FEDERAL PROJECT **JUNE 2017** STATE PROJECT STATE OF WISCONSIN CONTRACT ORDER OF SHEETS PROJECT 4570-23-60 Section No. **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings **HOWARDS GROVE - KIEL** STH 42 - STH 32/57 SOUTH JUNCTION **STH 32** TOTAL SHEETS = 46 **SHEBOYGAN** STATE PROJECT NUMBER 4570-23-60 R-22-E R-21-E R-23-E DESIGN DESIGNATION 4570-23-30 AADT 2017 = 3600 A.A.D.T. 2037 = 4200 = 440 D.H.V. pigeon D.D. = 60-40 = 7.0 **END PROJECT** DESIGN SPEED = 55 MPH **BEGIN PROJECT** 691+50 = 650,000 307+75 Shebovgan Y = 209,601.67X = 188,843.22 **C**enter CONVENTIONAL SYMBOLS hart GRADE LINE CORPORATE LIMITS Franklin ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOTTINE (To be noted as such) LIMITED HIGHWAY EASEMENT SPECIAL DITCH STATE OF WISCONSIN EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE DEPARTMENT OF TRANSPORTATION Elkhart SLOPE INTERCEPT CULVERT (Profile View) PREPARED BY UTILITIES WISDOT NE REGION REFERENCE LINE Surveyor Johnsonville ELECTRIC Designer EXISTING CULVERT FIBER OPTIC Project Manage PROPOSED CULVERT Regional Examiner SANITARY SEWER COMBUSTIBLE FLUIDS STORM SEWER TELEPHONE SCALE I PPROVED FOR THE DEPARTMENT MARSH AREA HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY

WOODED OR SHRUB AREA

UTILITY PEDESTAL

TELEPHONE POLE

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TOTAL NET LENGTH OF CENTERLINE = 7.268 MI

COORDINATES, SHEBOYGAN COUNTY, NAD83 (2011), IN U.S. SURVEY FEET.

GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES.

4-21-2017

TDS TELECOM - COMMUNICATION LINE

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA WHICH 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 WHICH HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES AREA MEMBERS OF DIGGERS HOTLINE.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION

4902 N BILTMORE LANE MADISON, WI 53718 ATTN: JASON HOGAN

ALLIANT ENERGY - ELECTRICITY

UTILITIES

SUITE 1000

PHONE: 608-458-4871

E-MAIL: jasonhogan@alliantenergy.com

ANR PIPELINE CO - GAS/PETROLEUM W3925 PIPELINE LANE

EDEN, WI 53019 ATTN: LAWRENCE HUBER PHONE: 920-477-2235

E-MAIL: lawrence_huber@transcanada.com

ATC MANAGEMENT, INC - ELECTRICITY

801 O'KEEFE ROAD PO BOX 6113 DE PERE, WI 54115-6113 ATTN: MIKE OLSEN PHONE: 920-338-6582 E-MAIL: molsen@atcllc.com

FRONTIER COMMUNICATION OF WILLC - COMMUNICATION LINE

521 4TH STREET **WAUSAU, WI 54403** ATTN: STUART NORMAN PHONE: 715-847-1320 E-MAIL: stuart.norman@ftr.com

RHINE & PLYMOUTH SANITARY DISTRICT #1 - SEWER

N7400 CTH J PLYMOUTH, WI 53073 ATTN: KEITH ABLER PHONE: 920-876-2497 E-MAIL: kabler@wi.rr.com SUITE 218A 10 COLLEGE AVENUE APPLETON, WI 54911 ATTN: STEVE JAKUBIEC PHONE: 920-882-4166

E-MAIL: steve.jakubiec@tdstelecom.com

TIME WARNER CABLE - COMMUNICATION LINE 1320 N DR MARTIN LUTHER KING JR DRIVE MILWAUKEE, WI 53212-4002 ATTN: STEVEN CRAMER PHONE: 414-277-4045

E-MAIL: wis.engineering@twcable.com

WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM 700 N ADAMS STREET

PO BOX 19001 GREEN BAY, WI 54307-9001 ATTN: LORI BUTRY PHONE: 920-433-1703

E-MAIL: LAButry@integrysgroup.com

WE ENERGIES - ELECTRICITY 333 WEST EVERETT STREET, ROOM A299 MILWAUKEE, WI 53203 ATTN: LATROY BRUMFIELD PHONE: 414-221-5417

E-MAIL: LaTroy.Brumfield@we-energies.com

WDNR LIAISON

OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

JAY SCHIEFELBEIN DNR NORTHEAST REGIONAL HQ 2984 SHAWANO AVENUE GREEN BAY, WI 54313 OFFICE:(920) 360-3784 E-MAIL: jeremiah.schiefelbein@wisconsin.gov

SHEBOYGAN AND MANITOWOC **COUNTY COMMISSIONERS**

GREG SCHNELL SHEBOYGAN COUNTY HIGHWAY COMMISSIONER 1211 N 23RD SHEBOYGAN, WI 53081 (920) 459-3822 TEL:

FAX: (920) 459-3831 E-MAIL: schnegfs@co.sheboygan.wi.us

MARC HOLSEN MANITOWOC COUNTY HIGHWAY COMMISSIONER 3500 STH 310

MANITOWOC, WI 54220 (920) 683-4353 TFI: FAX: (920) 683-4366

marcholsen@co.manitowoc.wi.us E-MAIL:

NE REGION SURVEY COORDINATOR

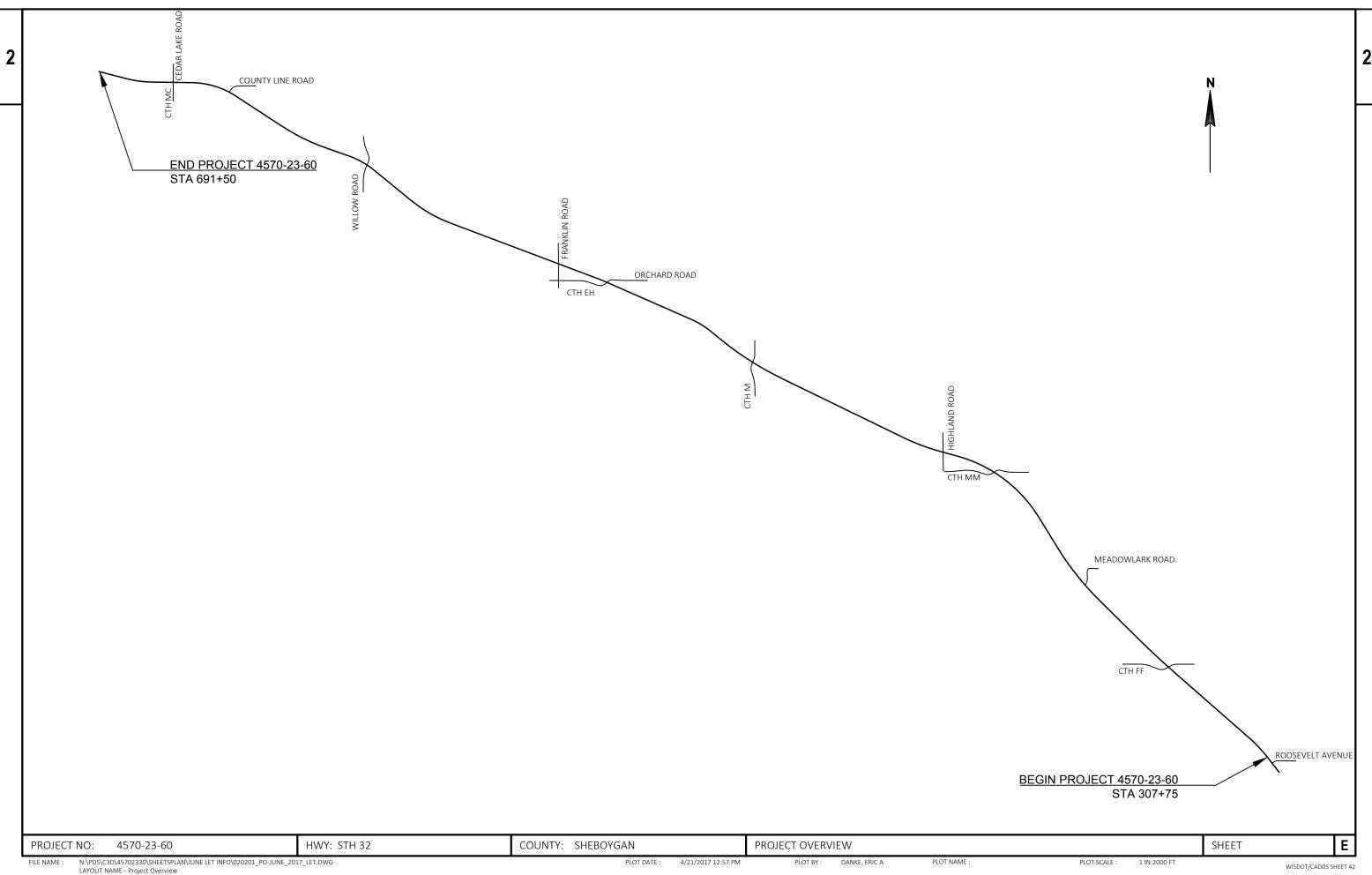
CORMAC MCINNIS, RLS 944 VANDERPERREN WAY GREEN BAY, WI 54304 TEL: (920) 492-5638 TEM: E-MAIL:

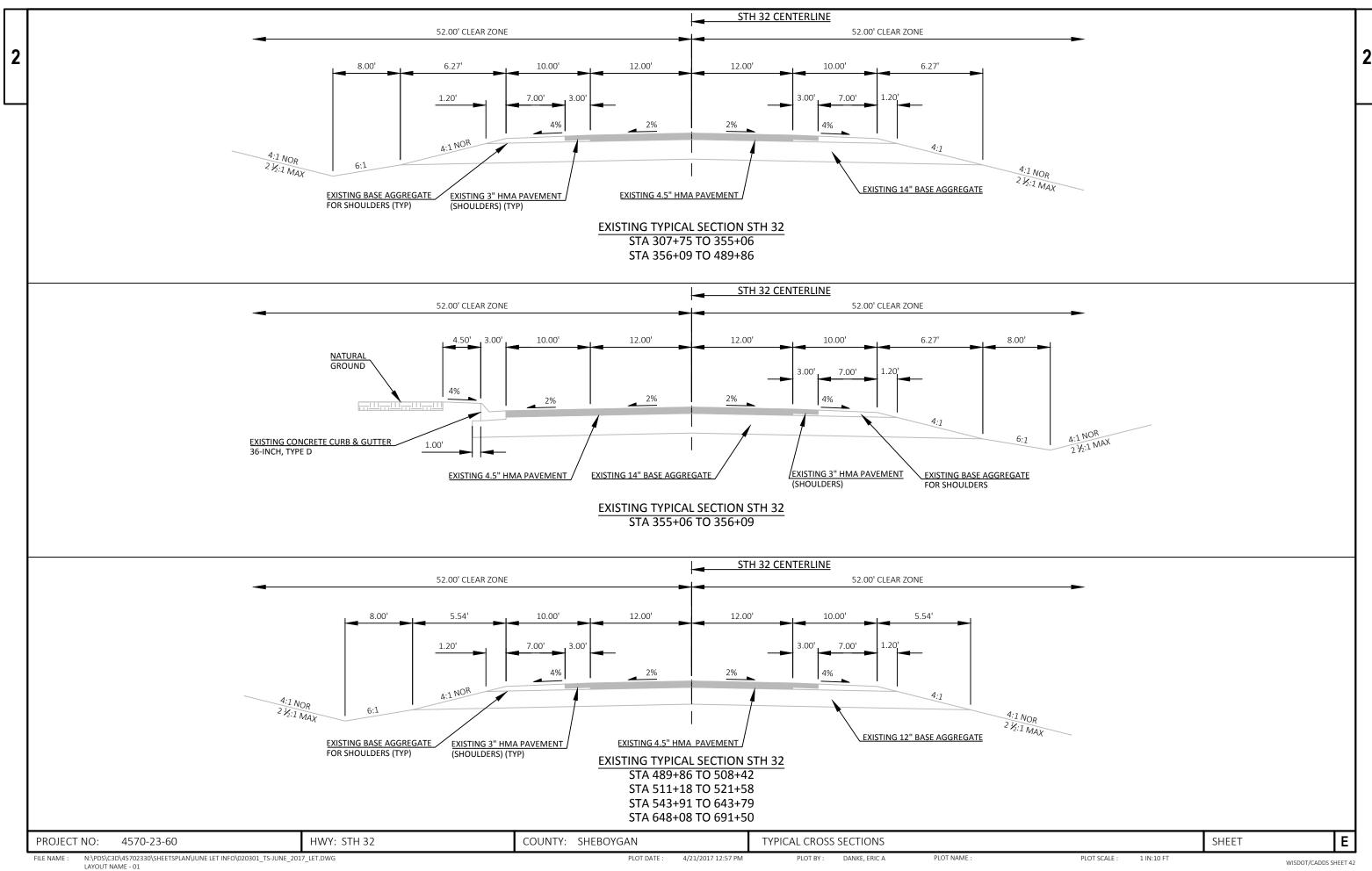
cormac.mcinnis@dot.wi.gov

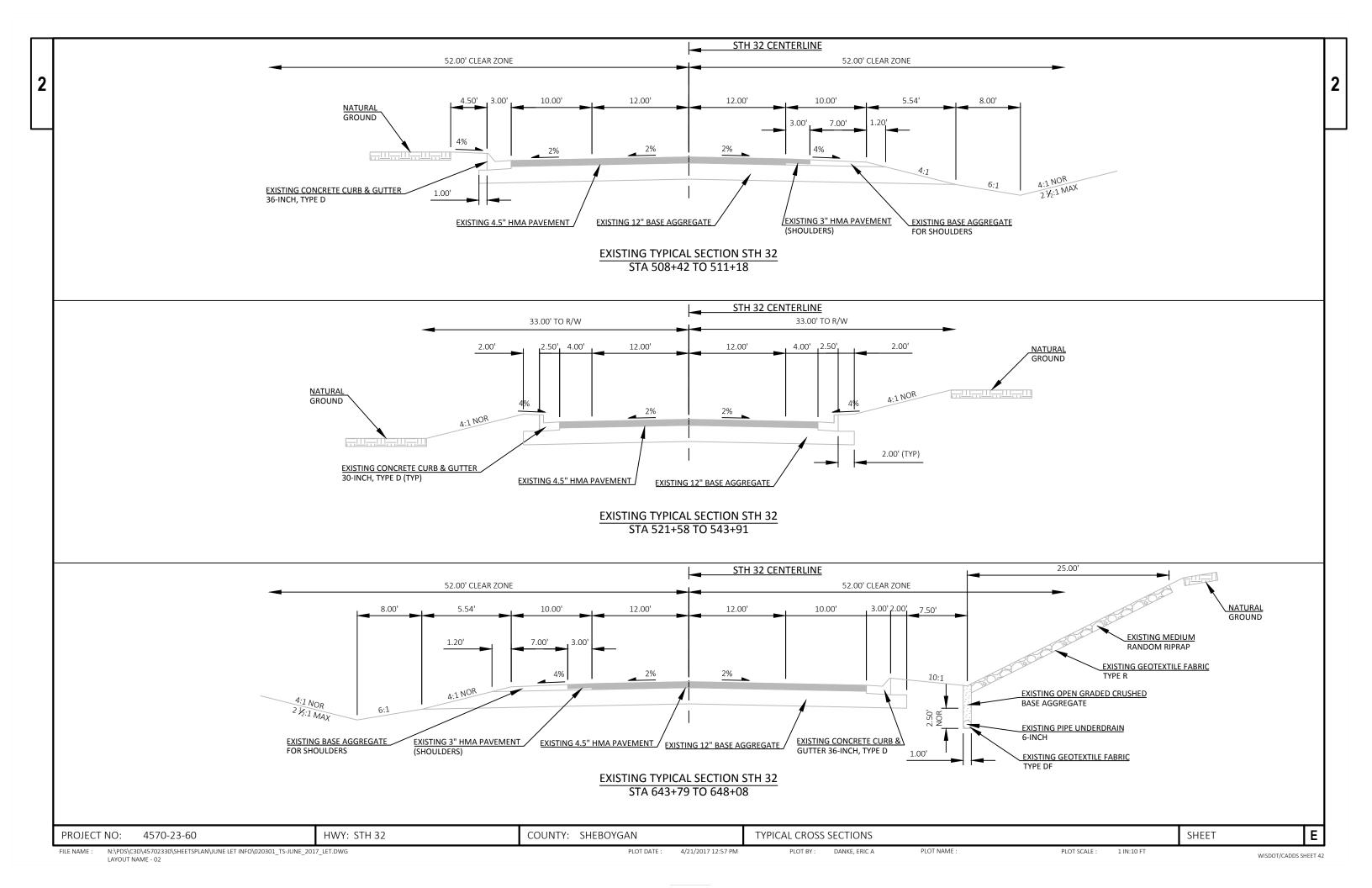


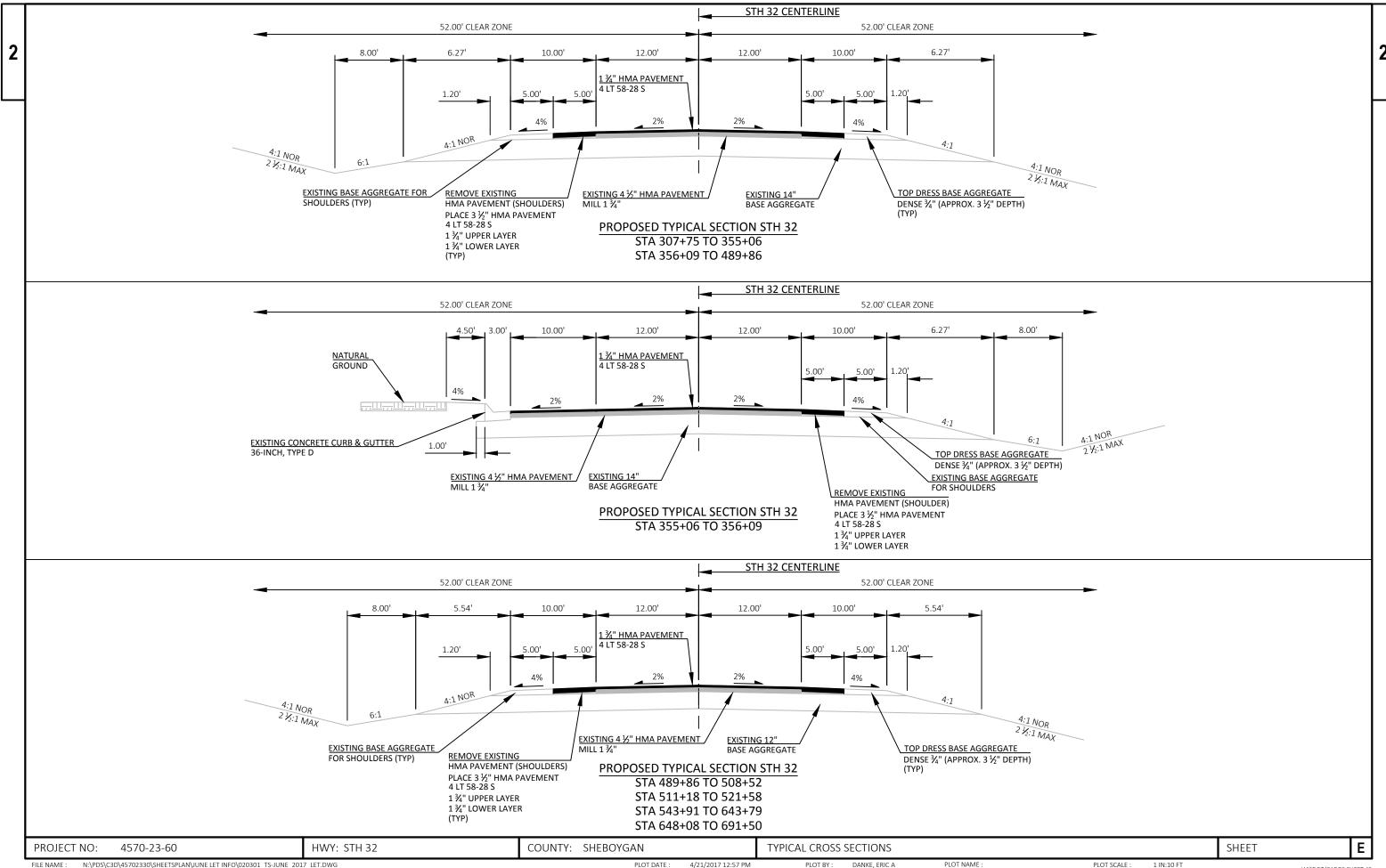
PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN **GENERAL NOTES** SHEET Ε

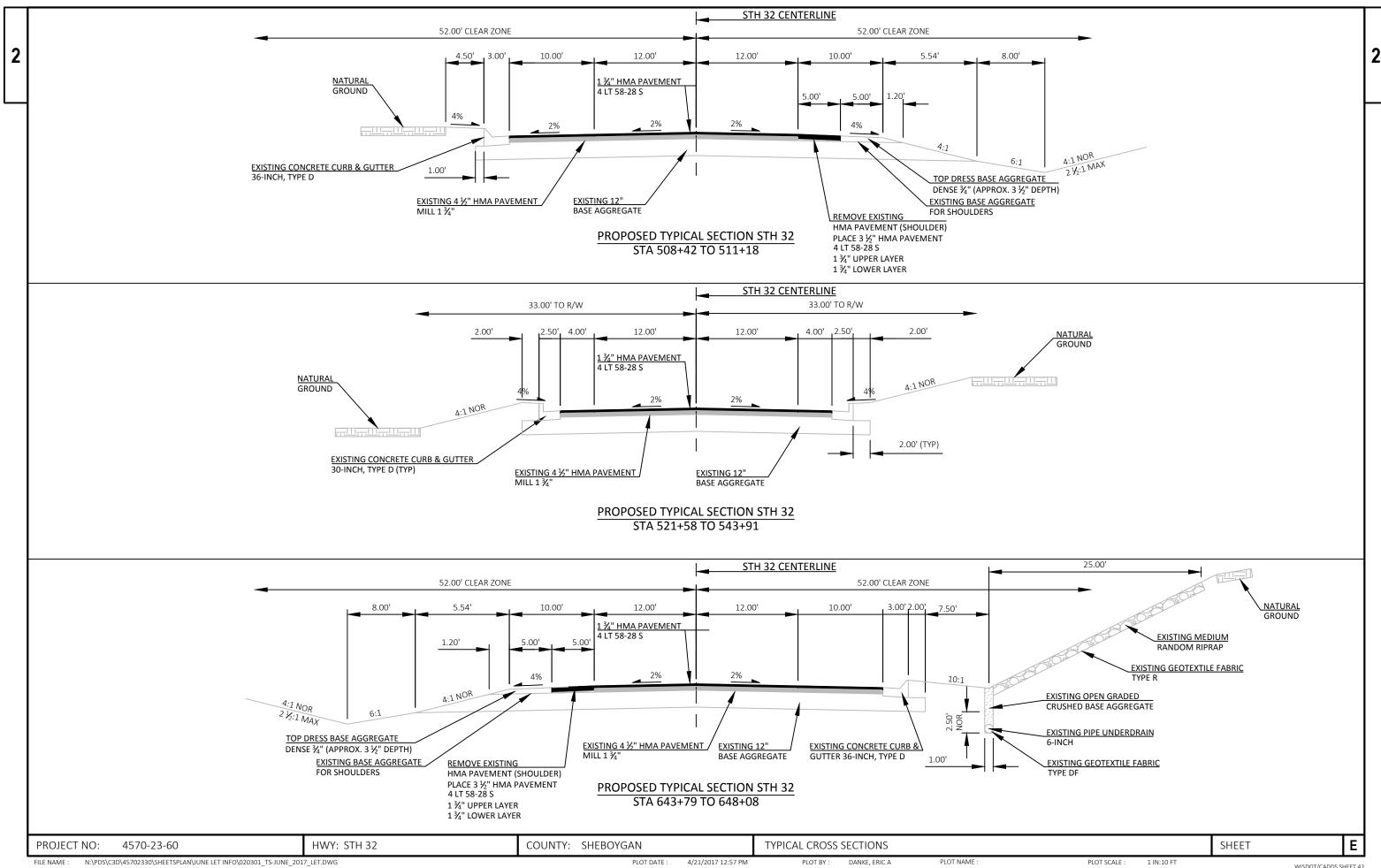
DANKE, ERIC A PLOT NAME PLOT SCALE : N:\PDS\C3D\45702330\SHEETSPLAN\JUNE LET INFO\020101_GN-JUNE_2017_LET.DWG PLOT DATE : 4/21/2017 12:57 PM 1 IN:10 FT PLOT BY: WISDOT/CADDS SHEET 42 LAYOUT NAME - 01



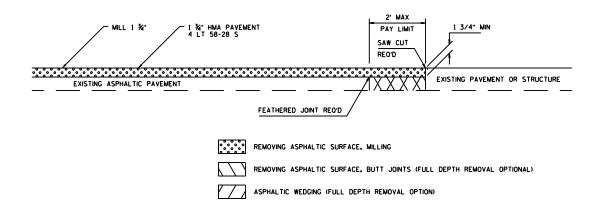








LAYOUT NAME - 04



BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

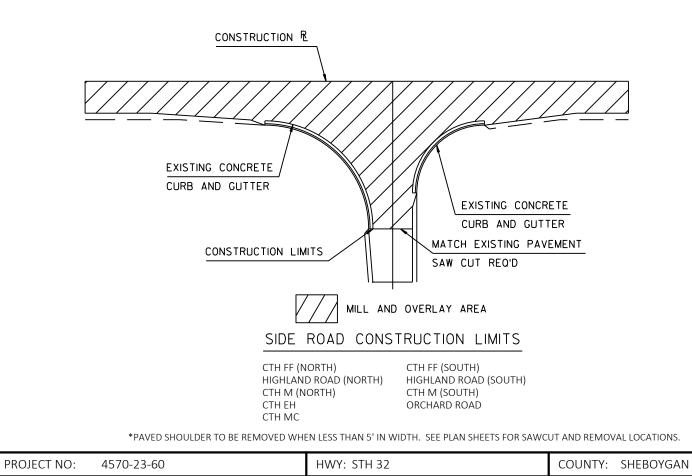
LANE JOINT 3/4" NOTCH PAVEMENT MARKING **TEMPORARY PAVEMENT SAME DAY, EPOXY MILL OUT NOTCHED WEDGE MARKING PRIOR TO PASS #2 PASS #1 - UPPER LAYER PASS #2 - UPPER LAYER EXISTING PAVEMENT BASE

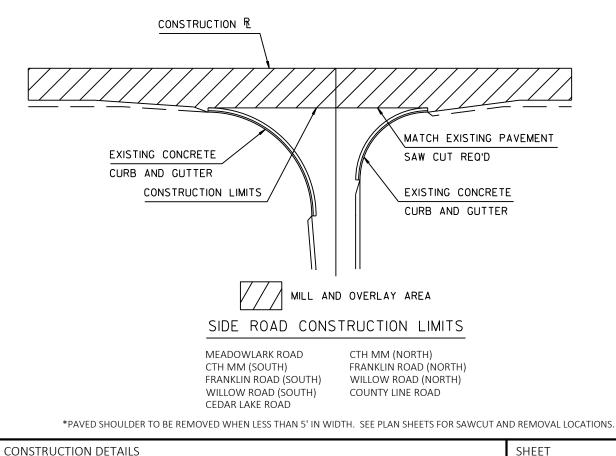
UPPER LAYER

SEE SPV.0090.01 "MILLING AND REMOVING TEMPORARY JOINT" FOR MILLING DETAILS

TYPICAL PAVEMENT CROSS SECTION AT NOTCHED WEDGE LONGITUDINAL JOINT

** - "PASS WITH CARE" SIGNS TO BE PLACED EVERY HALF-MILE OR AS DIRECTED BY THE ENGINEER AFTER PLACING TEMPORARY PAVEMENT MARKING





FILE NAME : N:\PDS\C3D\45702330\SHEETSPLAN\JUNE LET INFO\020401_CD-JUNE_2017_LET.DWG

PLOT DATE :

PLOT BY:

PLOT SCALE:

Ε

LAYOUT NAME - 01

4/25/2017 7:55 AM

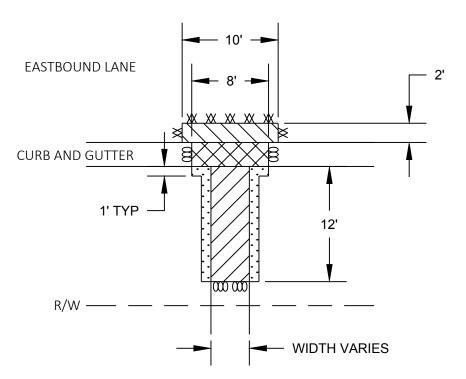
DANKE, ERIC A

PLOT NAME :

1 IN:10 FT

2

STH 32 CENTERLINE — — — — — — — —



REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK 4-INCH (IF APPLICABLE)

REMOVE EXISTING CURB CUT AND REPLACE WITH CONCRETE CURB & GUTTER 30-INCH TYPE D

REMOVE EXISTING ASPHALT PAVEMENT AND REPLACE WITH 4.5" HMA PAVEMENT 4 LT 58-28 S

RESTORE DISTURBED AREAS WITH TOPSOIL, FERTILIZER, SEED, AND MULCH

XX SAWING ASPHALT

SAWING CONCRETE

CURB CUT AND SIDEWALK REMOVAL AND REPLACE DETAIL

STA 524+82 RT STA 529+61 LT STA 530+79 LT STA 532+22 LT

PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN PLAN: CONSTRUCTION DETAILS

PLOT SCALE :

Line Item Item Description Unit Total Qty 0010 204,0110 Removing Asphalic Surface But Joints SY 22,084,000 22,084,000 0020 204,0120 Removing Asphalic Surface But Joints SY 328,000 328,000 0040 204,0120 Removing Asphalic Surface Milling SY 111,19,000 116,119,000 0050 204,0155 Removing Curb Scale Sitewalk SY 12,000 32,000 0060 211,0100 Propare Foundation for Asphaltic Paving (project) 01. LS 1,000 1,000 0070 211,0400 Propare Foundation for Asphaltic Shoulders STA 710,000 710,000 0070 211,0400 Propare Foundation for Asphaltic Shoulders STA 710,000 710,000 0080 213,0100 Finishing Roadway (project) 01. 4570-23-80 EACH 1,000 1,000 0100 305,0100 Sabapia Shoulders STA 4,000 4,000 0101 410,0440 Aloute Remover Foundation for Asphaltic Shoulder Rumbian for Shout						4570-23-60	
2010	Line	Item	Item Description	Unit	Total	Qty	
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204 0120 Removing Asphaltic Surface Milling SY 116,119,000 116,119,000							
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0170 465.0110 Asphaltic Surface Patching TON 2,488.000 2,488.000 0180 465.0425 Asphaltic Shoulder Rumble Strips 2-Lane Rural LF 57,886.000 57,886.000 0200 601.0411 Concrete Curb & Gutter 30-Inch Type D LF 32,000 32.000 0210 602.0405 Concrete Sidewalk 4-Inch SF 104.000 104.000 0220 611.0535 Manhole Covers Type J-Special EACH 1.000 1.000 0230 611.8110 Adjusting Manhole Covers EACH 7.000 7.000 0240 18.0100 Mobilization EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT							
0190 465.0475 Asphalt Center Line Rumble Strips 2-Lane Rural LF 28,543.000 28,543.000 0200 601.0411 Concrete Curb & Gutter 30-Inch Type D LF 32.000 32.000 0210 602.0405 Concrete Sidewalk 4-Inch SF 104.000 104.000 0220 611.0535 Manhole Covers Type J-Special EACH 1.000 1.000 0230 611.8110 Adjusting Manhole Covers EACH 7.000 7.000 0240 618.0100 Maintenance And Repair of Haul Roads (project) 01. EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 629.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0300 630.0140 Seeding Mixture No.40 LB 0.40 0.400 0310 642.5001 Field Office Type B<	0170	465.0110	Asphaltic Surface Patching	TON		2,488.000	
0190 465.0475 Asphalt Center Line Rumble Strips 2-Lane Rural LF 28,543.000 28,543.000 0200 601.0411 Concrete Curb & Gutter 30-Inch Type D LF 32.000 32.000 0210 602.0405 Concrete Sidewalk 4-Inch SF 104.000 104.000 0220 611.0535 Manhole Covers Type J-Special EACH 1.000 1.000 0230 611.8110 Adjusting Manhole Covers EACH 7.000 7.000 0240 618.0100 Maintenance And Repair of Haul Roads (project) 01. EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0300 630.0140 Seeding Mixture No.40 LB 0.40 0.400 0310 642.5001 Field Office Type B<	0180	465.0425		LF			
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0220 611.0535 Manhole Covers Type J-Special EACH 1.000 1.000 0230 611.8110 Adjusting Manhole Covers EACH 7.000 7.000 0240 618.0100 Maintenance And Repair of Haul Roads (project) 01. EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0340 643.0310.S Temporary Portable Rumble Strips LS	0200	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	32.000	32.000	
0230 611.8110 Adjusting Manhole Covers EACH 7.000 7.000 0240 618.0100 Maintenance And Repair of Haul Roads (project) 01. EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 30.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000	0210	602.0405	Concrete Sidewalk 4-Inch	SF	104.000	104.000	
0240 618.0100 Maintenance And Repair of Haul Roads (project) 01. 4570-23-60 EACH 1.000 1.000 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C	0220	611.0535	Manhole Covers Type J-Special	EACH	1.000	1.000	
4570-23-60 0250 619.1000 Mobilization EACH 1.000 1.000 0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370	0230	611.8110	Adjusting Manhole Covers	EACH	7.000	7.000	
0260 624.0100 Water MGAL 31.400 31.400 0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0240	618.0100		EACH	1.000	1.000	
0270 625.0100 Topsoil SY 10.000 10.000 0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0250	619.1000	Mobilization	EACH	1.000	1.000	
0280 627.0200 Mulching SY 10.000 10.000 0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0260	624.0100	Water	MGAL	31.400	31.400	
0290 629.0210 Fertilizer Type B CWT 0.040 0.040 0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0270	625.0100	Topsoil	SY	10.000	10.000	
0300 630.0140 Seeding Mixture No. 40 LB 0.400 0.400 0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0280	627.0200	Mulching	SY	10.000	10.000	
0310 642.5001 Field Office Type B EACH 1.000 1.000 0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0290	629.0210	Fertilizer Type B	CWT	0.040	0.040	
0320 643.0100 Traffic Control (project) 01. 4570-23-60 EACH 1.000 1.000 0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0300	630.0140	Seeding Mixture No. 40	LB	0.400	0.400	
0330 643.0300 Traffic Control Drums DAY 300.000 300.000 0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0310	642.5001	Field Office Type B	EACH	1.000	1.000	
0340 643.0310.S Temporary Portable Rumble Strips LS 1.000 1.000 0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0320	643.0100	Traffic Control (project) 01. 4570-23-60	EACH	1.000	1.000	
0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0330	643.0300	Traffic Control Drums	DAY	300.000	300.000	
0350 643.0715 Traffic Control Warning Lights Type C DAY 75.000 75.000 0360 643.0900 Traffic Control Signs DAY 1,219.000 1,219.000 0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0340	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000	
0370 643.1050 Traffic Control Signs PCMS DAY 14.000 14.000	0350	643.0715		DAY	75.000	75.000	
·	0360	643.0900	Traffic Control Signs	DAY	1,219.000	1,219.000	
0380 646.0406 Pavement Marking Same Day Epoxy 4-Inch LF 76,680.000 76,680.000	0370	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
	0380	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	76,680.000	76,680.000	

Estimate Of Quantities Page 2

					4570-23-60	30
Line	Item	Item Description	Unit	Total	Qty	
0390	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	69,540.000	69,540.000)0
0400	646.2308.S	Pavement Marking Grooved Wet Reflective Epoxy 8-Inch	LF	400.000	400.000)0
0410	648.0100	Locating No-Passing Zones	MI	7.300	7.300)0
0420	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	6,990.000	6,990.000)0
0430	650.8000	Construction Staking Resurfacing Reference	LF	38,375.000	38,375.000)0
0440	650.9910	Construction Staking Supplemental Control (project) 01. 4570-23-60	LS	1.000	1.000)0
0450	690.0150	Sawing Asphalt	LF	67,972.000	67,972.000)0
0460	690.0250	Sawing Concrete	LF	29.000	29.000)0
0470	SPV.0060	Special 01. Hot Mix Asphalt Percent Within Limits (PWL) Test Strip	EACH	1.000	1.000)0
0480	SPV.0090	Special 01. Milling and Removing Temporary Joint	LF	38,375.000	38,375.000)0

REMOVING ASPHALTIC SURFACE BUTT JOINTS

201	0115
71.14	(//////////////////////////////////////

		204.0115	
STATION TO STATION	LOCATI ON	SY	REMARKS
CATEGORY 0010			
307+75 - 307+77	STH 32	7	BEGINNING OF PROJECT
345+26 - 345+51	CTH FF	6	WEST OF STH 32
344+13 - 344+39	CTH FF	6	EAST OF STH 32
376+30 - 377+81	MEADOWLARK ROAD	33	EAST OF STH 32
416+53 - 417+81	CTH MM	28	EAST OF STH 32
417+19 - 418+48	CTH MM	28	WEST OF STH 32
432+40 - 432+66	HI GHLAND ROAD	6	WEST OF STH 32
432+81 - 433+08	HI GHLAND ROAD	6	EAST OF STH 32
490+69 - 491+03	CTH M	8	WEST OF STH 32
490+97 - 491+36	CTH M	8	EAST OF STH 32
536+06 - 536+19	ORCHARD ROAD	7	EAST OF STH 32
537+66 - 537+88	CTH EH	6	WEST OF STH 32
550+85 - 552+04	FRANKLIN ROAD	26	WEST OF STH 32
550+97 - 552+22	FRANKLIN ROAD	28	EAST OF STH 32
611+05 - 612+39	WILLOW ROAD	29	WEST OF STH 32
611+08 - 612+29	WILLOW ROAD	27	EAST OF STH 32
654+16 - 655+43	COUNTY LINE ROAD	28	EAST OF STH 32
670+18 - 671+39	CEDAR LAKE ROAD	27	EAST OF STH 32
670+75 - 671+06	CTH EH	7	WEST OF STH 32
691+48 - 691+50	STH 32	7	END OF PROJECT
	TOTAL 0010	328	

HWY: STH 32

PROJECT NO: 4570-23-60

CURB CUT REMOVAL SUMMARY

			*REMOVI NG ASPHALTI C SURFACE 204. 0110	REMOVI NG CURB & GUTTER 204. 0150	REMOVI NG CONCRETE SI DEWALK 204. 0155	*SAWI NG ASPHALT 690. 0150	SAWI NG CONCRETE 690. 0250
STATION TO	STATI ON	LOCATI ON	SY	LF	SY	LF	LF
CATEGORY 0010							
524+77 -	524+87	STH 32, RT	2	8	5	14	9
529+56 -	529+66	STH 32, LT	2	8	3	14	7
530+74 -	530+84	STH 32, LT	2	8	0	14	5
532+17 -	532+27	STH 32, LT	2	8	4	14	8
		TOTAL 0010	8	32	12	56	29

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

MISCELLANEOUS QUANTITIES

REMOVING ASPHALTIC SURFACE MILLING

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		201.0120	
STATION TO STATION	LOCATI ON	SY	REMARKS
CATEGORY 0010			
307+75 - 341+94	STH 32	9, 117	BEGINNING OF PROJECT TO CTH FF INTERSECTION
341+94 - 347+22	STH 32	3, 631	CTH FF INTERSECTION
347+22 - 375+15	STH 32	7, 698	CTH FF INTERSECTION TO MEADOWLARK ROAD INTERSECTION
375+15 - 378+44	STH 32	1, 191	MEADOWLARK ROAD INTERSECTION
378+44 - 413+78	STH 32	9, 486	MEADOWLARK ROAD INTERSECTION TO CTH MM INTERSECTION
413+78 - 420+02	STH 32	2, 337	CTH MM INTERSECTION
420+02 - 430+43	STH 32	2, 795	CTH MM INTERSECTION TO HIGHLAND ROAD INTERSECTION
430+43 - 434+21	STH 32	2, 114	HI GHLAND ROAD INTERSECTION
434+21 - 486+26	STH 32	13, 886	HIGHLAND ROAD INTERSECTION TO CTH M INTERSECTION
486+26 - 497+58	STH 32	5, 293	CTH M INTERSECTION
497+58 - 534+86	STH 32	11, 453	CTH M INTERSECTION TO CTH EH/ORCHARD ROAD INTERSECTION
534+86 - 538+98	STH 32	2, 953	CTH EH/ORCHARD ROAD INTERSECTION
538+98 - 549+78	STH 32	3, 111	CTH EH/ORCHARD ROAD INTERSECTION TO FRANKLIN ROAD INTERSECTION
549+78 - 553+11	STH 32	1, 433	FRANKLIN ROAD INTERSECTION
553+11 - 610+21	STH 32	15, 228	FRANKLIN ROAD INTERSECTION TO WILLOW ROAD INTERSECTION
610+21 - 613+37	STH 32	1, 415	WILLOW ROAD INTERSECTION
613+37 - 653+08	STH 32	11, 238	WILLOW ROAD INTERSECTION TO COUNTY LINE ROAD INTERSECTION
653+08 - 656+11	STH 32	1, 338	COUNTY LINE ROAD INTERSECTION
656+11 - 668+45	STH 32	3, 298	COUNTY LINE ROAD INTERSECTION TO CTH MC/CEDAR LAKE ROAD INTERSECTION
668+45 - 672+68	STH 32	2, 086	CTH MC/CEDAR LAKE ROAD INTERSECTION
672+68 - 691+50	STH 32	5, 018	CTH MC/CEDAR LAKE ROAD INTERSECTION TO END OF PROJECT
	TOTAL 0010	116, 119	

COUNTY: SHEBOYGAN FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME : PLOT SCALE: 1:1

SHEET:

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SHOULDER WORK SUMMARY

			PREPARE	BASE				
		*REMOVI NG	FOUNDATION	AGGREGATE	CHADING		*CAMI NO	
		ASPHALTI C	FOR ASPHALTIC	DENSE	SHAPI NG	WATED	*SAWI NG	
		SURFACE	SHOULDERS	3/4-I NCH	SHOULDERS	WATER	ASPHALT	
CTATION TO CTATION	LOCATION	204. 0110	211. 0400	305. 0110 TON	305. 0500 STA	624. 0100	690. 0150 LF	DEMARKS
STATION TO STATION	LOCATI ON	SY	STA	TON	SIA	MGAL	LF	REMARKS
CATEGORY 0010	CTU 22 LT	1 200	27	120		1 7	2 (0)	DECLINATING OF DROJECT TO CITY OF INTERCECTION
307+75 - 344+44	STH 32, LT	1, 200	37	120		1. 7	3, 606	BEGINNING OF PROJECT TO CTH FF INTERSECTION
346+08 - 355+07	STH 32, LT	249	9	27		0. 4	758	CTH FF INTERSECTION TO CURB AND GUTTER
356+08 - 417+20	STH 32, LT	2, 001	62	198		2. 8	6, 014	CURB AND GUTTER TO CTH MM INTERSECTION
418+47 - 432+03	STH 32, LT	404	14	42		0. 6	1, 222	CTH MM INTERSECTION TO HIGHLAND ROAD INTERSECTION
433+28 - 490+25	STH 32, LT	1, 874	57	183		2. 6	5, 631	HIGHLAND ROAD INTERSECTION TO CTH M INTERSECTION
491+52 - 508+42	STH 32, LT	401	17	48		0. 7	1, 212	CTH M INTERSECTION TO CURB AND GUTTER
511+17 - 522+04	STH 32, LT	341	11	34		0. 5	1, 033	CURB AND GUTTER TO VILLAGE OF ADA CURB AND GUTTER
538+21 - 550+85	STH 32, LT	395	13	40		0. 6	1, 195	CTH EH/ORCHARD ROAD INTERSECTION TO FRANKLIN ROAD INTERSECTION
552+03 - 611+06	STH 32, LT	1, 920	60	189		2. 6	5, 770	FRANKLIN ROAD INTERSECTION TO WILLOW ROAD INTERSECTION
612+38 - 670+35	STH 32, LT	1, 809	58	180		2. 5	5, 437	WILLOW ROAD INTERSECTION TO CTH MC/CEDAR LAKE ROAD INTERSECTION
671+63 - 691+50	STH 32, LT	641	20	64		0. 9	1, 927	CTH MC/CEDAR LAND ROAD INTERSECTION TO END OF PROJECT
307+75 - 343+53	STH 32, RT	1, 152	36	117		1. 6	3, 461	BEGINNING OF PROJECT TO CTH FF INTERSECTION
345+15 - 376+31	STH 32, RT	991	32	99		1. 4	2, 983	CTH FF INTERSECTION TO MEADOWLARK ROAD INTERSECTION
377+80 - 416+54	STH 32, RT	1, 225	39	122		1. 7	3, 686	MEADOWLARK ROAD INTERSECTION TO CTH MM INTERSECTION
417+80 - 432+17	STH 32, RT	405	15	44		0. 6	1, 225	CTH MM INTERSECTION TO HIGHLAND ROAD INTERSECTION
433+41 - 490+51	STH 32, RT	1, 751	58	178		2. 5	5, 262	HIGHLAND ROAD INTERSECTION TO CTH M INTERSECTION
491+79 - 521+58	STH 32, RT	972	30	93		1. 3	2, 927	CTH M INTERSECTION TO VILLAGE OF ADA CURB AND GUTTER
543+90 - 550+98	STH 32, RT	198	8	21		0. 3	605	VILLAGE OF ADA CURB AND GUTTER TO FRANKLIN ROAD INTERSECTION
552+21 - 611+08	STH 32, RT	1, 919	59	188		2. 6	5, 766	FRANKLIN ROAD INTERSECTION TO WILLOW ROAD INTERSECTION
612+28 - 643+80	STH 32, RT	1, 008	32	100		1. 4	3, 034	WILLOW ROAD INTERSECTION TO CURB AND GUTTER
648+07 - 654+17	STH 32, RT	153	7	16		0. 2	469	CURB AND GUTTER TO COUNTY LINE ROAD
655+43 - 670+18	STH 32, RT	429	15	46		0. 6	1, 298	COUNTY LINE ROAD INTERSECTION TO CTH MC/CEDAR LAKE ROAD INTERSECTION
671+38 - 691+50	STH 32, RT	638	21	63		0. 9	1, 918	CTH MC/CEDAR LAND ROAD INTERSECTION TO END OF PROJECT
344+38 - 345+27	STH 32			7	1	0. 1		CTH FF SHOULDERS
432+66 - 432+82	STH 32			1	1	0. 1		HI GHLAND ROAD SHOULDERS
490+81 - 491+28	STH 32			1	1	0. 1		CTH M SHOULDERS
670+69 - 670+76	STH 32			1	1	0. 1		CTH MC SHOULDER
		-						
	T0TAL 0010	22, 076	710	2, 222	4	31. 4	66, 439	

^{*}ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN MISCELLANEOUS QUANTITIES SHEET: **E**

ASPHALTIC MATERIALS SUMMARY

		ASPHALTI C SURFACE PATCHI NG 465. 0110	TACK COAT 455. 0605	REHEATI NG HMA PAVEMENT LONGI TUDI NAL JOI NTS 460. 4110. S	*HMA PAVEMENT 4 LT 58-28 S 460.5224	ASPHALTI C SHOULDER RUMBLE STRI PS 2-LANE RURAL 465. 0425	ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL 465.0475	MI LLI NG AND REMOVI NG TEMPORARY JOI NT SPV. 0090. 01	
STATION TO STATION	LOCATI ON	TON	GAL	LF	TON	LF	LF	LF	REMARKS
CATEGORY 0010									
307+75 - 341+94	STH 32		904	3, 419	1, 738	7, 012	3, 506	3, 419	BEGINNING OF PROJECT TO CTH FF INTERSECTION
341+94 - 347+22	STH 32		270	528	432			528	CTH FF INTERSECTION
347+22 - 375+15	STH 32		748	2, 793	1, 422	5, 676	2, 838	2, 793	CTH FF INTERSECTION TO MEADOWLARK ROAD INTERSECTION
375+15 - 378+44	STH 32		98	329	168	400		329	MEADOWLARK ROAD INTERSECTION
<u>378+44 - 413+78</u>	STH 32		939	3, 534	1, 803	7, 272	3, 636	3, 534	MEADOWLARK ROAD INTERSECTION TO CTH MM INTERSECTION
413+78 - 420+02	STH 32		186	624	314			624	CTH MM INTERSECTION
420+02 - 430+43	STH 32		277	1, 041	531	2, 232	1, 116	1, 041	CTH MM INTERSECTION TO HIGHLAND ROAD INTERSECTION
430+43 - 434+21	STH 32		158	378	254			378	HIGHLAND ROAD INTERSECTION
434+21 - 486+26	STH 32		1, 377	5, 205	2, 646	4, 868	2, 434	5, 205	HIGHLAND ROAD INTERSECTION TO CTH M INTERSECTION
486+26 - 497+58	STH 32		412	1, 132	683			1, 132	CTH M INTERSECTION
497+58 - 534+86	STH 32		974	3, 728	1, 716	4, 706	2, 353	3, 728	CTH M INTERSECTION TO CTH EH/ORCHARD ROAD INTERSECTION
534+86 - 538+98	STH 32		208	412	317			412	CTH EH/ORCHARD ROAD INTERSECTION
538+98 - 549+78	STH 32		282	1, 080	516	122	61	1, 080	CTH EH/ORCHARD ROAD INTERSECTION TO FRANKLIN ROAD INTERSECTION
549+78 - 553+11	STH 32		106	333	169			333	FRANKLIN ROAD INTERSECTION
553+11 - 610+21	STH 32		1, 510	5, 710	2, 903	11, 238	5, 619	5, 710	FRANKLIN ROAD INTERSECTION TO WILLOW ROAD INTERSECTION
610+21 - 613+37	STH 32		103	316	162			316	WILLOW ROAD INTERSECTION
613+37 - 653+08	STH 32		1, 074	3, 971	2, 024	7,830	3, 915	3, 971	WILLOW ROAD INTERSECTION TO COUNTY LINE ROAD INTERSECTION
653+08 - 656+11	STH 32		98	303	155	400		303	COUNTY LINE ROAD INTERSECTION
656+11 - 668+45	STH 32		327	1, 234	628	2, 408	1, 204	1, 234	COUNTY LINE ROAD INTERSECTION TO CTH MC/CEDAR LAKE ROAD INTERSECTION
668+45 - 672+68	STH 32		155	423	249			423	CTH MC/CEDAR LAKE ROAD INTERSECTION
672+68 - 691+50	STH 32		498	1, 882	957	3, 722	1, 861	1, 882	CTH MC/CEDAR LAKE ROAD INTERSECTION TO END OF PROJECT
UNDI STRI BUTED	STH 32	2, 488							FOR ANY REPAIRS NECESSARY TO PAVEMENT AFTER MILLING OPERATIONS
	TOTAL 0010	2, 488	10, 704	38, 375	19, 787	57, 886	28, 543	38, 375	

^{*}ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

PROJECT NO: 4570-23-60	HWY: STH 32	COUNTY: SHEBOYGAN	MISCELLANEOUS QUANTITIES	SHEET:	Е
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FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

CURB CUT REPLACEMENT SUMMARY

		*HMA PAVEMENT 4 LT 58-28 S 460. 5224	CONCRETE CURB & GUTTER 30-I NCH TYPE D 601. 0411	CONCRETE SI DEWALK 4-I NCH 602. 0405	TOPSOI L 625. 0100	MULCHI NG 627. 0200	FERTI LI ZER TYPE B 629. 0210	SEEDI NG MI XTURE NO. 40 630. 0140	DEMONO
STATION TO STATION	LOCATI ON	TON	LF	SF	SY	SY	CWT	LB	REMARKS
CATEGORY 0010									
524+77 - 524+87	STH 32, RT	1	8	46	3	3	0. 01	0. 1	HMA LOWER LAYER
529+56 - 529+66	STH 32, LT	1	8	26	3	3	0. 01	0. 1	HMA LOWER LAYER
530+74 - 530+84	STH 32, LT	1	8	0	1	1	0. 01	0. 1	HMA LOWER LAYER
532+17 - 532+27	STH 32, LT	1	8	32	3	3	0. 01	0. 1	HMA LOWER LAYER
	TOTAL 0010	4	32	104	10	10	0. 04	0. 4	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

SAWING ASPHALT

								690. 0150	
						STATION TO STATION	LOCATI ON	LF	REMARKS
				MANHOLE SUMM	ADV	CATEGORY 0010			
				WAINTOLE SUMM	AKI.	307+75 - 307+75	STH 32	30	BEGINNING OF PROJECT
						345+26 - 345+51	CTH FF	29	WEST OF STH 32
			MANHOLE			344+13 - 344+39	CTH FF	29	EAST OF STH 32
				ADJUSTI NG		376+30 - 377+81	MEADOWLARK ROAD	150	EAST OF STH 32
			COVERS			416+53 - 417+81	CTH MM	127	EAST OF STH 32
			TYPE	MANHOLE		417+19 - 418+48	CTH MM	127	WEST OF STH 32
			J-SPECI AL	COVERS		432+40 - 432+66	HI GHLAND ROAD	26	WEST OF STH 32
CTATION	OFFCET	LOCATION	611. 0535	611. 8110	DEMARKS	432+81 - 433+08	HI GHLAND ROAD	26	EAST OF STH 32
STATI ON	OFFSET	LOCATI ON	EACH	EACH	REMARKS	490+69 - 491+03	CTH M	34	WEST OF STH 32
CATEGORY 00		CTU 22		1	CTODM CEWED IN VILLAGE OF ADA	490+97 - 491+36	CTH M	38	EAST OF STH 32
527+00	14.5' RT	STH 32		1	STORM SEWER IN VILLAGE OF ADA	536+06 - 536+19	ORCHARD ROAD	31	EAST OF STH 32
528+62	13. 9' RT	STH 32		1	STORM SEWER IN VILLAGE OF ADA	537+66 - 537+88	CTH EH	28	WEST OF STH 32
529+90	14.5' RT	STH 32		1	STORM SEWER IN VILLAGE OF ADA	550+85 - 552+04	FRANKLIN ROAD	118	WEST OF STH 32
530+52	14. 4' RT	STH 32	1	1	STORM SEWER IN VILLAGE OF ADA	550+97 - 552+22	FRANKLIN ROAD	124	EAST OF STH 32
531+12	13. 9' RT	STH 32	I	1	STORM SEWER IN VILLAGE OF ADA, REPLACE TYPE C COVER	611+05 - 612+39	WILLOW ROAD	131	WEST OF STH 32
531+81	14. 3' RT	STH 32		1	STORM SEWER IN VILLAGE OF ADA	611+08 - 612+29	WILLOW ROAD	121	EAST OF STH 32
533+90	13. 8' RT	STH 32		ı	STORM SEWER IN VILLAGE OF ADA	654+16 - 655+43	COUNTY LINE ROAD	128	EAST OF STH 32
						670+18 - 671+39	CEDAR LAKE ROAD	120	EAST OF STH 32
		TOTAL 0010	1	1		670+75 - 671+06	CTH EH	30	WEST OF STH 32
						691+50 - 691+50	STH 32	30	END OF PROJECT
							TOTAL 0010	1, 477	
								,	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE IN PLAN

PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

TRAFFIC CONTROL SUMMARY

	DRUMS 643. 0300	WARNI NG LI GHTS TYPE C 643. 0715	APPROX. SERVI CE PERI OD		SI GNS 643. 0900	APPROX. SERVI CE PERI OD		SI GNS PCMS 643. 1050	
LOCATI ON/STAGE	DAY	DAY	DAYS	NO	DAY	DAYS	NO	DAY	REMARKS
CATEGORY 0010									
ADVANCE WARNING									
MAI NLI NE									
SOUTH PROJECT LIMITS			43	5	215	7	1	7	INSTALL PCMS PRIOR TO START OF CONSTRUCTION
NORTH PROJECT LIMITS			43	5	215	7	1	7	INSTALL PCMS PRIOR TO START OF CONSTRUCTION
SI DEROADS									
CTH FF			43	2	86				
MEADOWLARK ROAD			43	1	43				
CTH MM			43	2	86				
HI GHLAND ROAD			43	2	86				
CTH M			43	2	86				
CTH EH			43	1	43				
ORCHARD ROAD			43	1	43				
FRANKLIN ROAD			43	2	86				
WILLOW ROAD			43	2	86				
COUNTY LINE ROAD			43	1	43				
CTH MC			43	1	43				
CEDAR LAKE ROAD			43	1	43				
TEMPORARY PAVEMENT MARKING									
"PASS WITH CARE"					15				
UNDI STRI BUTED	300	75							
TOTAL 0010	300	75			1, 219			14	

PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN MISCELLANEOUS QUANTITIES SHEET: **E**

3

PAVEMENT MARKING SUMMARY

		SAME DAY EPOXY 4-INCH	GROOVED WET RE 4-INCH	EFLECTI VE EPOXY 8-I NCH	TEMPORARY PAI NT 4-I NCH	
		YELLOW	WHITE	WHI TE	(MILLED SURFACE)	
		646. 0406	646. 2304. S	646. 2308. S	649. 0402	
STATION TO STATION	LOCATI ON	LF	LF	LF	LF	REMARKS
CATEGORY 0010						
307+75 - 344+74	STH 32	3, 190	7, 140		600	BEGINNING OF PROJECT TO CTH FF
344+74 - 377+14	STH 32	1, 620	6, 070		520	CTH FF TO MEADOWLARK ROAD
377+14 - 417+49	STH 32	8, 350	7, 700		650	MEADOWLARK ROAD TO CTH MM
417+49 - 432+72	STH 32	4, 250	2, 570		240	CTH MM TO HIGHLAND ROAD
432+72 - 490+99	STH 32	3, 010	11, 380	220	930	HIGHLAND ROAD TO CTH M
490+99 - 537+14	STH 32	14, 270	6, 030	180	740	CTH M TO CTH EH/ORCHARD ROAD
537+14 - 551+47	STH 32	4, 230	1, 850		940	CTH EH/ORCHARD ROAD TO FRANKLIN ROAD
551+47 - 611+65	STH 32	11, 470	11, 660		970	FRANKLIN ROAD TO WILLOW ROAD
611+65 - 655+04	STH 32	10, 900	8, 320		700	WILLOW ROAD TO COUNTY LINE ROAD
655+04 - 670+90	STH 32	5, 800	2, 890		250	COUNTY LINE ROAD TO CTH MC/CEDAR LAKE ROAD
670+90 - 691+50	STH 32	8, 240	3, 930		330	CTH MC/CEDAR LAKE ROAD
	CTH FF	230			20	WEST OF STH 32
	CTH FF	200			20	EAST OF STH 32
	HI GHLAND ROAD	90			10	WEST OF STH 32
	HI GHLAND ROAD	90			10	EAST OF STH 32
	CTH M	120			10	WEST OF STH 32
	CTH M	120			10	EAST OF STH 32
	CTH EH	160			10	WEST OF STH 32
	ORCHARD ROAD	260			20	EAST OF STH 32
	CTH MC	80			10	WEST OF STH 32
	T0TAL 0010	76, 680	69, 540	400	6, 990	

NOTE: SAME DAY EPOXY 4-INCH YELLOW IS FOR 2 LAYERS OF EPOXY. 15 MILS SHALL BE APPLIED FOR THE FIRST APPLICATION AND 20 MILS SHALL BE APPLIED FOR THE FINAL APPLICATION ON RUMBLE STRIP SURFACES.

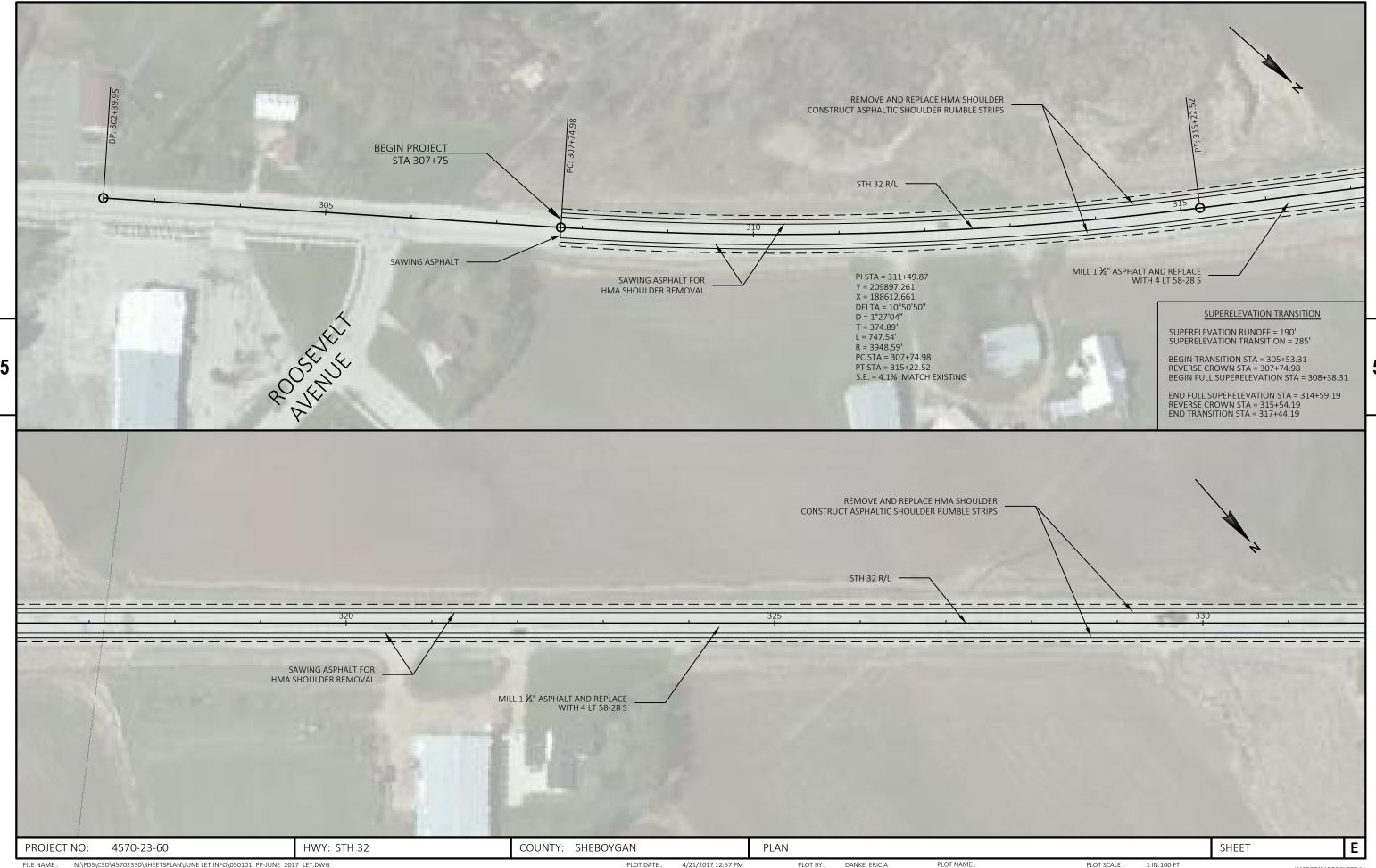
CONSTRUCTION STAKING SUMMARY

RESURFACING SUPPLEMENTAL

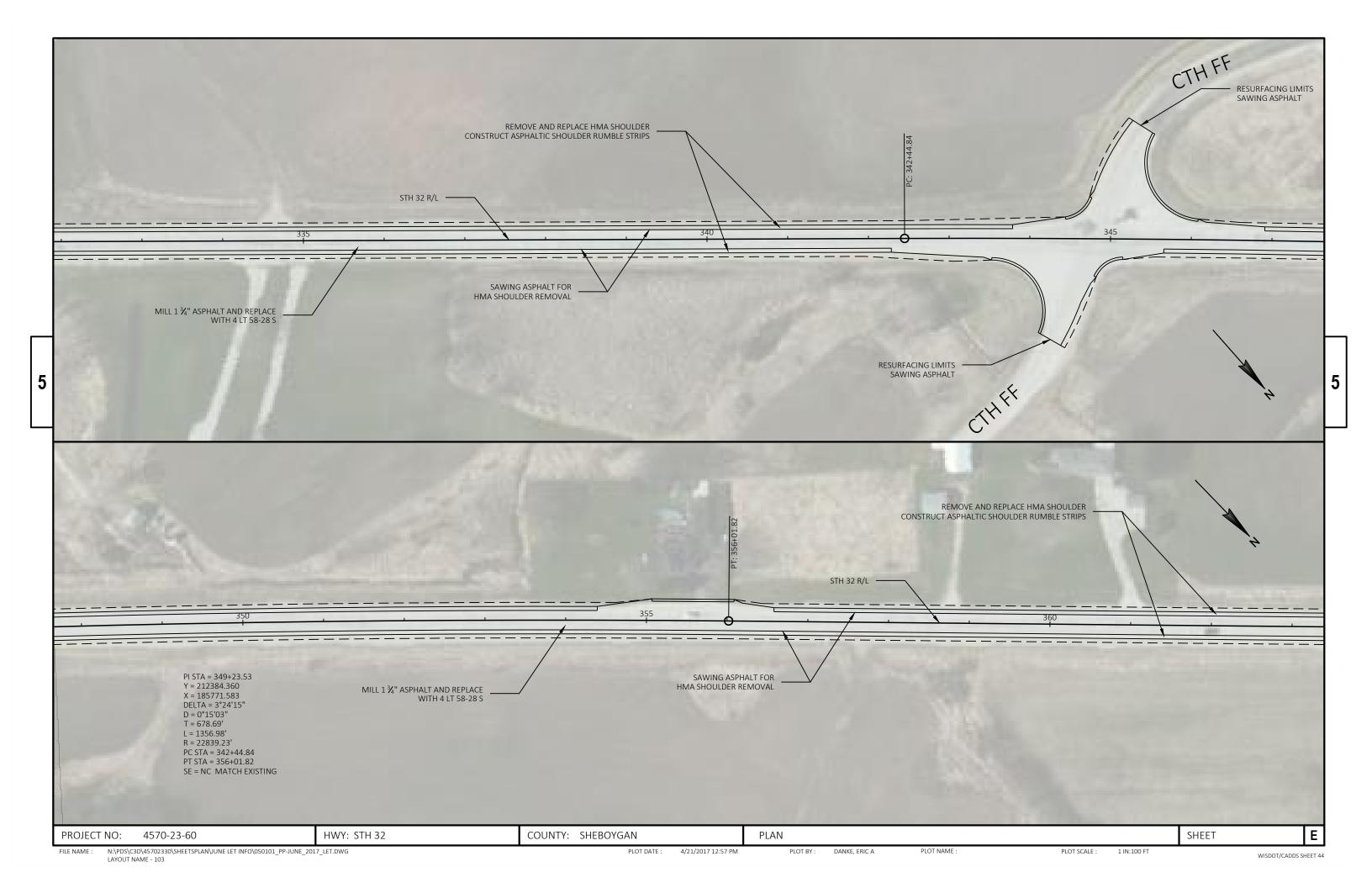
LOCATING NO-PASSING ZONES

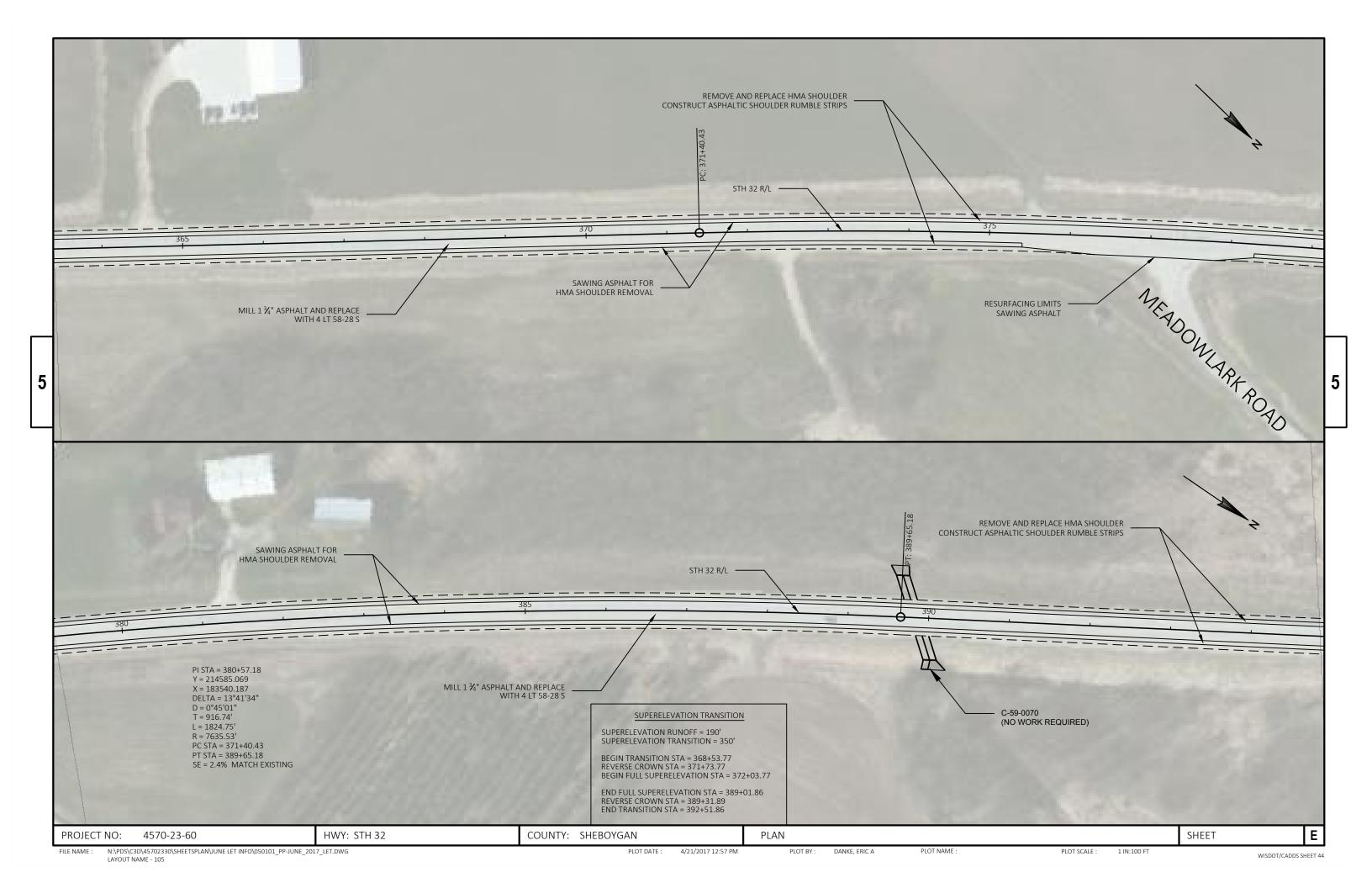
					REFERENCE	CONTROL
		648. 0100			650. 8000	650. 9910
STATION TO STATION	LOCATI ON	MI	STATION TO STATION	LOCATI ON	LF	LS
CATEGORY 0010			CATEGORY 0010			
307+75 - 691+50	STH 32	7. 3	307+75 - 691+50	STH 32	38, 375	1
	TOTAL 0010	7. 3		T0TAL 0010	38, 375	1

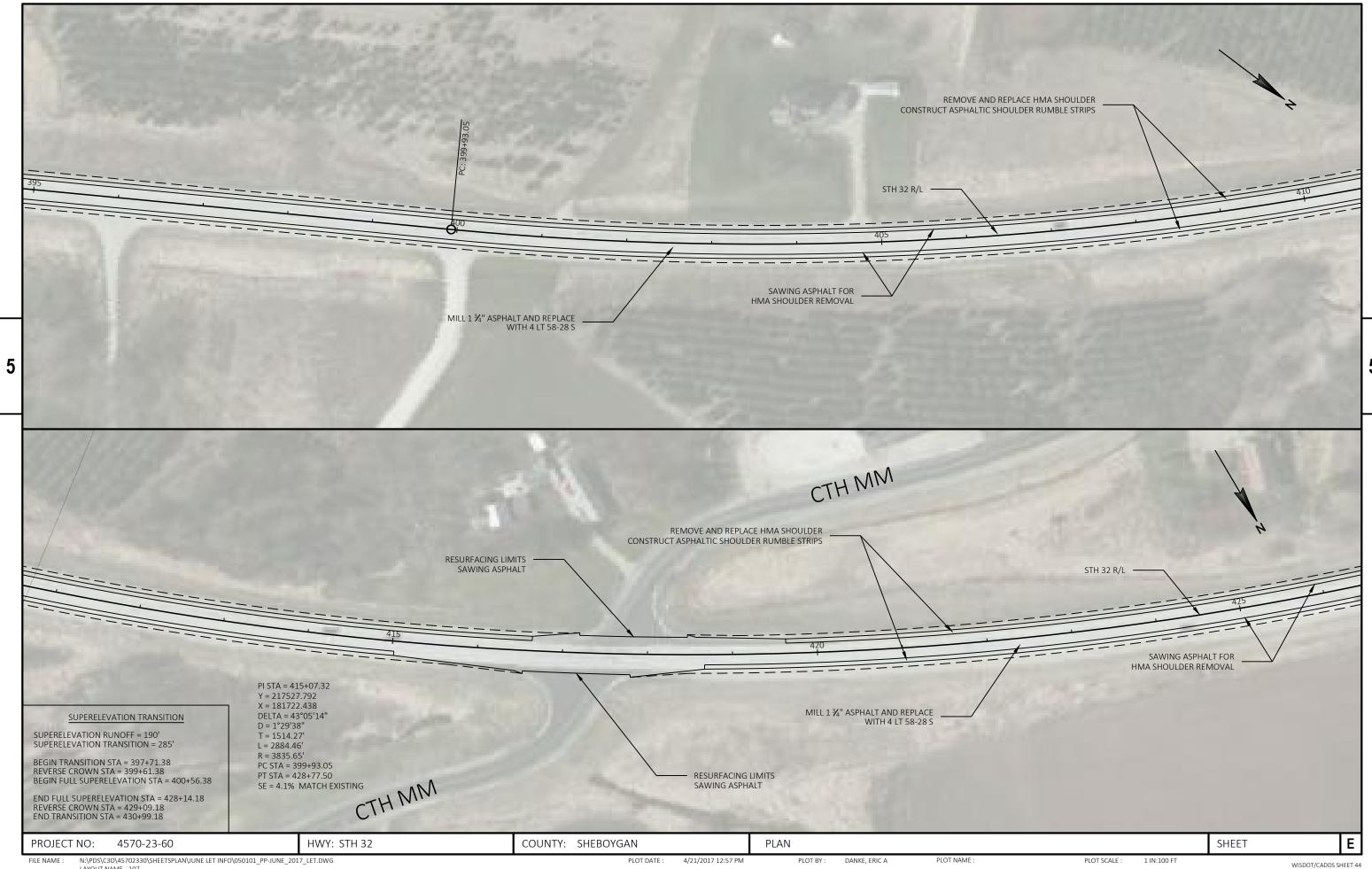
PROJECT NO: 4570-23-60 HWY: STH 32 COUNTY: SHEBOYGAN MISCELLANEOUS QUANTITIES SHEET: **E**



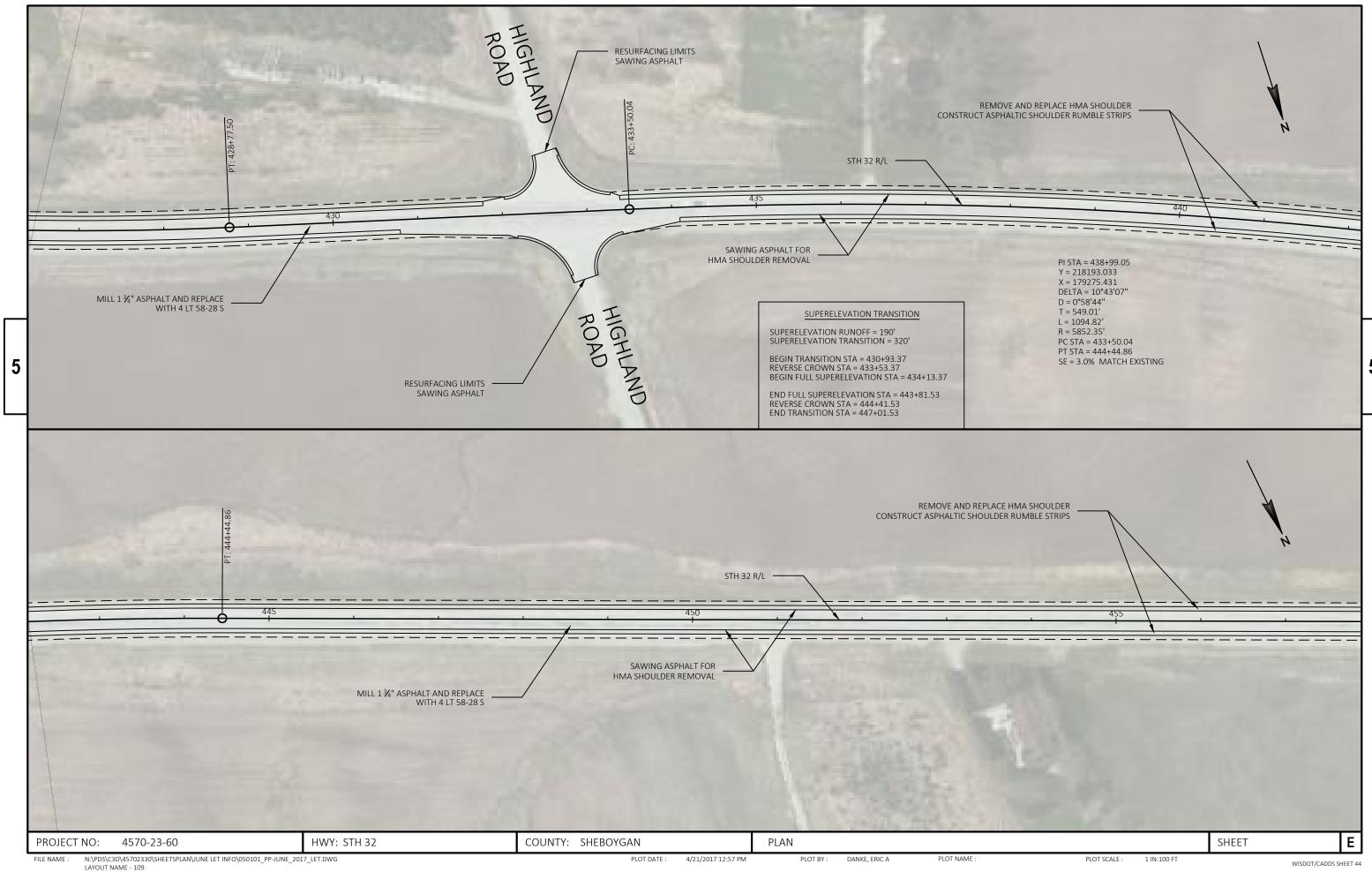
N:\PDS\C3D\45702330\SHEETSPLAN\JUNE LET INFO\050101_PP-JUNE_2017_LET.DWG LAYOUT NAME - 101 PLOT DATE : 4/21/2017 12:57 PM PLOT BY: DANKE, ERIC A PLOT SCALE : 1 IN:100 FT WISDOT/CADDS SHEET 44



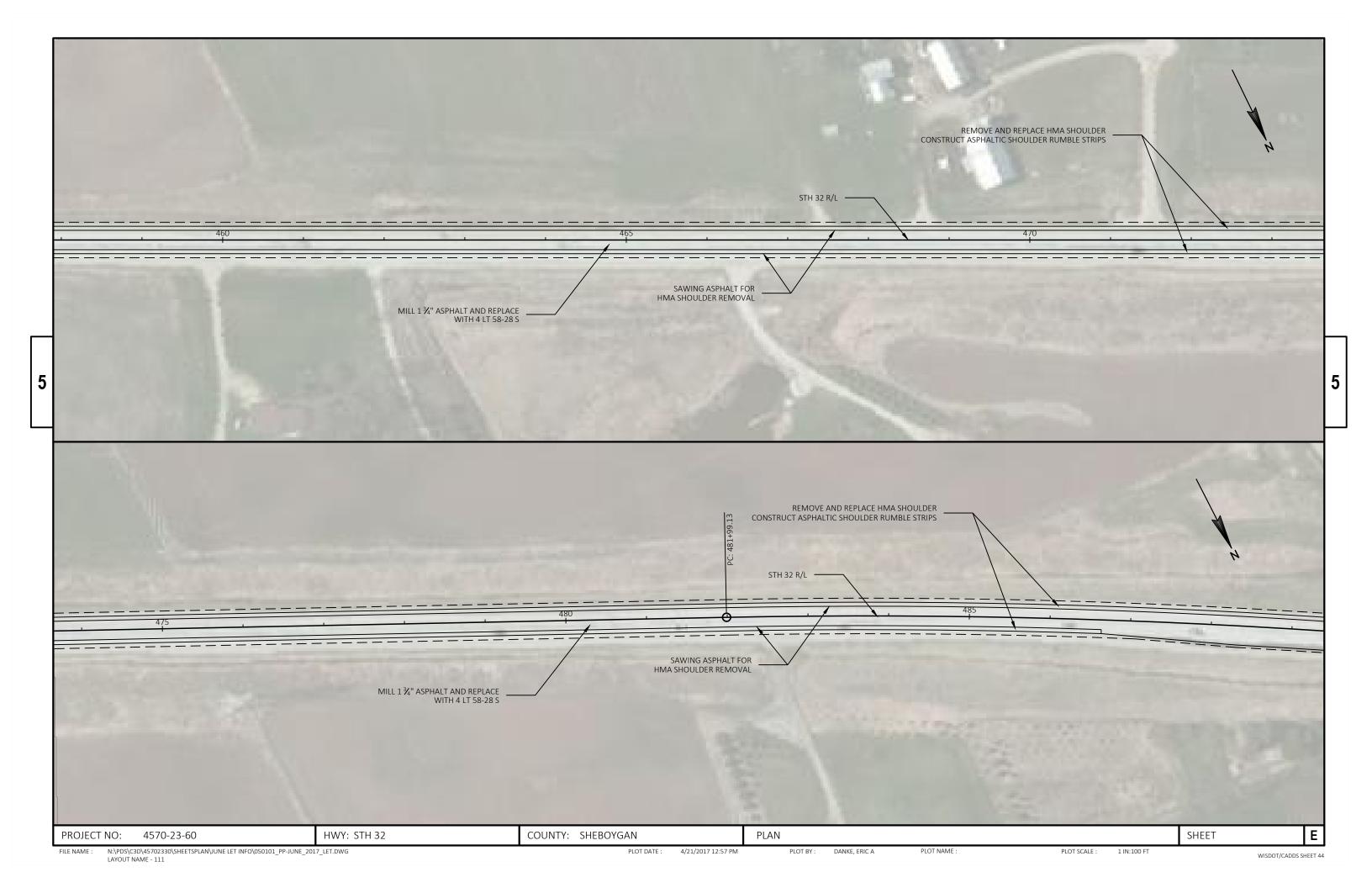


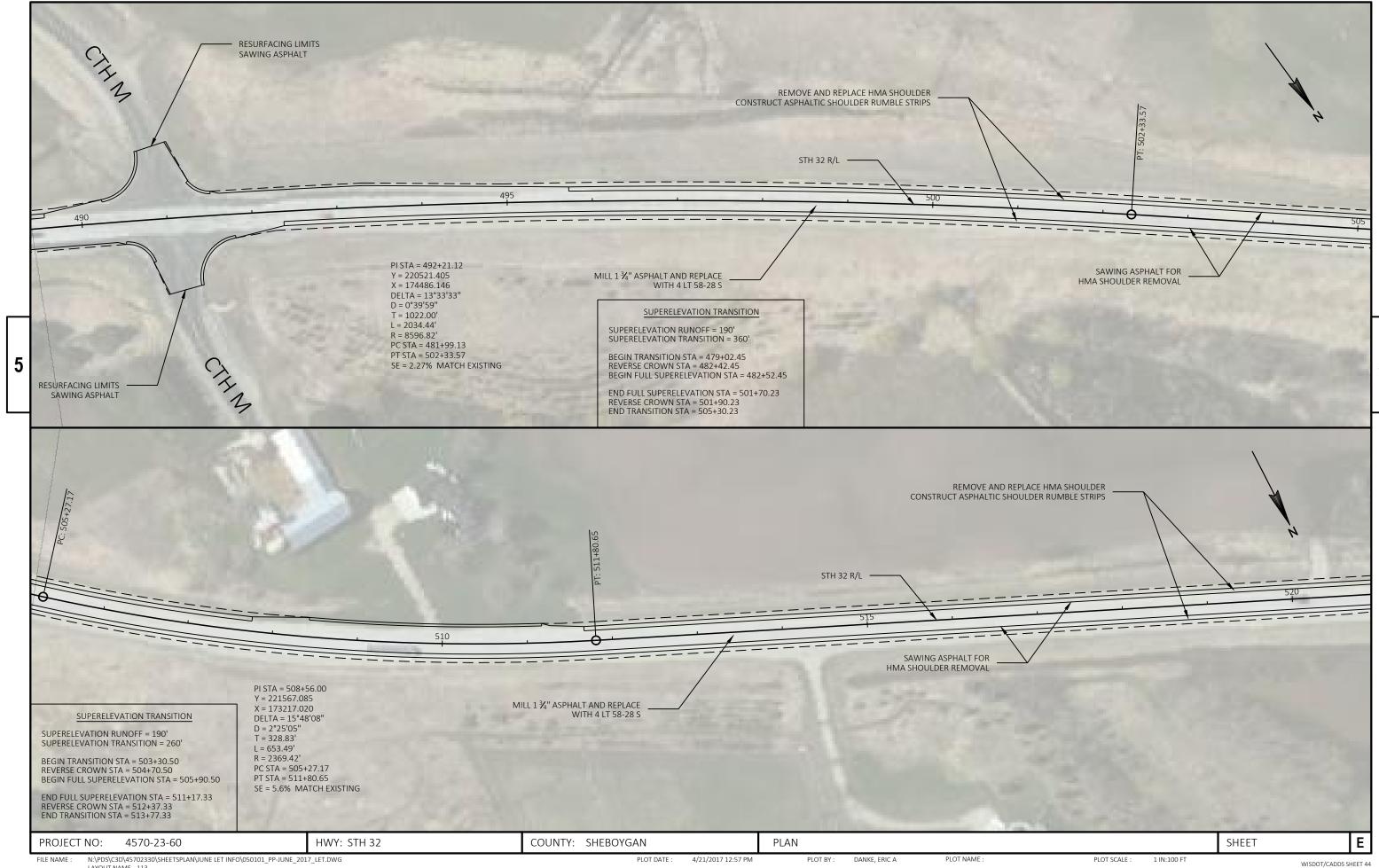


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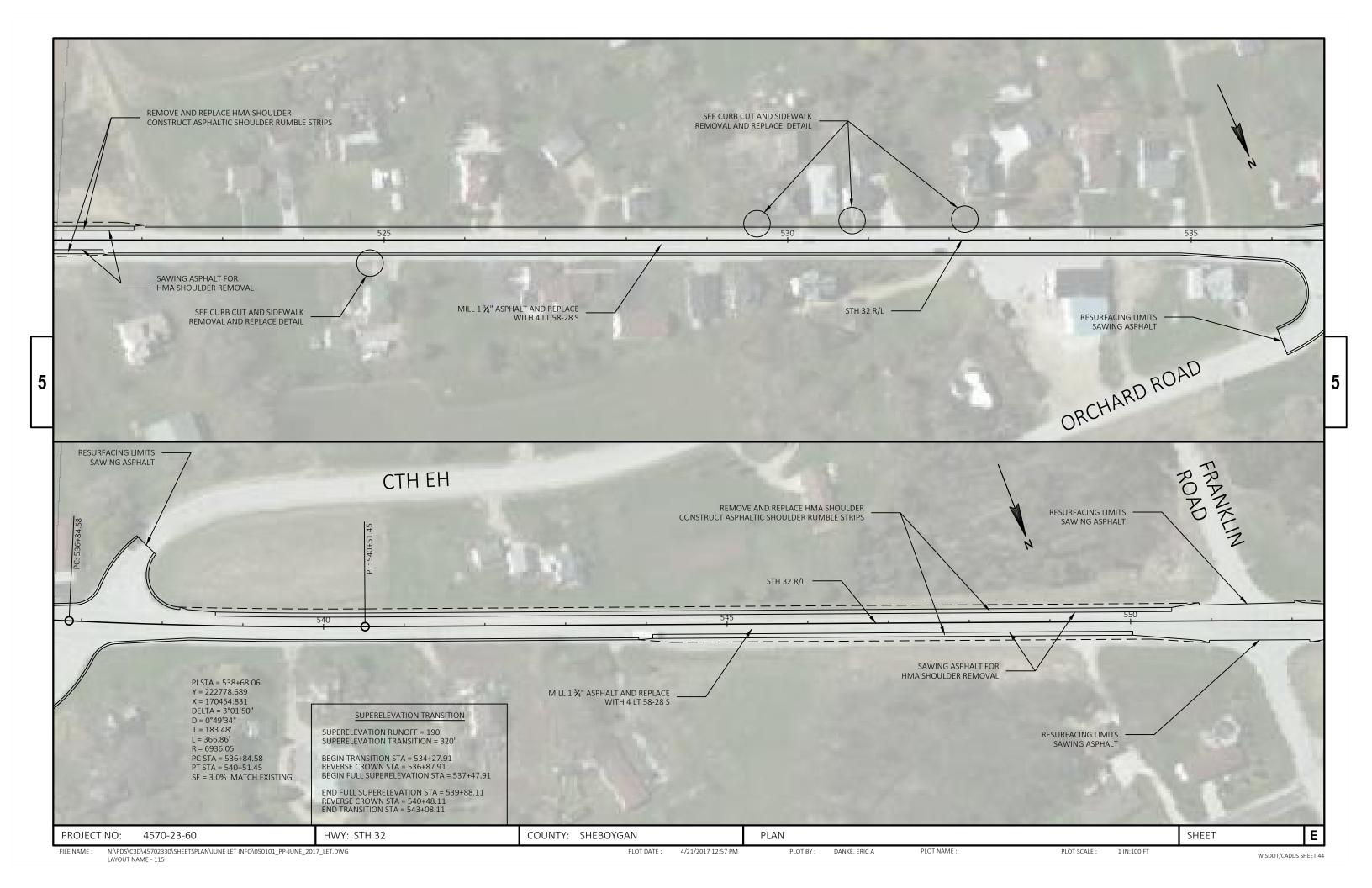


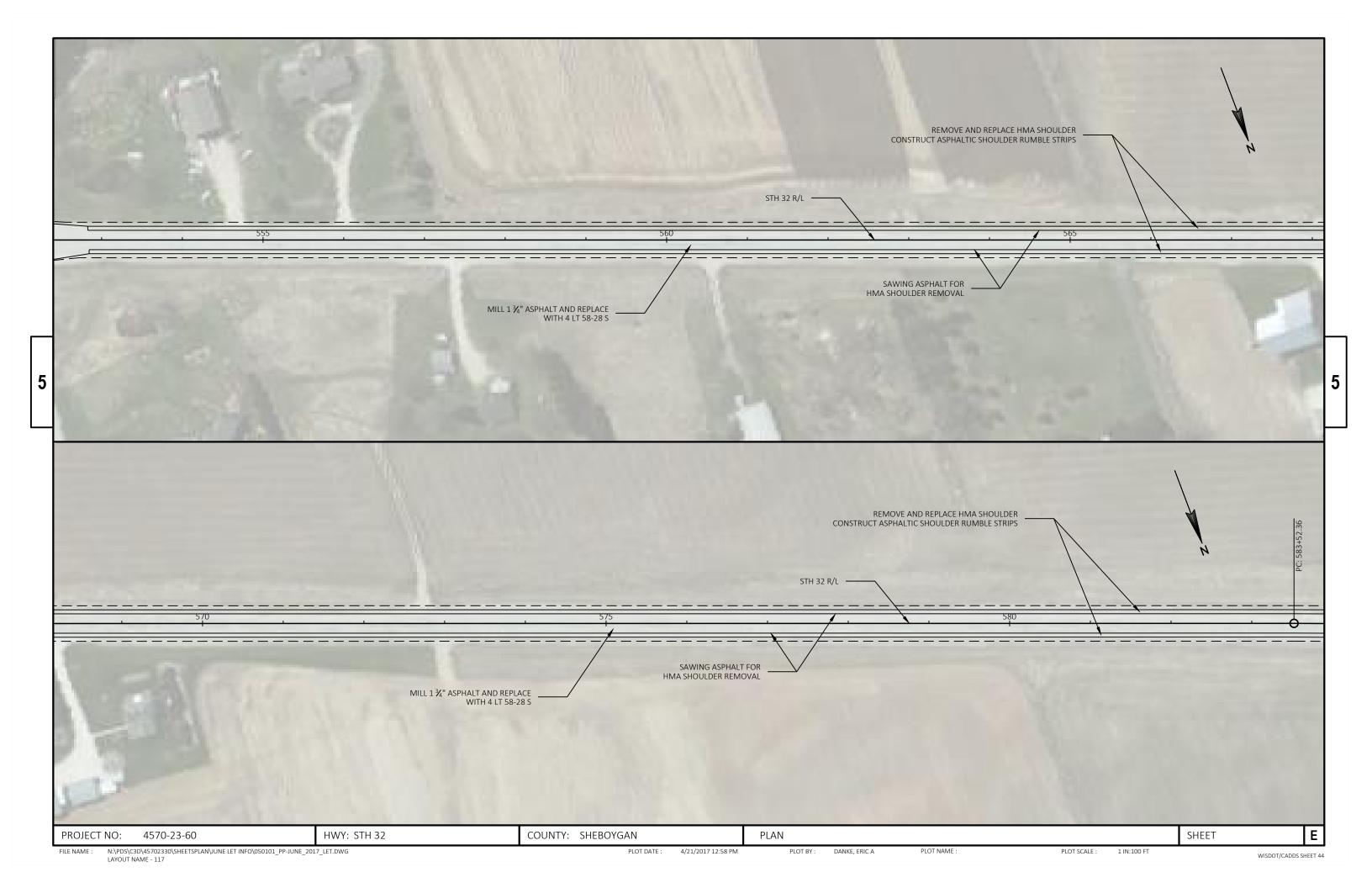
WISDOT/CADDS SHEET 44

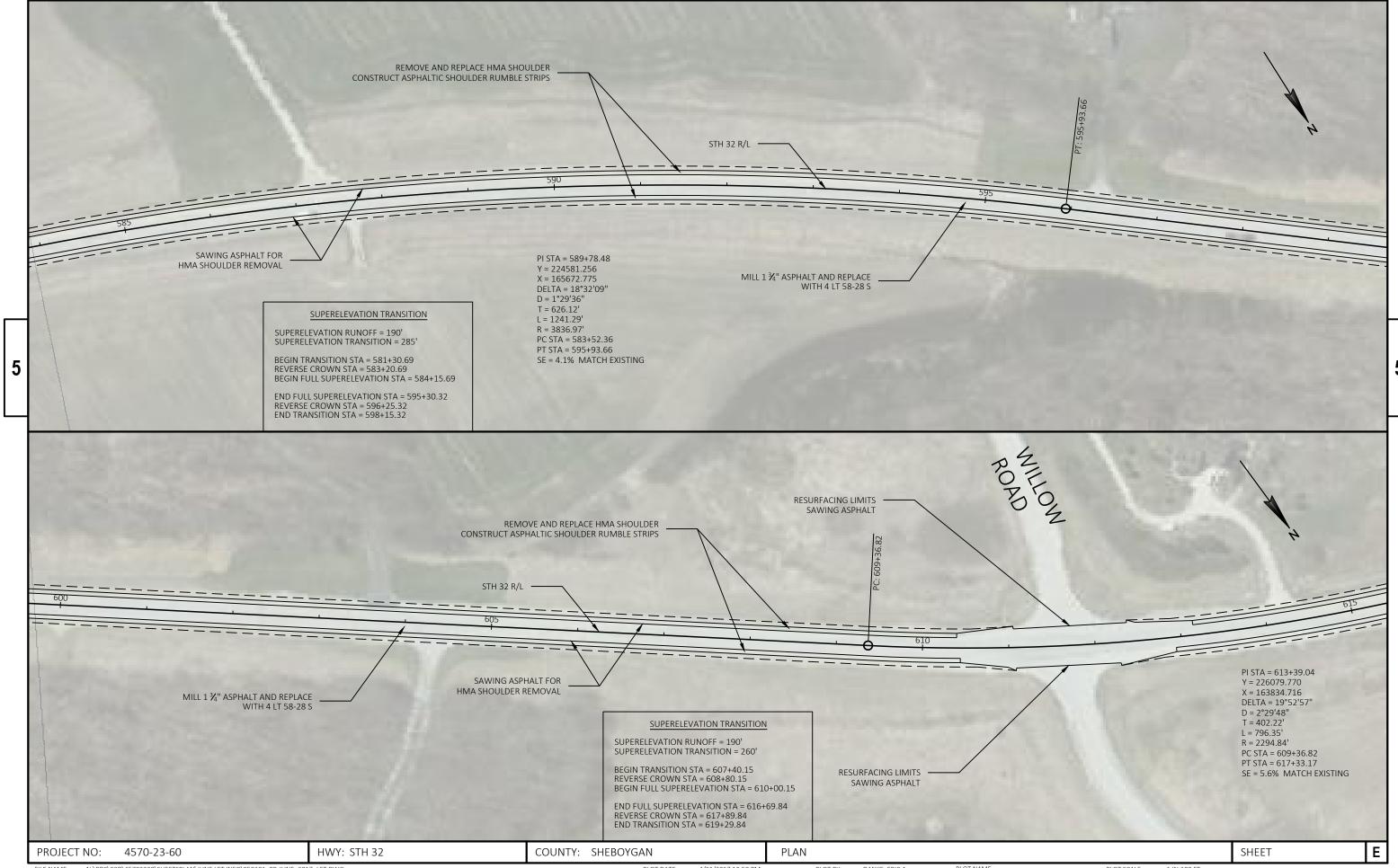




N:\PDS\C3D\45702330\SHEETSPLAN\JUNE LET INFO\050101_PP-JUNE_2017_LET.DWG LAYOUT NAME - 113 PLOT DATE : 4/21/2017 12:57 PM DANKE, ERIC A PLOT SCALE : 1 IN:100 FT PLOT BY:

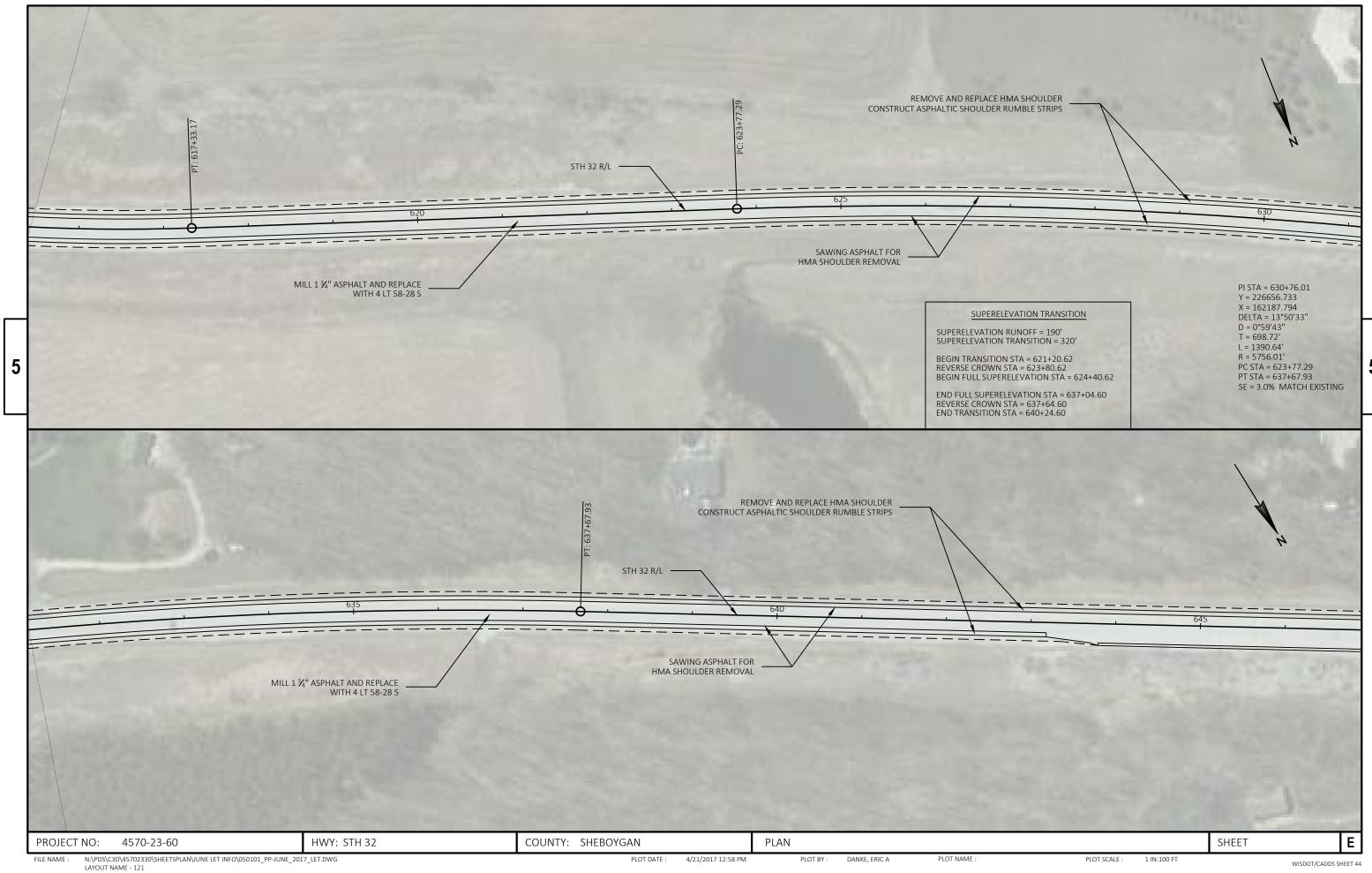


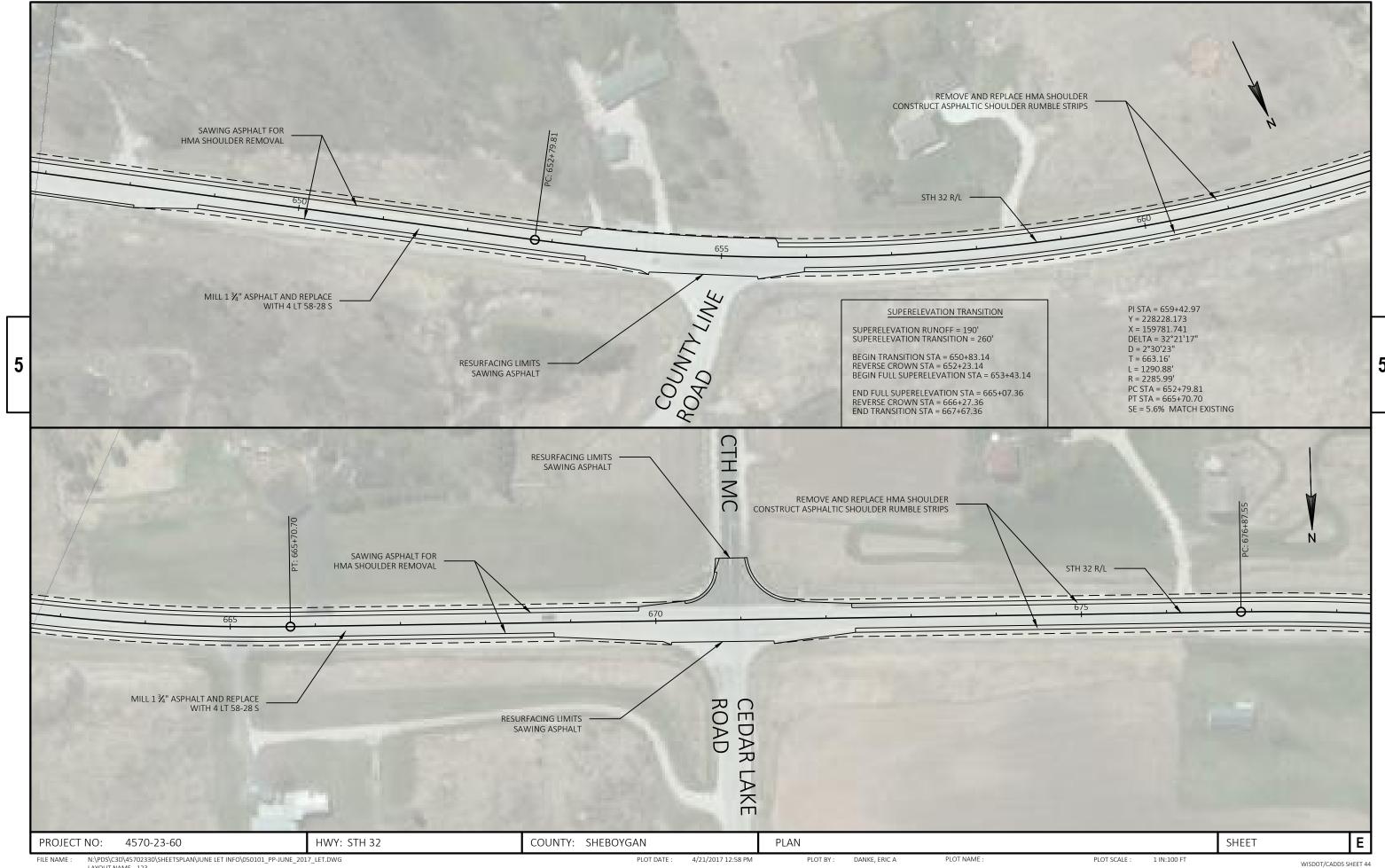




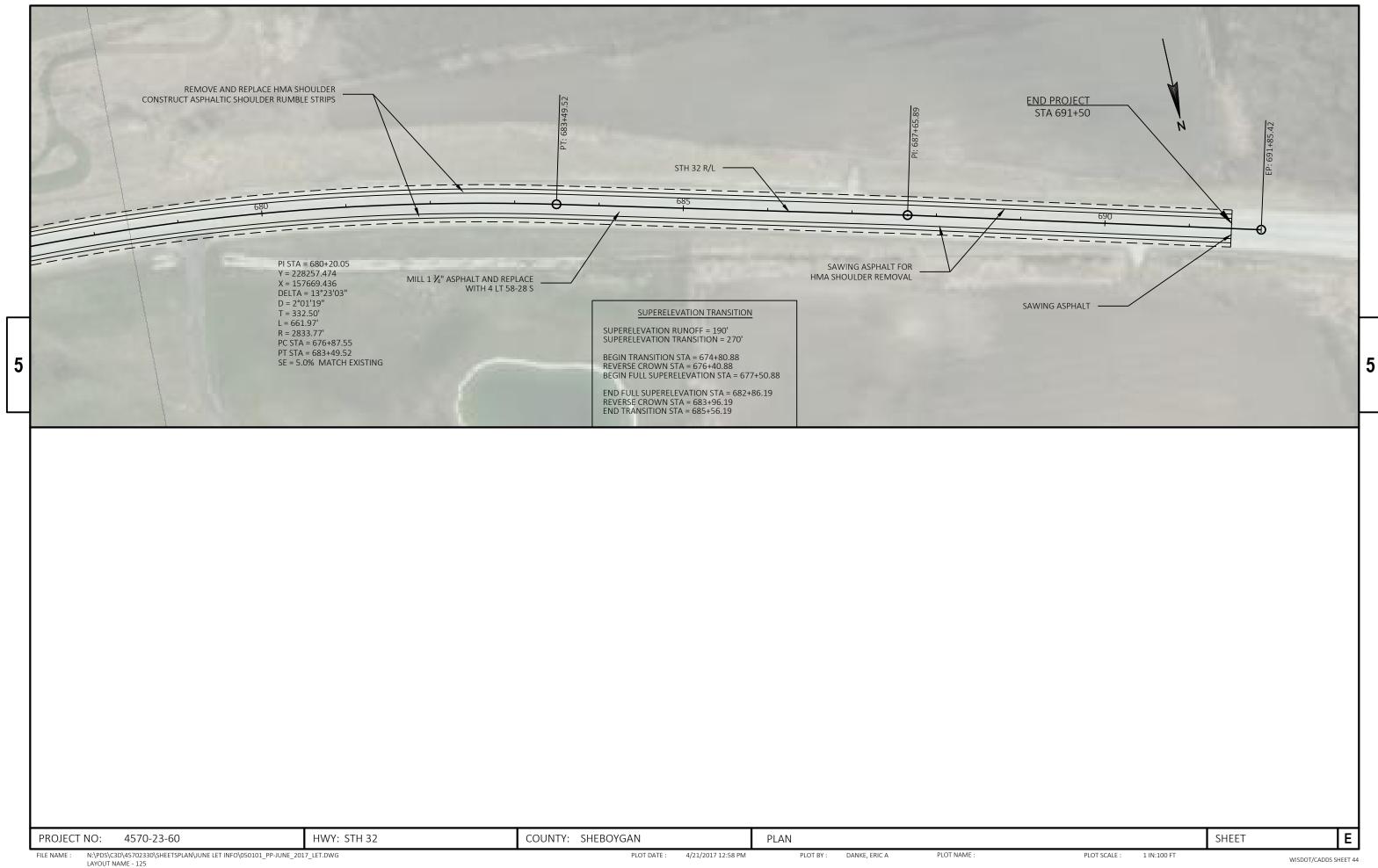
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WISDOT/CADDS SHEET 44





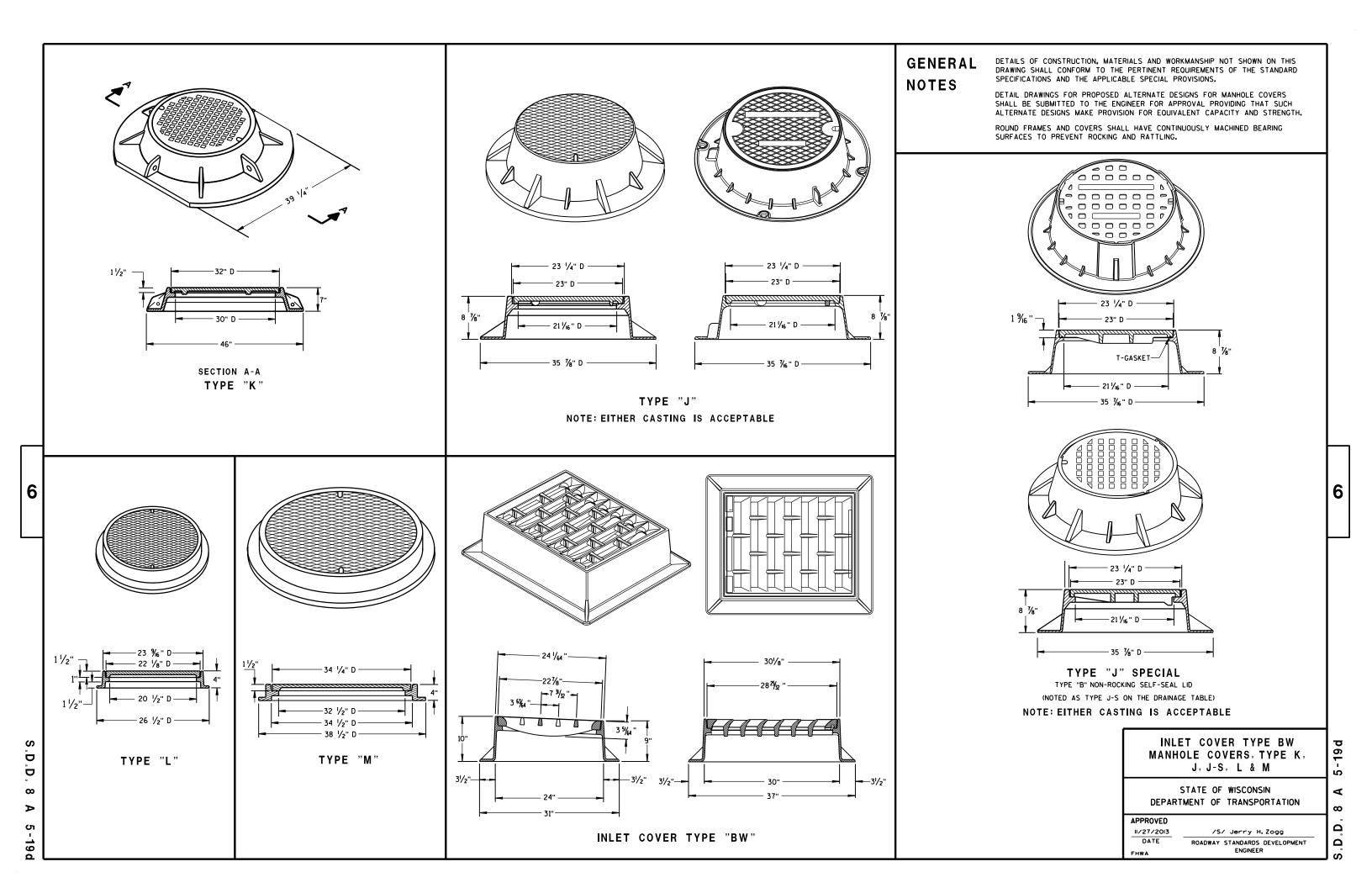
N:\PDS\C3D\45702330\SHEETSPLAN\JUNE LET INFO\050101_PP-JUNE_2017_LET.DWG LAYOUT NAME - 123 PLOT DATE : 4/21/2017 12:58 PM PLOT BY: DANKE, ERIC A PLOT SCALE : 1 IN:100 FT

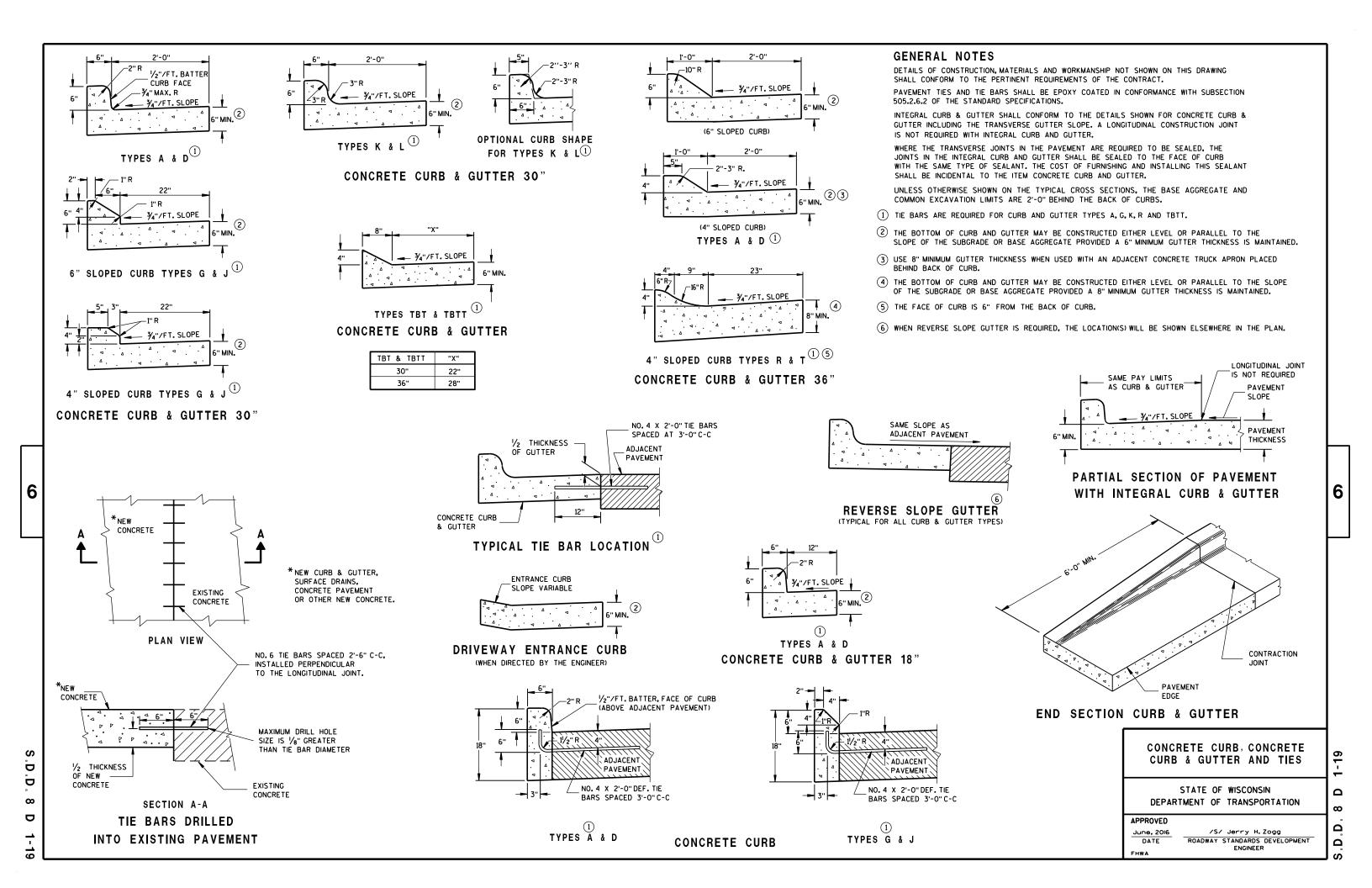


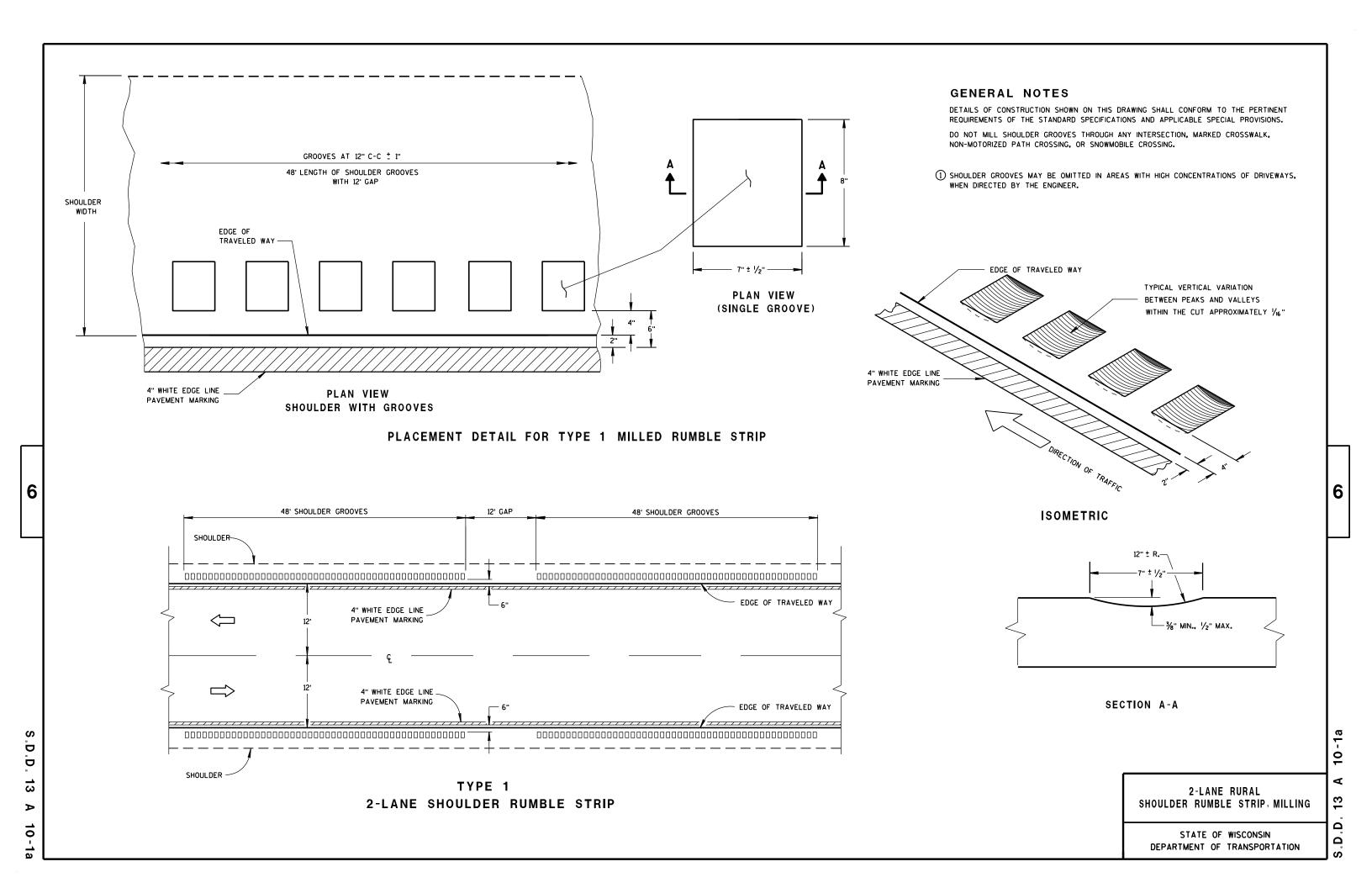
Standard Detail Drawing List

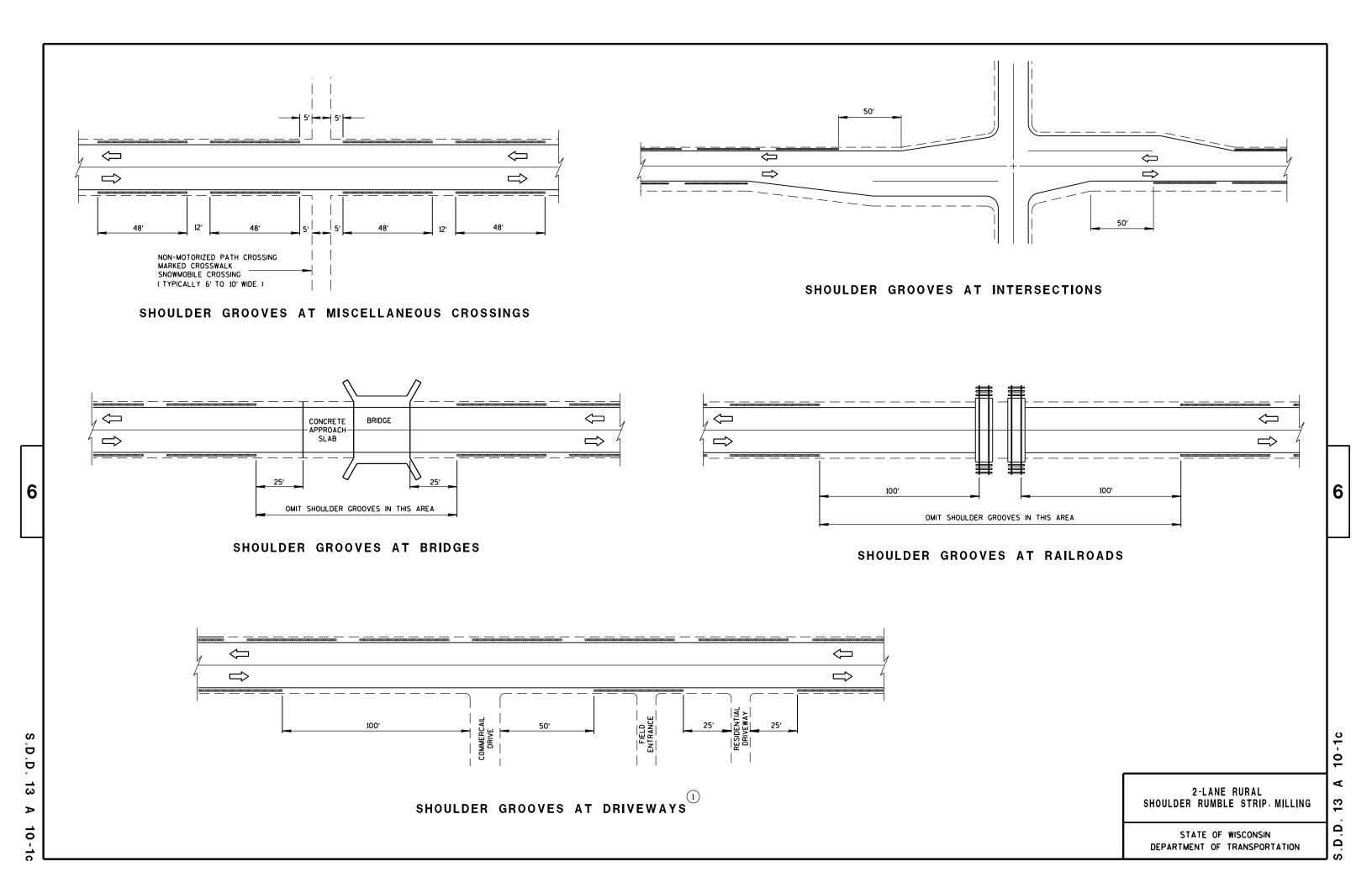
D8AO5-19D	M
D8D01-19 CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES	
13A1O-O1A 2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING	
13A1O-O1C 2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING	
13A1O-O1D 2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING	
13A11-02A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
13A11-02B 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
14B29-01 SAFETY EDGE	
15CO4-O3 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREAT	TER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15CO8-17A LONGI TUDI NAL MARKI NG (MAI NLI NE)	
15C12-05 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION	
15C19-04A MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWA	AY
15C35-01A PAVEMENT MARKING (INTERSECTIONS)	
15D28-03 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVI	I DED ROADWAY

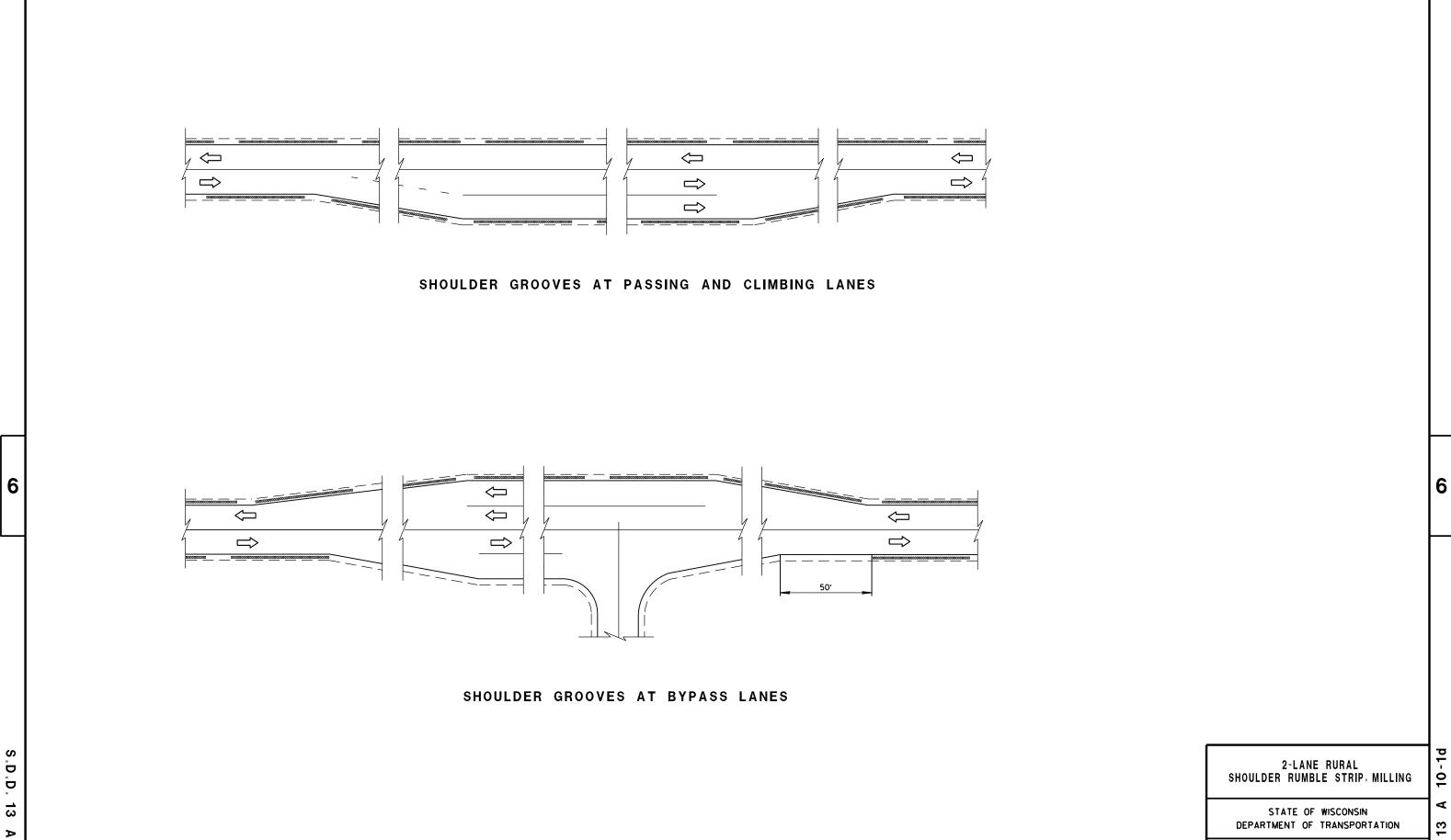
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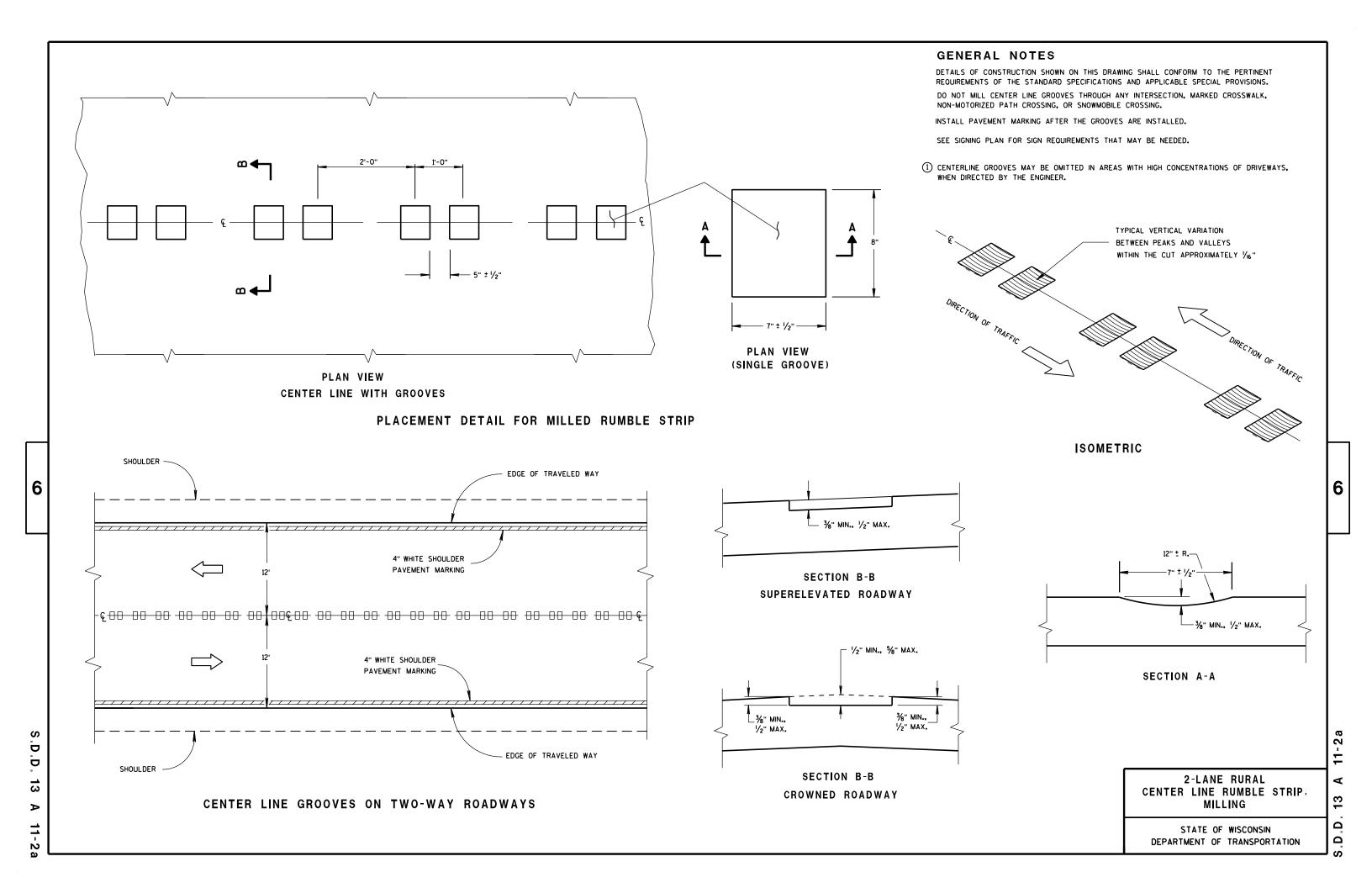


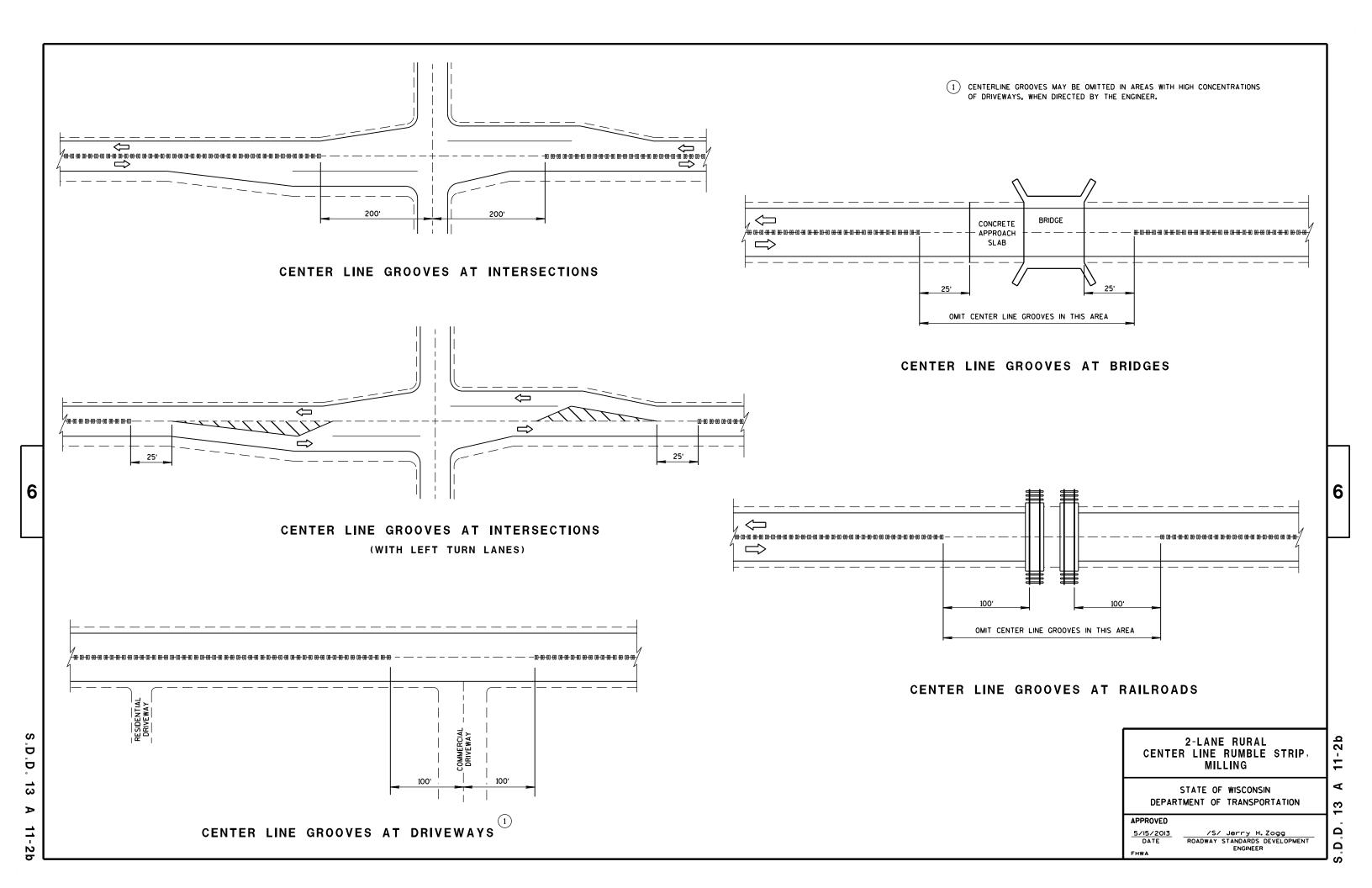


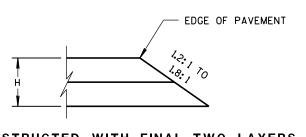
10-1d

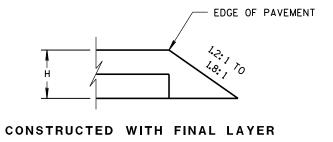
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/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER 12/17/2012 DATE





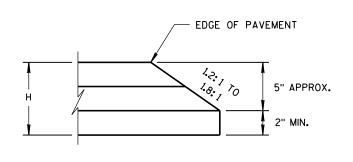


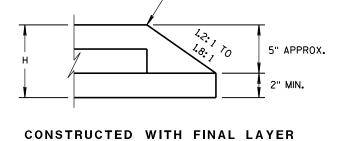


FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS





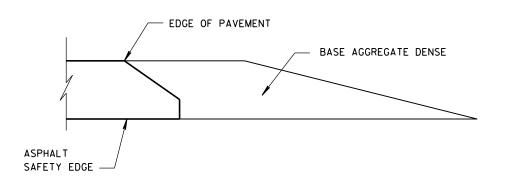
FOR H GREATER THAN 5"

EDGE OF PAVEMENT

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

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GENERAL NOTES

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

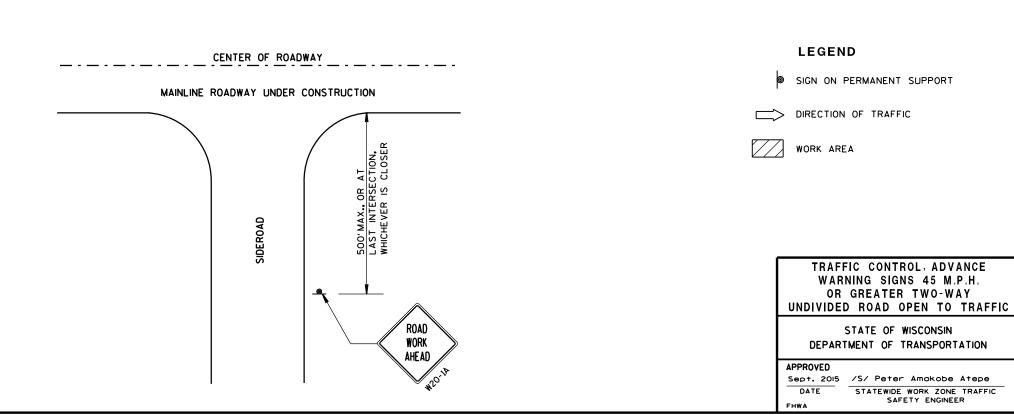
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

IF A "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 RE-ESTABLISHED.

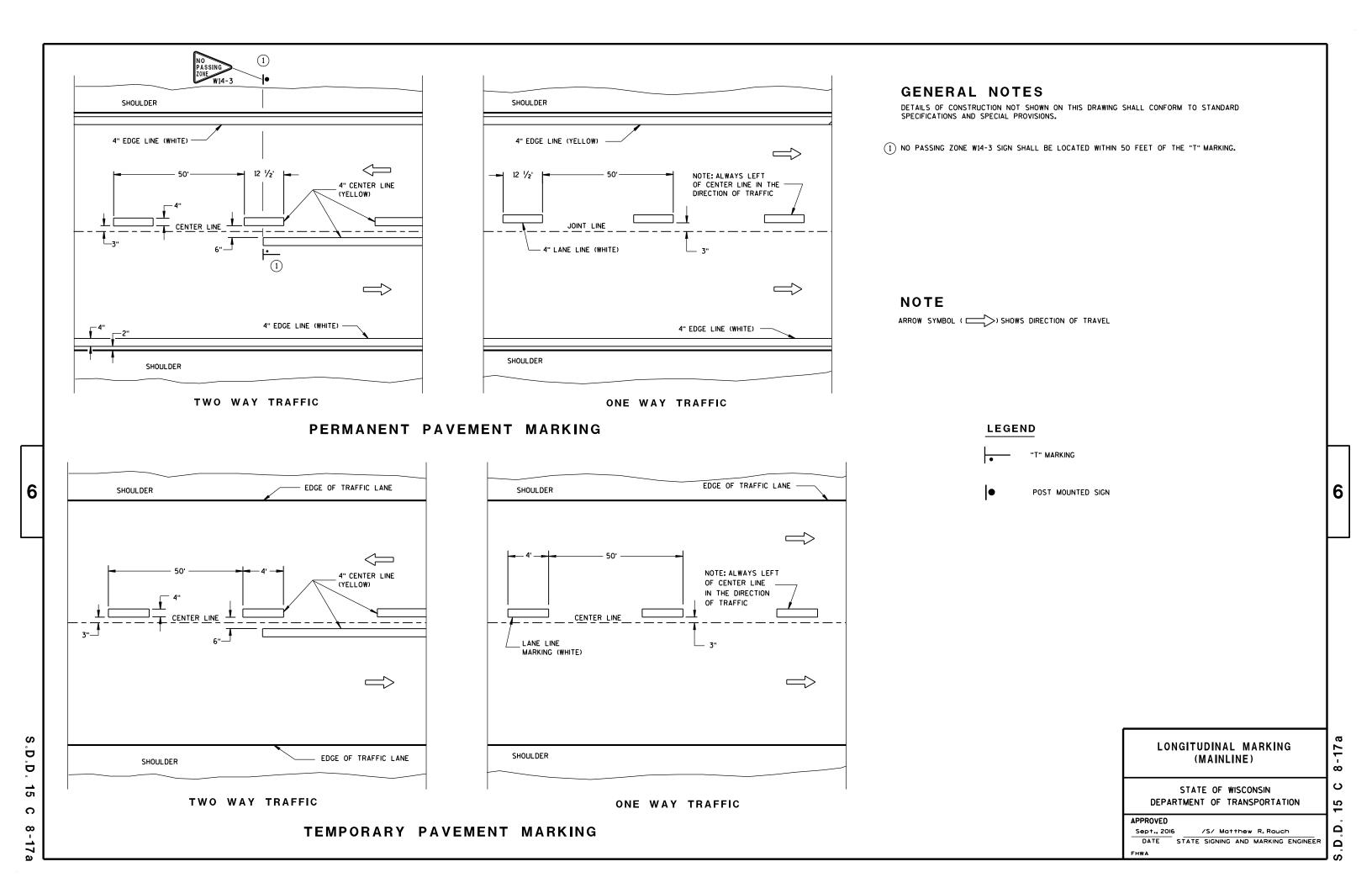
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- * PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



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SAFETY ENGINEER



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

- * UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.
- 1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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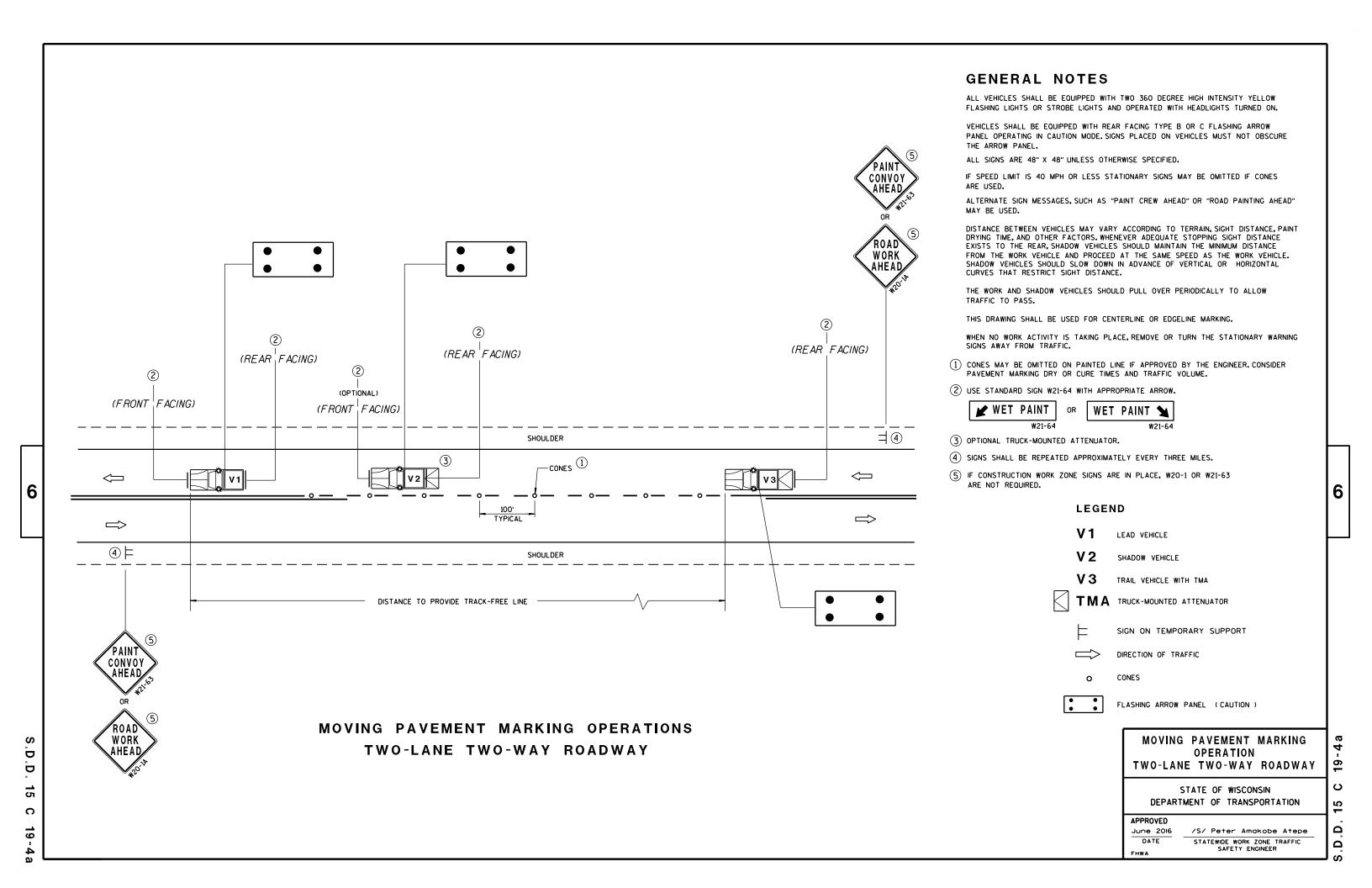
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

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FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE FLAGGING OPERATION IS NOT IN EFFECT. REMOVE TEMPORARY ACROSS THE LANE AT LOCATIONS SHOWN. RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE APPROVED SIGNING. December, 2016 FHWA



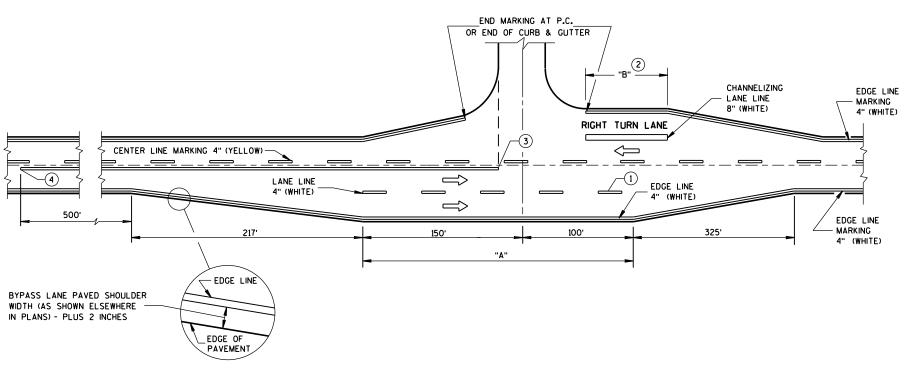
MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

- 1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- 2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- (3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- (4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (>>) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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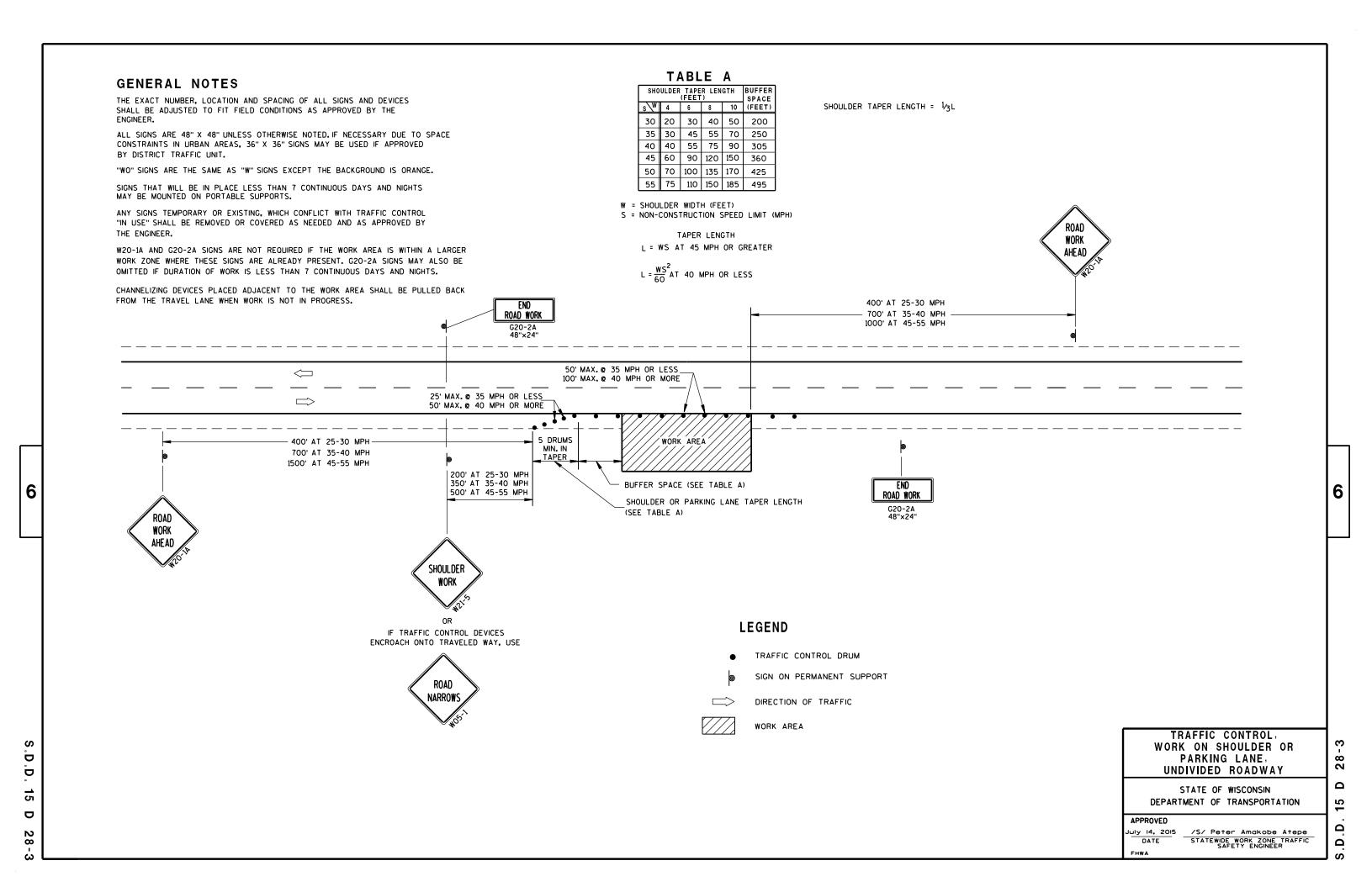
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Wisconsin Department of Transportation

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