

SE REGION STATE HIGHWAY MAINTAINENCE CONTACTS:

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MAINTAINENCE PROGRAM ENGINEER

WISDOT SE REGION 141 NW BARSTOW STREET, WAUKESHA,WI 53188

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WAUKESHA

ANDREA MAXELL

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WISDOT SE REGION

141 NW BARSTOW STREET, WAUKESHA

WAUKESHA,WI 53188 PHONE: (414) 750-1411

MILWAUKEE (NORTH)

KEVIN PEIFFER

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David Zeman

Area Maintainence Coordinator

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141 NW BARSTOW STREET, WAUKESHA

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RACINE COUNTY

GAIL VUKODINOVICH

AREA MAINTAINENCE COORDINATOR

WISDOT SE REGION

141 NW BARSTOW STREET, WAUKESHA

WAUKESHA,WI 53188 PHONE: (414) 750-0994

WALWORTH & KENOSHA

DENNIS SCHMUNCK

AREA MAINTAINENCE COORDINATOR

WISDOT SE REGION

141 NW BARSTOW STREET, WAUKESHA

WAUKESHA,WI 53188

PHONE: (414) 750-1563

DNR CONTACTS:

MILWAUKEE COUNTY

KRISTINA BETZHOLD WDNR - SE REGION

2300 N.MARTIN LUTHER KING DR.

MILWAUKEE-53212

Kristina.Betzold@wisconsin.gov

PHONE: (414) 263-8517

KENOSHA, RACINE, WALWORTH, & WAUKESHA

CRAIG WEBSTER

141 NW BARSTOW ST.RM:180

WAUKESHA,WI 53188

craig.webster@wisconsin.gov

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OTHER CONTACTS

JOHN KANZENBACH,P.E WISDOT PROJECT MANAGER 141 NW BARSTOW STREET

WAUKESHA ,WI 53188

PHONE:262-548-6467 John.kanzenbach@wi.dot.gov **GENERAL NOTES**

NO UTILITY FACILITIES ARE IDENTIFIED IN THE PLAN.

IDENTIFY ALL UTILITIES IN THE AREA BY CONTACTING DIGGERS HOTLINE.

QUANTITY FOR CRACK SEALING IS ESTIMATED AT 4 LF PER 1 LB OF MATERIAL.

EPOXY PAVEMENT MARKINGS WILL BE CONTINOUS WITH IN PROJECT LIMITS.

CRACK SEALING LOCATIONS ARE APPROXIMATE AND WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CRACK SEALING AREA INCLUDE MAINLINE TRAVEL LANES, SHOULDERS, TURNLANES AUXILLARY LANES AND TAPER SECTIONS AND RAMPS

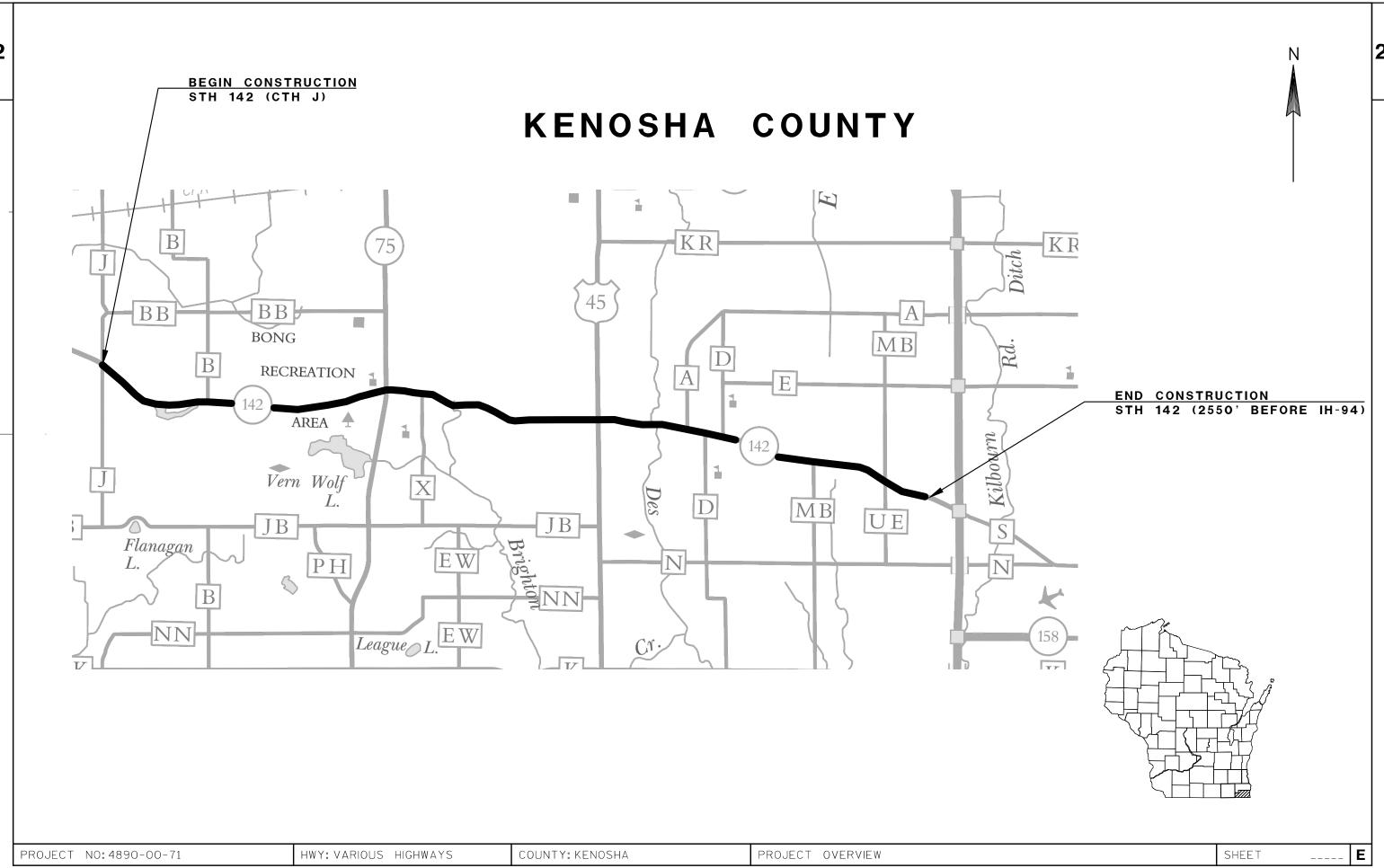
TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

QUANTITY FOR Rout AND SEAL IS ESTIMATED AT 3 LF PER 1 LB OF MATERIAL.



PROJECT NO: 4890-00-71 HWY: VARIOUS FREEWAYS COUNTY: SE REGION WIDE GENERAL NOTES SHEET: E

FILE NAME : ______ PLOT BY : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



FILE NAME :N:\PDS\C3D\CAD\48900001\020201_PO.DWG PLOT BY :HAYNES, RONNIE PLOT NAME : ______PLOT SCALE :0.000116 WISDOT/CADDS SHEET 42

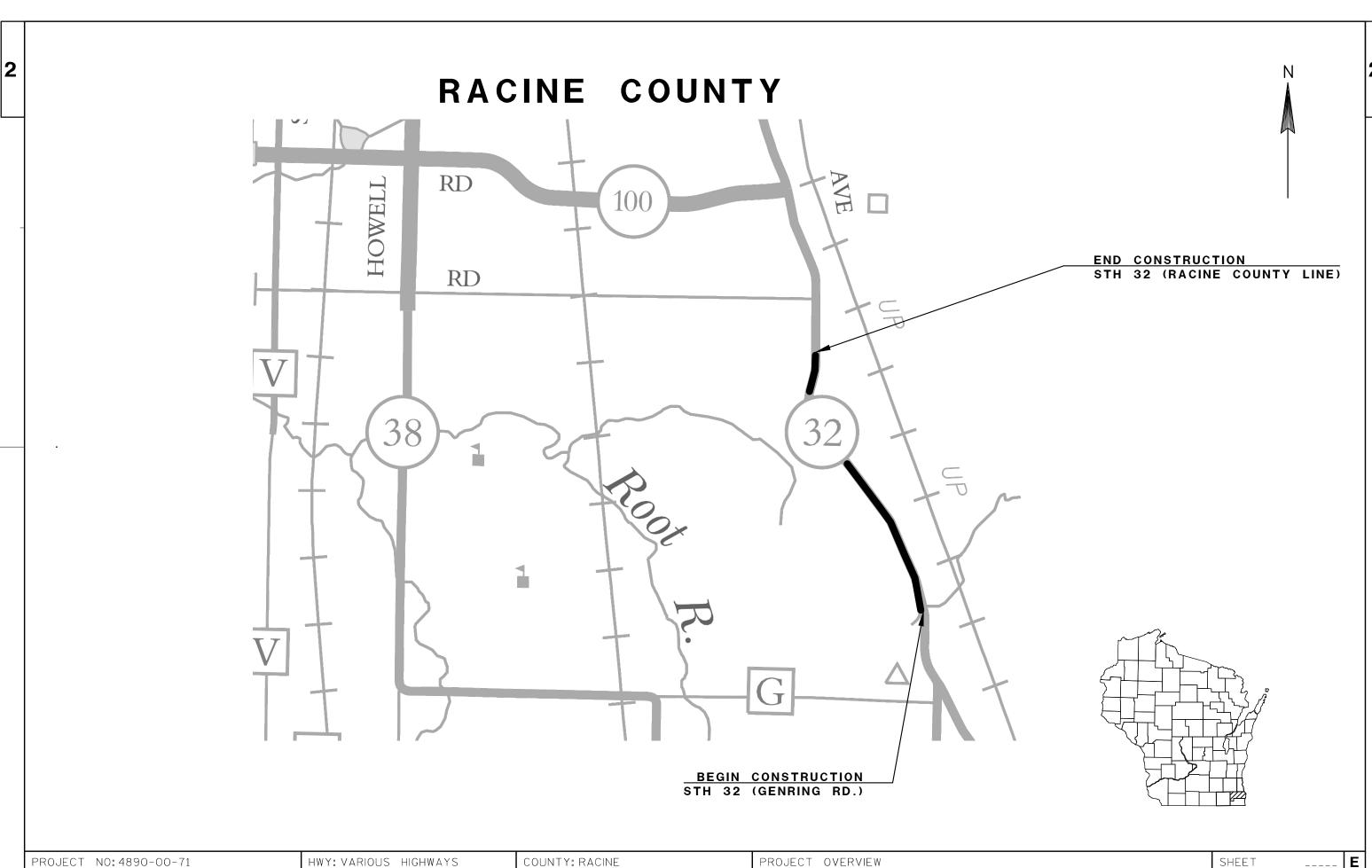
END CONSTRUCTION STH 32 (FOREST HILL AVE.) MILWAUKEE COUNTY 241 AVE. **PUETZ** RD RD HOWELL RD S **BEGIN CONSTRUCTION** STH 32 (MILWAUKEE COUNTY LINE) COUNTY: MILWAUKEE HWY: VARIOUS HIGHWAYS PROJECT OVERVIEW SHEET E PROJECT NO: 4890-00-71

FILE NAME : N:\PDS\C3D\CAD\48900001\020202_P0.DWG

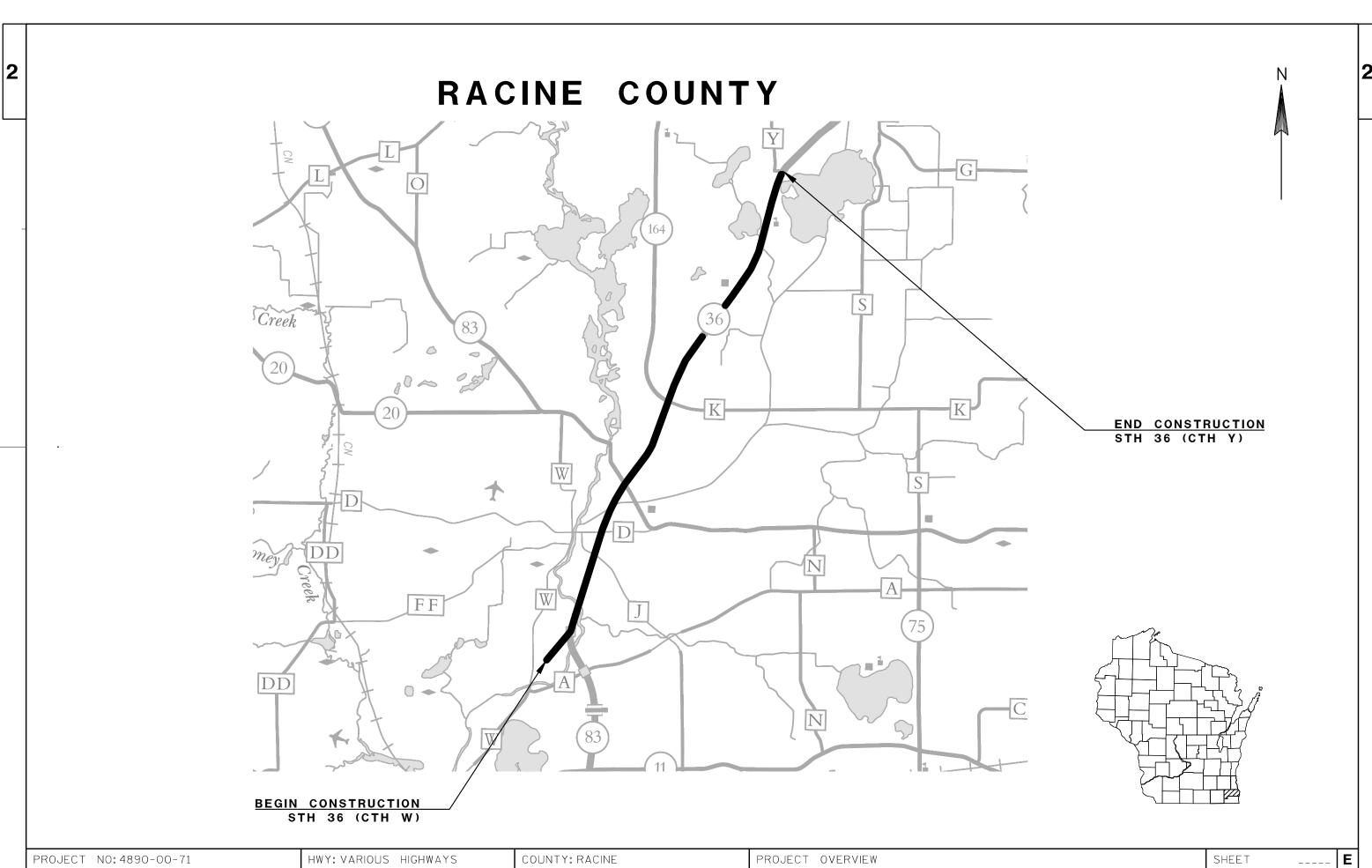
PLOT DATE : 1/29/2015 2:33 PM

PLOT BY : HAYNES, RONNIE

PLOT NAME: _____PLOT SCALE:0.000178

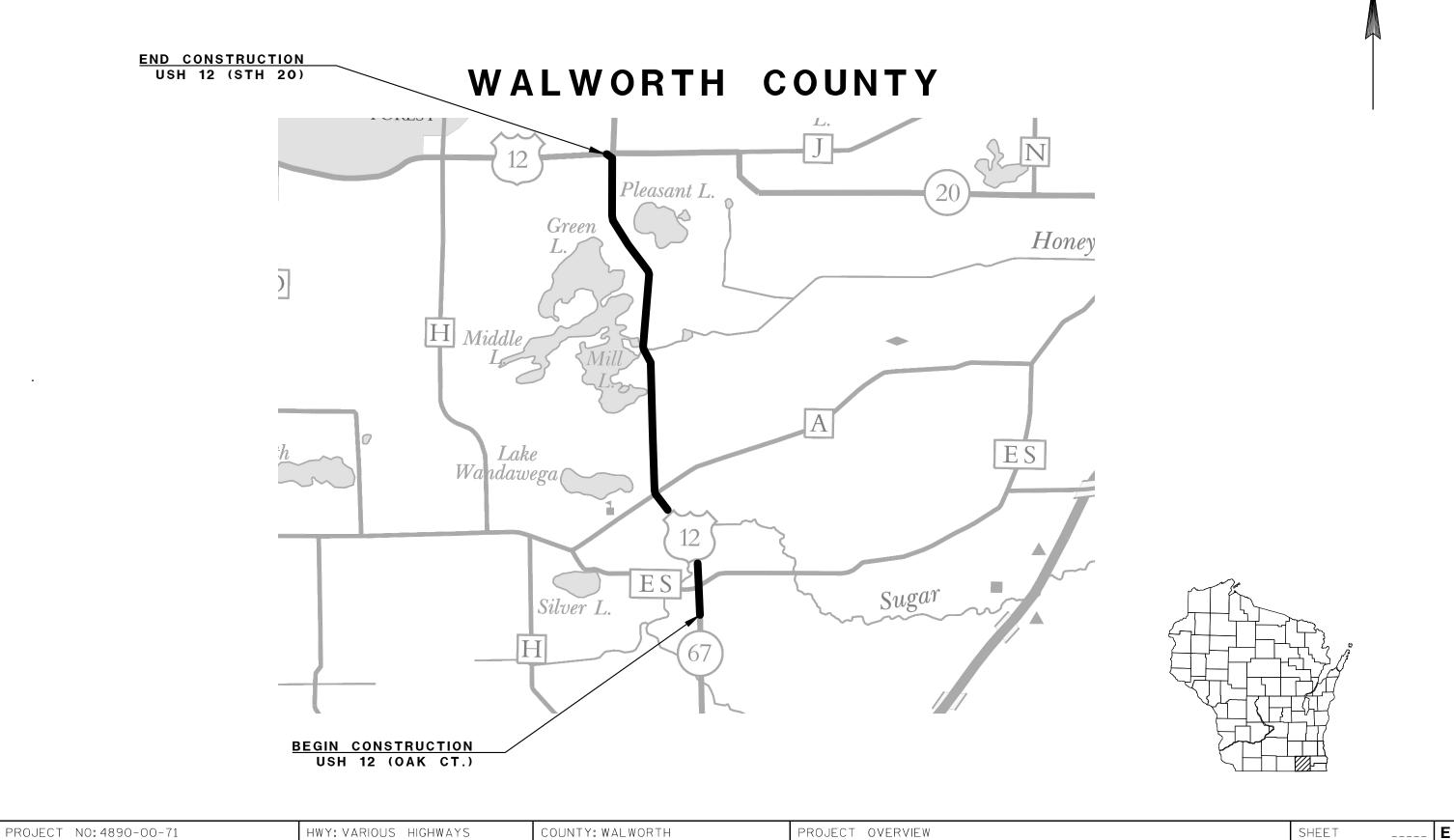


PROJECT OVERVIEW E PROJECT NO: 4890-00-71 FILE NAME : N:\PDS\C3D\CAD\48900001\020203_PO.DWG PLOT BY : HAYNES, RONNIE PLOT NAME: _____PLOT SCALE : 0.000220



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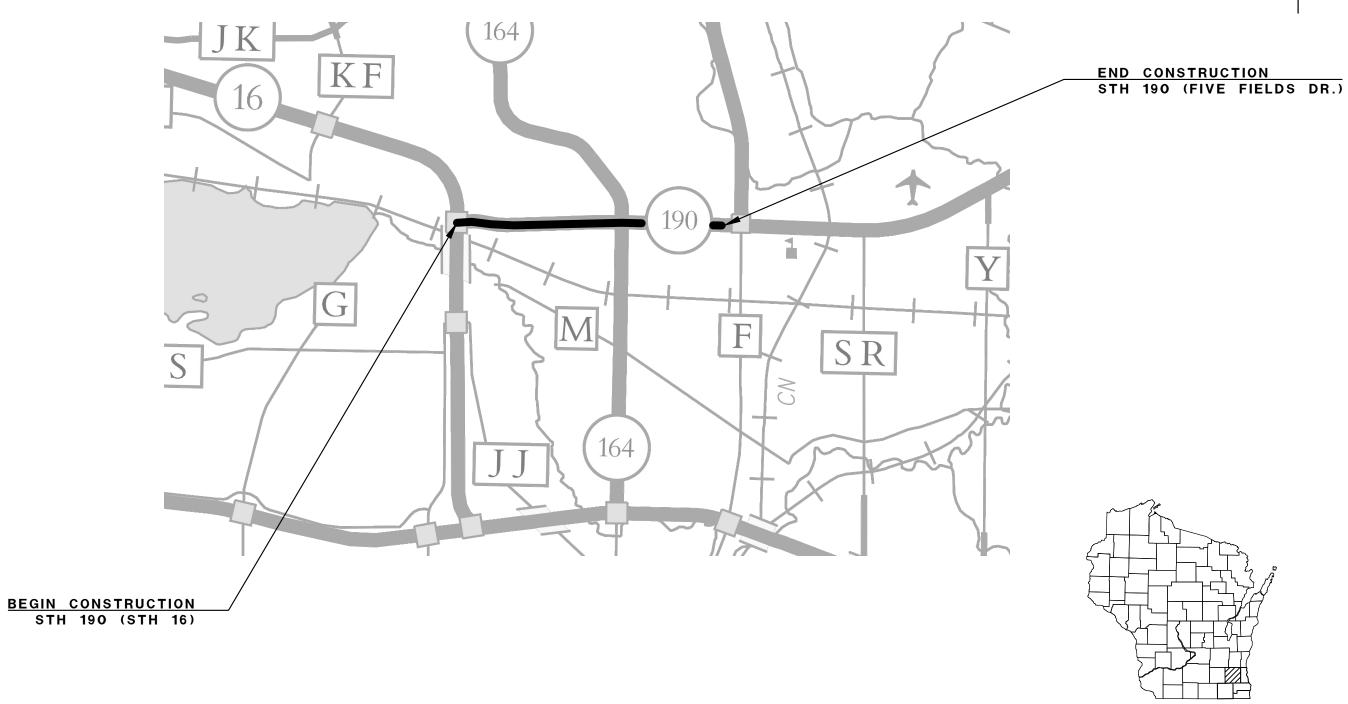
PLOT BY : HAYNES, RONNIE

PLOT NAME: _____PLOT SCALE:0.000127





WAUKESHA COUNTY



PROJECT NO: 4890-00-71

HWY: VARIOUS HIGHWAYS

COUNTY: WAUKESHA

PROJECT OVERVIEW

WISDOT/CADDS SHEET 42

E

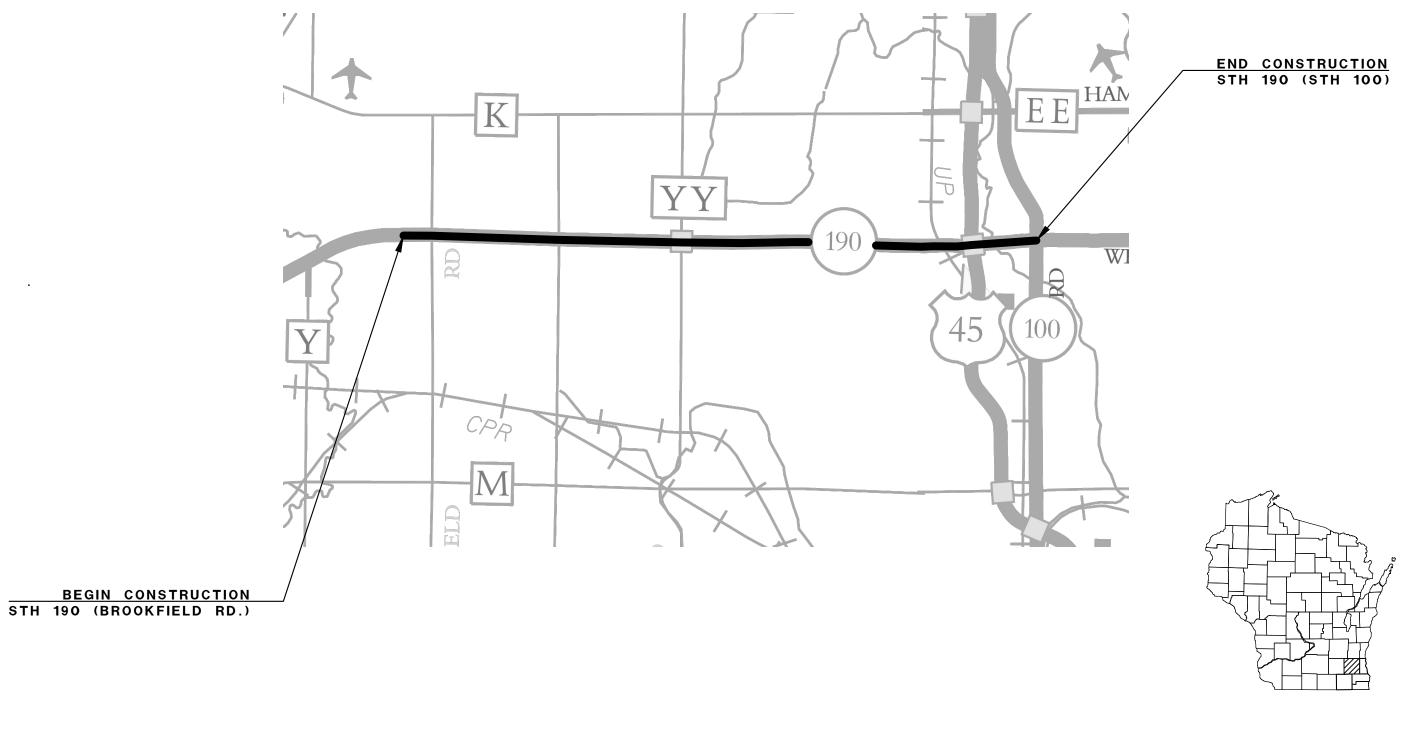
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PLOT DATE : 1/29/2015 2:33 PM

PLOT BY : HAYNES, RONNIE

PLOT NAME: _____PLOT SCALE : 0.000179

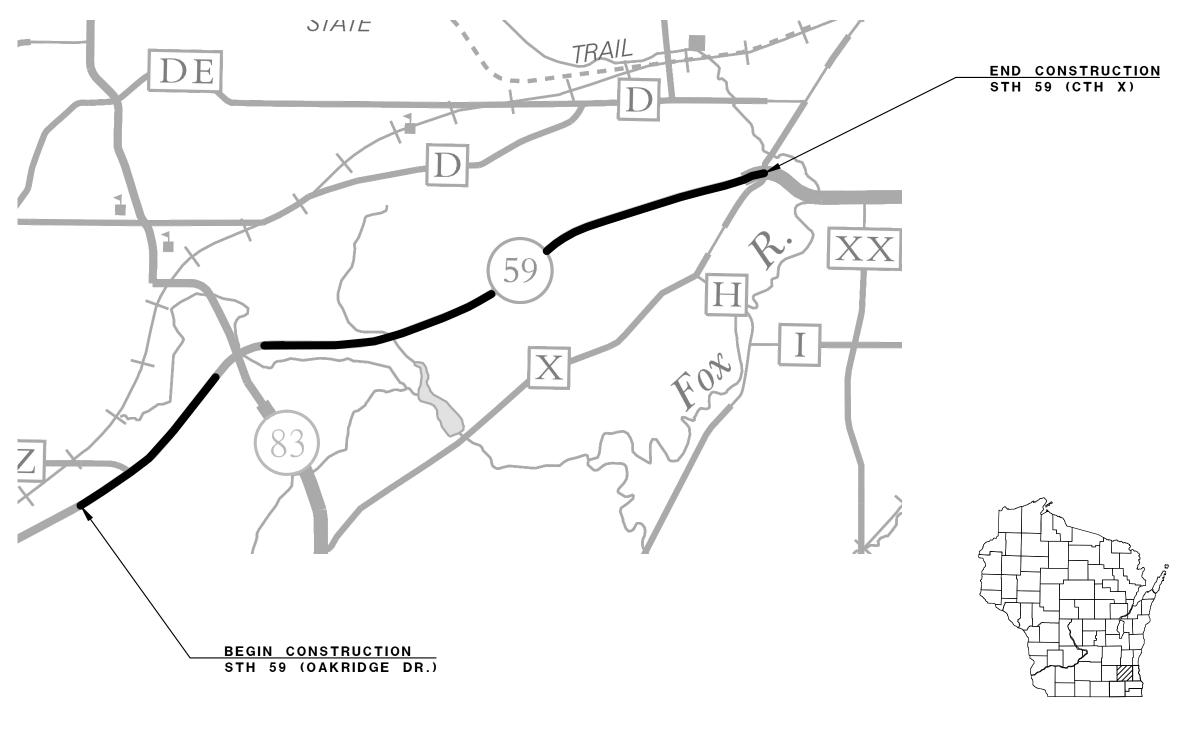
WAUKESHA COUNTY



PROJECT NO:4890-00-71 HWY: VARIOUS HIGHWAYS COUNTY: WAUKESHA PROJECT OVERVIEW SHEET .___ **E**

FILE NAME: N:\PDS\C3D\CAD\48900001\020208_PO.DWG PLOT BY: HAYNES, RONNIE PLOT NAME: ______PLOT SCALE: 0.000179

WAUKESHA COUNTY



FILE NAME :N:\PDS\C3D\CAD\48900001\020209_P0.DWG

PROJECT NO: 4890-00-71

COUNTY: WAUKESHA

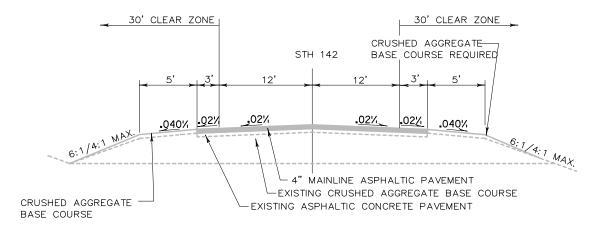
HWY: VARIOUS HIGHWAYS

PROJECT OVERVIEW

SHEET

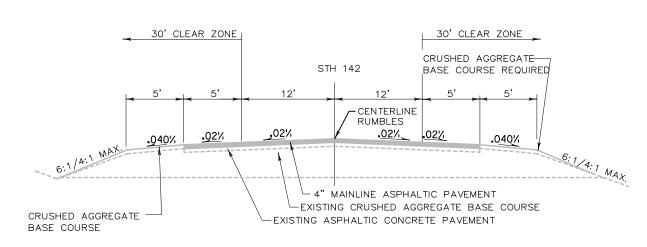
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DATE : 1/29/2015 2:34 PM PLOT BY : HAYNES, RONNIE PLOT NAME : _____PLOT SCALE : 0.000175



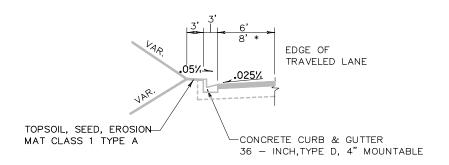
EXISTING TYPICAL SECTION

STH 142 CTY J TO STH 75

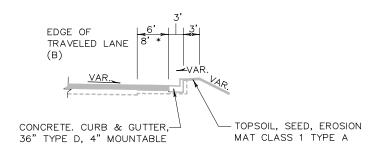


EXISTING TYPICAL SECTION

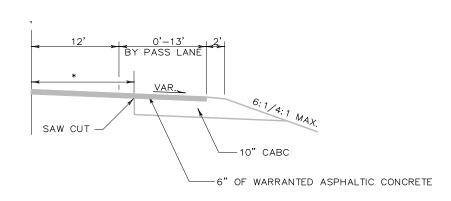
STH 142 STH 75 TO IH-94



EXISTING TYPICAL SECTION
BRIGHTON CREEK
550' WEST OF 216TH AVE.
400' EAST OF CTH UE



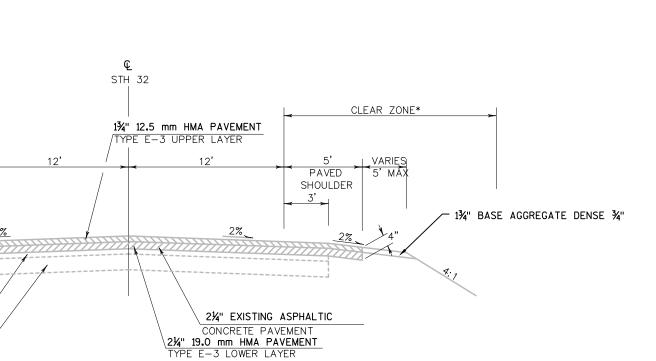
EXISTING TYPICAL SECTION 200' EAST OF CTH D



BY PASS LANE TYPICAL SECTION

* CTH B 224TH AVE. 216TH AVE.

PROJECT NO:4890-00-71 HWY:VARIOUS HIGHWAYS COUNTY:KENOSHA TYPICAL SECTIONS SHEET **E**



EXISTING TYPICAL SECTION

STH 32 GEHRING RD. TO FOREST HILL AVE.

PROJECT NO: 4890-00-71 HWY: VARIOUS HIGHWAYS COUNTY: MILWAUKEE SHEET E TYPICAL SECTIONS

CLEAR ZONE*

VARIES 5' MÁX

2¼"

NOMINAL

1¾" BASE AGGREGATE DENSE ¾"

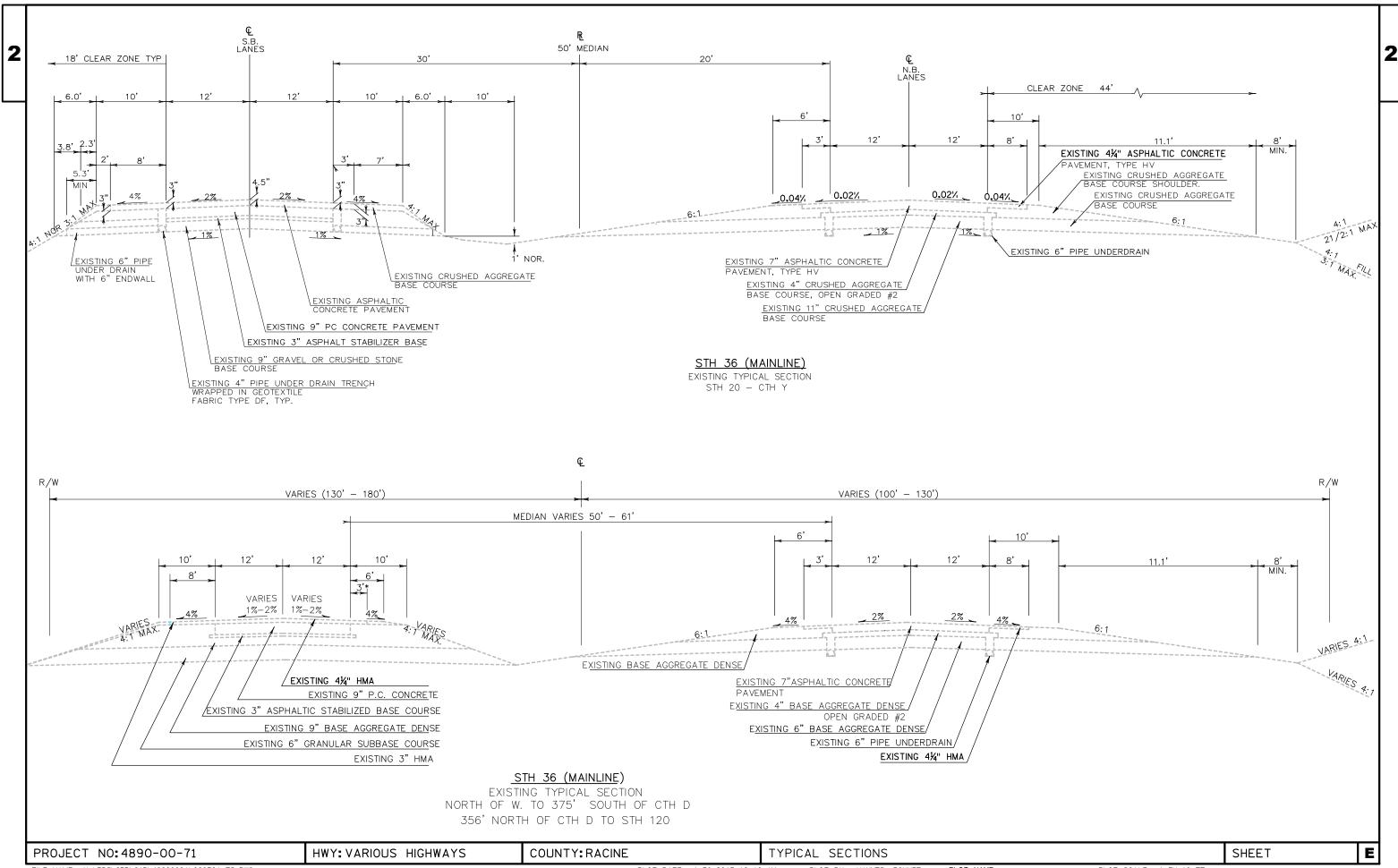
PAVED

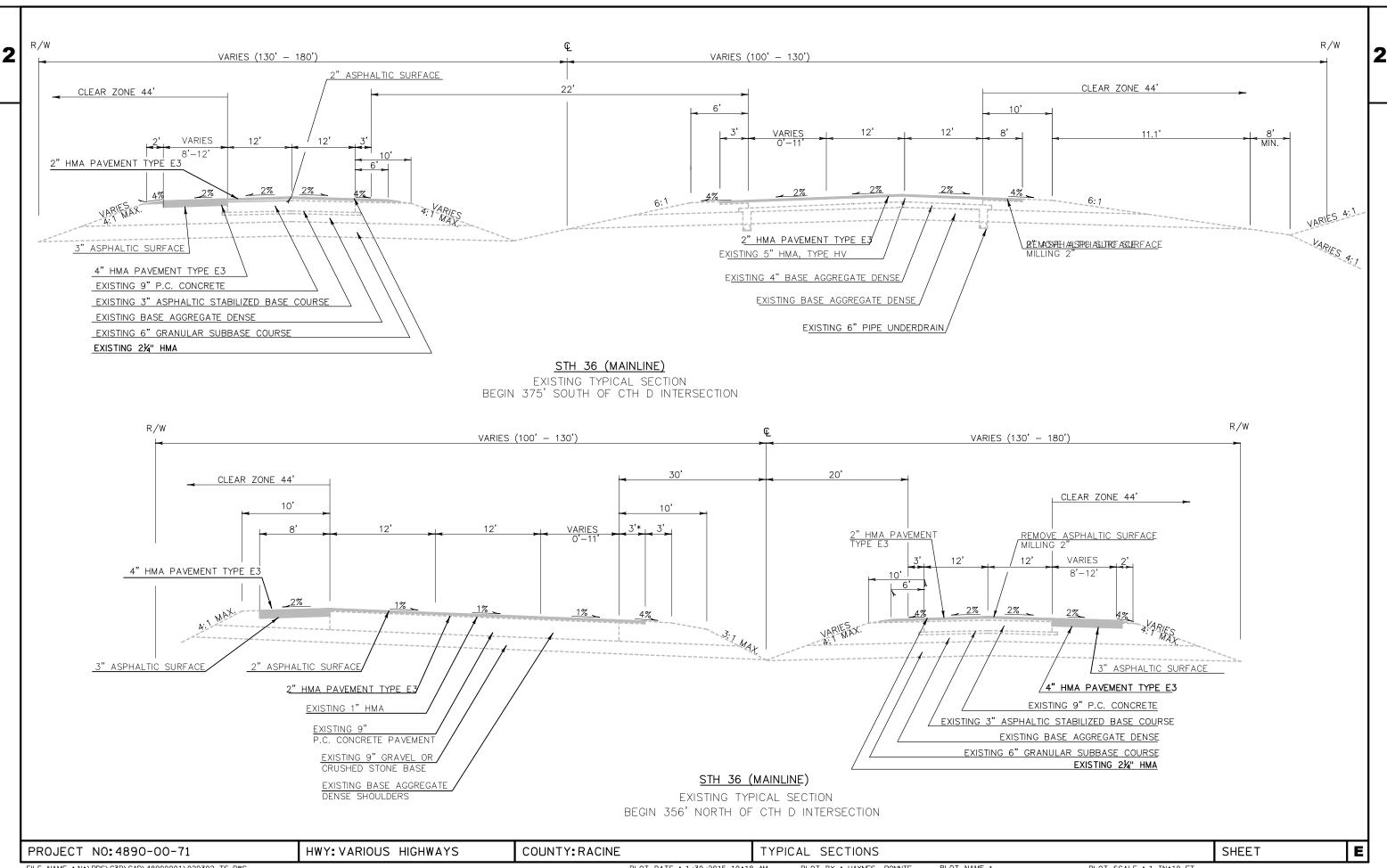
SHOULDER

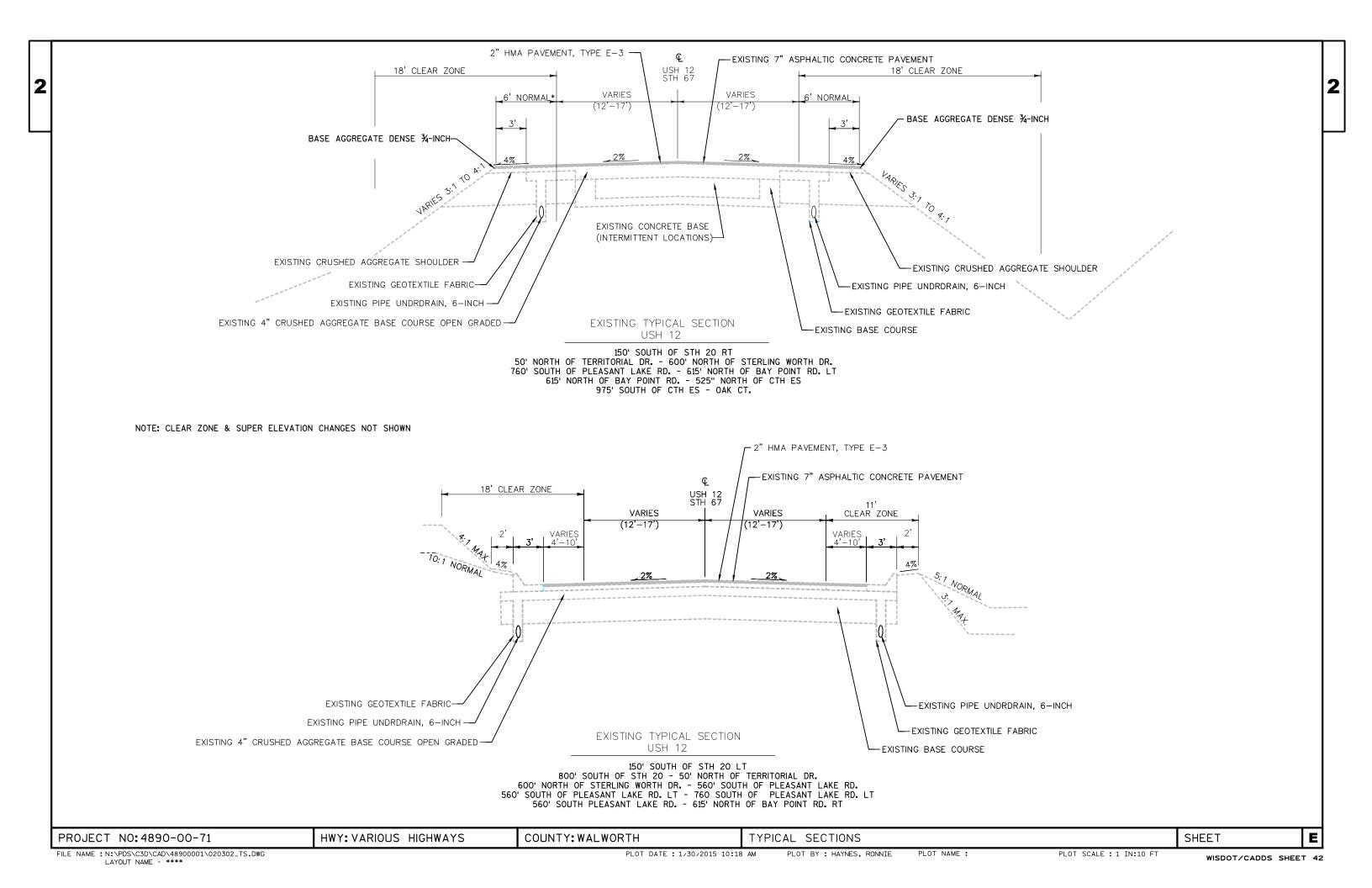
EXISTING / ASPHALTIC PAVEMENT

EXISTING 8" PCC
PAVEMENT NOMINAL

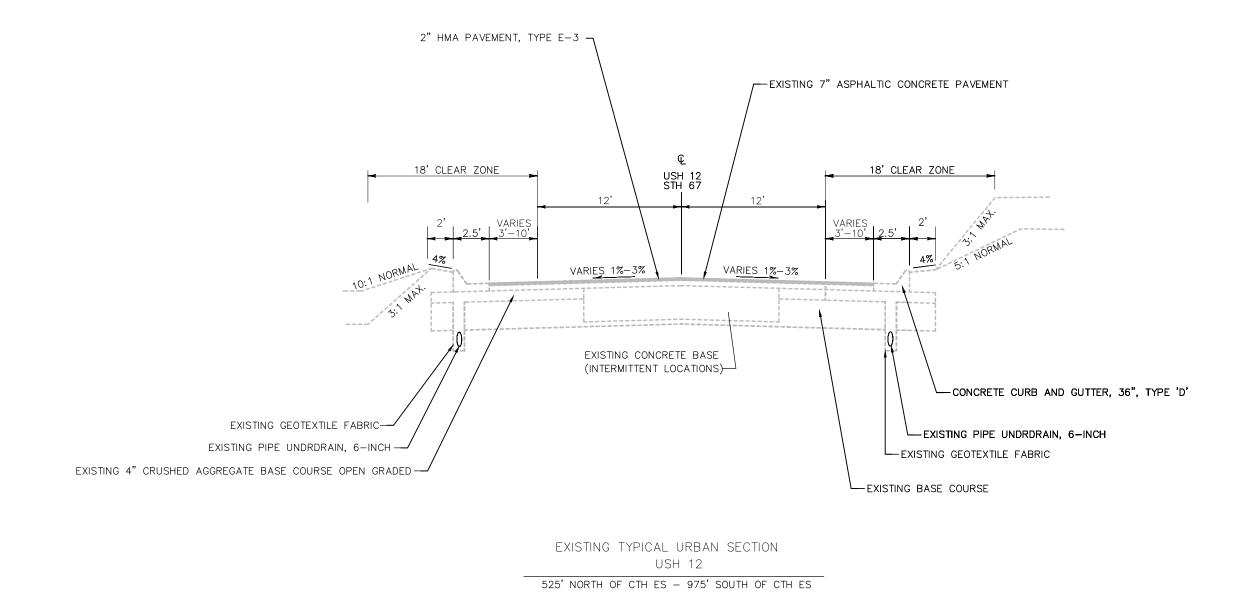
PLOT SCALE : 1 IN:10 FT



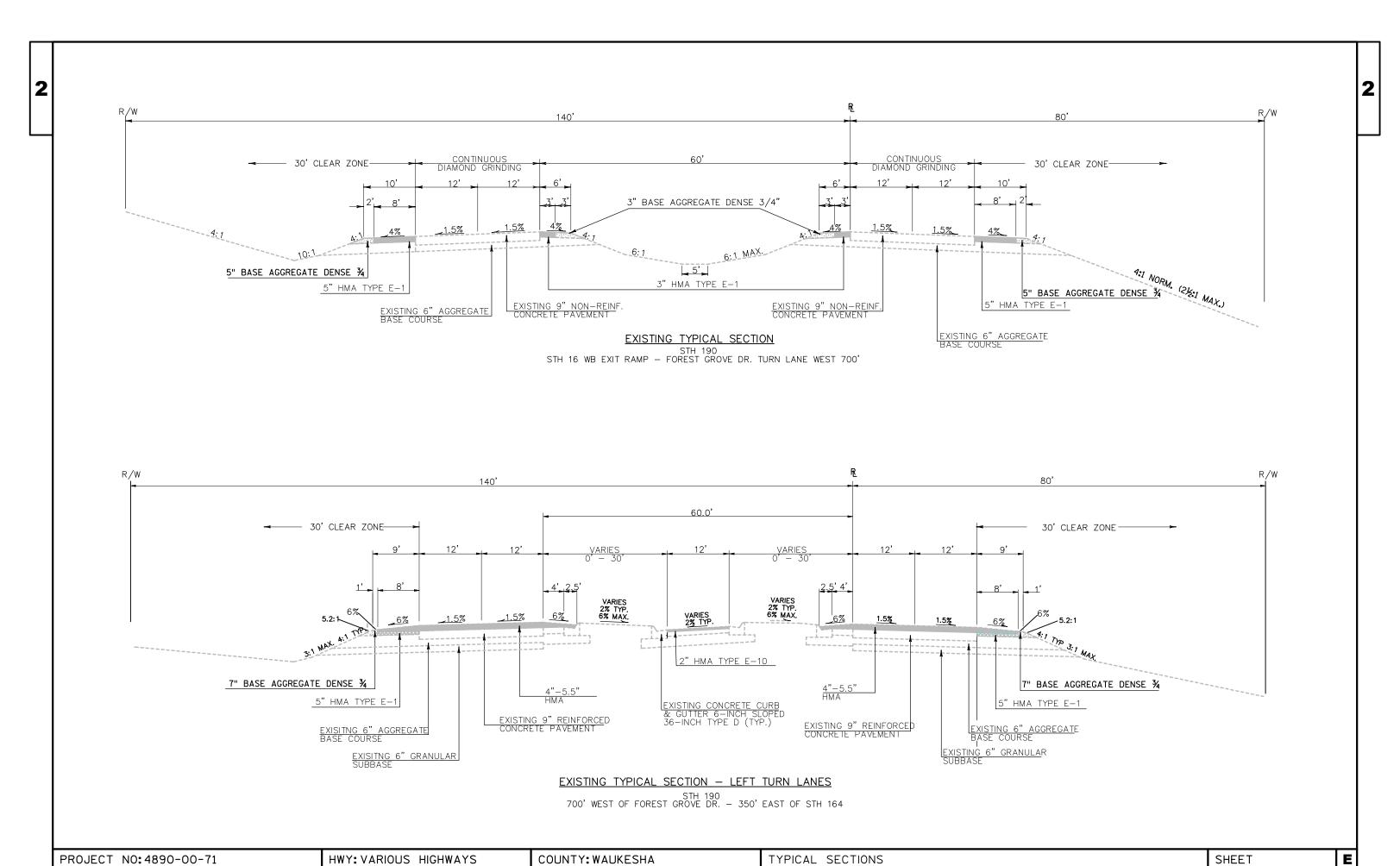




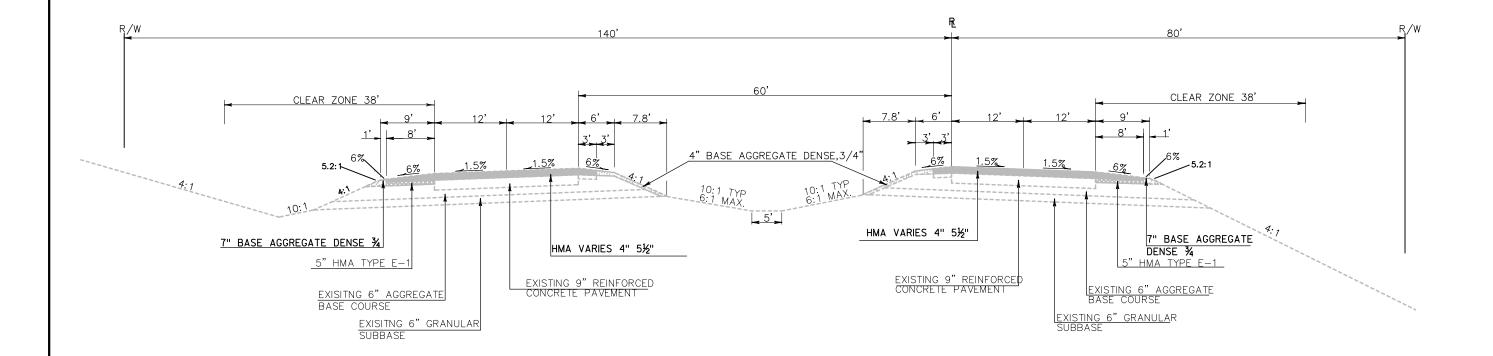




PROJECT NO: 4890-00-71 HWY: VARIOUS HIGHWAYS COUNTY: WALWORTH SHEET Ε TYPICAL SECTIONS PLOT BY : HAYNES, RONNIE



2

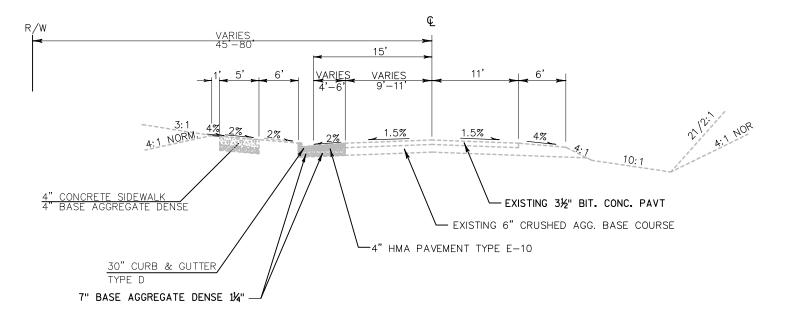


FINISHED TYPICAL SECTION

STH 190

350' EAST OF STH 164 - 150' EAST OF FIVE FIELDS RD.

PROJECT NO:4890-00-71 HWY:VARIOUS HIGHWAYS COUNTY:WAUKESHA TYPICALS SECTIONS SHEET **E**

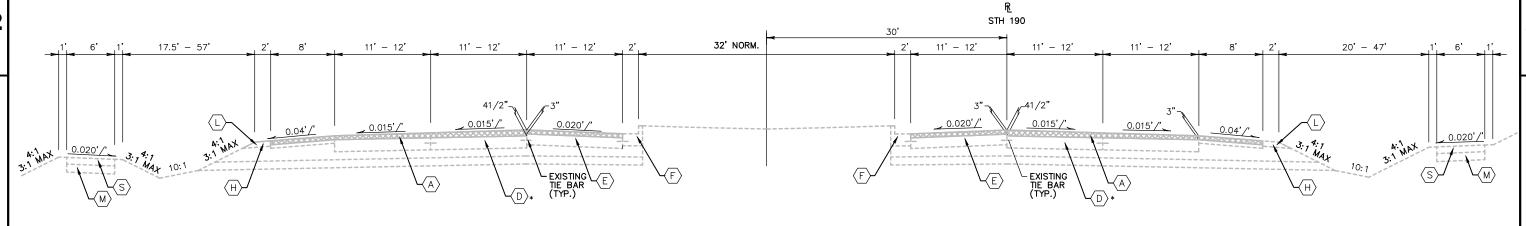


EXISTING TYPICAL SECTION

AT CECELIA DRIVE

PROJECT NO:4890-00-71 HWY:VARIOUS HIGHWAYS COUNTY:WAUKESHA TYPICAL SECTIONS SHEET **E**



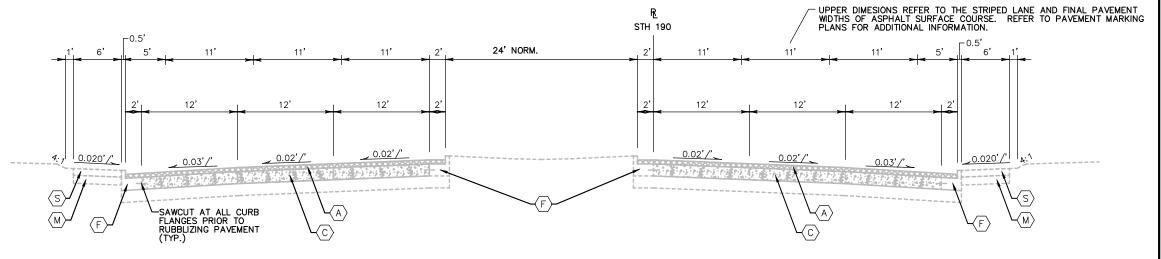


EXISTING TYPICAL SECTION STH 190 - MAINLINE

LEGEND - TYPICAL FINISHED SECTION

800' WEST OF BROOKFILED RD. - 500' WEST OF 145TH ST.

- 4" HMA PAVEMENT, TYPE E-3 OVERLAY
- $\langle \mathsf{B} \rangle$ 13/4" HMA PAVEMENT, TYPE E-3 OVERLAY
- $\langle c \rangle$ RUBBLIZE EXISTING 7" - 8"
- EXISTING 9" P.C. REINFORCED CONCRETE
- $\langle E \rangle$ EXISTING 8" P.C. REINFORCED CONC.
- EXISTING CURB & GUTTER
- $\langle G \rangle$ EXISTING CONCRETE WALK
- $\langle H \rangle$ SHAPING SHOULDERS
- 4" HMA PAVEMENT, TYPE E-3
- 61/4" HMA PAVEMENT, TYPE E-3
- CONCRETE BASE 8-INCH
- 3" MIN BASE AGGREGATE DENSE, 3/4-INCH (FDM 14-5-1)
- 4" BASE AGGREGATE DENSE, 1 1/4-INCH
- $\langle N \rangle$ 6" BASE AGGREGATE DENSE, 1 1/4-INCH
- 12" BASE AGGREGATE DENSE, 1 1/4-INCH
- CONCRETE CURB & GUTTER 36-INCH
- $\langle Q \rangle$ CONCRETE CURB & GUTTER 30-INCH
- 9" CONCRETE CORRUGATED MEDIAN
- $\langle S \rangle$ CONCRETE SIDEWALK 5-INCH
- $\langle T \rangle$ RETAINING WALL
- RUBBLIZED EXISTING CONCRETE PAVEMENT
- * NOTE: EXISTING CONCRETE BASE SLOPE = 0.01'/'.
 ASPHALT WEDGING WAS CONSTRUCTED TO
 OBTAIN 0.015'/' SURFACE CROSS SLOPE.
- * NOTE: ASPHALT WEDGING EXISTS WITHIN THE PROJECT CORRIDOR.
 CONTRACTOR SHALL REMOVE THE TOP 4" OF PAVEMENT, WHICH
 MAY OR MAY NOT INCLUDE APPROXIMATELY 1" REMOVING
 CONCRETE SURFACE PARTIAL DEPTH. EXISTING ASPHALT
 THICKNESS VARIES BETWEEN 3" AND 41/2" DUE TO WEDGING.



EXISTING TYPICAL SECTION

STH 190 - MAINLINE

500' WEST OF 145TH ST. - 124TH ST.

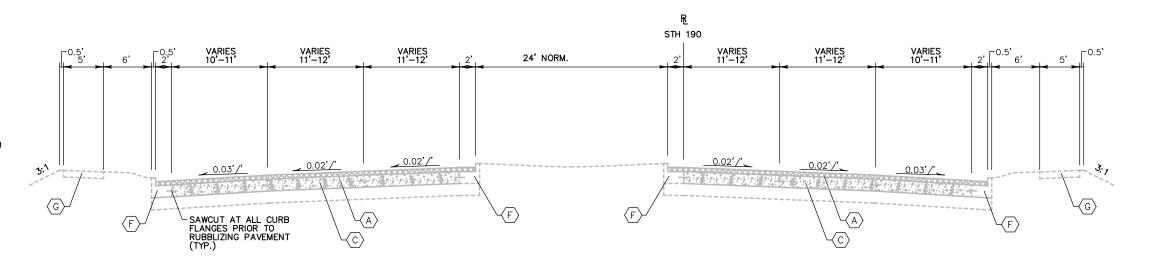
COUNTY: WAUKESHA E PROJECT NO: 4890-00-71 HWY: VARIOUS HIGHWAYS TYPICAL SECTIONS SHEET PLOT NAME :

WISDOT/CADDS SHEET 42

<u>LEGEND - TYPICAL FINISHED SECTION</u>

- ** $\langle A \rangle$ 4" HMA PAVEMENT, TYPE E-3 OVERLAY
 - 13/4" HMA PAVEMENT, TYPE E-3 OVERLAY
 - RUBBLIZE EXISTING 7" 8"
- EXISTING 9" P.C. REINFORCED CONCRETE
- EXISTING 8" P.C. REINFORCED CONC.
- EXISTING CURB & GUTTER
- EXISTING CONCRETE WALK
- SHAPING SHOULDERS
- 4" HMA PAVEMENT, TYPE E-3
- 61/4" HMA PAVEMENT, TYPE E-3
- CONCRETE BASE 8-INCH
- 3" MIN BASE AGGREGATE DENSE, 3/4-INCH (FDM 14-5-1)
- 4" BASE AGGREGATE DENSE, 1 1/4-INCH
- 6" BASE AGGREGATE DENSE, 1 1/4-INCH
- 12" BASE AGGREGATE DENSE, 1 1/4-INCH
- CONCRETE CURB & GUTTER 36-INCH
- $\langle Q \rangle$ CONCRETE CURB & GUTTER 30-INCH
- 9" CONCRETE CORRUGATED MEDIAN
- CONCRETE SIDEWALK 5-INCH
- RETAINING WALL
- RUBBLIZED EXISTING CONCRETE PAVEMENT
- * NOTE: EXISTING CONCRETE BASE SLOPE = 0.01'/'.
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- * * NOTE: ASPHALT WEDGING EXISTS WITHIN THE PROJECT CORRIDOR.

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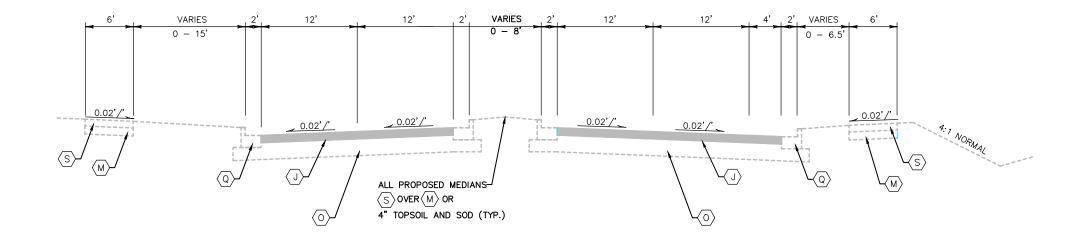


EXISTING TYPICAL SECTION STH 190 - MAINLINE AT FIVE FIELDS RD.

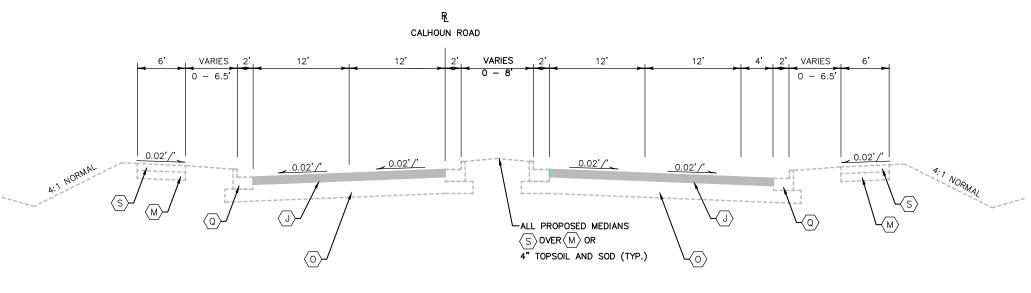
PROJECT NO: 4890-00-71 E HWY: VARIOUS HIGHWAYS COUNTY: WAUKESHA TYPICAL SECTIONS SHEET PLOT SCALE : 1 IN:10 FT

LEGEND - TYPICAL FINISHED SECTION

- $** \langle A \rangle$ 4" HMA PAVEMENT, TYPE E-3 OVERLAY
 - B 13/4" HMA PAVEMENT, TYPE E-3 OVERLAY
 - C RUBBLIZE EXISTING 7" 8"
- * (D) EXISTING 9" P.C. REINFORCED CONCRETE
- $\langle E \rangle$ EXISTING 8" P.C. REINFORCED CONC.
- F EXISTING CURB & GUTTER
- G EXISTING CONCRETE WALK
- H SHAPING SHOULDERS
- 4" HMA PAVEMENT, TYPE E-3
- $\langle J \rangle$ 61/4" HMA PAVEMENT, TYPE E-3
- K CONCRETE BASE 8-INCH
- $\langle L \rangle$ 3" MIN BASE AGGREGATE DENSE, 3/4-INCH (FDM 14-5-1)
- M 4" BASE AGGREGATE DENSE, 1 1/4-INCH
- N 6" BASE AGGREGATE DENSE, 1 1/4-INCH
- (O) 12" BASE AGGREGATE DENSE, 1 1/4-INCH
- ⟨P⟩ CONCRETE CURB & GUTTER 36-INCH
- Q CONCRETE CURB & GUTTER 30-INCH
- R 9" CONCRETE CORRUGATED MEDIAN
- S CONCRETE SIDEWALK 5-INCH
- $\langle \top \rangle$ RETAINING WALL
- U RUBBLIZED EXISTING CONCRETE PAVEMENT
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 THICKNESS VARIES BETWEEN 3" AND 41/2" DUE TO WEDGING.



EXISTING TYPICAL SECTION AT CALHOUN ROAD

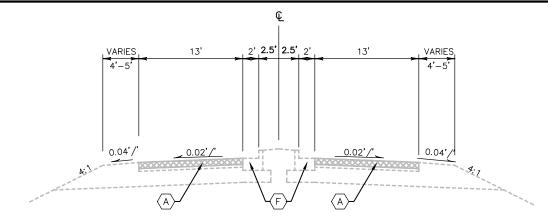


EXISTING TYPICAL SECTION
AT CALHOUN ROAD

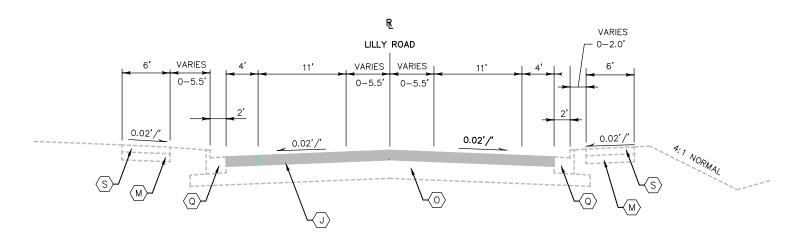
PROJECT NO:4890-00-71 HWY: VARIOUS HIGHWAYS COUNTY: WAUKESHA TYPICAL SECTIONS SHEET **E**

LEGEND - TYPICAL FINISHED SECTION

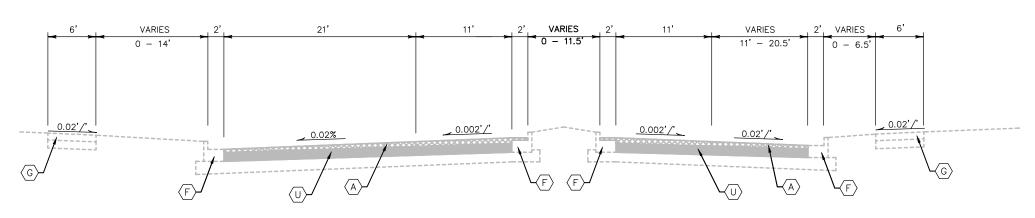
- 4" HMA PAVEMENT, TYPE E-3 OVERLAY
- 13/4" HMA PAVEMENT, TYPE E-3 OVERLAY
- RUBBLIZE EXISTING 7" 8"
- EXISTING 9" P.C. REINFORCED CONCRETE
- EXISTING 8" P.C. REINFORCED CONC.
- EXISTING CURB & GUTTER
- EXISTING CONCRETE WALK
- SHAPING SHOULDERS
- 4" HMA PAVEMENT, TYPE E-3
- 61/4" HMA PAVEMENT, TYPE E-3
- CONCRETE BASE 8-INCH
- 3" MIN BASE AGGREGATE DENSE, 3/4-INCH (FDM 14-5-1)
- 4" BASE AGGREGATE DENSE, 1 1/4-INCH
- 6" BASE AGGREGATE DENSE, 1 1/4-INCH
- 12" BASE AGGREGATE DENSE, 1 1/4-INCH
- CONCRETE CURB & GUTTER 36-INCH
- CONCRETE CURB & GUTTER 30-INCH
- 9" CONCRETE CORRUGATED MEDIAN
- CONCRETE SIDEWALK 5-INCH
- RETAINING WALL
- RUBBLIZED EXISTING CONCRETE PAVEMENT
- * NOTE: EXISTING CONCRETE BASE SLOPE = 0.01'/'.
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 THICKNESS VARIES BETWEEN 3" AND 41/2" DUE TO WEDGING.



EXISTING TYPICAL SECTION AT PILGRIM ROAD



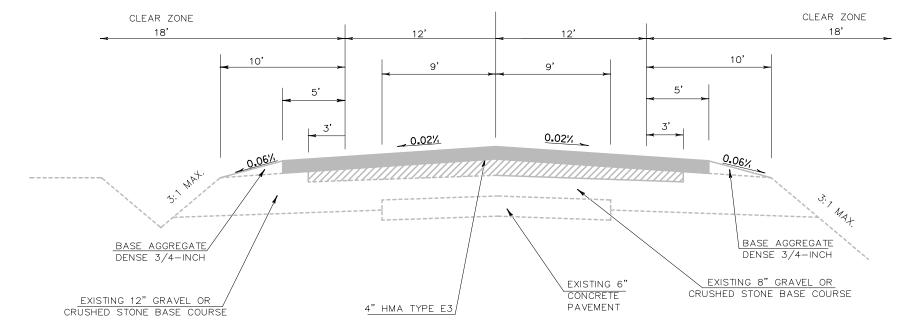
EXISTING TYPICAL SECTION AT LILLY ROAD



EXISTING TYPICAL SECTION AT 124TH STREET

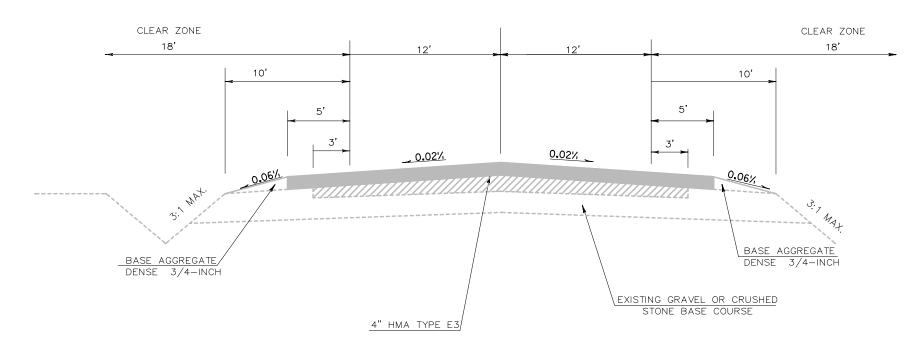
PROJECT NO: 4890-00-71 COUNTY: WAUKESHA HWY: VARIOUS HIGHWAYS TYPICAL SECTIONS SHEET E





EXISTING TYPICAL SECTION STH 59

450' SOUTH OF CHRISTOPHER DT. - 400' NORTH OF MORRISSEY DR.



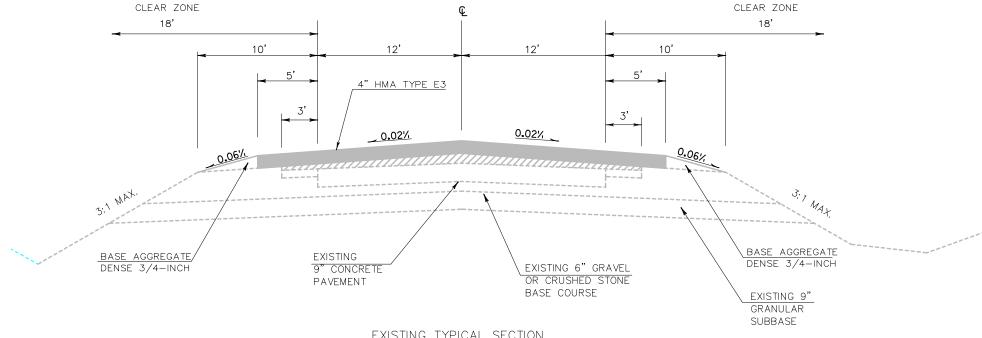
EXISTING TYPICAL SECTION

445' NORTH OF SOUTH OAKRIDGE DR. - 450' SOUTH CHRISTOPHER DR.

PROJECT NO: 4890-00-71	HWY: VARIOUS HIGHWAYS	COUNTY: WAUKESHA	TYPICAL SECTIONS		SHEET	E
EU E 1111 E 11 1 EDG(07D) 01D) 100000011 000701 TO DWO		51.07 51.75 1 70 0015 10 01	5: 67 51/	DIOT NAME -	 ·	_

2

|2



EXISTING TYPICAL SECTION STH 59

450' NORTH OF MORRISSEY TO STH 83 NORTH OF STH 83 TO CTH X

PROJECT NO:4890-00-71 HWY:VARIOUS HIGHWAYS COUNTY:WAUKESHA TYPICAL SECTIONS SHEET **E**

- FILL CRACK WITH CRACK SEAL MATERIAL PAID UNDER SPV. 0085.01 AS DESCRIBED IN SPECIAL PROVISIONS VAR. 0.25"-1.5" 'EXISTING HMA ' EXISTING HMA Δ , Δ , LONGITUDINAL AND / OR TRANSVRSE CRACK SEALING - DETAIL HWY: VARIOUS HIGHWAY COUNTY: SOUTHEAST REGION WIDE CONSTRUCTION DETAIL E PROJECT NO: 4890-00-71 SHEET

FILE NAME :N:\PDS\C3D\CAD\48900001\021001_CD.DWG PLOT BY : HAYNES, RONNIE PLOT NAME :PLOT SCALE :1 IN:10 FT WISDOT/CADDS SHEET 42

DATE 05 LINE	5MAY15	E S T	ГІМАТ	E O F Q U A N	NTITIES 4890-00-71
NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
0010	213. 0100	Finishing Roadway (project) 01. 4890-00-71	EACH	1. 000	1. 000
0020	619. 1000	Mobilization	EACH	1. 000	1. 000
0030	643. 0100	Traffic Control (project) 01. 4890-00-71	EACH	1. 000	1. 000
0040	643.0300	Traffic Control Drums	DAY	2, 415. 000	2, 415. 000
0050	643. 0420	Traffic Control Barricades Type III	DAY	178. 000	178. 000
0060	643. 0705	Traffic Control Warning Lights Type A	DAY	237. 000	237. 000
0070	643.0800	Traffic Control Arrow Boards	DAY	33.000	33.000
0800	643.0900	Traffic Control Signs	DAY	262.000	262.000
0090	643. 1050	Traffic Control Signs PCMS	DAY	8.000	8. 000
0100	646. 0106	Pavement Marking Epoxy 4-Inch	LF	782, 522. 000	782, 522. 000
0110	646. 0126	Pavement Marking Epoxy 8-Inch	LF	350.000	350. 000
0120	SPV. 0085	Special O1. CRACK SEALING MODIFIED	LB	130, 791. 000	130, 791. 000
0130	SPV. 0085	Special O2. ROUT AND SEAL MODIFIED	LB	108, 893, 000	108, 893. 000

CRACK SEALING

LIMIT		LIMIT	HIGHWAY	NUMBER OF LANES	LENGTH (LF)	SPV.0085.01 CRACK SEALING MODIFIED (LB)	SPV.0085.02 ROUT AND SEAL MODIFIED (LB)
GEHRING RD	_	RACINE CO. LINE	STH 32	2	12,642		4,214.00
RACINE CO. LINE	-	FOREST HILL AVE	STH 32	2	39,928	9,982	
CTH W		STH 20	STH 36	4	67,126		22,375
STH 20	_	STH 164	STH 36	4	65,575		21,858
STH 164	-	CTH Y	STH 36	4	181,335		60,445
N. PRAIRIE	_	STH 83	STH 59	2	27,352	6,838	
STH 83	-	CTH X	STH 59	2	52,371	13,093	
OAK CT	-	STH 20	STH 67	2	105,348	26,337	
CTH J	-	194	STH 142	2	109,958	27,490	
STH 16	_	5 FIELDS DR	STH 190	4	59,122	14,781	
BROOKFIELD RD	-	124TH	STH 190	6	102,564	25,641	
124TH		STH 100	STH 190	6	26,520	6,630	
TOTAL					0.40.0.44	420.704	400.000
TOTAL					849,841	130,791	108,893

PROJECT NO: 4890-00-71 HWY: VAR	RIOUS COUNTY: SE Region Wide	MISCELLANEOUS QUANTITIES	SHEET:	Е
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FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : ____ PLOT SCALE : 1:1

TRAFFIC CONTROL

LIMIT	-	LIMIT	HIGHWAY	LANES BEING CLOSED	PROJECT LENGTH (LF)	APPROX. DAYS CLOSED	643.0300 DRUMS (DAY)	643.0420 BARRICADES TYPE III (DAY)	643.0715 WARNING LIGHTS TYPE C (DAY)	643.0800 ARROW BOARDS (DAY)	643.0900 SIGNS (DAY)	643.1050 SIGNS PCMS
GEHRING RD	-	FOREST HILL AVE	STH 32	1	27,920	1					8	
CTH W	-	СТН Ү	STH 36	1	47,450	6	1,200	72	84	12	66	
N. PRAIRIE	-	СТН Х	STH 59	1	36,821	3					24	
OAK CT	-	STH 20	STH 67	1	31,350	3					24	
CTH J	-	194	STH 142	1	64,475	4					32	
STH 16 BROOKFIELD RD	-	5 FIELDS DR STH 100	STH 190 STH 190	1 2	10,214 27,075	3 5	315 900	21 85	33 120	6 15	33 75	3 5
TOTALS						25	2415	178	237	33	262	8

PROJECT NO: 4890-00-71	HWY: VARIOUS	COUNTY: SE Region Wide	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

PAVEMENT MARKING ITEMS

				646.0106 PAVEMENT MARKING EPOXY 4- INCH (SOLID WHITE)	646.0106 PAVEMENT MARKING EPOXY 4- INCH (DASHED WHITE)	646.0106 PAVEMENT MARKING EPOXY 4- INCH (SOLID YELLOW)	646.0106 PAVEMENT MARKING EPOXY 4-INCH (DASHED YELLOW)	646.0126 PAVEMENT MARKING EPOXY 8- INCH (SOLID WHITE)
LIMIT	LIMIT	HIGHWAY	NUMBER OF LANES	LF	LF	LF	LF	LF
GEHRING RD	 RACING CO. LINE	STH 32	2	4,515		4,515	2140	
RACINE CO. LINE	 FOREST HILL AVE	STH 32	2	14,260	90	14,260	6,300	350
CTH W	 STH 20	STH 36	4	21,550	5,172	21,550		
STH 20	 STH 164	STH 36	4	15,250	3,660	15,250		
STH 164	 CTH Y	STH 36	4	47,100	11,304	47,100		
N. PRAIRIE	 STH 83	STH 59	2	23,180		11,590	1,159	
STH 83	CTH X	STH 59	2	46,346		20,856	2,086	
OAK CT	 STH 20	STH 67	2	62,700		62,700	6,270	
СТН Ј	 l 94	STH 142	2	128,950		64,475	6,448	
STH 16	 5 FIELDS DR	STH 190	4	10,094	10,214	10,214		
BROOKFIELD RD	 124TH	STH 190	6	22,200	22,200	22,200		
124TH	 STH 100	STH 190	6	4,875	4,875	4,875		
SUB-TOTAL				401,020	57,515	299,585	24,402	350
TOTALS				782,522				350

PR	ROJECT NO: 4890-00-71	HWY: VARIOUS	COUNTY: SE Region Wide	MISCELLANEOUS QUANTITIES	SHEET:	Ε
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FILE NAME : _____ PLOT BY : ____ PLOT NAME : ____ PLOT SCALE : 1:1

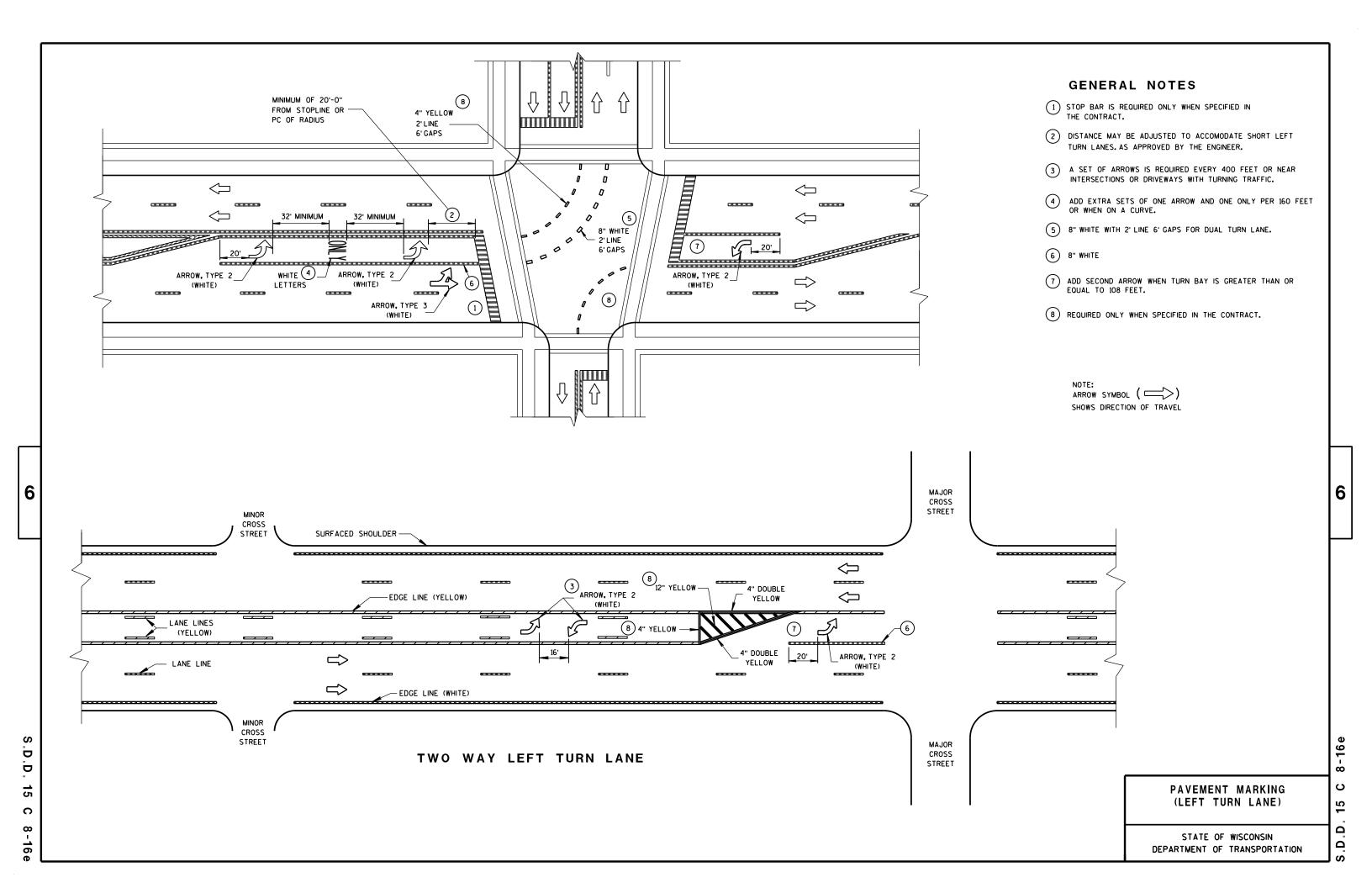
Standard Detail Drawing List

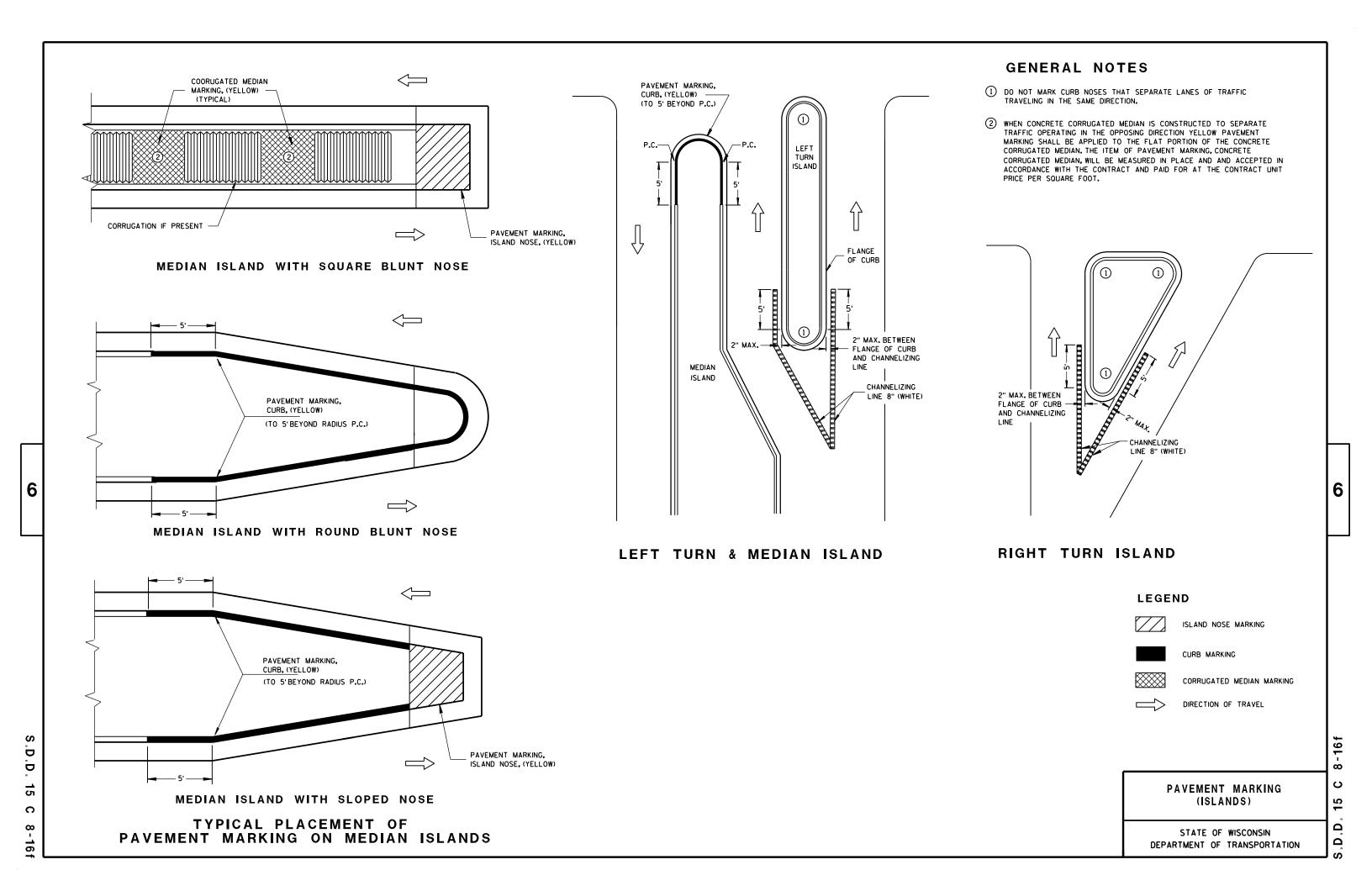
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-02B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-05	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01B	LANE DROP PAVEMENT MARKING
15C31-01C	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D12-03	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-02	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-02	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-02	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE

6

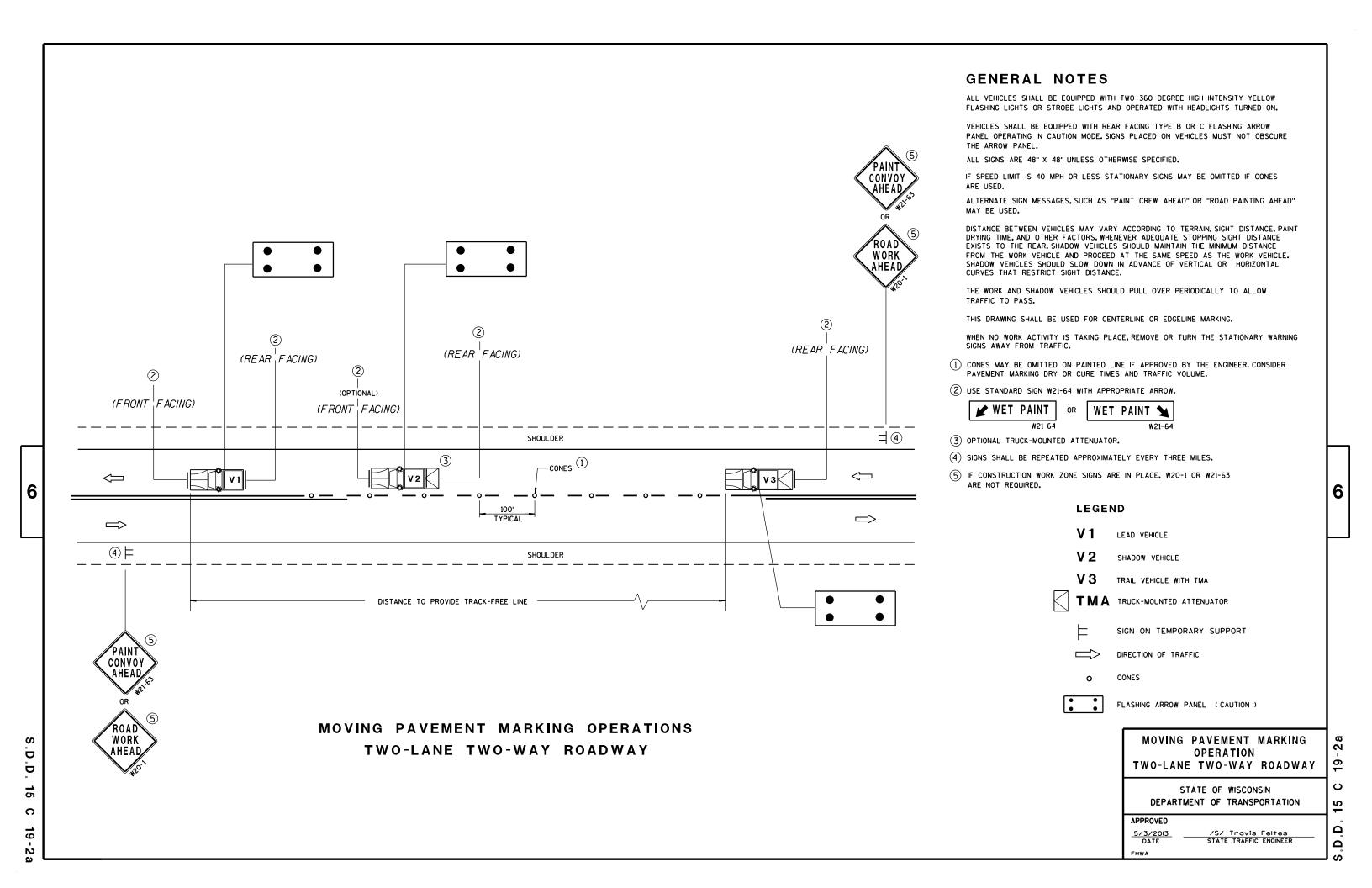


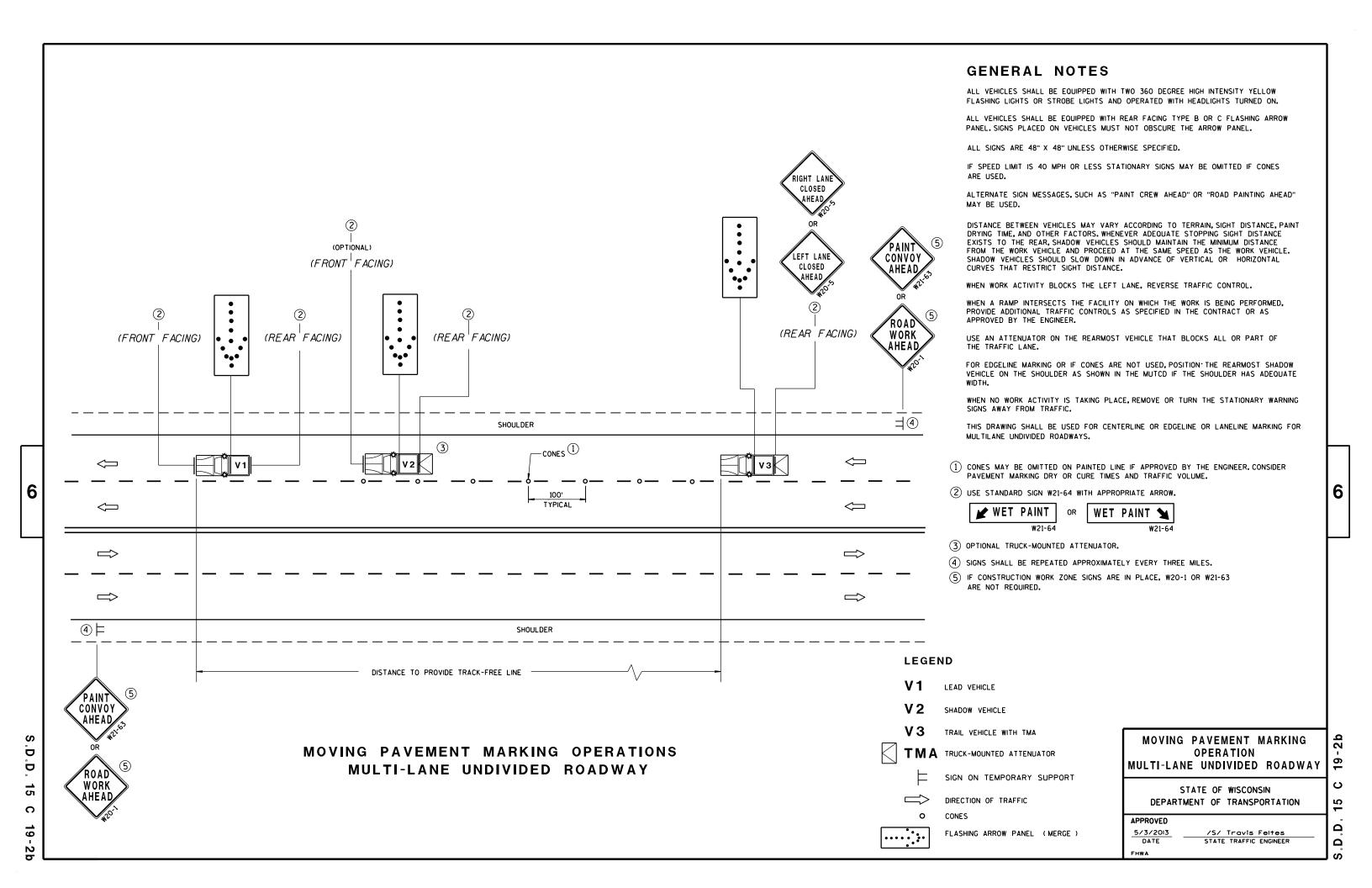


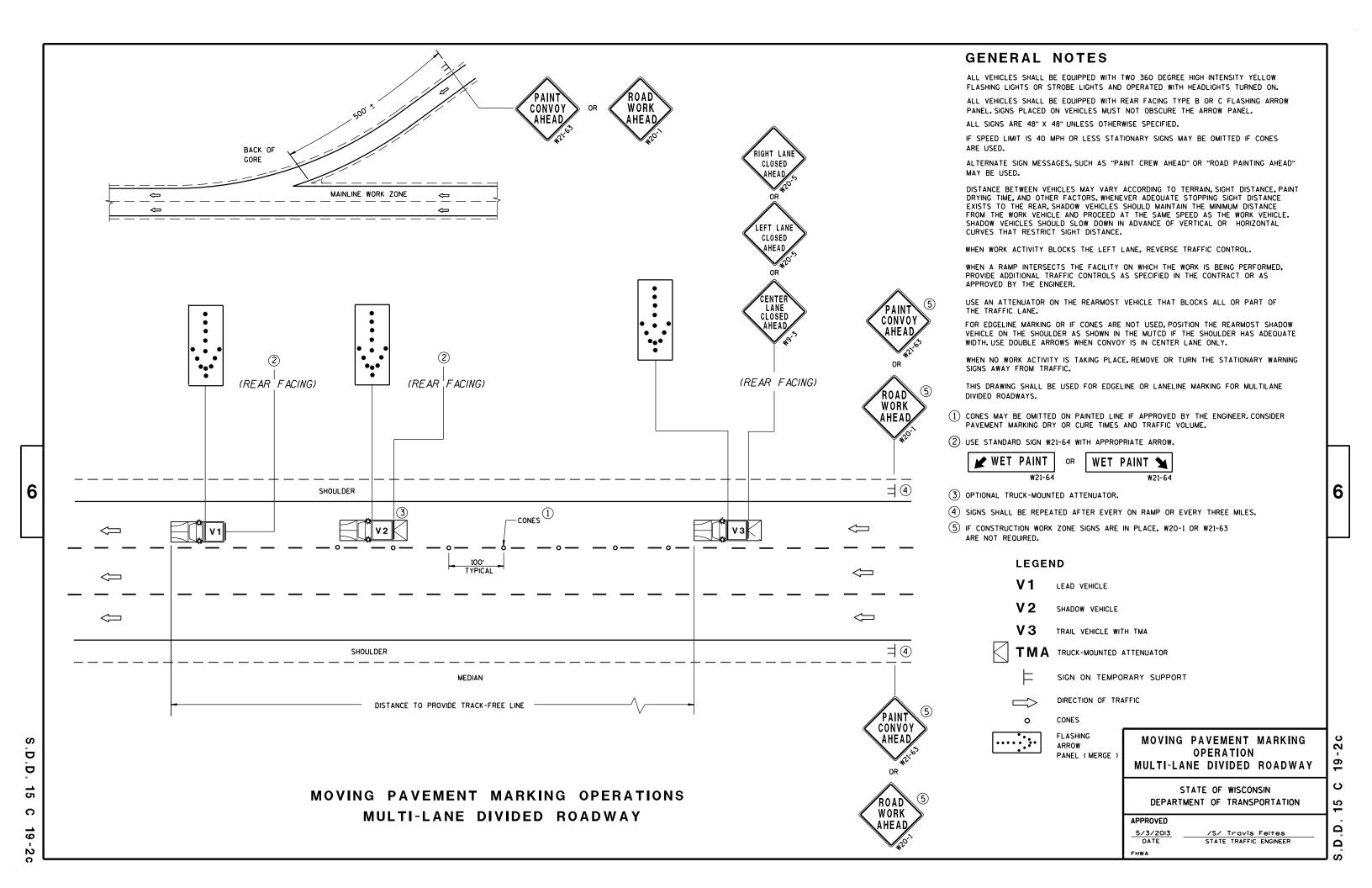


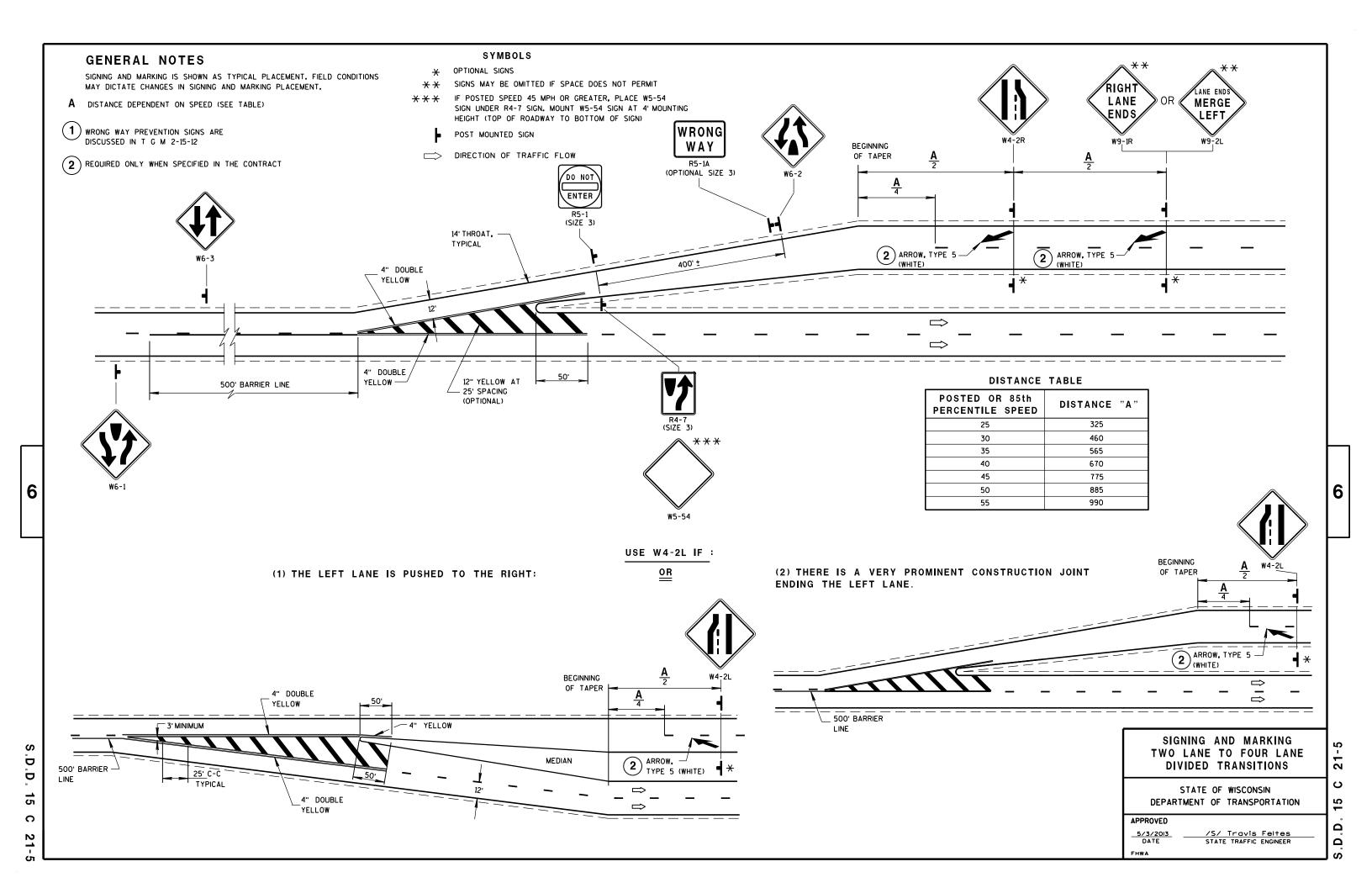


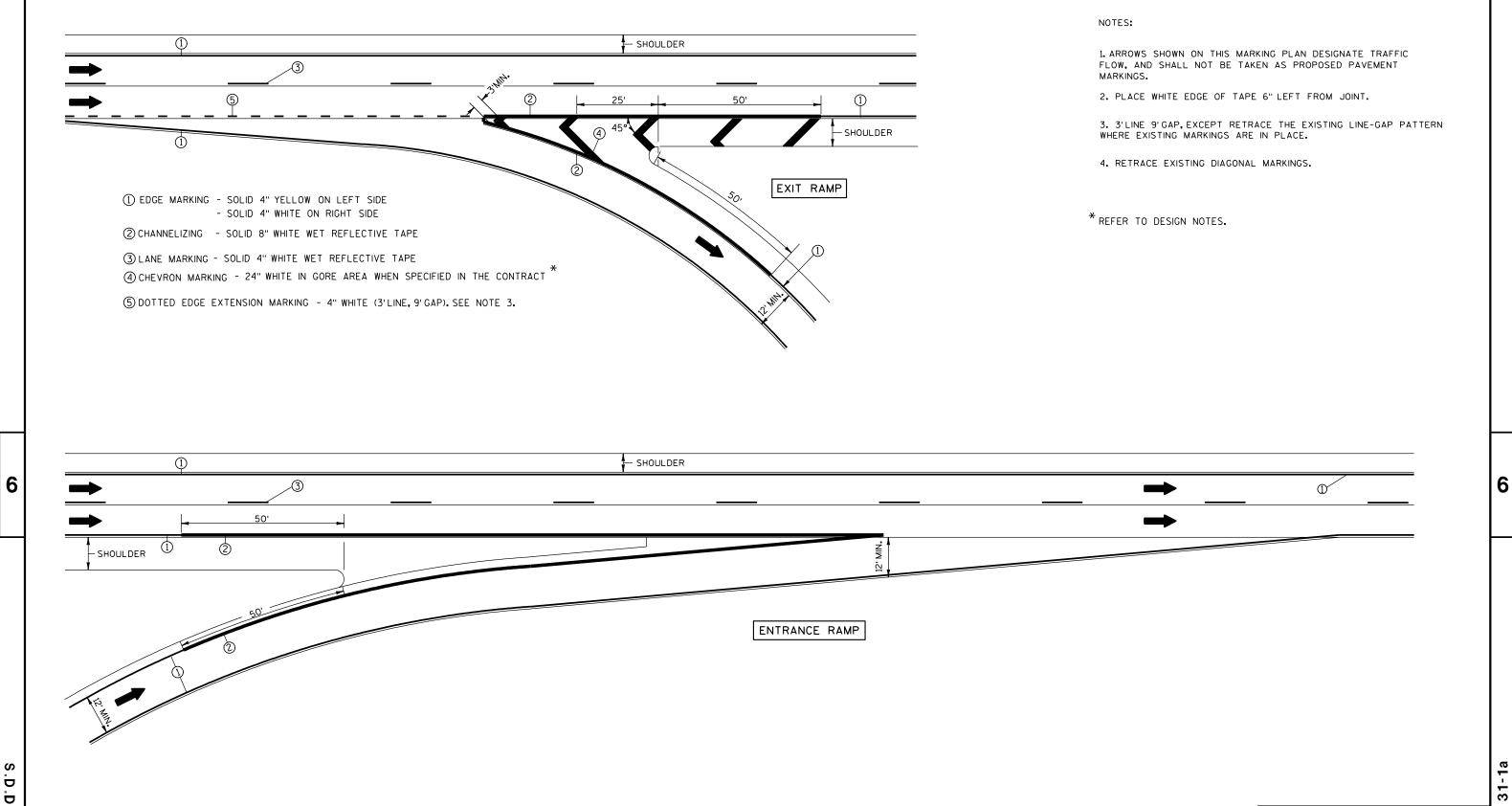










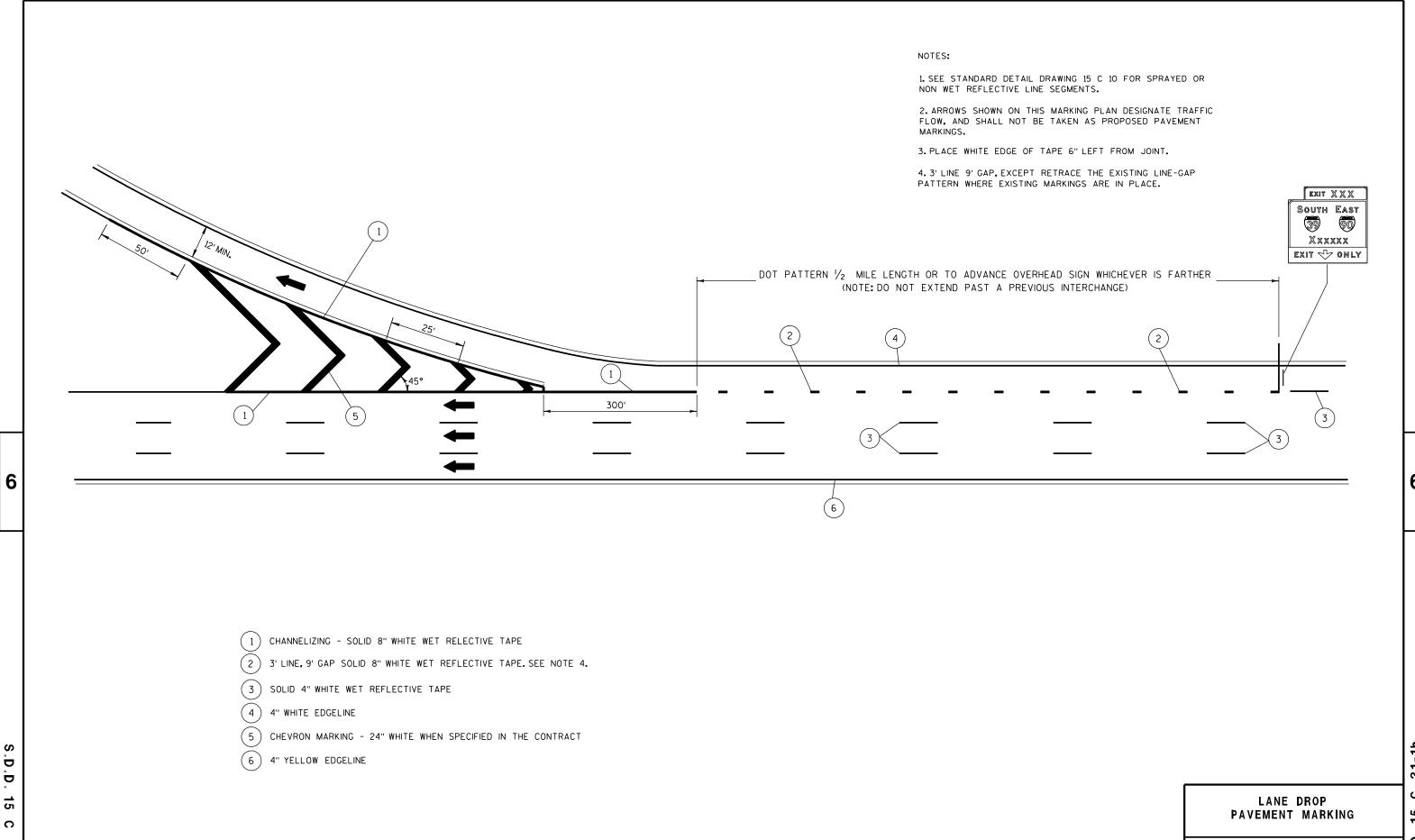


C

3.D.D. 15 C 31-1a

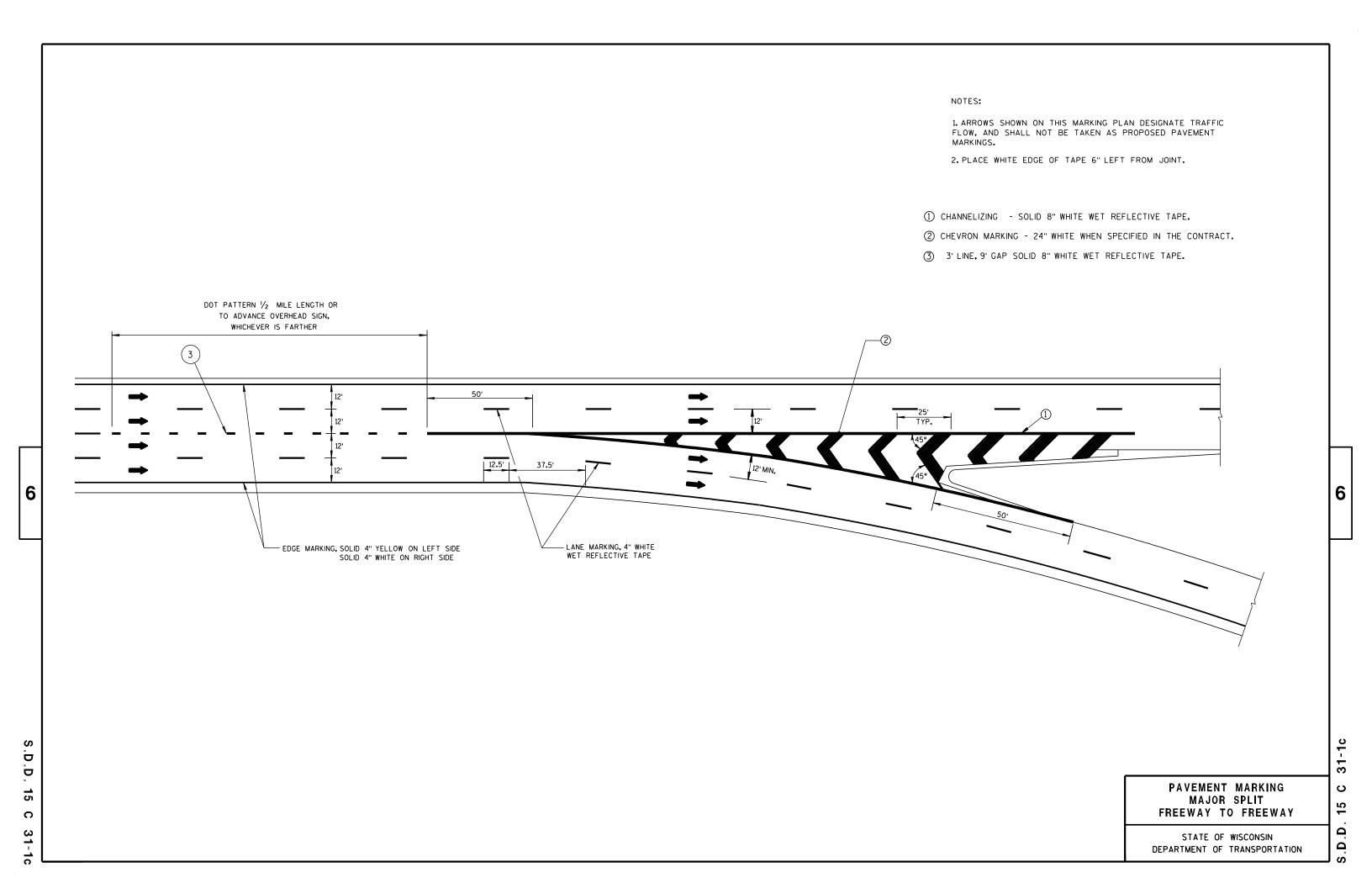
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

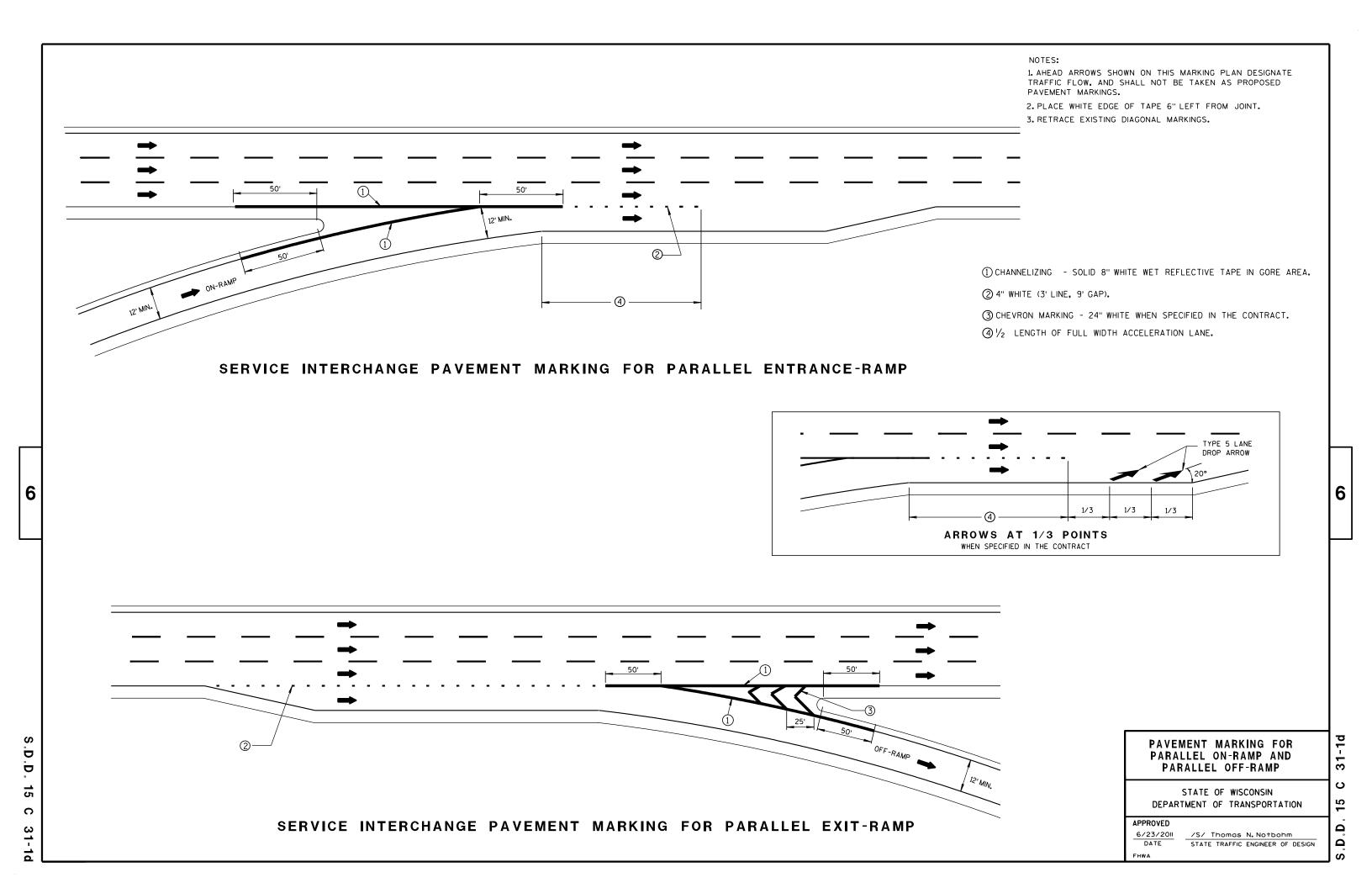
PAVEMENT MARKING (RAMPS AND GORES)

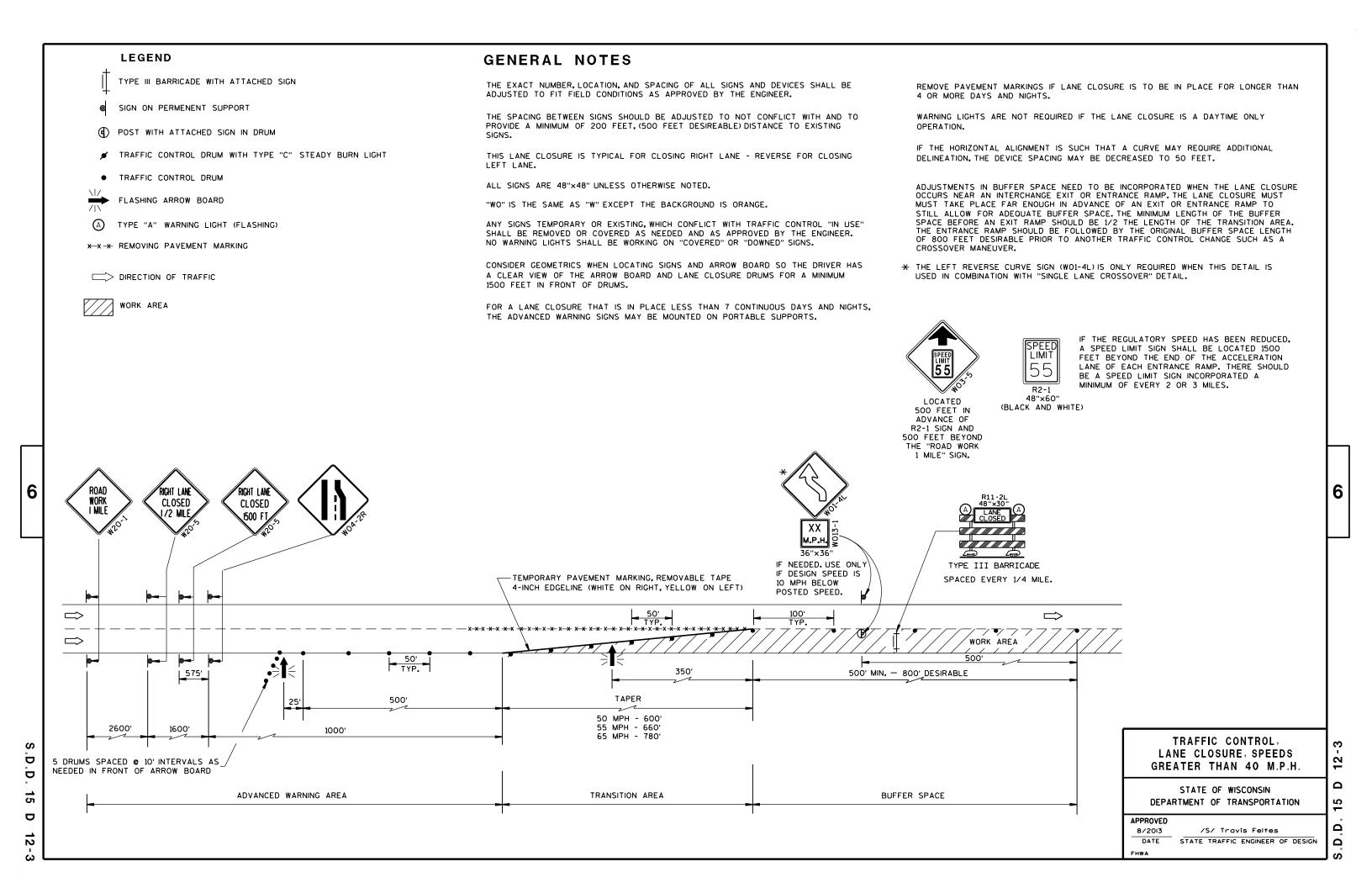


3.D.D. 15 C 31-1b

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION







LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TRAFFIC CONTROL DRUM

SIGN ON PERMANENT SUPPORT

(A) TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

16

GENERAL NOTES

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

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 MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS 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.

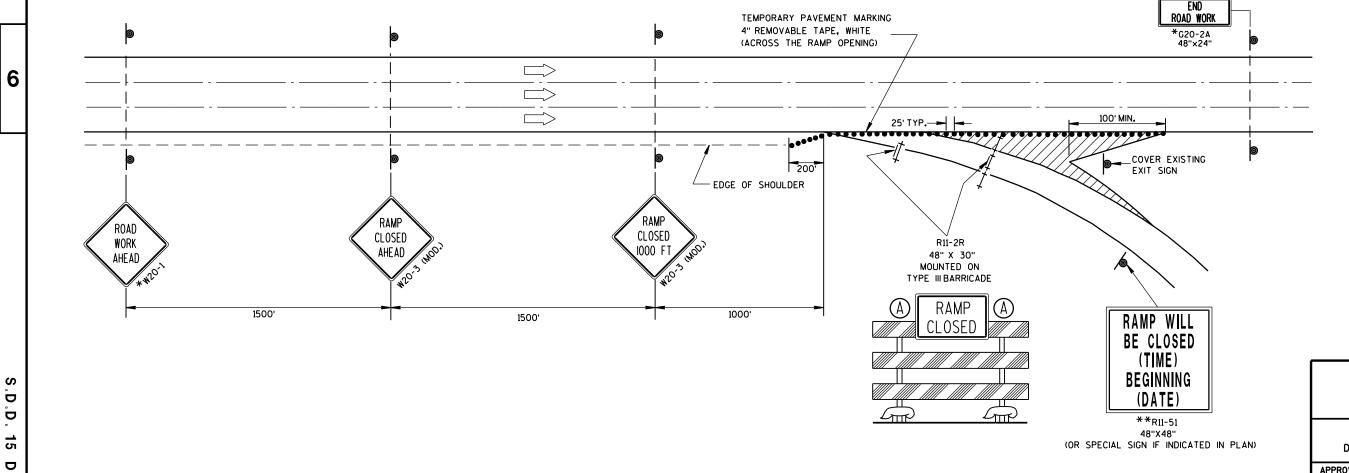
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

*W20-1AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

8/2013

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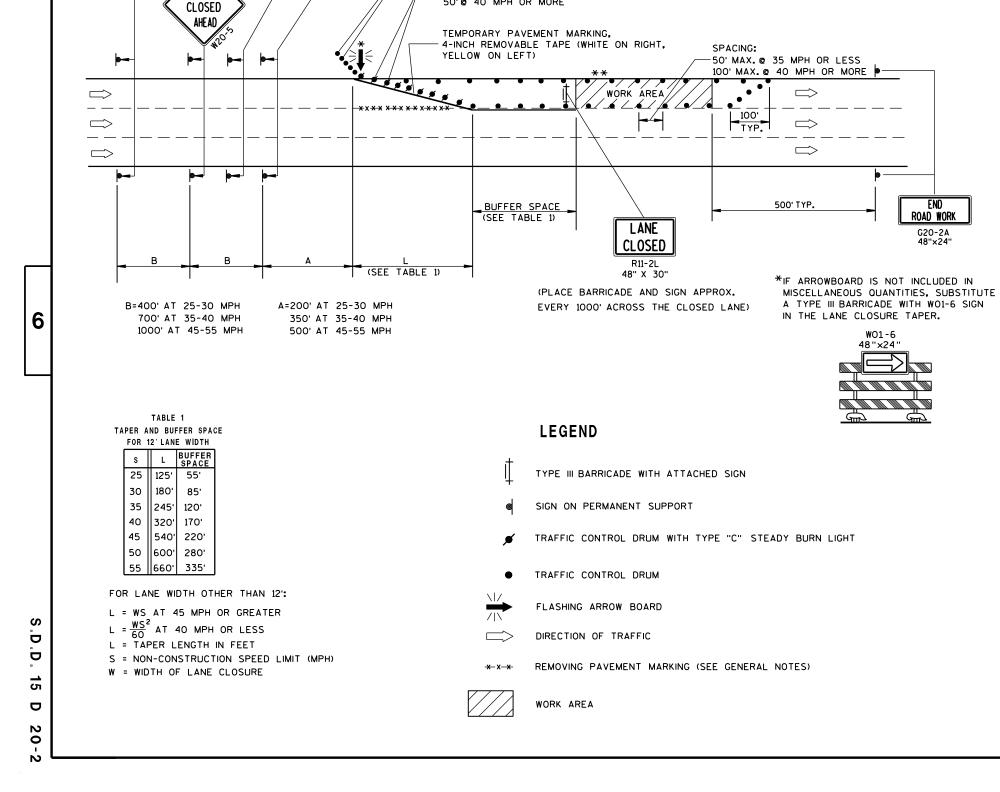
DATE

STATE TRAFFIC ENGINEER OF DESIGN
FHWA

15 D 16-2

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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

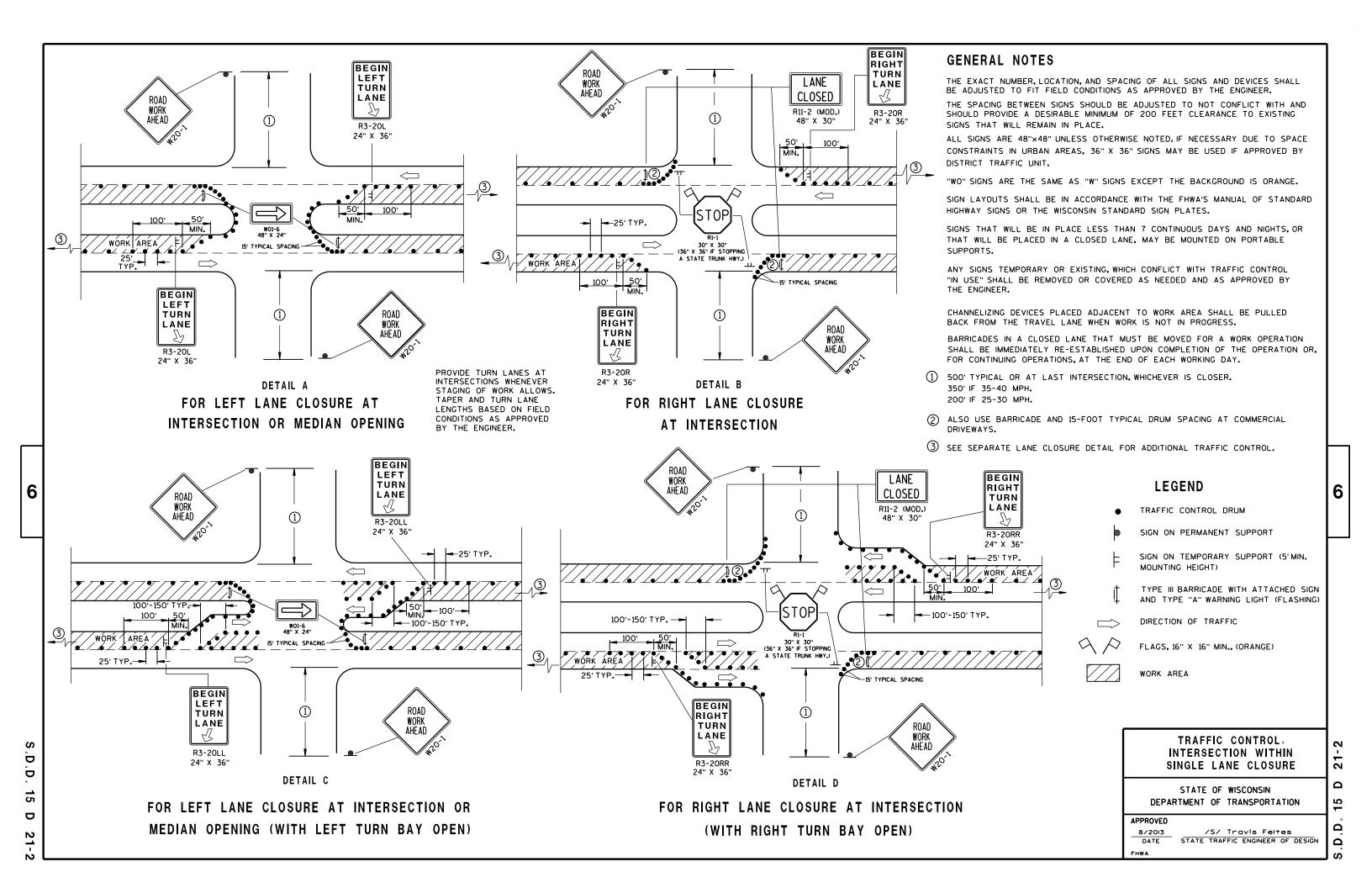
STATE OF WISCONSIN
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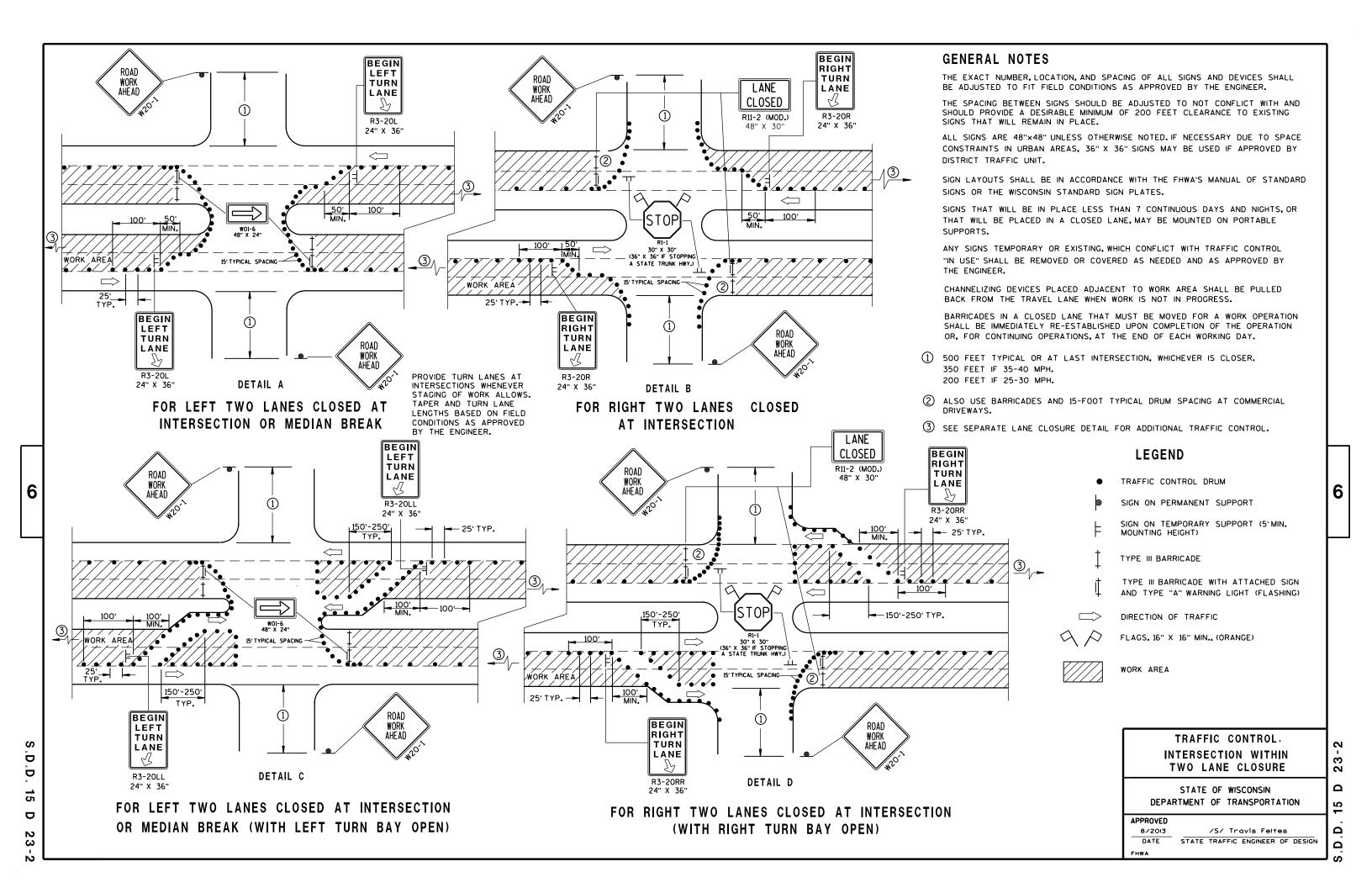
APPROVED

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.

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