FEDERAL PROJECT **MAD MAY 2016** STATE PROJECT PROJECT CONTRACT **STATE OF WISCONSIN** ORDER OF SHEETS WISC 2015568 1066-02-61 Section No. **DEPARTMENT OF TRANSPORTATION** Section No. Project Overview PREVENTATIVE MAINTENANCE PROJECT Estimate of Quantities Section No. Miscellaneous Quantities Section No. **MADISON - OCONOMOWOC** Traffic Control & Construction Staging 066-02-61 Section No. Standard Detail Drawings Section No. (CTH N TO E. JEFFERSON COUNTY LINE) TOTAL SHEETS = 36 1-94 **DANE / JEFFERSON COUNTIES** END PROJECT **BEGIN PROJECT LOG MILE 278.8** LOG MILE 246 STATE PROJECT NUMBER 1066-02-61 R-10-E T-8-N DESIGN DESIGNATION = 40.819 A.A.D.T. (2013) A.A.D.T. = N/A T-7-N D.H.V. = N/A D.D. = N/A = N/A DESIGN SPEED = N/A **ESALS** = N/A DANE CONVENTIONAL SYMBOLS PROFILE GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE E (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH STATE OF WISCONSIN **FFERSON** EXISTING RIGHT OF WAY DEPARTMENT OF TRANSPORTATION GRADE ELEVATION PROPOSED OR NEW R/W LINE Coordinates on this plan are referenced to the Dane/Jefferson Counties Coordinate System.  $\Diamond$ PREPARED B CULVERT (Profile View) SLOPE INTERCEPT UTILITIES REFERENCE LINE STEFAN CIOBANU ELECTRIC JEREMY HALL EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT LAYOUT (Box or Pipe) SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER TELEPHONE TOTAL NET LENGTH OF CENTERLINE = 34.030 Mi. Yould Matheson MARSH AREA UTILITY PEDESTAL Ħ POWER POLE 6 E WOODED OR SHRUB AREA TELEPHONE POLE PLOT BY : SCHWEIGER, MARC D PLOT NAME : \_\_\_\_\_ FILE NAME : N:\PDS\C3D\10660231\SHEETSPLAN\TI.DWG

### 2

#### GENERAL NOTES

- -DETAILS OF CONSTRUCTION NOT SHOWN IN THE PLAN SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- -ALL CLOSED LANES MUST BE SWEPT CLEAN PRIOR TO OPENING TO TRAFFIC.
- -ALL WASTE MATERIAL RESULTING FROM THE VARIOUS CONSTRUCTION OPERATIONS ADJACENT TO LIVE TRAFFIC SHALL BE ENTIRELY REMOVED AND PROPERLY DISPOSED OF IMMEDIATELY OR AS DIRECTED BY THE ENGINEER.
- -THE 2-INCH ASPHALTIC CONCRETE SHALL BE PAVED IN ONE LIFT.
- -THE LOCATION OF THE LONGITUDINAL JOINT REPAIRS AND UNDISTRIBUTED QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- -THE CENTERLINE JOINT AND ANY TRANSVERSAL CRACKS FOUND IN THE MEDIAN LANE SHALL BE REPAIRED FIRST WITH TRAFFIC DIVERTED ONTO THE OUTSIDE LANE AND SHOULDER. TRAFFIC SHOULD ONLY BE SWITCHED ONTO THE MEDIAN LANE AT THE COMPLETION OF THE CENTERLINE JOINT REPAIRS FOR THE ENTIRE LENGTH OF THE PROJECT WHEN TRANSVERSAL CRACKS IN THE OUTSIDE LANE SHALL BE REPAIRED.
- -TRANSVERSE CRACKS IN THE SHOULDERS AS WELL AS THE JOINTS IN-BETWEEN THE RAMPS AND MAINLINE ARE ALSO PART OF THIS CONTRACT AND SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER.
- -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 THE DIGGERS HOTLINE.
- -ALL OF THE CENTERLINE PAVEMENT MARKINGS WILL BE REPLACED IN THE PROJECT AREA. EDGELINES TO BE REPLACED AS NEEDED AFTER TRANSVERSE CRACKS ARE SEALED AS DIRECTED BY THE ENGINEER. AT RAMPS, REPLACE EPOXY 8-INCH PAVEMENT MARKING OF RAMP GORES AS DIRECTED BY THE ENGINEER.



### PROJECT MANAGER

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CHANGEABLE SIGN MESSAGE COORDINATOR

SW REGION - MADISON OFFICE

STEFAN.CIOBANU@DOT.WI.GOV

JEFF GUSTAFSON SW REGION - MADISON OFFICE 2101 WRIGHT ST. MADISON, WI 53704 CELL: (608) 884-1166

PROJECT DESIGNER

STEFAN CIOBANU

2101 WRIGHT ST.

(608) 246-5442

MADISON, WI 53704

JEFFREY.GUSTAFSON@DOT.WI.GOV

GENERAL NOTES AND CONTACTS

PROJECT NO: 1066-02-61 HWY: IH-94

PLOT DATE: 4/14/2015 7:57 AM

COUNTY: DANE/JEFFERSON

PLOT BY : SCHWEIGER, MARC D PLOT NAME :

SHEET

### UTILITY CONTACTS

#### AT&T LEGACY - COMMUNICATION LINE

Attn: Carl Donahue 866 Rock Creek Rd. Plano, IL 60545 (715) 833-2054 cdonahue@att.com

#### ATC MANAGEMENT, INC. - ELECTRICITY

Attn: Mike Olsen 801 O'keefe Rd. P.O. Box 6113 De Pere , WI 54115-6113 (920) 338-6582 molsen@atcllc.com

#### ALLIANT ENERGY - ELECTRICITY

Attn: Jason Hogan Suite 1000 4902 N. biltmore Lane Madison, WI 53718 (608) 458-4871 jasonhogan@alliantenergy.com

### ALLIANT ENERGY - GAS/PETROLEUM

Attn: Jason Hogan Suite 1000 4902 N. biltmore Lane Madison, WI 53718 (608) 458-4871 Jasonhogan@alliantenergy.com

### CHARTER COMMUNICATIONS COMMUNICATION LINE

Attn: Brandon Storm 2701 Daniels St. Madison, WI 53718 (608) 274-3822 brandon.storm@charter.com

### COTTAGE GROVE WATER AND SEWER UTILITY WATER

Attn: Jim Hessling 221 E. Cottage Grove Rd. Cottage Grove, WI 53527 (608) 839-5831 jhessling@village.cottage-grove.wi.us

# ENBRIDGE ENERGY GAS/PETROLEUM

Attn: David Schultz 466 Midland Rd. Janesville, WI 53546 (608) 756-0071 David. Schultz@enbridge.com

# FRONTIER COMMUNICATIONS OF WILLC COMMUNICATION LINE

Attn: Robert Church 2222 West Wisconsin Street Portage, WI 53901 (608) 742-1817 robert.church@ftr.com

# GUARDIAN PIPELINE GAS/PETROLEUM

Attn: Denis Judy 23823 W. Amoco Rd. Channahon, IL 60410 (217)497-6117 denis.judy@oneok.com

# KOCH PIPELINE COMPANY L.P. GAS/PETROLEUM

Attn: Rick Schlegel PO Box 64596 St. Paul, MN 55164 (651) 480-3936 Office (651) 304-7002 Mobile

# LAKE MILLS LIGHT AND WATER DEPT. ELECTRICITY

Attn: Paul Hermanson 307 N. Cp Avenue Lake Mills, WI 53551 (920) 648-4026 phermanson@ci.lake-mills.wi.us

# MCLEOD USA TELECOMMUNICATION SERVICES INC. COMMUNICATION LINE

Attn: Jim Kostuch 13935 Bishops Dr. Brookfield, WI 53005 (262) 792-7938 James.Kostuch@windstream.com

# TDS TELECOM COMMUNICATION LINE

Attn: Michael Johnson Suite 800 20875 Crossroads Circle Waukesha, WI 53186 (262)-754-3052 michael.johnson@tdstelecom.com

### VILLAGE OF JOHNSON CREEK WATER

Attn: Paul Moderaki 125 Depot Street P.O. Box 238 Johnson Creek, WI 53038 (920) 699-2296 johnsoncreek@charter.net

### WE ENERGIES ELECTRICITY

Attn: LaTroy Brumfield Room A299 333 West Everett St. Milwaukee, WI 53203 (414) 221-5617 LaTroy.Brumfield@we-energies.com

# WE ENERGIES GAS/PETROLEUM

Attn: LaTroy Brumfield Room A299 333 West Everett St. Milwaukee, WI 53203 (414) 221-5617 LaTroy.Brumfield@we-energies.com

### WISDOT COMMUNICATION LINE

Attn: Jeff Madson Ste.300 433 W. St. Paul Ave. Milwaukee, WI 53203-3007 (414) 225-3723 Jeffrey.Madson@gdot.wi,gov

# WISDOT RWIS PROGRAM COMMUNICATION TOWER

Attn: Mike Adams Rm 501 P.O. Box 7986 Madison, WI 53707-7986 (608) 266-5004 Michael.Adams@dot.wi.gov

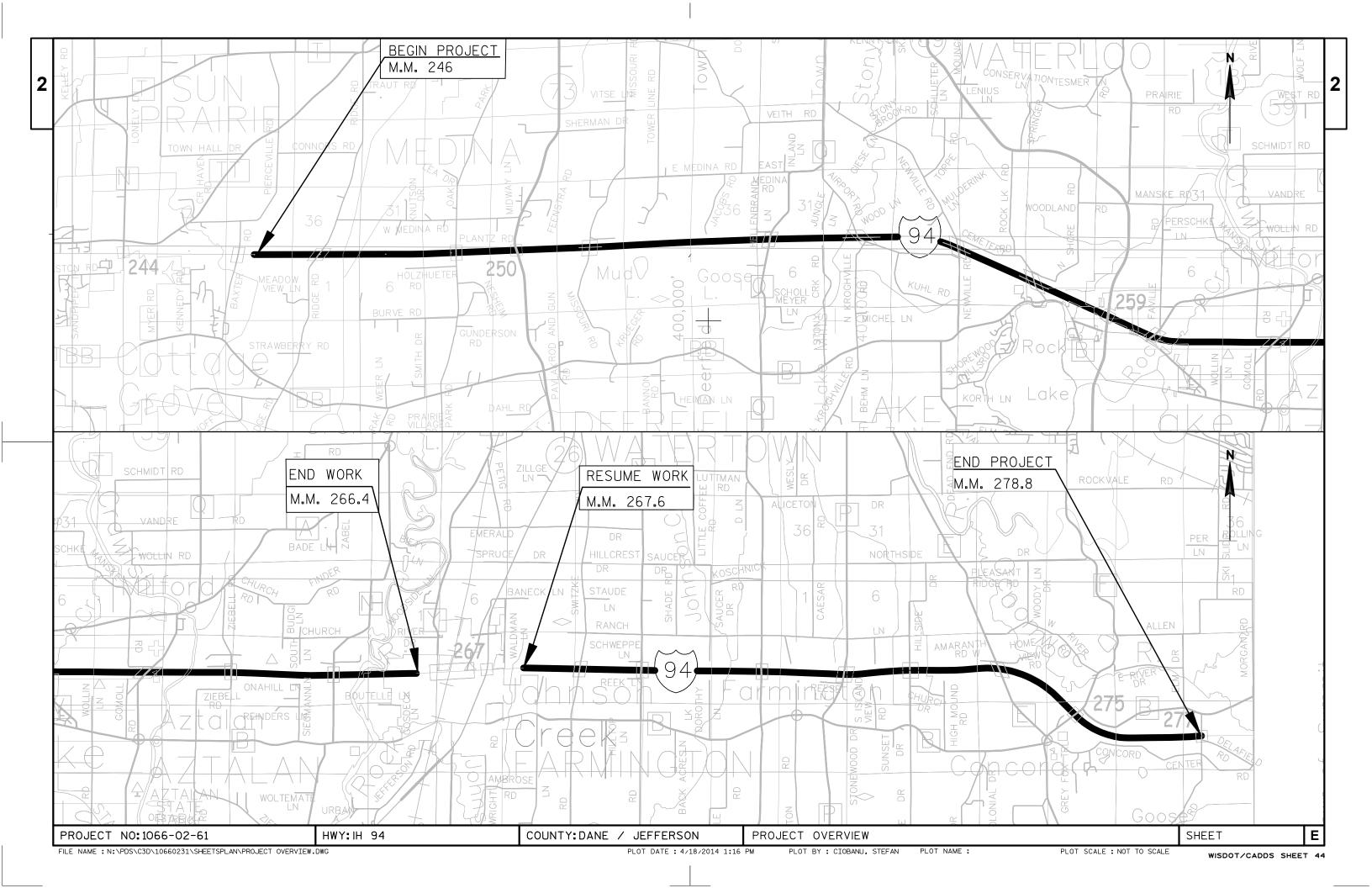
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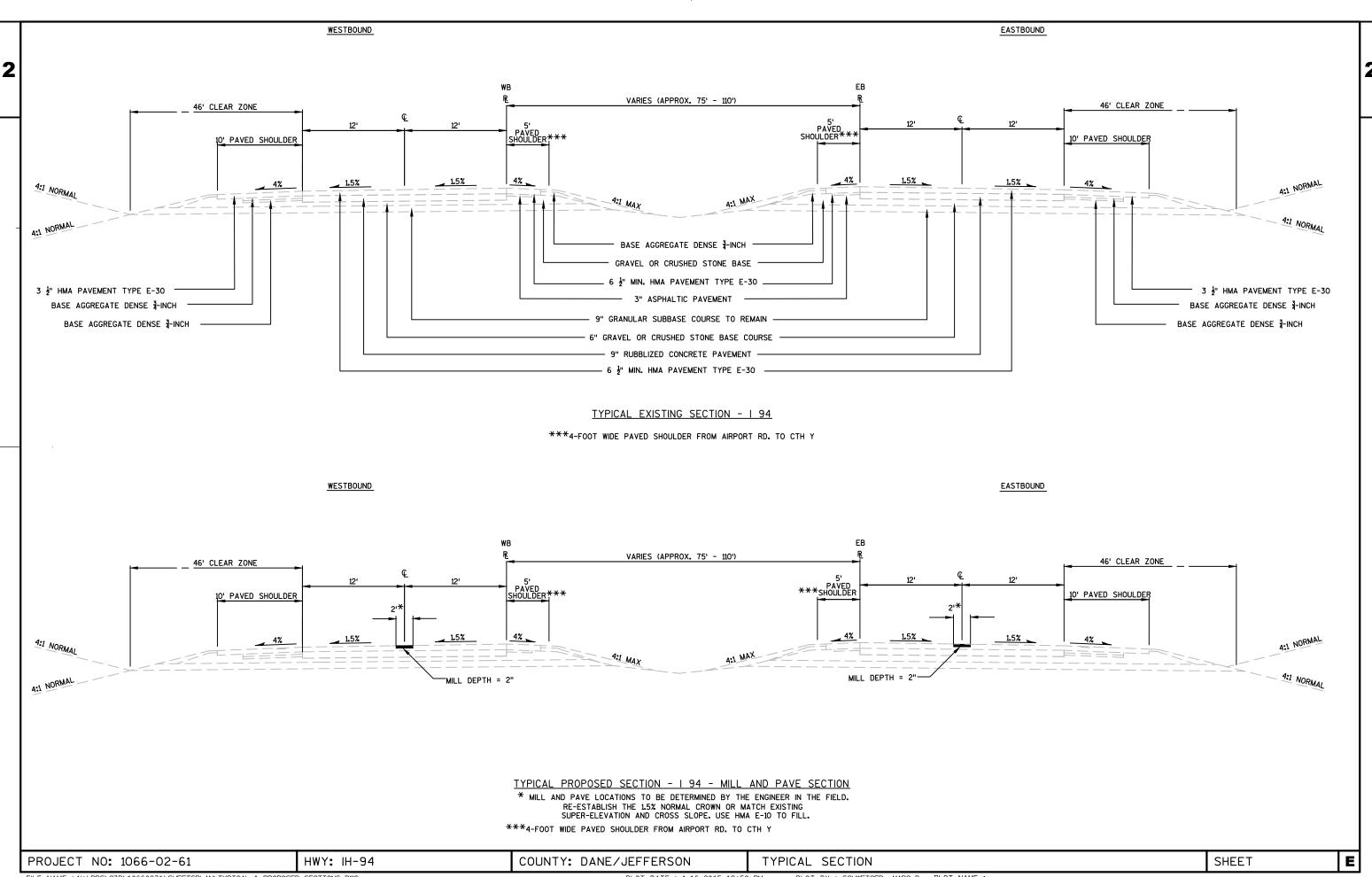
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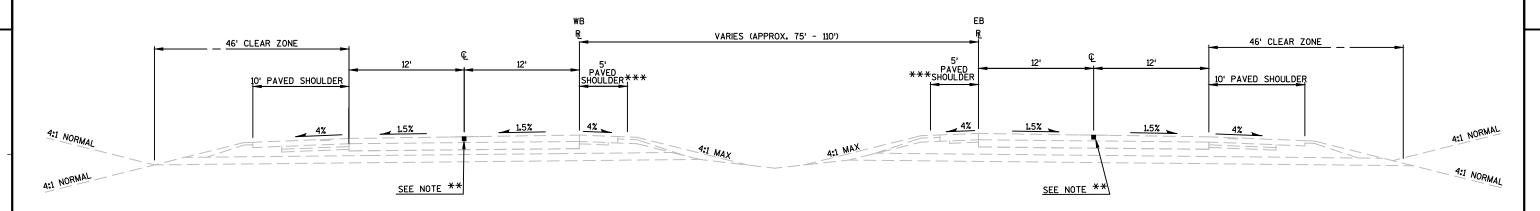
COUNTY: DANE/JEFFERSON

CONTACTS

SHEET







### TYPICAL PROPOSED SECTION - I 94 - ROUTE AND SEAL SECTION

PROJECT NO: 1066-02-61

HWY: IH-94

COUNTY: DANE/JEFFERSON

TYPICAL SECTION

SHEET

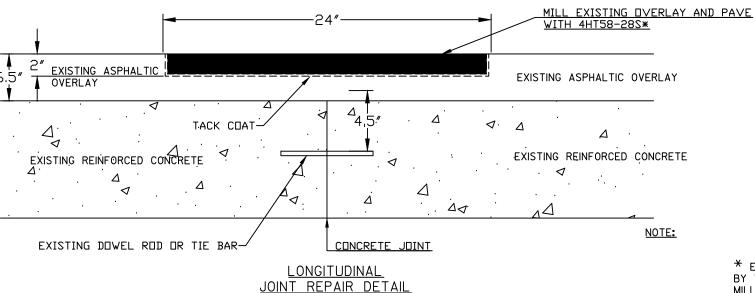
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PLOT DATE: 4/13/2015 3:17 PM

PLOT BY: SCHWEIGER, MARC D PLOT NAME:

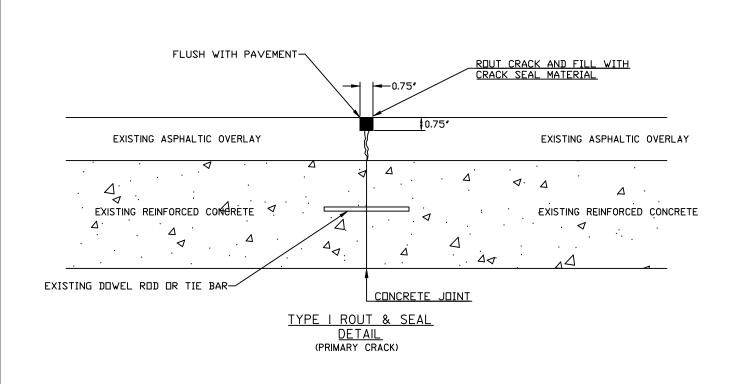
<sup>\*\*</sup> ROUT AND SEAL LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD. SEE CONSTRUCTION DETAILS FOR OTHER REQUIREMENTS.

 $<sup>\</sup>star\star\star$ 4-FOOT WIDE PAVED SHOULDER FROM AIRPORT RD. TO CTH Y

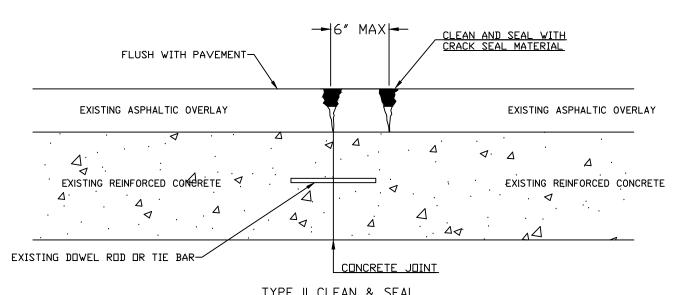


\* EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD BEFORE MILLING BEGINS. ENGINEER MUST HAVE JOINT REPAIR AREAS MARKED FOR MILLING PRIOR TO CRACK FILLING OPERATIONS START. CONTRACTOR SHALL NOT BE PAID FOR ROUTE AND SEAL IN AREAS MARKED FOR JOINT REPAIR.

THE CONTRACTOR WILL HAVE THE OPTION TO BLADE THE MILLINGS OUT ONTO THE EXISTING GRAVEL SHOULDER OR HAUL AWAY AND DISPOSE OF AS SPECIFIED IN SECTIONS 204 & 490 OF THE STANDARD SPECIFICATIONS.



HWY: IH-94



### TYPE II CLEAN & SEAL <u>DETAIL</u>

IF TWO CRACKS ARE LESS THAN 6 INCHES APART AND THE PAVEMENT BETWEEN THE CRACKS IS NOT EXHIBITING ALLIGATOR CRACKING THAT WOULD REQUIRE THE USE OF THE LONGITUDINAL JOINT REPAIR DETAIL, THEN THESE CRACKS SHALL JUST BE CLEANED AND FILLED.

FILE NAME : N:\PDS\C3D\10660231\SHEETSPLAN\CD.DWG

PROJECT NO: 1066-02-61

COUNTY: DANE/JEFFERSON

PLOT DATE: 2/23/2016 9:49 AM

CONSTRUCTION DETAILS

PLOT BY: SCHWEIGER, MARC D PLOT NAME:

SHEET

DATE 01	MAR16	E S T	ГІМАТ	E OF QUAN	
LINE	LTEM	LTEM DECCRIPTION	LINII T	TOTAL	1066-02-61
NUMBER	I TEM	I TEM DESCRIPTION	UNIT	TOTAL	QUANTI TY
0010	213. 0100	Finishing Roadway (project) 01. 1066-02-61	EACH	1. 000	1. 000
0020	455.0605	Tack Coat	GAL	3, 262. 000	3, 262. 000
0030	460. 7224	HMA Pavement 4 HT 58-28 S	TON	5, 178. 000	5, 178. 000
0040	618. 0100	Maintenance And Repair of Haul Roads	EACH	1. 000	1. 000
0050	619. 1000	(project) 01. 1066-02-61 Mobilization	EACH	1. 000	1. 000
	2.7550			300	550
0060	642. 5001	Field Office Type B	EACH	1. 000	1. 000
0070	643. 0100	Traffic Control (project) 01. 1066-02-61	EACH	1. 000	1. 000
0800	643.0300	Traffic Control Drums	DAY	10, 954. 000	10, 954. 000
0090	643.0420	Traffic Control Barricades Type III	DAY	660.000	660.000
0100	643. 0705	Traffic Control Warning Lights Type A	DAY	112. 000	112. 000
0110	643. 0715	Traffic Control Warning Lights Type C	DAY	972.000	972. 000
0120	643.0800	Traffic Control Arrow Boards	DAY	136. 000	136.000
0130	643.0900	Traffic Control Signs	DAY	1, 648. 000	1, 648. 000
0140	643. 0910	Traffic Control Covering Signs Type I	EACH	14. 000	14. 000
0150	643. 0920	Traffic Control Covering Signs Type II	EACH	32. 000	32. 000
0160	643. 1050	Traffic Control Signs PCMS	DAY	434. 000	434. 000
0170	643. 1055. \$	S Truck or Trailer Mounted Attenuator	DAY	70.000	70.000
0180	646. 0106	Pavement Marking Epoxy 4-Inch	LF	97, 000. 000	97,000.000
0190	646. 0126	Pavement Marking Epoxy 8-Inch	LF	5, 385. 000	5, 385. 000
0200	646. 0881. 9	S Pavement Marking Grooved Wet Reflective	LF	7, 546. 000	7, 546. 000
		Tape 4-Inch			
0210	SPV. 0090	Special 01. Rout and Seal Special	LF	201, 582. 000	201, 582. 000
0220	SPV. 0180	Special 01. Joint Repair Milling	SY	46, 605. 000	46, 605. 000

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TRAFFIC CONTROL

												TRUCK MOUNTED
		TRAFFIC CONTROL	DRUMS	BARRICADES TYPE III	WARNING LIGHTS TYPE A	WARNING LIGHTS TYPE C	ARROW BOARDS	SIGNS	COVERING SIGNS TYPE I	COVERING SIGNS TYPE II	SIGNS PCMS	TRAFFIC ATTENUATOR
		(PROJECT)										
		643.0100	643.0300	643.0420	643.0705	643.0715	643.0800	643.0900	643.0910	643.0920	643.1050	643.1055.S
CATEGORY	LOCATION	EACH	DAY	DAY	DAY	DAY	DAY	DAY	EACH	EACH	DAY	DAY
0010	PREWARNING MAINLINE	-	-	-	-	-	-	-	-	-	56	-
0010	PREWARNING ON-RAMPS	-	-	-	-	-	-	-	-	-	98	-
0010	MAINLINE	1	9860	544	112	884	136	1428	14	32	280	70
0010	RAMPS	-	98	56	-	-	-	70	-	-	-	-
0010	UNDISTRIBUTED	-	996	60	-	88	-	150	-	-	-	-
	TOTAL	1	10954	660	112	972	136	1648	14	32	434	70

### PERMANENT PAVEMENT MARKING

	TOTAL	97000	5385	7546	
0010	MAINLINE	-	-	7546	LANE LINE SKIPS
0010	RAMPS	-	5385	-	AT RAMP GORES
0010	MAINLINE	93400 3600	-	-	LANELINE AND EDGELINE
CATEGORY	LOCATION	LF	LF	LF	REMARKS
		646.0106	646.0126	646.0881.S	
		(w hite) (yellow)	(w hite)	(w hite)	
		EPOXY 4-INCH	EPOXY 8-INCH	TAPE 4-INCH	
		MARKING	MARKING	GROOVED WET REFLECTIVE	Ξ
		PAVEMENT	PAVEMENT	PAVEMENT MARKING	

PROJECT NO: 1066-02-61 HWY: IH-94 COUNTY: DANE / JEFFERSON MISCELLANEOUS QUANTITIES SHEET: **E** 

### 3

### PAVEMENT REPAIRS

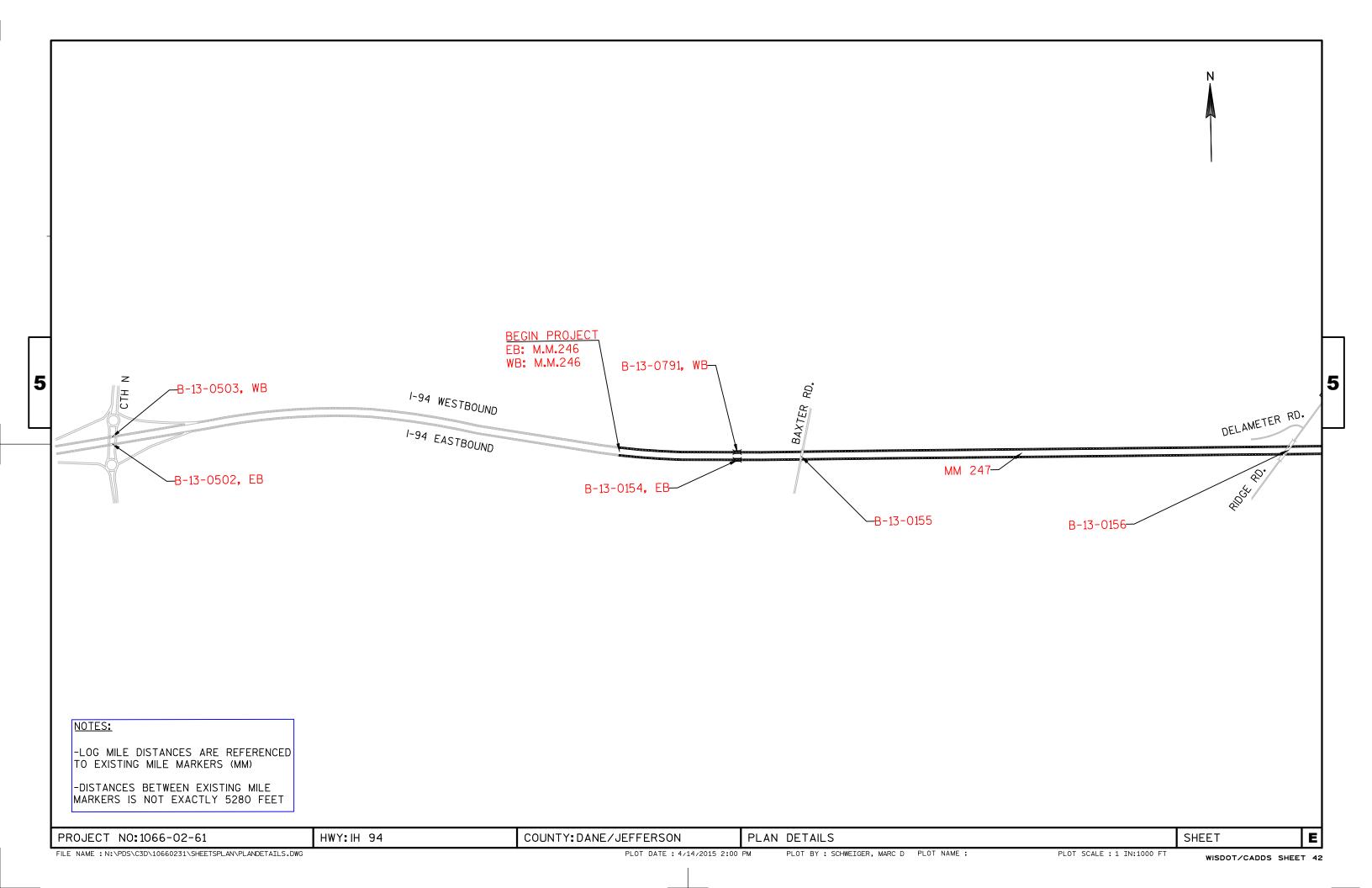
								JOINT	
					ROUTE AND SEAL	TACK	HMA PAVEMENT	REPA IR	
					SPECIAL	COAT	4HT58-28S	MILLING	
	_	LOCATION		SPV.0090.01	455.0605	460.7224	SPV.0180.01		
CATEGORY	DIRECTION	M.M.	-	M.M.	LF	GAL	TON	SY	REMARKS
0010	EB	246.00	-	247.00	0	82	130	1173	
0010	EB	247.00	-	248.00	0	82	130	1173	
0010	EB	248.00	-	249.00	0	82	130	1173	
0010	EB	249.00	-	250.00	0	82	130	1173	
0010	EB	250.00	-	251.00	1580	58	91	822	
0010	EB	251.00	-	252.00	2180	48	77	689	
0010	EB	252.00	-	253.00	3430	29	46	411	
0010	EB	253.00	-	254.00	4280	16	25	222	
0010	EB	254.00	-	255.00	2880	37	59	533	
0010	EB	255.00	-	256.00	3980	20	32	289	
0010	EB	256.00	-	257.00	2280	47	74	667	
0010	EB	257.00	-	258.00	4080	19	30	267	
0010	EB	258.00	-	259.00	3280	31	49	444	
0010	EB	259.00	-	260.00	1780	54	86	778	
0010	EB	260.00	-	261.00	1980	51	81	733	
0010	EB	261.00	-	262.00	1780	54	86	778	
0010	EB	262.00	-	263.00	1980	51	81	733	
0010	EB	263.00	-	264.00	2780	39	62	556	
0010	EB	264.00	-	265.00	2780	39	62	556	
0010	EB	265.00	-	266.00	3680	25	40	356	
0010	EB	266.00	-	267.00	2280	47	74	667	
0010	EB	267.00	-	268.00	3680	25	40	356	
0010	EB	268.00	-	269.00	3680	25	40	356	
0010	EB	269.00	-	270.00	2980	36	57	511	
0010	EB	270.00	-	271.00	2780	39	62	556	
0010	EB	271.00	-	272.00	4280	16	25	222	
0010	EB	272.00	-	273.00	4680	9	15	133	
0010	EB	273.00	-	274.00	3180	33	52	467	
0010	EB	274.00	-	275.00	3880	22	35	311	
0010	EB	275.00	-	276.00	3880	22	35	311	
0010	EB	276.00	-	277.00	2580	42	67	600	
0010	EB	277.00	-	278.00	3580	26	42	378	
0010	EB	278.00	-	278.80	2324	30	47	422	
			TOTAL		88514	1317	2091	18815	

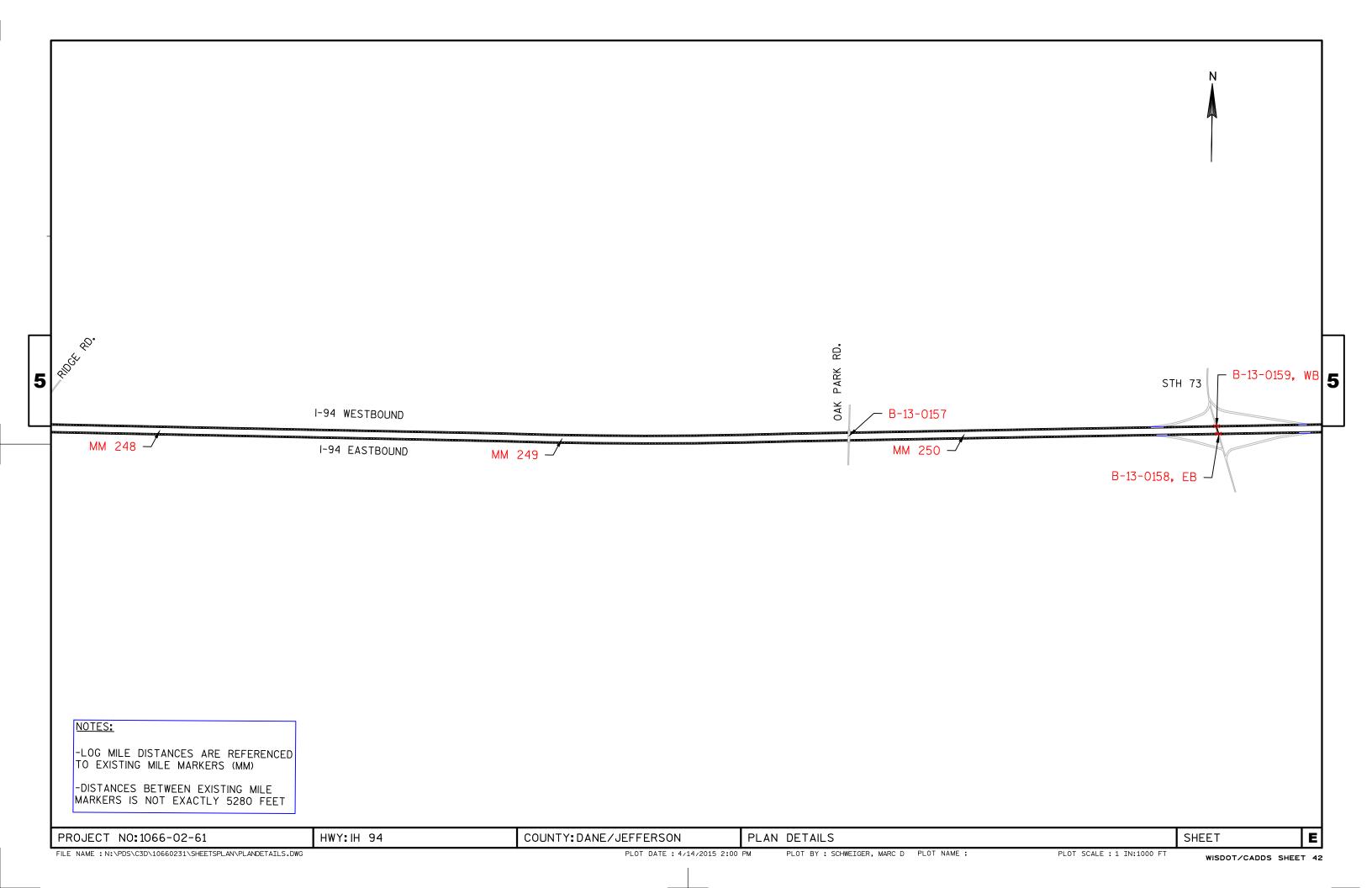
PROJECT NO: 1066-02-61 HWY: IH-94 COUNTY: DANE / JEFFERSON MISCELLANEOUS QUANTITIES SHEET: **E** 

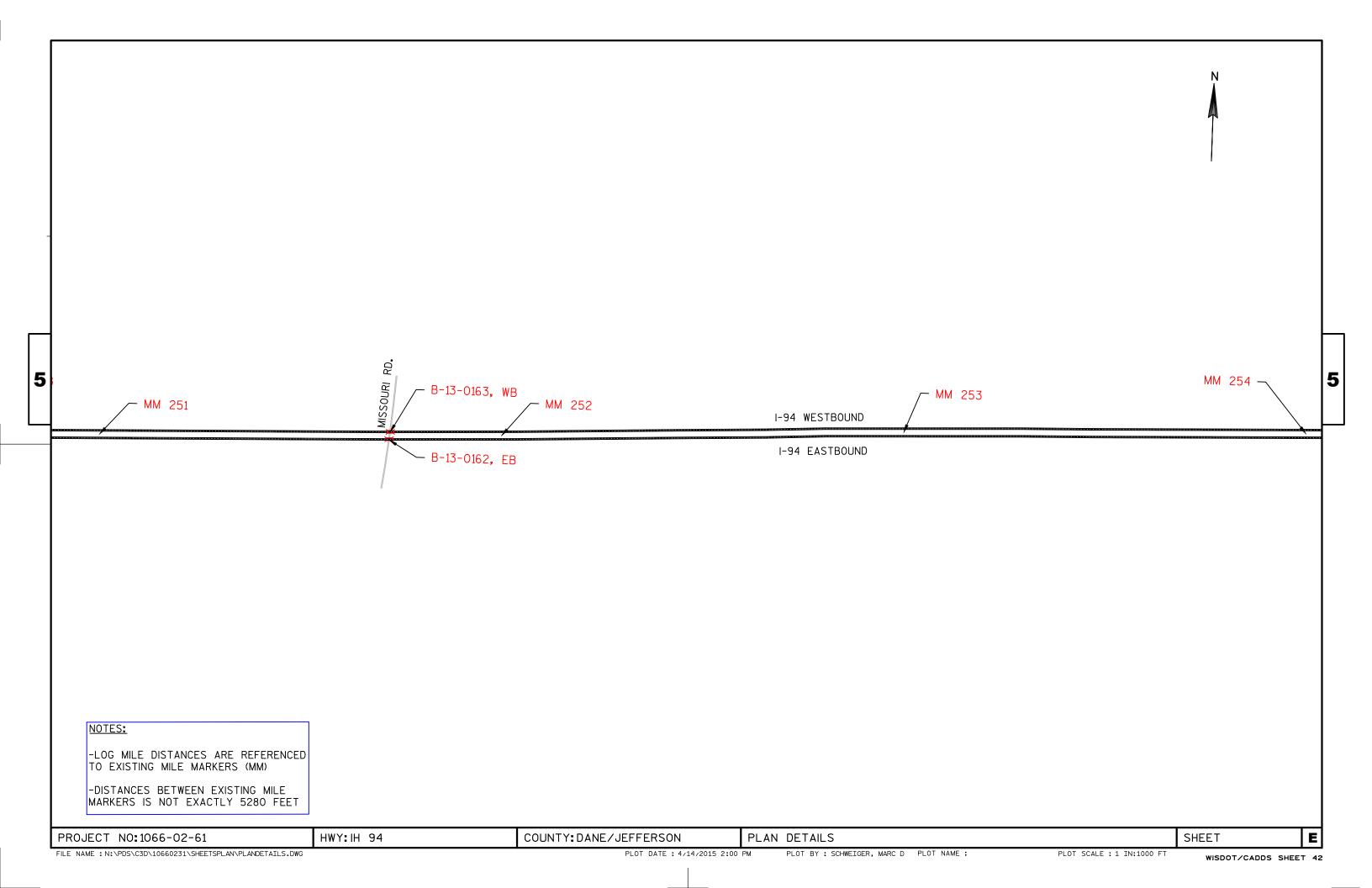
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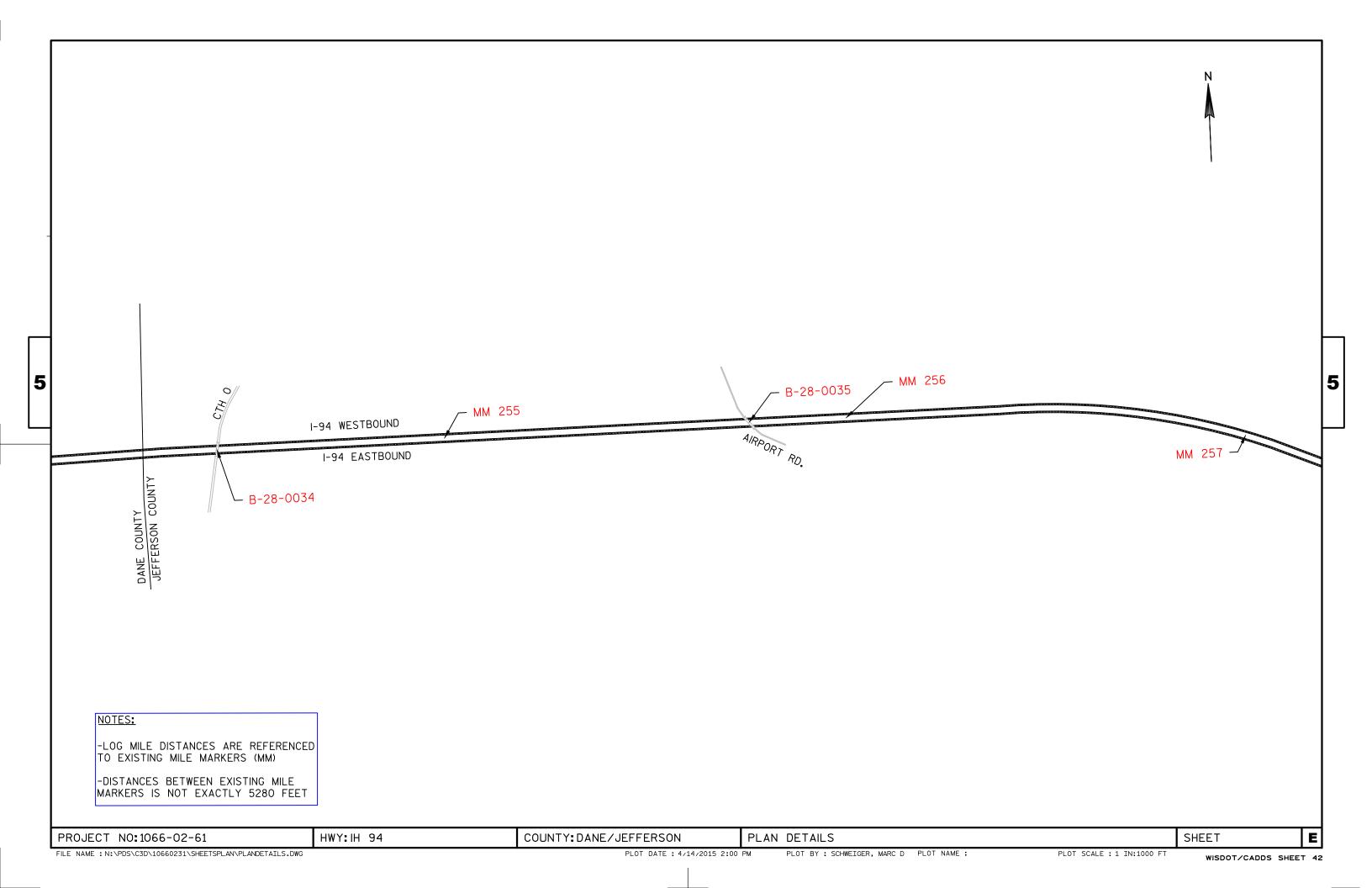
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					ROUTE AND SEAL	TACK	HMA PAVEMENT	REPA IR	
					SPECIAL	COAT	4HT58-28S	MILLING	
		LOCATION			SPV.0090.01	455.0605	460.7224	SPV.0180.01	
CATEGORY	DIRECTION	M.M.	-	M.M.	LF	GAL	TON	SY	REMARKS
0010	WB	245.90	-	246.00	248	4	7	62	
0010	WB	246.00	-	247.00	2480	44	69	622	
0010	WB	247.00	-	248.00	1000	67	106	951	
0010	WB	248.00	-	249.00	1000	67	106	951	
0010	WB	249.00	-	250.00	2180	48	77	689	
0010	WB	250.00	-	251.00	3780	23	37	333	
0010	WB	251.00	-	252.00	3180	33	52	467	
0010	WB	252.00	-	253.00	3480	28	44	400	
0010	WB	253.00	-	254.00	3980	20	32	289	
0010	WB	254.00	-	255.00	2380	45	72	644	
0010	WB	255.00	-	256.00	3380	30	47	422	
0010	WB	256.00	-	257.00	3680	25	40	356	
0010	WB	257.00	-	258.00	3780	23	37	333	
0010	WB	258.00	-	259.00	3080	34	54	489	
0010	WB	259.00	-	260.00	2380	45	72	644	
0010	WB	260.00	-	261.00	0	82	130	1173	
0010	WB	261.00	-	262.00	2080	50	79	711	
0010	WB	262.00	-	263.00	3880	22	35	311	
0010	WB	263.00	-	264.00	4030	19	31	278	
0010	WB	264.00	-	265.00	3830	23	36	322	
0010	WB	265.00	-	266.00	1680	56	89	800	
0010	WB	266.00	-	267.00	2580	42	67	600	
0010	WB	267.00	-	268.00	3680	25	40	356	
0010	WB	268.00	-	269.00	2280	47	74	667	
0010	WB	269.00	-	270.00	3480	28	44	400	
0010	WB	270.00	-	271.00	3480	28	44	400	
0010	WB	271.00	-	272.00	3780	23	37	333	
0010	WB	272.00	-	273.00	2280	47	74	667	
0010	WB	273.00	-	274.00	0	82	130	1173	
0010	WB	274.00	-	275.00	0	82	130	1173	
0010	WB	275.00	-	276.00	0	82	130	1173	
0010	WB	276.00	-	277.00	0	82	130	1173	
0010	WB	277.00	-	278.00	0	82	130	1173	
0010	WB	278.00	-	278.80	0	82	130	1173	
		Т	ΓΟΤΑL	-	77068	1520	2412	21711	
0010	WB/EB	UNDISTRIBUTED		36000	426	675	6079	For EB and WB Transverse Joints & Longitudinal Joints	
				TOTAL	201582	3262	5178	46605	

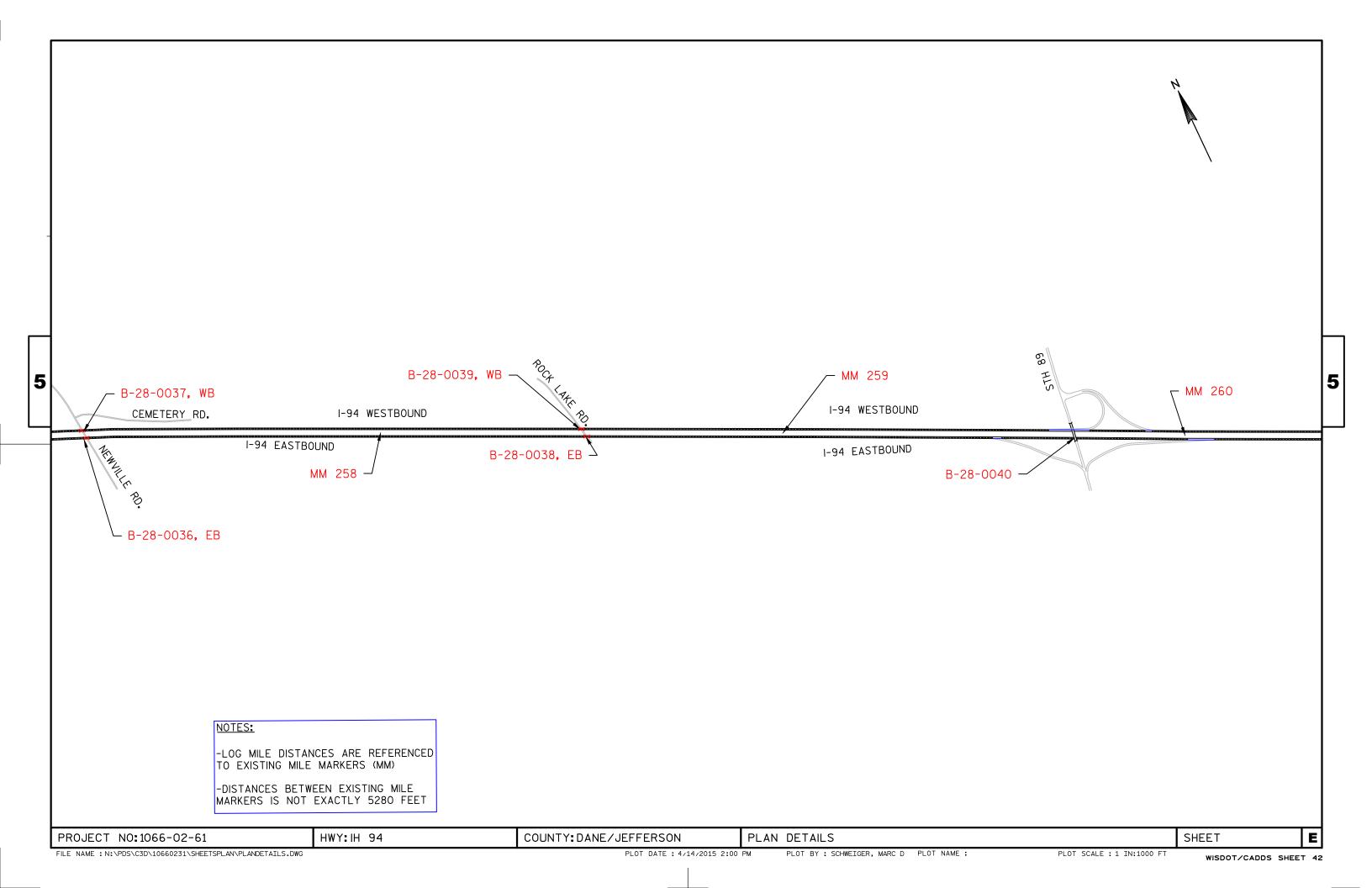
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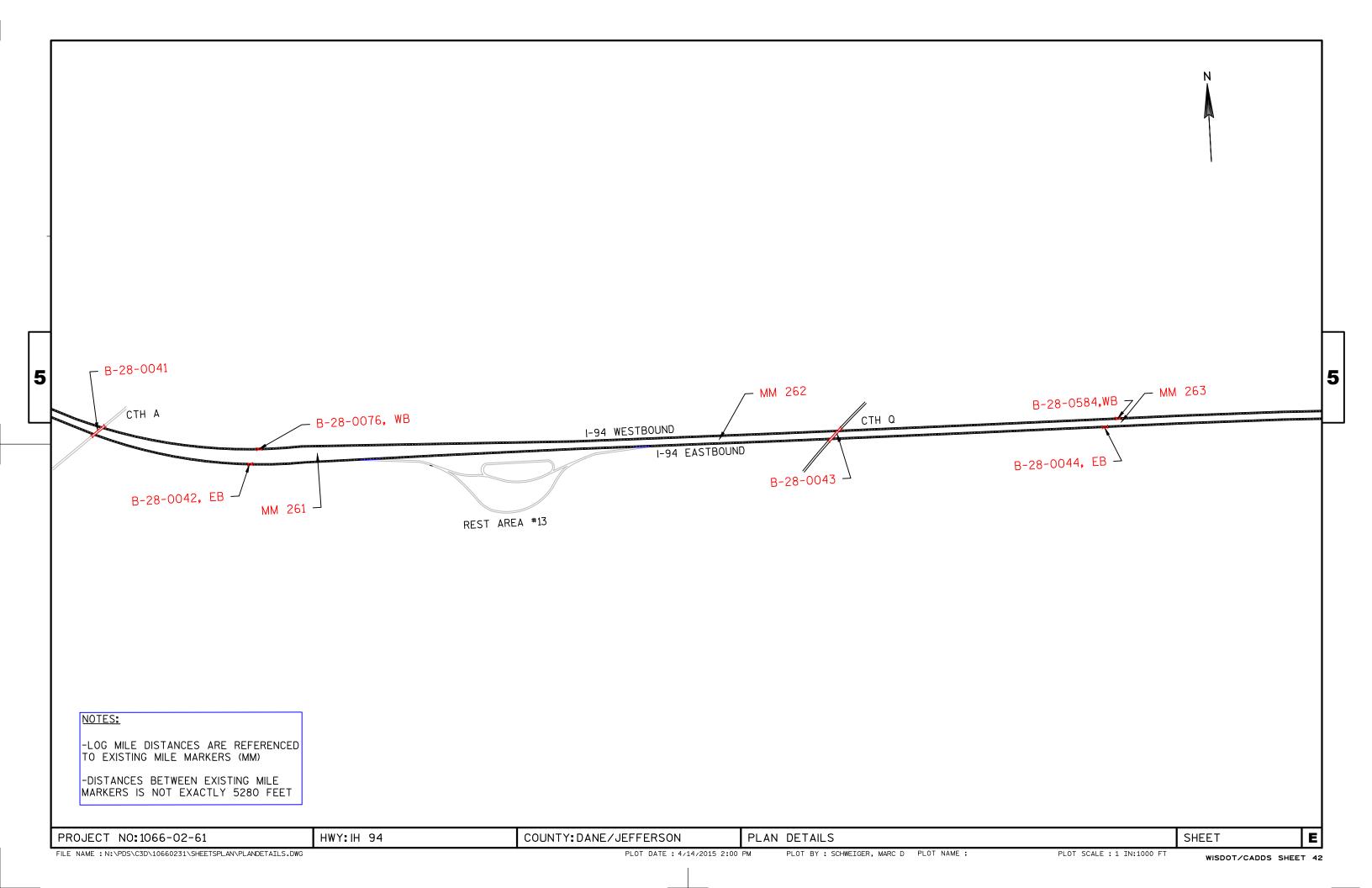


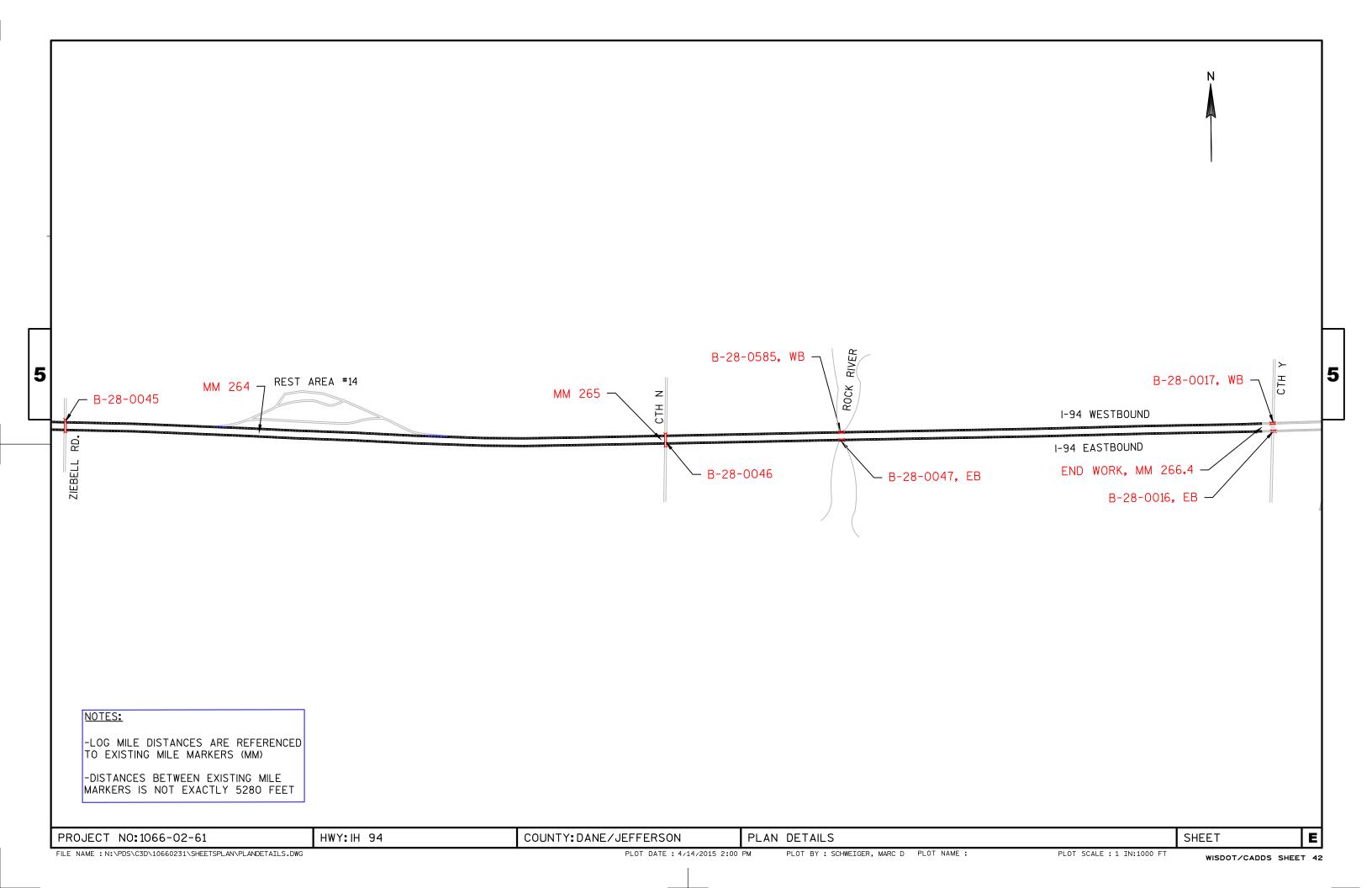


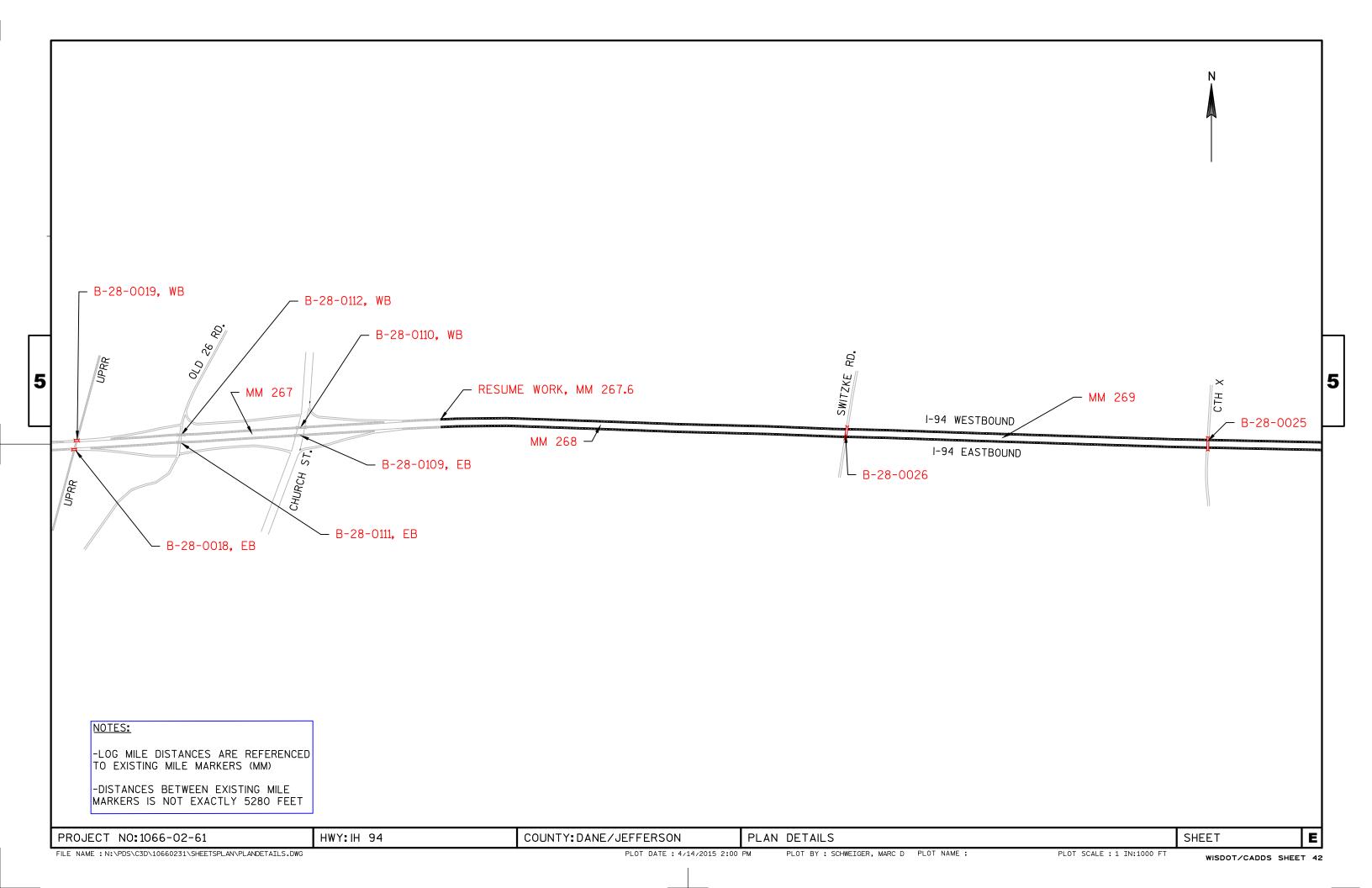


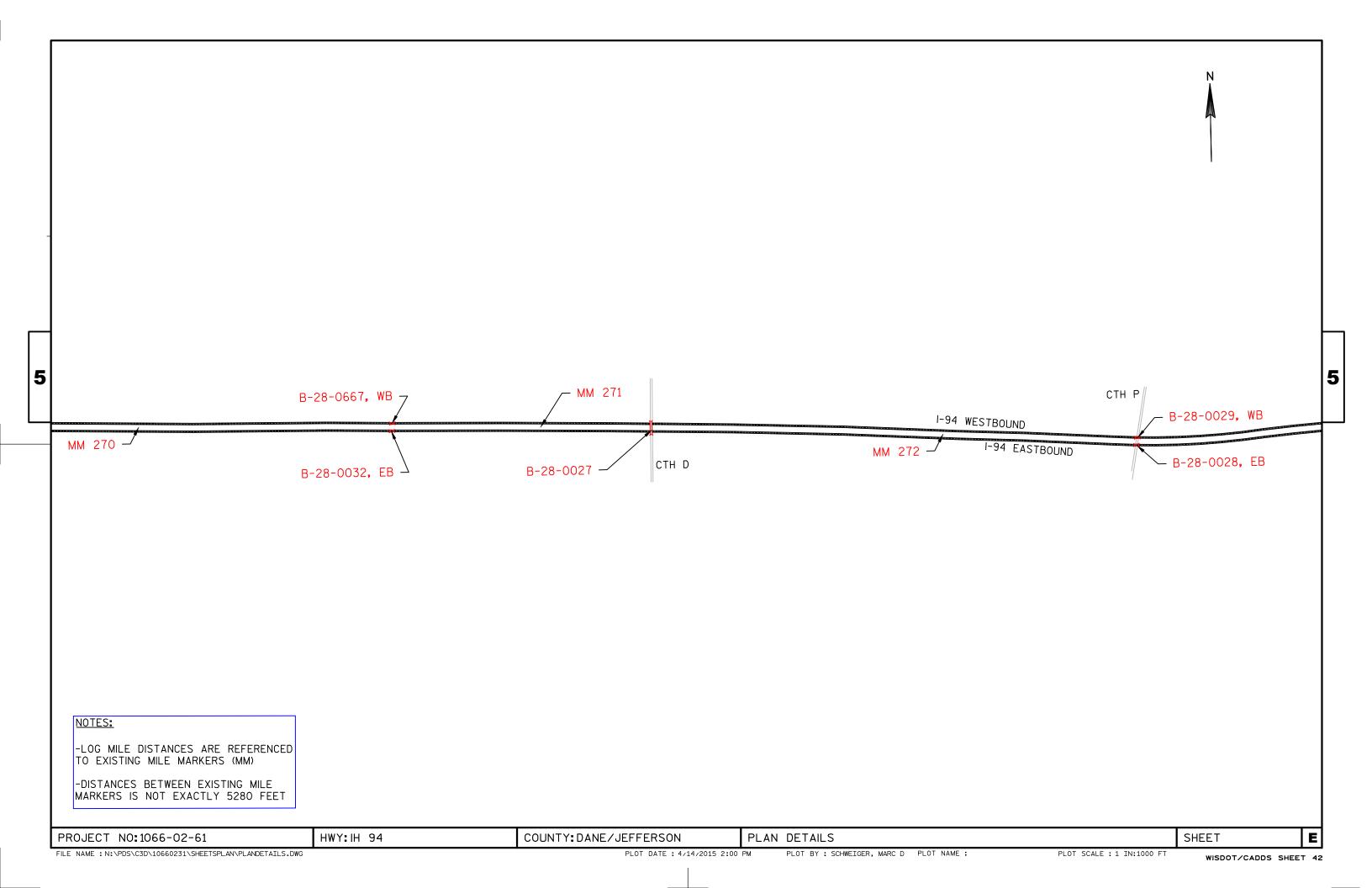


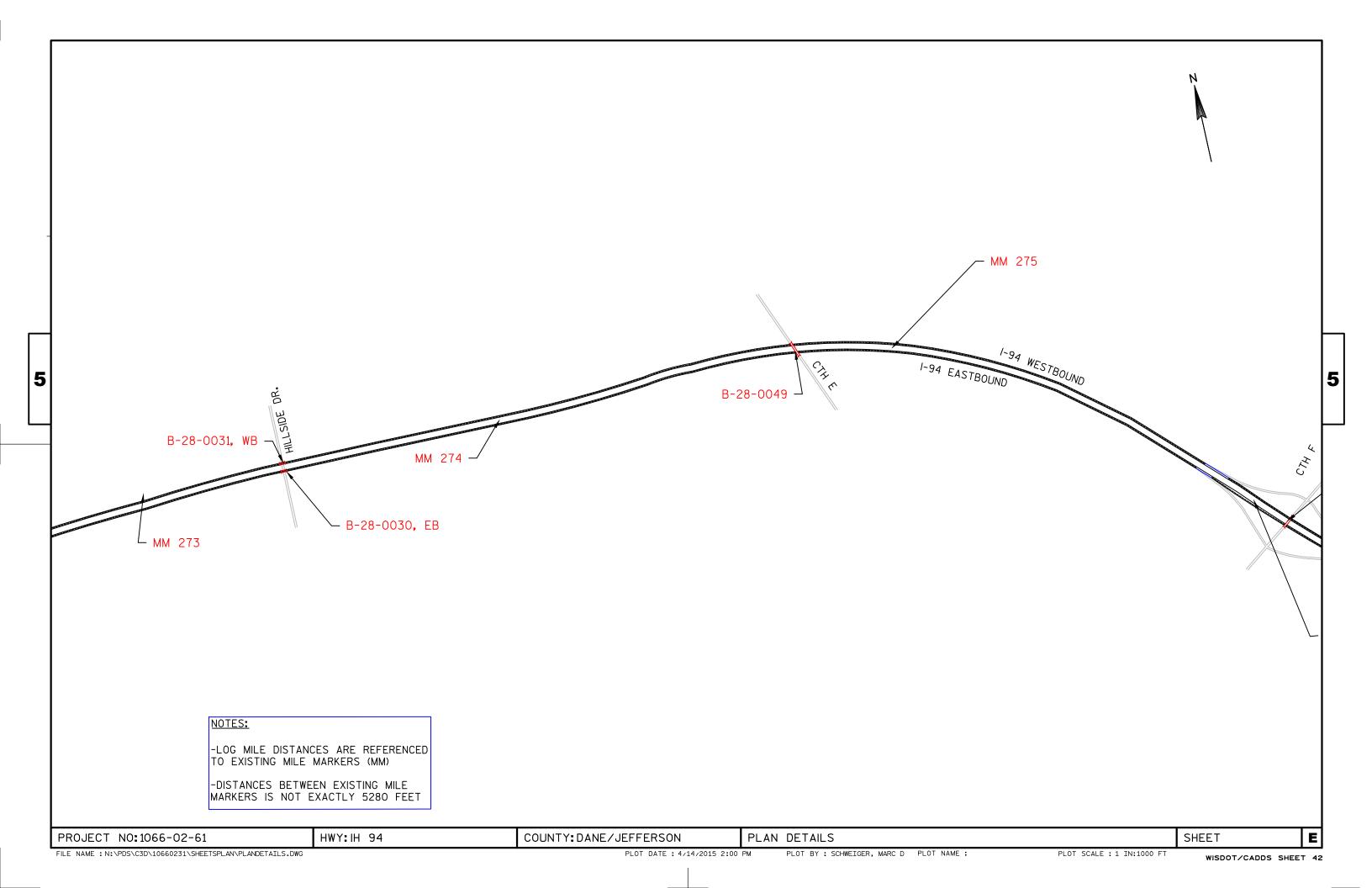


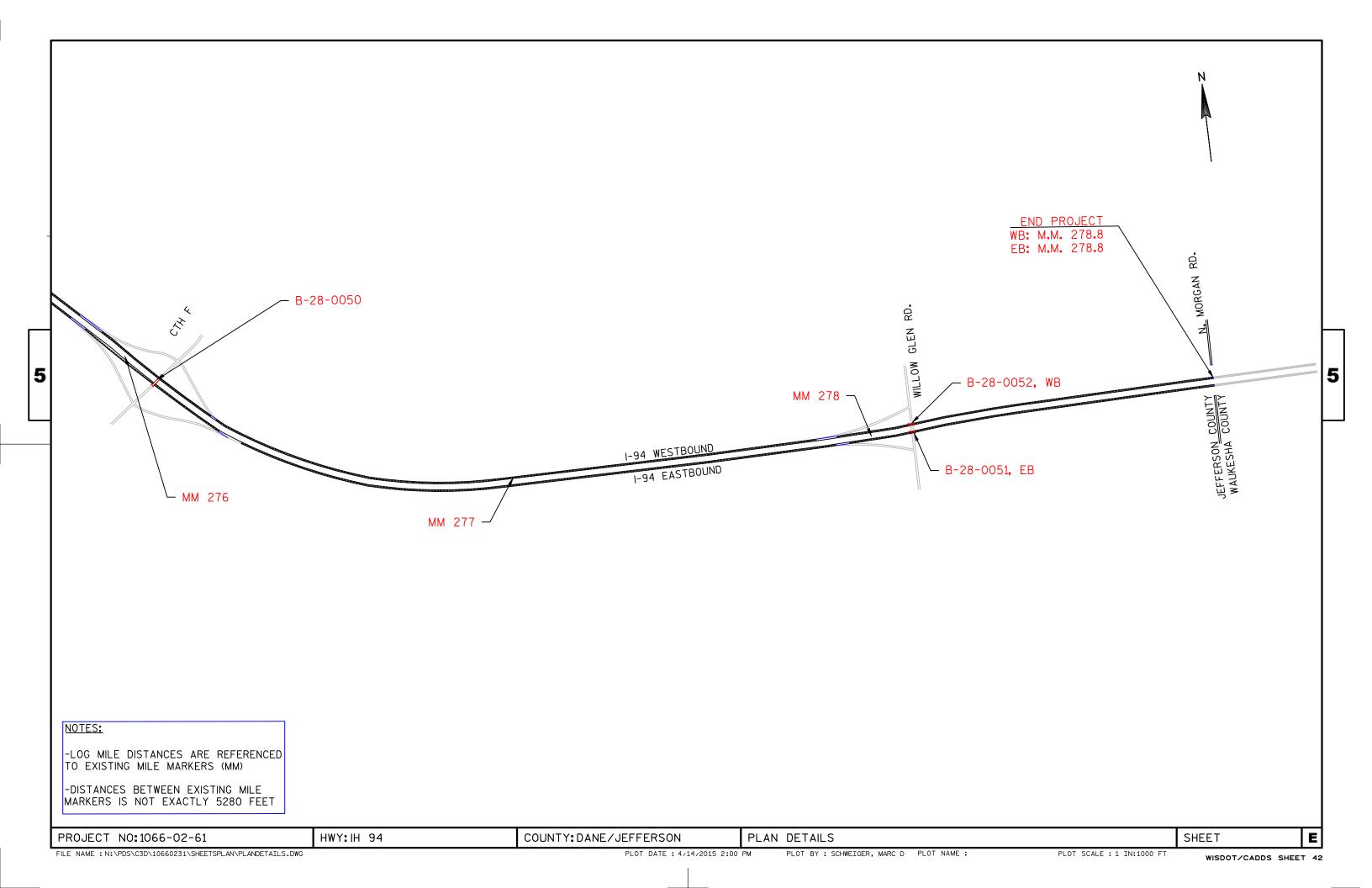




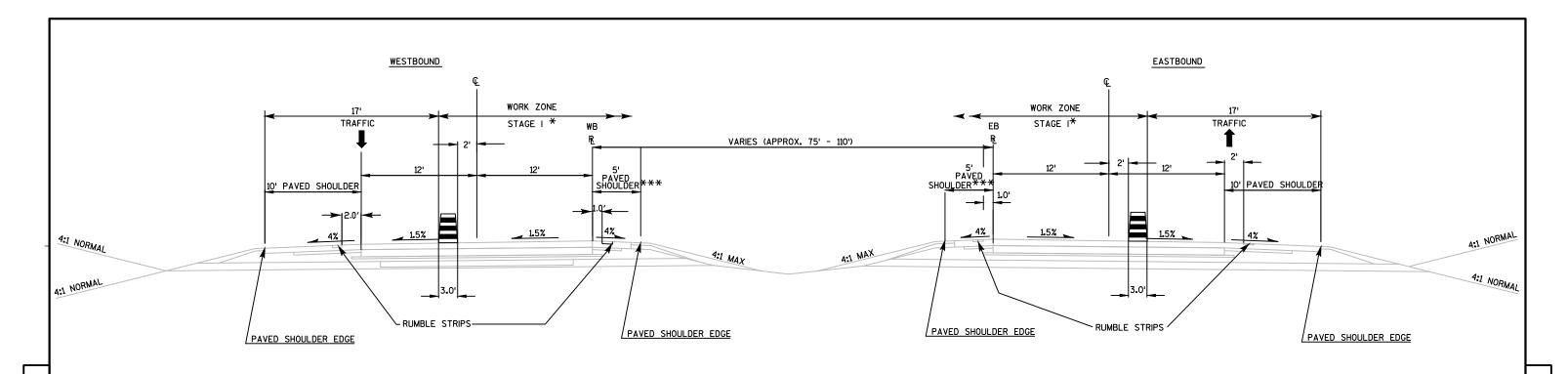












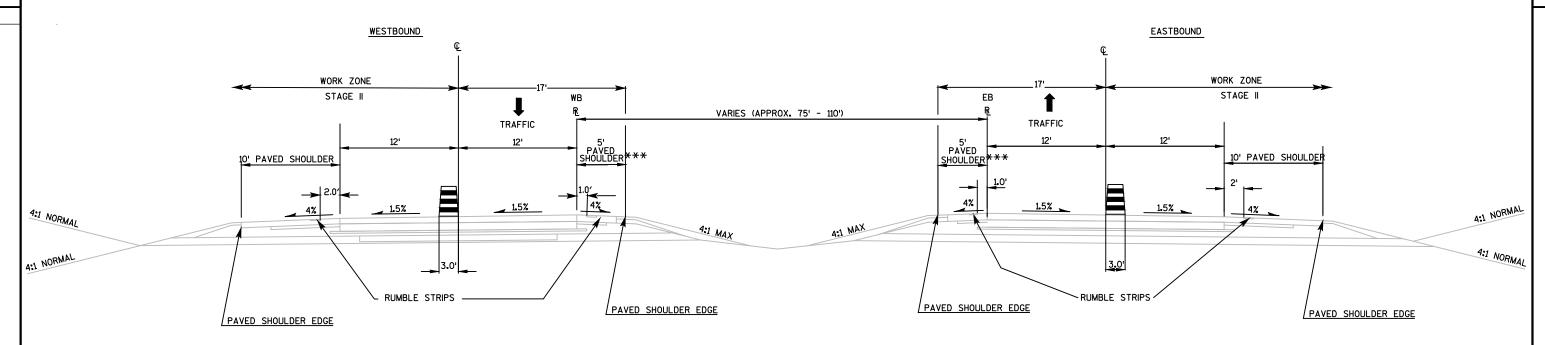
### SINGLE LANE CLOSURE STAGING

\*NOTE:

REPAIR LONGITUDINAL CENTERLINE JOINT AT THIS STAGE.

ALL TRANSVERSAL CRACKS LOCATED IN THE PASSING LANE

SHOULD ALSO BE REPAIRED AT THIS STAGE.



-FOR EXIT RAMPS CLOSURE DETAILS SEE S.D.D. "TRAFFIC CONTROL EXIT RAMP CLOSURE"
-FOR ENTRANCE RAMPS CLOSURE ADDITIONAL INFORMATION SEE DETAIL "TRAFFIC CONTROL FOR FREEWAY SERVICE RAMPS"
-FOR MAINLINE TRAFFIC CONTROL WORK ZONES SEE S.D.D. "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION".

SINGLE LINE CLOSURE STAGING

OUTSIDE LANE & SHOULDER WORK ZONE AREA
STAGE II\*\*

\*\*\*4-FOOT WIDE PAVED SHOULDER FROM AIRPORT RD. TO CTH Y

\*\*NOTE:

REPAIR ALL THE TRANSVERSAL CRACKS AND
THE RAMP-MAINLINE JOINT AT THIS STAGE

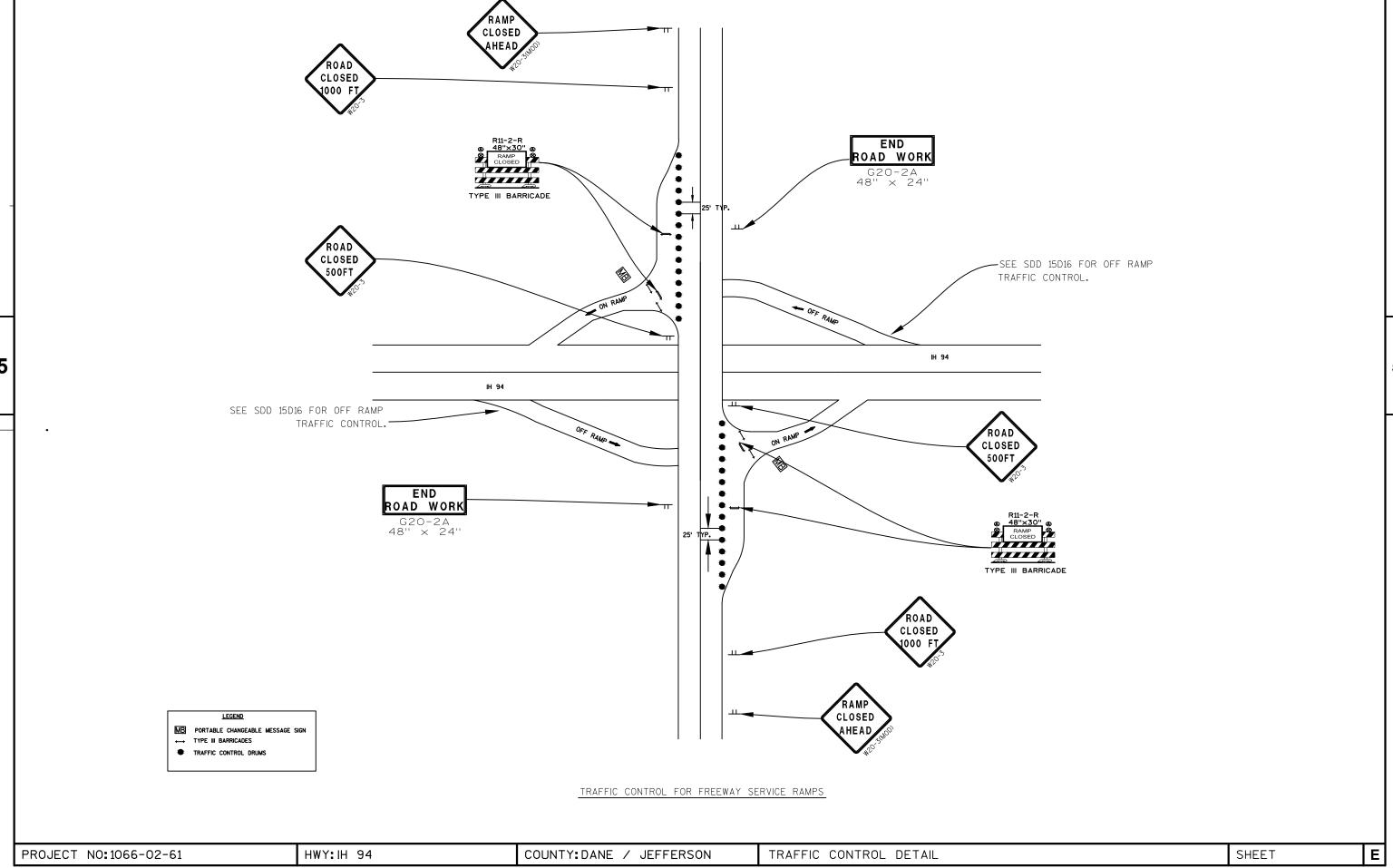
PROJECT NO:1066-02-61 HWY:H 94 COUNTY:DANE / JEFFERSON TRAFFIC CONTROL AND CONSTRUCTION STAGING SHEET **E** 

FILE NAME : N:\PDS\C3D\10660231\SHEETSPLAN\STAGING.DWG

PLOT DATE: 7/14/2015 11:43 AM PLOT BY: SCHWEIGER, MARC D PLOT NAME:

PLOT SCALE : 0.102837

WISDOT/CADDS SHEET 44



FILE NAME : N:\PDS\C3D\10660231\SHEETSPLAN\STAGING.DWG PLOT BY : SCHWEIGER, MARC D PLOT NAME : PLOT SCALE : 0.049285 WISDOT/CADDS SHEET 44

5

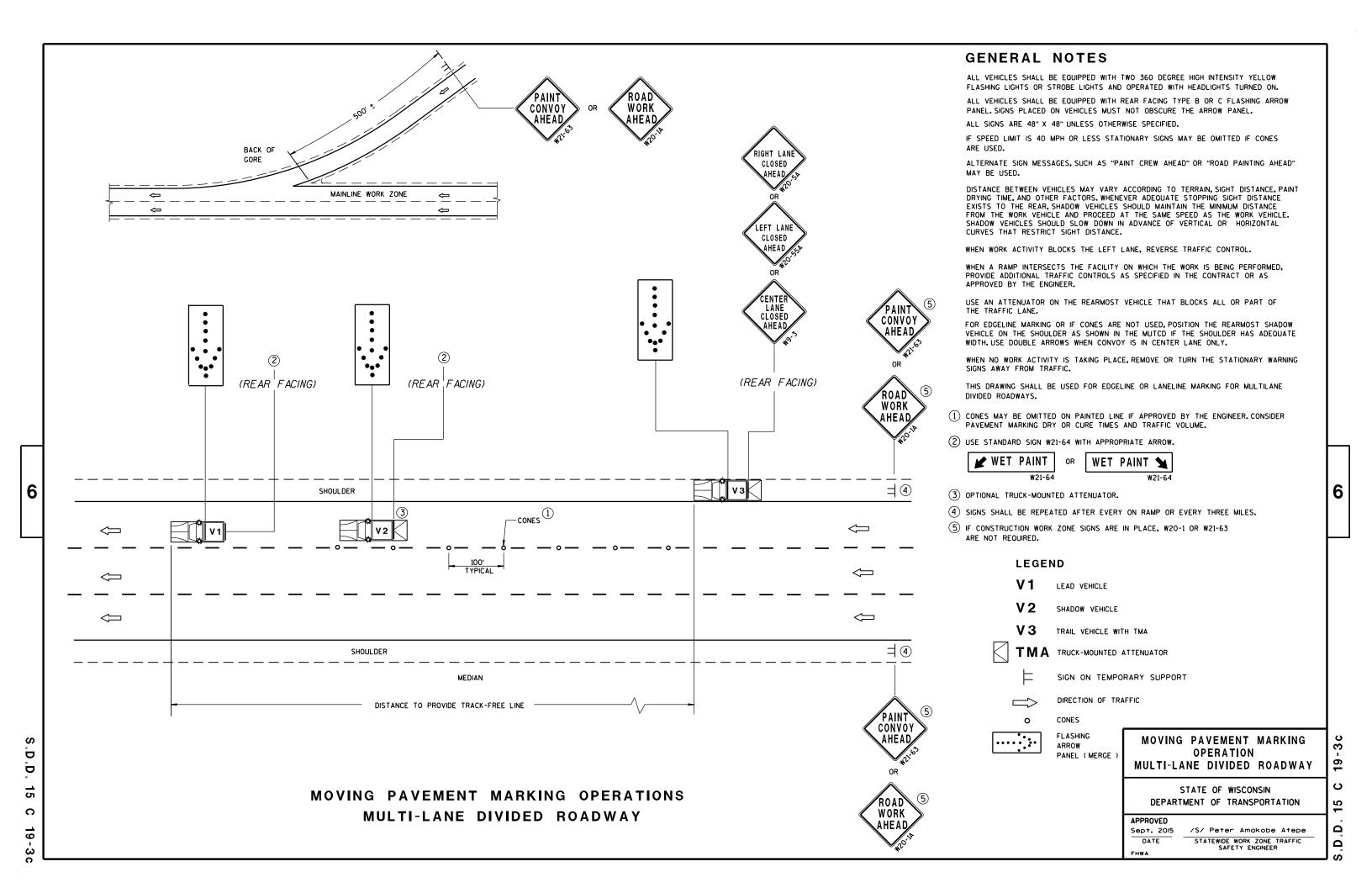
# Standard Detail Drawing List

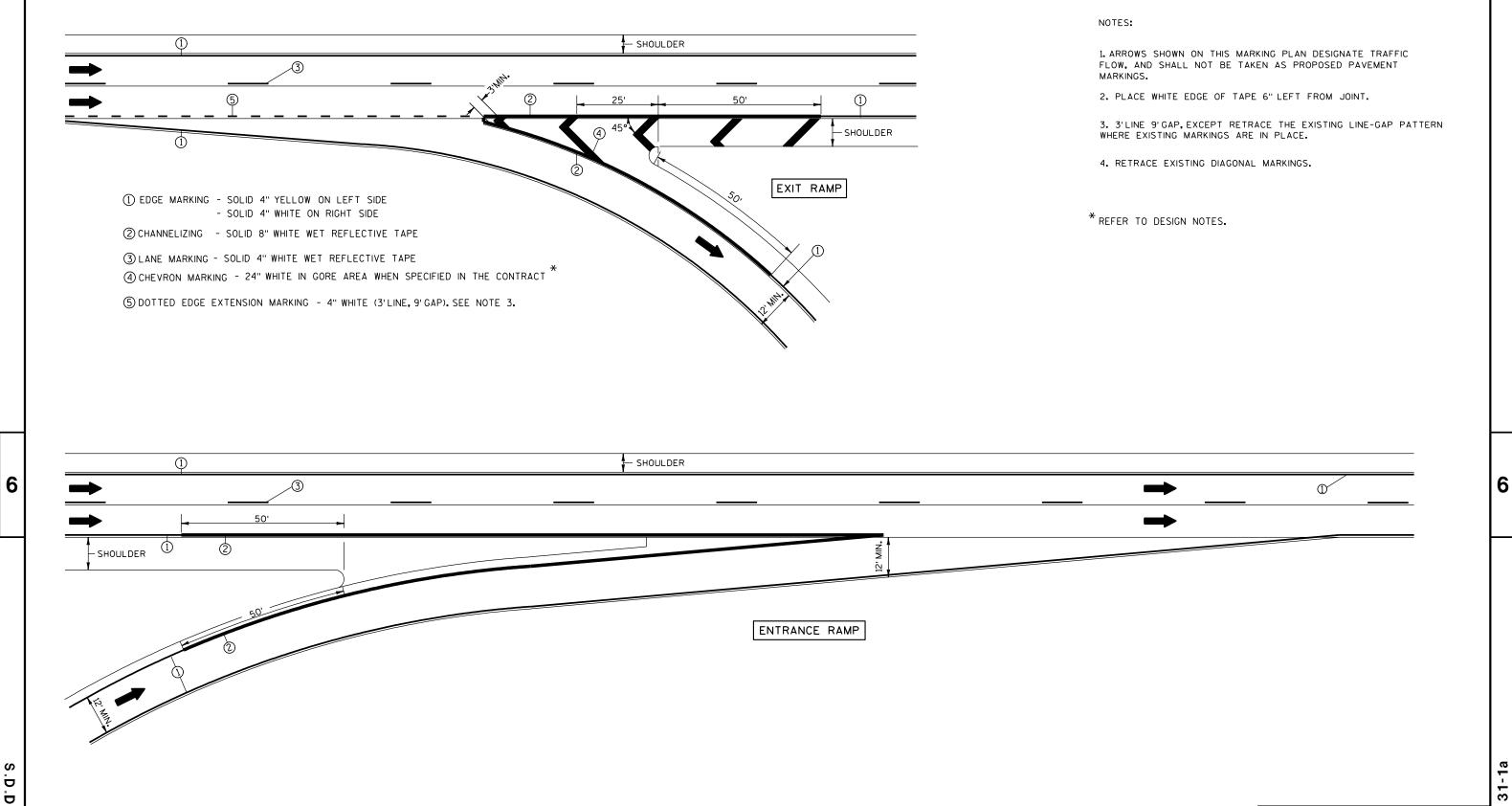
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15D12-05B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

6







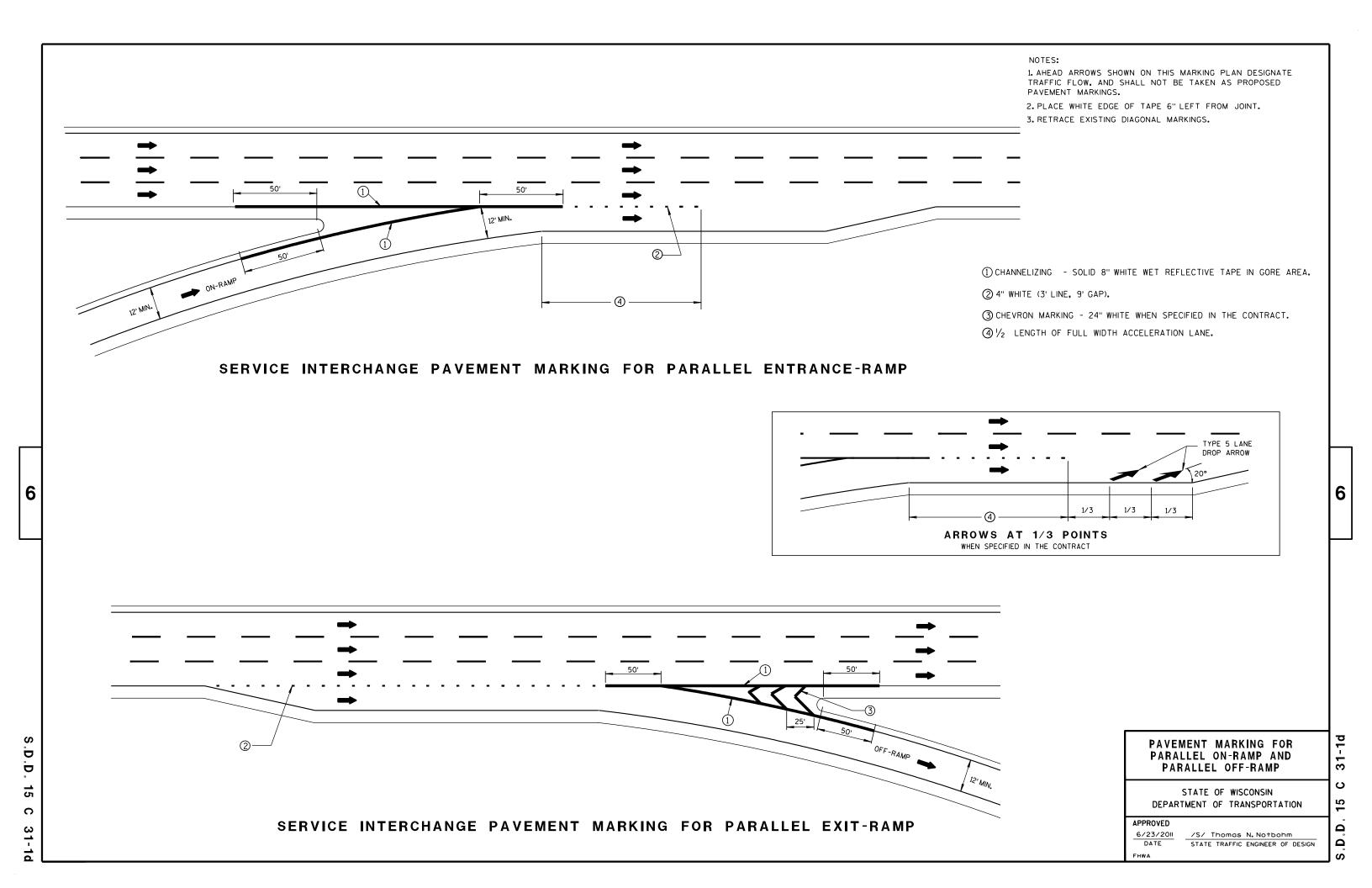


C

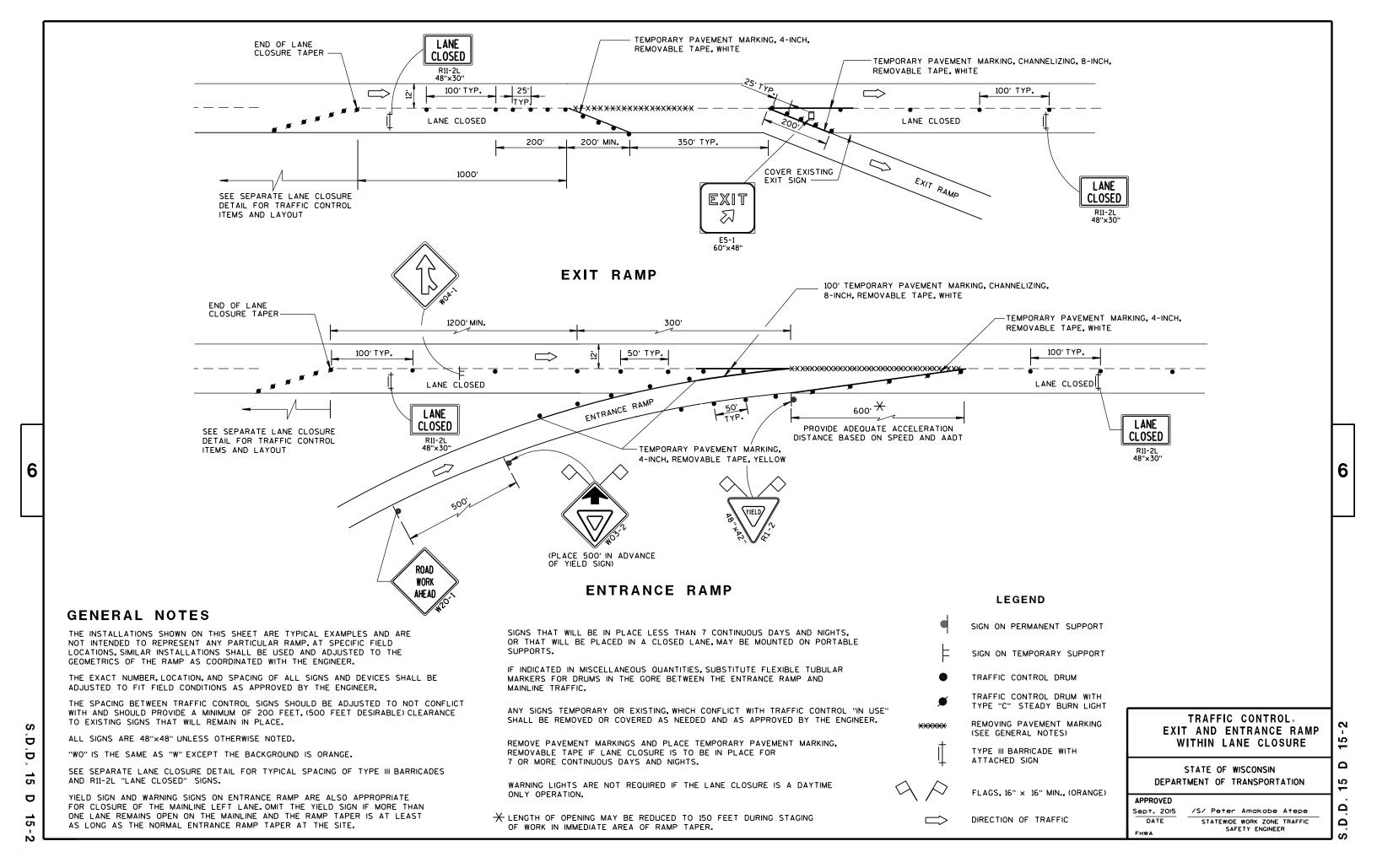
3.D.D. 15 C 31-1a

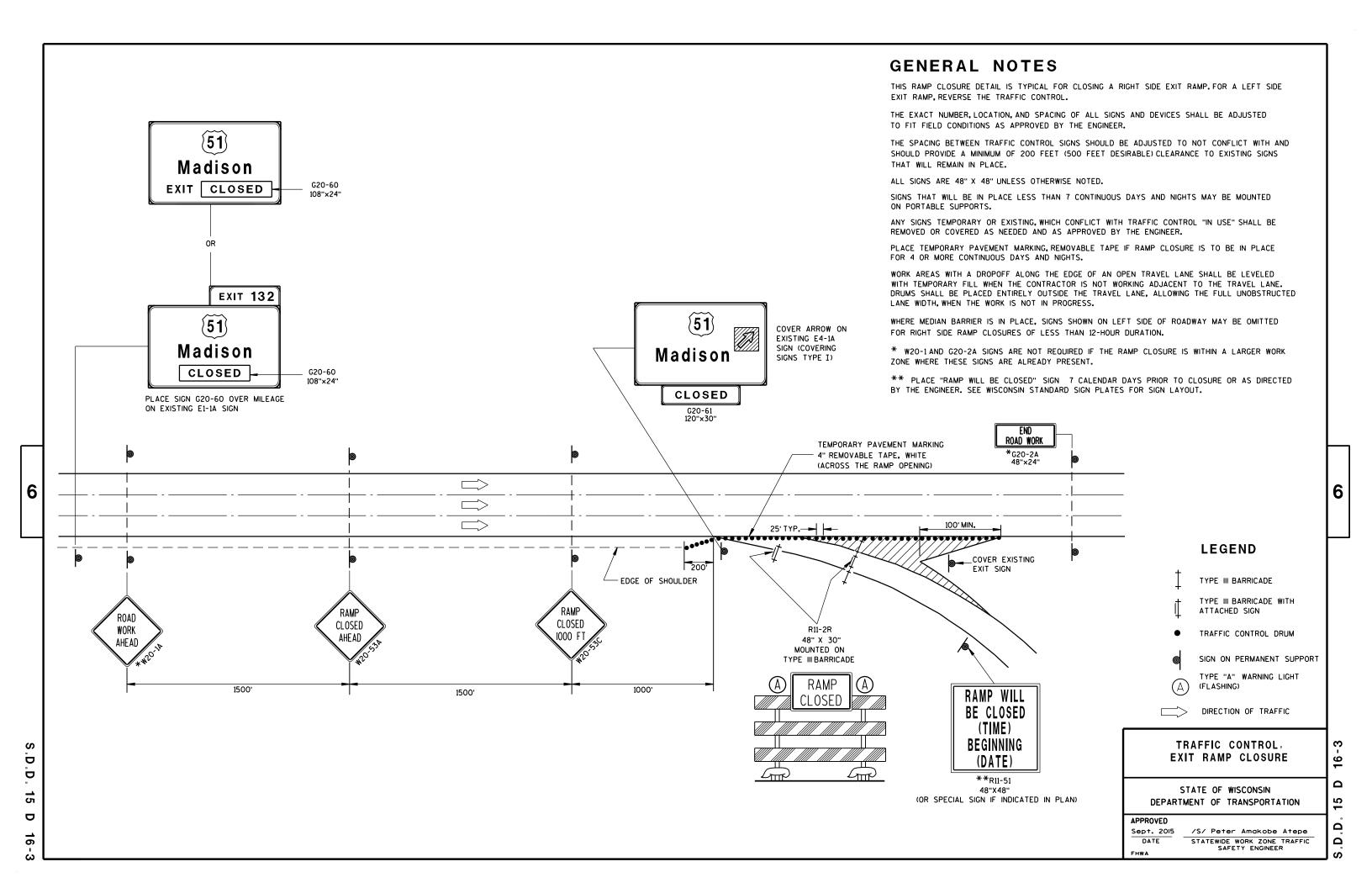
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

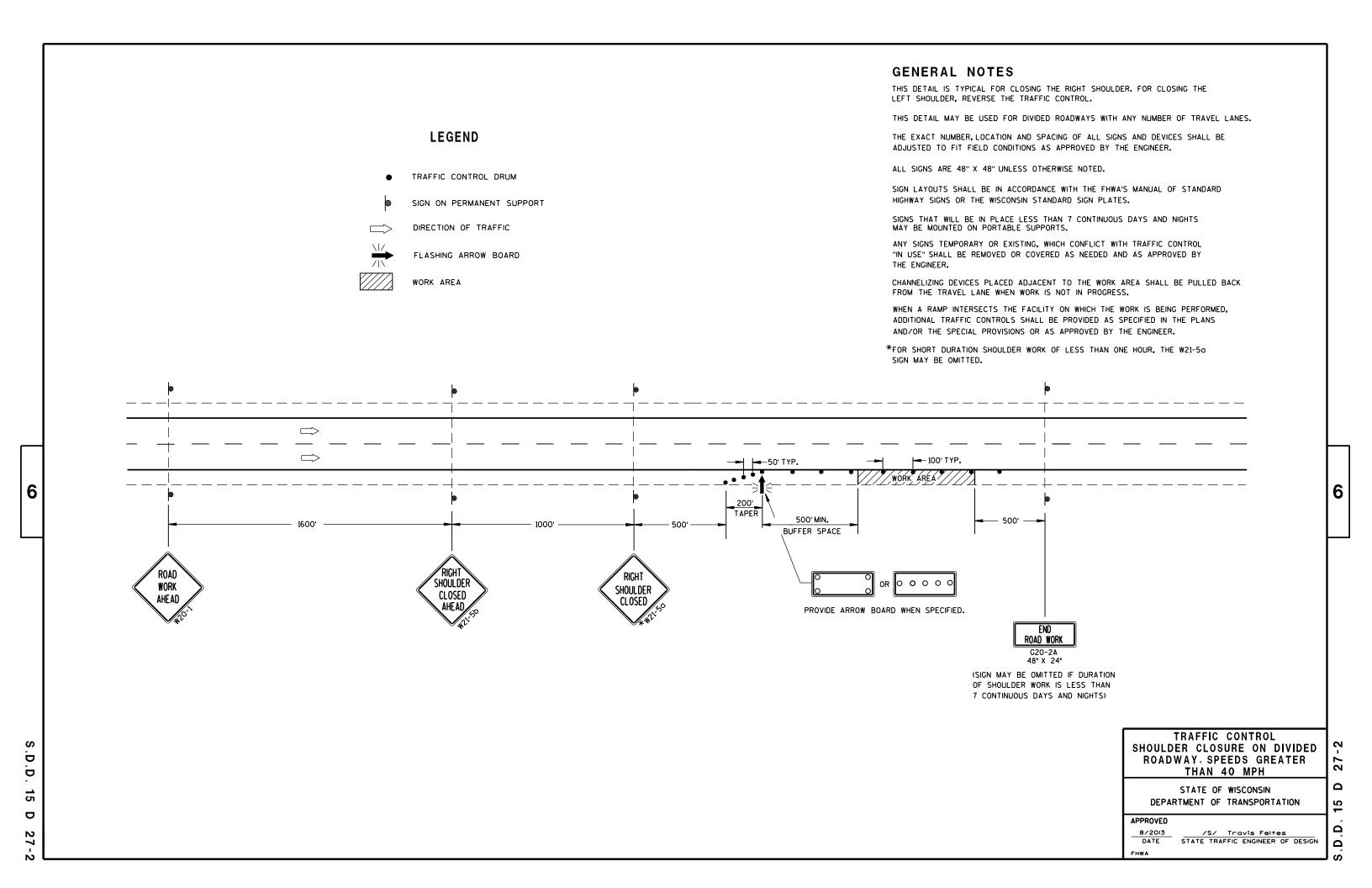
PAVEMENT MARKING (RAMPS AND GORES)



#### **GENERAL NOTES LEGEND** THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING OPERATION. SIGN ON PERMENENT SUPPORT SIGNS. IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. 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. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. \* X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS \* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 1500 FEET IN FRONT OF DRUMS. \*\* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS. ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS. SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A 65 MPH RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN. ĽІМІТ 55 R2-1 48"×60" (BLACK AND 6 6 RICHT LAN WHITE) WORK CLOSED CLOSED I MILE 1500 F XX M.P.H 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' $\Rightarrow$ $\Rightarrow$ WORK AREA 50' TYP. 500' 350' 500' MIN. - 800' DESIRABLE 500 575 MIN. MIN. TAPER 500 55 MPH - 660' 2600' 1600' 1000' S TRAFFIC CONTROL, LANE Ö CLOSURE, SPEED REDUCTION 2 5 DRUMS SPACED @ 10' INTERVALS AS D NEEDED IN FRONT OF ARROW BOARD STATE OF WISCONSIN S ADVANCED WARNING AREA TRANSITION AREA **BUFFER SPACE** DEPARTMENT OF TRANSPORTATION 2 D **APPROVED** Δ F<u>e</u>b. 2015 /S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN Δ FHWA







Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov