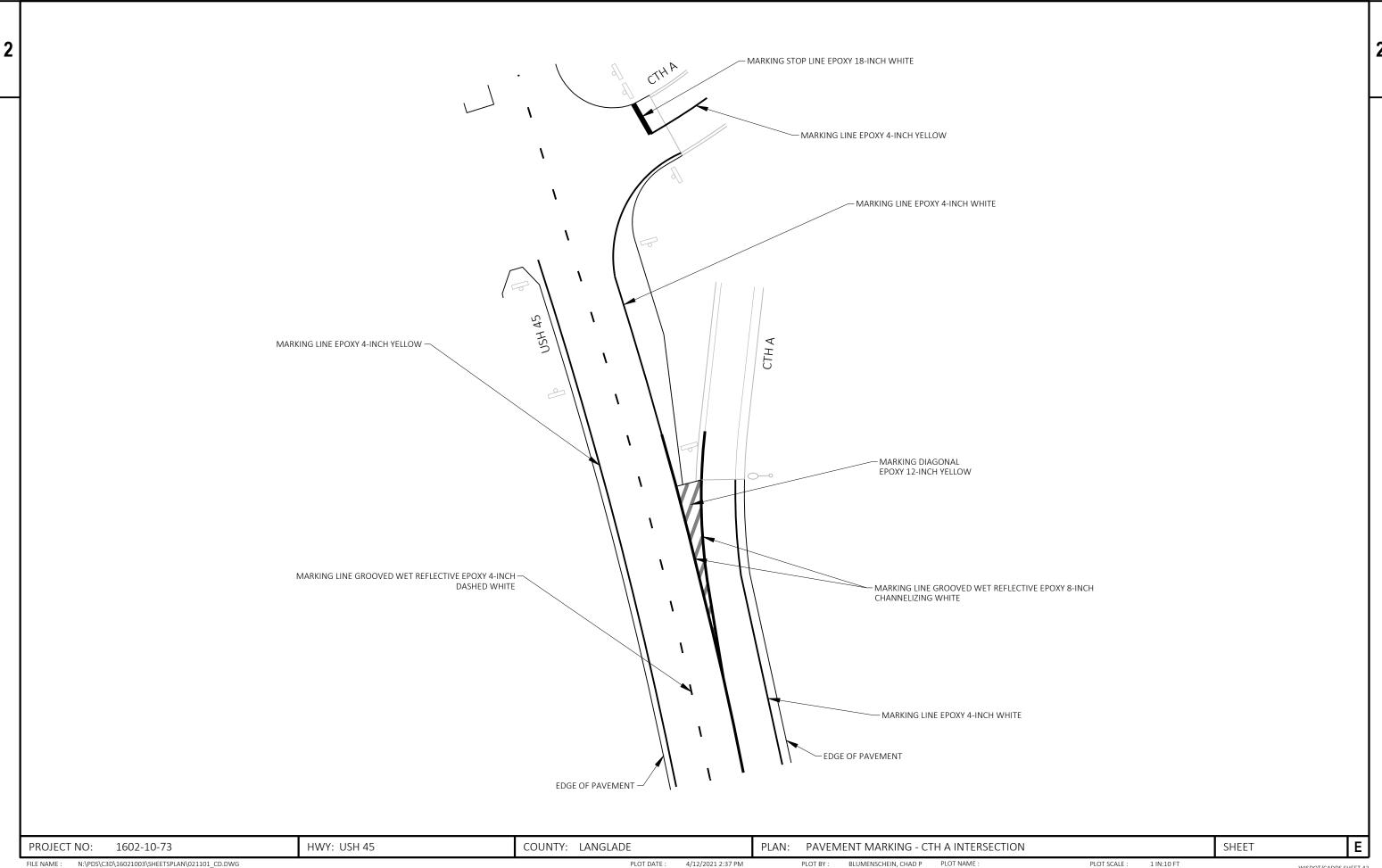
### NOTES:

\* INSTALL HMA PAVEMENT IN GORE TO ENSURE POSITIVE DRAINAGE.

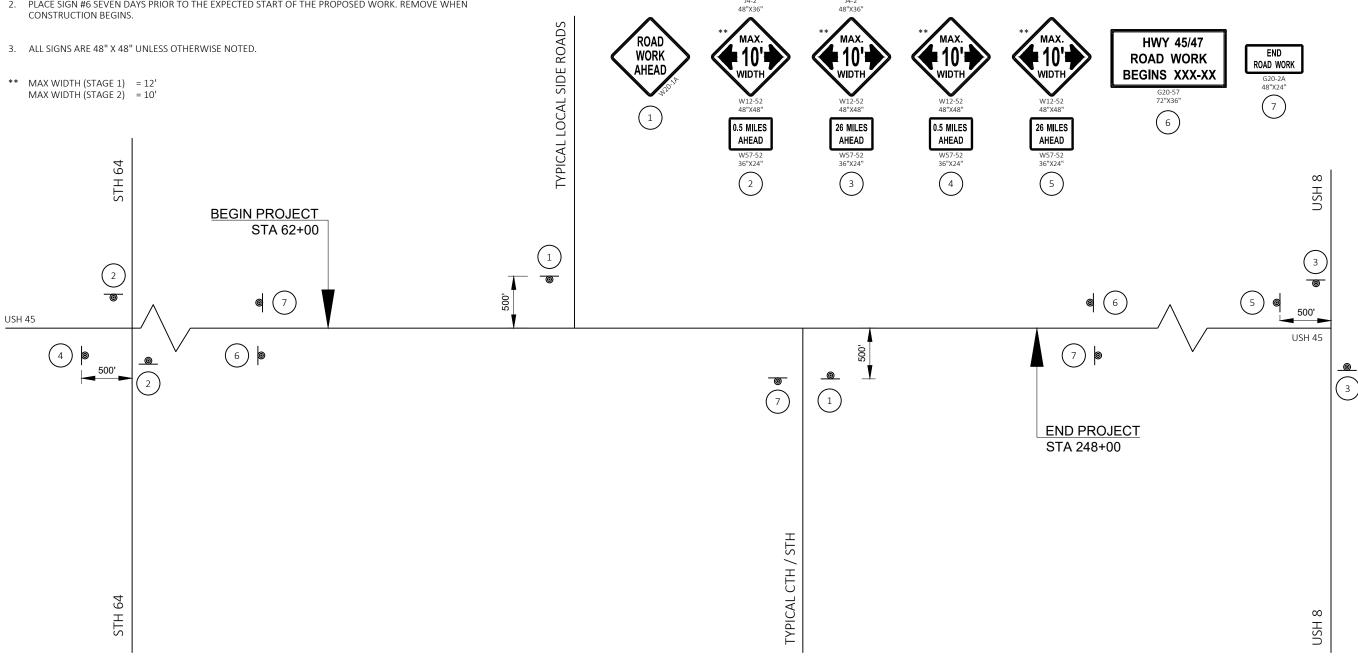
PROJECT NO: 1602-10-73 HWY: USH 45 COUNTY: LANGLADE PLAN: CTH A SLIP LANE - GORE MAINTENANCE SHET 

FILE NAME: N:\PDS\C3D\\16021003\SHEETSPLAN\021101\_CD.DWG LAYOUT NAME - 021102-cd SHETSPLAN\021101\_CD.DWG LAYOUT NAME - 021

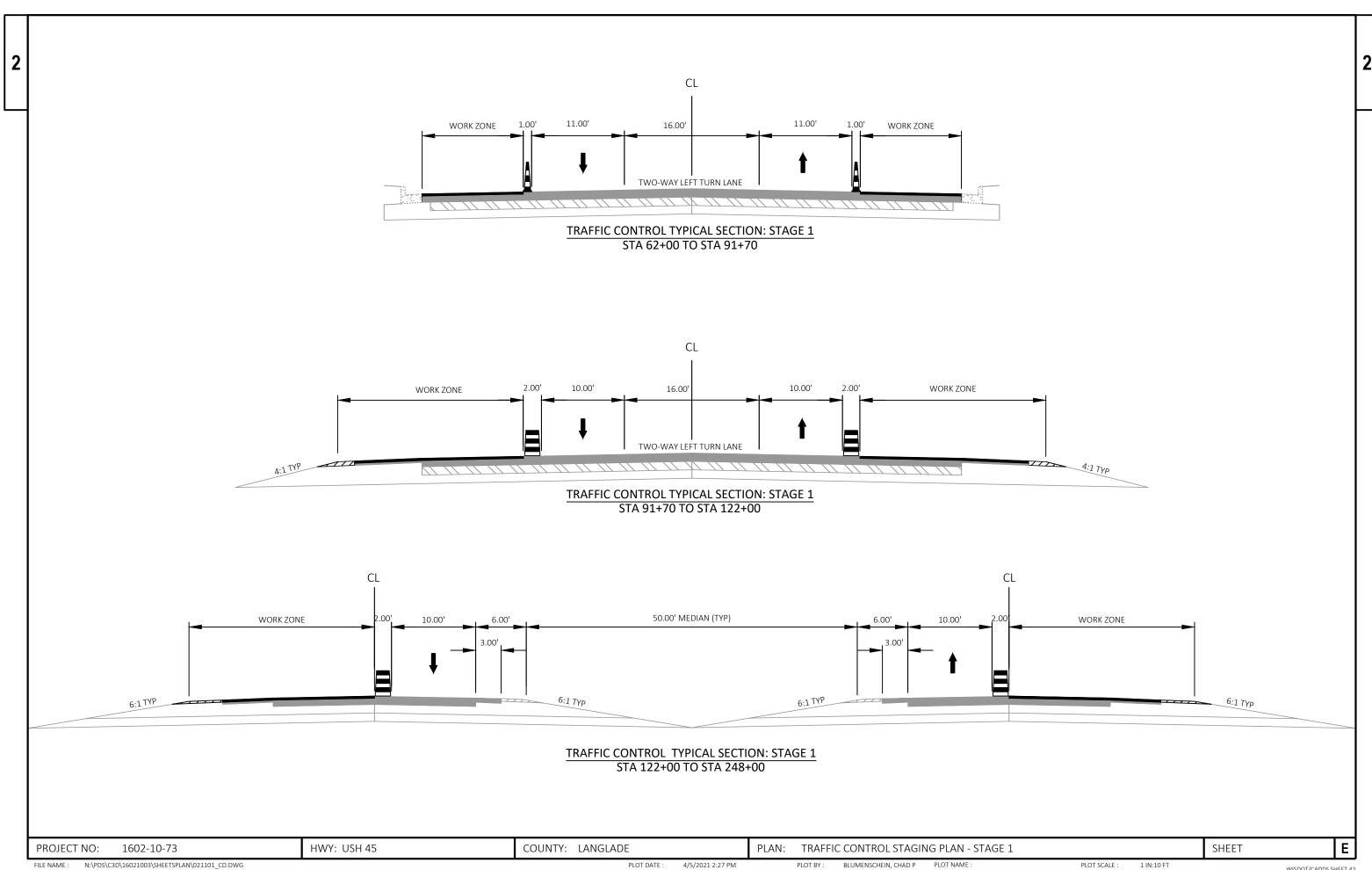
LAYOUT NAME - 021102-cd



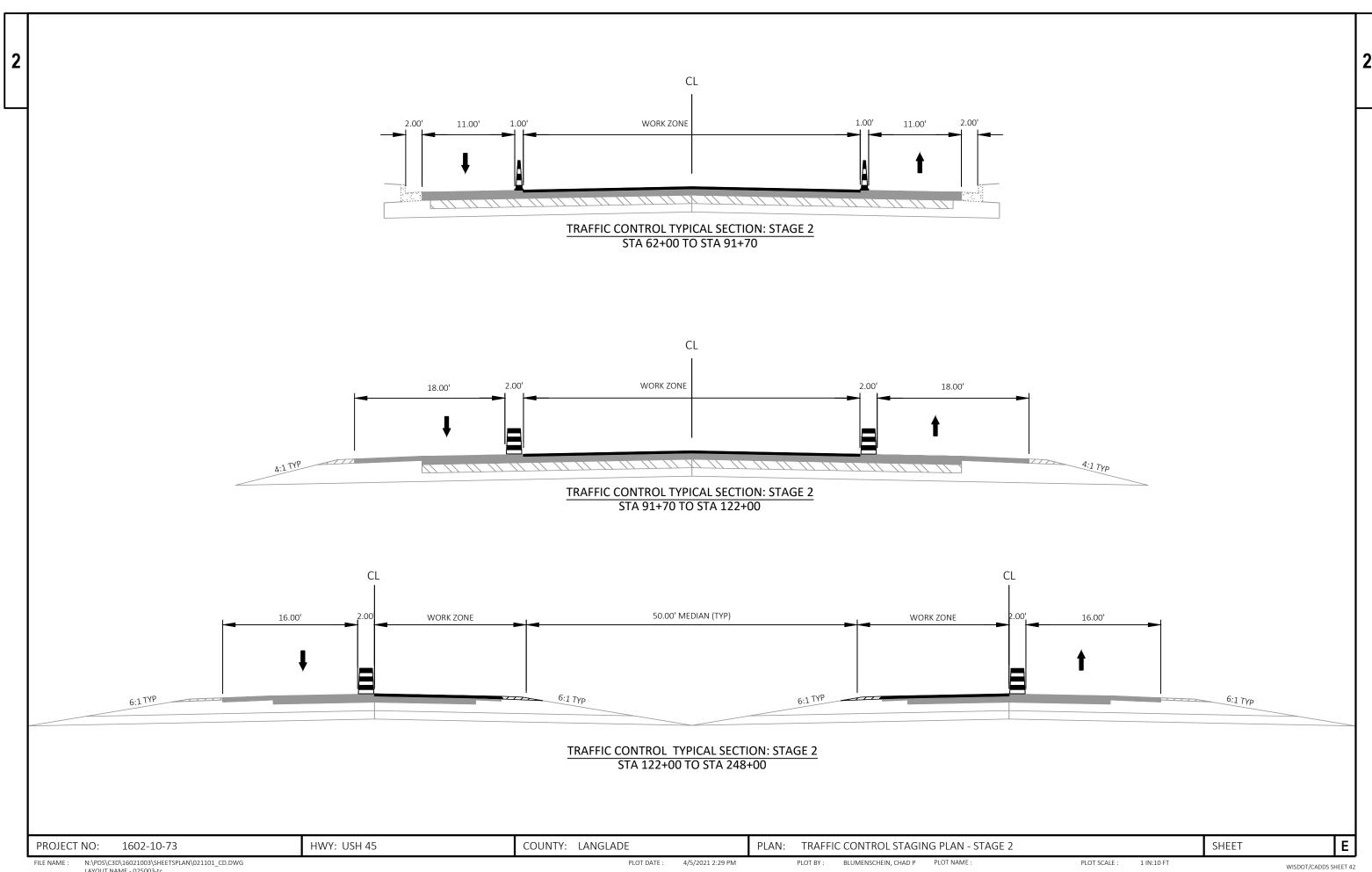
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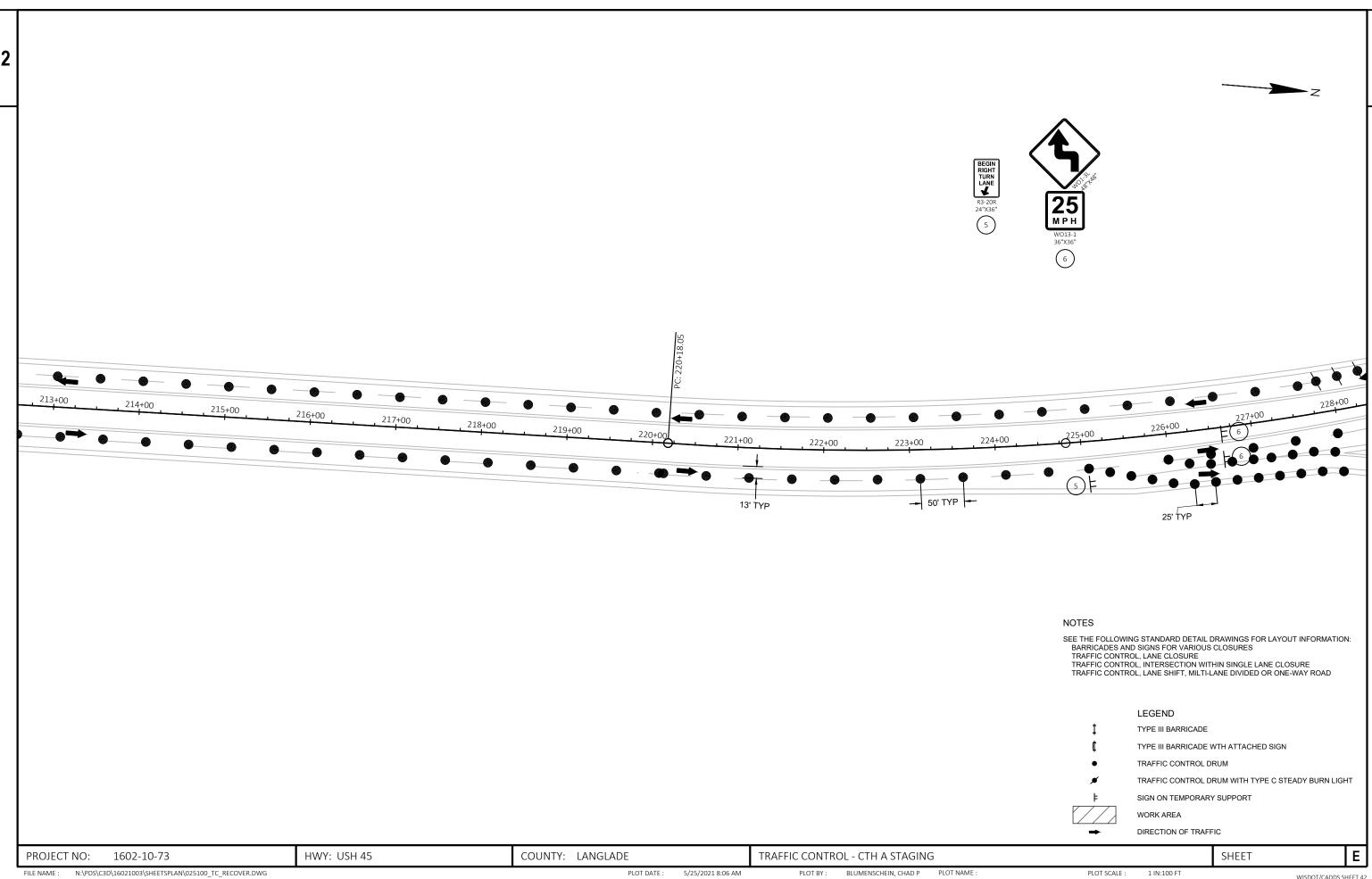
Ε PROJECT NO: 1602-10-73 HWY: USH 45 COUNTY: LANGLADE TRAFFIC CONTROL - ADVANCED WARNING SIGNS SHEET N:\PDS\C3D\16021003\SHEETSPLAN\021101 CD.DWG PLOT DATE : PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: PLOT SCALE : 1 IN:10 FT FILE NAME : 4/5/2021 2:27 PM WISDOT/CADDS SHEET 42 LAYOUT NAME - 025001-tc



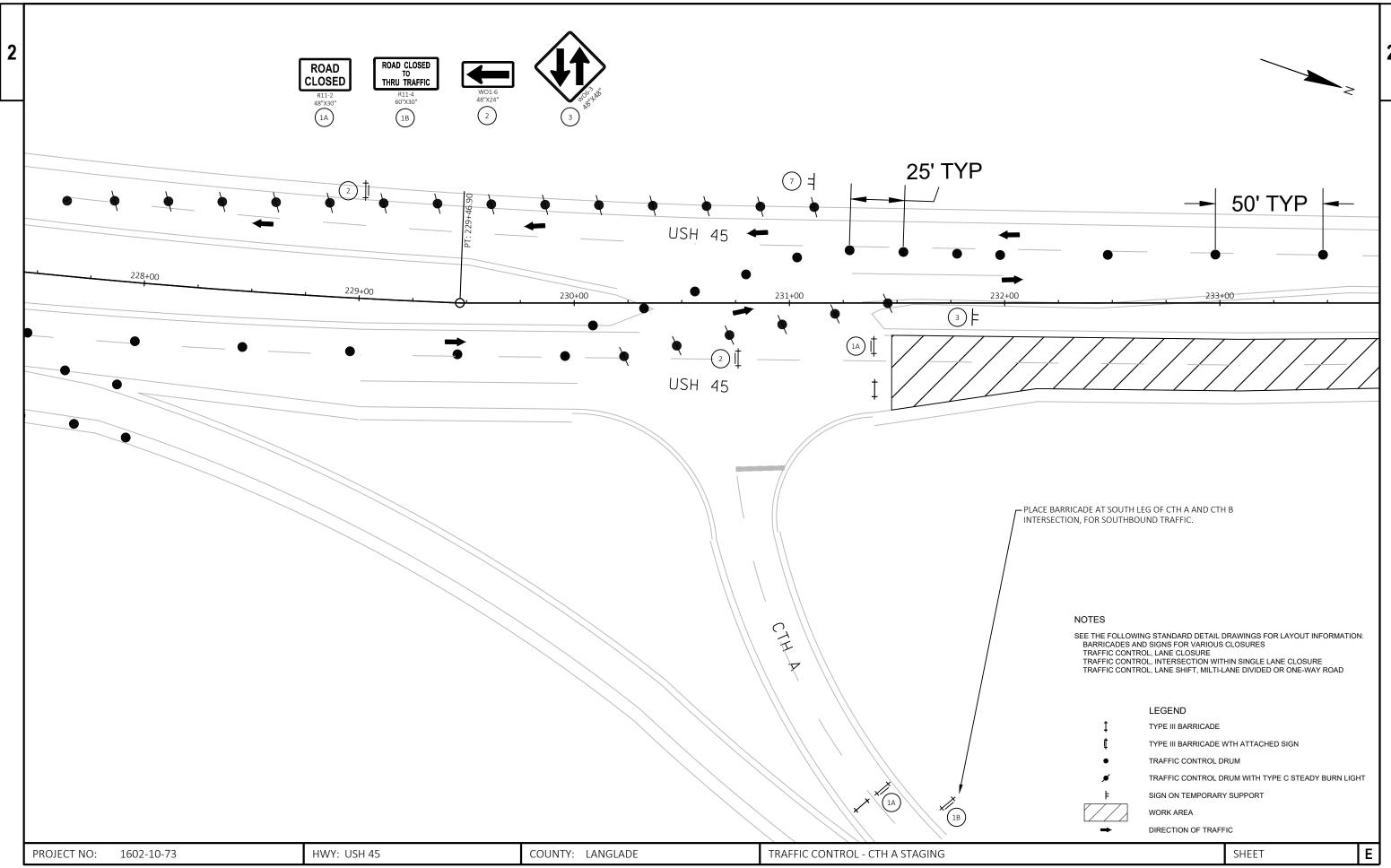
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LAYOUT NAME - 025002-tc



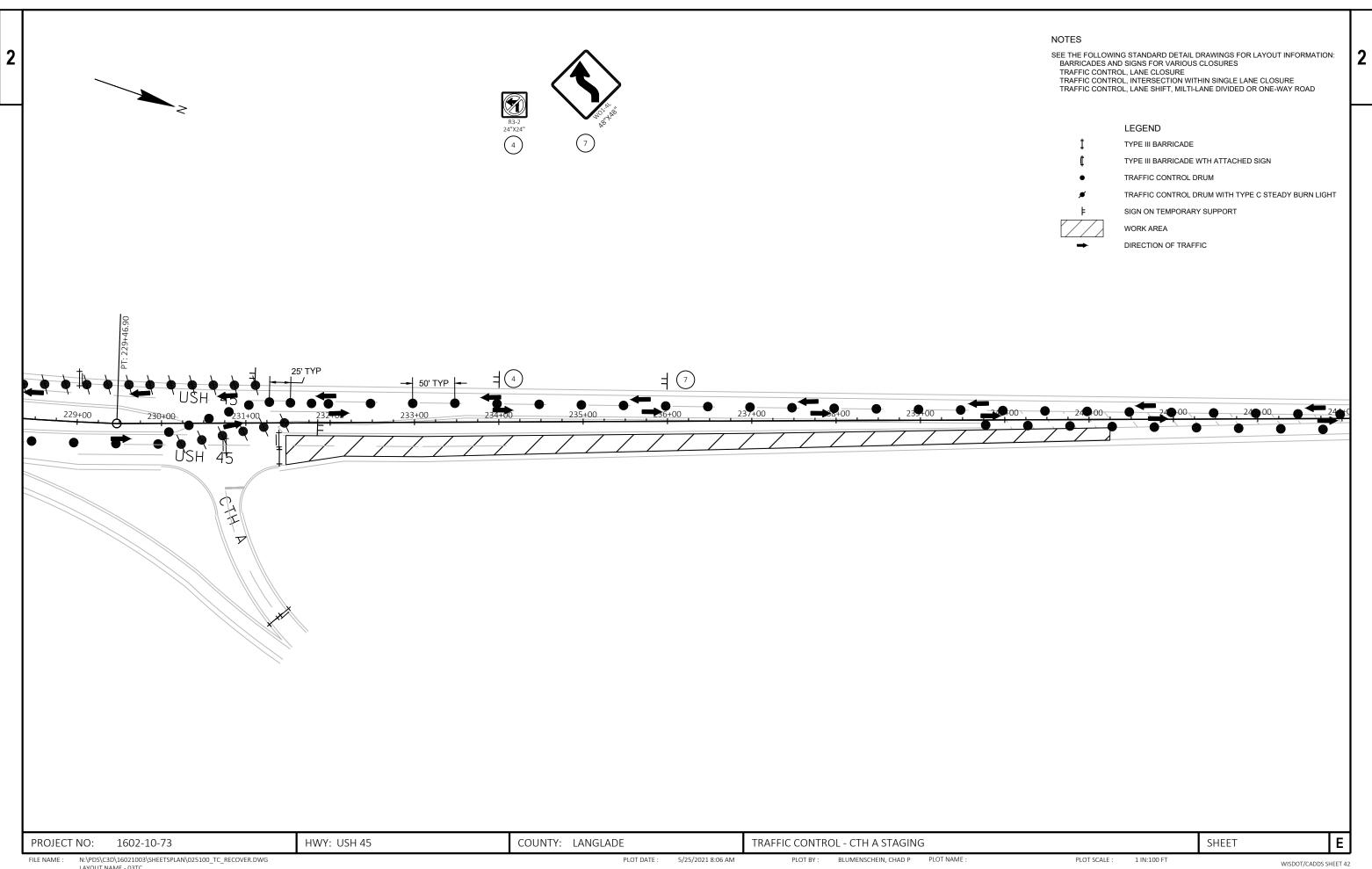
LAYOUT NAME - 025003-tc



WISDOT/CADDS SHEET 42 LAYOUT NAME - 01TC



FILE NAME: N:\PDS\C3D\16021003\SHEETSPLAN\025100\_TC\_RECOVER.DWG PLOT DATE: 5/25/2021 8:06 AM PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: 1 IN:40 FT WISDOT/CADDS SHEET 42



N:\PDS\C3D\16021003\SHEETSPLAN\025100\_TC\_RECOVER.DWG WISDOT/CADDS SHEET 42

0078

650.8000

Construction Staking Resurfacing Reference

LF

18,600.000

18,600.000

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			Page 2	
			1602-10-73	
0800	740.0440 Incentive IRI Ride	DOL 28,1	90.000 28,190.000	

204.0115 REMOVING **ASPHALTIC SURFACE BUTT** JOINTS

			JUINIS
STATION	LOCATION	REMARKS	(SY)
62+00 - 62+10	MAINLINE (PROJECT START)	NB & SB LANES	56
247+90 - 248+00	MAINLINE (PROJECT END)	NB & SB LANES	33
	SIDEROADS		240
		TOTAL	329

211.0400 PREPARE FOUNDATION **FOR ASPHALTIC** SHOULDERS

STATION	LOCATION	(STA)
227+50 - 228+50	CTH A SLIP LANE - GORE	1
	TOTAL	1

**BASE AGGREGATE ITEMS** 305.0110 305.0504.S BASE AGGREGATE HAULING EXCESS **DENSE 3/4-INCH SHOULDER** MATERIAL **STATION** LOCATION (TON) (CY) 91+70 - 248+00 SHOULDERS (LT/RT) 1222 227+50 - 228+50 6 CTH A SLIP LANE - GORE TOTAL 1222

204.0120 **REMOVING ASPHALTIC SURFACE MILLING** 

STATION	LOCATION	REMARKS	(SY)
62+10 - 247+90	USH 45 (NB & SB TRAFFIC LANES)	1.50-INCH DEPTH	99093
62+10 - 122+00	USH 45 (TWLTL)	1.50-INCH DEPTH	10649
91+70 - 247+90	USH 45 (NB & SB PAVED SHOULDERS)	1.50-INCH DEPTH	30567
	CTH N TURNING LANES	1.50-INCH DEPTH	1366
	CHERRY RD TURNING LANES	1.50-INCH DEPTH	1353
	CTH I TURNING LANES	1.50-INCH DEPTH	2118
	CTH A TURNING LANES/GORE	1.50-INCH DEPTH	571
	SIDEROADS & CROSSOVERS	1.50-INCH DEPTH	3328
		TOTAL	149046

**HMA PAVEMENT ITEMS** 460.6225 455.0605 465.0110 **HMA** TACK **ASPHALTIC PAVEMENT** SURFACE COAT 5 MT 58-28 S PATCHING

STATION	LOCATION	(GAL)	(TON)	(TON)
62+00 - 248+00	USH 45 (NB & SB TRAFFIC LANES)	6944	8333	
62+00 - 122+00	USH 45 (TWLTL)	747	896	
91+70 - 248+00	USH 45 (NB & SB PAVED SHOULDERS)	2141	2569	
	CTH N TURNING LANES	96	115	
	CHERRY RD TURNING LANES	95	114	
	CTH I TURNING LANES	148	178	
	CTH A TURNING LANES	39	46	
	SIDEROADS & CROSSOVERS	462	554	
	CTH A SLIP LANE - GORE	4	11	
	UNDISTRIBUTED			50
	TOTAL	10674	12815	50

HWY: USH 45 SHEET Ε PROJECT NO: 1602-10-73 COUNTY: LANGLADE MISCELLANEOUS QUANTITIES

PWL ITEMS	HMA PWL	460.0110.S HMA PWL TEST STRIP DENSITY		STATION	LOCATIO	·N	465.04 ASPHAL SHOULE RUMBLE S (LF)	TIC DER TRIPS		STATION	LO	CATION	WA	0100 ATER GAL)
LOCATION PROJECT	(EACH) 1	(EACH) 1			INSIDE PAVED SHOULD OUTSIDE PAVED SHOUL	•	21590 29080	0		91+70 - 248+00		GGREGATE (LT/		24
TOTAL	1	1			TOTAL		50,67	0						
		628.7015 INLET PROTECT TYPE C		FRAFFIC CONTROL IT			643.0300 TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL BARRICADE TYPE III	TRAI . CONT ES WARI LIGHTS	FFIC TRAFFIC TROL CONTROL NING WARNING TYPE A LIGHTS TYPE	С	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE	CONES 42- INCH	TRAFFIC CONTROL
<b>STATION</b> 62+00 - 91+70	URBAN TYPICAL SECTION	(EACH) 22	_   -	STATION 62+00 - 91+70 91+70 - 122+00	URBAN TYPICAL SECT	ION - NO MEDIAN ION - NO MEDIAN	(DAY)  4848	238 243	( <b>D</b> A 47 48	76 400	(DAY)  	(SF) 18 	9504 	(EACH)  
	TOTAL	22	_	122+00 - 248+00 62+00 - 248+00	RURAL TYPICAL SECTIC PROJE		V 20160 	1022 	20-	44 20	2320	18 		1
			=		TOTA	AL	25,008	1,503	3,0	005 420	2320	36	9,504	1
PAVEMENT MARKING	<u>TEMS</u>	646.1020 MARKING LINE EPOXY 4-INCH	646.1040 MARKING LII GROOVED W REFLECTIVI EPOXY 4-INC DASHED	NE MARKING LIN /ET GROOVED WE E REFLECTIVE CH EPOXY 8-INCI CHANNELIZIN	T SAME DAY EPOXY 4-INCH CENTERLINE G	MARKING MA ARROW W EPOXY EF	RKING M. ORD ST POXY EP	ARKING N OP LINE DI OXY 18- EI INCH	646.7120 MARKING MAGONAL POXY 12- INCH	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH CENTERLINE			CON	550.8000 ISTRUCTION STAKING SURFACING
STATION	LOCATION	WHITE (LF)	WHITE (LF)	WHITE (LF)	YELLOW	WHITE W	HITE \	WHITE		YELLOW				EFERENCE

E HWY: USH 45 COUNTY: LANGLADE SHEET PROJECT NO: 1602-10-73 MISCELLANEOUS QUANTITIES N:\PDS\C3D\16021003\SHEETSPLAN\030201\_MQ.DWG FILE NAME :

16

16

32

7392

33686

41078

PROJECT

PROJECT

**TOTALS** 

120+00 - 122+00 HATCHED MEDIAN TRANSITION

227+00 - 229+00 HATCHED GORE - CTH A SLIP LANE

242+10 - 248+00 HATCHED MEDIAN TRANSITION

1479

31292

32771

--

7418

7418

1700

1700

62+00 - 91+70

91+70 - 248+00

4

98

98

260

90

300

650

(LF)

18600

18600

LOCATION

PROJECT

TOTAL

STATION

62+00 - 248+00

6150

32622

38772

E

WISDOT/CADDS SHEET 42

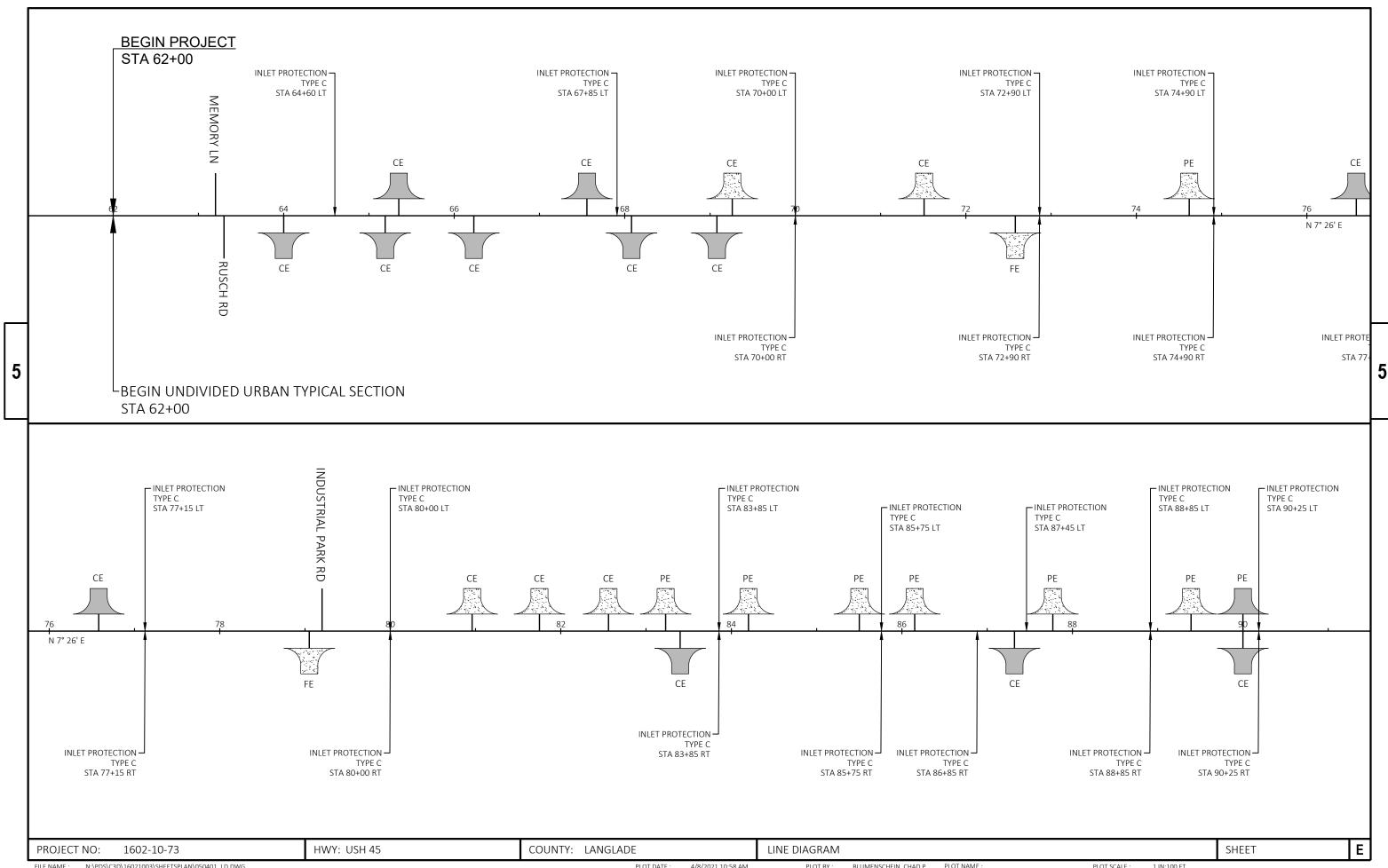
# PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

							QUALITY MANAGEMENT PROGRAM TO BE USED FOR:			
LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE		
	62+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density PWL HMA		
12-foot left lane (NB)	248+00	Layer	HMA Surface	5 MT 58-28 S	2083	1.5"	Pavement 460.2010	Pavement 460.2005		
	62+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density PWL HMA		
12-foot right lane (NB)	248+00	Layer	HMA Surface	5 MT 58-28 S	2083	1.5"	Pavement 460.2010	Pavement 460.2005		
	62+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density PWL HMA		
12-foot left lane (SB)	248+00	Layer	HMA Surface	5 MT 58-28 S	2083	1.5"	Pavement 460.2010	Pavement 460.2005		
	62+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density PWL HMA		
12-foot right lane (SB)	248+00	Layer	HMA Surface	5 MT 58-28 S	2083	1.5"	Pavement 460.2010	Pavement 460.2005		
	62+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density PWL HMA		
Two-way Left Turn Lane	122+00	Layer	HMA Surface	5 MT 58-28 S	896	1.5"	Pavement 460.2010	Pavement 460.2005		
8-foot Paved Outside	91+70 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density HMA		
Shoulders (NB/SB)	122+00	Layer	HMA Surface	5 MT 58-28 S	452	1.5"	Pavement 460.2010	Pavement 460.2000		
6-foot Paved Outside	122+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	Incentive Density HMA		
Shoulders (NB/SB)	248+00	Layer	HMA Surface	5 MT 58-28 S	1411	1.5"	Pavement 460.2010	Pavement 460.2000		
								Acceptance testing by the		
3-foot Paved Median	122+00 to	Upper	Milled Existing				PWL Incentive Air Voids HMA	department; Not eligible for		
Shoulders (NB/SB)	248+00	Layer	HMA Surface	5 MT 58-28 S	706	1.5"	Pavement 460.2010	incentive or disincentive		
								Acceptance testing by the		
		Upper	Milled Existing					department; Not eligible for		
Sideroad Turning Lanes		Layer	HMA Surface	5 MT 58-28 S	453	1.5"	QMP as per SS 460.	incentive or disincentive		
								Acceptance testing by the		
		Upper	Milled Existing					department; Not eligible for		
Sideroads & Crossovers		Layer	HMA Surface	5 MT 58-28 S	565	1.5"	QMP as per SS 460.	incentive or disincentive		

PROJECT NO: 1602-10-73 HWY: USH 45 COUNTY: LANGLADE MISCELLANEOUS QUANTITIES SHEET

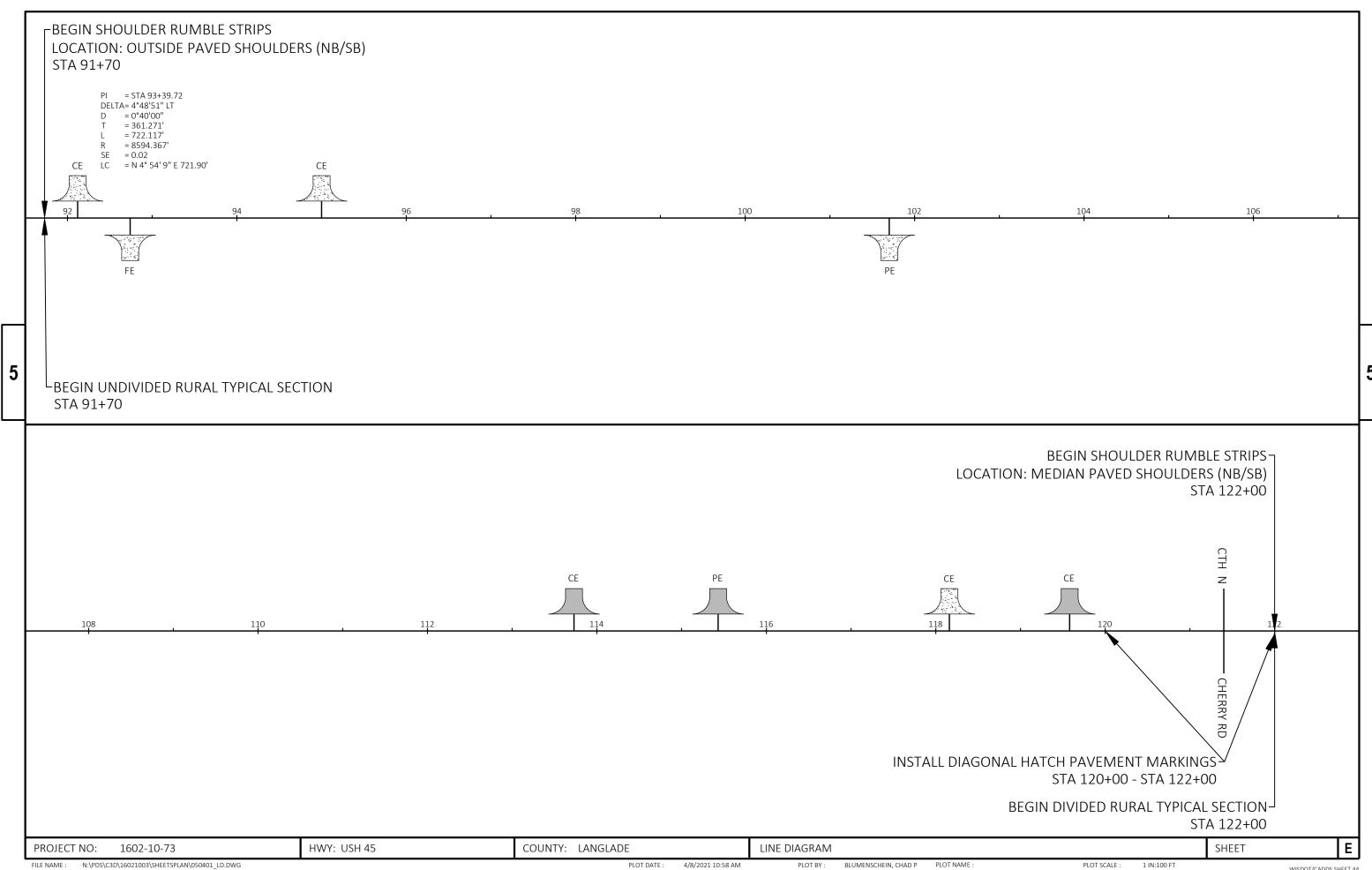
FILE NAME: N:\PDS\C3D\16021003\\$HEETSPLAN\030201\_MQ.DWG PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME:
LAYOUT NAME - 030203-mq



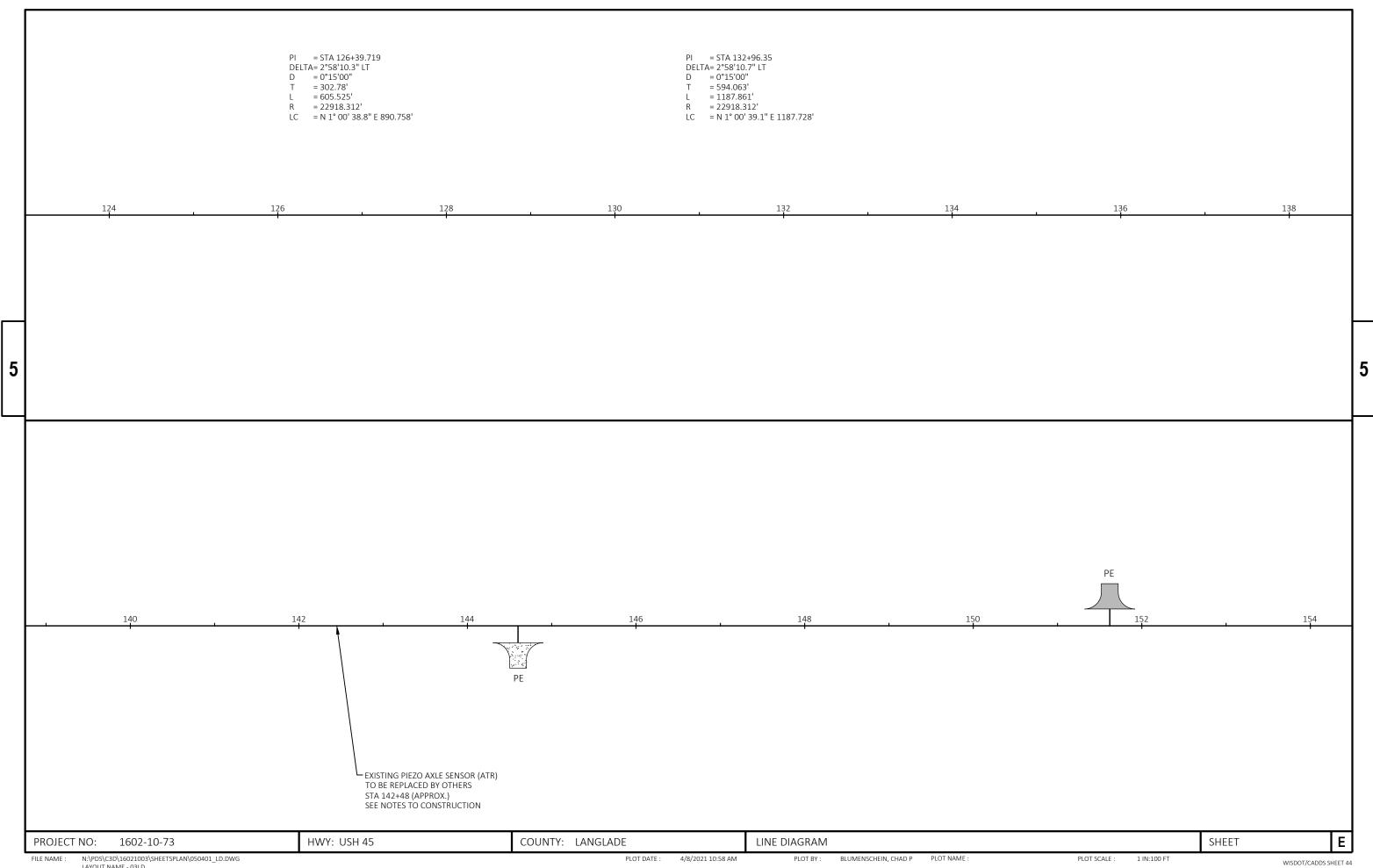
FILE NAME: N:\PDS\C3D\16021003\SHEETSPLAN\050401\_LD.DWG PLOT DATE: 4/8/2021 10:58 AM PLOT BY: BLUMENSCHEIN, CHAD P PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 44

LAYOUT NAME - 01LD

DATOUT INAINIE - UILD



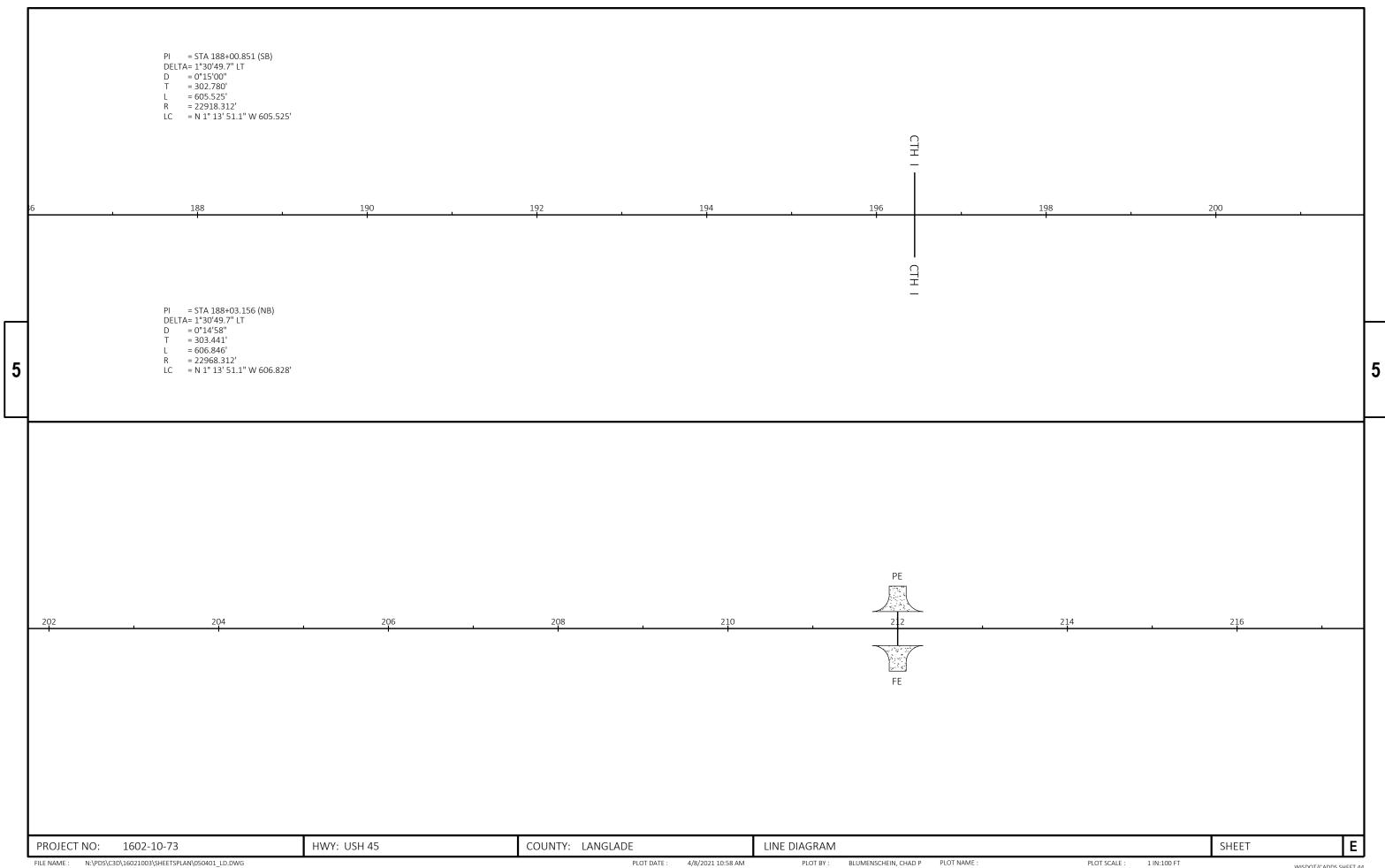
WISDOT/CADDS SHEET 44



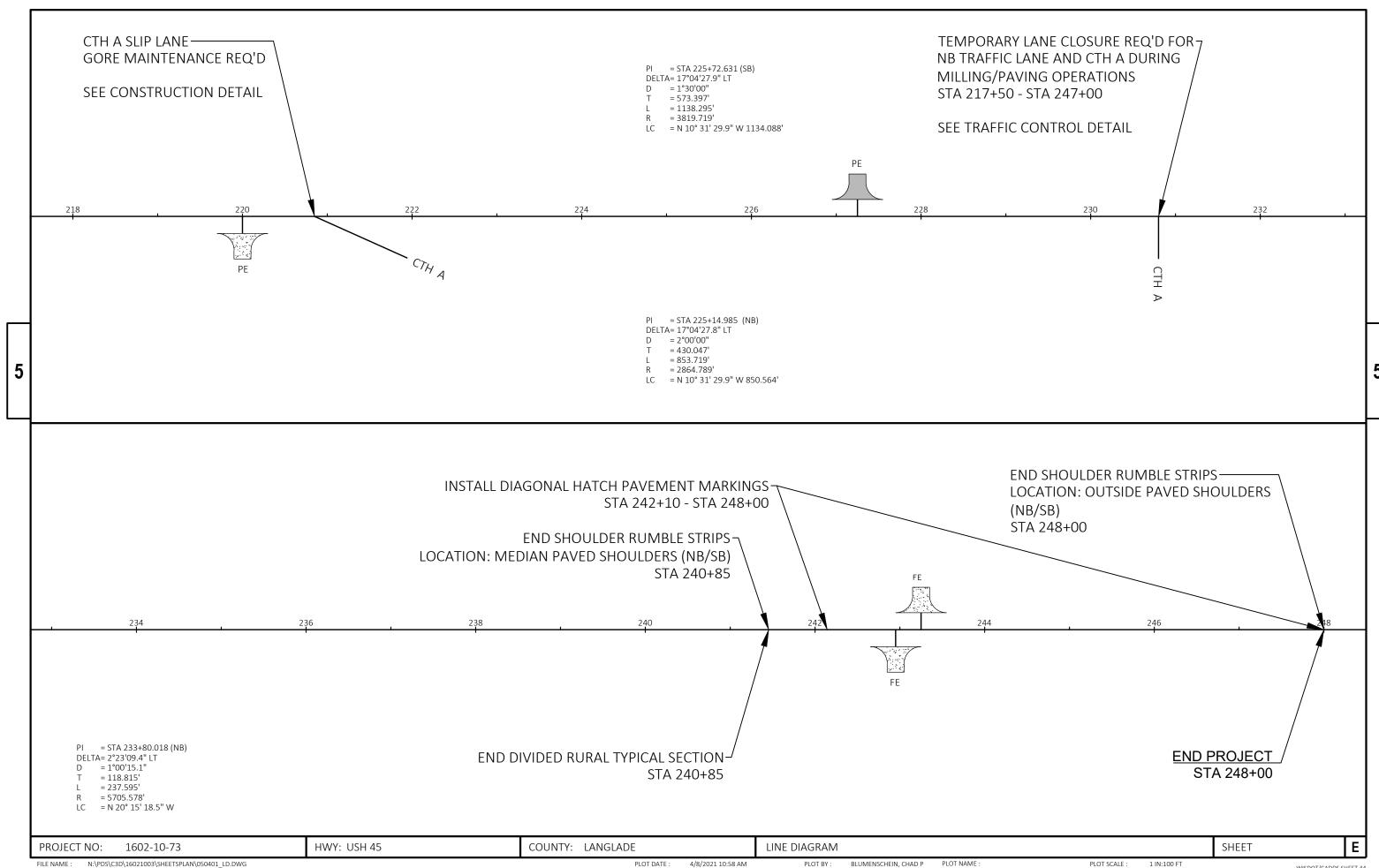
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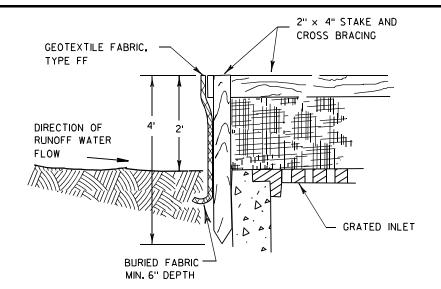
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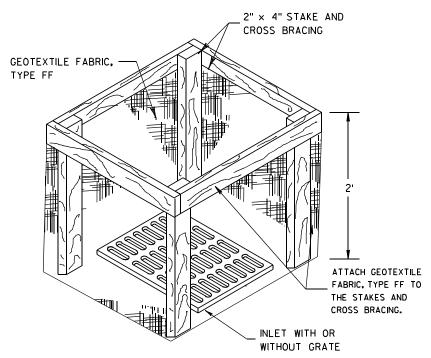


WISDOT/CADDS SHEET 44

# Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-08B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	PAVEMENT MARKINGS, MEDIAN ISLANDS
15С19-О6В	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-10	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-02B	TRAFFIC CONTROL, FULL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D40-02D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D50-01A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-01B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT





INLET PROTECTION, TYPE A

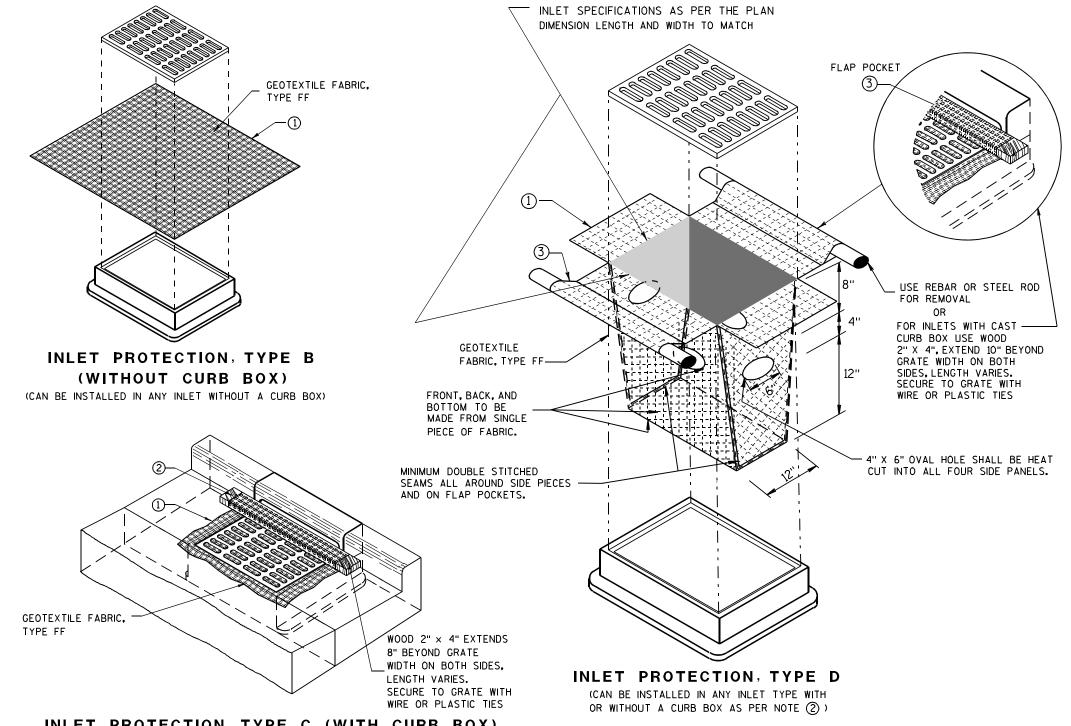
### **GENERAL NOTES**

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 6

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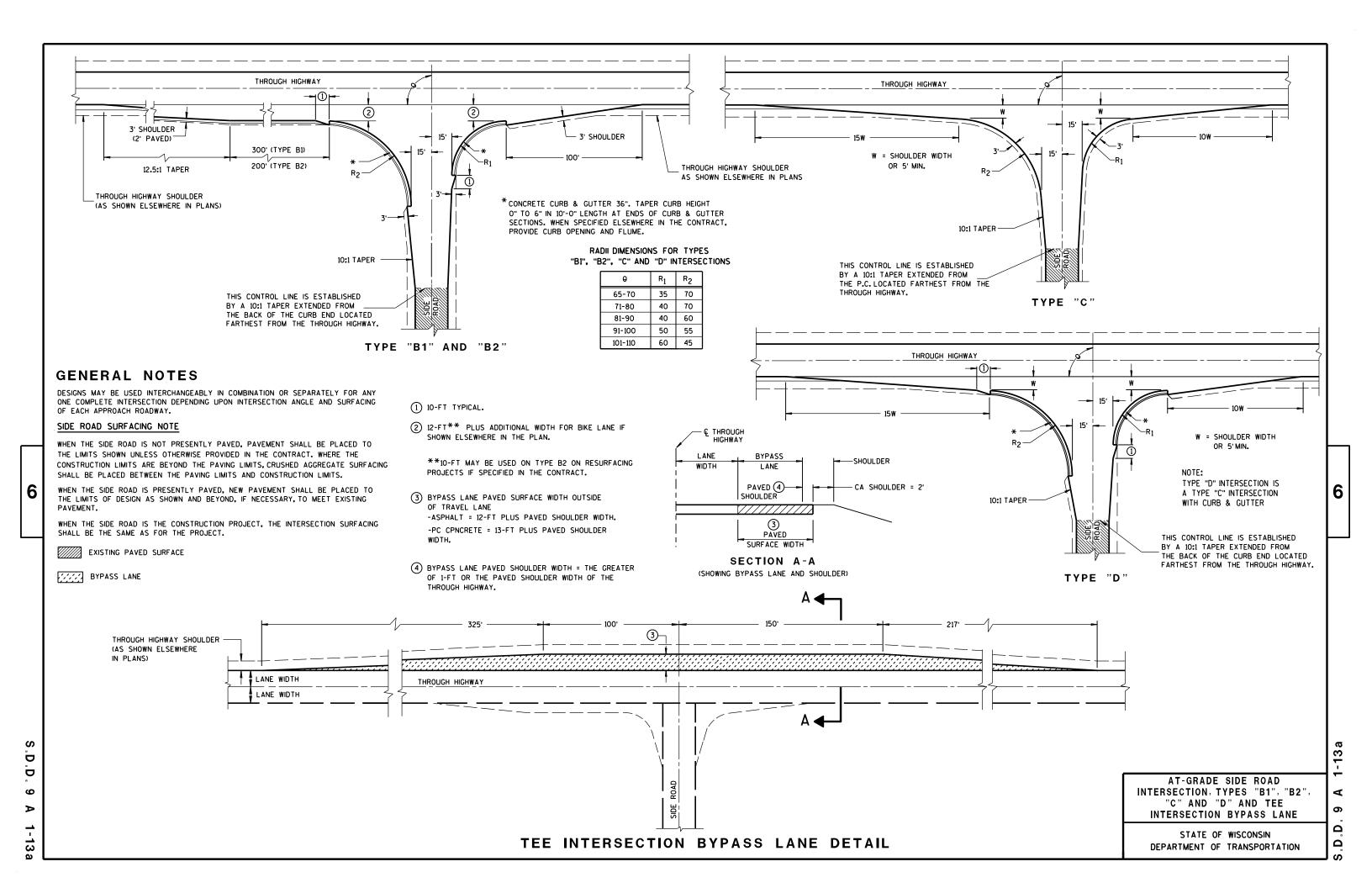
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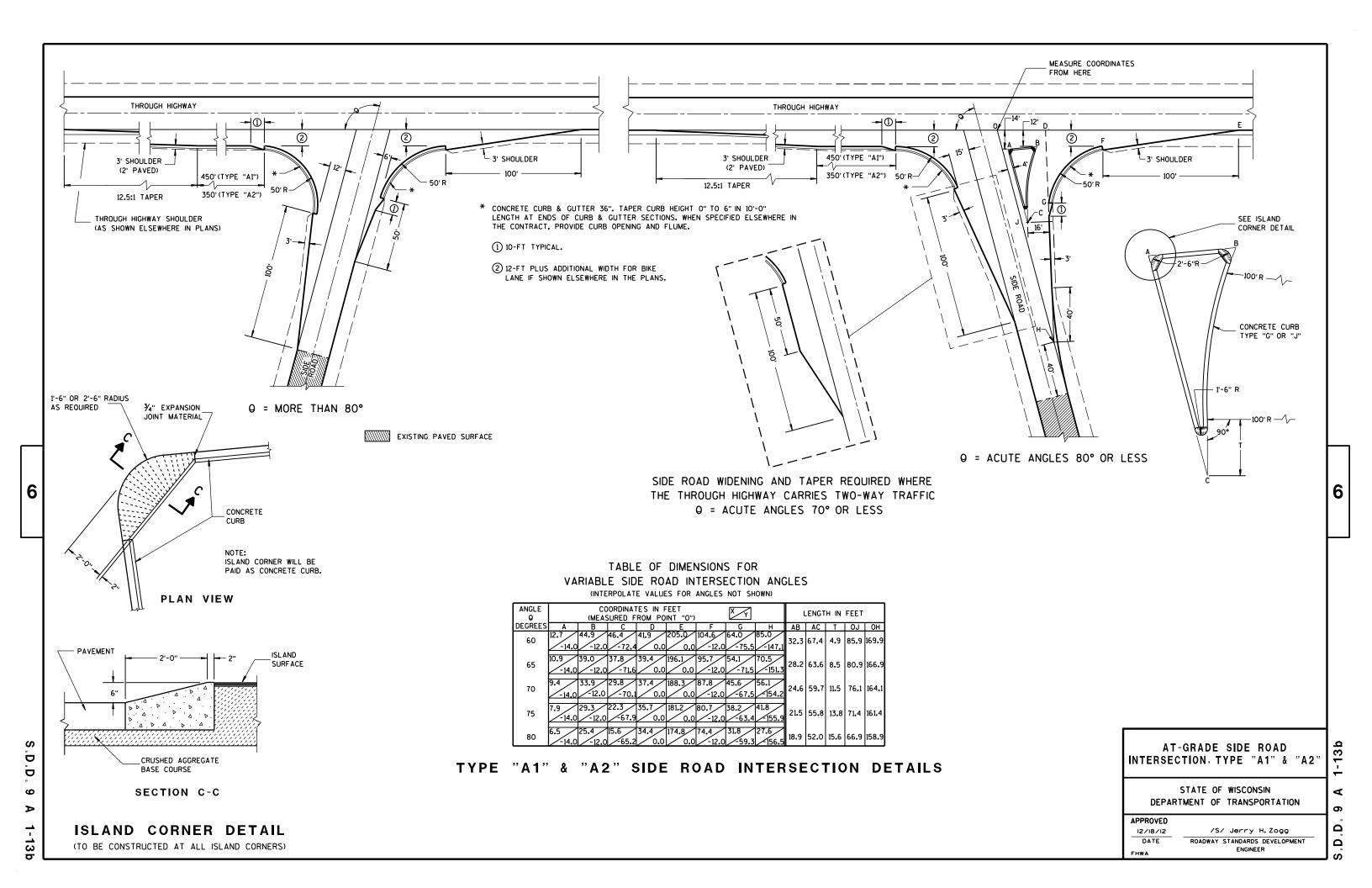
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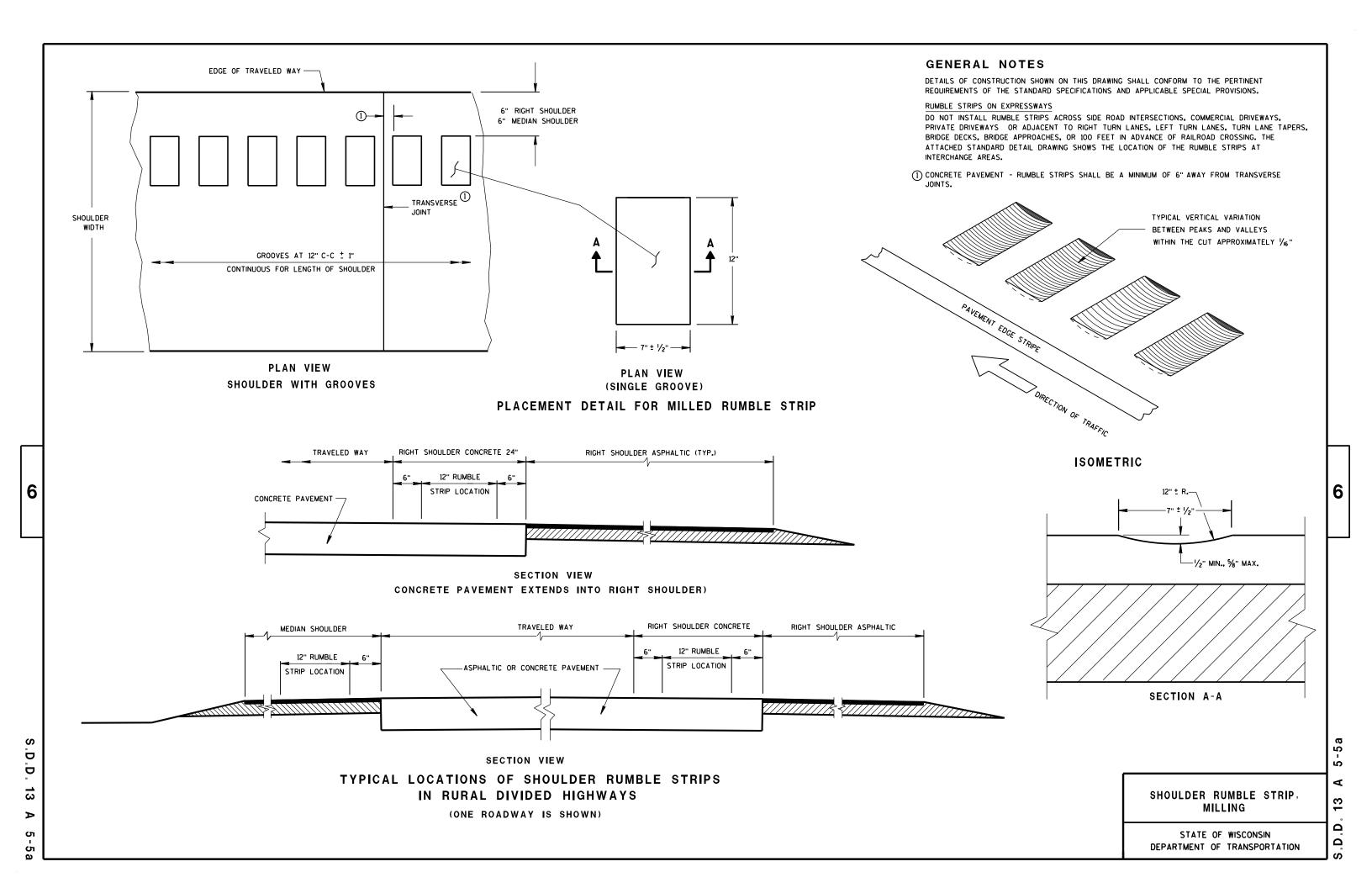
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

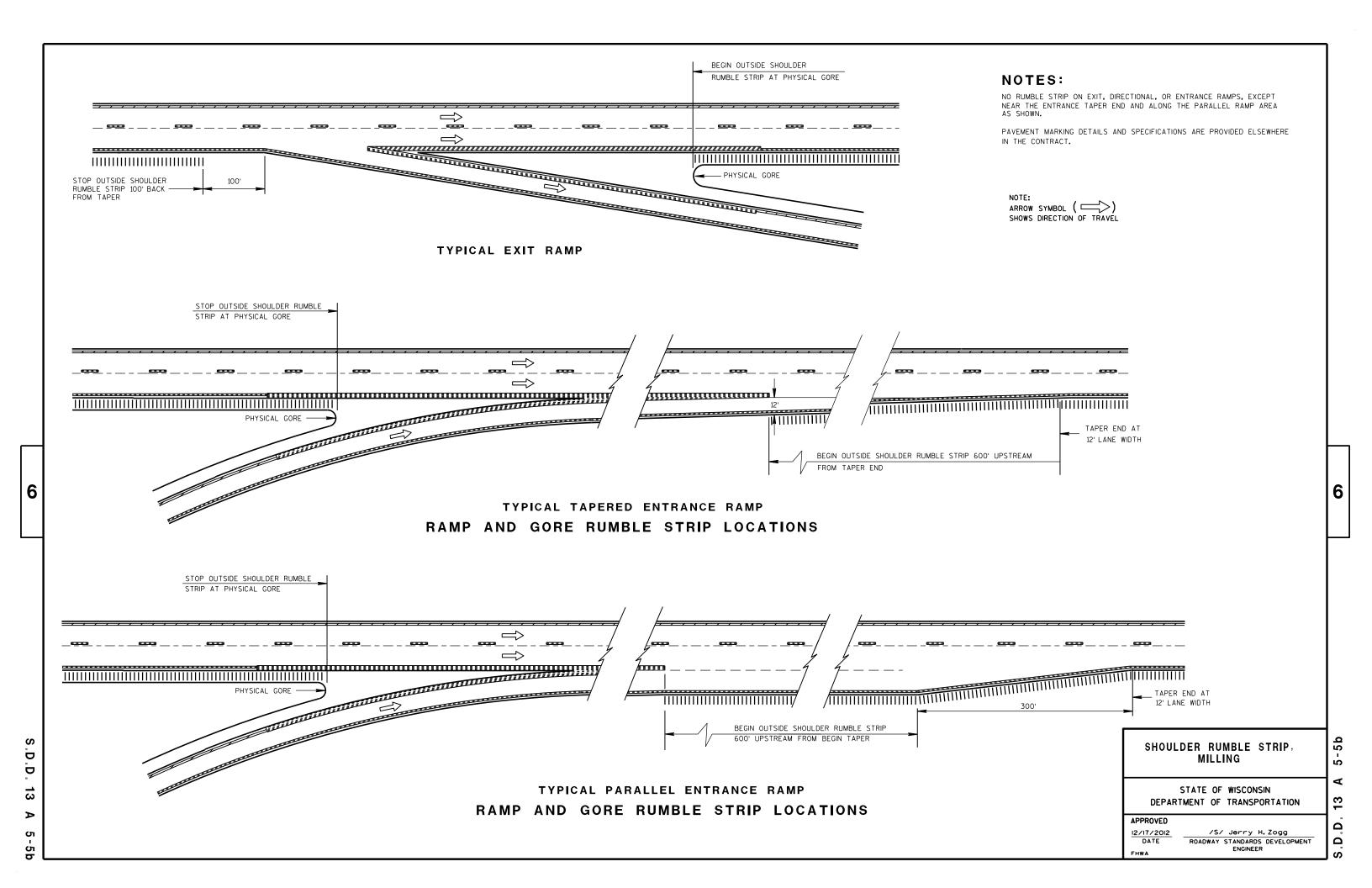
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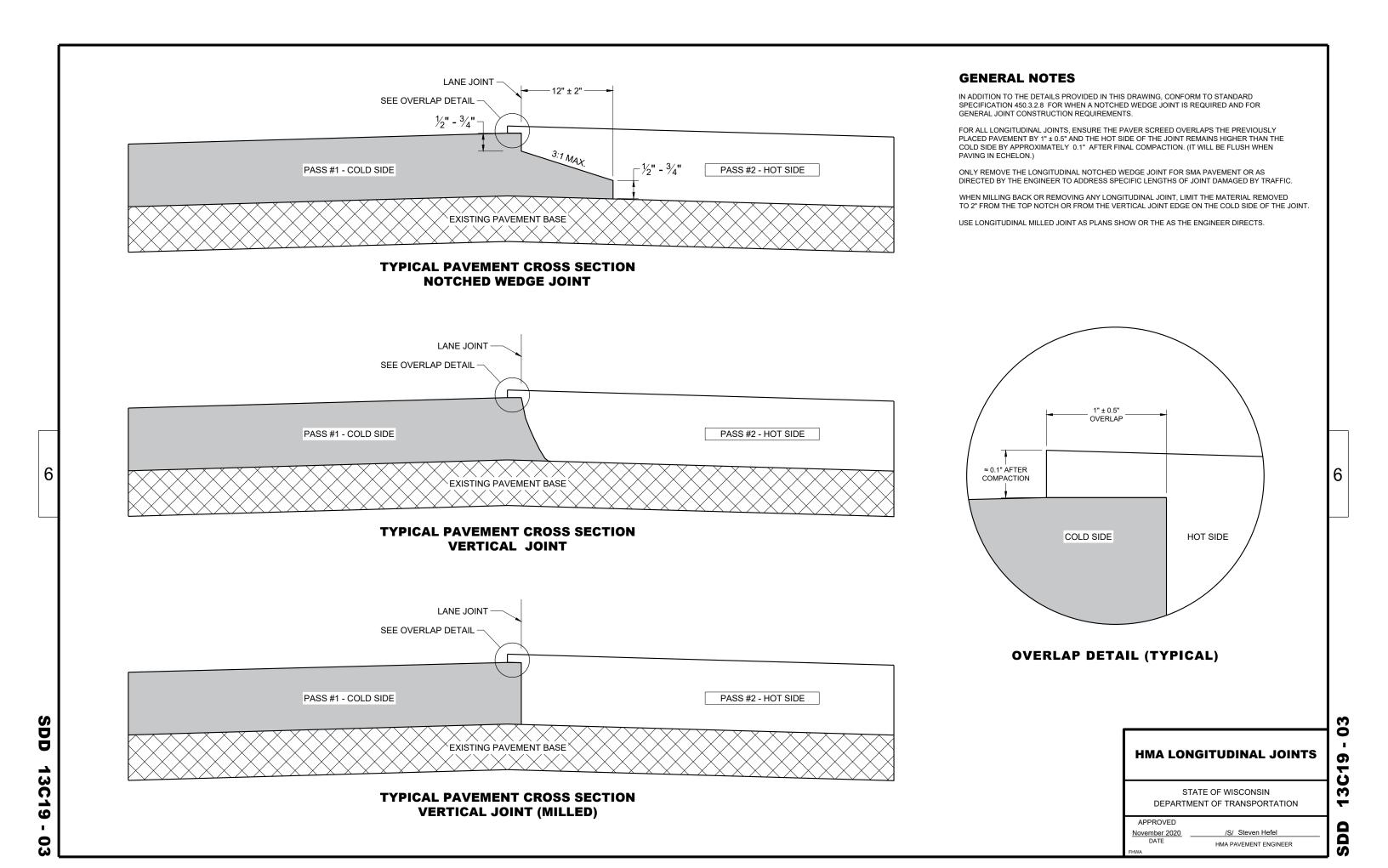
10/16/02 /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

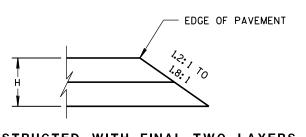


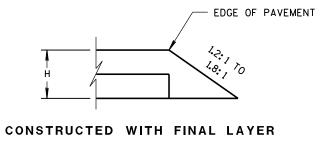








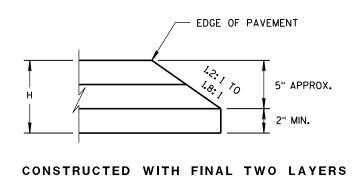




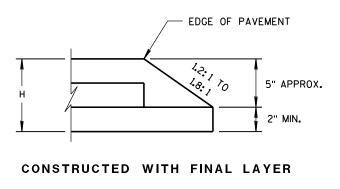
FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS

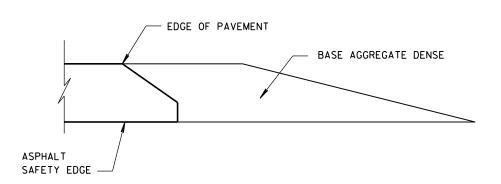


FOR H GREATER THAN 5"



FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

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DEPARTMENT OF TRANSPORTATION

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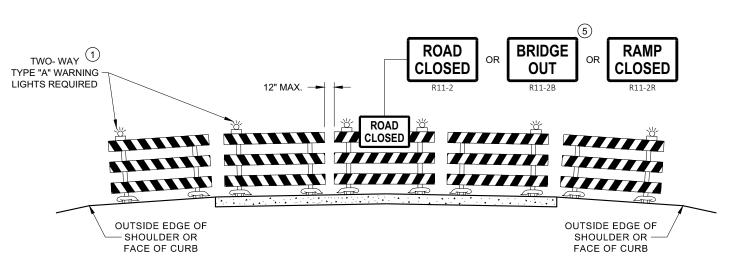
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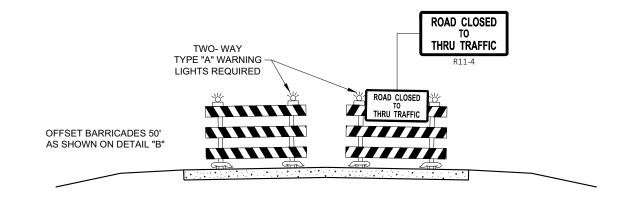
APPROVED

I/30/2012
DATE
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

6



# DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW



# DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

### **GENERAL NOTES**

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

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

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

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

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

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

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

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

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

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 2 AND R11 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- (7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

# BARRICADES AND SIGNS FOR VARIOUS CLOSURES

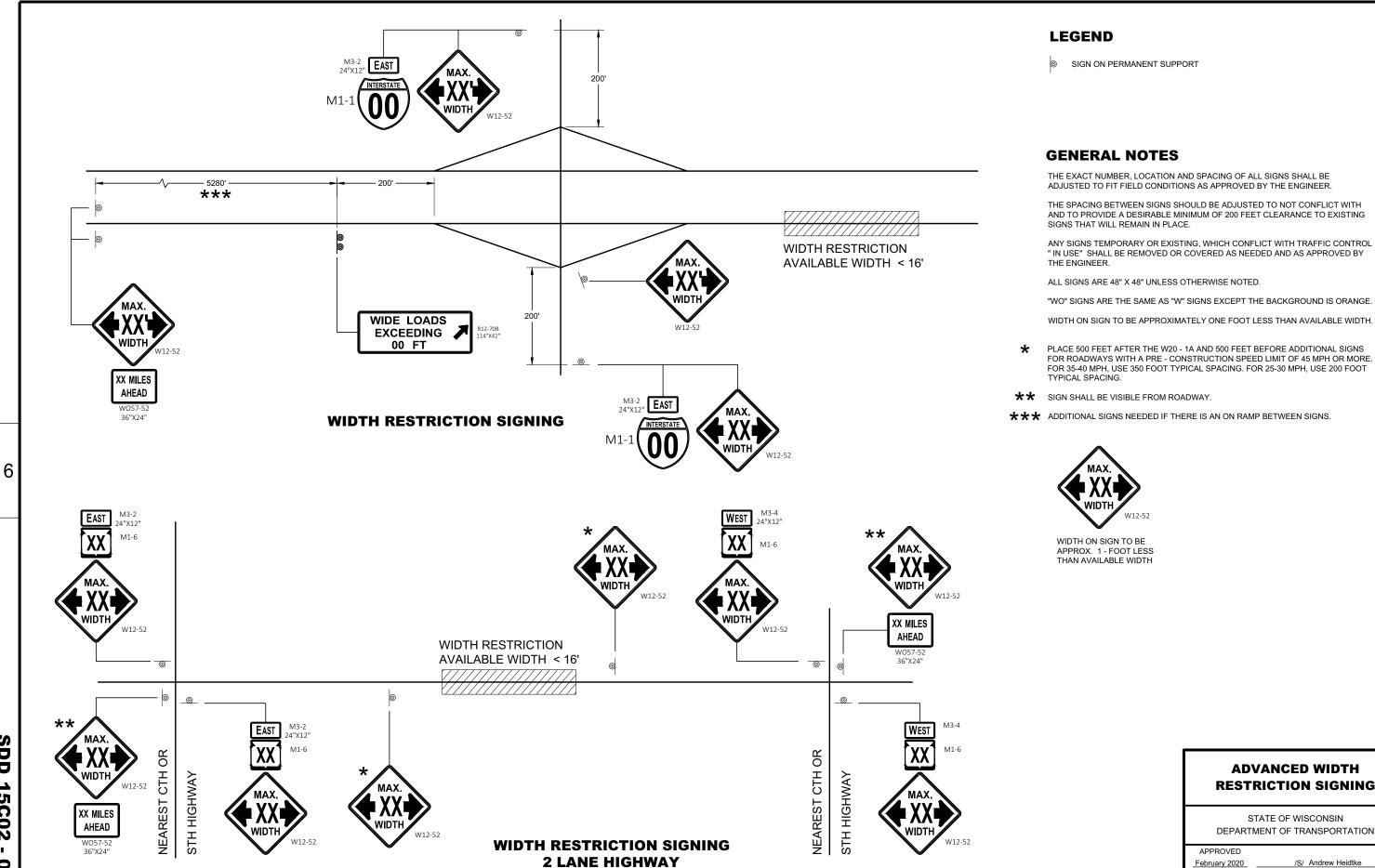
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

DD 15C02 - 08



AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING

"IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY

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

FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT

\*\*\* ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

# **ADVANCED WIDTH RESTRICTION SIGNING**

08

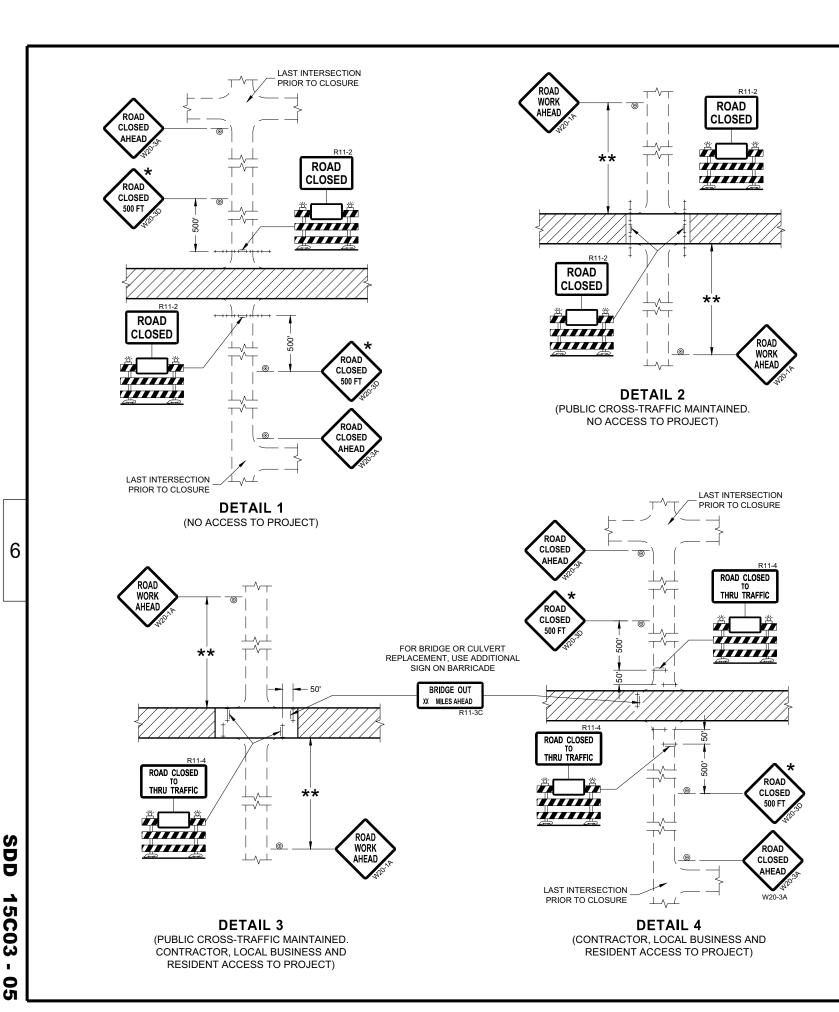
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

February 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

SDD 15C02 08f



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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

 $\begin{tabular}{l} FA "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED. \\ \end{tabular}$ 

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN

 ${\tt TOWARD\ THE\ TRAFFIC\ SIDE\ OR\ AS\ SHOWN\ IN\ THE\ ROAD\ CLOSURE\ BARRICADE\ DETAIL\ "D"\ FOR\ FULL\ ROAD\ CLOSURES.}$ 

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

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- \*\* 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

### LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

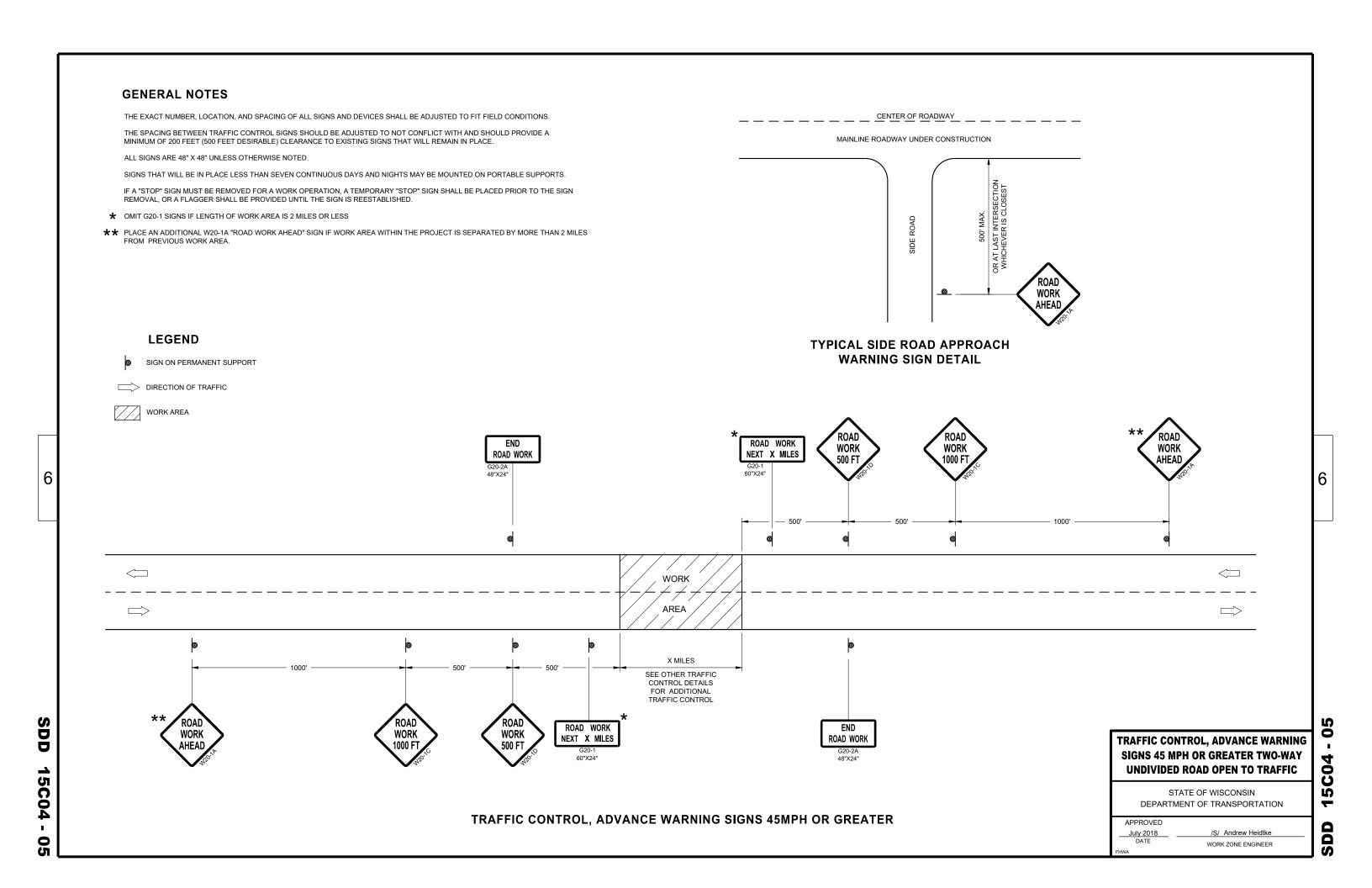
# BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

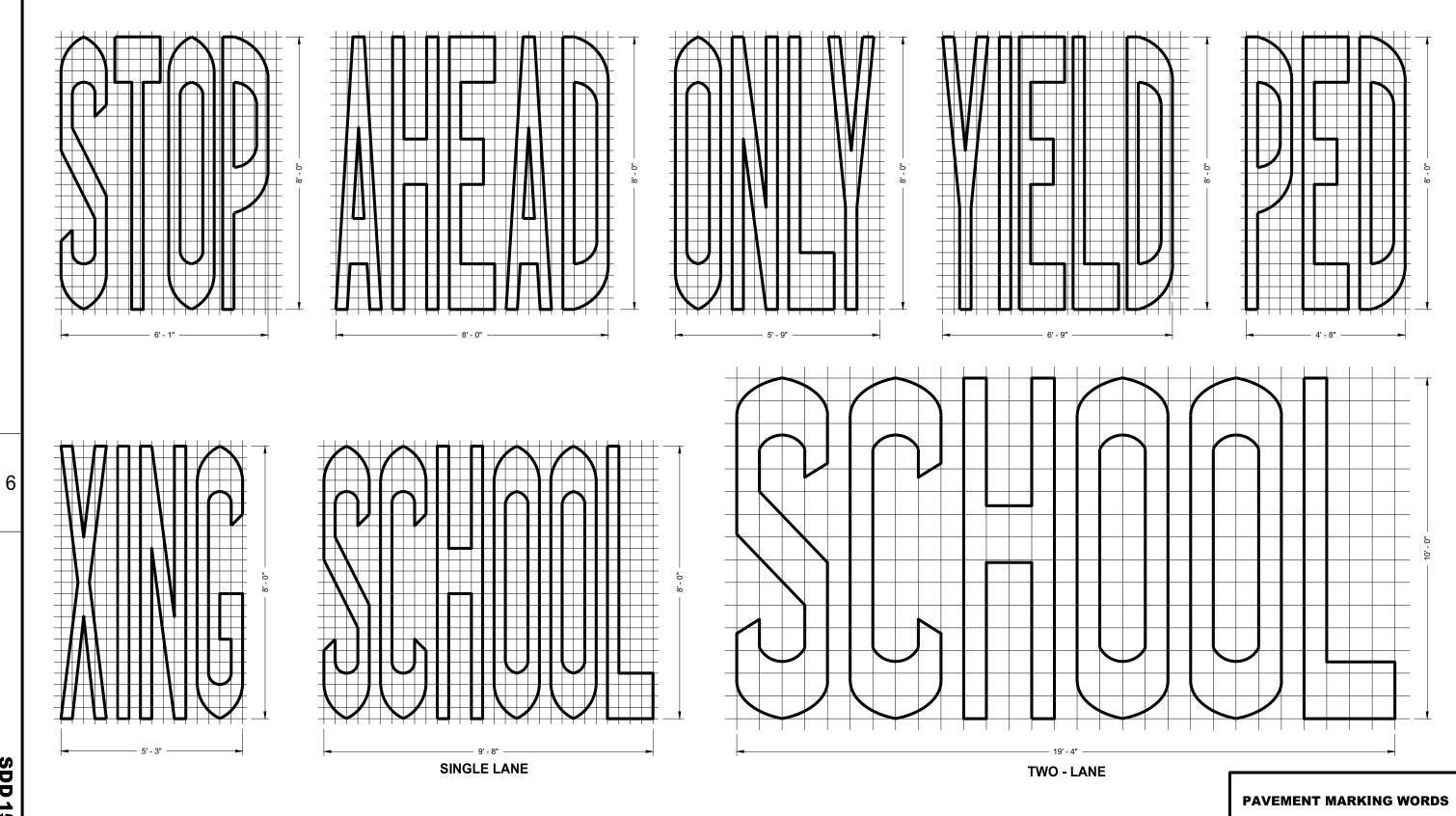
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

 APPROVED
 /S/ Andrew Heidtke

 July 2018
 /S/ Andrew Heidtke

 DATE
 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
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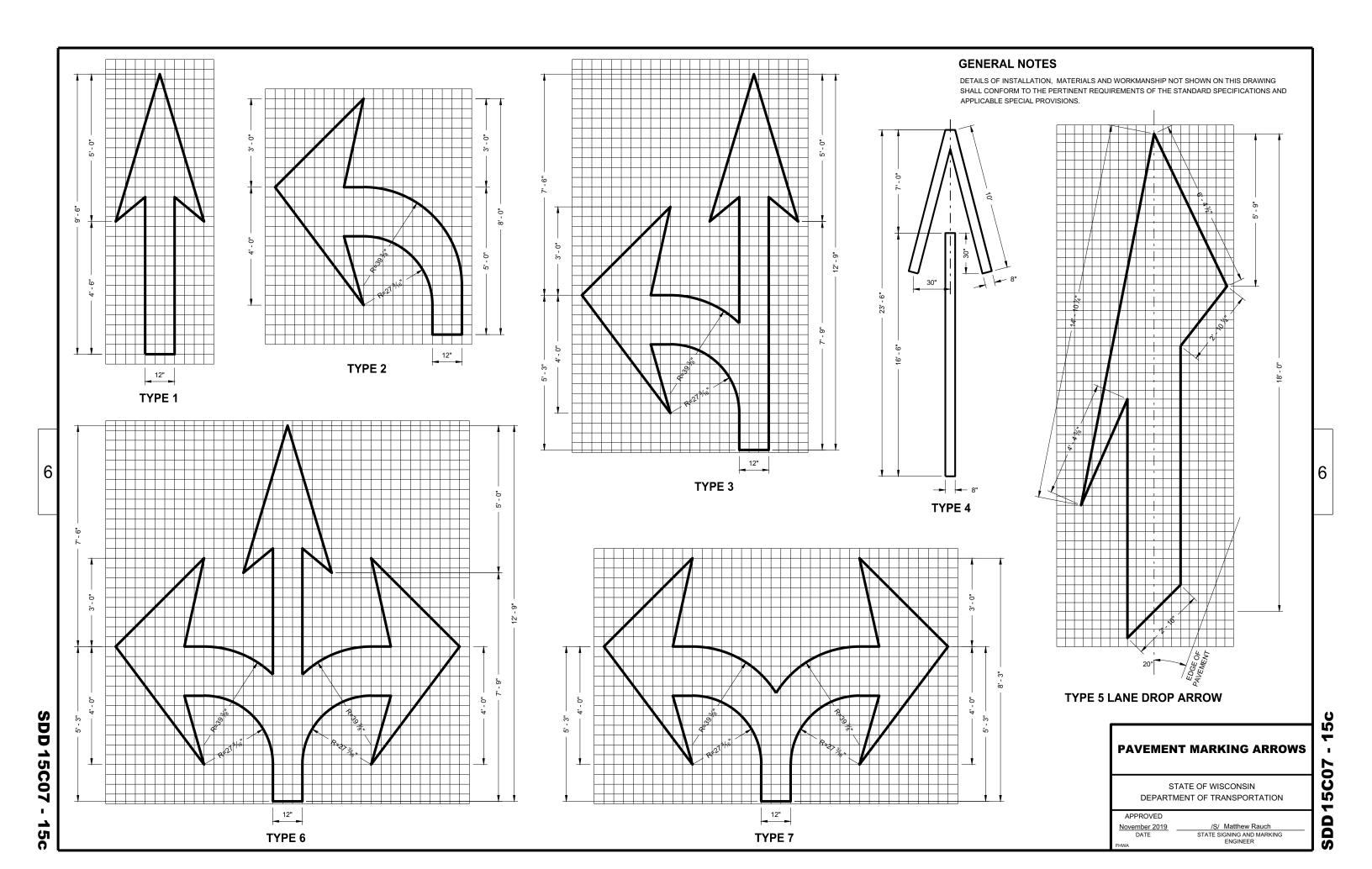
**5**b

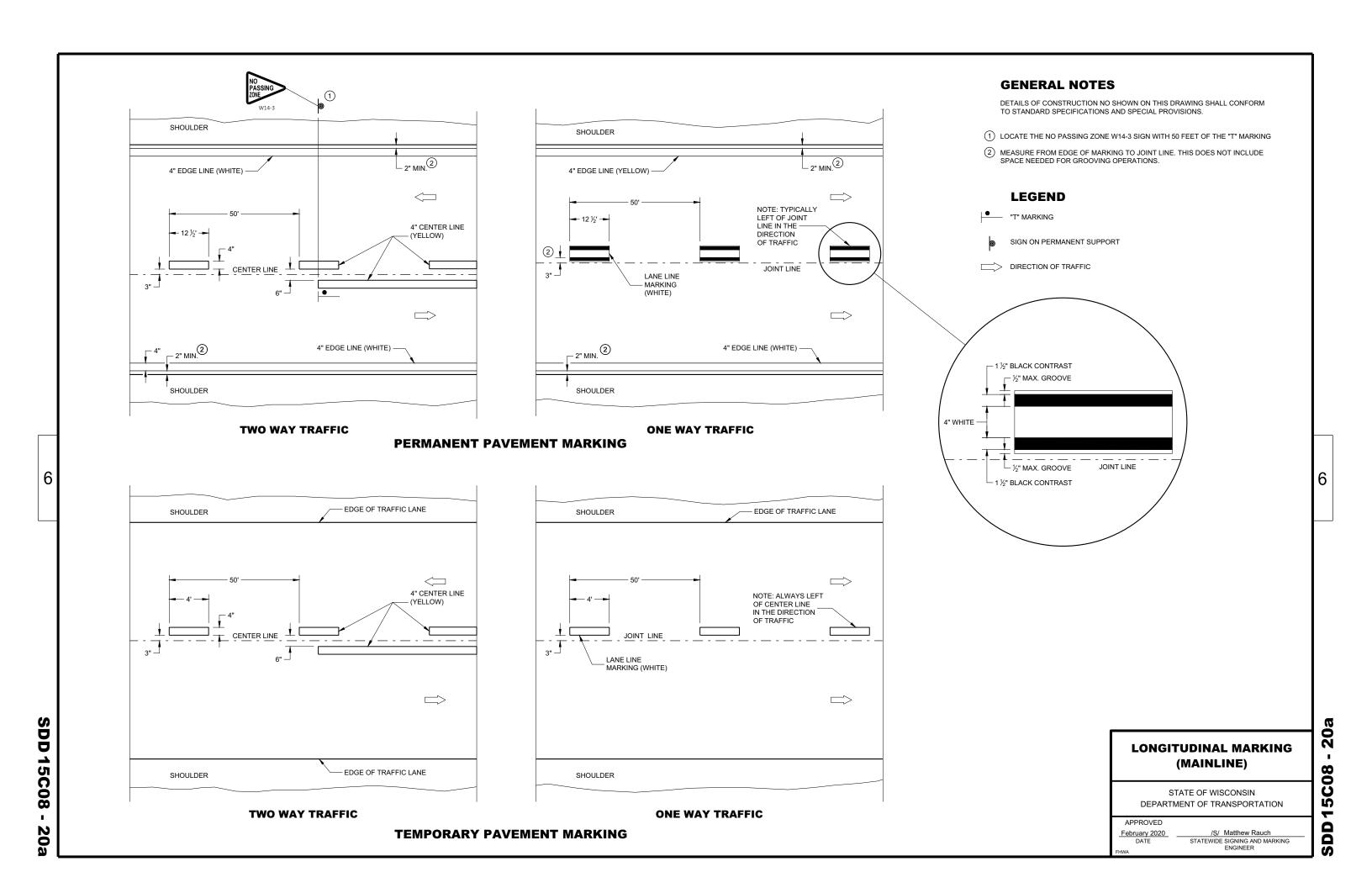
**SDD15C07** 

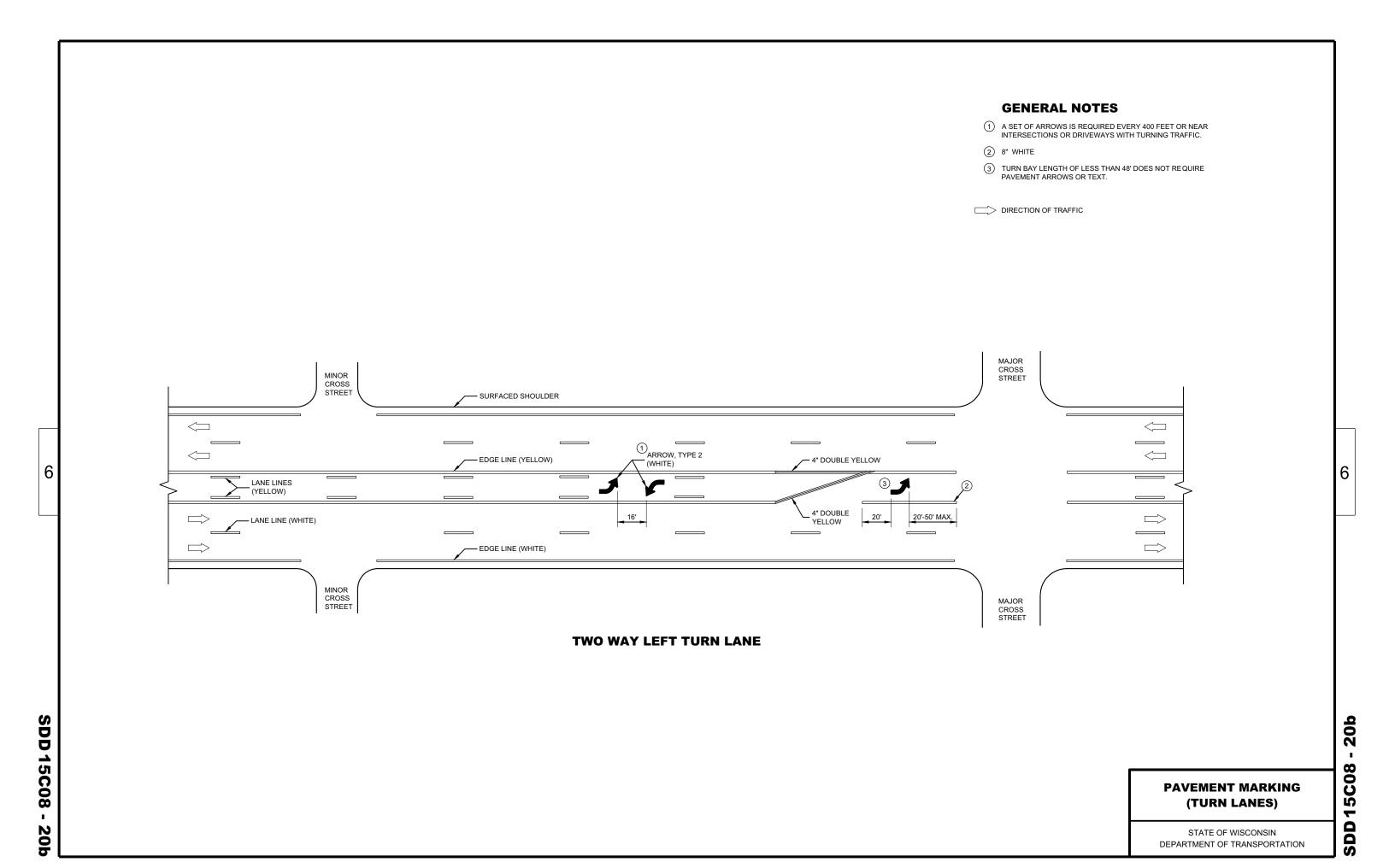
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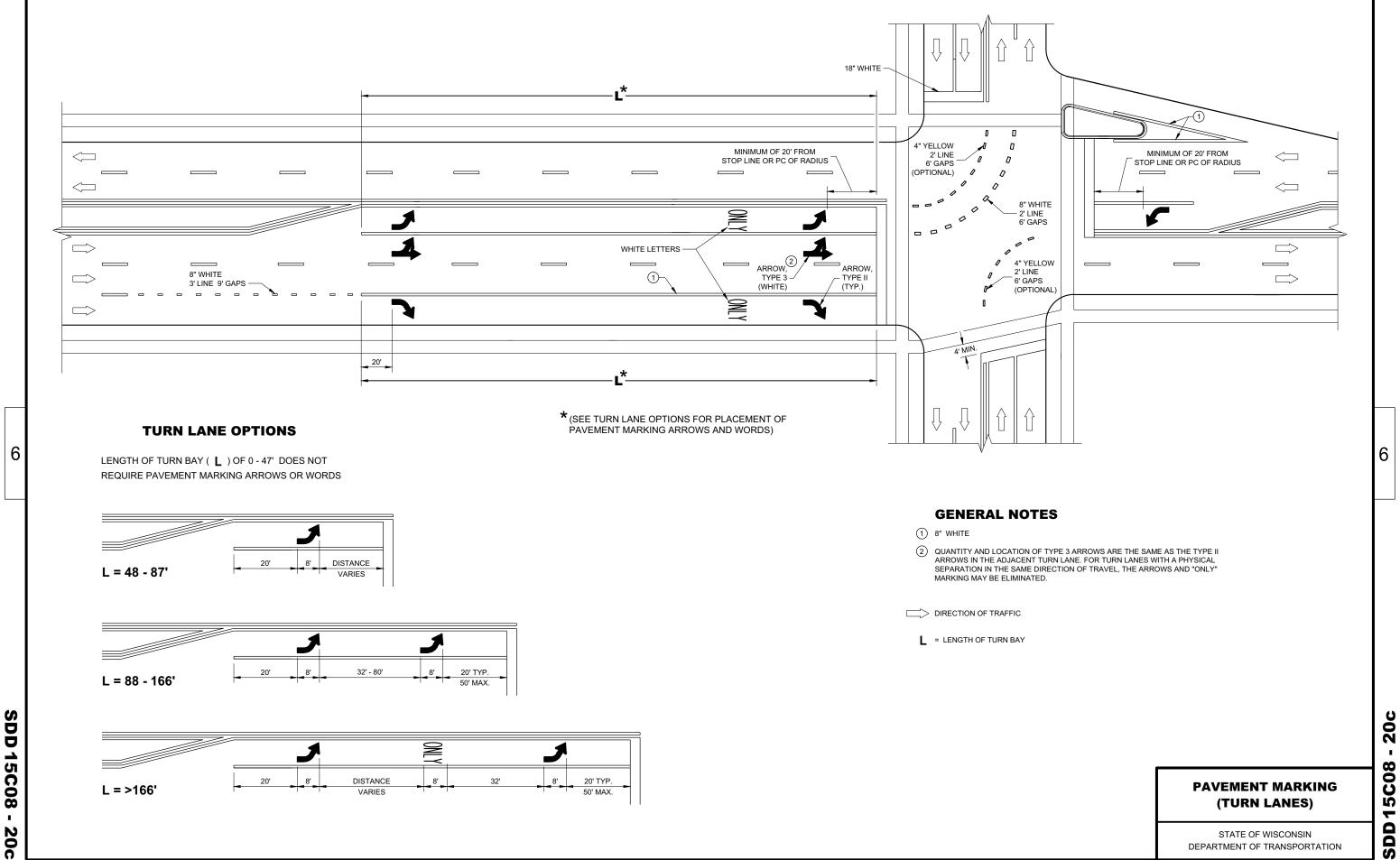
 November 2019
 /S/ Matthew Rauch

 DATE
 STATE SIGNING AND MARKING ENGINEER



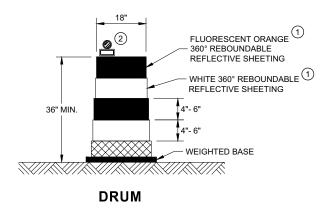


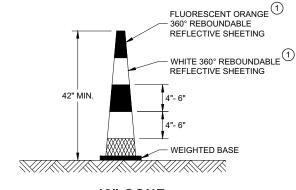




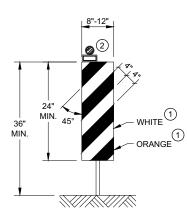
DEPARTMENT OF TRANSPORTATION

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

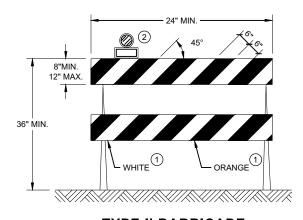




**42" CONE** DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

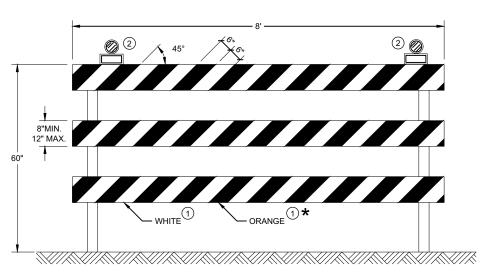


# **VERTICAL PANEL** THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



# **TYPE II BARRICADE**

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



## **TYPE III BARRICADE**

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

\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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

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SDD

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

RUMBLE

STRIPS

ROAD

WORK

### **GENERAL NOTES FLAGGING LEGEND** DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH SIGN ON PORTABLE OR STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON PERMANENT SUPPORT PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. UNIFORM TRAFFIC CONTROL DEVICES. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER. FLAGGER, EQUIPPED WITH STOP/SLOW EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S PADDLE FASTENED ON SUPPORT STAFF RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN. ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A" 350' 35-40 MPH STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

# TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

**FLAGGING OPERATION** STATE OF WISCONSIN

2

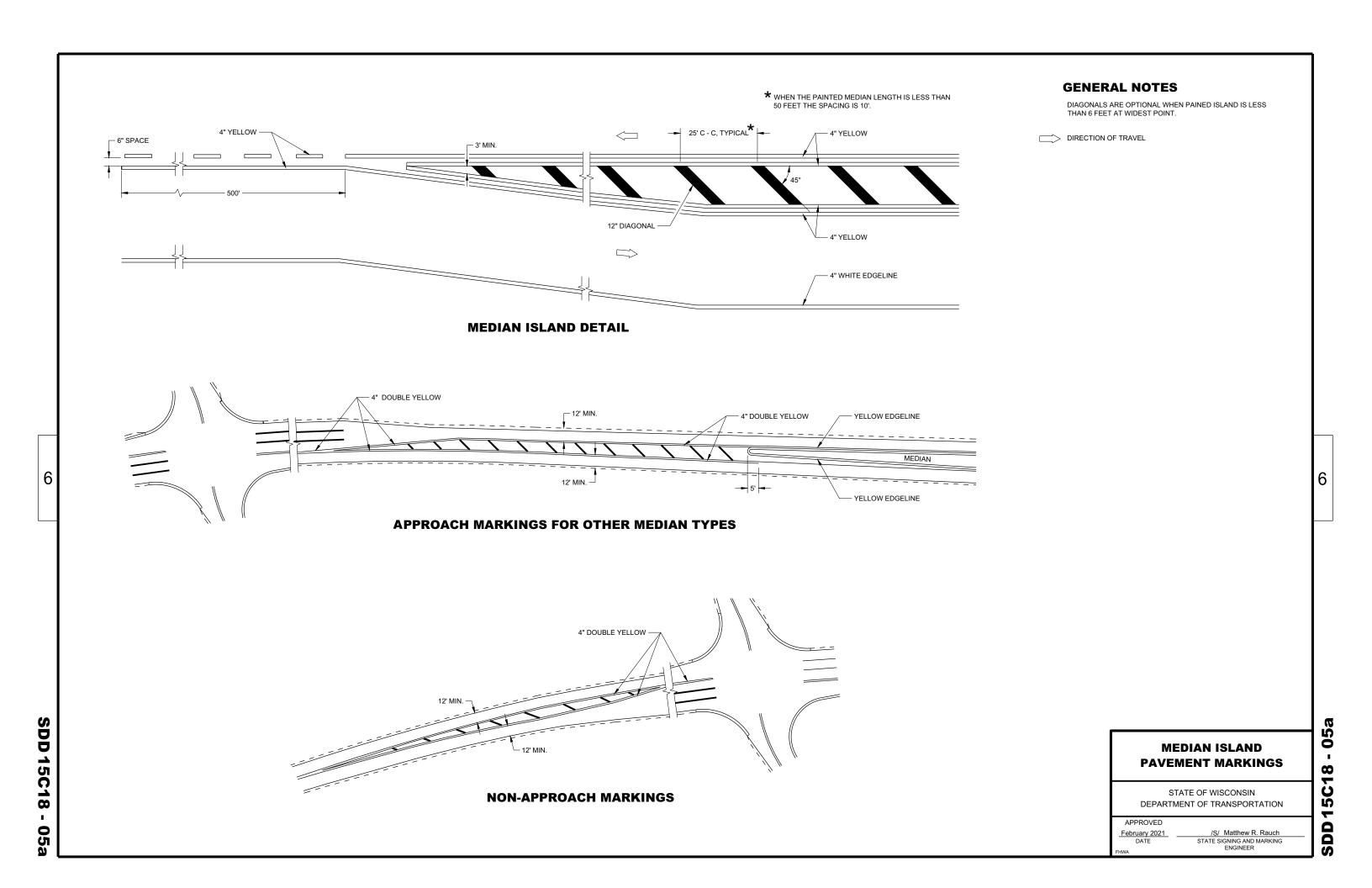
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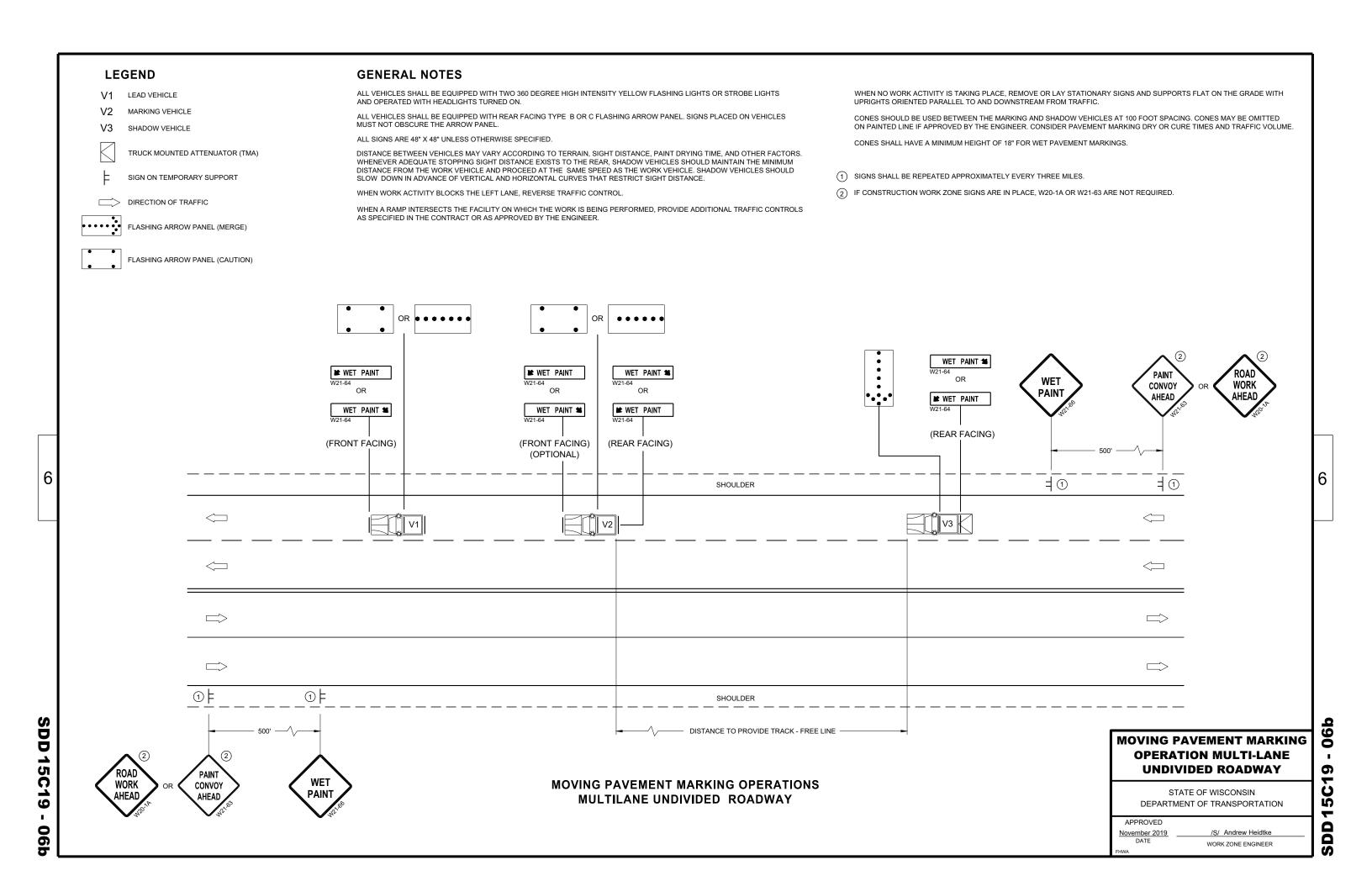
TRAFFIC CONTROL FOR

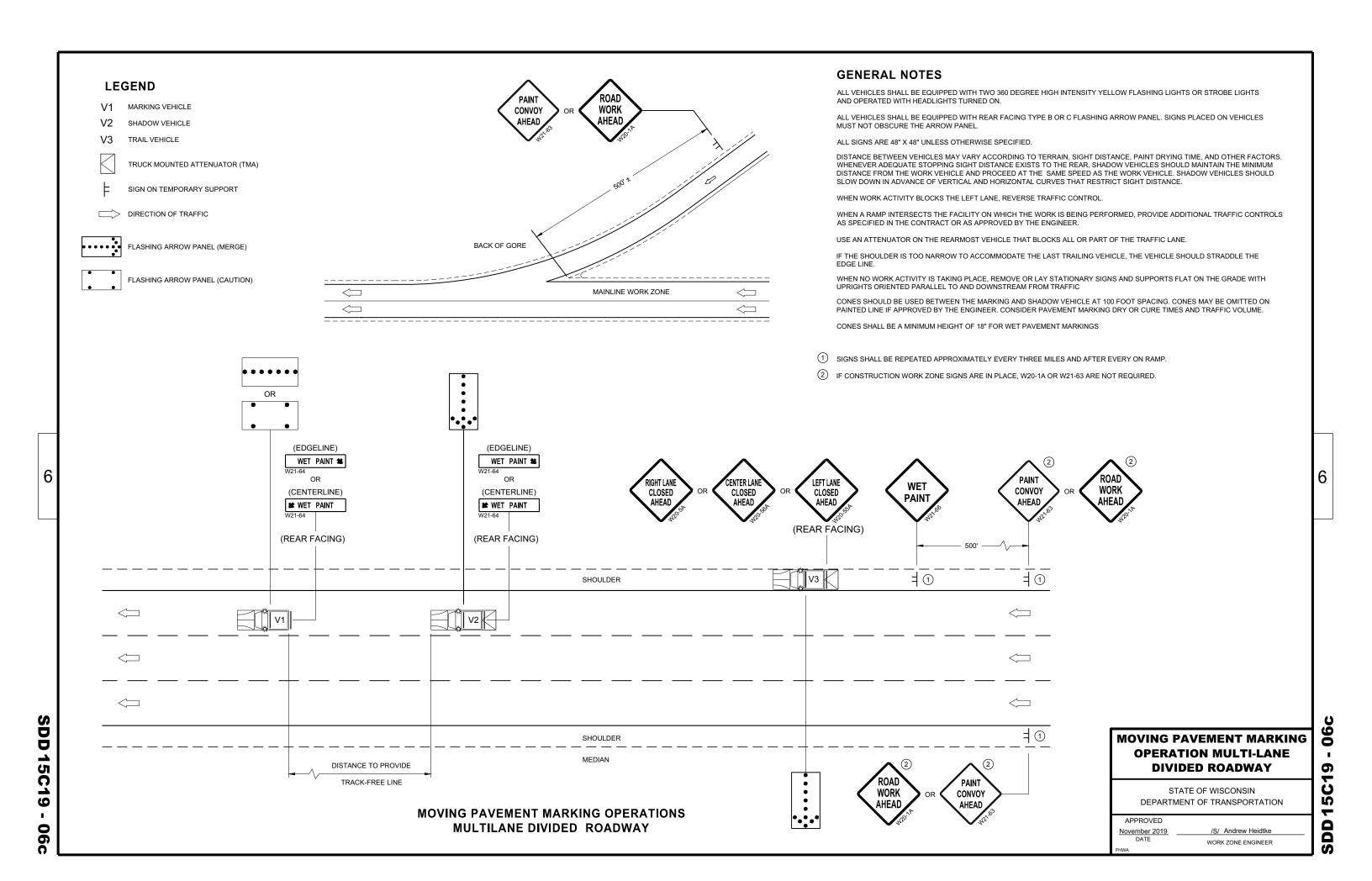
LANE CLOSURE WITH

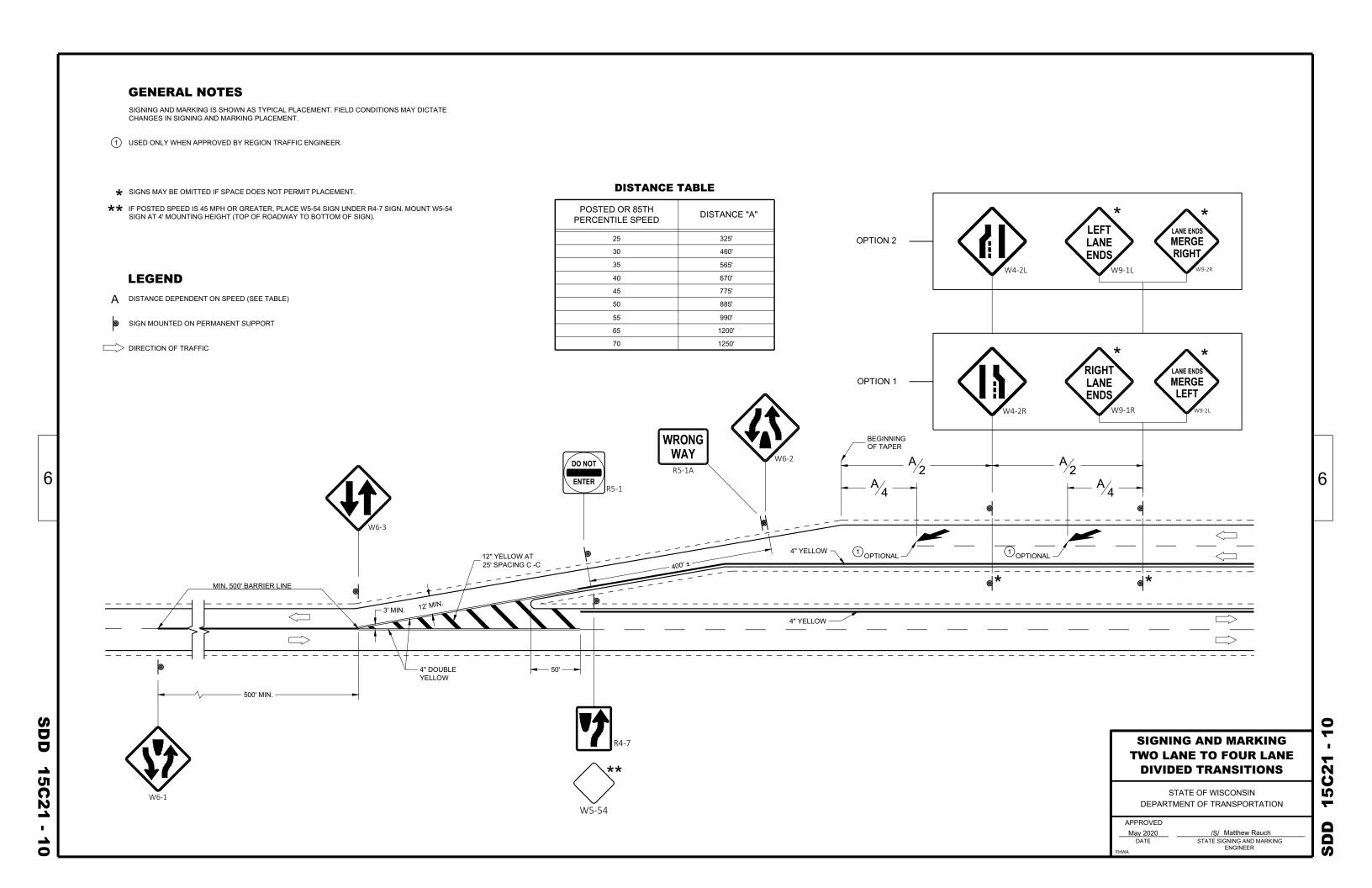
DEPARTMENT OF TRANSPORTATION

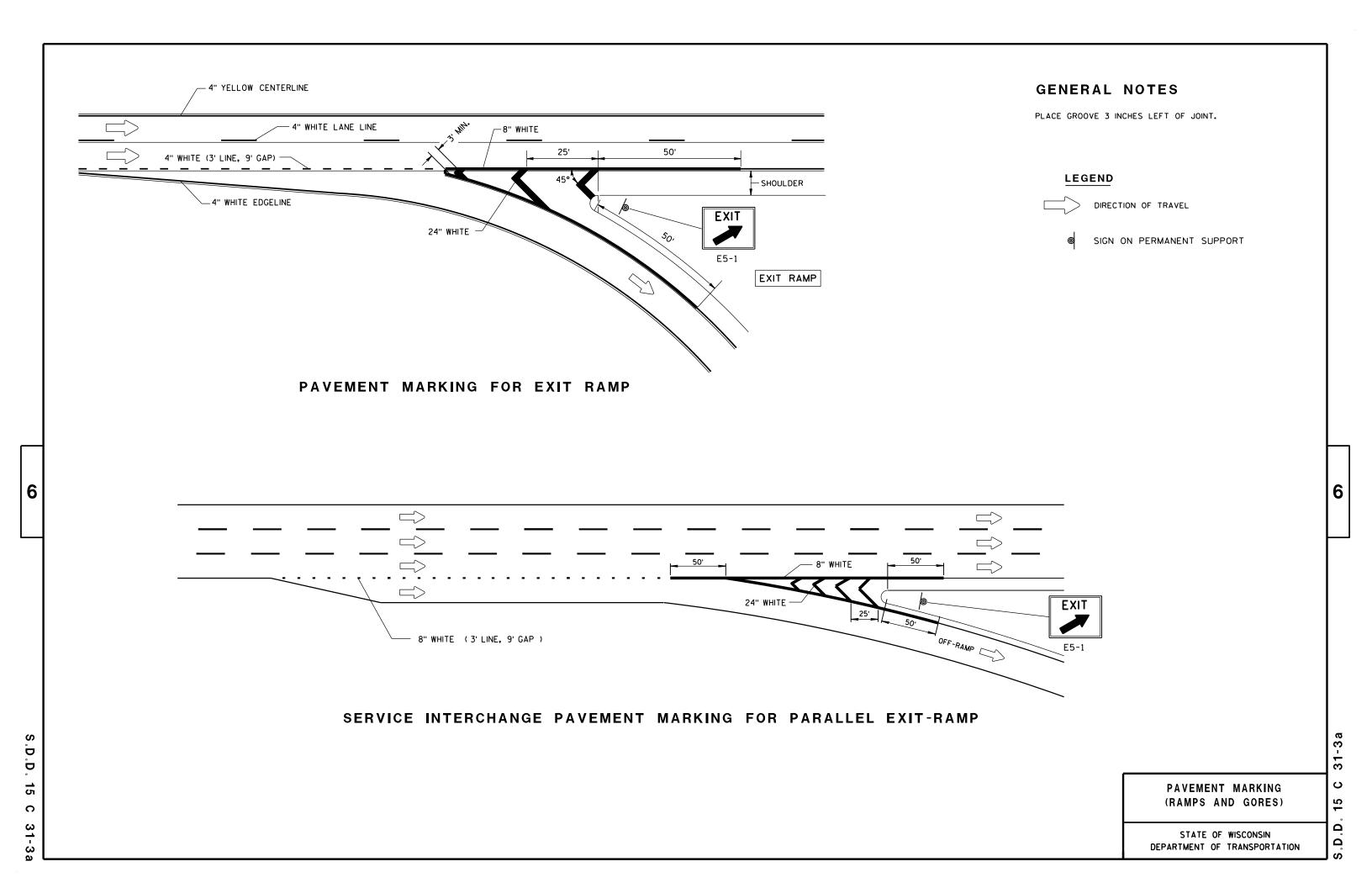
APPROVED May 2019 DATE WORK ZONE ENGINEER

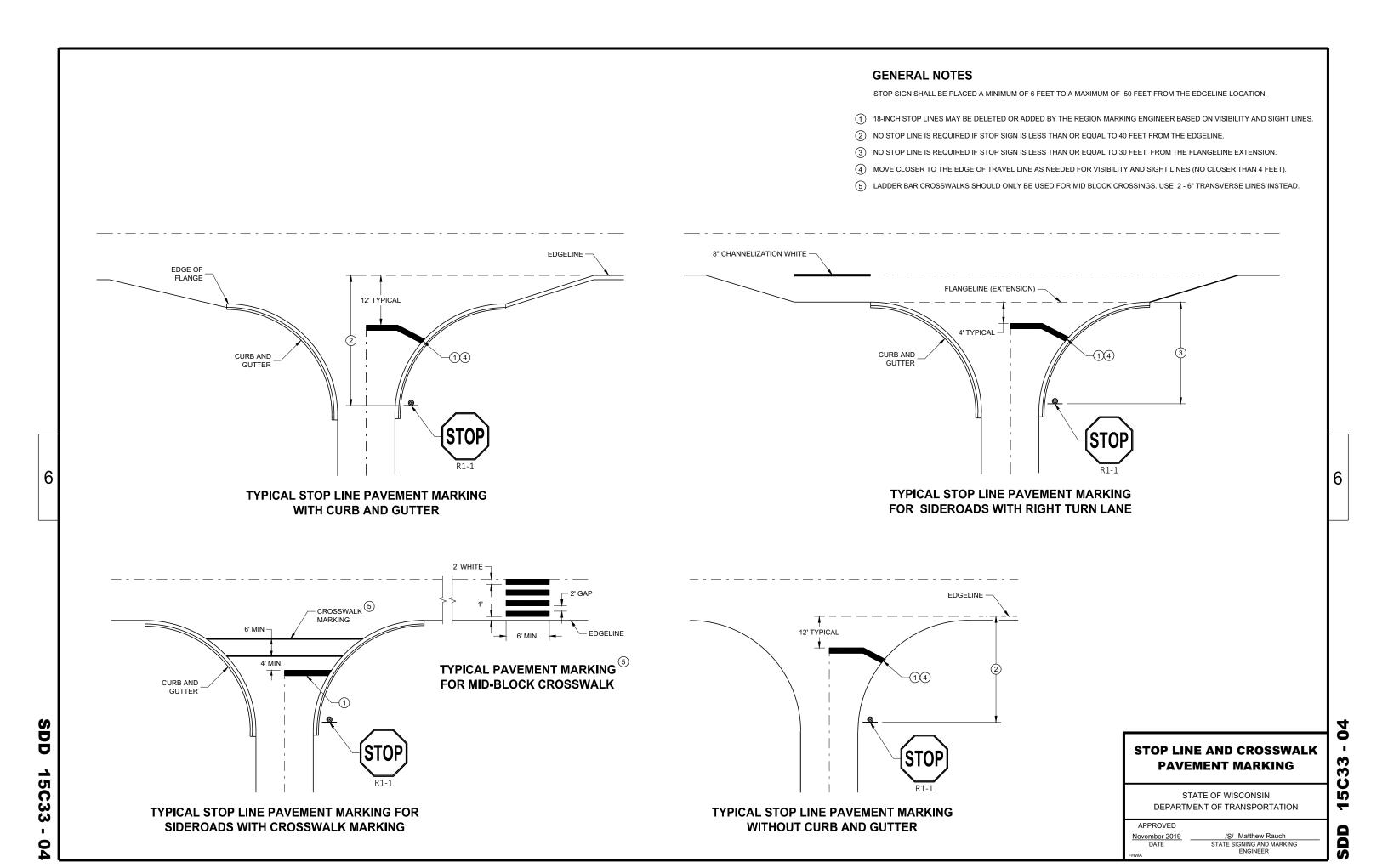


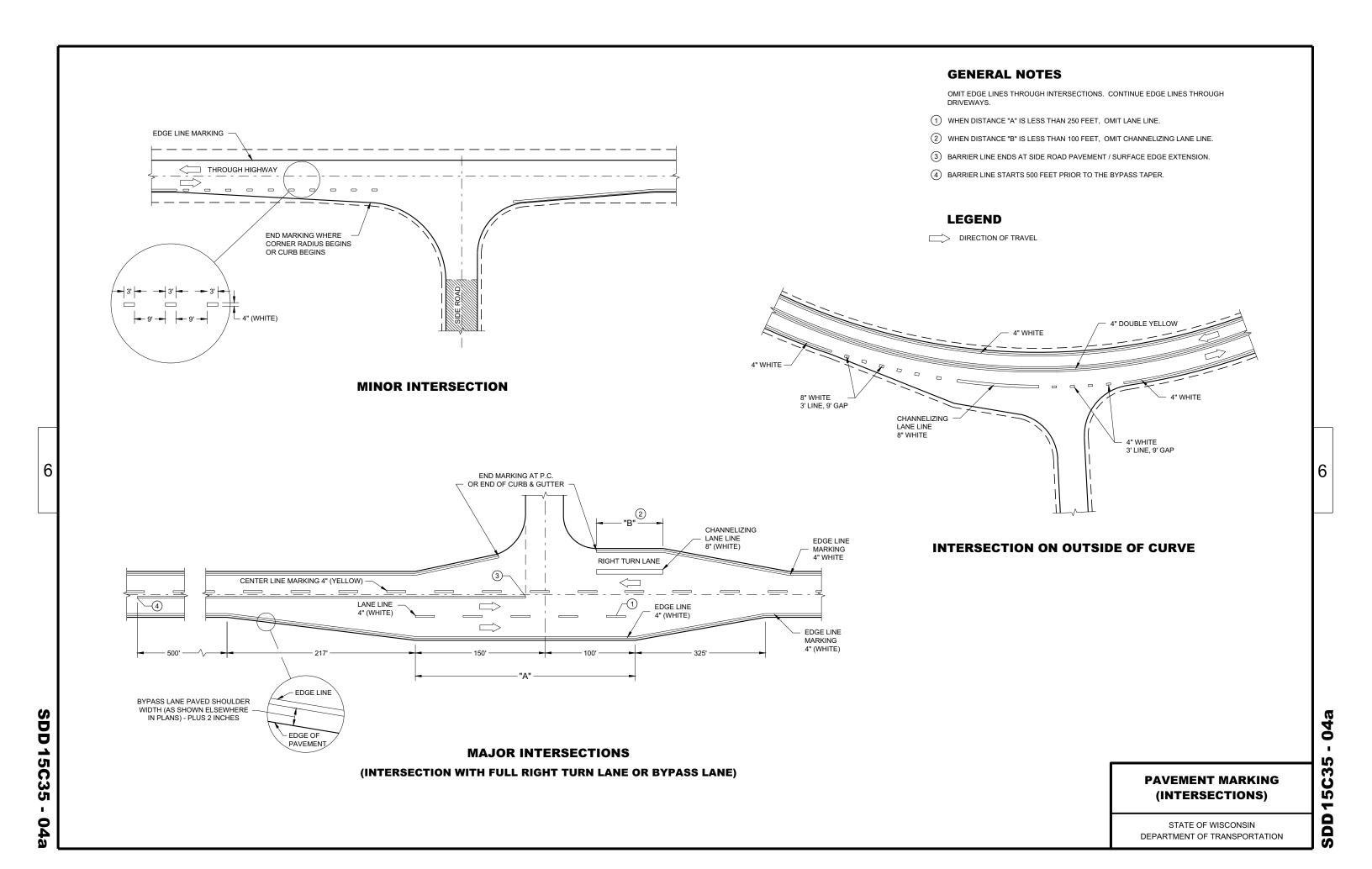


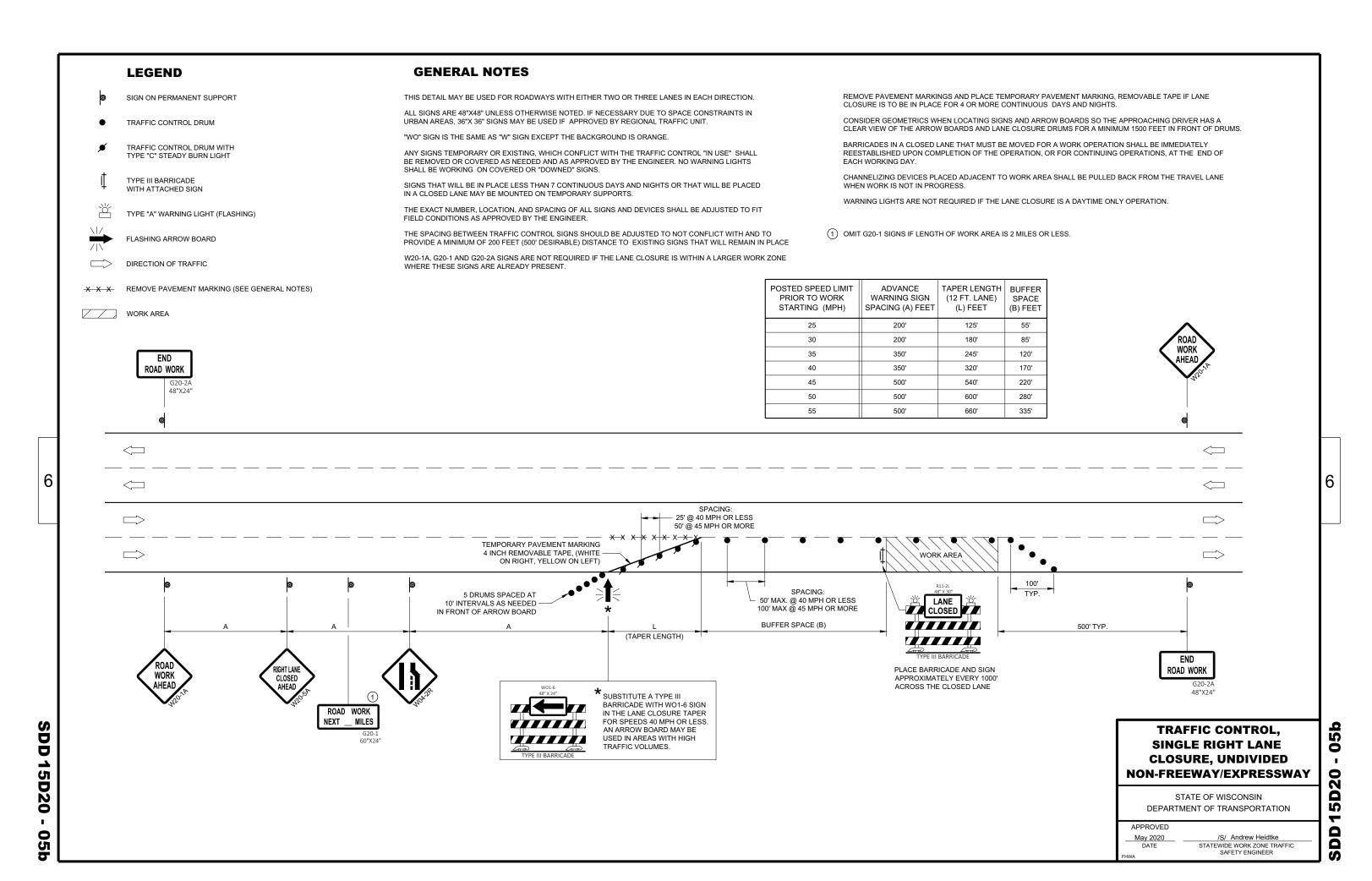


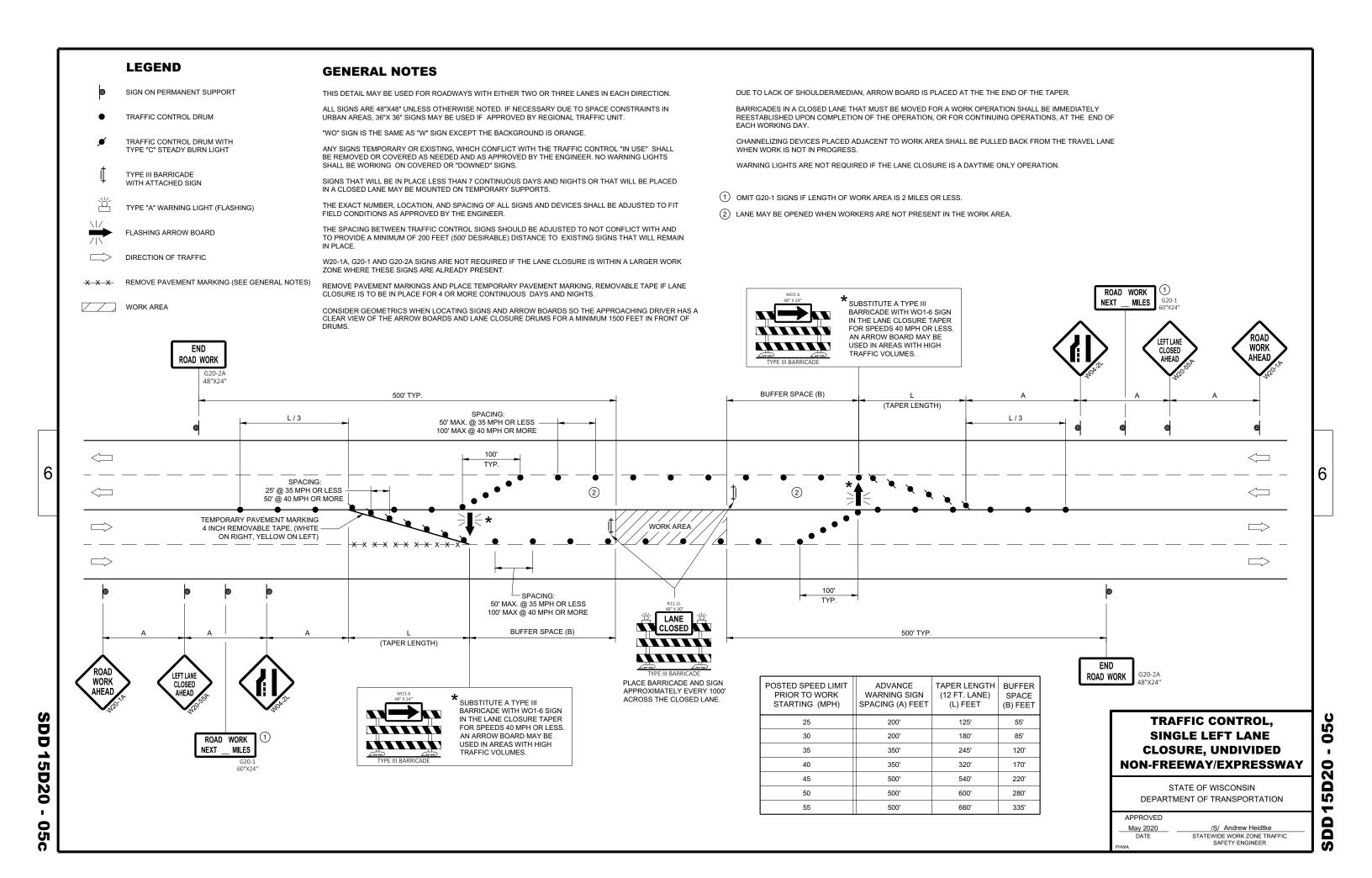


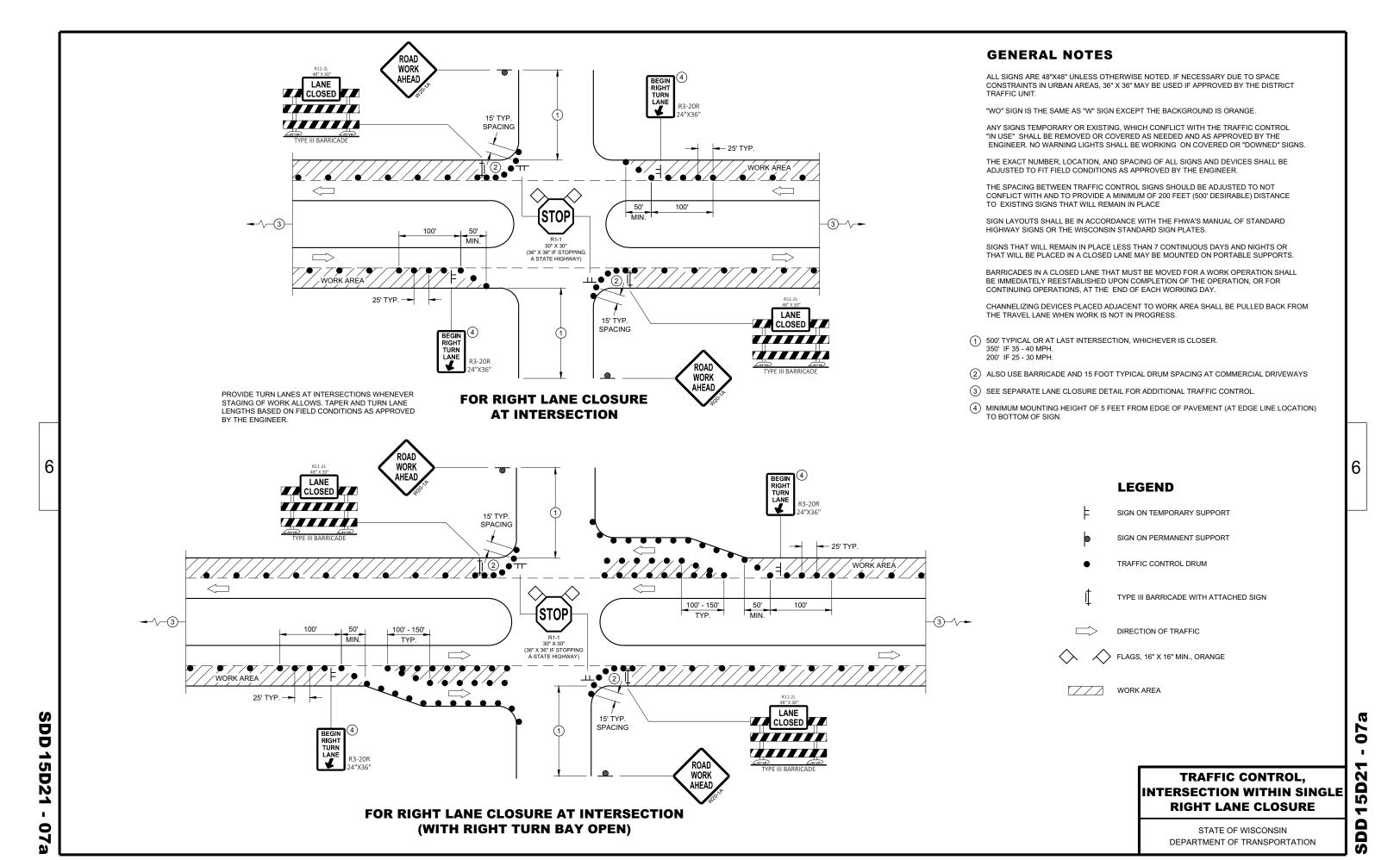


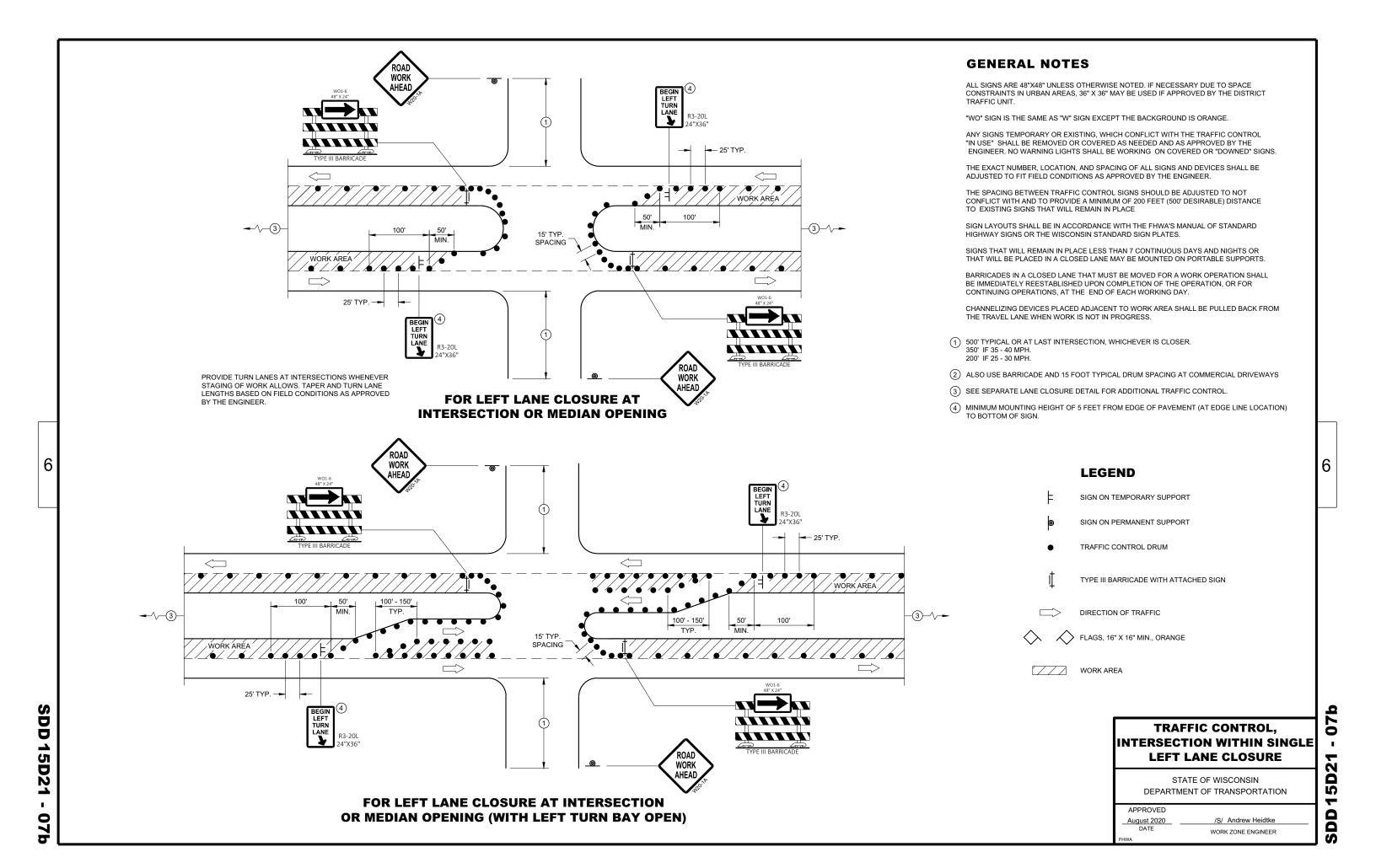


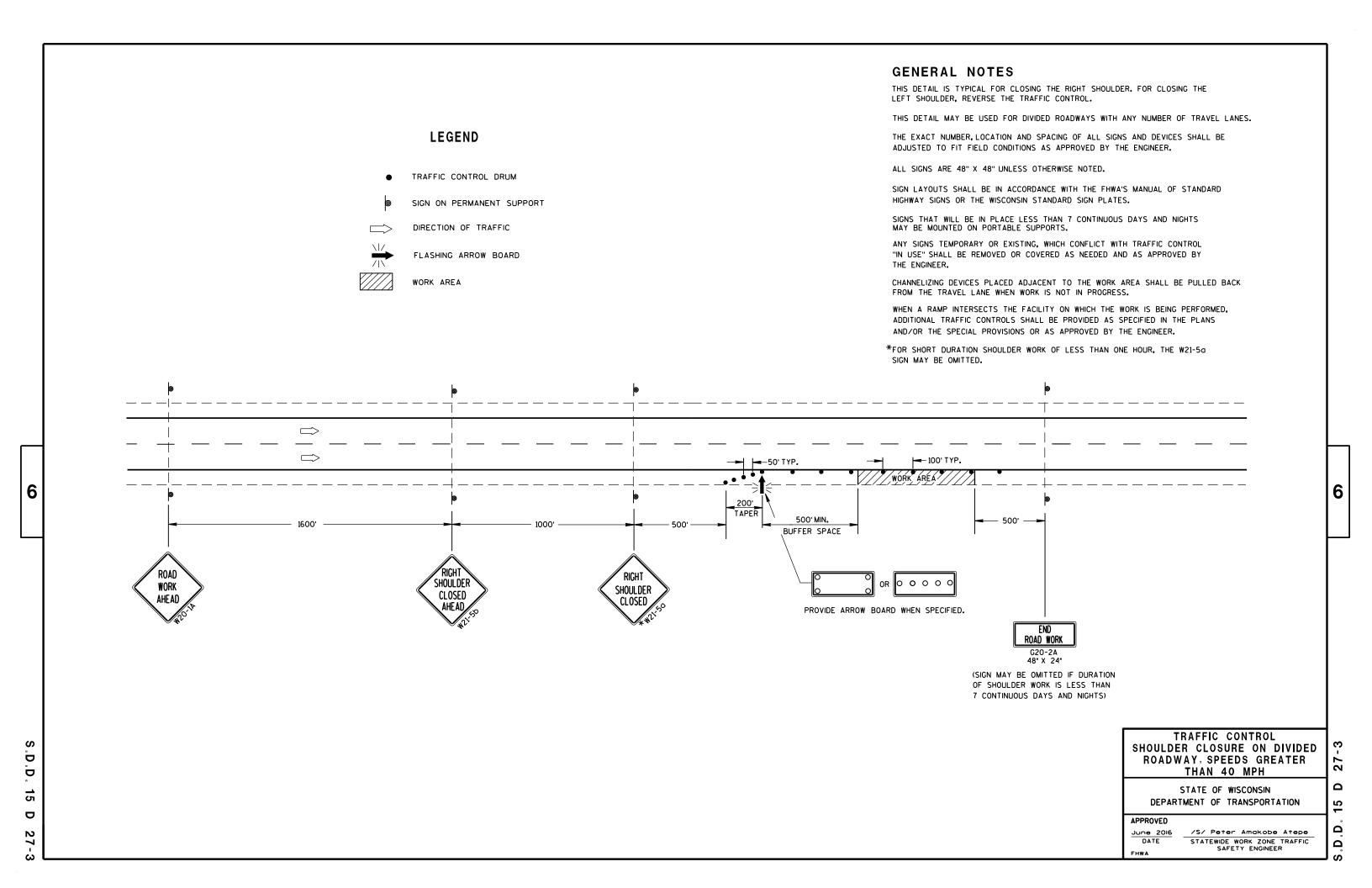


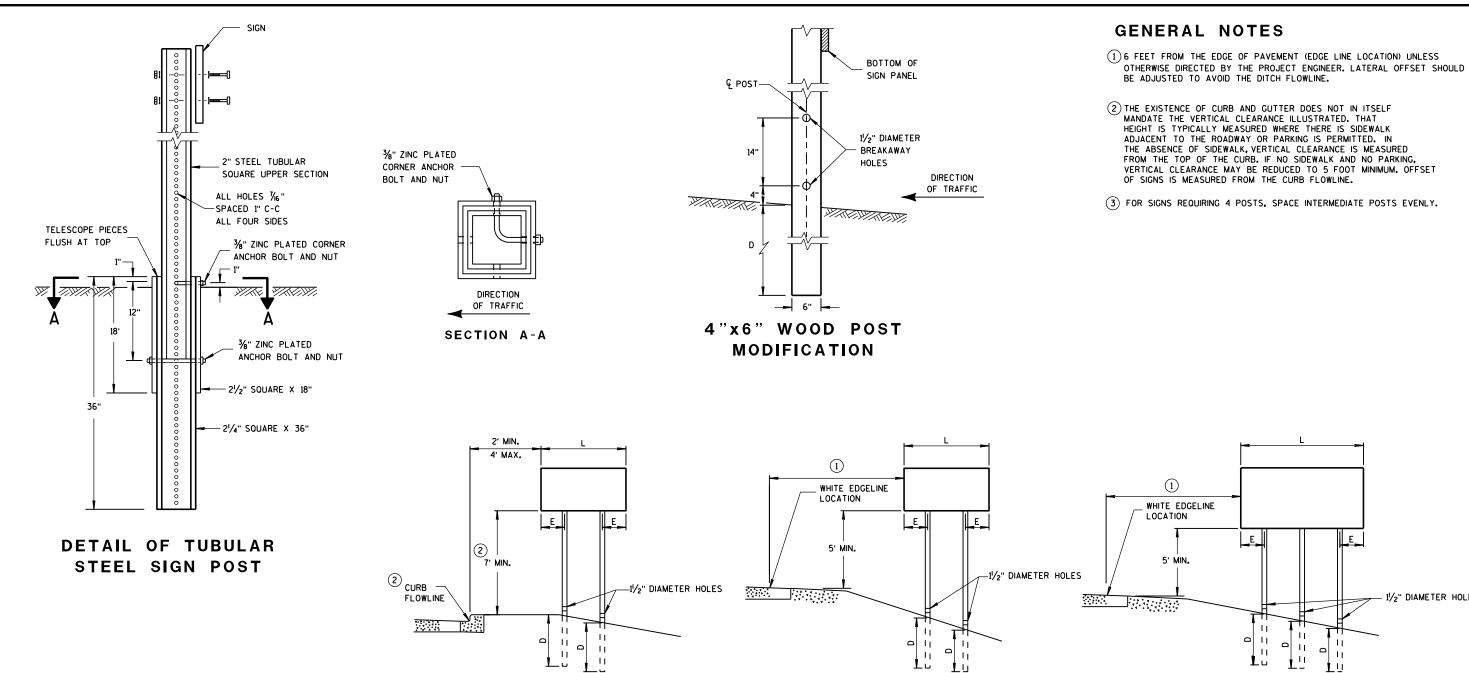












TUBULAR STEEL POSTS

6

D

D

15

D

 $\infty$ 

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

RURAL AREA

# POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

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

4" X 6" WOOD POST

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

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

6

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- 11/2" DIAMETER HOLES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

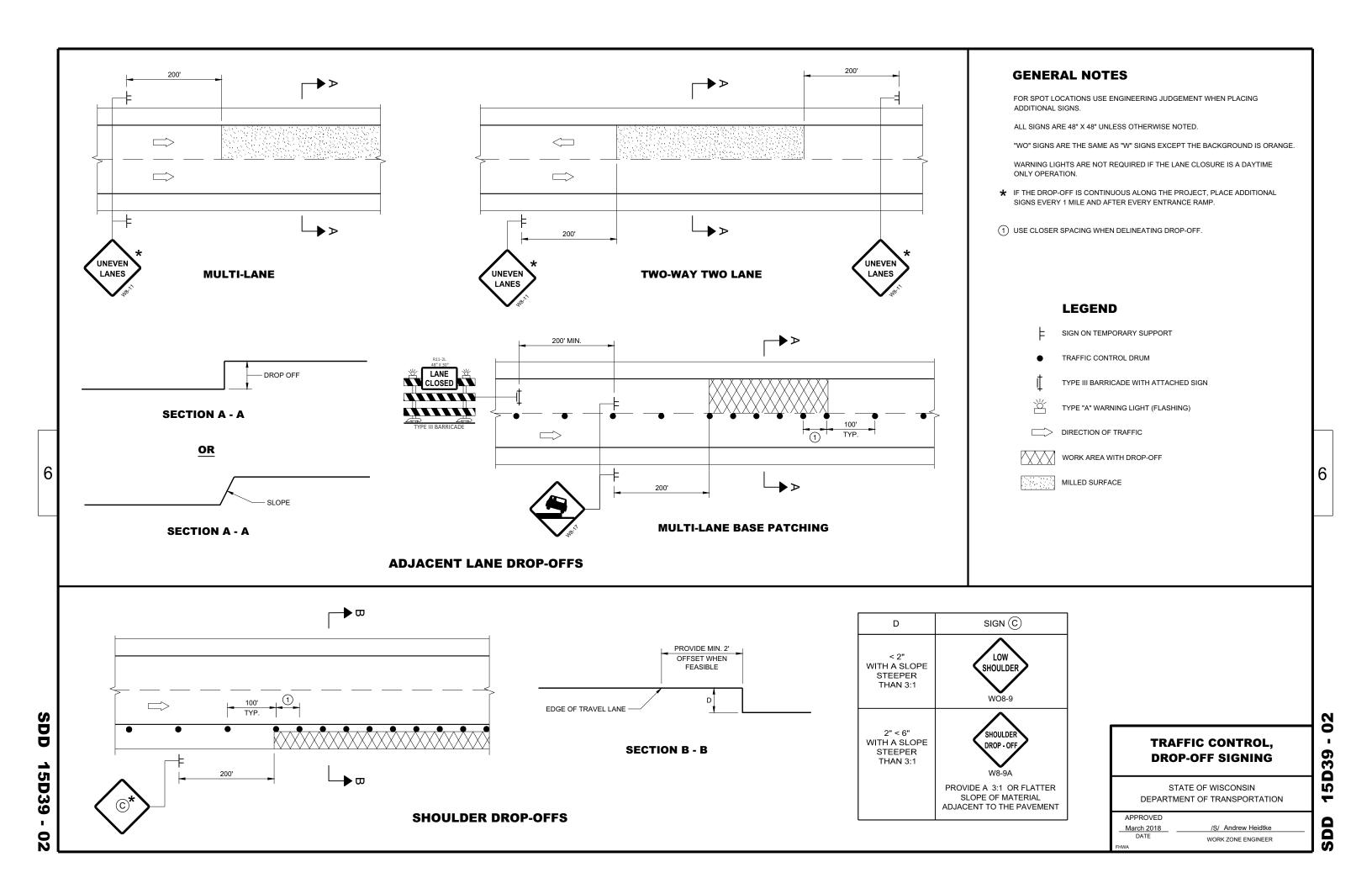
S

DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017 DATE



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<u>1</u>

/S/ Andrew Heidtke

WORK ZONE ENGINEER

February 2021 DATE

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

WORK AREA

REMOVE PAVEMENT MARKING

## **GENERAL NOTES**

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

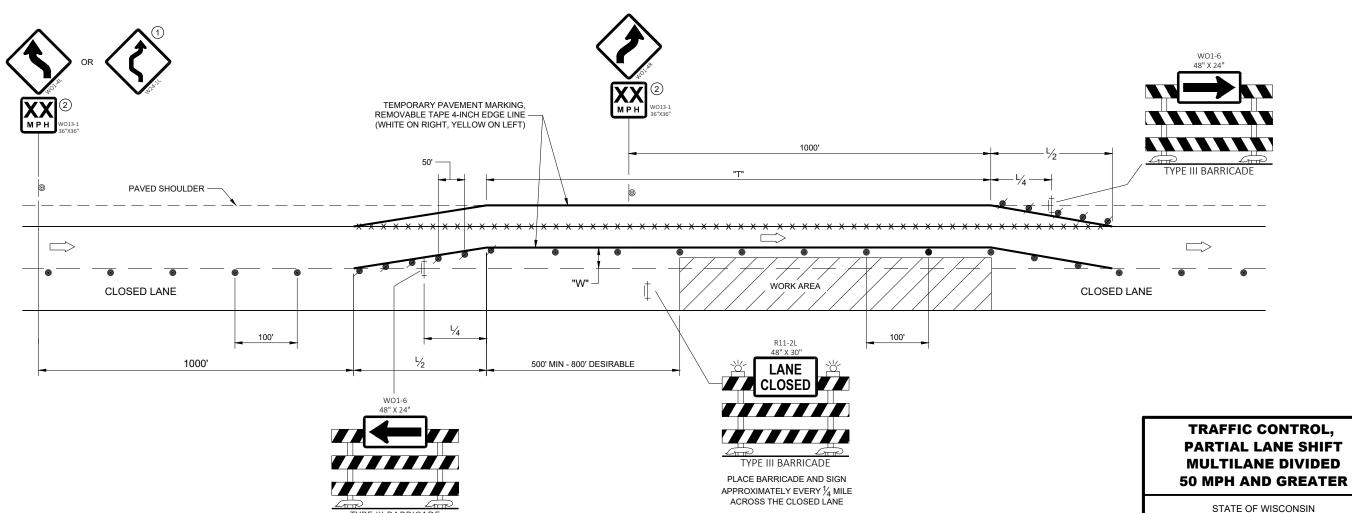
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS. NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE. RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL. CHANGE SUCH AS A CROSSOVER MANEUVER.

- 1) USE ONLY WHEN T<600', OMIT WO1-4R.
- (2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK	SHIFTING TAPER $\frac{L}{2}$ W, LATERAL OFFSET (FT)								
STARTING (MPH)	1	2	3	4	5	6	7	8	9
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315



**SDD 15D40** 

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<u>1</u>

DEPARTMENT OF TRANSPORTATION

APPROVED February 2021 DATE

ROADWAY STANDARDS DEVELOPMENT ENGINEER

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

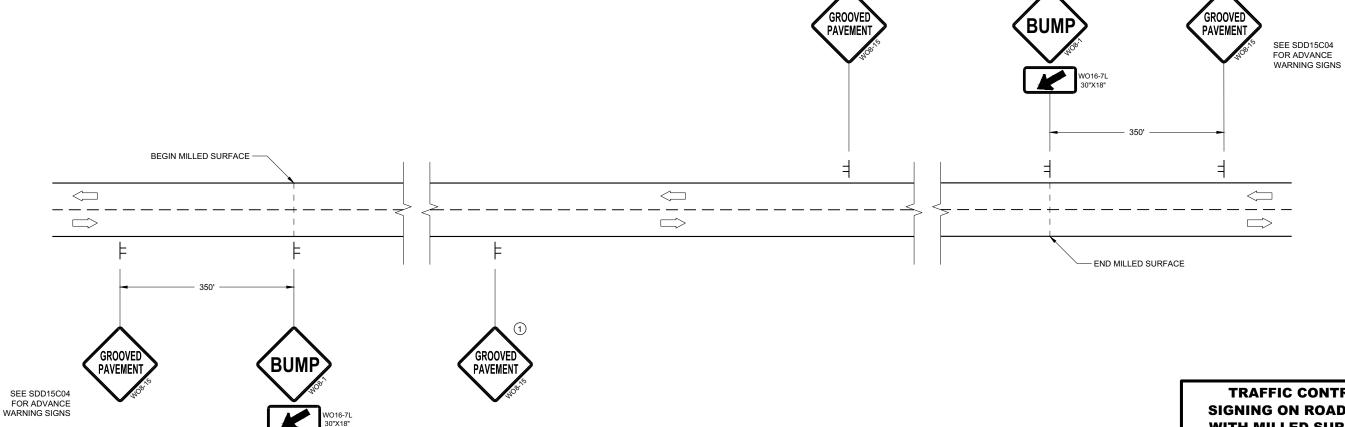
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

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

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

DIRECTION OF TRAFFIC



## **DETAIL FOR SIGNING ON MILLED SURFACES**

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

 $\perp \!\!\! \perp$ 

**TYPICAL SIDE ROAD APPROACH SIGN DETAIL** 

**PAVEMENT** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

Ò S TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

▼ TRAFFIC CONTROL DRUM

▼ TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

WORK AREA

GENERAL NO	OTES
------------	------

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

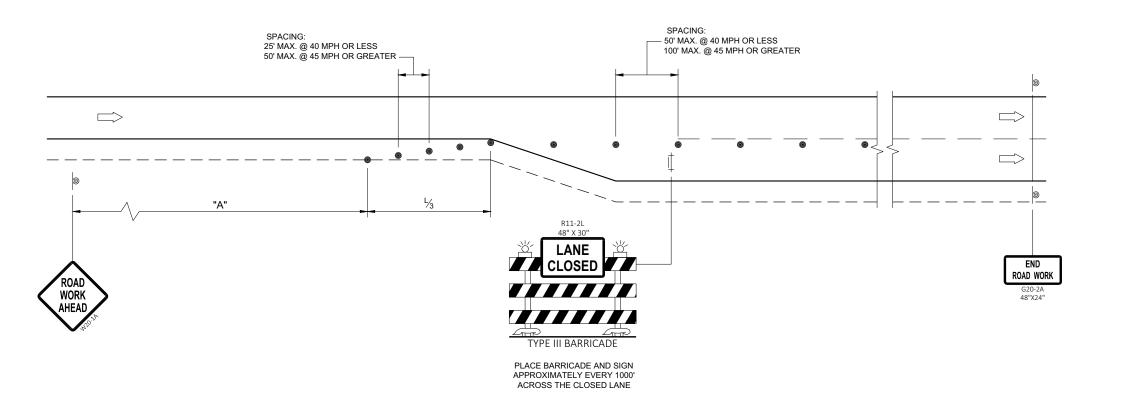
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



SHIFTING TAPER 1/2

3 4 5 6 7 8

10 | 14 | 17 | 21 | 24 | 28

15 20 25 30 35 40

20 27 34 40 47 54

45 | 59 | 74 | 89 | 104 | 119

 50
 66
 83
 99
 116
 132

 54
 73
 91
 109
 127
 145

35 | 44 | 53 | 62 | 70

WARNING SIGN W, LATERAL OFFSET (FT)

POSTED SPEED LIMIT

PRIOR TO WORK

STARTING (MPH)

25

30

35

40

45

50

55

ADVANCE

SPACING (A) FEET

200

350

350

500

500

## **ADDED LANE CLOSURE WITHOUT LANE SHIFT**

# TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT

0

0

**5D**5

S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

| February 2021 | /S/ Andrew Heidtke | DATE | WORK ZONE ENGINEER

HWA

SDD 15D50 - 01a

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

R11-2L

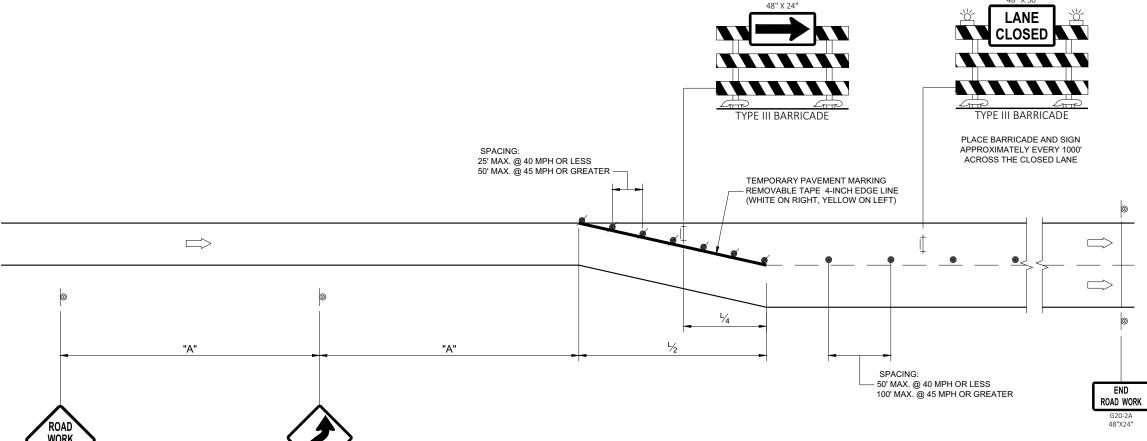
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR FOUR CONTINUOUS DAYS AND NIGHTS.



SHIFTING TAPER

(L/2) FEET

60

90

120

160

270

300

330

WARNING SIGN

SPACING (A) FEET

200

350

350

500

500

30

35

40

45

50

55

## **ADDED LANE CLOSURE WITH LANE SHIFT**

# February 2021 **ADDED LANE CLOSURE WITH LANE SHIFT**

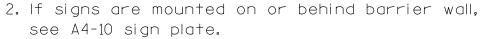
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

00-00-00 DATE

/S/ Andrew Heidtke

**SDD 15D50** 0

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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

WISDOT/CADDS SHEET 42

- 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 DIAMOND (TWO POSTS REQUIRED)		
	L	E	
***	Greater than 48" Less than 60"	12"	
	60" to 108"	L/5	

HWY:

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)				
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

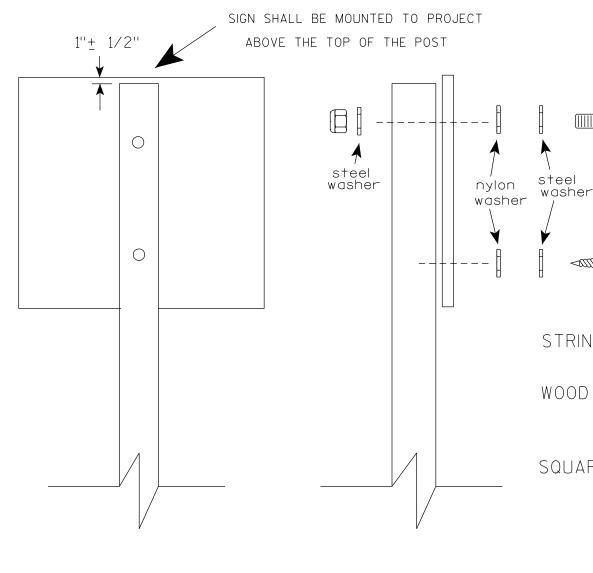
WISDOT/CADDS SHEET 42

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



FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A49.DGN

HWY:

PROJECT NO:

PLOT DATE: 05-FEB-2015 17:09

COUNTY:

PLOT NAME :

PLOT BY: mscsja

WISDOT/CADDS SHEET 42

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

For State Traffic Engineer

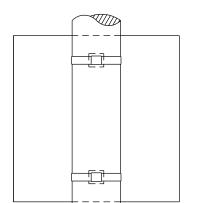
SHEET NO:

PLOT SCALE: 13.659812:1.000000

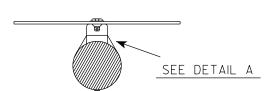
DATE 2/05/15

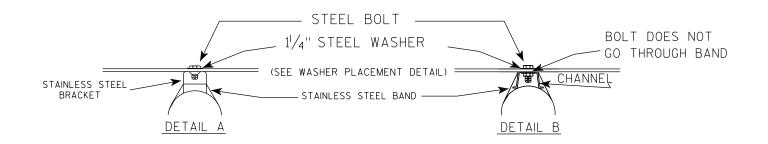


# BANDING

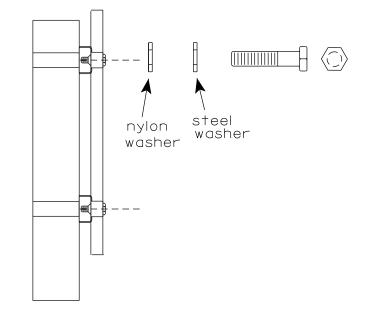


SINGLE SIGN





# WASHER PLACEMENT



HWY:

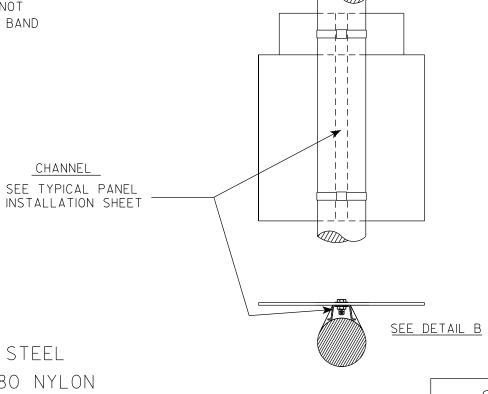
WASHERS (ALL POSTS) -

1-1/4" O.D. X<sup>3</sup>/<sub>8</sub>" I.D. X<sup>1</sup>/<sub>16</sub>" 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 :

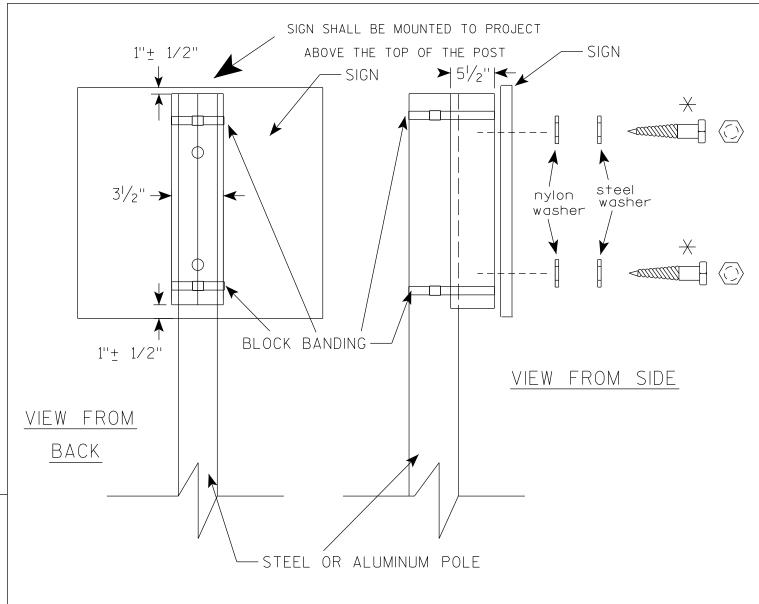
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

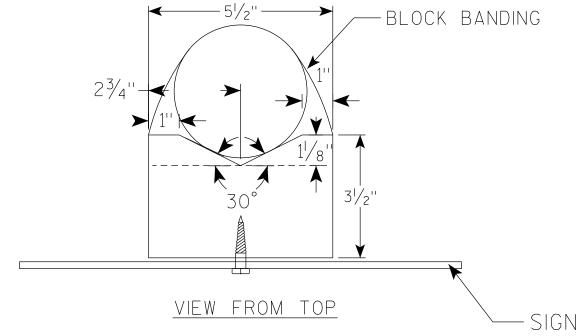
FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A59.dgn

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 F Reflective
- 2. Color:

Background - Orange Message - Black

- 3. Message Series D
- 4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



SIZE	Α	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	Χ	Υ	Z	Area sq.ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 %	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 1/8						32.0
5				·						·	·	·												·			

COUNTY:

STANDARD SIGN G20-57

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

Matther K Rawh
For State Traffic Engineer

DATE 1/22/19

PLATE NO. G20-57.3

Ε

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\_G2057.dgn

HWY:

PROJECT NO:

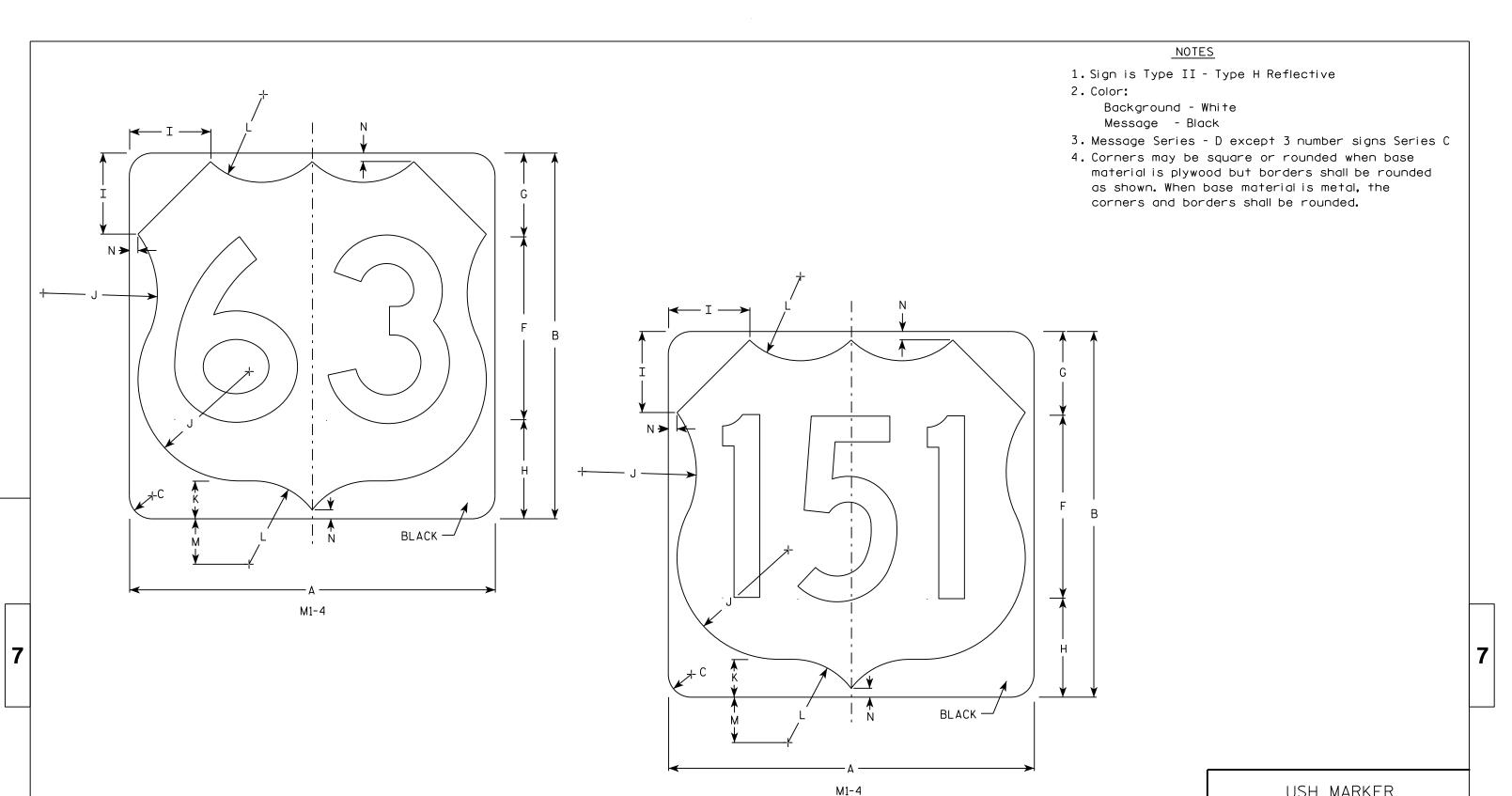
PLOT DATE: 22-JAN-2019 1:46

PLOT BY: mscj9h

PLOT NAME :

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

7



D Ε G Ν Z 2 24 24 | 1 1/2 7 1/2 2 1/2 5 1/2 5 1/2 6 1/2 1/2 4.0 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 36 8 1/4 9 1/4 3/4 9.0 18 36 2 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 9 1/4 9.0 18 8 1/4 8 1/4 9 1/4 7 1/4 11 1/4 3 3/4 8 1/4 4 1/2 3/4 36 36 | 2 1/4 18 9.0

COUNTY:

USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauh

For State Traffic Engineer

DATE 3/16/18

PLATE NO. M1-4.10

SHEET NO:

HWY:

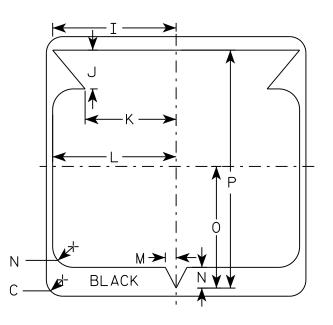
PROJECT NO:

- 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	<b></b>
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:

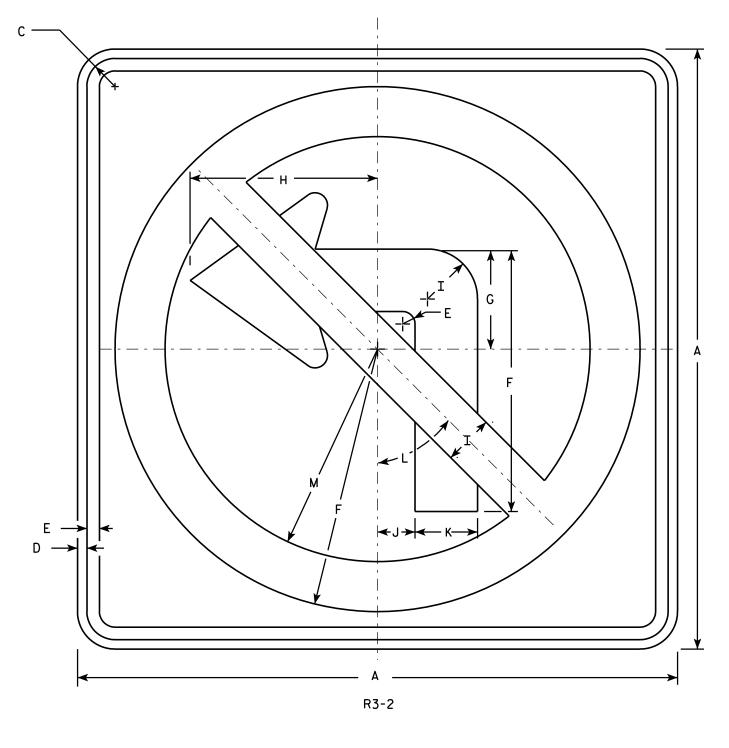
FILE NAME · C·\CAFfiles\Projects\tr stdolote\M31 DCN

PROJECT NO:

PLOT DATE . 01-DEC-2015 17:54

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

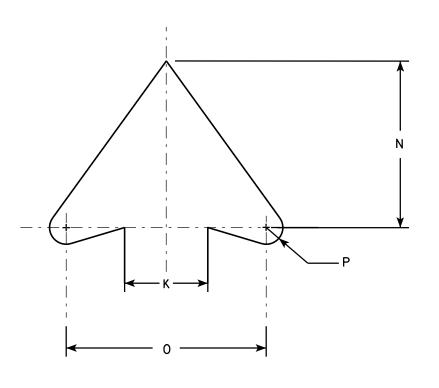
PLOT SCALE . 11 675051.1 000000



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

Background - White Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

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

COUNTY:

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

 $f_{\it or}$  State Traffic Engineer

DATE 12/08/10

PLATE NO. R3-2.10

SHEET NO:

HWY:

PROJECT NO:

PLOT NAME :

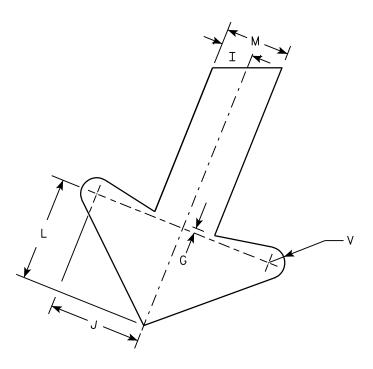
R3-20R

HWY:

- 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
- 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.



ARROW	DETAIL

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
25	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 1/8	2 %	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 %	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 1/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

COUNTY:

STANDARD SIGN R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
Forstate Traffic Engineer

SHEET NO:

DATE 10/18/10

PLATE NO. <u>R3-20R.</u>6

М

Ν

PLOT DATE: 15-OCT-2010 14:59 PLOT BY: do+sja

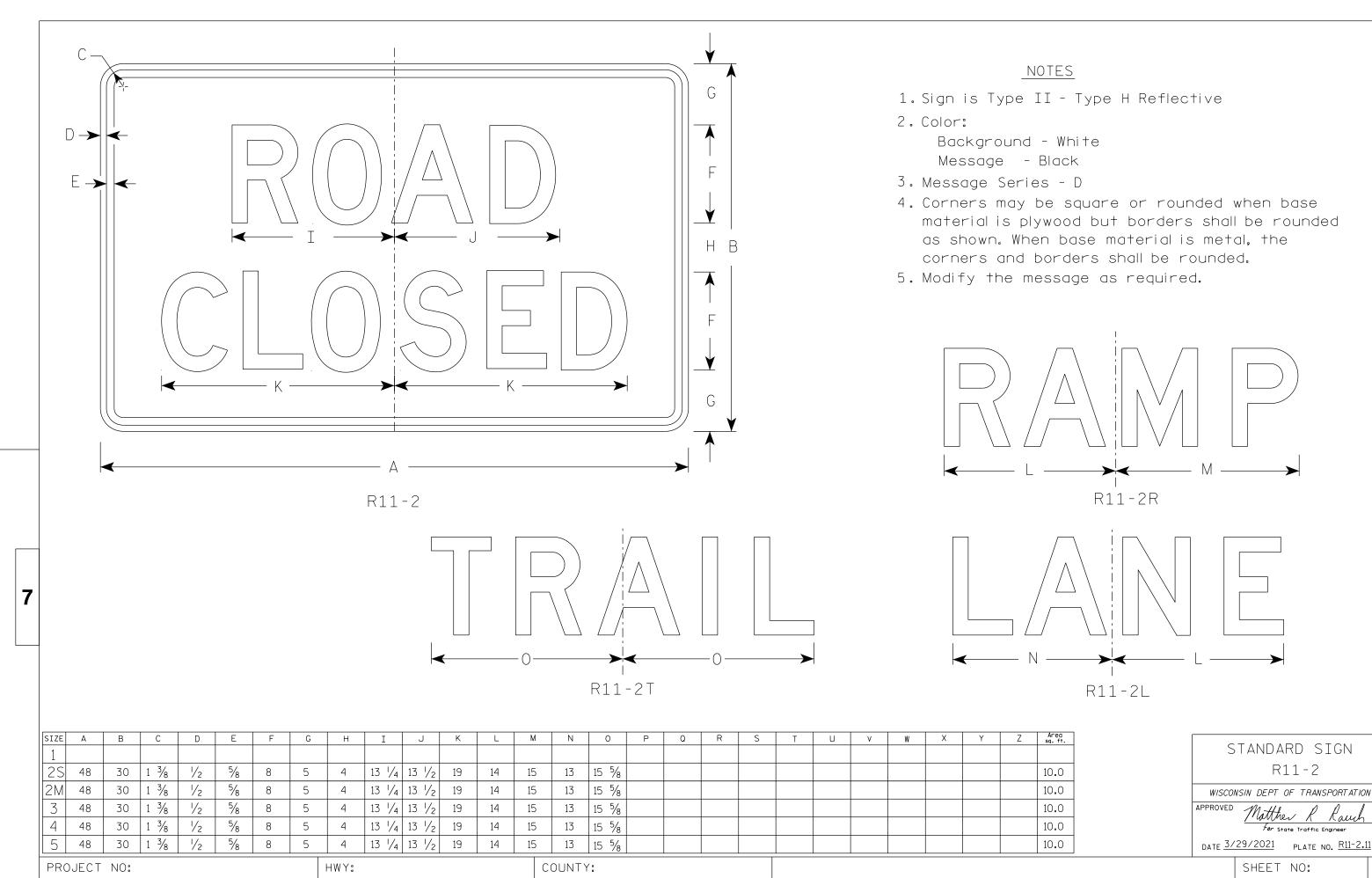
PLOT NAME :

PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R320R.DGN

PROJECT NO:



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R112.dgn

PLOT DATE: 29-MAR 2021 8:15

PLOT BY : dotc4c

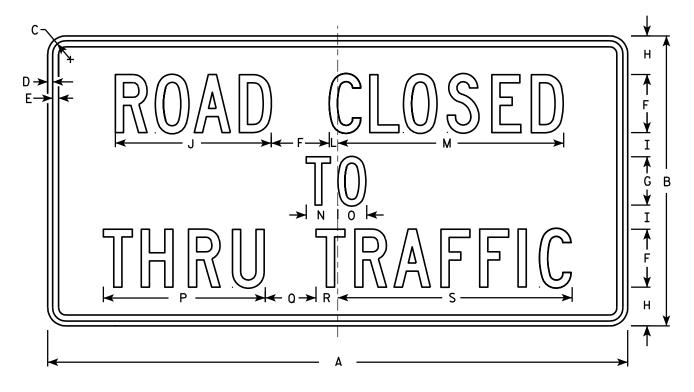
PLOT NAME :

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 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.



R11-4

SIZE	Α	В	С	D	E	F	G	Η	I	J	K	L	М	Z	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		<b>7</b> /8	23 ¾	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7∕8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

COUNTY:

STANDARD SIGN R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

DATE 4/1/11 PLATE NO. R11-4.3

SHEET NO:

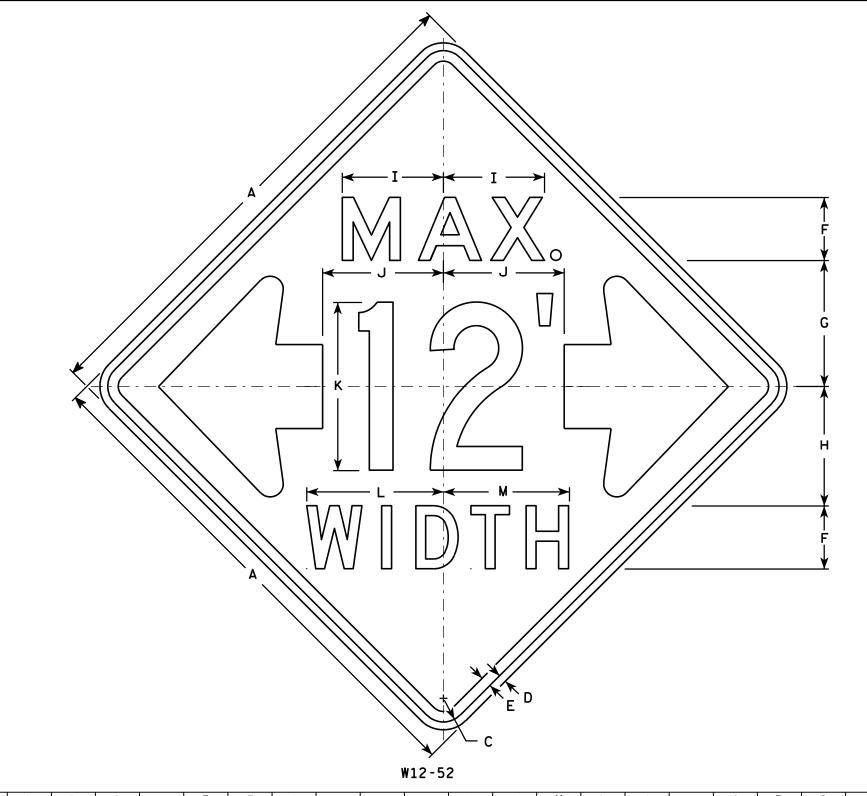
PROJECT NO: FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R114.DGN HWY:

PLOT DATE: 01-APR-2011 14:11

PLOT BY: mscj9h

PLOT NAME :

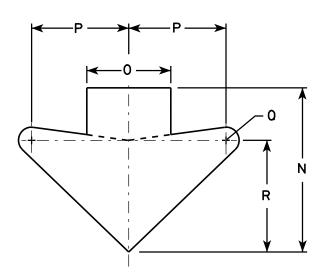
PLOT SCALE: 9.931739:1.000000



- 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 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/		1.4		_		_		_					· ·	·	7	Area
SIZE	Α	В	L	ט	-	F	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:

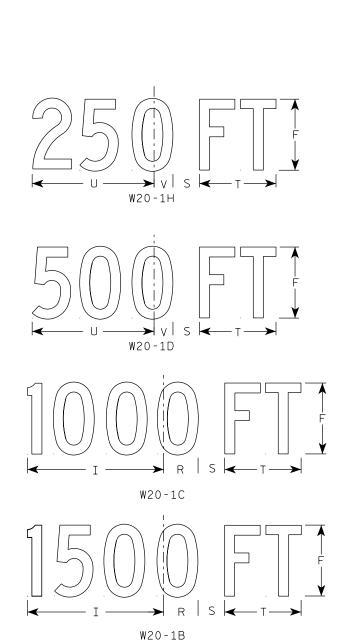
PROJECT NO:

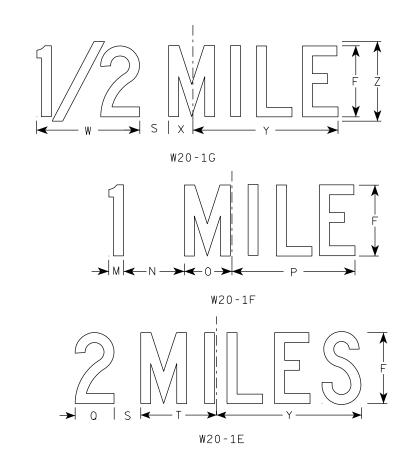
PLOT NAME :

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

Background – 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	H I	J	K	_ M	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 % 8	7/8 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 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
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 3/4	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 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
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 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

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

SHEET NO:

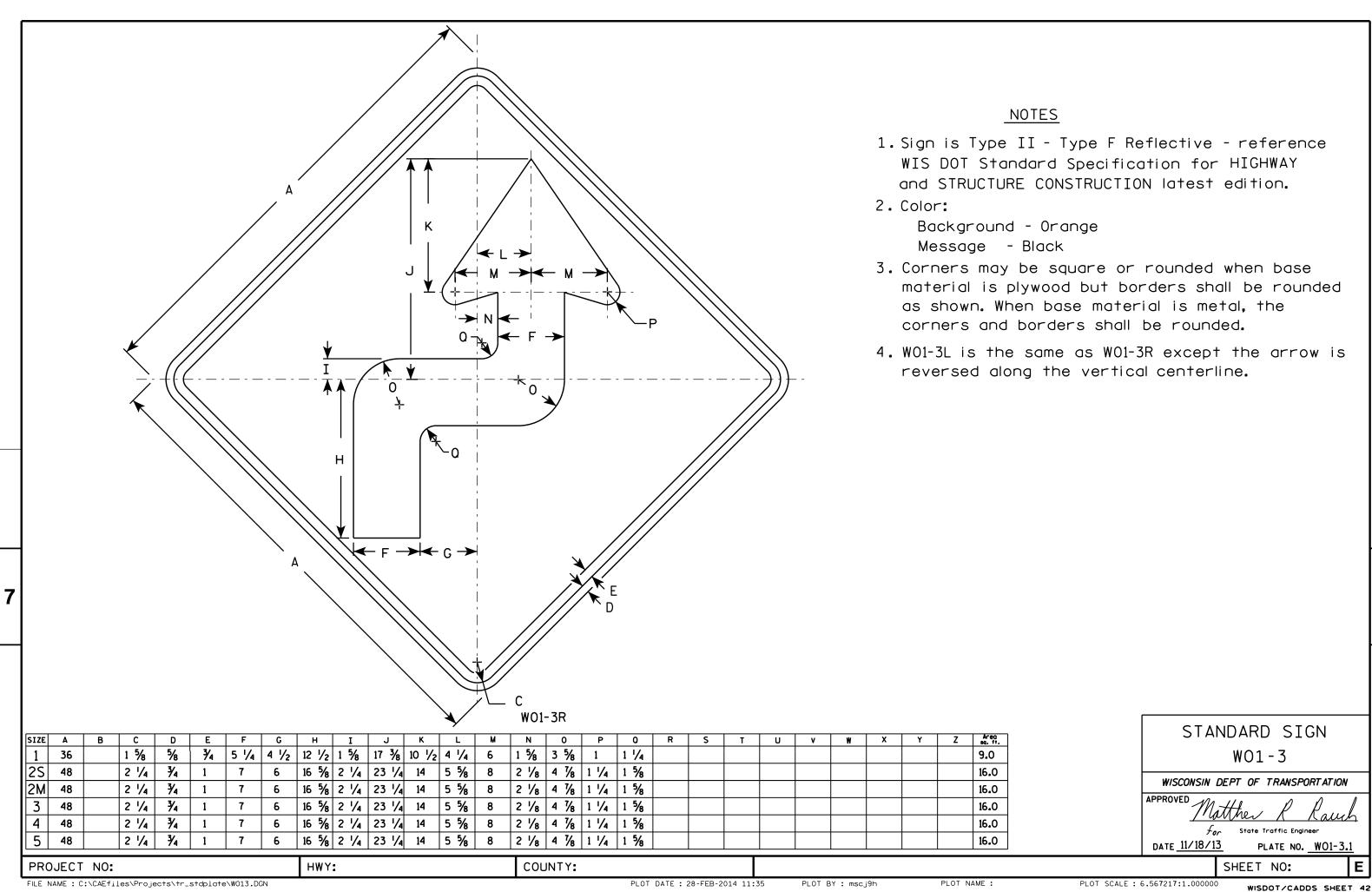
FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W201.DGN

PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

PLOT BY : dotc4c



- 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.

	G
	<b>¥</b> B
W01-6	

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 ¾													12.5

COUNTY:

STANDARD SIGN WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

For State Traffic Engineer

13 PLATE NO. <u>W01-6.1</u>

DATE <u>11/18/13</u>

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W016.DGN

HWY:

PROJECT NO:

PLOT DATE : 28-FEB-2014 11:37

PLOT NAME :

PLOT BY: mscj9h

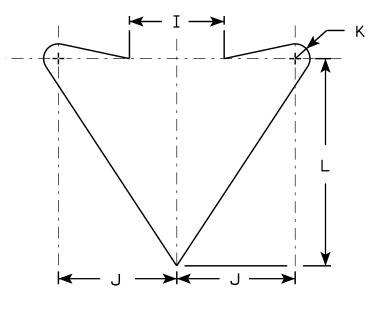
PLOT SCALE: 5.837526:1.000000

# <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. 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.



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

SIZE	Α	В	C	D	Ε	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	Т	U	v	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
25	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

COUNTY:

STANDARD SIGN W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ED Matte D D I

DATE 11/20/13 PLATE NO. WO6-3.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W063.DGN

PROJECT NO:

 $\leftarrow$  M  $\rightarrow$ 

HWY:

W06-3

PLOT DATE: 20-NOV-2013 12:14

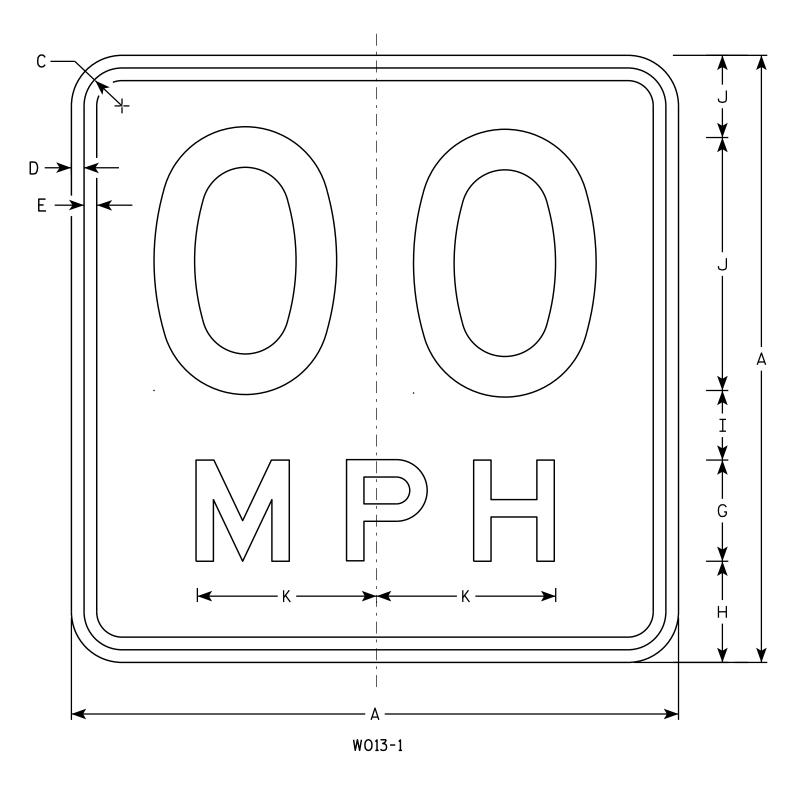
PLOT NAME :

PLOT SCALE: 6.080757:1.000000

WISDOT/CADDS SHEET 42

PLOT BY: mscsja PLOT

7



# <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 See Note 6
- 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 and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

SIZE	Α	В	С	D	E	F	G	н	I	J	К	L	М	N	0	Ρ	0	R	S	T	U	٧	₩	X	Y	Z	Areg sq. ft.
1	24		1 1/8	3∕8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 %	5/8	3∕4	16	6	5 1/2	4	4 1/2	10 %																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
3	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00
5	36		1 %	5/8	3/4	16	6	5 1/2	4	4 1/2	10 %																9.00

COUNTY:

STANDARD SIGN W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 11/21/13 PLATE NO. WO13-1.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W0131.DGN

HWY:

PROJECT NO:

PLOT DATE: 02-DEC-2013 13:55

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 3.794391:1.000000

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

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 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	Ρ	0	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
2S	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

DATE 3/21/17

PLATE NO. W057-52.2

SHEET NO:

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



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov