

GENERAL NOTES

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND SHOULD BE MEASURED IN THE FIELD FOR MATCHING PURPOSED.

REMOVING ASPHALTIC SURFACE MILLING AREA TO BE A MINIMUM OF 4 SQUARE FEET WITH A 1.75" DEPTH.

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.



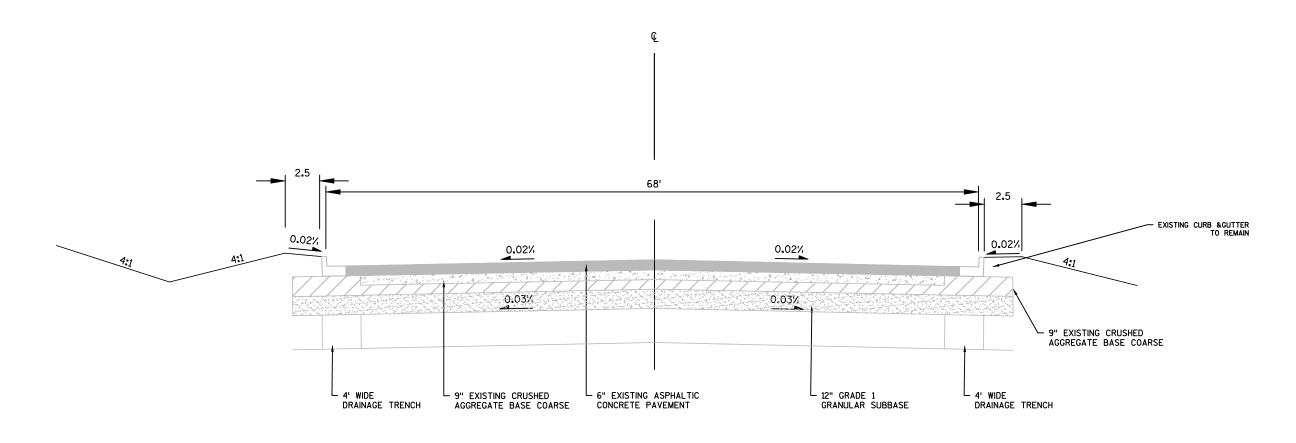
WISCONSIN DNR
JON SIMONSEN
107 SUTLIFF AVENUE
RHINELANDER, WI 54501
JONATHON.SIMONSEN@WISCONSIN.GOV
715-365-8916

PROJECT NO:1602-10-61 HWY:USH 45 COUNTY: LANGLADE GENERAL NOTES SHEET

FILE NAME: N:\PDS\C3D\16021031\SHEETSPLAN\020101\_GN.DWG PLOT BY: HOFFMAN, JENNIFER G PLOT SCALE:

WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION
WITH CURB AND GUTTER
STA 63+50 TO STA 91+00



EXISTING PC CONCRETE PAVEMENT



EXISTING HMA PAVEMENT TYPE



EXISTING BASE AGGREGATE DENSE 1 1/4-INCH

PROJECT NO:1602-10-61 HWY:USH 45 COUNTY:LANGLADE PLAN: TYPICAL SECTIONS SHEET **E** 

FILE NAME : N:\PDS\C3D\16021031\SHEETSPLAN\020301\_TS.DWG PLOT BY : 0ETTINGER, JEFFERY MPLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42

10.00 32' 32' 10.00' 0.02% 0.02% 0.04% 0.04% 9" EXISTING CRUSHED AGGREGATE BASE COARSE L 12" EXISTING GRANULAR SUBBASE - 6" EXISTING ASPHALTIC CONCRETE PAVEMENT - 9" EXISTING SALVAGED ASPHALTIC CONCRETE PAVEMENT

EXISTING TYPICAL SECTION

STA 91+00 TO STA 122+00 (CTH N)

EXISTING PC CONCRETE PAVEMENT

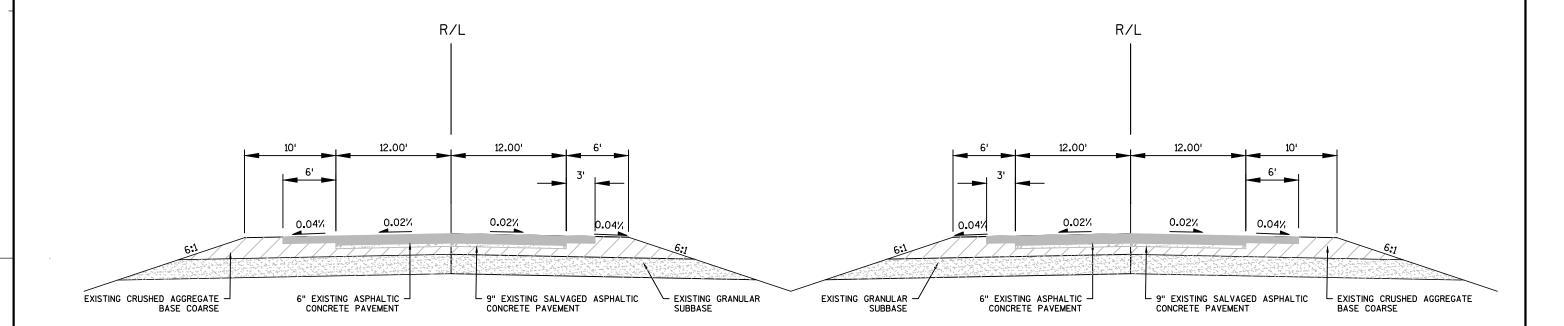


EXISTING HMA PAVEMENT TYPE



EXISTING BASE AGGREGATE DENSE 1 1/4-INCH

HWY:USH 45 COUNTY: LANGLADE PROJECT NO:1602-10-61 PLAN: TYPICAL SECTIONS SHEET E FILE NAME : N:\PDS\C3D\16021031\SHEETSPLAN\020301\_TS.DWG PLOT BY: OETTINGER, JEFFERY MPLOT NAME: PLOT DATE: 8/14/2014 10:37 AM PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION USH 45 STA 122+00 TO STA 248+00

PROJECT NO:1602-10-61

HWY: USH 45

COUNTY: LANGLADE

PLAN: TYPICAL SECTIONS

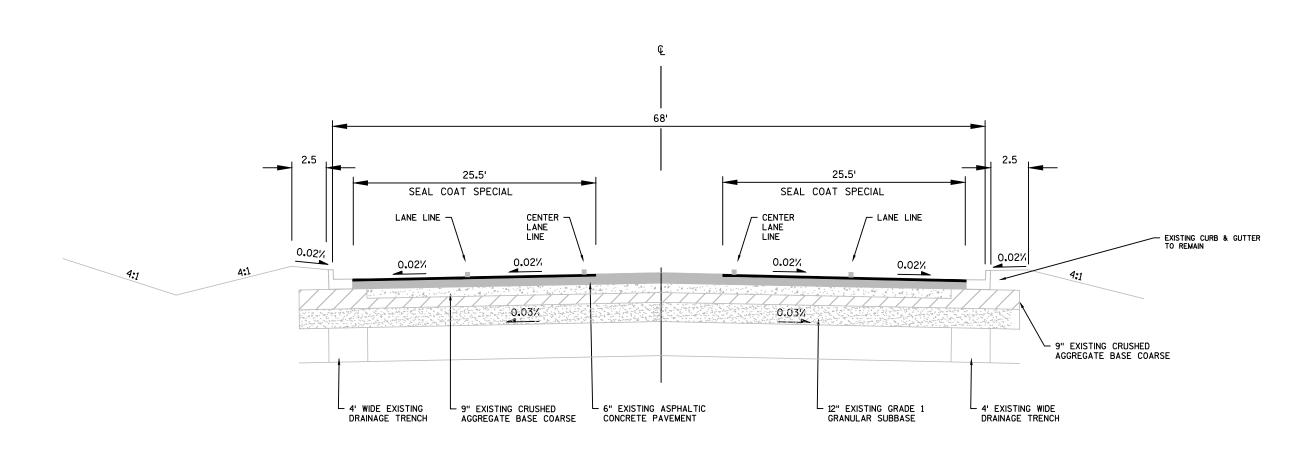
SHEET

FILE NAME : N:\PDS\C3D\16021031\SHEETSPLAN\020301\_TS.DWG

PLOT DATE: 8/25/2014 9:51 AM

PLOT BY: OETTINGER, JEFFERY MPLOT NAME: PLOT SCALE : 1 IN:10 FT E





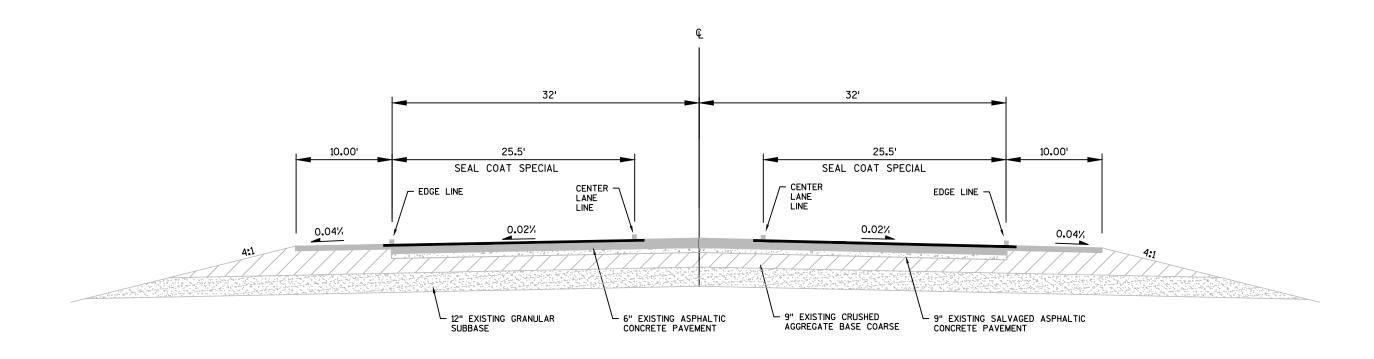
PROPOSED TYPICAL SECTION
WITH CURB AND GUTTER
STA 63+50 TO STA 91+00

PROJECT NO:1602-10-61 HWY:USH 45 COUNTY:LANGLADE PLAN: TYPICAL SECTIONS SHEET **E** 

FILE NAME: N:\PDS\C3D\16021031\SHEETSPLAN\020301\_TS.DWG PLOT BY: HOFFMAN, JENNIFER G PLOT NAME:

PLOT SCALE : 1 IN:10 FT

2



PROPOSED TYPICAL SECTION
WITHOUT CURB AND GUTER

STA 91+00 TO STA 122+00 (CTH N)

PROJECT NO:1602-10-61 HWY:USH 45 COUNTY:LANGLADE PLAN: TYPICAL SECTIONS SHEET **E** 

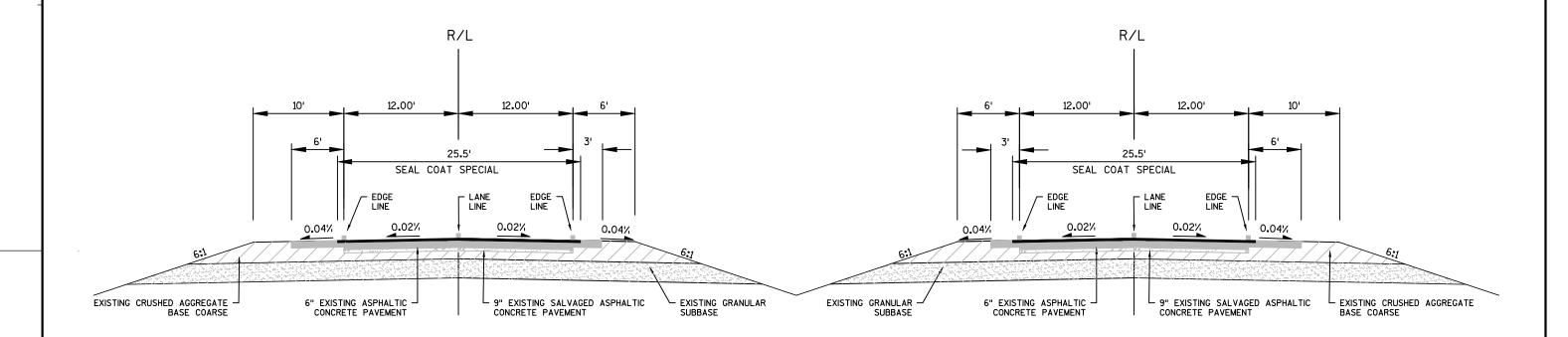
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PLOT DATE: 11/26/2014 11:25 AM PLOT BY: HOFFMAN, JENNIFER G PLOT NAME:

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

|2



PROPOSED TYPICAL SECTION USH 45
STA 122+00 TO STA 248+00

PROJECT NO:1602-10-61 HWY:USH 45 COUNTY:LANGLADE PLAN: TYPICAL SECTIONS SHEET E

PLACE YELLOW PAVEMENT-MARKING EPOXY 4" (PAVEMENT MARKING LEFT TURN LANE SDD) -REMOVE 235' EDGELINE PLACE 335' WHITE PAVEMENT MARKING EPOXY 4" EDGELINE 12'FROM CENTER LINE

> PAVEMENT MARKING DETAIL USH 45 AND CTH A

PROJECT NO: 1602-10-61

HWY: USH 45

COUNTY: LANGLADE

PAVEMENT MARKING DETAIL AT USH 45 AND CTH A

SHEET

DATE 19	MAR15	ES -	ГІМАТ	E O F Q U A N	NTITIES 1602-10-61	
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY	
0010	204. 0120	Removing Asphaltic Surface Milling	SY	3, 075. 000	3, 075. 000	
0020	213. 0100	Finishing Roadway (project) 01. Project 1602-10-61	EACH	1. 000	1. 000	
0030	465.0110	Asphaltic Surface Patching	TON	325.000	325.000	
0040	618. 0100	Maintenance And Repair of Haul Roads (project) 01. Project 1602-10-61	EACH	1. 000	1. 000	
0050	619. 1000	Mobilization	EACH	1. 000	1. 000	
0060	628. 7015	Inlet Protection Type C	EACH	26. 000	26. 000	·
0070	643. 0100	Traffic Control (project) 01. Project 1602-10-61	EACH	1. 000	1. 000	
0800	643.0300	Traffic Control Drums	DAY	9, 000. 000	9, 000. 000	
0090	643. 0420	Traffic Control Barricades Type III	DAY	228. 000	228. 000	
0100	643. 0705	Traffic Control Warning Lights Type A	DAY	456. 000	456. 000	
0110	643. 0800	Traffic Control Arrow Boards	DAY	24. 000	24. 000	
0120	643.0900	Traffic Control Signs	DAY	696.000	696.000	
0130	646. 0106	Pavement Marking Epoxy 4-Inch	LF	83, 640. 000	83, 640. 000	
0140	646. 0126	Pavement Marking Epoxy 8-Inch	LF	2, 100. 000	2, 100. 000	
0150	646. 0600	Removing Pavement Markings	LF	235. 000	235. 000	
0160	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	32.000	32. 000	
0170	647. 0356	Pavement Marking Words Epoxy	EACH	4. 000	4.000	
0180	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	575.000	575.000	
0190	SPV. 0060	Special 01. Temporary Pavement Marking Reflective Tabs	EACH	972. 000	972. 000	
0200	SPV. 0125	Special 01. Prepare Existing Pavement For Seal Coat	MI	6. 770	6. 770	
0210	SPV. 0180	Special 01. Spray Patching	SY	3, 075. 000	3, 075. 000	
0220	SPV. 0180	Special 02. Seal Coat Special	SY	100, 257. 000	100, 257. 000	

# 204.0120 REMOVING ASPHALTIC SURFACE MILLING

STATION - STATION LOCATION (SY) NOTES

63+50 - 248+00 Project 3,075 1.75" MILL DEPTH PRIOR TO ASPHALTIC SURFACE PATCHING
TOTAL 3,075

465.0110 ASPHALTIC SURFACE PATCHING

STATION - STATION	LOCATION	(TON)	NOTES
63+50 - 248+00	Project	325	1.75" DEPTH OF PATCH
•	ΤΟΤΔΙ	325	

628.7015
INLET PROTECTION
TYPE C

STATION - STATION LOCATION (EACH)

63+50 - 91+00 LEFT 16
63+50 - 91+00 RIGHT 10

TOTAL 26

STATION - STATION	I LOCATION	643.0300 TRAFFIC CONTROL DRUMS (DAYS)	643.0420 TRAFFIC CONTROL BARRICADES TYPE III (DAYS)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A (DAYS)	643.0800 TRAFFIC CONTROL ARROW BOARDS (DAYS)	643.0900 TRAFFIC CONTROL SIGNS (DAYS)
Project	-	9,000	228	456	24	696
	TOTAL	9.000	228	456	24	696

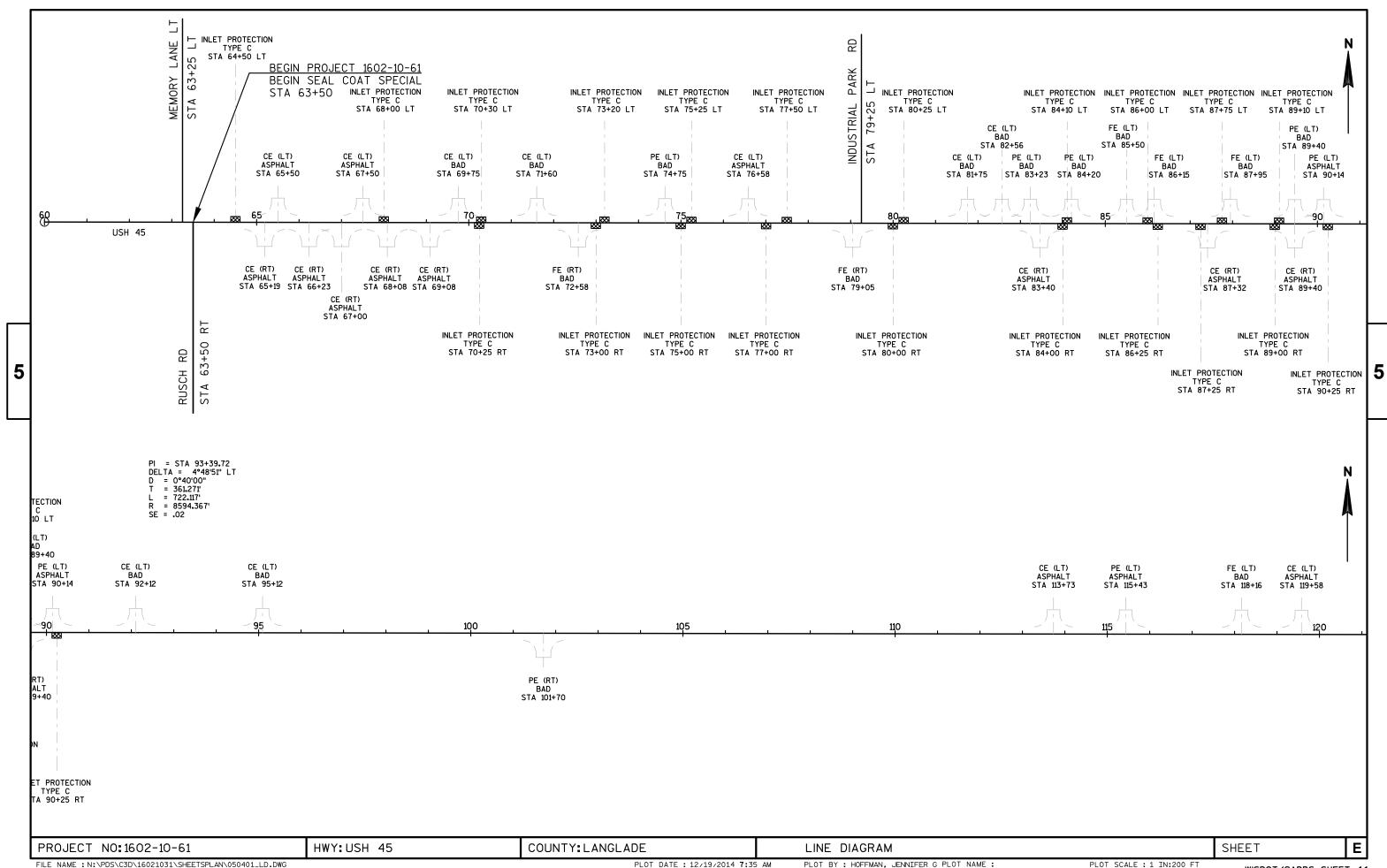
			646.0126	647.0166	647.0356	647.0726
		646.0106	PAVEMENT MARKING	PAVEMENT MARKING	PAVEMENT MARKING	<b>PAVEMENT MARKING</b>
		PAVEMENT MARKING EPOXY	<b>EPOXY</b>	<b>ARROWS EPOXY</b>	WORDS	<b>DIAGONAL EPOXY</b>
<b>STATION - STATION</b>	LOCATION	4 INCH	8 INCH	TYPE 2	EPOXY	12 INCH
63+50 - 248+00	-	44,765	2,100	-	-	-
63+50 - 248+00	-	38,875	-	-	-	-
PROJECT	TWLTL	-	-	32	-	-
PROJECT	TURN LANES	-	-	-	4	-
PROJECT	TRANSITIONS	-	-	-	-	575
	TOTAL	83,640	2,100	32	4	575

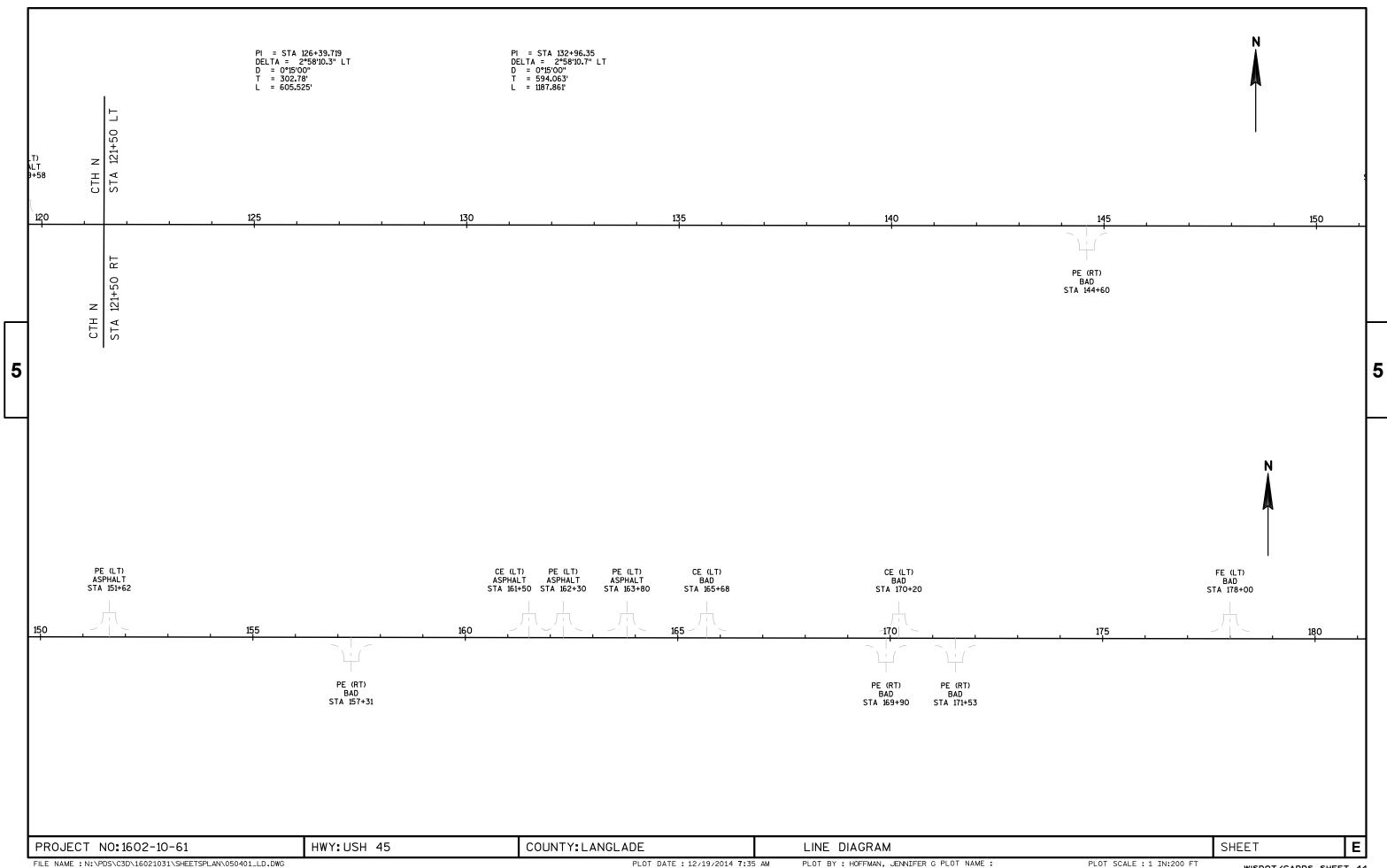
ALL ITEMS AND QUANTITIES ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

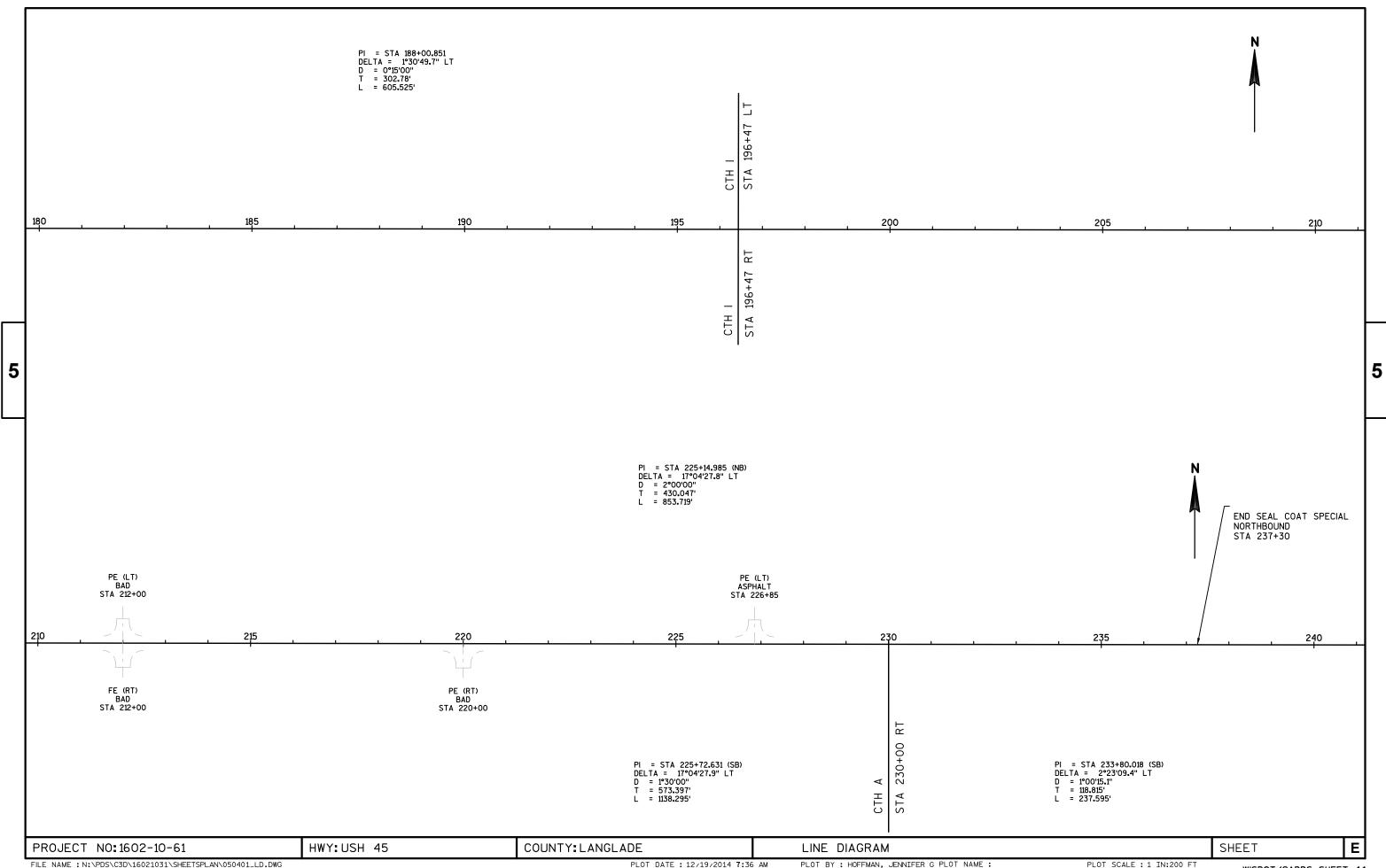
PROJECT NO: 1602-10-61 HWY: USH 45 COUNTY: LANGLADE MISCELLANEOUS QUANTITIES SHEET: **E** 

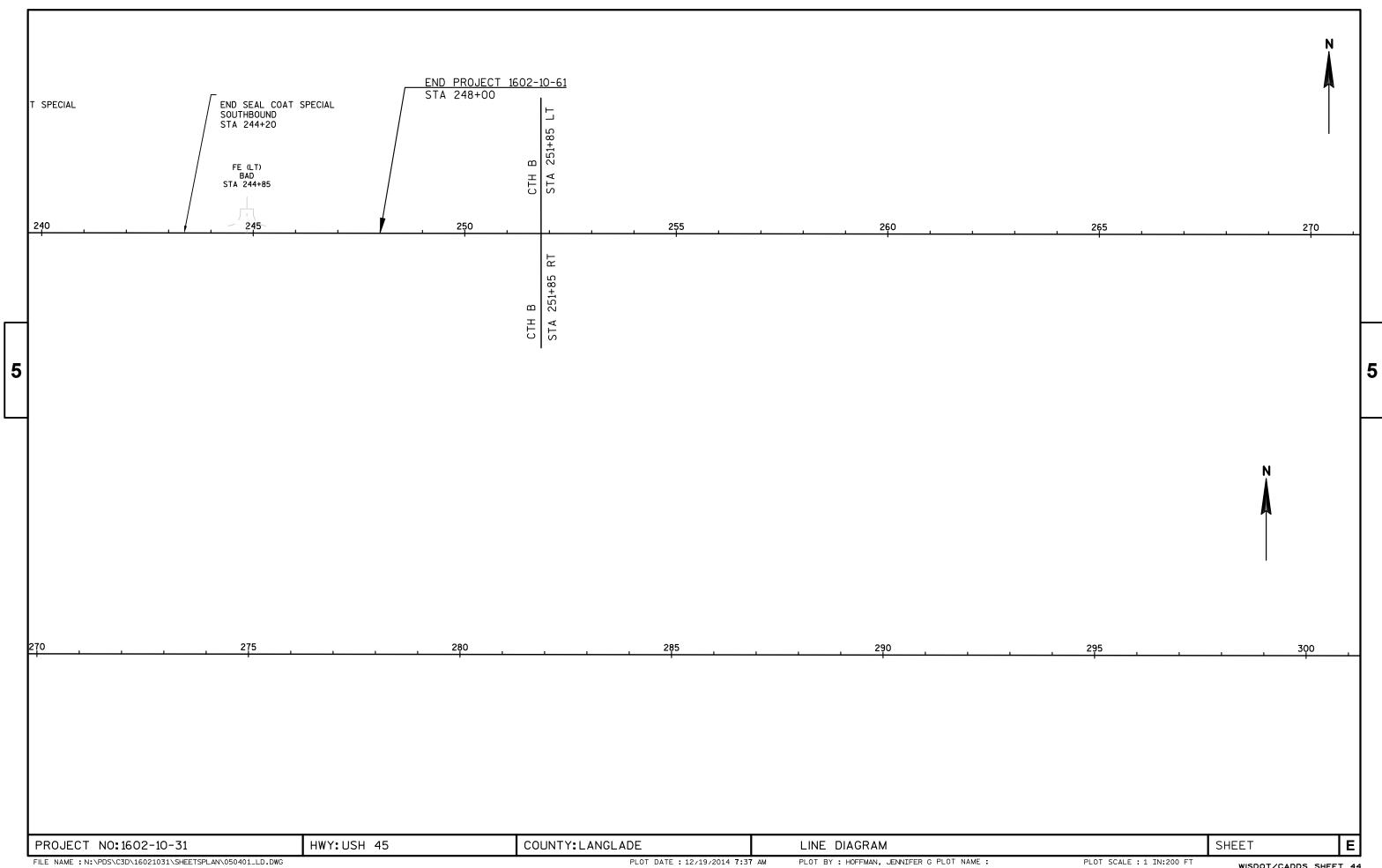
ILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1

			646.0406 REMOVING PAVEMENT MARKING					STATION - STATION	MAR	SPV.0060 IPORARY PAVEMENT KING REFLECTIVE TAE (EACH)	
STATIO	N - STATION	LOCATION	(LF)	NOTES				63+50-248+00	TWLTL	228	YELLOW
227+1	.5 - 229+50	RT	235	SEE PAVEMENT MARKIN	NG DETAIL			63+50 - 121+50	-	744	WHITE
		TOTAL	235						TOTAL	972	
					STATION - STATIO 63+50 - 244+20 63+50 - 237+30	N LOCATION Southbound Northbound TOTAL	SPV.0125 PREPARE EXISTI PAVEMENT FOR CH (MI) 3.45 3.32 6.77				
		<b>N - STATION</b> 0 - 248+00		SPV.0180.01 FAL COAT SPECIAL (SY) 100,257 100,257				STATION - STA Undistribute	TION LOCATION ed - TOTAL	SPV.0180.02 SPRAY PATCHING (SY) 3,075 3,075	









# Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-05	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

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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

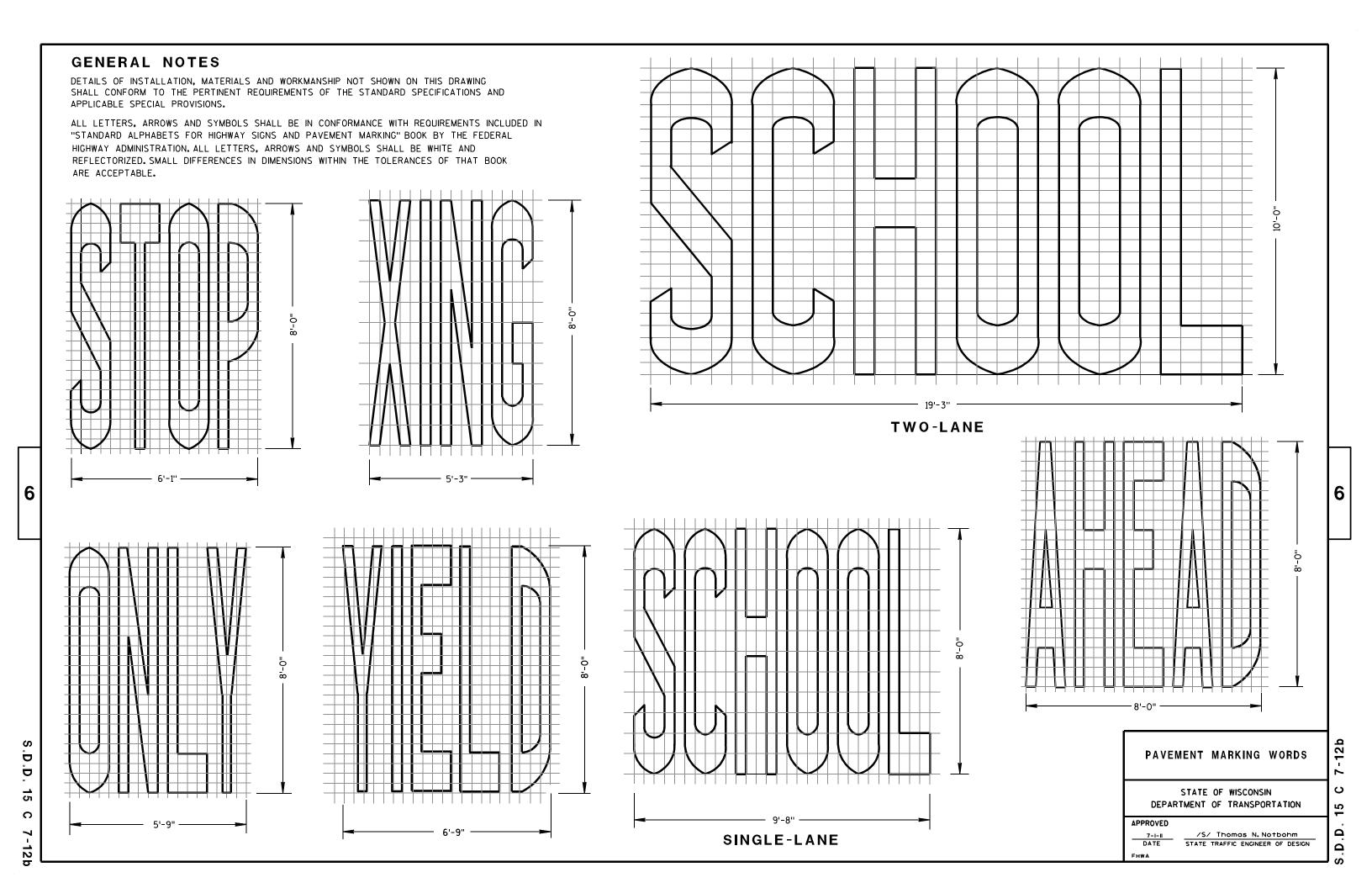
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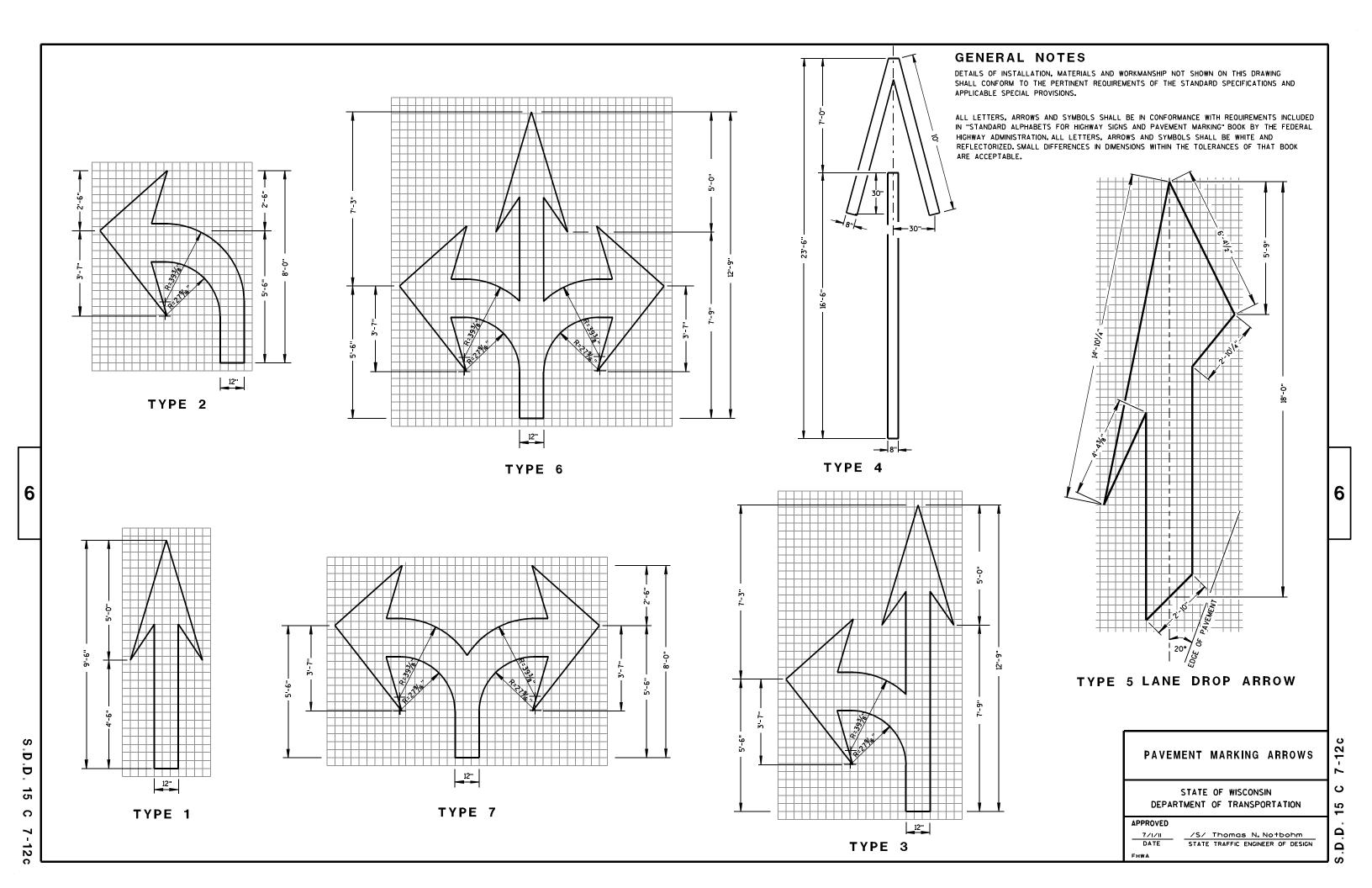
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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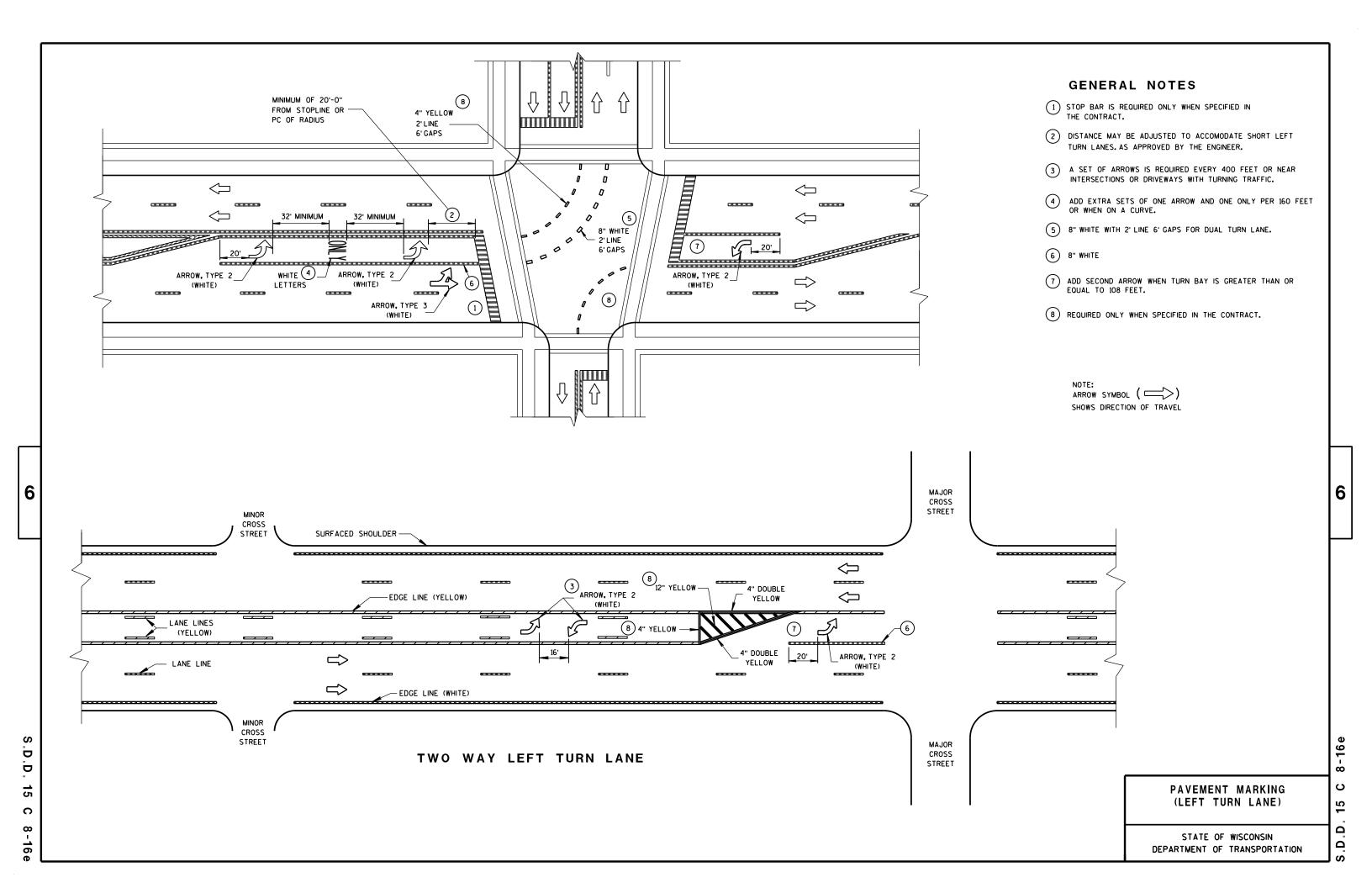
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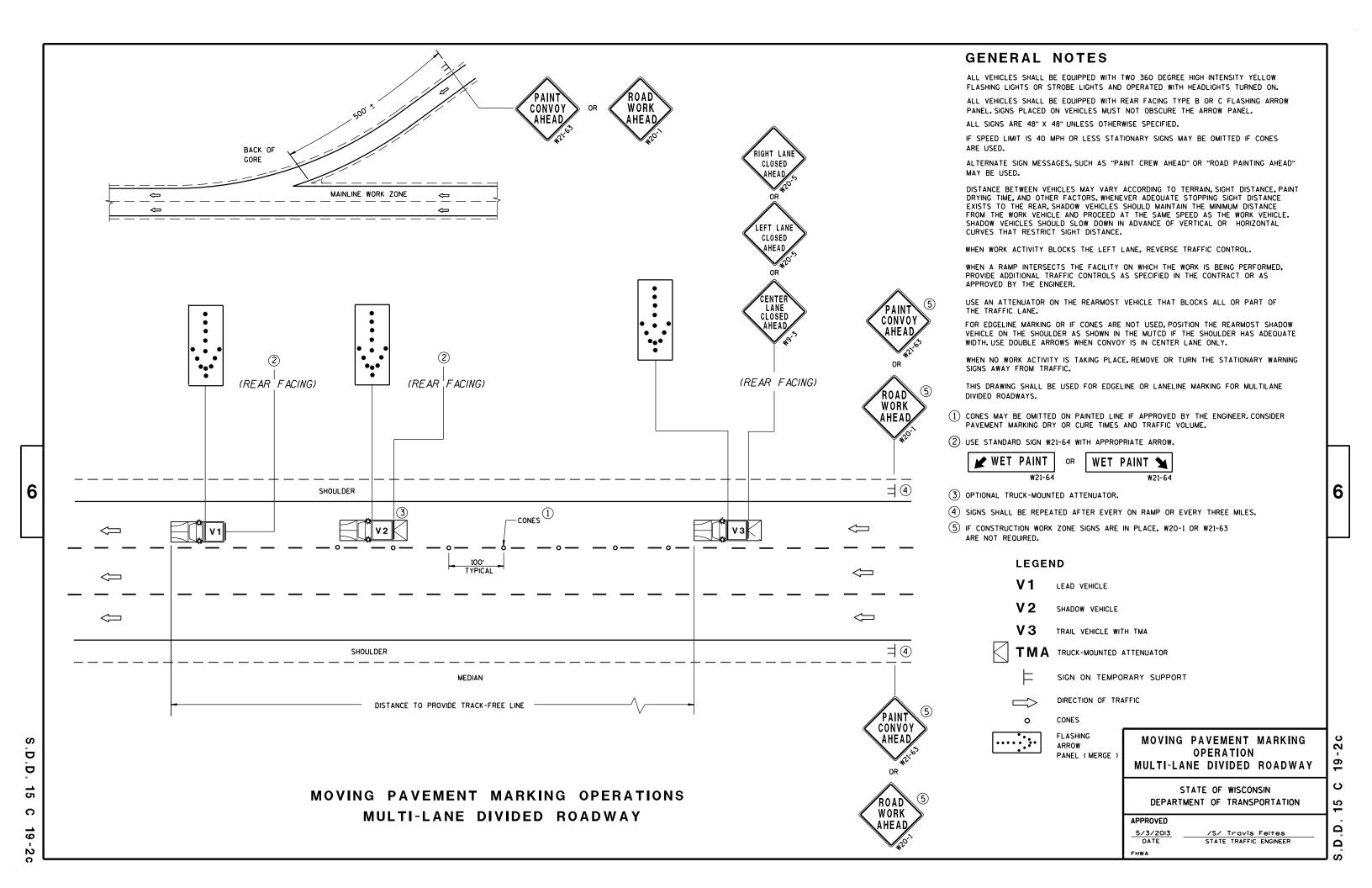


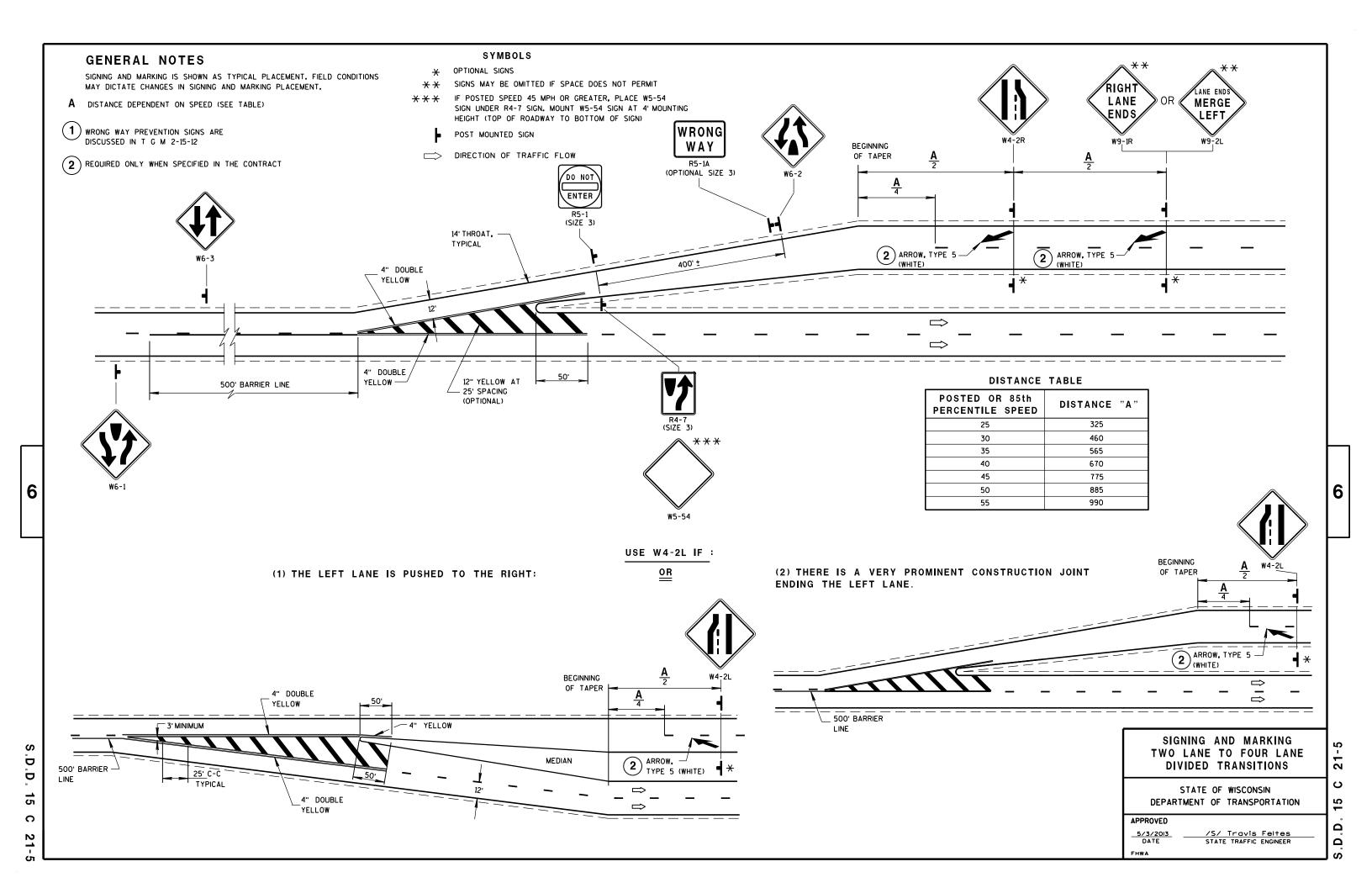




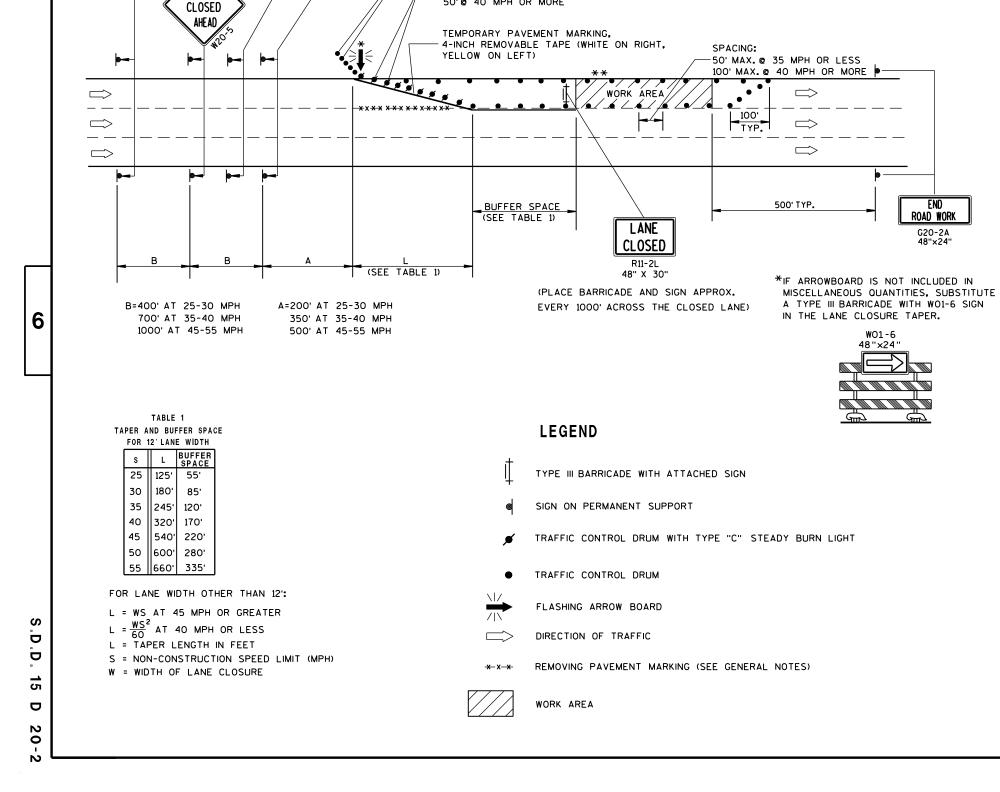












(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

25' @ 35 MPH OR LESS 50' @ 40 MPH OR MORE

SPACING:

ROAD WORK

NEXT\_\_\_MILES

G20-1

60" X 24"

AHEAD

# **GENERAL NOTES**

\*\*THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC. IN ADVANCE OF THE WORK AREA.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE, FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W2O-1, G2O-1 AND G2O-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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

BARRICADES IN A CLOSED LANE 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.

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

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

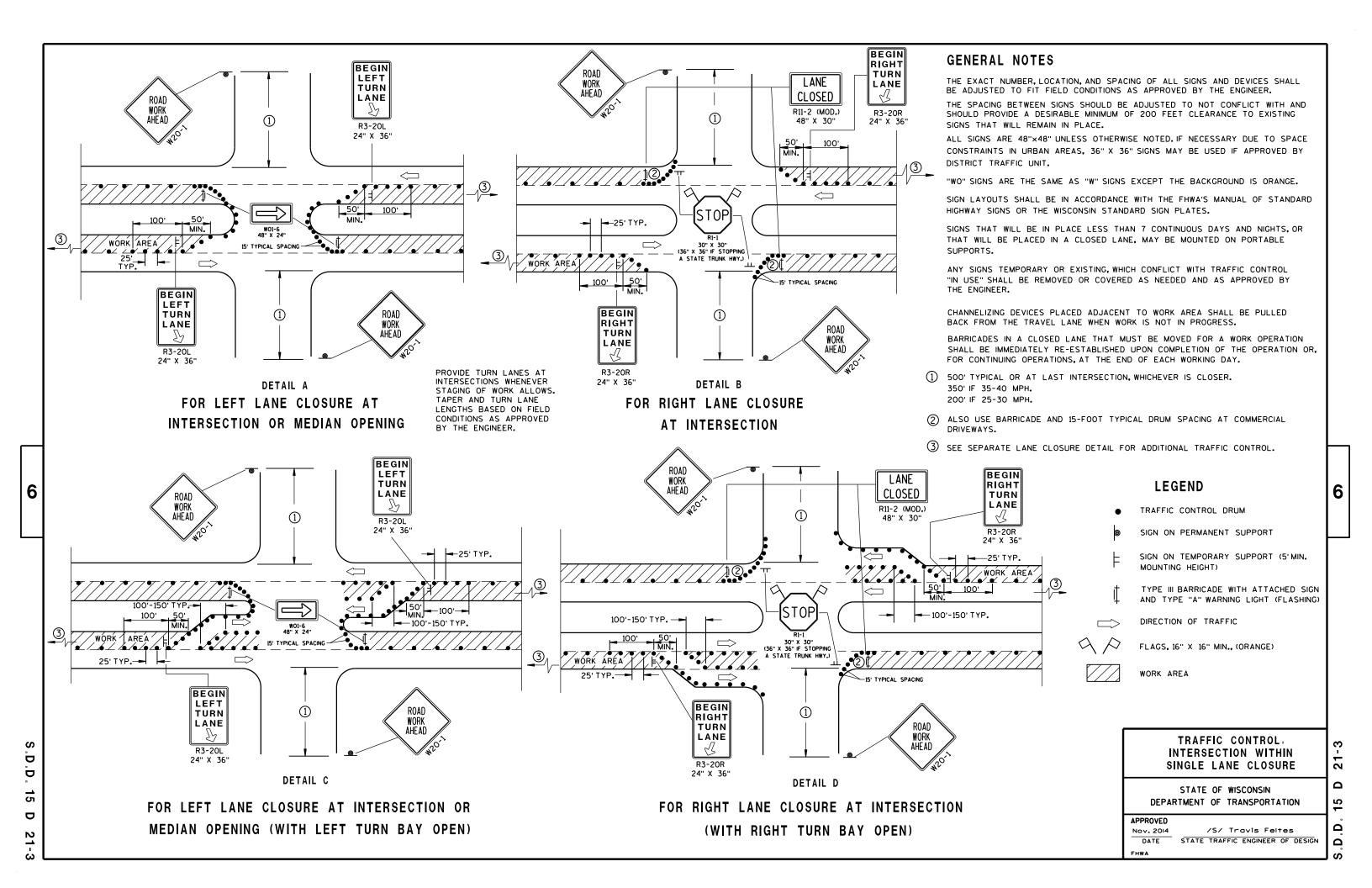
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

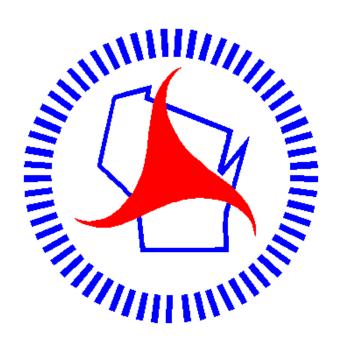
8/2013 /S/ Travis Feites

DATE TRAFFIC ENGINEER OF DESIGN

S.D.D. 15 D 2



Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov