Section No.

Section No.

Section No.

Section No.

TOTAL SHEETS =

FEBRUARY 2023 ORDER OF SHEETS Section No. 1 Title Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ONTARIO - TOMAH

(STH 71 TO CTH A/B-41-21,-136,-137)

STH 131 MONROE COUNTY

5130-05-63

Miscellaneous Quantities

Standard Detail Drawings

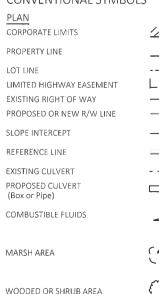
Structure Plans

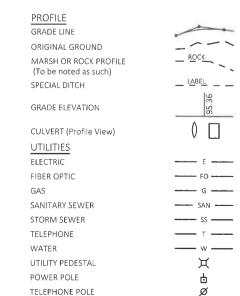
Plan and Profile (Includes Erosion Control Plan)

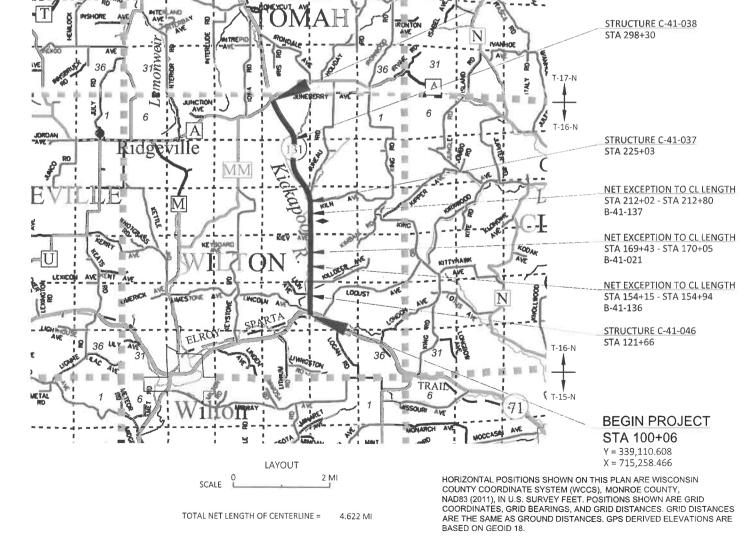
DESIGN DESIGNATION

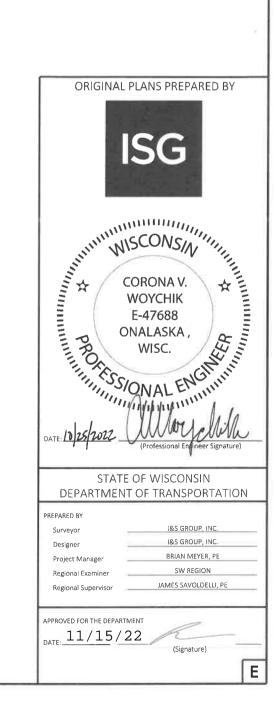
A.A.D.T. 2027 = 3070 A.A.D.T. 2047 = 3410 D.H.V. = N/A D.D. = N/A T. = 20.7% DESIGN SPEED = 55 MPH ESALS = 1,200,000

CONVENTIONAL SYMBOLS









FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2023238

STATE PROJECT

5130-05-63

END PROJECT

STA 346+29

FILE NAME: W:\51300563\C3D\SHEETSPLAN\010101-TI.DWG

PLOT DAT

: 10/25/2022 4:42 PM

PLOT B

CORONA WOYCHIK

PLOT NA

2

Ε

2

GENERAL NOTES

- THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
- APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED PAVEMENT SURFACES.
- HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
- THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, OR PASSING LANE.
- 2-INCH HMA PAVEMENT TYPE 4 MT 58-28 S. MILL AND REMOVE 1-INCH AND PAVE 2-INCHES
- PWL DENSITY WILL APPLY TO HMA LAYER, REFER TO MISCELLANEOUS QUANTITIES.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED (SALVAGED, 4 INCHES MINIMUM) SEEDED, FERTILIZED, AND EROSION MATTED AS DIRECTED BY THE ENGINEER. ALL OTHER DISTURBED AREAS ARE TO BE TOPSOILED (SALVAGED, 4 INCHES MINIMUM) SEEDED, FERTILIZED, AND EROSION MATTED AT THE CONTRACTORS EXPENSE.
- NO TREES, SHRUBS, OR PRIVATE PLANTINGS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALT DRIVEWAYS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.
- EXISTING BEAMGUARD WITH A TOP OF RAIL HEIGHT LESS THAN 27 3/4" OR GREATER THAN 29" REQUIRES ADJUSTING STEEL PLATE BEAM GUARD.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVEMENT MARKING DETAILS
ADVANCED WARNING SIGNING
ALIGNMENT DATA

DESIGN CONTACTS

BRIAN MEYER, PE WISDOT PROJECT MANAGER 3550 MORMON COULEE RD LA CROSSE, WI 54601 PHONE: (608) 789-5676

FILE NAME :

CORONA WOYCHIK, PE CIVIL ENGINEER 201 MAIN STREET, SUITE 1020 LA CROSSE, WI 54601 PHONE: (608) 789-2034

EMAIL: BRIAN.MEYER@DOT.WI.GOV EMAIL: CORONA.WOYCHIK@ISGINC.COM

DNR LIAISON

KAREN KALVELAGE
ENVIORNMENTAL ANALYSIS & REVIEW SPECIALIST
WISCONSIN DEPT. OF NATURAL RESOURCES
3550 MORMON COULEE RD
LA CROSSE, WI 54601
PHONE: (608) 785-9115
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

STANDARD ABBREVIATIONS

AC ACRE EX **EXISTING** AGG **FERT** FERTILIZER **AGGREGATE** ΑН AHFAD FIELD ENTRANCE FE AADT ANNUAL AVERAGE DAILY TRAFFIC FL or F/L FLOW LINE ASPH **ASPHALTIC** FT FOOT AVG AVERAGE HMA HOT MIX ASPHALT ВК BACK HUNDREDWEIGHT CWT BASE AGGREGATE DENSE BAD INL INLET ВМ BENCH MARK INV INVERT BR BRIDGE JCT JUNCTION CENTER LINE CL or C/L LΤ LEFT COMMERCIAL ENTRANCE CF LENGTH OF CURVE CONC LIN FT or LF LINEAR FOOT CONCRETE CO COUNTY LS LUMP SUM COUNTY TRUNK HIGHWAY CTH NC NORMAL CROWN CR CREEK Ν NORTH CRUSHED AGGREGATE BASE COURSE CABC NB NORTHBOUND CY or CUYD CUBIC YARD NO NUMBER CULV CULVERT РΤ POINT PС CP **CULVERT PIPE** POINT OF CURVATURE РΙ POINT OF INTERSECTION C&G **CURB AND GUTTER** DEGREE OF CURVE РΤ POINT OF TANGENCY D DIA DIAMETER PCC PORTLAND CEMENT CONCRETE DISCHARGE DISCH LB POUND EAST PΕ PRIVATE ENTRANCE EB EASTBOUND **RADIUS** REFERENCE LINE EL or ELEV ELEVATION RL or R/L EW **ENDWALL** RT RIGHT ENT **ENTRANCE** R/W RIGHT-OF-WAY FXC **EXCAVATION** RD ROAD

UTILITY CONTACTS

ELECTRICITY

ALLIANT ENERGY
PATRICK MCINTYRE
528 INDUSTRIAL DRIVE
TOMAH, WI 54660
PHONE: (608) 844-9605

EMAIL: PATRICKMCINTYRE@ALLIANTENERGY.COM

BRIGHTSPEED BRIAN STELPLUGH 1905 WARD AVENUE LA CROSSE, WI 54601 PHONE: (608) 615-4136

COMMUNICATIONS

EMAIL: BRIAN.STELPLUGH@BRIGHTSPEED.COM

SHLDR

SB

SDD

STH

SE

TEMP

USH

V

VC

WB

ΥD

SHOULDER

TANGENT

TEMPORARY

SF or SQ FT SQUARE FEET

SY or SQ YD SQUARE YARD

SOUTHBOUND

STANDARD DETAIL DRAWINGS

STATE TRUNK HIGHWAYS

UNITED STATES HIGHWAY

VELOCITY OR DESIGN SPEED

SUPERELEVATION

VERTICAL CURVE

WESTBOUND

YARD

GAS/PETROLEUM

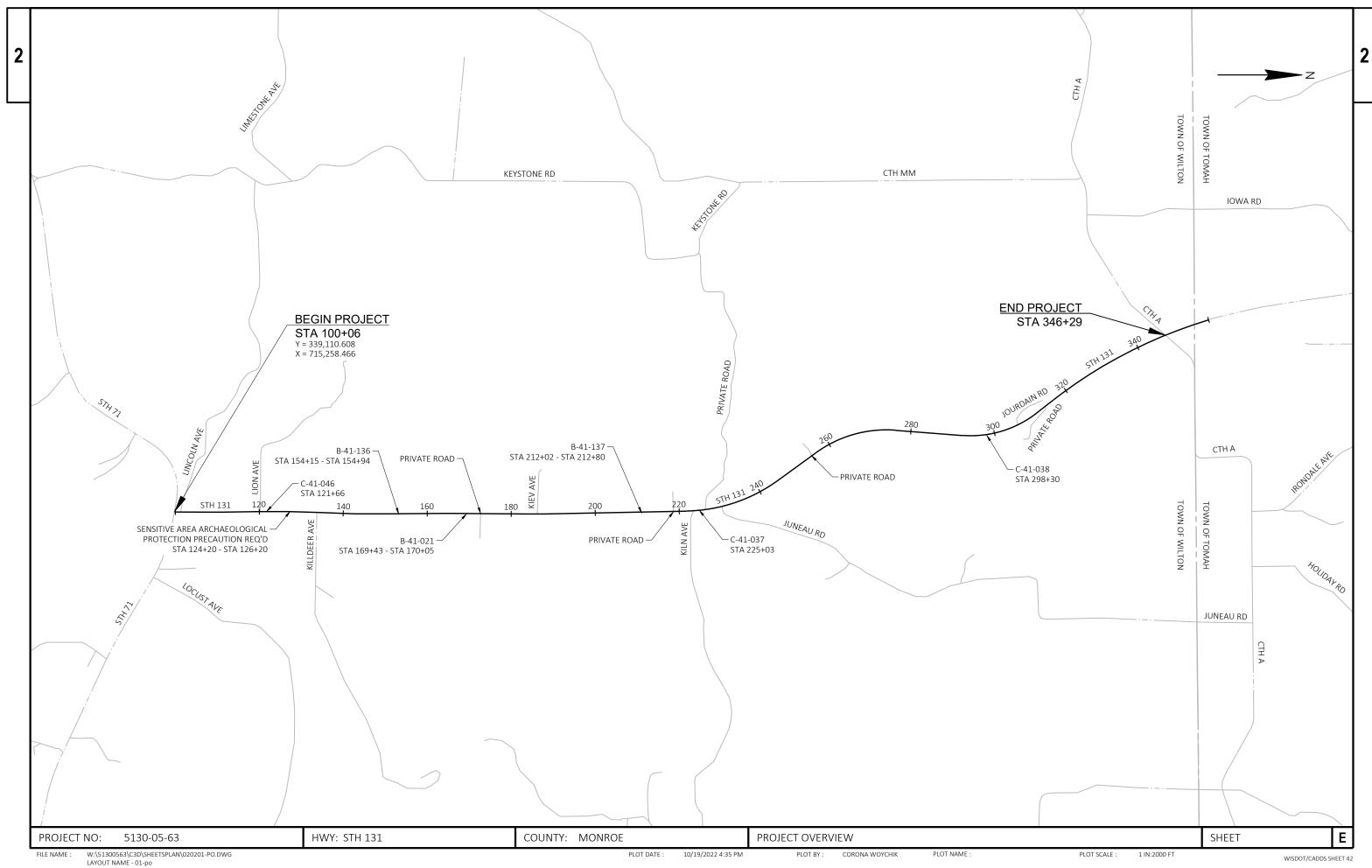
MADISON GAS AND ELEC MIKE SAVAGE 526 EAST DECKER VIROQUA, WI 54665 PHONE: (800) 245-1125 EMAIL: MSAVAGE@MGE.COM

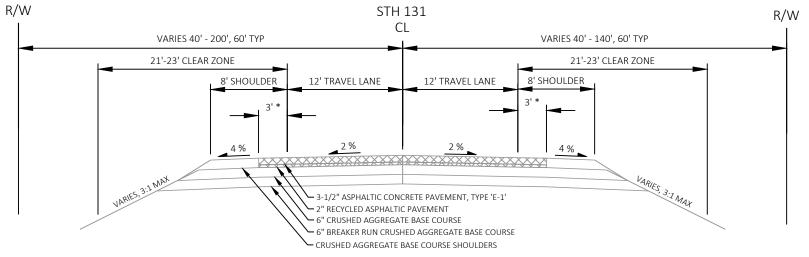
ELECTRICITY

OAKDALE ELEC COOP MATT RIGGS P.O. BOX 40 OAKDALE, WI 54649 PHONE: (608) 372-8828 EMAIL: MRIGGS@OAKDALEREC.COM



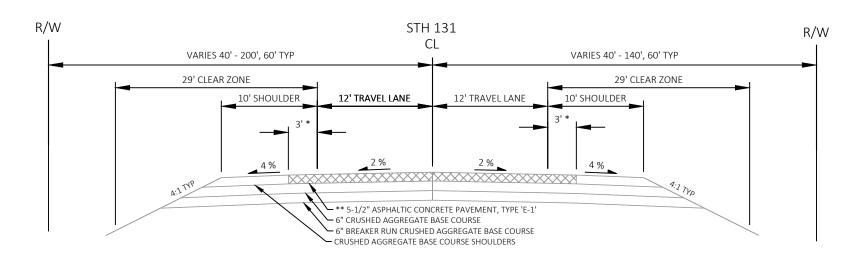
PROJECT NO: 5130-05-63 HWY: STH 131 COUNTY: MONROE GENERAL NOTES SHEET





EXISTING TYPICAL SECTION

STA 100+06 - 226+15



EXISTING TYPICAL SECTION

STA 226+15 - 267+86 STA 267+86 - 334+61 LT

NOTE:

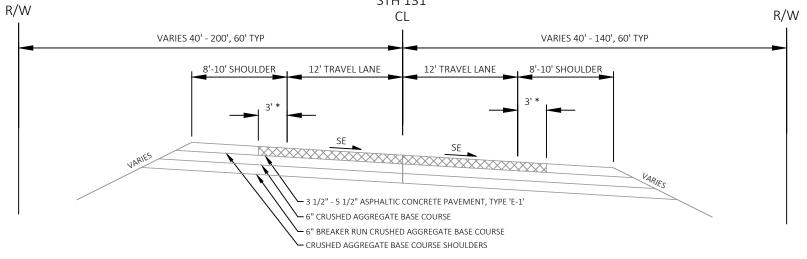
- * VARIES IN BEAM GUARD AREA

 ** PAVEMENT STRUCTURE NOT VERIFIED DUE TO MISSING AS-BUILT

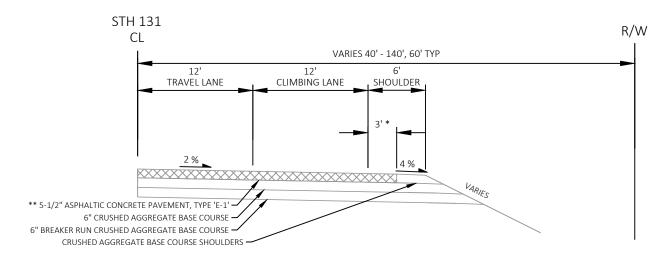
HWY: STH 131 Ε PROJECT NO: 5130-05-63 COUNTY: MONROE TYPICAL SECTIONS SHEET W:\51300563\C3D\SHEETSPLAN\020301-TS.DWG PLOT BY: CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : 10/19/2022 4:36 PM WISDOT/CADDS SHEET 42

LAYOUT NAME - 01-ts





EXISTING SUPERELVATED SECTION



EXISTING CLIMBING LANE HALF SECTION

STA 267+86 - 346+29 RT STA 334+61 - 346+29 LT

NOTE:

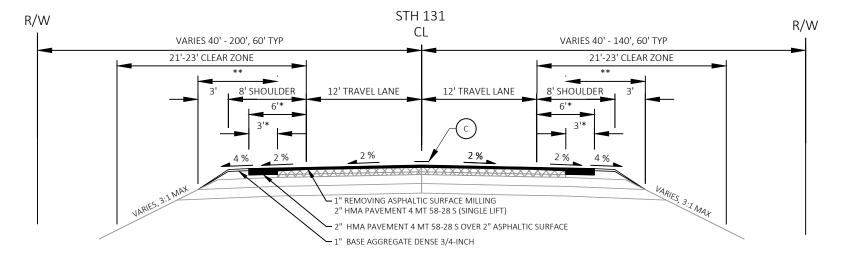
- * VARIES IN BEAM GUARD AREA

 ** PAVEMENT STRUCTURE NOT VERIFIED DUE TO MISSING AS-BUILT

HWY: STH 131 Ε PROJECT NO: 5130-05-63 COUNTY: MONROE TYPICAL SECTIONS SHEET W:\51300563\C3D\SHEETSPLAN\020301-TS.DWG PLOT BY: CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : 10/19/2022 4:36 PM WISDOT/CADDS SHEET 42

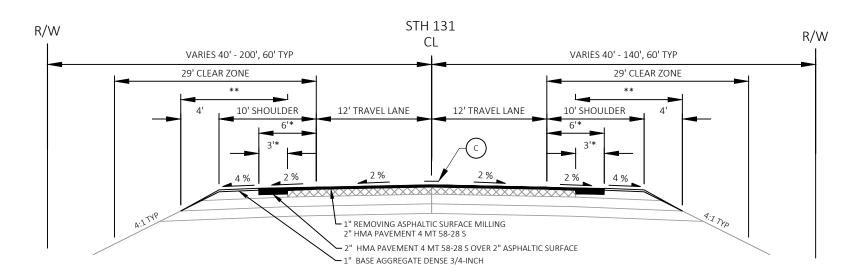
LAYOUT NAME - 02-ts





TYPICAL FINISHED SECTION

STA 100+06 - 226+15



TYPICAL FINISHED SECTION

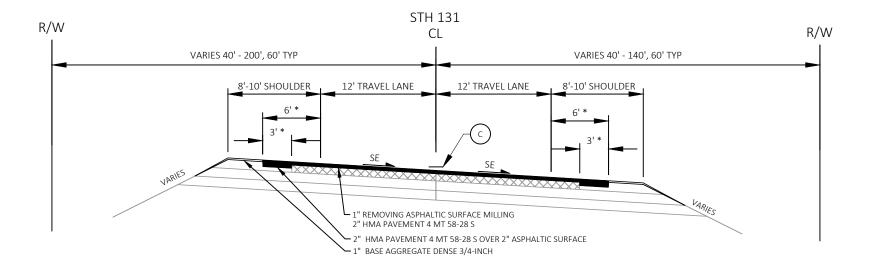
STA 226+15 - 267+86 STA 267+86 - 334+61 LT

- IN AREAS WITH PAVED SHOULDERS OR GUARDRAIL, CONTRACTOR TO MATCH EXISTING PAVING WIDTHS
- GUARDRAIL THAT IS REMAINING IN PLACE MILL/PAVE WITHIN 6" OF GUARDRAIL FACE IN EACH LANE
- (C) = ASPHALTIC SURFACE CENTERLINE RUMBLE STRIPS 2 LANE RURAL
- * VARIES IN BEAM GUARD AREA

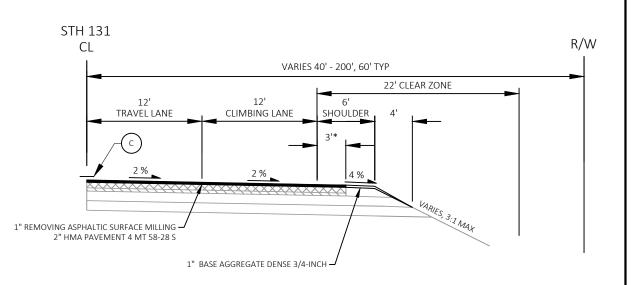
 ** LIMIT OF PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

HWY: STH 131 Ε PROJECT NO: 5130-05-63 COUNTY: MONROE TYPICAL SECTIONS SHEET W:\51300563\C3D\SHEETSPLAN\020301-TS.DWG PLOT BY: CORONA WOYCHIK PLOT NAME : 10/19/2022 4:36 PM PLOT SCALE : 1 IN:10 FT

		PERFLEVATION RE	PORT FOR '	131'								
TRANSITION EVEN	TPOINTS	RATE (FT/FT)										
		LEFT OF CROV			F CROWNLINE							
LOCATION	STATION	LEET SHOULDER	[FFT I ANF	RIGHTIANE	RIGHT SHOULDER							
CURVE 1												
CURVE 2												
CURVE 3	1											
End Normal Shoulder	138+77.43	-0.02	-0.02	-0.02	-0.02							
EndNormalCrown	138+77.43	0.02	0.02	0.02	0.02							
LevelCrown	139+57.43	-0.02	-0.02	0	0							
BeginFullSuper	140+37.43	-0.02	-0.02	0.02	0.02							
ReverseCrown	140+37.43	-0.02	-0.02	0.02	0.02							
EndFullSuper	142+75.26	-0.02	-0.02	0.02	0.02							
ReverseCrown	142+75.26	-0.02	-0.02	0.02	0.02							
LevelCrown	143+55.26	-0.02	-0.02	0	0							
BeginNormalCrown	144+35.26	-0.02	-0.02	-0.02	-0.02							
BeginNormalShoulder	144+35.26	-0.02	-0.02	-0.02	-0.02							
CURVE 4												
CURVE 5												
CURVE 6												
CURVE 7												
End Normal Shoulder	220+22.49	-0.02	-0.02	-0.02	-0.02							
End Normal Crown	220+22.49	0.02	0.02	0.02	0.02							
LevelCrown	221+02.49	-0.02	-0.02	0	0							
LowShoulderMatch	221+82.49	-0.02	-0.02	0.02	0.02							
ReverseCrown	221+82.49	-0.02	-0.02	0.02	0.02							
BeginFullSuper	222+18.49	-0.029	-0.029	0.029	0.029							
EndFullSuper	244+58.03	-0.029	-0.029	0.029	0.029							
LowShoulderMatch	244+94.03	-0.02	-0.02	0.02	0.02							
ReverseCrown	244+94.03	-0.02	-0.02	0.02	0.02							
LevelCrown	245+74.03	-0.02	-0.02	0	0							
BeginNormalCrown	246+54.03	-0.02	-0.02	-0.02	-0.02							
BeginNormalShoulder	246+54.03	-0.02	-0.02	-0.02	-0.02							
CURVE 8												
End Normal Shoulder	254+52.86	-0.02	-0.02	-0.02	-0.02							
End NormalCrown	254+52.86	-0.02	-0.02	-0.02	-0.02							
LevelCrown	255+32.86	0	0	0.02	0.02							
LowShoulderMatch	256+12.86	0.02	0.02	-0.02	-0.02							
ReverseCrown	256+12.86	0.02	0.02	-0.02	-0.02							
BeginHullSuper	256+68.86	0.034	0.034	0.034	0.034							
EndFullSuper	275+93.16	0.034	0.034	-0.034	-0.034							
LowShoulderMatch	276+49.16	0.02	0.02	-0.02	-0.02							
ReverseCrown	276+49.16	0.02	0.02	-0.02	-0.02							
LevelCrown	277+29.16	0	0	-0.02	-0.02							
BeginNormalCrown	278+09.16	-0.02	-0.02	-0.02	-0.02							
BeginNormalShoulder	278+09.16	-0.02	-0.02	-0.02	-0.02							
CURVE 9	276+03.10	-0. 0 2	-0.02	-0.02	-0.02							
EndNormalShoulder	290+60.79	-0.02	-0.02	-0.02	-0.02							
End Normal Crown	290+60.79	-0.02	-0.02	-0.02	-0.02							
LevelCrown	291+40.79	-0.02	-0.02	0.02	0							
LowShoulderMatch	291+40.79	0.02	0.02	0.02	0.02							
ReverseCrown	292+20.79 292+20.79	-0.02	-0.02	0.02	0.02							
				0.02								
BeginFullSuper	292+80.79	-0.035	-0.035		0.035							
EndFullSuper	310+92.27	0.035	0.035	0.035	0.035							
LowShoulderMatch	311+52.27	-0.02	-0.02	0.02	0.02							
ReverseCrown	311+52.27	-0.02	-0.02	0.02	0.02							
LevelCrown	312+32.27	-0.02	-0.02	0	0							
BeginNormalCrown	313+12.27	-0.02 -0.02	-0.02	-0.02 -0.02	-0.02 -0.02							
BeginNormalShoulder	313+12.27		-0.02									



FINISHED SUPERELVATED SECTION



FINISHED CLIMBING LANE HALF SECTION

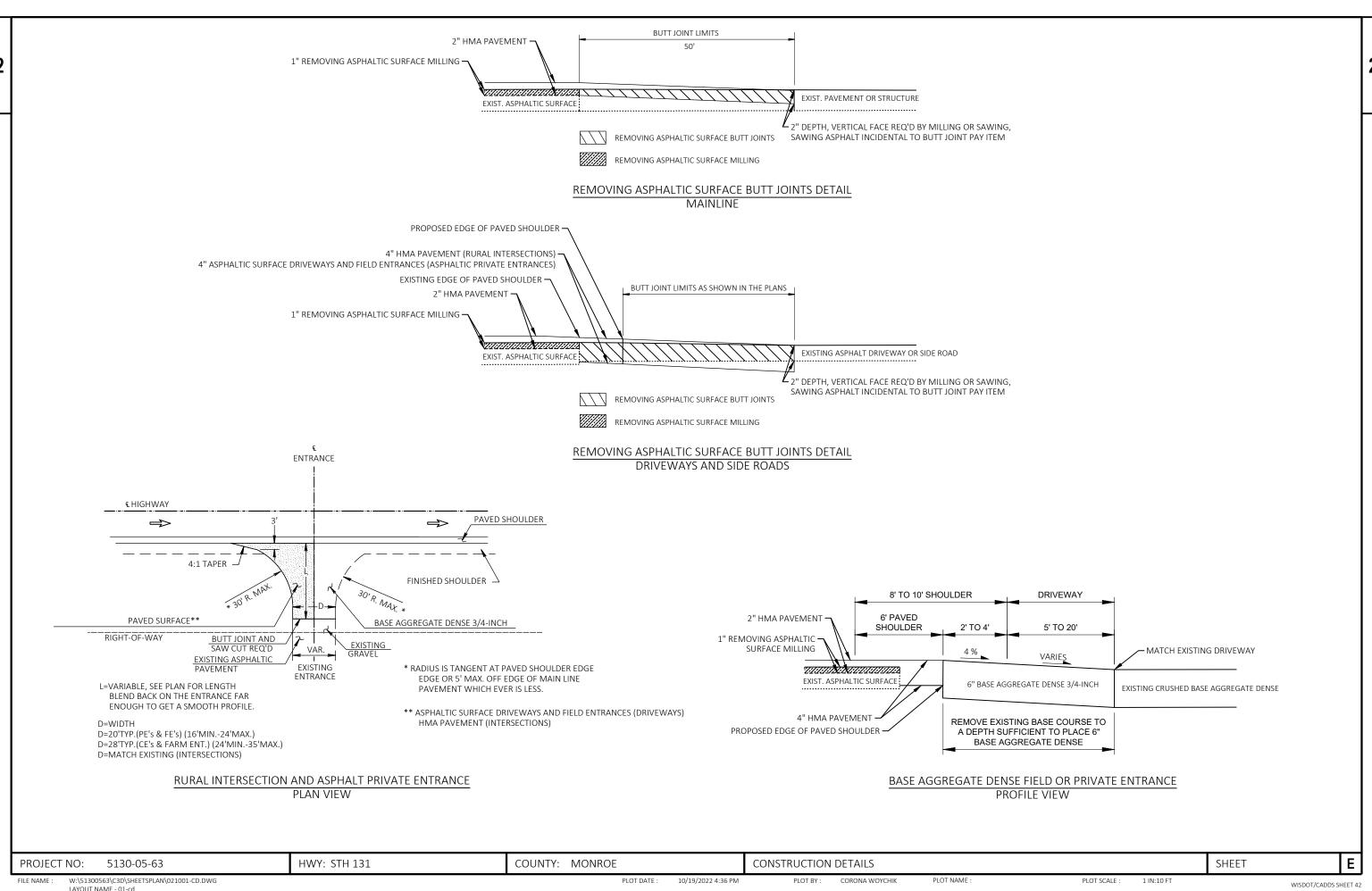
STA 267+86 - 346+29 RT STA 334+61 - 346+29 LT

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- GUARDRAIL THAT IS REMAINING IN PLACE MILL/PAVE WITHIN 6" OF GUARDRAIL FACE IN EACH LANE
- (C) = ASPHALTIC SURFACE CENTERLINE RUMBLE STRIPS 2 LANE RURAL
- * VARIES IN BEAM GUARD AREA

Ε PROJECT NO: 5130-05-63 HWY: STH 131 COUNTY: MONROE TYPICAL SECTIONS SHEET W:\51300563\C3D\SHEETSPLAN\020301-TS.DWG PLOT BY: CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:10 FT FILE NAME : 10/19/2022 4:36 PM

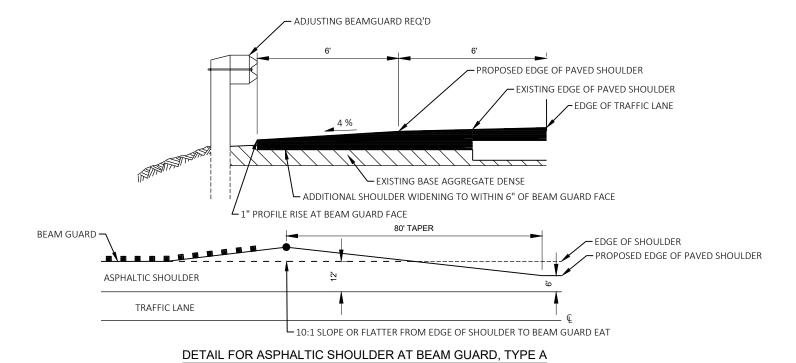
LAYOUT NAME - 04-ts

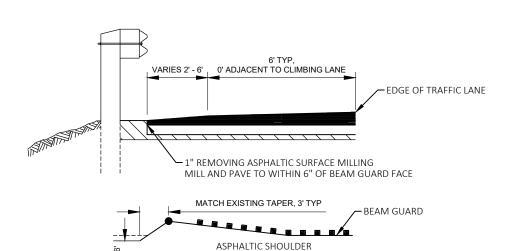
WISDOT/CADDS SHEET 42



LAYOUT NAME - 01-cd







STRUCTURE C-41-037

DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD, TYPE B ALL LOCATIONS EXCEPT STRUCTURE C-41-037

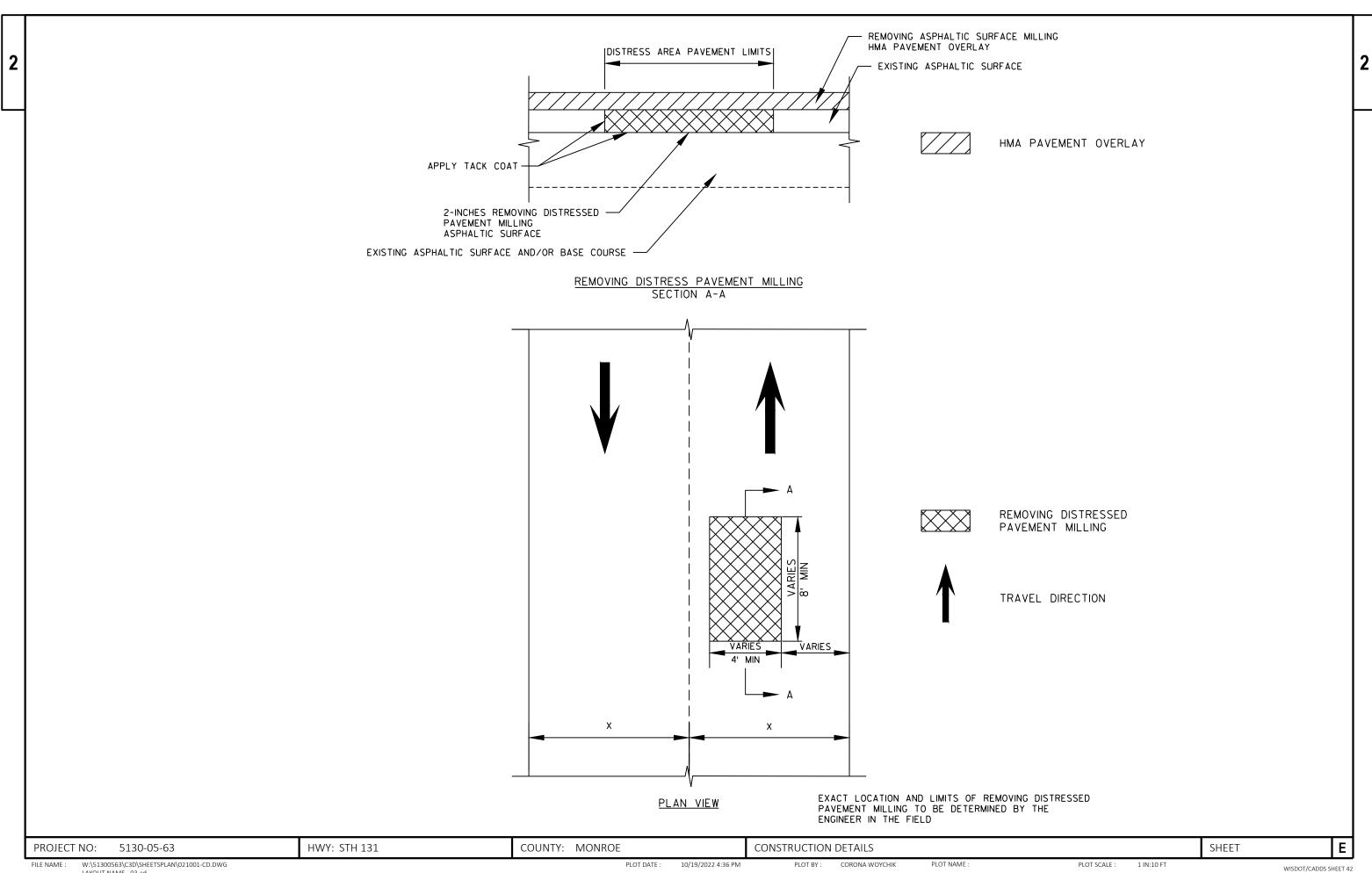
TRAFFIC LANE

PROJECT NO: 5130-05-63 HWY: STH 131 COUNTY: MONROE COUNTY: MONROE CONSTRUCTION DETAILS

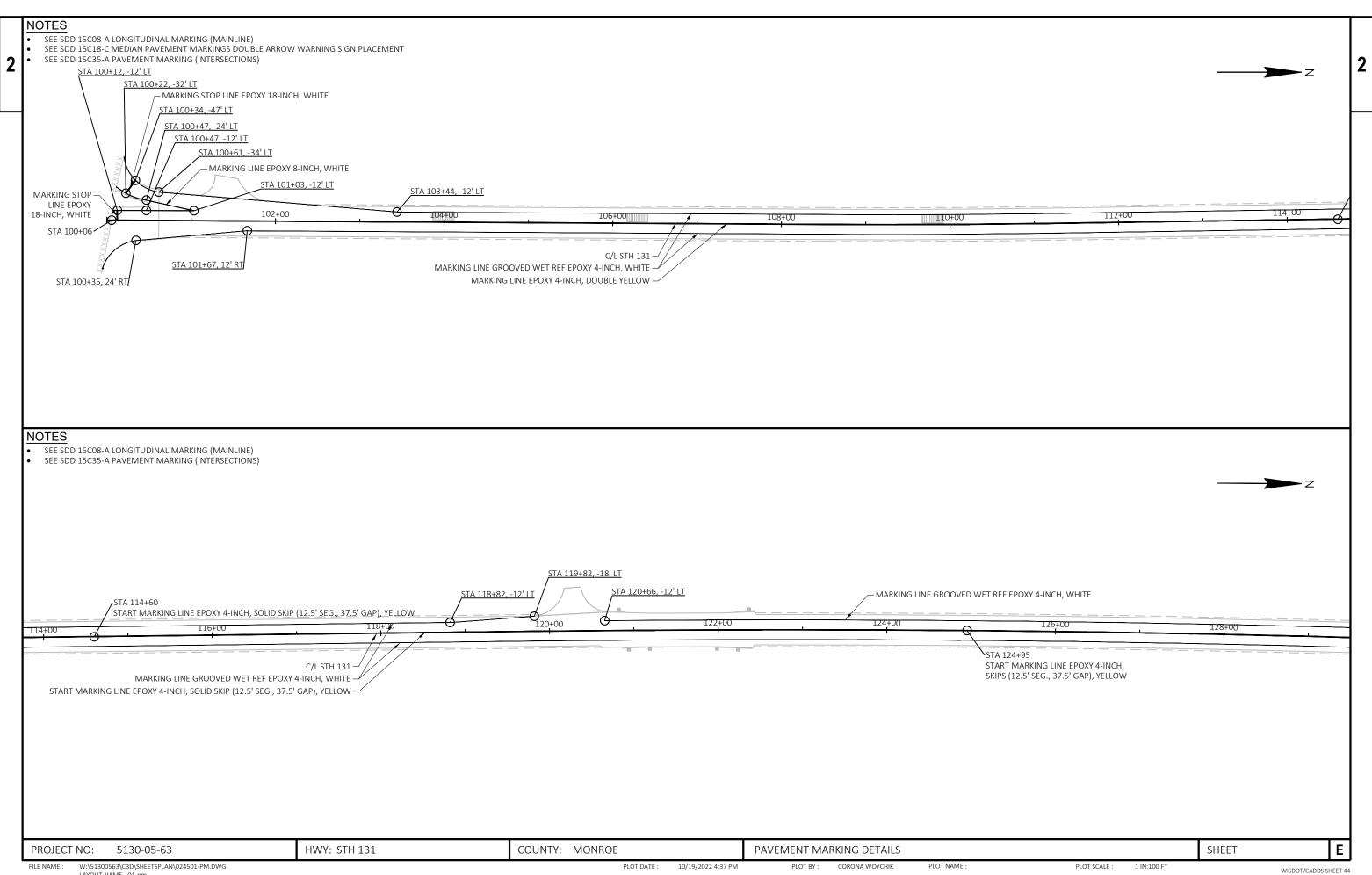
FILE NAME: W:\51300563\C3D\SHEETSPLAN\\021001-CD.DWG

LAYOUT NAME - 02-cd

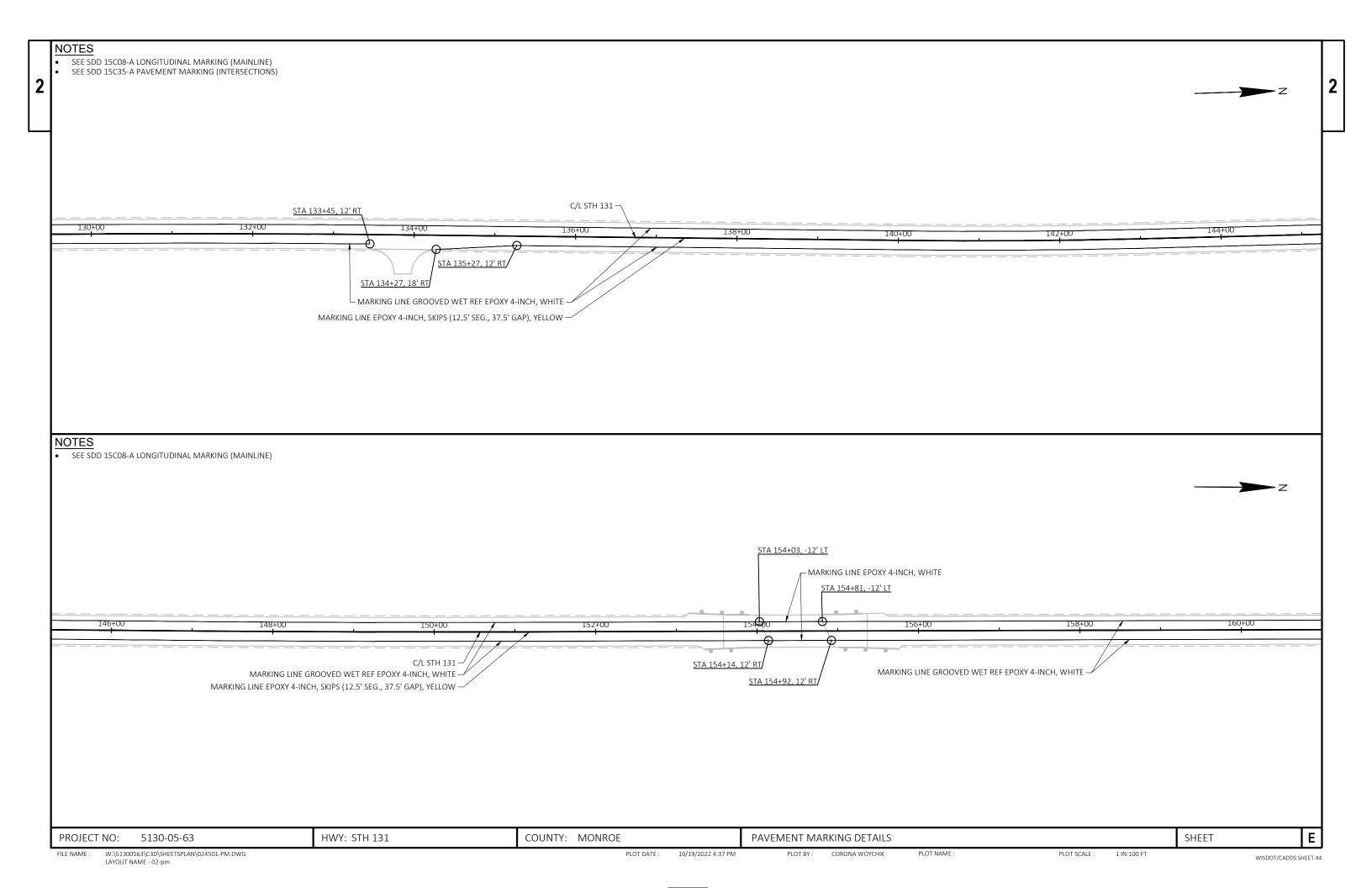
WISDOT/CADDS SHEET 42

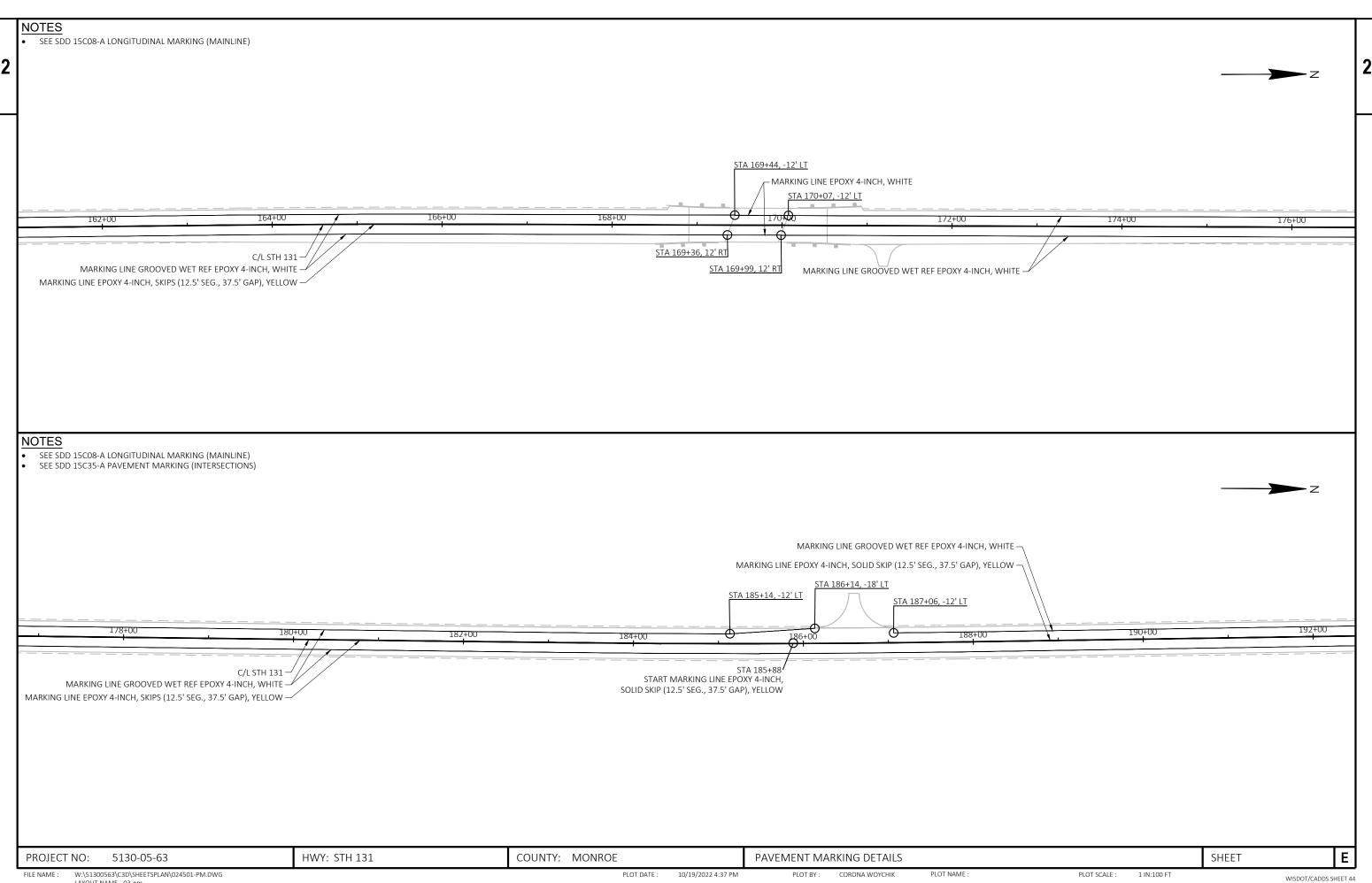


LAYOUT NAME - 03-cd

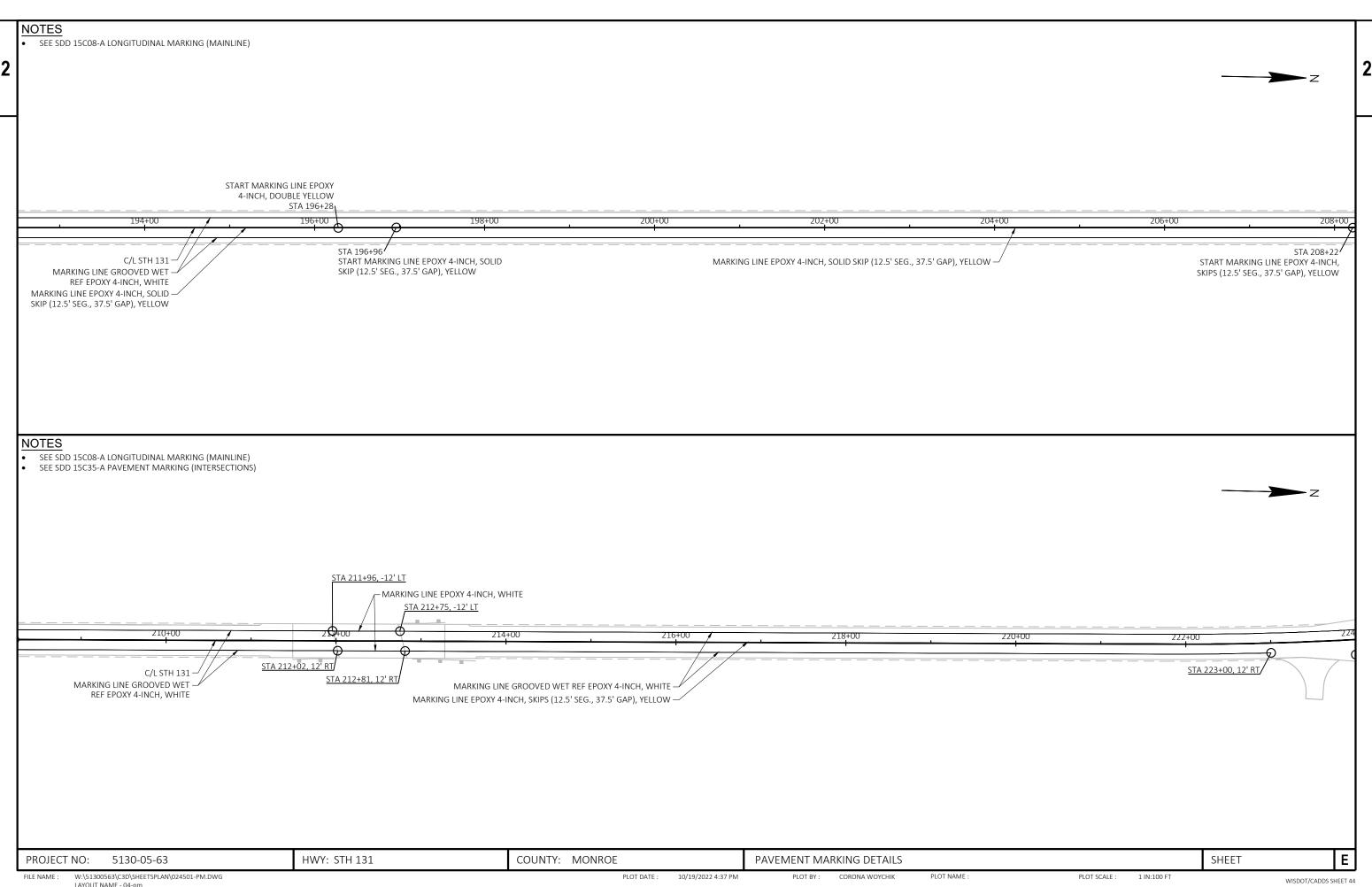


LAYOUT NAME - 01-pm

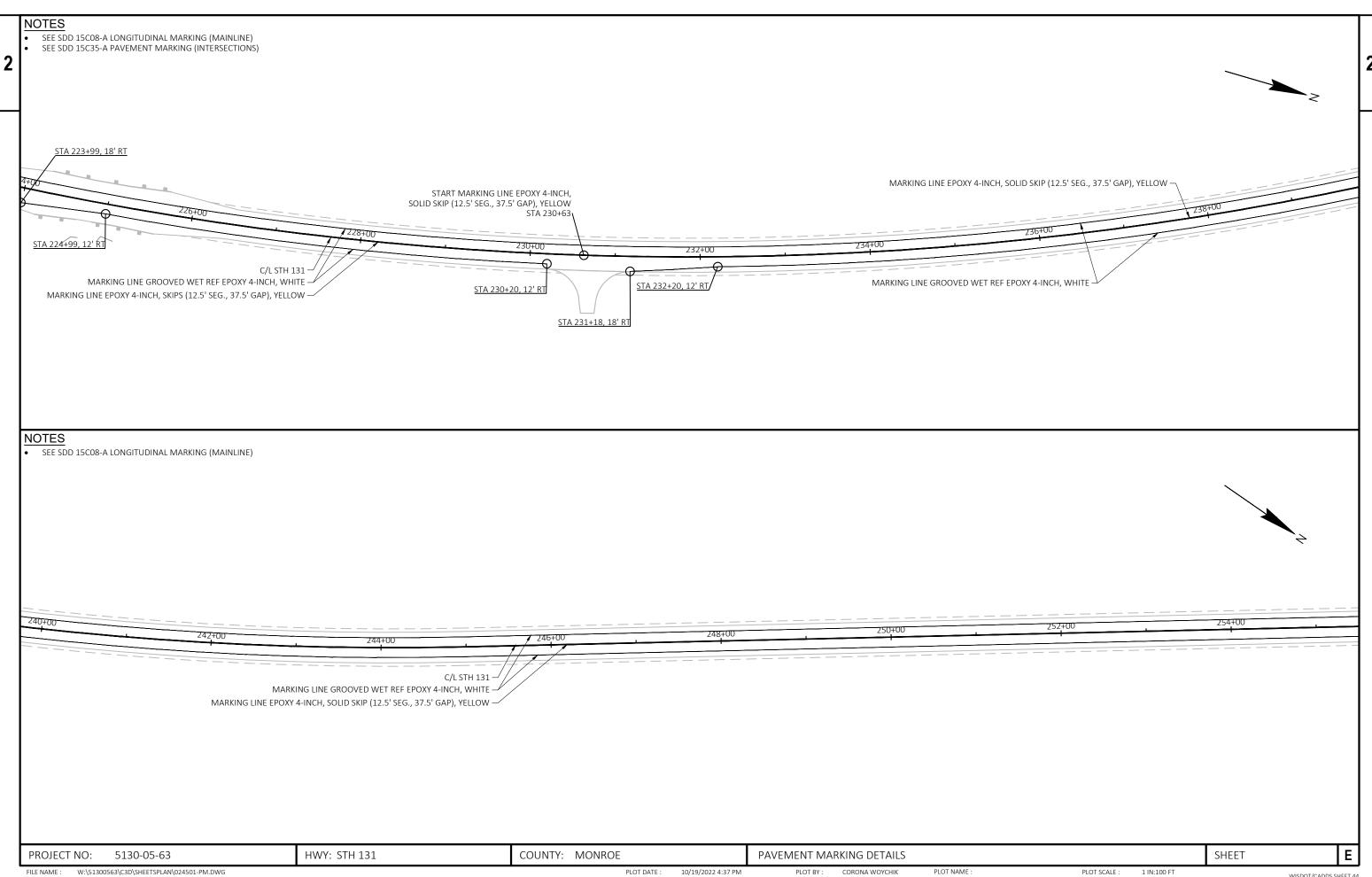




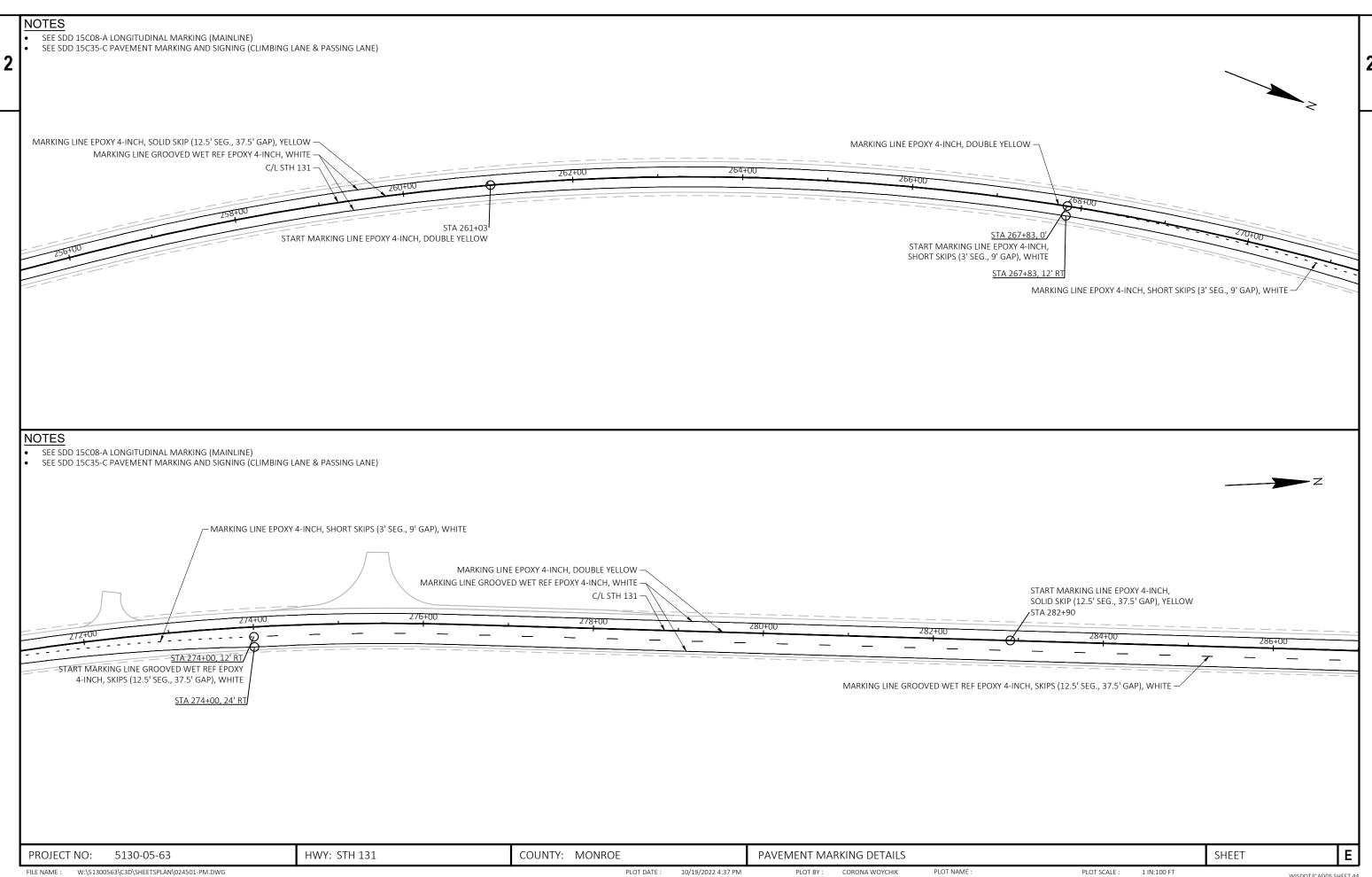
LAYOUT NAME - 03-pm



LAYOUT NAME - 04-pm

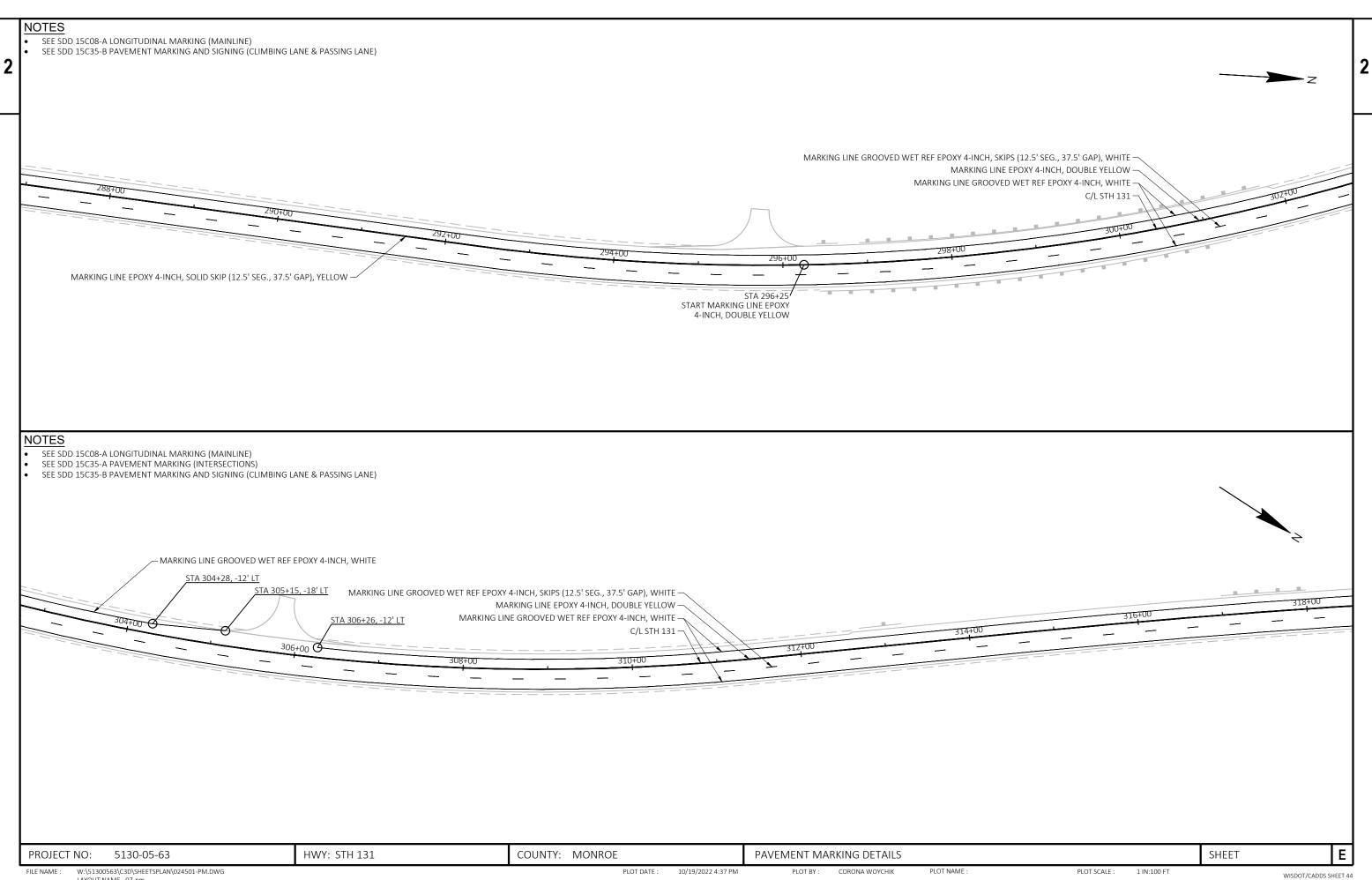


W:\51300563\C3D\SHEETSPLAN\024501-PM.DWG LAYOUT NAME - 05-pm WISDOT/CADDS SHEET 44

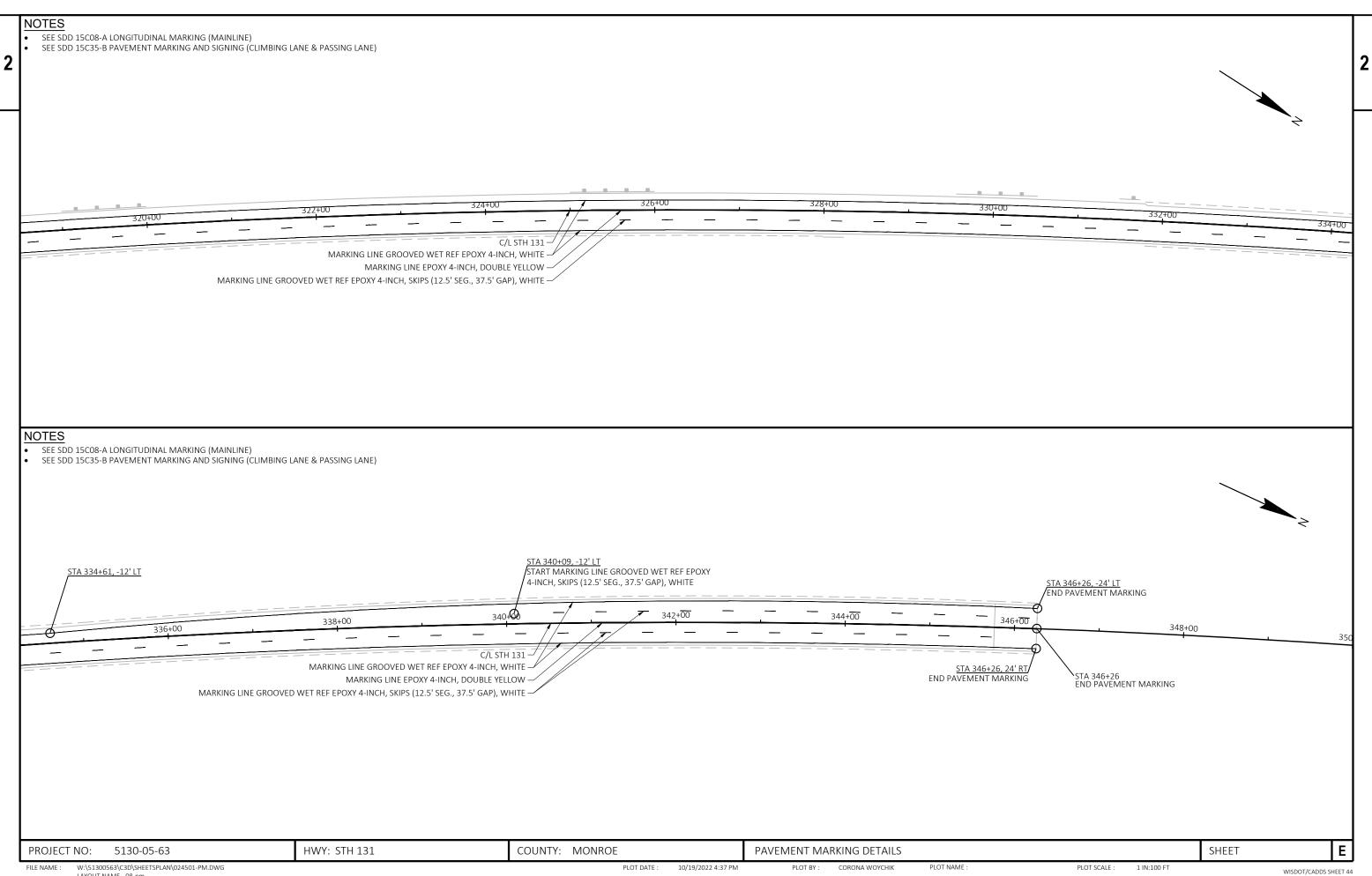


E: W:\\51300563\\C3D\\SHEETSPLAN\\024501-PM.DWG PLOT BY: CORONA WOYCHIK PLOT NAME: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 44

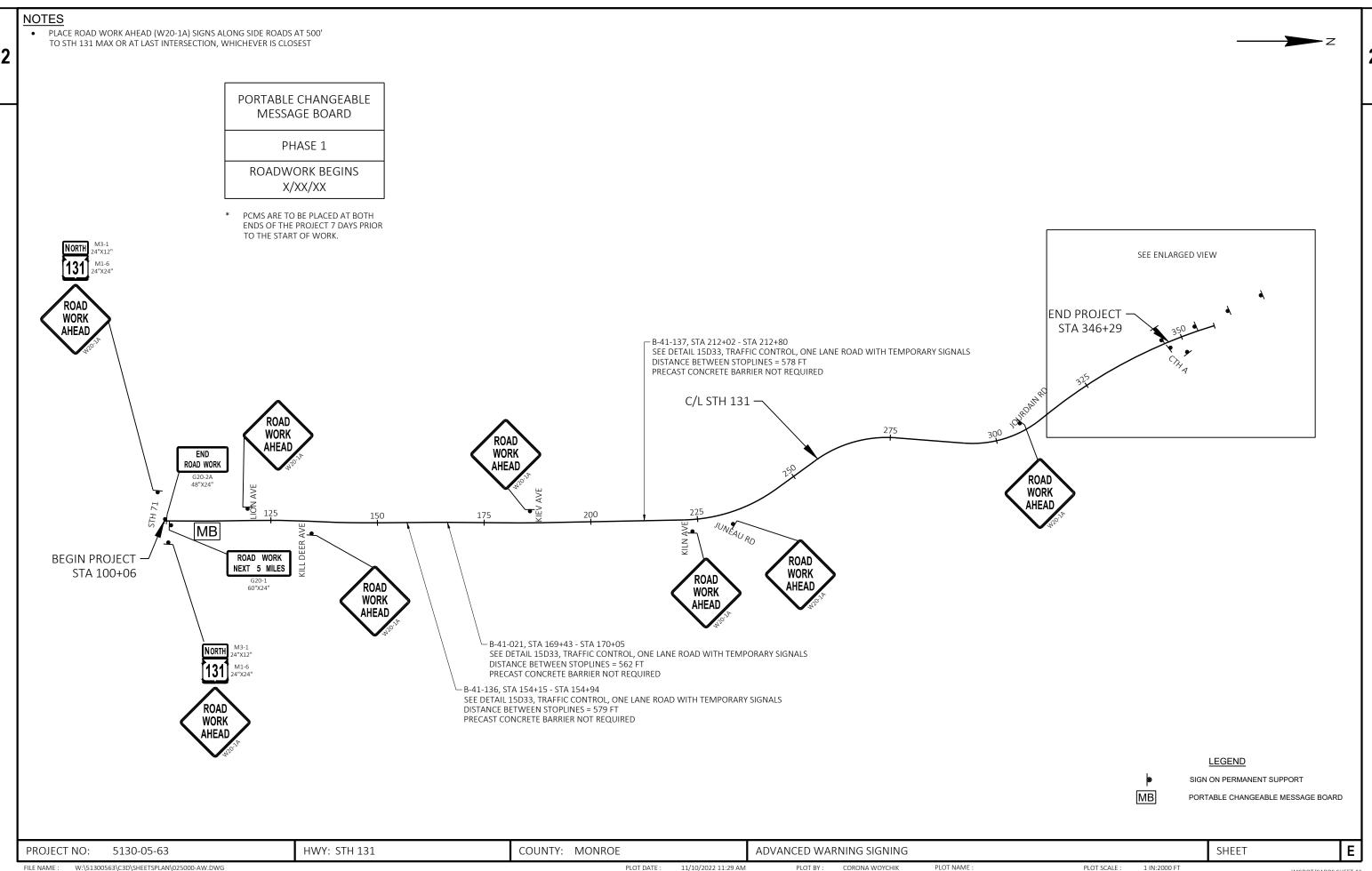
LAYOUT NAME - 06-pm



LAYOUT NAME - 07-pm



LAYOUT NAME - 08-pm



FILE NAME : W:\\$1300563\C3D\SHEETSPLAN\025000-AW.DWG PLOT BY : CORONA WOYCHIK PLOT NAME : 11/10/2022 11:29 AM PLOT BY : CORONA WOYCHIK PLOT NAME : 1 IN:2000 FT WISDOT/CADDS SHEET 42

WISDOT/CADDS SHEET 42

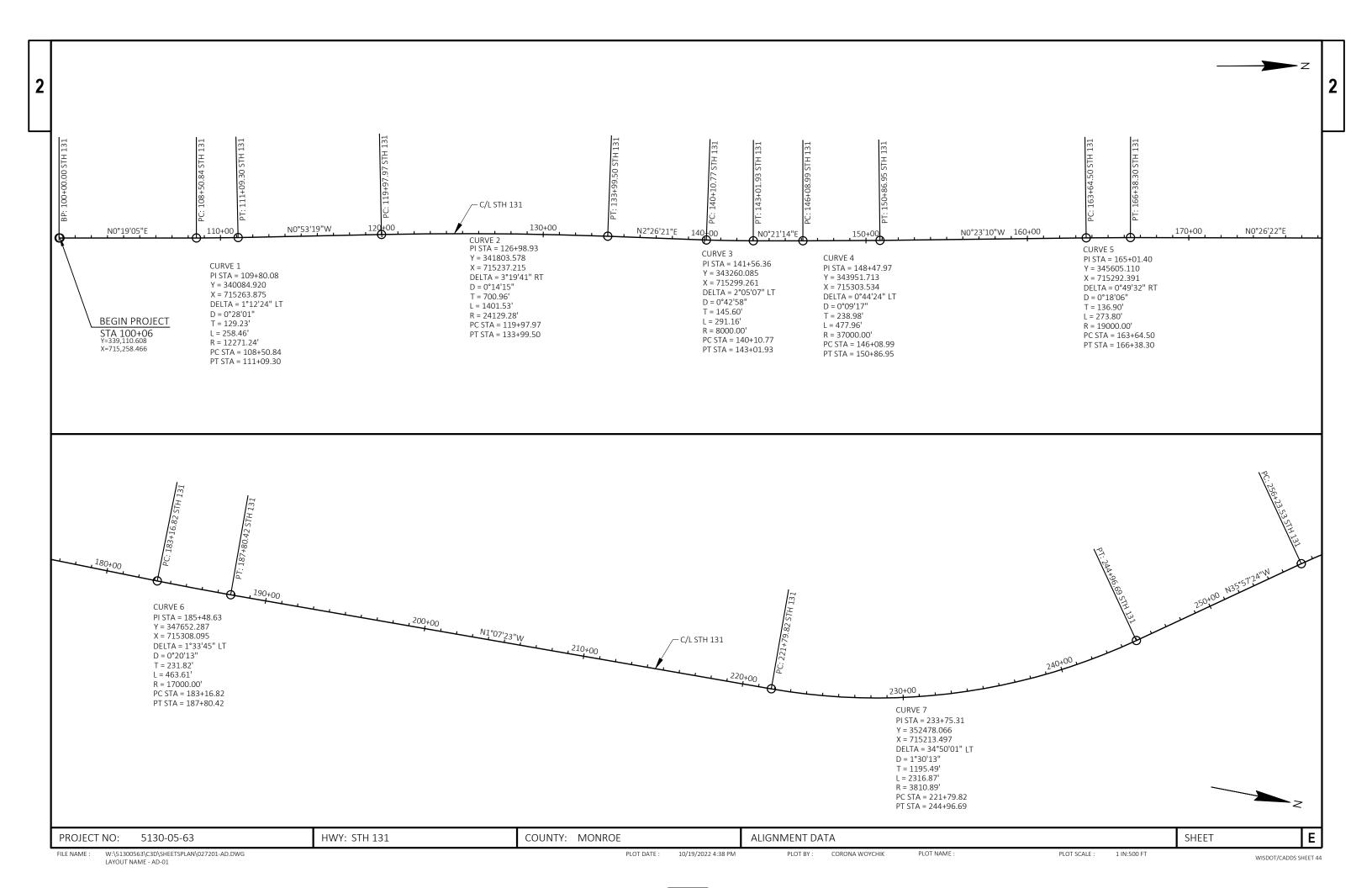
NOTES PLACE ROAD WORK AHEAD (W20-1A) SIGNS ALONG SIDE ROADS AT 500'
TO STH 131 MAX OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST PORTABLE CHANGEABLE MESSAGE BOARD PHASE 1 **ROADWORK BEGINS** X/XX/XX * PCMS ARE TO BE PLACED AT BOTH ENDS OF THE PROJECT 7 DAYS PRIOR TO THE START OF WORK. ROAD WORK AHEAD WORK 1000 FT WORK — END PROJECT STA 346+29 MB ROAD END ROAD WORK WORK ROAD WORK NEXT 5 MILES AHEAD └─ C/L STH 131

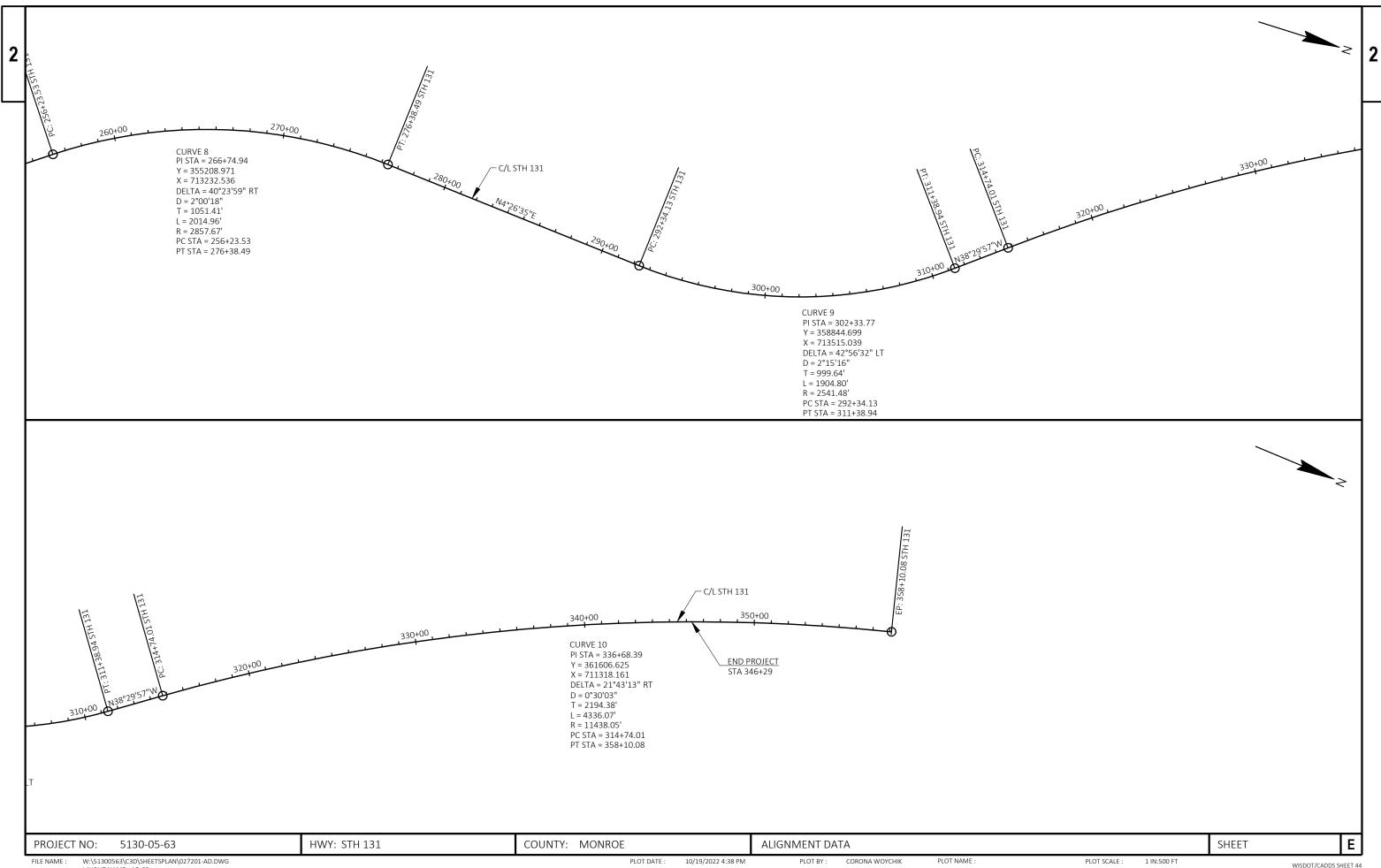
HWY: STH 131 Ε PROJECT NO: 5130-05-63 COUNTY: MONROE ADVANCED WARNING SIGNING SHEET W:\51300563\C3D\SHEETSPLAN\025000-AW.DWG LAYOUT NAME - AW-02 FILE NAME : PLOT DATE : PLOT BY: CORONA WOYCHIK PLOT NAME : PLOT SCALE : 1 IN:1000 FT 11/10/2022 11:29 AM WISDOT/CADDS SHEET 42

LEGEND

SIGN ON PERMANENT SUPPORT

PORTABLE CHANGEABLE MESSAGE BOARD





W:\51300563\C3D\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - AD-02 WISDOT/CADDS SHEET 44

5130-05-63	
_	

					3130 03 03		
Line	Item	Item Description	Unit	Total	Qty		
0002	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000	0	
0004		Abatement of Asbestos Containing Material (structure) 01. B-41-136	EACH	1.000	1.000		
0006	203.0211.S	Abatement of Asbestos Containing Material (structure) 02. B-41-21	EACH	1.000	1.000		
8000	203.0220	Removing Structure (structure) 01. C-41-46	EACH	1.000	1.000		
0010	203.0220	Removing Structure (structure) 02. C-41-37	EACH	1.000	1.000		
0012	203.0220	Removing Structure (structure) 03. C-41-38	EACH	1.000	1.000		
0014	203.0335	Debris Containment Over Waterway (structure) 01. B-41-136	EACH	1.000	1.000		
0016	203.0335	Debris Containment Over Waterway (structure) 02. B-41-21	EACH	1.000	1.000		
0018	203.0335	Debris Containment Over Waterway (structure) 03. B-41-137	EACH	1.000	1.000		
0020	204.0115	Removing Asphaltic Surface Butt Joints	SY	3,900.000	3,900.000		
0022	204.0120	Removing Asphaltic Surface Milling	SY	91,500.000	91,500.000		
0024	204.0170	Removing Fence	LF	48.000	48.000		
0026	204.0180	Removing Delineators and Markers	EACH	6.000	6.000		
0028	206.2001	Excavation for Structures Culverts (structure) 01. C-41-46	EACH	1.000	1.000		
0030	206.2001	Excavation for Structures Culverts (structure) 02. C-41-37	EACH	1.000	1.000		
0032	206.2001	Excavation for Structures Culverts (structure) 03. C-41-38	EACH	1.000	1.000		
0034	206.5001	Cofferdams (structure) 01. C-41-46	EACH	4.000	4.000		
0036	206.5001	Cofferdams (structure) 02. C-41-37	EACH	4.000	4.000		
0038	206.5001	Cofferdams (structure) 03. C-41-38	EACH	4.000	4.000		
0040	210.2500	Backfill Structure Type B	TON	559.000	559.000		
0040	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 5130-05-63	EACH	1.000	1.000		
0042	211.0101	Prepare Foundation for Asphaltic Shoulders	STA	351.000	351.000		
0044	213.0100	Finishing Roadway (project) 01. 5130-05-63	EACH	1.000	1.000		
0048	305.0110	Base Aggregate Dense 3/4-Inch	TON	964.000	964.000		
0048	311.0110	Breaker Run	TON	51.000	51.000		
0050	455.0605	Tack Coat	GAL	8,572.000	8,572.000		
0052		HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000		
0054		HMA Percent Within Limits (PWL) Test Strip Volumetrics HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000		
0058							
	460.2005	Incentive Density HMA Payament Longitudinal Joints	DOL	8,412.000	8,412.000		
0060	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	12,210.000	12,210.000		
0062	460.2010	Incentive Air Voids HMA Pavement	DOL	12,230.000	12,230.000		
0064	460.6224	HMA Pavement 4 MT 58-28 S	TON	12,230.000	12,230.000		
0066	465.0105	Asphaltic Surface Private and Field Estrange	TON	1,890.000	1,890.000		
0068	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	88.000	88.000		
0070	465.0450	Asphaltic Intersection Rumble Strips	SY	75.000	75.000		
0072	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	9,096.000	9,096.000		
0074	502.3200	Protective Surface Treatment	SY	370.000	370.000		
0076	502.4204	Adhesive Anchors No. 4 Bar	EACH	182.000	182.000		
0078	504.0100	Concrete Masonry Culverts	CY	74.000	74.000		
0800	505.0400	Bar Steel Reinforcement HS Structures	LB	305.000	305.000		
0082	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	7,180.000	7,180.000		
0084	509.1500	Concrete Surface Repair	SF	1,018.000	1,018.000		
0086	509.9020.S	Epoxy Crack Sealing	LF	69.000	69.000		
8800	511.1200	Temporary Shoring (structure) 01. C-41-46	SF	410.000	410.000		
0090	511.1200	Temporary Shoring (structure) 02. C-41-37	SF	284.000	284.000		
0092	511.1200	Temporary Shoring (structure) 03. C-41-38	SF	412.000	412.000		
0094	516.0500	Rubberized Membrane Waterproofing	SY	43.000	43.000		
0096	521.3136	Culvert Pipe Corrugated Steel 36-Inch	LF	8.000	8.000		
0098	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	193.000	193.000)	

01002 81-10-0000 81-10-0000 Mill of						5130-05-63	
0104 611-0050 Rejusing Quardani Posts and Boloses EACH 4000 1,000 0108 611-000 Maintenance And Faller or Heal Kroted group (01, 519.04.54) EACH 1,000 1,000 0108 621-000 Maintenance And Eage of Heal Kroted group (01, 519.04.54) EACH 1,000 1,000 0112 628-5100 Sill French F 600.000 600.000 0116 628-5100 Inferior Maintenance Forman Correct EACH 5,000 5,000 0120 628-200 Contact Mat Urban Clear Type B SY 500.000 5,000 0120 628-200 Contact Mat Urban Clear Type B SY 500.000 5,000 0120 628-200 Contact Mat Urban Clear Type B SY 5,000 5,000 0120 628-200 Contact Mat Urban Clear Type B SY 6,000 1,000 0120 628-200 Contact Mat Urban Clear Type B SY 6,000 1,000 0120 628-200 Contact Mat Urban Clear Type B SY 6,000 1,000	Line	Item	Item Description	Unit	Total	Qty	
618 50 100 818 50 100 Molitation of Notification of N	0100	614.0400	Adjusting Steel Plate Beam Guard	LF	2,725.000	2,725.000	
100 100	0102	614.0950	Replacing Guardrail Posts and Blocks	EACH	94.000	94.000	
1010 26.2 M 1000 Sale good Topoll MSAL 14.000 14.000 1012 6.98 1.500 Sale Forms IF 6.000 000 6.000 000 1012 6.98 1.500 Sale Forms IF 6.000 000 6.000 000 1018 6.88 1.500 Manufactors Econom Control FAVI 3.000 5.000 1019 6.88 1.500 Manufactors Econom Control FAVI 3.000 9.000 102 6.82 0.000 Femal Manufactors Econom Control FAVI 3.000 9.000 102 6.82 0.000 Sending Manus Ho. 22 Control Manufactor Description From Control FAVI 3.000 9.000 103 8.000 00 Seed Value RATE 4.000 9.000 9.000 103 8.000 00 Seed Value Manufactor Cheer Econom Control FAVI 4.000 9.000 103 8.000 00 Seed Value Manufactor Cheer Econom Control FAVI 4.000 9.000 103 8.000 00 Tall Econom Control FAVI 4.000	0104	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5130-05-63	EACH	1.000	1.000	
010 020 Soly Object Set Service Column Col	0106	619.1000	Mobilization	EACH	1.000	1.000	
011	0108	624.0100	Water	MGAL	14.000	14.000	
0114 628.1520 Sill Form Ministransprome (Price of Sach 1940 Mobilizations Emergency Forsion Control (Cash 1940 Mobilizations Emergency Forsion Cash 1940 Mobilizations Emergency Forsion Ca	0110	625.0500	Salvaged Topsoil	SY	500.000	500.000	
0116 828.190 Mobilizations Encience Control EACH 5.000 5.000 110 628.200 Encole Mobilizations Engeneyor Encient Control EACH 5.000 5.000 122 628.200 Encole Mat Uthan Class I Type B SV 600.000 15.000 122 80.00120 Seeding femplay EACH 15.000 15.000 122 80.00120 Seeding femplay EACH 15.000 15.000 123 80.00120 Seeding femplay EACH 15.000 15.000 123 80.00120 Seeding femplay EACH 15.000 15.000 124 81.001 15.000 15.000 15.000 125 81.001 15.000 15.000 15.000 124 81.001 15.000 15.000 15.000 124 81.001 15.000 15.000 15.000 124 81.001 15.000 15.000 15.000 124 81.001 15.000 15.000 15.000	0112	628.1504	Silt Fence	LF	600.000	600.000	
0116 62,81191 Millardians Emergroup's Proson Corrul EACH Millardians Emergroup's Proson Corrul ACH Millardians Emergroup's Proson Corrul SY 00,000 500,000 012 62,90121 Emiliar Type B SY 00,000 500,000 0.000 012 63,0120 South Emiliar Type B SY 00,000 13,000 012 63,0120 South Emiliar Type B SW 13,000 13,000 013 63,020 South Emiliar Type B SW 14 10,000 13,000 013 63,020 South Emiliar Count Emiliar Count Emiliar Count Emiliar Count Emiliar Count Emiliar Style B EACH 10,000 13,000 013 63,020 South Emiliar Count Emiliar Count Emiliar Count Emiliar Count Emiliar Count Emiliar Count Emiliar Style B EACH 10,000 13,000 014 63,100 South Emiliar Count Emiliar Style B EACH 10,000 13,000 30,000 014 63,100 South Emiliar Style B EACH 10,000 13,000 30,000 014 63,100 South Emiliar Style B EACH 10,000 13,000 30,000 014 63,100 South Emiliar Style B DAY 2,000 2,800,000 2,800,000 014 63,100 South Emiliar Style B DAY 2,800 2,800,000 2,800,000 014 64,310 South Emiliar Style B DAY 2,800 2,800,000 2,800,000 014 64,310 South Emiliar Style Style Emiliar Style B Emiliar Styl	0114	628.1520	Silt Fence Maintenance	LF	600.000	600.000	
0120 628.2008 Erosino Mal Urban Class 1 Type B SY 500.00 500.00 0124 630.0120 Souting Minture No. 20 IB 13.00 13.000 0126 630.0500 Seeding Temporary IB 13.000 13.000 0128 630.0500 Seeding Temporary IB 13.000 10.000 0129 642.5001 Markers Cuhen End ECH 1.000 1.000 0129 642.5001 Tidle Control Barneades Type III DAY 3.000 3.000 0158 643.0121 Trailic Control Signe DAY 3.000 3.000 0168 643.0121 Trailic Control Signe DAY 2.800 000 2.800 000 0169 643.01801 Trailic Control Signe DAY 2.800 000 2.800 000 0164 643.01801 Trailic Control Signe DAY 2.800 000 2.800 000 0165 643.01801 Trailic Control Signe DAY 2.800 000 2.800 000 0166 643.01801 Trailic Control Signe<	0116	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000	
0122 688,0101 Gending Mutuer No.20 CMY 0.00 0.300 128 Sealing Mutuer No.20 LB 13.000 13.000 0120 0.300,000 Sealing Mutuer No.20 LB 13.000 10.000 0130 0.335,200 Seal Water Full Cornel End EACH 1,000 6.000 0131 6.335,200 Triell Cornel Drum DAY 1,700 1,000 0134 6.43,200 Triell Cornel Branch Grant Drum DAY 1,700 1,000 0140 6.43,200 Triell Cornel Branch Branch Strate Strat	0118	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0122 69.0216 Seading Mitture No. 20 LB 13.000 0126 69.00000 Seading Mitture No. 20 LB 13.000 13.000 0126 69.00000 Seading Mitture No. 20 LB 13.000 13.000 0130 69.00000 Sead Water MARCH 10.000 6.000 0131 69.30000 Thick Cohrist Drums DAV 1.790.000 1.790.000 0134 64.30000 Thick Cohrist Drums DAV 1.790.000 1.790.000 0140 64.30000 Traffic Cohrist Drums DAV 2.890.000 2.880.000 0140 64.30000 Traffic Cohrist Signs DAY 2.890.000 2.880.000 0140 64.30000 Traffic Cohrist Signs PCMS DAY 2.800.000 2.800.000 0140 64.30000 Traffic Cohrist Signs DAY 2.800.000 2.730.000 0140 64.30000 Traffic Cohrist Signs Charle Cohrist Signs PCMS DAY 2.800.000 0140 64.30000 Traffic Cohrist Signs PCMS	0120	628.2008		SY	500.000	500.000	
0124 0 6300120 Seeding Moxtare No. 20 Bell 13 000 13.000 0126 0 6300500 Seeding Improvary BB 13 000 10.000 0128 0 630500 Seeding Improvary BB 13 000 10.000 0130 0 632500 Markers Culvert End EACH 1 0.000 1.000 0131 0 6425001 Markers Culvert End EACH 1 7,970.00 1.770.00 0130 6 643501 Trait Control Bureaudes Style III DAY 2 1,970.00 3.000 1.000 0140 6 643501 Trait Control Bureaudes Style III DAY 2 240.00 2.240.00 0140 6 643501 Trait Control Bureaudes Style III DAY 2 240.00 2.280.00 0140 6 643501 Trait Control Bureaudes Style III DAY 2 16.000 2.280.00 0140 6 643501 Trait Control Signs DAY 1 16.000 2.280.00 0141 6 643501 Trait Control Signs Authors Signs In Enders Signs In							
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0194 SPV.0060 Special 01. Reseal Railing Post Connections EACH 74.000 74.000			¥ ','				
0196 SPV 0060 Special 02 Cleaning Box Culvert C-41-046 FACH 1 000 1 000			· · · · · · · · · · · · · · · · · · ·				
57.00 GF 97.0000 GP00Ial 02. Globaling Box Outvoit 0 41 040	0196	SPV.0060	Special 02. Cleaning Box Culvert C-41-046	EACH	1.000	1.000	

Estimate Of Quantities		

					5130-05-63
Line	Item	Item Description	Unit	Total	Qty
0198	SPV.0060	Special 03. Cleaning Box Culvert C-41-037	EACH	1.000	1.000
0200	SPV.0060	Special 04. Cleaning Box Culvert C-41-038	EACH	1.000	1.000
0202	SPV.0090	Special 01. Flashing Stainless Steel	LF	462.000	462.000
0204	SPV.0090	Special 02. Reseal Abutment Diaphragm Joints	LF	116.000	116.000
0206	SPV.0090	Special 03. Shoulder Existing Beamguard	LF	4,925.000	4,925.000
0208	SPV.0180	Special 01. Removing Distressed Pavement Milling	SY	615.000	615.000

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DVING NCE	204.017 REMOVIN FENCE	LOCATION	STATION	CATEGORY		DENANDVO		SPV.0180.01 SPECIAL (REMOVING DISTRESSED PAVEMENT MILLING)	REMOVING ASPHALTIC SURFACE MILLING	LOCATION	TO STATION	STATION :	CATECORY	DEMARKS	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY		STATION	TATION TO	TECODY (
		LOCATION	STATION		26	REMARKS ART to B-41-13	СТ	SY -	SY 17,900	LOCATION LT/RT	<u>- 154+15</u>		CATEGORY 0010	REMARKS PROJECT START	416	RT/LT		TATION TO	
		60' RT 60' RT	224+70 225+00			L-136 to B-41-13		- -	4,830	LT/RT	- 154+15		0010	LINCOLN AVE	111	LT	100+02	100+00 -	
		TOTAL	223+00	0010		L-021 to B-41-1		_	13,987	LT/RT	- 212+02		0010	LION AVE	128	LT		20+28 -	
+0	. 40	TOTAL				37 to PASSING		-	19,629	LT/RT	- 271+00		0010	KILLDEER AVE	118	RT		133+86 -	
						SING LANE to E		-	35,135	LT/RT	- 346+29		0010	B-41-136 SOUTH	224	RT/LT	154+08	153+58 -	
								615	D -	UNDISTRIBUTE	-		-	B-41-136 NORTH	224	RT/LT	155+36	54+86 -	
							-	615	91,500	TOTAL				B-41-021 SOUTH	222	RT/LT	169+40	- 68+90	0010
														B-41-021 NORTH	224	RT/LT	170+53	70+03 -	0010
														DRIVEWAY	66	RT		71+19 -	0010
														KIEV AVE	133	LT		- 86+68	0010
				GATE DENSE SHOULDI	BASE AGGREG									B-41-137 SOUTH	222	RT/LT	211+99	211+49 -	0010
		5.0100		211.0400										B-41-137 NORTH	222	RT/LT	213+28	212+78 -	
		SASE		PREPARE										KILN AVE	188	RT		223+49 -	
		REGATE		FOUNDATION FOR										JUNEAU RD	179	RT		230+69 -	
		SE 3/4-		ASPHALTIC										DRIVEWAY	126	LT		272+39 -	
DEMARKS		NCH		SHOULDERS	LOCATION	CTATION	TO	CTATION T	CATECORY					DRIVEWAY	381	LT		275+46 -	
REMARKS		TON 12.3		STA 20	LOCATION RT	STATION 120+62		STATION TO	CATEGORY 0080					DRIVEWAY	189	LT		295+73 -	
		.9.6		18	LT	119+91		101+04	0080					JOURDAIN RD	220	LT DT/LT	246.26	305+84 -	
		.2.7		12	RT	133+56		122+42	0080					PROJECT END	302	RT/LT	346+26	345+76 -	0010
		34.9		31	LT	153+13		122+44	0080						3,900	TOTAL			
		1.8		20	RT	153+31		134+17	0080										
		4.9		14	LT	168+66		155+59	0080										
		8.8		8	RT	163+50		155+78	0800										
		7.4		16	LT	186+26	-	170+95	0800					RT MARKER SUMMARY	CULVER				
		2.7	4	38	RT	211+24	-	173+67	0800				633.5200	204.0180					
		7.5	2	25	LT	211+13	-	186+94	0800			-	MARKERS CULVERT	REMOVING					
		.1.5	1	11	LT	223+67			0080				END	DELINEATORS AND MARKERS					
		0.8	1	4.0		220.07	-	213+56	0000				END	AND WARKERS					
			1	10	RT	223+12	-	213+64	0080			REMARKS	EACH		LOCATION	MOITATS	CATEGOR		
C-41-037		-		10 3	RT		-	213+64 223+79	0080 0080			REMARKS C-41-046	EACH 2	EACH			CATEGOF		
C-41-037 C-41-037		-			RT LT	223+12 225+90 226+17	- -	213+64 - 223+79 - 223+67	0080 0080 0080			C-41-046	2	EACH 2	RT/LT	121+66	0010		
		- - .0.2	1	3 3 5	RT LT RT	223+12 225+90 226+17 230+37	- - -	213+64 - 223+79 - 223+67 - 225+90 -	0080 0080 0080 0080			C-41-046 C-41-037		EACH	RT/LT RT/LT	121+66 225+03	0010 0010		
		- - .0.2 04.5	<u>1</u>	3 3 5 46	RT LT RT LT	223+12 225+90 226+17 230+37 272+11	-	213+64 - 223+79 - 223+67 - 225+90 - 226+17	0080 0080 0080 0080			C-41-046	2 2	EACH 2 2	RT/LT RT/LT	121+66	0010		
C-41-037		- - .0.2 04.5 33.8	1 10 8	3 3 5	RT LT RT LT RT	223+12 225+90 226+17 230+37 272+11 267+86	- - - -	213+64 - 223+79 - 223+67 - 225+90 - 226+17 - 231+00	0080 0080 0080 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2	RT/LT RT/LT RT/LT	121+66 225+03	0010 0010		
		- -0.2 04.5 33.8 48.7	1 10 8 4	3 3 5 46 37	RT LT RT LT RT RT	223+12 225+90 226+17 230+37 272+11 267+86 296+43	- - - - -	213+64 - 223+79 - 223+67 - 225+90 - 226+17 - 231+00 - 267+86	0080 0080 0080 0080 0080 0080 0010			C-41-046 C-41-037	2 2	EACH 2 2 2	RT/LT RT/LT RT/LT	121+66 225+03	0010 0010		
C-41-037		- - .0.2 04.5 33.8 48.7 (1 10 8 4	3 3 5 46 37 - 3	RT LT RT LT RT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66	- - - - - -	213+64 223+79 223+67 225+90 226+17 231+00 267+86 272+59	0080 0080 0080 0080 0080 0080 0010 0080			C-41-046 C-41-037	2 2	EACH 2 2 2	RT/LT RT/LT RT/LT	121+66 225+03	0010 0010		
C-41-037 ANE, NO SHOULDER WIDE	CLIMBING LANE	- .0.2 04.5 83.8 88.7 (44.7	1 10 8 4 4	3 3 5 46 37	RT LT RT LT RT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09	- - - - - - - -	213+64 223+79 223+67 225+90 226+17 231+00 267+86 272+59 278+15	0080 0080 0080 0080 0080 0010 0080			C-41-046 C-41-037	2 2	EACH 2 2 2	RT/LT RT/LT RT/LT	121+66 225+03	0010 0010		
C-41-037	CLIMBING LANE		1 10 8 4 4 2 3	3 3 5 46 37 - 3	RT LT RT LT RT LT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99	- - - - - - - - -	213+64 223+79 223+67 225+90 226+17 231+00 267+86 272+59 278+15 301+19	0080 0080 0080 0080 0080 0010 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2	RT/LT RT/LT RT/LT	121+66 225+03	0010 0010		
C-41-037 ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 2 3 4	3 3 5 46 37 - 3	RT LT RT LT RT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40	- - - - - - - - - -	213+64 223+79 223+67 225+90 226+17 231+00 267+86 272+59 278+15 301+19 301+82	0080 0080 0080 0080 0080 0010 0080 0010 0080			C-41-046 C-41-037	2 2	EACH 2 2 2 2 6	RT/LT RT/LT RT/LT TOTAL	121+66 225+03 298+30	0010 0010		
C-41-037 ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 4 3 3 4 8	3 3 5 46 37 - 3	RT LT RT LT RT LT RT LT RT LT LT LT LT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99	- - - - - - - - - -	213+64 223+79 223+67 225+90 226+17 231+00 267+86 272+59 278+15 301+19	0080 0080 0080 0080 0080 0010 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2 2 6	RT/LT RT/LT RT/LT TOTAL	121+66 225+03 298+30	0010 0010 0010		
C-41-037 ANE, NO SHOULDER WIDE	CLIMBING LANE	0.2 04.5 33.8 18.7 4.7 18.5 15.7 (8.1 4.6 6.4	1 10 8 4 2 3 4 8 1	3 3 5 46 37 - 3	RT LT RT LT RT LT RT LT LT LT LT LT LT LT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62	- - - - - - - - - -	213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL CULVERT PIPE SU 521.3136	121+66 225+03 298+30 CU	0010 0010 0010		
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 2 3 4 8 1 6	3 3 5 46 37 - 3	RT LT RT LT RT LT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL CULVERT PIPE SL 521.3136 CULVERT PIPE	121+66 225+03 298+30 CU 0100 DVING	0010 0010 0010 203 REM		
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 2 3 4 8 1 6	3 3 5 46 37 - 3 17 - 4 7 3	RT LT RT LT RT LT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61 346+26		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080 0080			C-41-046 C-41-037	2 2	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL 521.3136 CULVERT PIPE DRRUGATED STEE	121+66 225+03 298+30 CL 0100 OVING C L PIPE COR	0010 0010 0010 203 REM SMA		
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE	0.2 04.5 33.8 18.7 4.7 18.5 15.7 (6.4 19.9 (14.7	1 10 8 4 2 3 4 8 1 6 1 2	3 3 5 46 37 - 3 17 - 4 7 3	RT LT RT LT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61 346+26		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080 0080 0080			C-41-046 C-41-037 C-41-038	2 2	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL CULVERT PIPE SL 521.3136 CULVERT PIPE	121+66 225+03 298+30 CU 0100 DVING	203 REM SMA	N LOCATIO	RY STATIO
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE	0.0.2 04.5 03.8 18.7 4.7 18.5 15.7 05.7 06.4 19.9 07.4	1 10 8 4 4 3 4 8 1 6 1 2 1	3 3 5 46 37 - 3 17 - 4 7 3	RT LT RT RT LT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61 346+26		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080 0080 0010 0010	-	_L WINGWALL	C-41-046 C-41-037 C-41-038	2 2 2 2 6	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL 521.3136 CULVERT PIPE ORRUGATED STEE 36-INCH	121+66 225+03 298+30 0100 OVING C L PIPE COR	0010 0010 0010 203 REM SMA CUL		RY STATIO 121+6
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 2 3 4 8 1 6 1 2 1 1 1	3 3 5 46 37 - 3 17 - 4 7 3 - - - -	RT LT RT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61 346+26		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080 0080 0010 0010	-	_L WINGWALL	C-41-046 C-41-037 C-41-038	2 2 2 6	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL 521.3136 CULVERT PIPE DRRUGATED STEE 36-INCH EACH	121+66 225+03 298+30 0100 OVING (L PIPE COR /ERTS CH	203 REM SMA CUL		
C-41-037 ANE, NO SHOULDER WIDE ANE, NO SHOULDER WIDE	CLIMBING LANE		1 10 8 4 4 2 3 4 8 1 6 1 1 2 1 1 1 1 4 5	3 3 5 46 37 - 3 17 - 4 7 3 - -	RT LT RT RT LT	223+12 225+90 226+17 230+37 272+11 267+86 296+43 274+66 295+09 327+99 305+40 312+62 334+61 346+26 346+26		213+64	0080 0080 0080 0080 0080 0010 0080 0010 0080 0080 0080 0010 0010	-	_L WINGWALL	C-41-046 C-41-037 C-41-038	2 2 2 6	EACH 2 2 2 6	RT/LT RT/LT RT/LT TOTAL 521.3136 CULVERT PIPE SU SRUGATED STEE 36-INCH EACH 8	121+66 225+03 298+30 CL 0100 DVING L PIPE COR //ERTS CH	203 REM SMA CUL	6 RT	

PROJECT NO: 5130-05-63 FILE NAME: N:\PDS\...\030200_mq.pptx PLOT BY: A.R.H. PLOT NAME : PLOT SCALE: 1:1 PLOT DATE: June 14, 1911

MISCELLANEOUS QUANTITIES

COUNTY: MONROE

HWY: STH 131

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					<u>HMA SUN</u>	<u>MMARY</u>		
					455.0605	460.6224	465.0105	
						HMA PAVEMENT	ASPHALTIC	
					TACK COAT	4 MT 58-28 S	SURFACE	
TEGORY	STATION	TO	STATION	LOCATION	GAL	TON	TON	REMARKS
0010	100+09	-	154+08	LT/RT	1,299	2,078	-	
0800	100+09	-	154+08	LT/RT	252	403		
0010	154+86	-	169+40	LT/RT	429	578	-	
0800	154+86	-	169+40	LT/RT	68	109		
0010	170+03	-	211+99	LT/RT	1,190	1,590	-	
0800	170+03	-	211+99	LT/RT	196	313		
0010	212+78	-	274+09	LT/RT	1,773	2,378	-	
0800	212+78	-	274+09	LT/RT	286	458		
0010	274+09	-	346+26	LT/RT	2,624	3,660	-	
0800	274+09	-	346+26	LT/RT	337	539		
0800	100+45	-	274+09	LT/RT	-	-	1,820	SHOULDER WIDENING LOWER LIFT
0010	101+41			LT	8	13	-	LINCOLN AVE
0010	120+28			LT	9	15	-	LION AVE
0010	133+86			RT	8	14	-	KILLDEER AVE
0010	186+60			LT	9	15	-	KIEV AVE

13

13

15

43

7,433

1,139

8,572

22

21

25

10,410

1,820

12,230

70

1,820 1,890

MISCELLANEOUS QUANTITIES

KILN AVE

JUNEAU RD

JOURDAIN RD

DISTRESSED PAVEMENT AREAS

RT

RT

LT

LT/RT

TOTAL

CATEGORY 0010 SUBTOTAL

CATEGORY 0080 SUBTOTAL

ASPHALT ACCEPTANCE TABLE											
LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE			
12' DRIVING LANE	100+06 TO 154+15 154+94 TO 169+43 170+05 TO 212+02 212+80 TO 346+29	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	7,332	2"		INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005/PWL TEST STRIP DENSITY 460.0110.S			
EXISTING 3' OF PAVED SHOULDER / SIDE ROADS	100+06 TO 154+15 154+94 TO 169+43 170+05 TO 212+02 212+80 TO 346+29	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	1,865	2"		ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE			
WIDENED 3' OF PAVED SHOULDER	100+06 TO 154+15 154+94 TO 169+43 170+05 TO 212+02 212+80 TO 346+29	UPPER LAYER	ASPHALTIC SURFACE	4 MT 58-28 S	1,820	2"		ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE			
WIDENED 3' OF PAVED SHOULDER	100+06 TO 154+15 154+94 TO 169+43 170+05 TO 212+02 212+80 TO 346+29	LOWER LAYER	BASE AGGREGATE	ASPHALTIC SURFACE	1,820	2"	QMP PER SS 465	ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE			
VARIOUS	100+06 TO 154+15 154+94 TO 169+43 170+05 TO 212+02 212+80 TO 346+29	DISTRESSED PAVEMENT PATCHES	BASE AGGREGATE	ASPHALTIC SURFACE	70	2"	IOMP PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION PER 460.3.3			
12' CLIMBING LANE	274+00 TO 346+29 RT	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	1,080	2"		INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005/PWL TEST STRIP DENSITY 460.0110.S			
12' CLIMBING LANE	334+61 TO 346+29 LT	UPPER LAYER	MILLED EXISTING HMA SURFACE	4 MT 58-28 S	94	2"		ACCEPTANCE TESTING BY THE DEPARTMENT, NOT ELIGIBLE FOR INCENTIVE			

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

COUNTY: MONROE

0010

0010

0010

0010

HWY: STH 131

PROJECT NO: 5130-05-63

223+49

230+69

305+84

100+45 - 274+09

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CATEGORY	' STATIO	n locatii	465.0120 ASPHALTI SURFACE DRIVEWAY AND FIELD ENTRANCE ON TON	C <u>:</u> /S O	REMARKS		_CATEGO	ry station	i to station	LOCATIO	AS INTI RUM	.65.0450 SPHALTIC ERSECTION MBLE STRIPS SY I	REMARKS_	CATEGORY	STATION	TO STA	ATION LO	OCATION	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF	
0010	171+2		8				0010	103+87	- 104+12	LT		25		0010	103+45	- 11	8+28	CL	1,483	
0010	272+3		15		5 5	T	0010	106+17				25		0010	122+28		1+86	CL	958	
0010 0010	275+5 295+6		43	ABANDON	EXISTING RIGHT-	-TURN LANE	0010	109+67	- 109+92	LT		25		0010	135+86		3+83	CL	1,797	
0010	293+0	TOTA	<u>22</u> 88							TOTAL	-	75		0010	155+11		7+40	CL	1,229	
		IOIA	_ 00											0010 0010	171+44 188+60		4+60 1+73	CL CL	1,316 2,313	
														0010	213+02		1+49	CL	847	
														0010	225+49		8+69	CL	320	
			BEAM (GUARD SUMMAF	RY									0010	232+69		4+73	CL	3,204	
				614.0400	614.0950	SPV.0090.	03							0010	266+73		3+84	CL	3,711	
					REPLACING									0010	307+84	- 34	5+12	CL	3,728	
				ADJUSTING	GUARDRAI	,												TOTAL	9,096	
				STEEL PLATE																
				BEAM GUARI		BEAMGUAI	•													
		TO STATION		LF 125	EACH	LF 100	REMARKS	_												
0010	120.01	- 122+41		125	2	180	C-41-046							624.0100						
0010 0010	150.00	- 122+45 - 154+15		50 75	4	179 100	C-41-046 B-41-136							WATER						
0010		- 155+56		50	_	62	B-41-136		_ <u>C</u> .	ATEGORY	STATION	TO STATION	I LOCATION	N MGAL		REMAR	RKS			
0010	450.05	- 154+15		75	2	80	B-41-136			0010	101+04	- 334+61	UNDISTRIBU		FOR BASE A	AGGREGAT	E DENSE 3/4	4-INCH		
0010	154+94	- 155+76		75	2	82	B-41-136	_		0800	101+04	- 334+61	UNDISTRIBU	TED 8	FOR BASE A	AGGREGAT	E DENSE 3/4	4-INCH		
0010	168+50	- 169+43		75	2	93	B-41-021						TOTAL	14						
0010	170+05	- 170+80	RT	75	2	75	B-41-021													
0010	168+64	- 169+43	LT	75	2	79	B-41-021													
0010	170.03	- 170+94		75	2	89	B-41-021	_												
0010	211+12	- 212+02		-	-	90	B-41-137													
0010	212+80	- 213+54		50	-	74	B-41-137							EROSION CONTI	ROL MOBILIZ	ΔΤΙΩΝΙ SLIN	ΛΙΛΙΔΕΥ			
0010		- 212+02		50	-	78	B-41-137							<u>EROSION CONTI</u>	628.190		628.1910	ı		
0010 0010	222.00	- 213+65 - 225+59		75 125	2 13	85 142	B-41-137 C-41-037										OBILIZATIO			
0010	224+17	- 225+72		150	4	143	C-41-037	_							MOBILIZATI		EMERGENC'			
0010	296+40	- 301+75		500	36	535	C-41-038								EROSION	N	EROSION			
0010		- 301+19		475	4	476	C-41-038								CONTRO	L	CONTROL			
0010		- 331+73		475	4	1,902							CATEGORY		EACH		EACH	REMA	RKS	
0010	327+99	- 331+80	RT	25	2	381		_					0010	PROJECT 5130-05-63	5		3			
0010	100+06	- 346+26	UNDISTRIBUTE		9	-								TOTAL	5		3			
			TOTAL	2,725	94	4,925														
									EROSION CO	ONTROL SUM	<u>1Mary</u>									
					625.0500	628.1504		628.2008 EROSION MAT	629.0210		0.0120	630.0200	630.0500							
					SALVAGED			JRBAN CLASS I			DING	SEEDING								
					TOPSOIL	SILT FENCE N		TYPE B	В			TEMPORARY	SEED WATER							
		CATEGORY	STATION	LOCATION	SY	LF	LF	SY	CWT		LB	LB	MGAL	6.44.00.46.14.11.16.11.11		REMARKS	INCLUSES	250/1125/57	NIDIJITED.	
		0010	121+66	LT/RT	195	200	200	195	0.1		5	5	4	C-41-0046 WINGWAL						
		0010	225+03 298+30	LT/RT LT/RT	153 153	200	200	153 153	0.1		4	4 4	3 3	C-41-0037 WINGWAL						
		0010	Z30+3U	TOTAL	500	200 600	200 600	153 500	0.1		13	13	10	C-41-0038 WINGWAL	L NETLACEIVII	LINI UINLY,	INCLUDES 2	ZJ /0 UNUISII	אוטטובט	
				ILLIAI	200	OUU	11111	100												

MISCELLANEOUS QUANTITIES

COUNTY: MONROE

HWY: STH 131

PROJECT NO: 5130-05-63

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TRAFFIC CONTROL SUMMARY

															
				643.0300			643.0420			643.0715			643.0900	643.5000	
				TRAFFIC			TRAFFIC CONTROL			TRAFFIC CONTROL			TRAFFIC		
				CONTROL			BARRICADES TYPE			WARNING LIGHTS			CONTROL	TRAFFIC	
				DRUMS			III			TYPE C			SIGNS	CONTROL	
CATEGORY	LOCATION	EACH	DAYS	DAY	EACH	DAYS	DAY	EACH	DAYS	DAY	EACH	DAYS	DAY	EACH	REMARKS
0010	C-41-46	10	30	300	-	-	-	-	-	-	5	30	150	-	SHOULDER CLOSURE
0010	C-41-37	10	30	300	-	-	-	-	-	-	5	30	150	-	SHOULDER CLOSURE
0010	C-41-38	10	30	300	-	-	-	-	-	-	5	30	150	-	SHOULDER CLOSURE
0010	B-41-136	36	10	360	1	10	10	8	10	80	16	10	160	-	TEMPORARY TRAFFIC SIGNALS
0010	B-41-021	35	10	350	1	10	10	8	10	80	16	10	160	-	TEMPORARY TRAFFIC SIGNALS
0010	B-41-137	36	10	360	1	10	10	8	10	80	16	10	160	-	TEMPORARY TRAFFIC SIGNALS
0010	ROADWAY	-		-	-		-	-		-	-	-	200	1	CONSTRUCTION OPERATIONS
0010	ROADWAY	-			-			-		-	25	70	1,750		ADVANCED WARNING
TOTAL				1,970			30		•	240			2,880	1	

643.1050
TRAFFIC
CONTROL
SIGNS PCMS
DAY
REMARKS

 CATEGORY
 LOCATION
 DAY
 REMARKS

 0010
 BEGIN OF PROJECT
 7

 0010
 END OF PROJECT
 7

 TOTAL
 14

LOCATION / STAGE PAVEMENT MARKING TYPE

CENTERLINE, ON MILLED SURFACES (ROADWAY)
CENTERLINE, ON MILLED SURFACES (BRIDGES)
EDGELINE, ON MILLED SURFACES (ROADWAY)
EDGELINE, ON MILLED SURFACES (ROADWAY)
EDGELINE, ON MILLED SURFACES (BRIDGES)
CENTERLINE, NB PASS (ROADWAY)
CENTERLINE, NB PASS (BRIDGES)
EDGELINE, NB PASS (ROADWAY)
EDGELINE, NB PASS (ROADWAY)
EDGELINE, NB PASS (ROADWAY)
EDGELINE, NB PASS (BRIDGES)
CLIMBING LANE SKIPS, NB PASS
CENTERLINE, SB PASS (ROADWAY)
CENTERLINE, SB PASS (BRIDGES)
EDGELINE, SB PASS (BRIDGES)
MARKING LINE WET REF GROOVED EPOXY 4-INCH, WHITE
EDGELINE, SB PASS (BRIDGES)
MARKING LINE WET REF GROOVED EPOXY 4-INCH, WHITE
EDGELINE, SB PASS (BRIDGES)
MARKING LINE WET REF GROOVED EPOXY 4-INCH, WHITE

CLIMBING LANE SKIPS, SB PASS MARKING LINE WET REF GROOVED EPOXY 4-INCH, WHITE

CENTERLINE, AFTER RUMBLE STRIPS (ROADWAY AND BRIDGES) MARKING LINE EPOXY 4-INCH, YELLOW

PROJECT NO: 5130-05-63 HWY: STH 131 COUNTY: MONROE MISCELLANEOUS QUANTITIES SHEET: **E**

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							PAVEMENT MA	RKING SUMMARY						
				643.3105	643.3150	643.3850	646.1020	646.1020	646.1040	646.3020	646.4520	646.6120	646.9000	
				TEMPORARY	TEMPORARY	TEMPORARY			MARKING LINE					
				MARKING LINE	MARKING LINE	MARKING LINE	MARKING LINE	MARKING LINE	GROOVED WET	MARKING LINE	MARKING LINE	MARKING STOP LINE	MARKING	
				PAINT	REMOVABLE TAPE	REMOVABLE TAPE	EPOXY	EPOXY	REF EPOXY	EPOXY	SAME DAY EPOXY	EPOXY	REMOVAL LINE	
				4-INCH, YELLOW	4-INCH, YELLOW	18-INCH, WHITE	4-INCH, WHITE	4-INCH, YELLOW	4-INCH, WHITE	8-INCH, WHITE	4-INCH, YELLOW	18-INCH, WHITE	4-INCH	
CATEGORY	STATION TO STATION	LOCATION	STYLE	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	REMARKS
0010	100+45 - 100+86	CL		-	-	-	-	=	-	192	-	30	-	RIGHT TURN ISLAND AT STH 71
0010	100+06 - 114+60	CL	DOUBLE YELLOW	2,908	-	-	-	2,908	-	-	2,908	-	-	
0010	100+42 - 133+45	RT	EDGELINE	-	-	-	-	-	3,303	-	-	-	-	
0010	100+62 - 101+11	LT	EDGELINE	-	-	-	-	-	49	-	-	-	-	
0010	101+82 - 119+82	LT	EDGELINE	-	-	-	-	-	1,800	-	-	-	-	
0010	114+60 - 124+68	CL	SOLID-SKIP	1,260	-	-	-	1,260	-	-	1,260	-	-	
0010	120+63 - 154+03	LT	EDGELINE	-	-	-	-	-	3,340	-	-	-	-	
0010	154+03 - 154+81	LT	EDGELINE	-	-	-	78	-	-	-	-	-	-	B-41-136
0010	154+81 - 169+44	LT	EDGELINE	-	-	-	-	-	1,463	-	-	-	-	
0010	169+44 - 170+07	LT	EDGELINE	-	-	-	63	-		-	-	-	-	B-41-021
0010	170+07 - 186+14	LT	EDGELINE	-	-	-	-	-	1,607	-	-	-	-	
0010	124+98 - 154+08	CL	SKIPS	233	-	-	-	728	-	-	728	-	-	
0010	154+08 154+86	CL	SKIPS	-	-	-	-	20	-	-	-	-	-	B-41-136
0010	154+86 - 169+40	CL	SKIPS	116	-	-	-	364	-	-	364	-	-	D 44 024
0010	169+40 170+03	CL	SKIPS	- 427	-	-	-	16	-	-	- 206	-	-	B-41-021
0010	170+03 - 185+88	CL	SKIPS	127	-	-	-	396	- 4.007	-	396	-	-	
0010	134+27 - 154+14	RT	EDGELINE	-	-	-	-	-	1,987	-	-	-	-	D 44 426
0010	154+14 - 154+92	RT	EDGELINE	-	-	-	78	-	- 1 4 4 4	-	-	-	-	B-41-136
0010	154+92 - 169+36	RT	EDGELINE	-	-	-	-	-	1,444	-	-	-	-	D 41 021
0010	169+36 - 169+99	RT	EDGELINE	-	-	-	63	-	4 202	-	-	-	-	B-41-021
0010	169+99 - 212+02	RT	EDGELINE	-	-	-	70	-	4,203	-	-	-	-	D 41 127
0010 0010	212+02 - 212+81 212+81 - 223+00	RT	EDGELINE	-	-	-	79	-	1 010	-	-	-	-	B-41-137
		RT	EDGELINE	1 200	-	-	-	1 200	1,019	-	1 200	-	-	
0010 0010	185+88 - 196+28 186+93 - 211+96	CL LT	SOLID-SKIP EDGELINE	1,300	-	-	-	1,300	2,503	-	1,300	-	_	
0010	211+96 - 212+75	LT	EDGELINE	-	-	_	79	-	2,303	<u> </u>	_			B-41-137
0010	212+75 - 295+18	LT	EDGELINE	_		_	-	_	8,243		_	_	_	D-41-137
0010	196+28 - 196+96	CL	DOUBLE YELLOW	136	_	_	_	136	-	_	136	_	_	
0010	196+96 - 208+22	CL	SOLID-SKIP	1,408	_	_	_	1,408	_	_	1,408	_	_	
0010	208+22 - 211+99	CL	SKIPS	30	_	_	_	94	_	_	94	_	_	
0010	211+99 - 212+78	CL	SKIPS	-	-	_	_	20	_	_	-	-	_	B-41-137
0010	212+78 - 230+63	CL	SKIPS	143	_	_	_	446	_	_	446	_	_	5 .1 10,
0010	223+96 - 230+27	RT	EDGELINE	-	_	_	_	-	631	_	-	-	_	
0010	230+63 - 261+03	CL	SOLID-SKIP	3,800	_	_	_	3,800	-	_	3,800	_	_	
0010	231+12 - 346+26	RT	EDGELINE		_	_	_	-	11,514	_	-	_	_	
0010	261+03 - 282+90	CL	DOUBLE YELLOW	4,374	-	-	-	4,374	-	-	4,374	-	-	
0010	282+90 - 296+25	CL	SOLID-SKIP	1,669	-	_	-	1,669	-	-	1,669	-	-	
0010	296+25 - 346+26	CL	DOUBLE YELLOW	10,002	-	-	-	10,002	-	-	10,002	-	-	
0010	267+85 - 274+09	RT	SHORTSKIPS	-	-	-	-	-	156	-	-	=	_	
0010	274+09 - 346+26	RT	SKIPS	-	-	-	-	-	1,804	-	-	-	-	
0010	296+02 - 305+08	LT	EDGELINE	-	-	-	-	-	906	-	-	-	-	
0010	306+15 - 346+26	LT	EDGELINE	-	-	-	-	-	4,011	-	-	-	-	
0010	342+26 - 346+26	LT	SKIPS	-	-	-	-	-	100	-	-	-	-	
0010	B-41-136	CL	SKIPS	75	3,179	24	-	-	-	-	-	-	75	FOR TEMPORARY TRAFFIC SIGNALS
0010	B-41-021	CL	SKIPS	75	3,162	24	-		-	-	-	-	75	FOR TEMPORARY TRAFFIC SIGNALS
0010	B-41-137	CL	SKIPS	75	3,178	24	-	-	-	-	-	-	75	FOR TEMPORARY TRAFFIC SIGNALS
		SUBTOTAL		27,730	9,519	72	440	28,939	50,083	192	28,884	30	225	
		ITEM TOTAL		27,730	9,519	72	29	.379	50,083	192	28,884	30	225	

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

MISCELLANEOUS QUANTITIES

COUNTY: MONROE

HWY: STH 131

PROJECT NO: 5130-05-63

650.8000 CONSTRUCTION

STAKING RESURFACING

650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (5130-05-63)

REMARKS

REFERENCE LOCATION LF REMARKS 5,409 MAINLINE LT/RT 1,449 MAINLINE LT/RT 4,197 MAINLINE

MAINLINE

13,349

24,404

STATION TO STATION LOCATION EACH REMARKS CATEGORY 100+06 - 346+29 PROJECT 5130-05-63 TOTAL 0010

TEMPORARY TRAFFIC SIGNALS FOR BRIDGES 661.0101.01 661.0101.02 661.0101.03 **TEMPORARY** TEMPORARY **TEMPORARY** TRAFFIC SIGNALS TRAFFIC SIGNALS TRAFFIC SIGNALS FOR BRIDGES FOR BRIDGES FOR BRIDGES (STRUCTURE) (STRUCTURE) (STRUCTURE) 01. B-41-136 02. B-41-021 03. B-41-137 EACH EACH EACH CATEGORY LOCATION 0010 LT/RT TRAILER MOUNTED TRAFFIC SIGNALS WITH BARRELS TOTAL

CLEANING BOX CULVERT SUMMARY SPV.0060.02 SPV.0060.03 SPV.0060.04 SPECIAL SPECIAL SPECIAL (CLEANING (CLEANING (CLEANING BOX CULVERTS BOX CULVERTS **BOX CULVERTS** C-41-046) C-41-037) C-41-038) EACH CATEGORY LOCATION EACH EACH REMARKS LT/RT CLEANING DEBRIS AND SEDIMENT 0010 TOTAL

STATION TO STATION

- 169+43

- 346+29

212+02

LT/RT

TOTAL

100+06

154+94

170+05

212+80

CATEGORY

0010

0010

0010

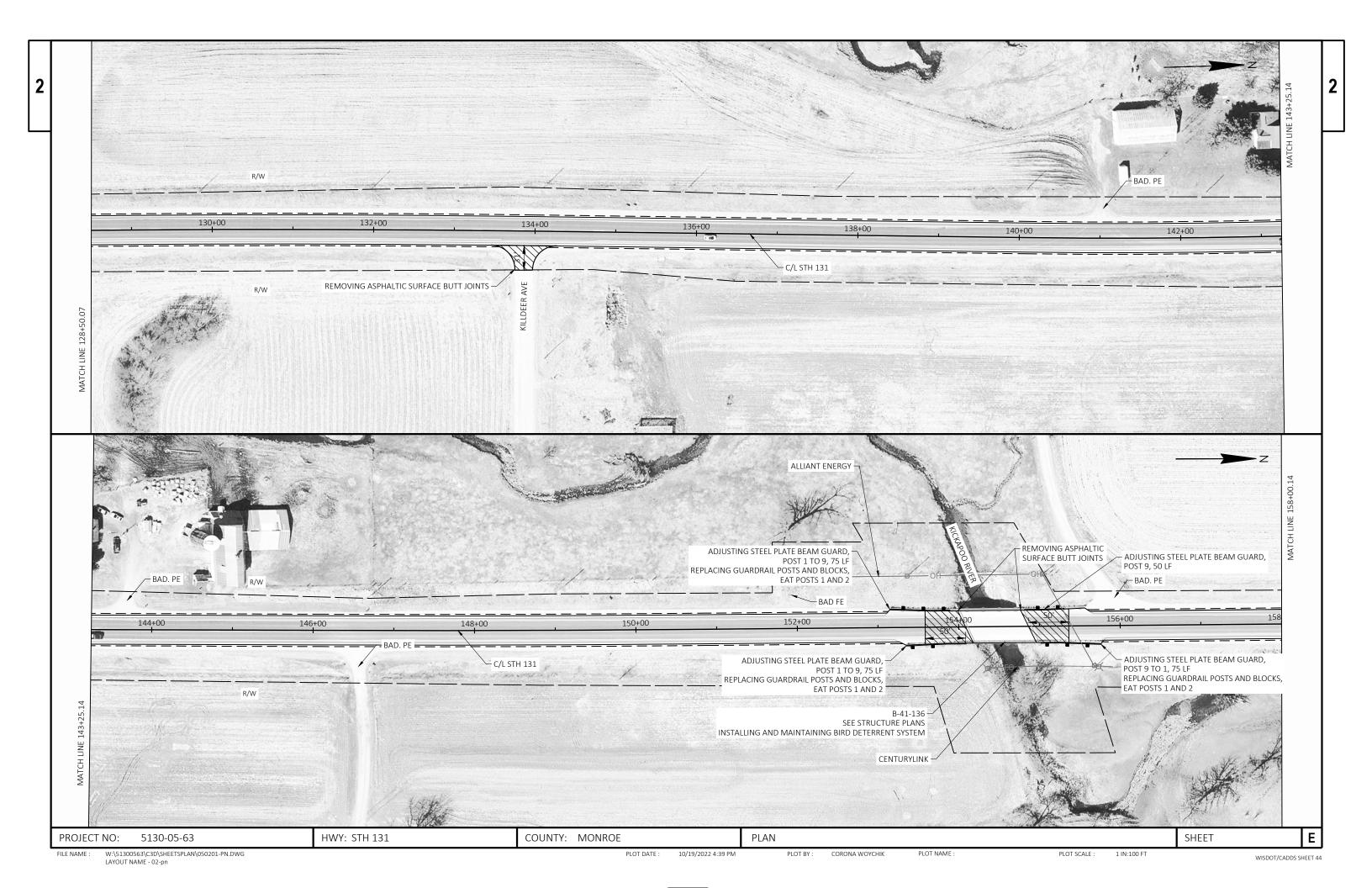
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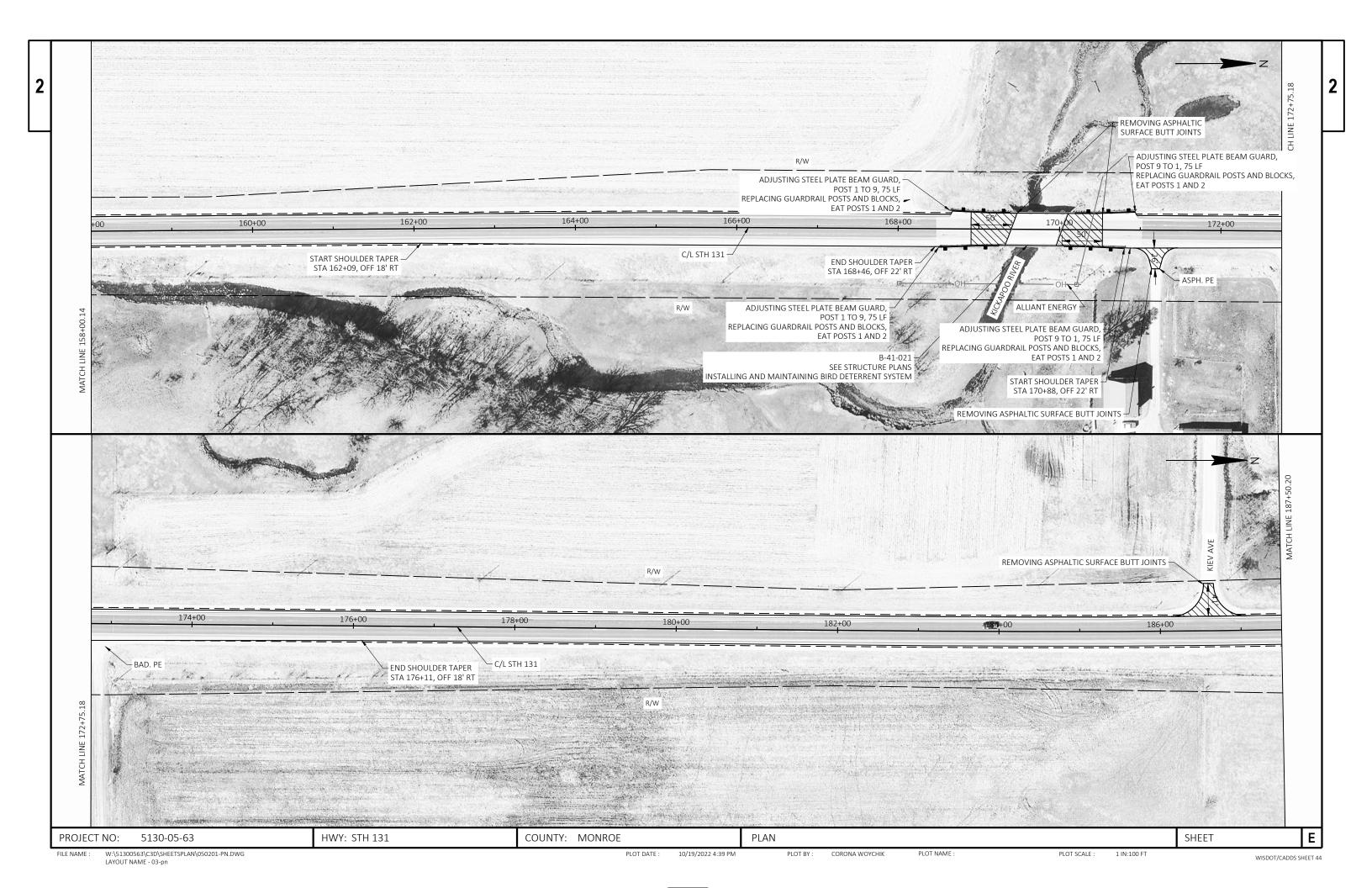
INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM 999.2000.S.01 999.2000.S.02 999.2000.S.03 999.2000.S.04 999.2000.S.05 999.2000.S.06 INSTALLING AND INSTALLING AND INSTALLING AND INSTALLING AND **INSTALLING AND** INSTALLING AND MAINTAINING BIRD MAINTAINING BIRD MAINTAINING BIRD MAINTAINING BIRD MAINTAINING BIRD MAINTAINING BIRD DETERRENT SYSTEM DETERRENT SYSTEM DETERRENT SYSTEM DETERRENT SYSTEM DETERRENT SYSTEM DETERRENT SYSTEM STATION 121+66 STATION 154+54 STATION 170+36 STATION 212+41 STATION 225+03 STATION 298+30 CATEGORY LOCATION EACH EACH EACH EACH EACH EACH REMARKS C-41-046 0010 1 0010 B-41-136 0010 B-41-021 0010 B-41-137 1 0010 C-41-037 0010 C-41-038 TOTAL

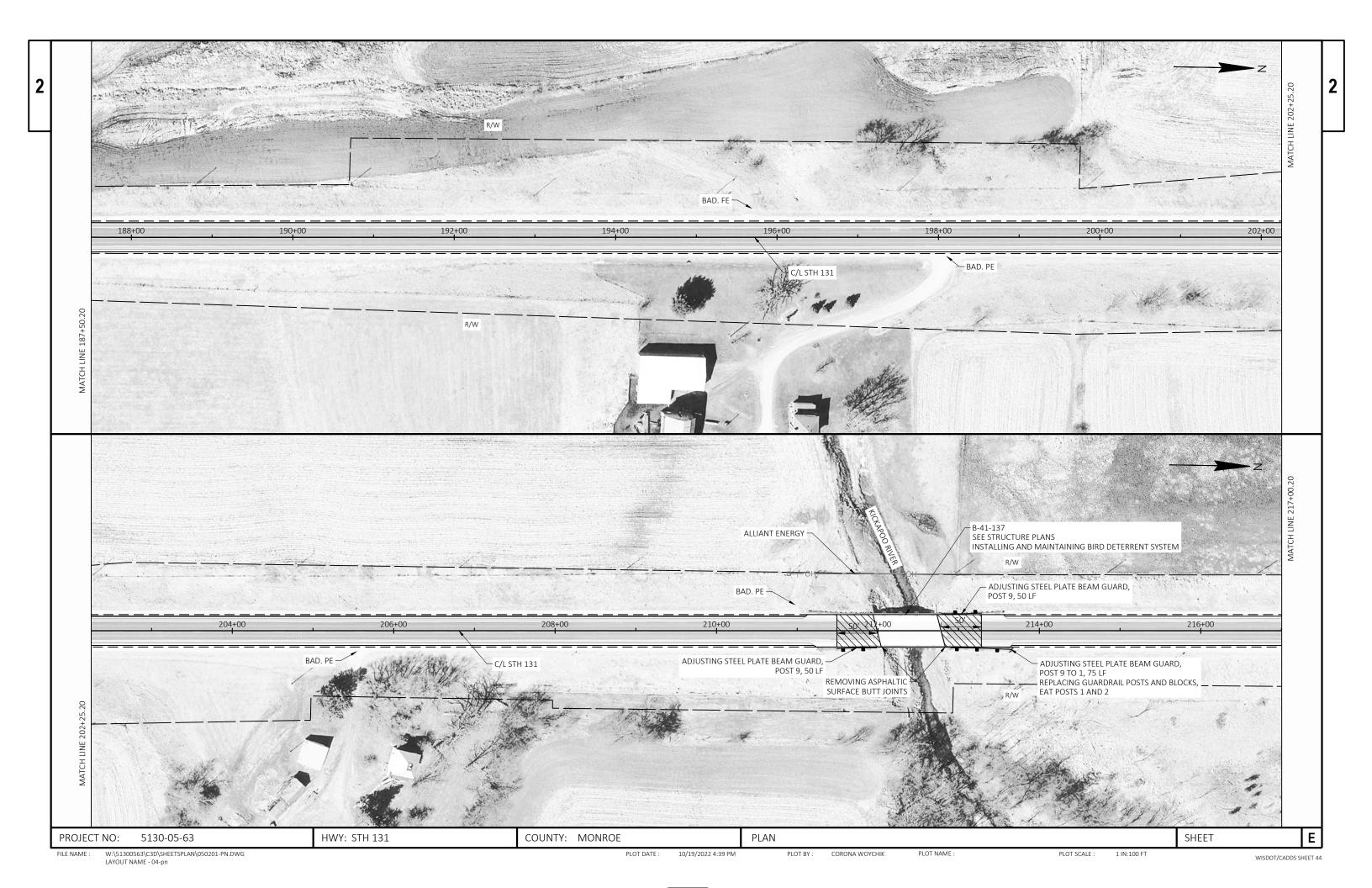
Ε PROJECT NO: 5130-05-63 **HWY: STH 131** COUNTY: MONROE MISCELLANEOUS QUANTITIES SHEET:

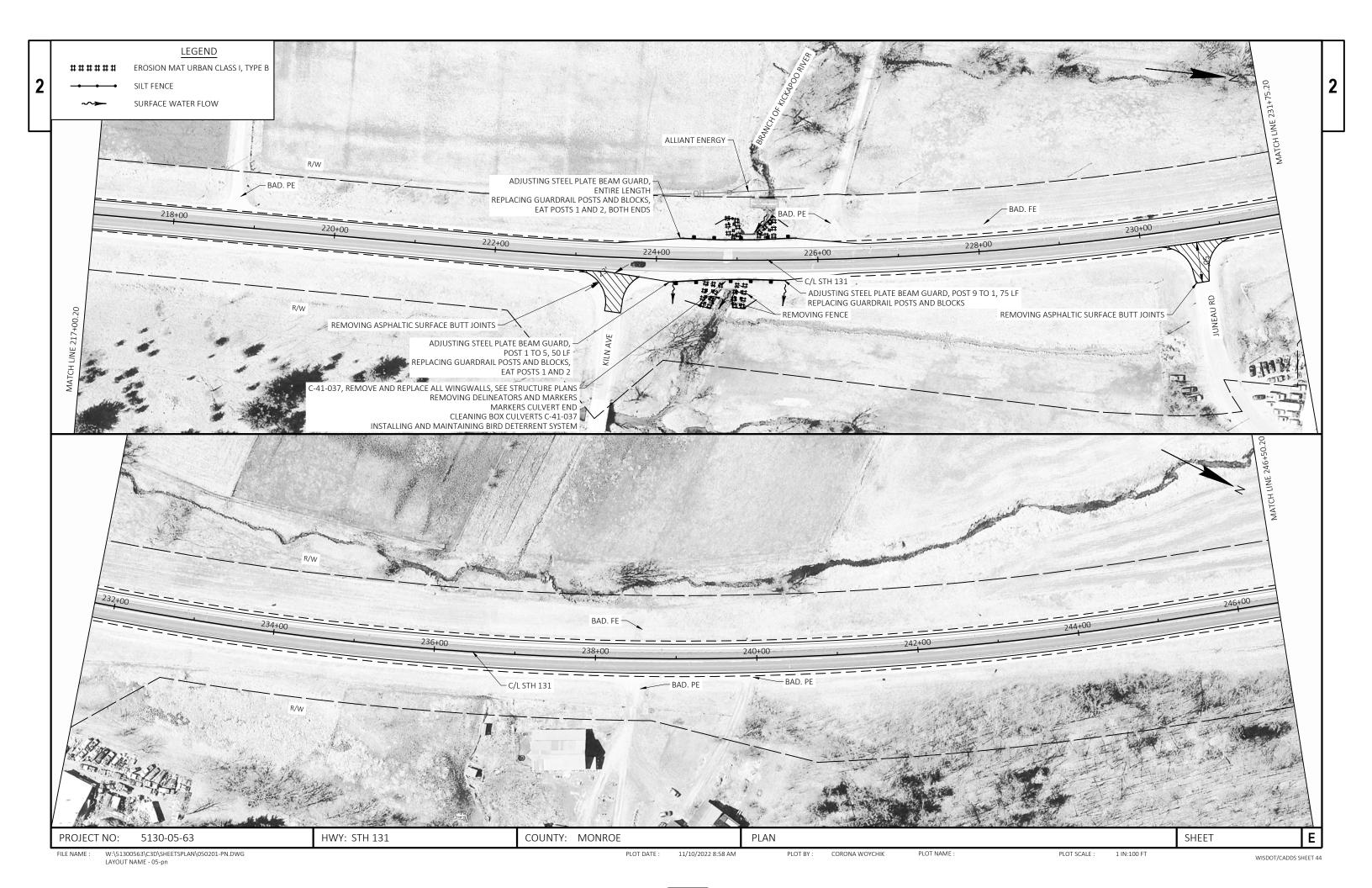


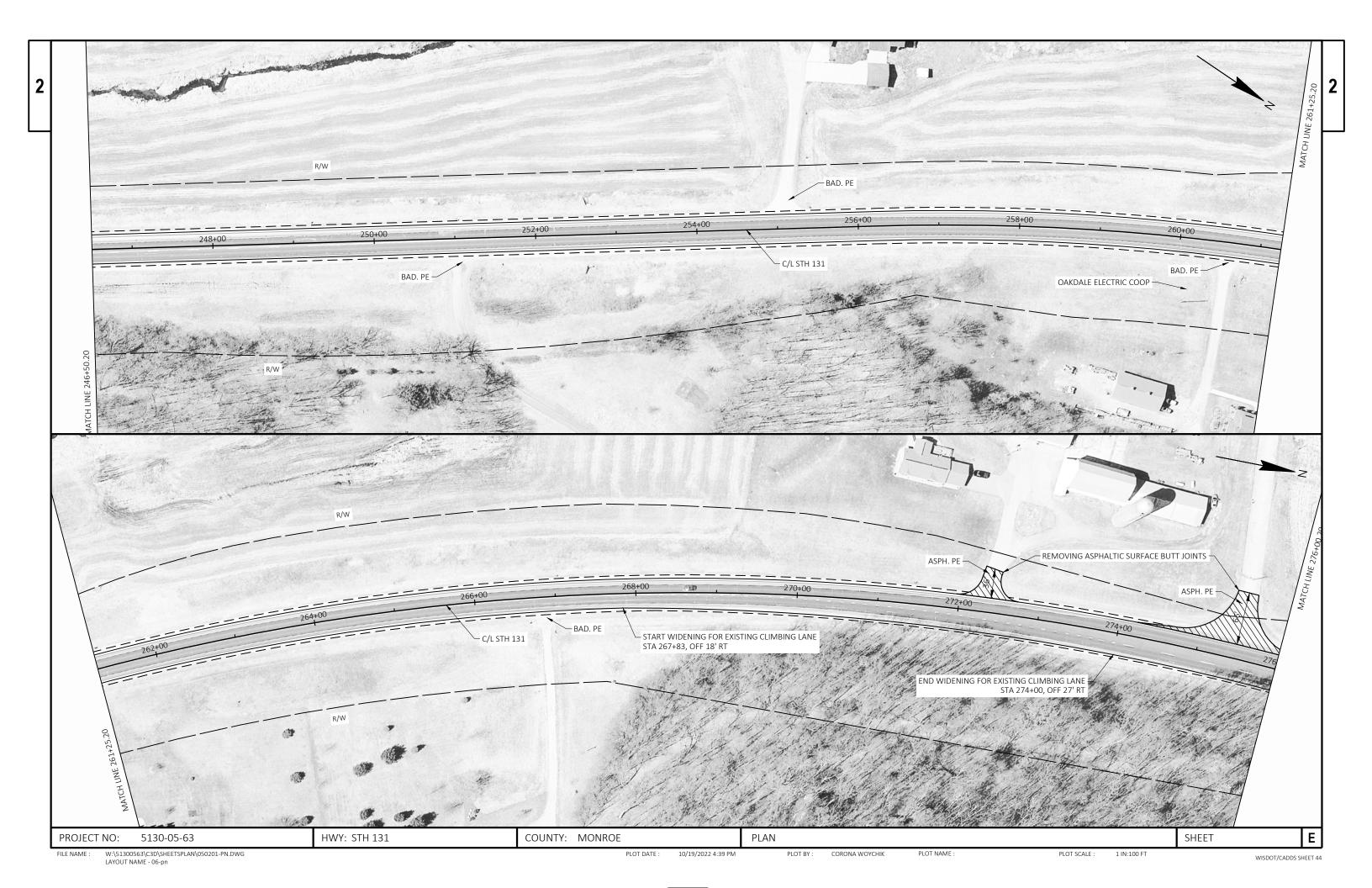
LAYOUT NAME - 01-pn

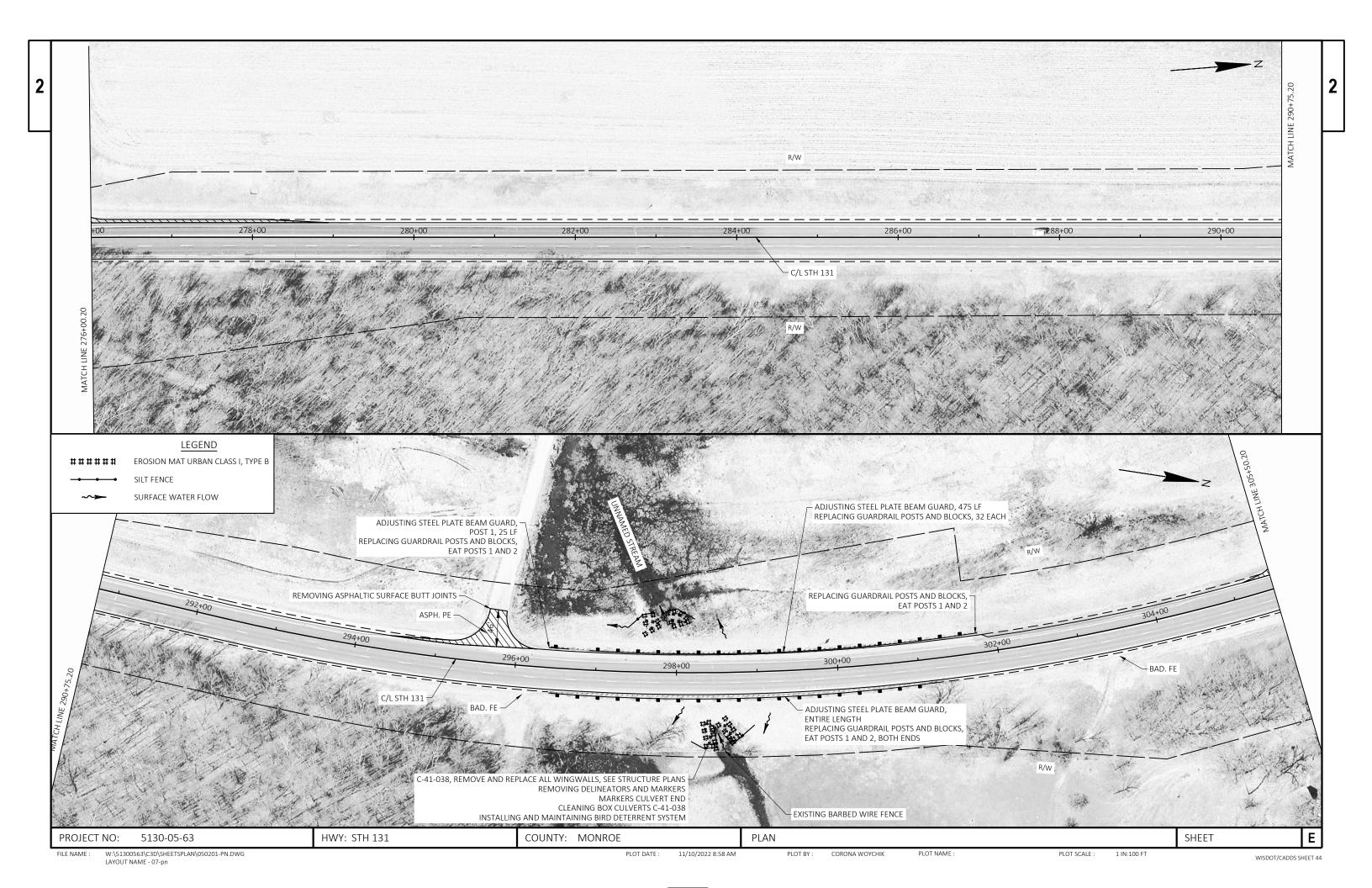


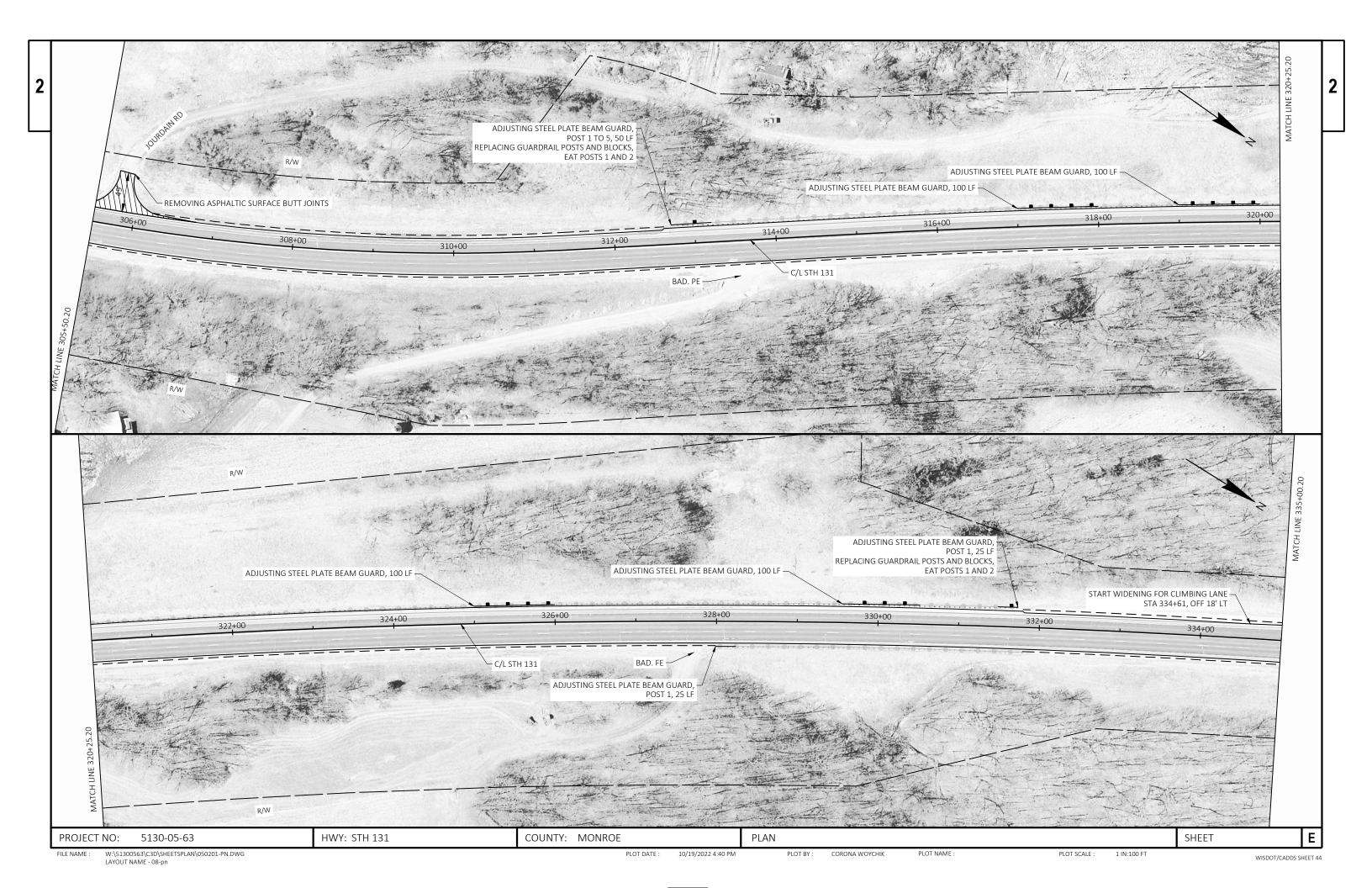


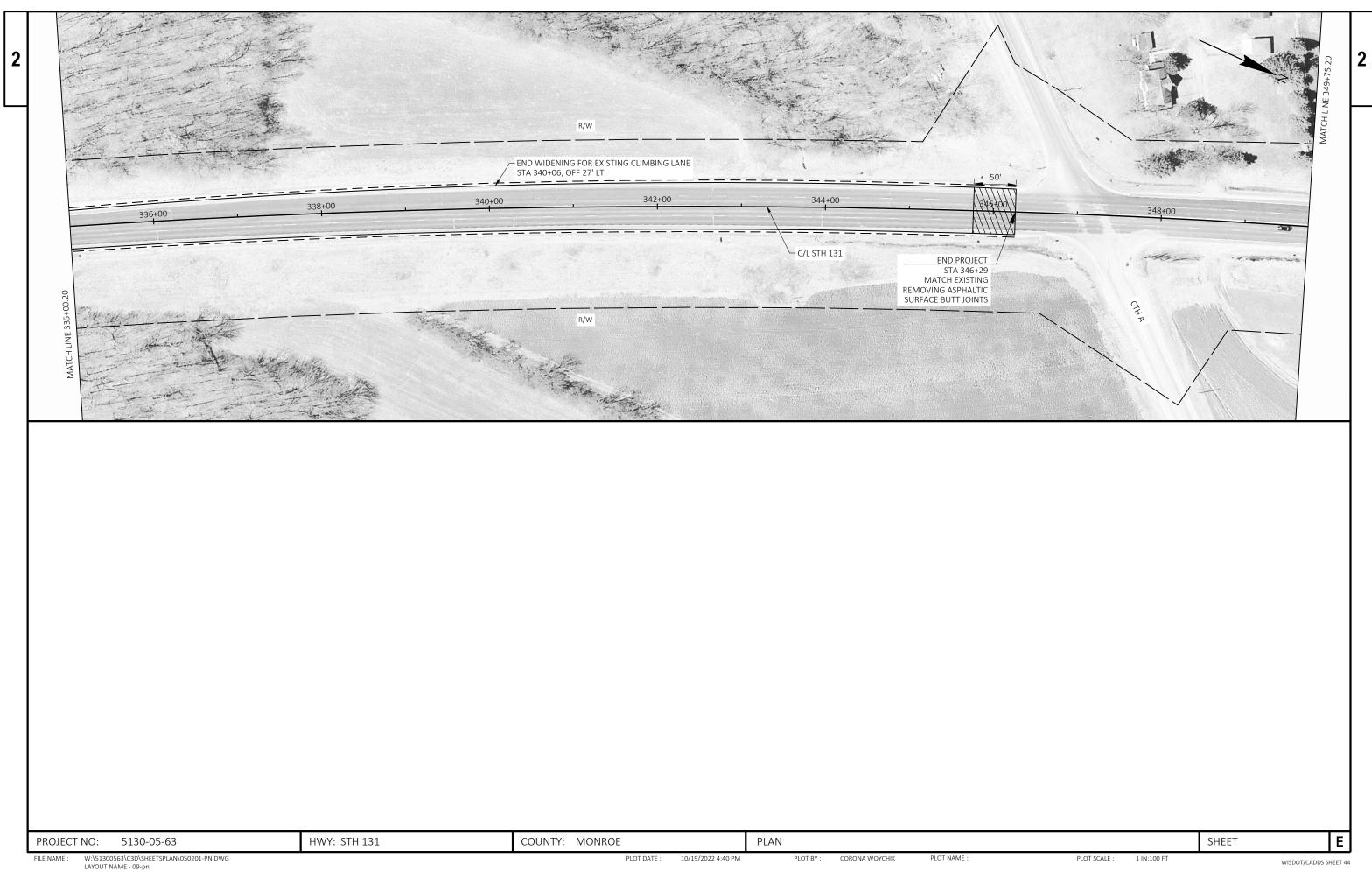












Standard Detail Drawing List

08E09-06	SILT FENCE
09G02-05A	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05B	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
09G02-05C	BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION
12A03-10	NAME PLATE (STRUCTURES)
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-22A	LONGI TUDI NAL MARKI NG (MAI NLI NE)
15C08-22B	TEMPORARY LONGITUDI NAL PAVEMENT MARKI NG
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-06C 15C19-07A	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-07A 15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15C35-05A	PAVEMENT MARKING (THIERSECTIONS) PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-05B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D28-04 15D33-07	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D33-07 15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY
13031 01	TRAILITO CONTROL, MODICE OF ENTITIONS ON AN ONDIVIDED ROADWAY

TYPICAL APPLICATION OF SILT FENCE

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PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- \bigcirc HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

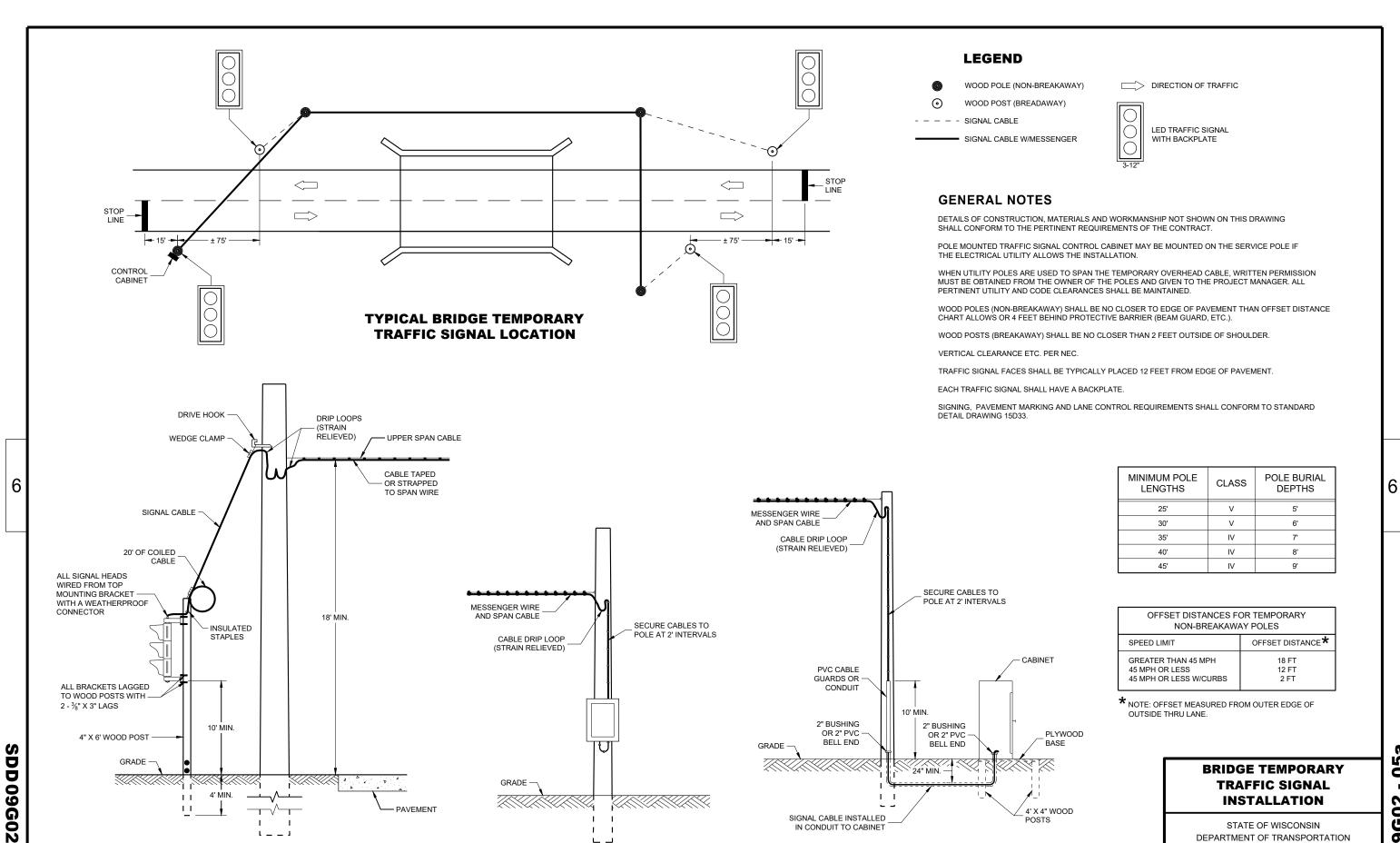
(WHEN REQUIRED BY THE ENGINEER)



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D.D. 8 E 9-6



POLE MOUNT

CABINET INSTALLATION

GRADE

- PAVEMENT

24" MIN.

GROUND MOUNT

CABINET INSTALLATION

SIGNAL CABLE INSTALLED IN CONDUIT TO CABINET

4' X 4" WOOD

GRADE

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4' MIN.

TYPICAL DROP TO

TRAFFIC SIGNAL FACE

BRIDGE TEMPORARY TRAFFIC SIGNAL **INSTALLATION** STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

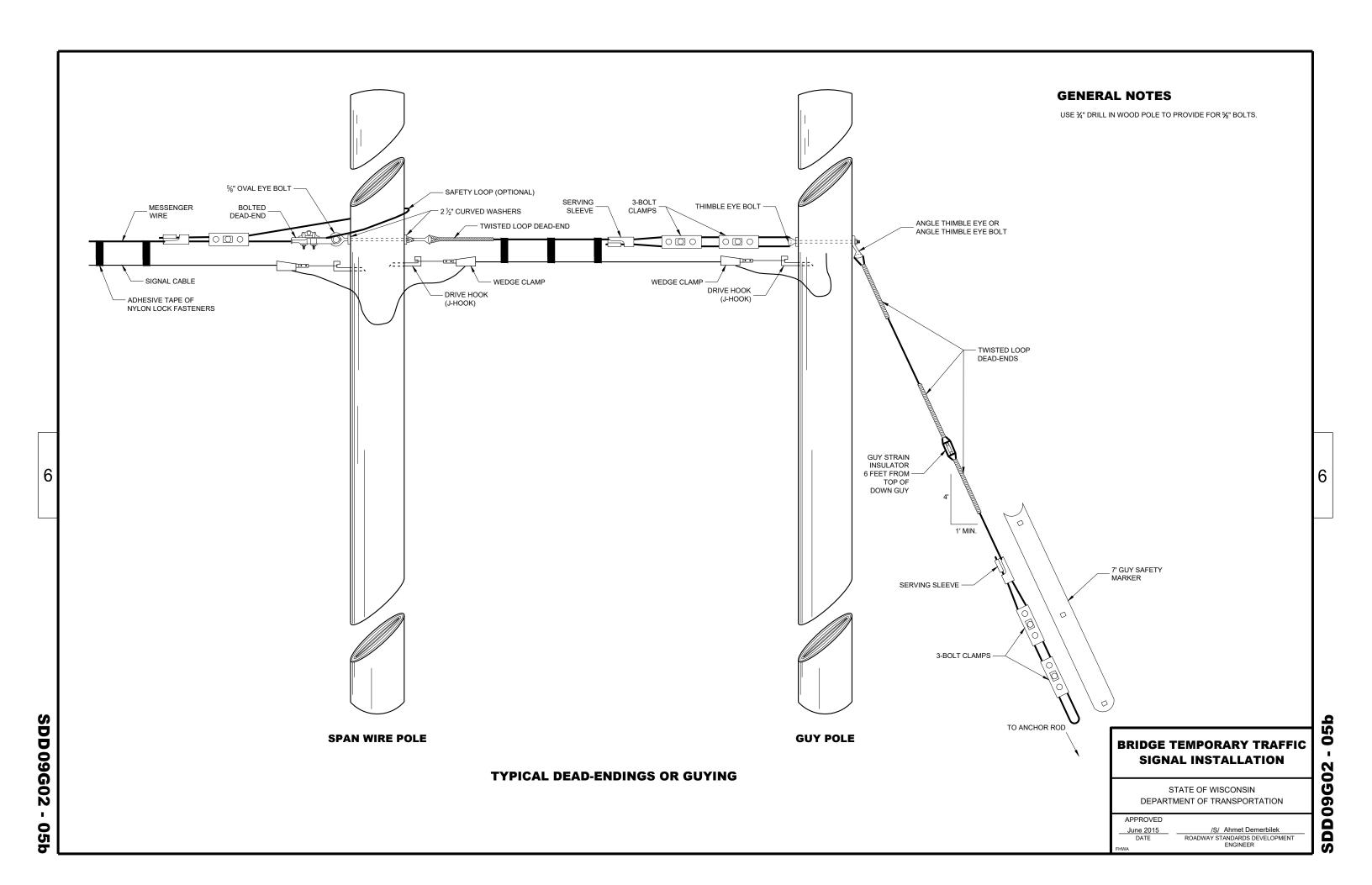
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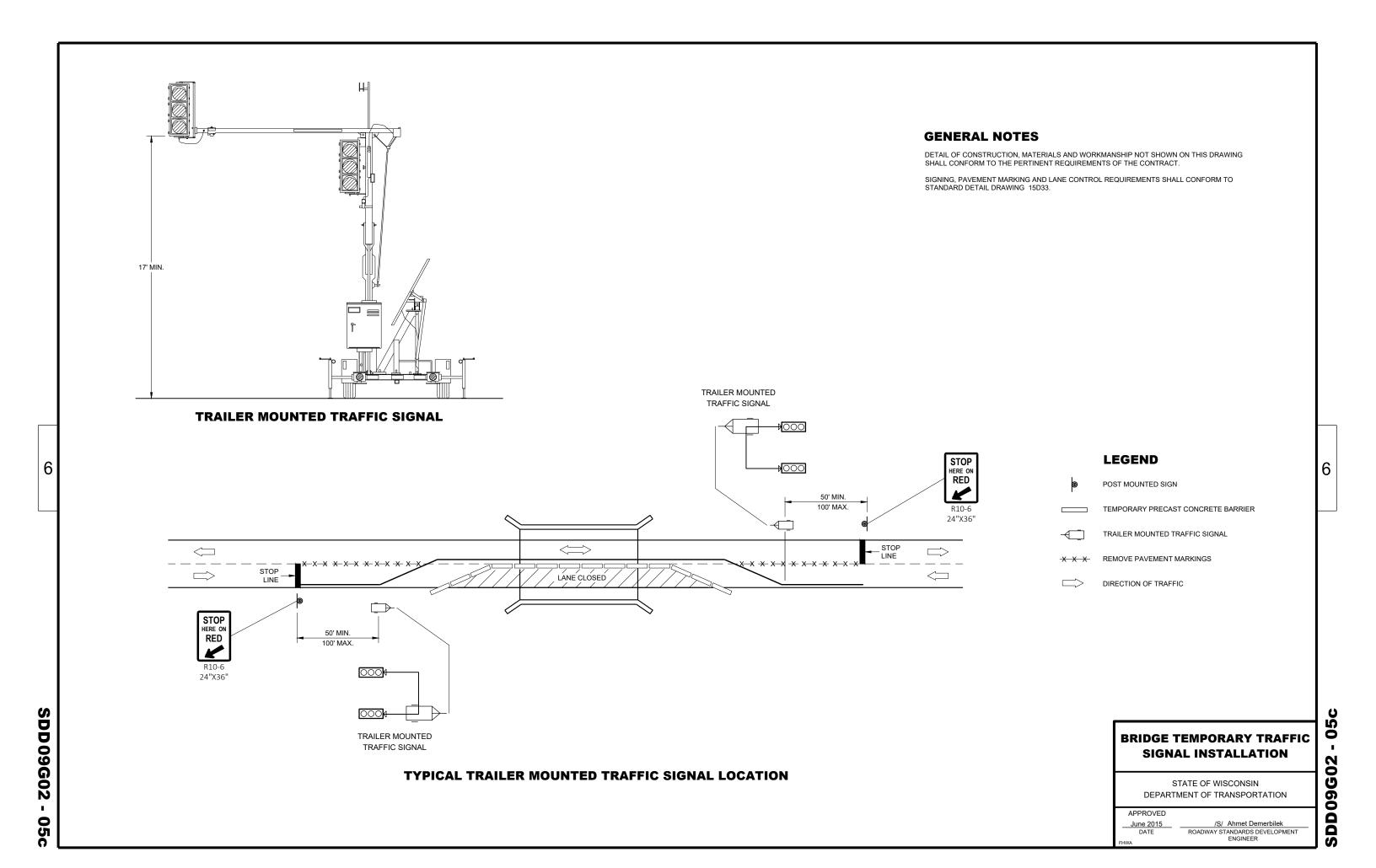
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APPROVED March 2018

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER









TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION MULTI-UNIT STRUCTURES

GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

- 1 EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SPREAD OPEN SO THE TOP OF LUG IS 11/4" WIDE

SECTION A-A

ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

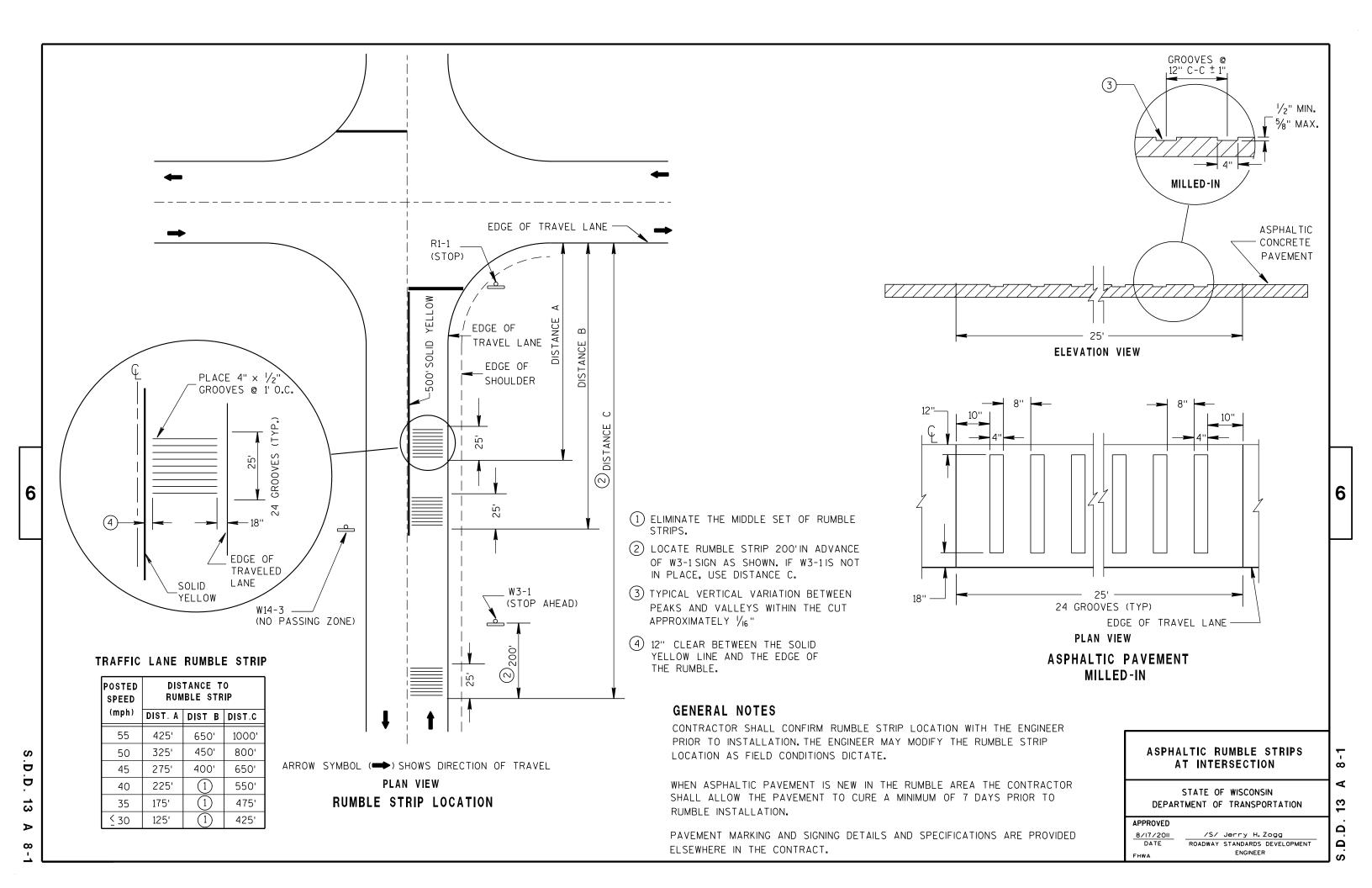
APPROVED

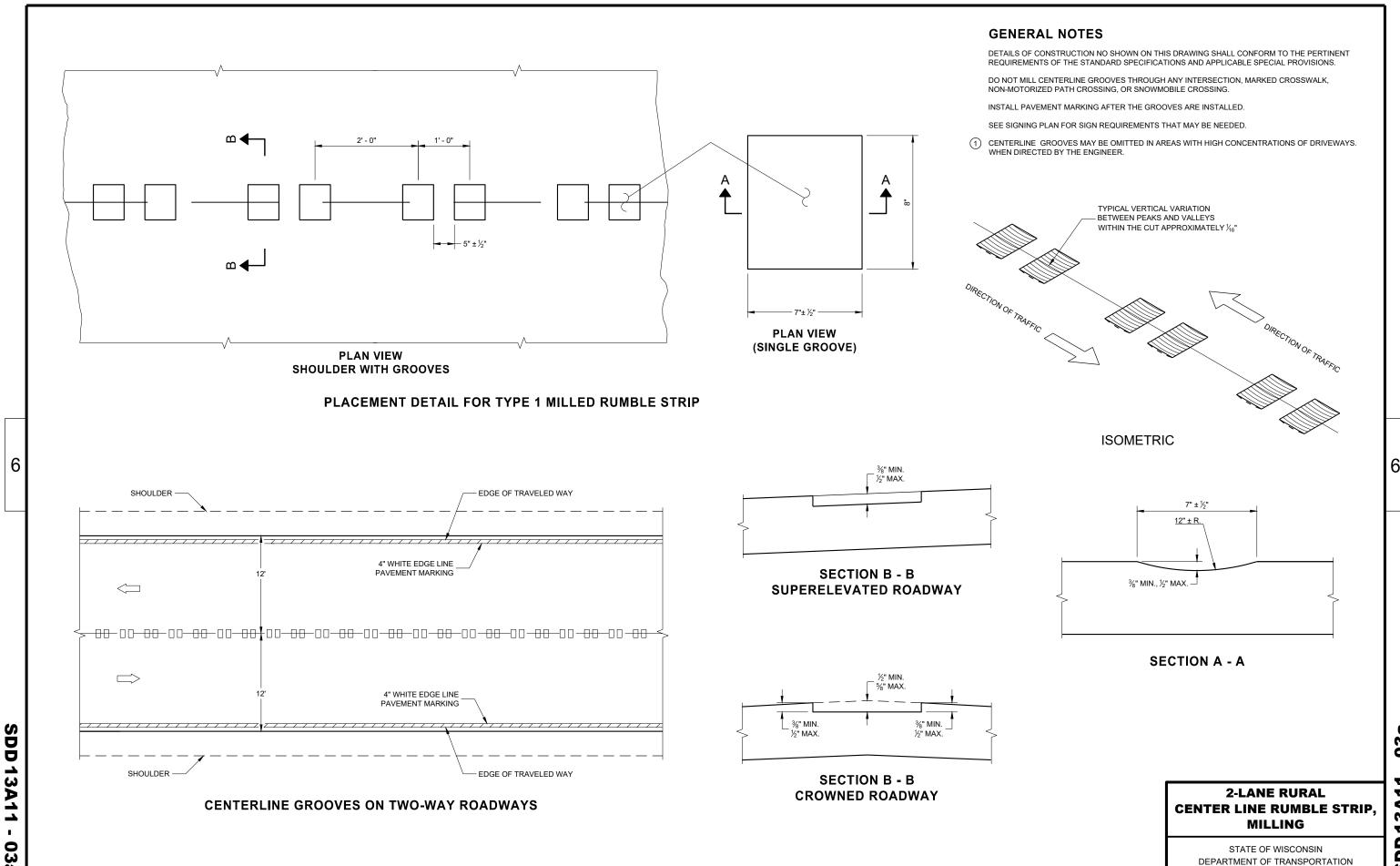
3/26/IO /S/ Scot Becker

DATE CHIEF STRUCTURAL DEVELOPMENT ENGINEER

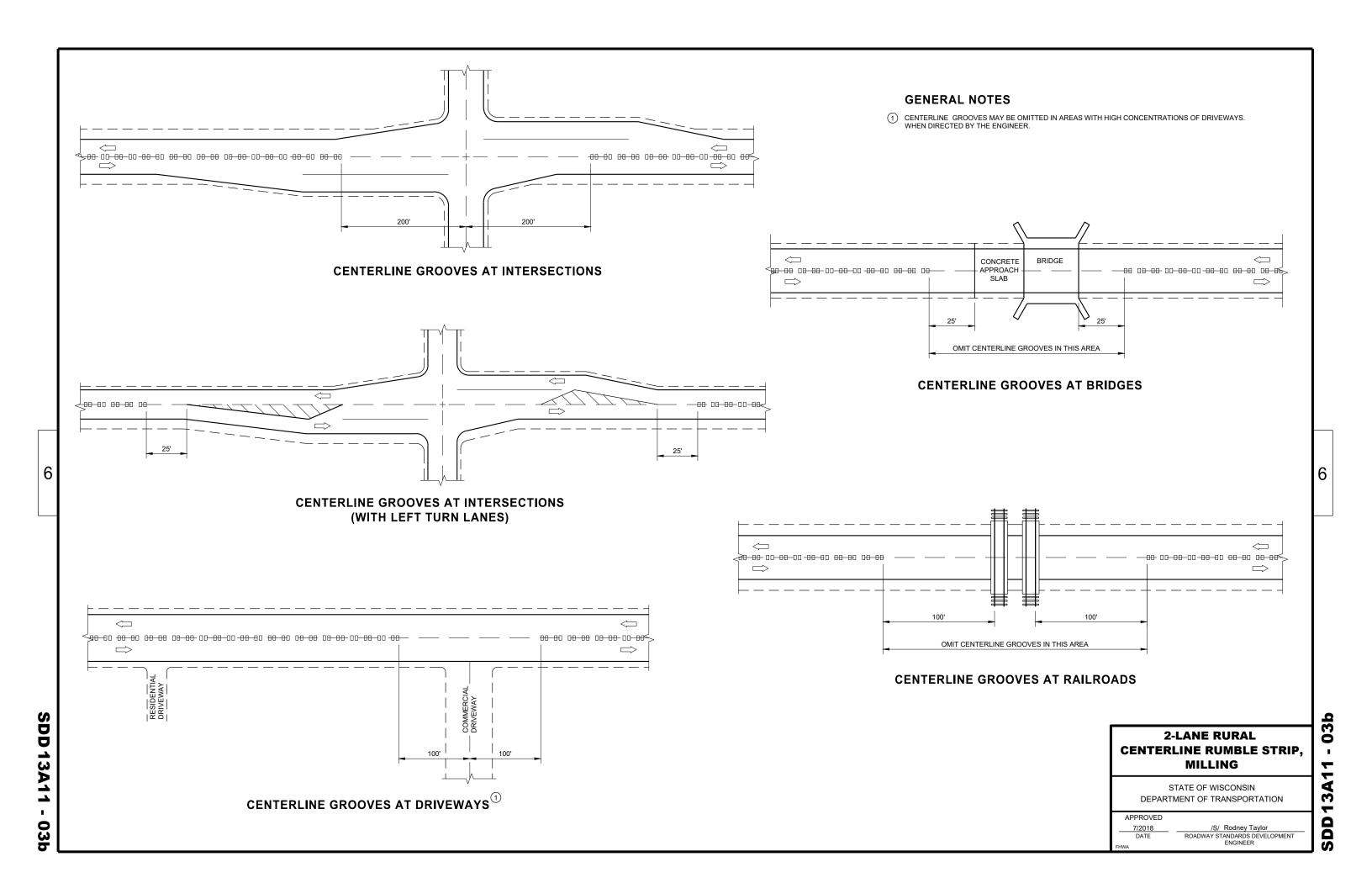
.D.D. 12 A

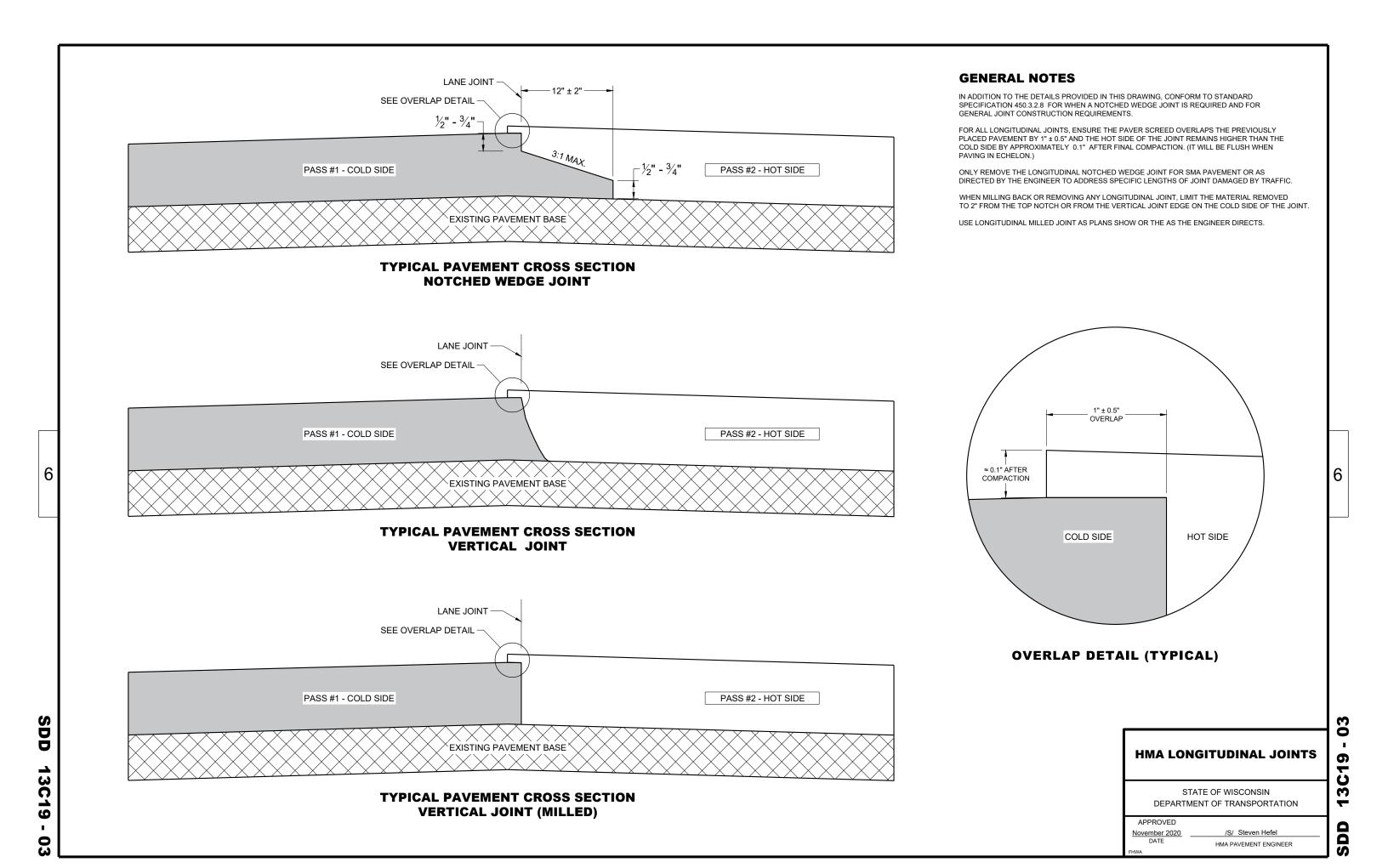
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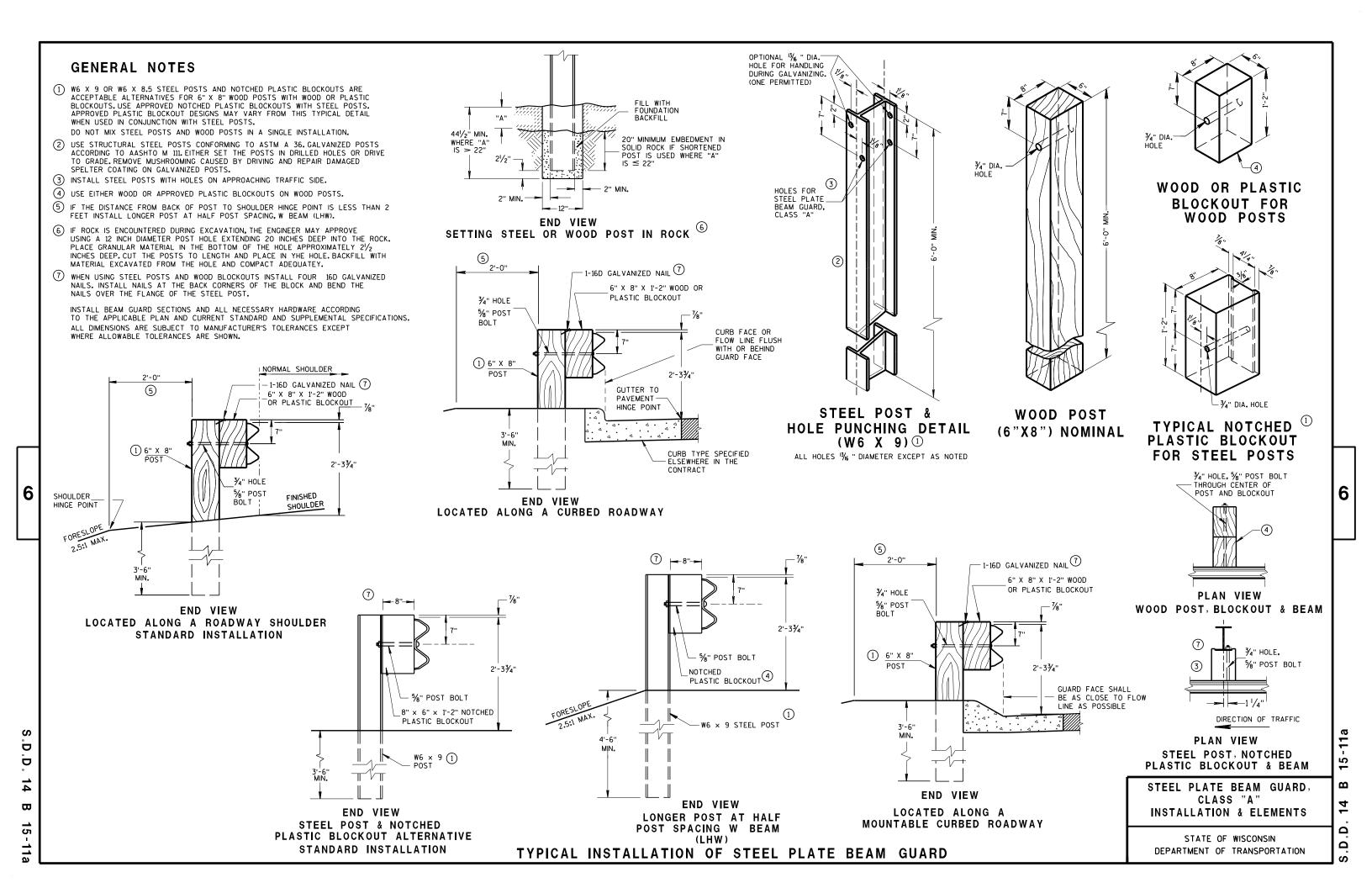




SDD







POST SPACING STANDARD INSTALLATION

12'-6" OR 25'-0"

FRONT VIEW

SECTION THRU W

SYMMETRICAL

BEAM

ABOUT & -12 GAGE

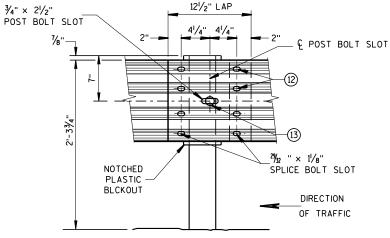
121/2" LAP WOOD OR PLASTIC BLOCKOUT FINISHED SHOULDER DIRECTION OF TRAFFIC FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

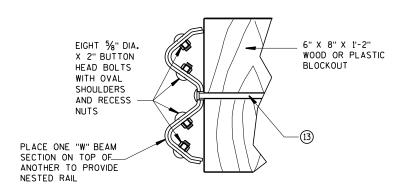
FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

- (9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA, START REFLECTORS AT POST *9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.
- (12) 8 1/8" \$ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- (13) 5%" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5%" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW BEAM SPLICE AT STEEL POST

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



NESTED W BEAM (NW)

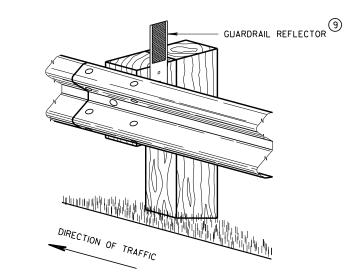
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

EFFECTIVE LENGTH OF BEAM 3'-11/2" C-C 3'-11/2" C-C 3'-1¹/₂" C-C 3'-1¹/₂" C-C POST SPACING SPACING **SPACING** SPACING FINISHED DIRECTION OF SHOULDER TRAFFIC

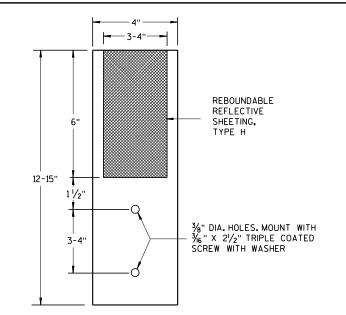
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN), USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", **INSTALLATION & ELEMENTS**

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15-11b

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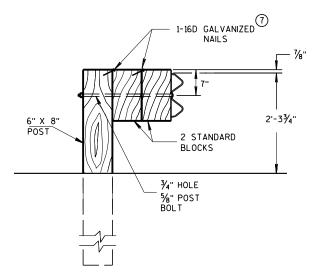
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

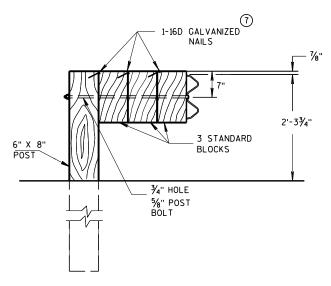
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DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

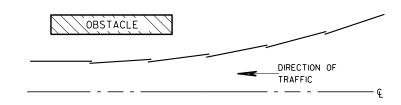


DETAIL FOR TRIPLE BLOCKS

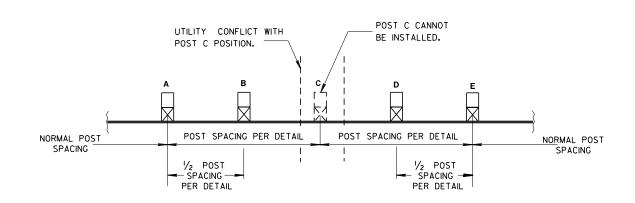
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017

DATE

FHWΔ

/S/ Rodney Taylor

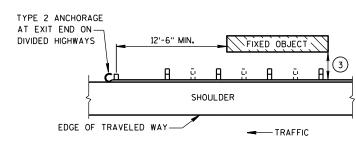
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

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BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES **EXIT END - ONE WAY TRAFFIC**

GENERAL NOTES

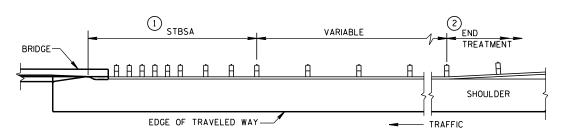
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- (1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) SEE CURRENT SDD 14B20.
- 2 USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

3)	MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
	3'-6"	3' - 11/2"
	4'-6"	6' - 3"



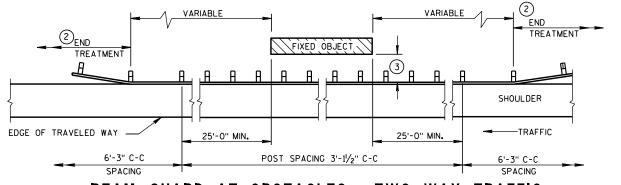
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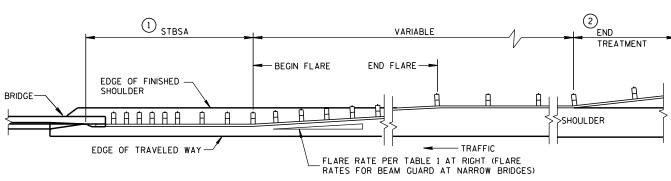
18.

BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM	GUARD AT	NARROW	BRIDGES
(FLARED TO S	HOULDER EDGE	THEN PARALL	EL TO ROADWAY)

TABLE 1 FLARE RATES FOR BEAM **GUARD AT NARROW BRIDGES**

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A' AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

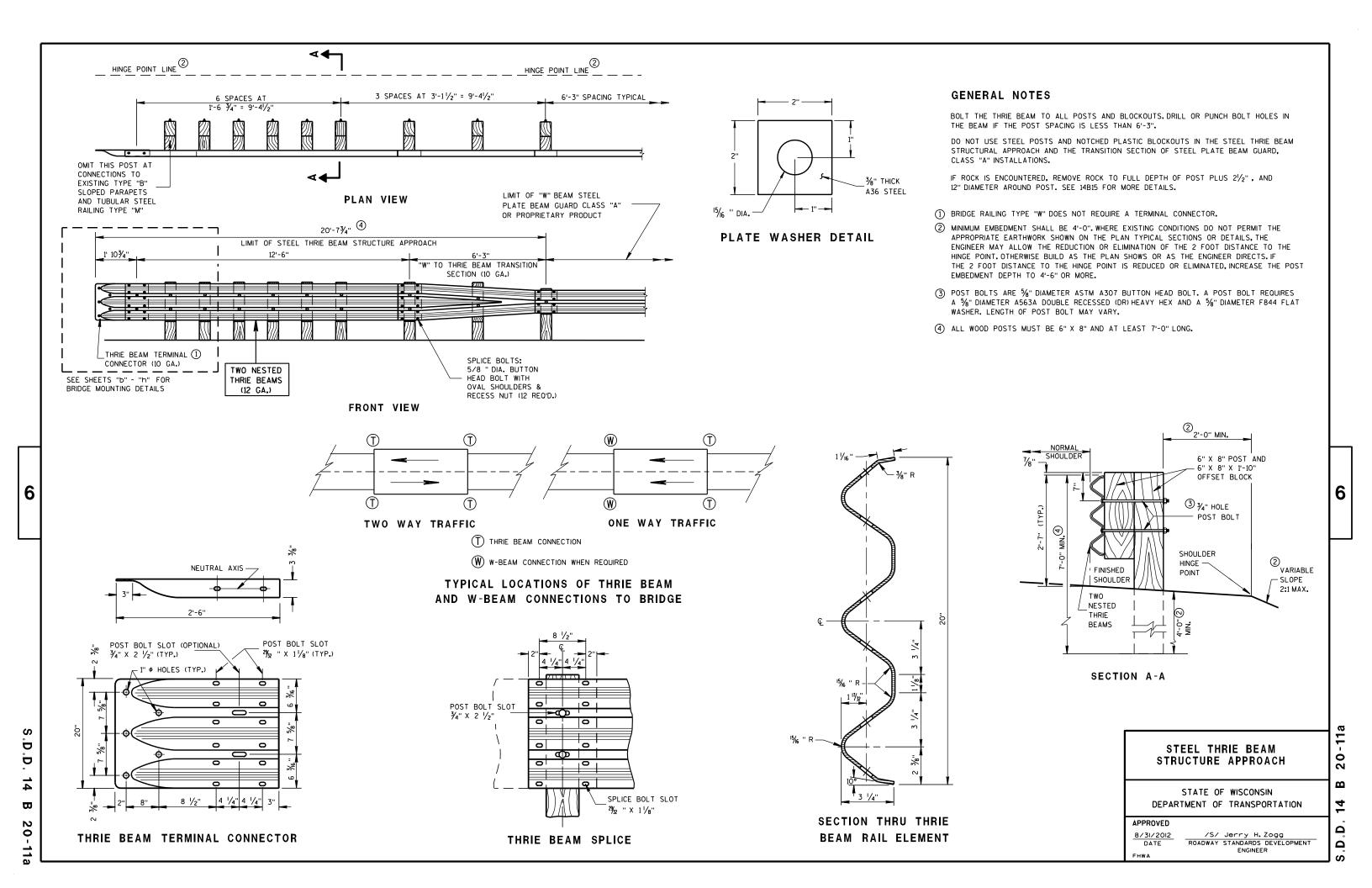
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

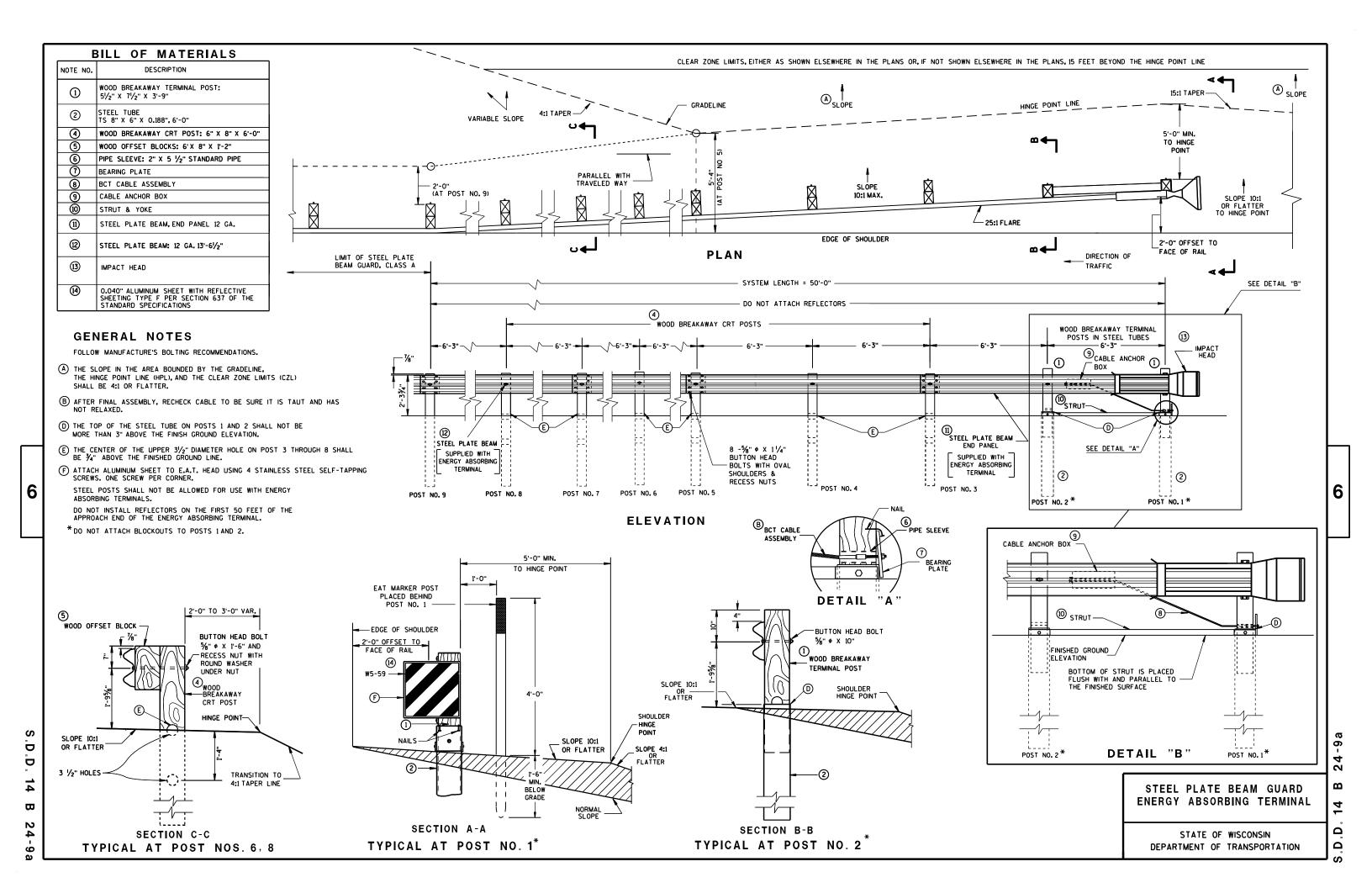
APPROVED	
8-21-07	/S/ Jerry H.Zogg
DATE	ROADWAY STANDARDS DEVELOPMENT
FHWΔ	ENGINEER

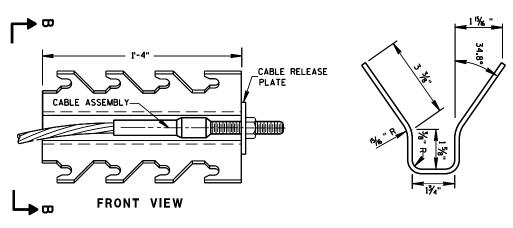
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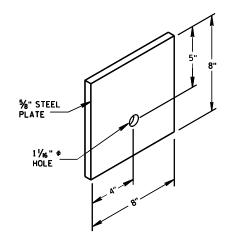






SECTION B-B

(9) CABLE ANCHOR BOX



[⊙]STEEL BEARING PLATE

STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

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24-9b

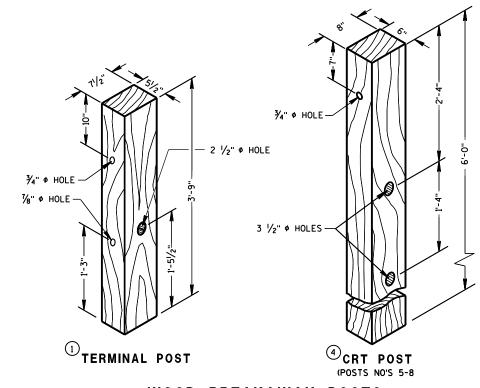
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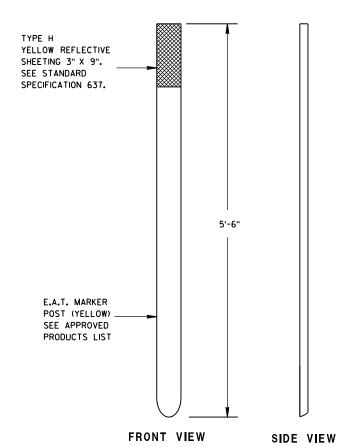
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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(4) REFLECTIVE SHEETING DETAILS



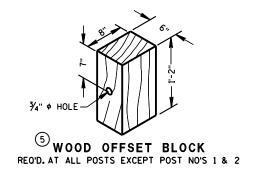
WOOD BREAKAWAY POSTS



E.A.T. MARKER POST

GENERAL NOTES

WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



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STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

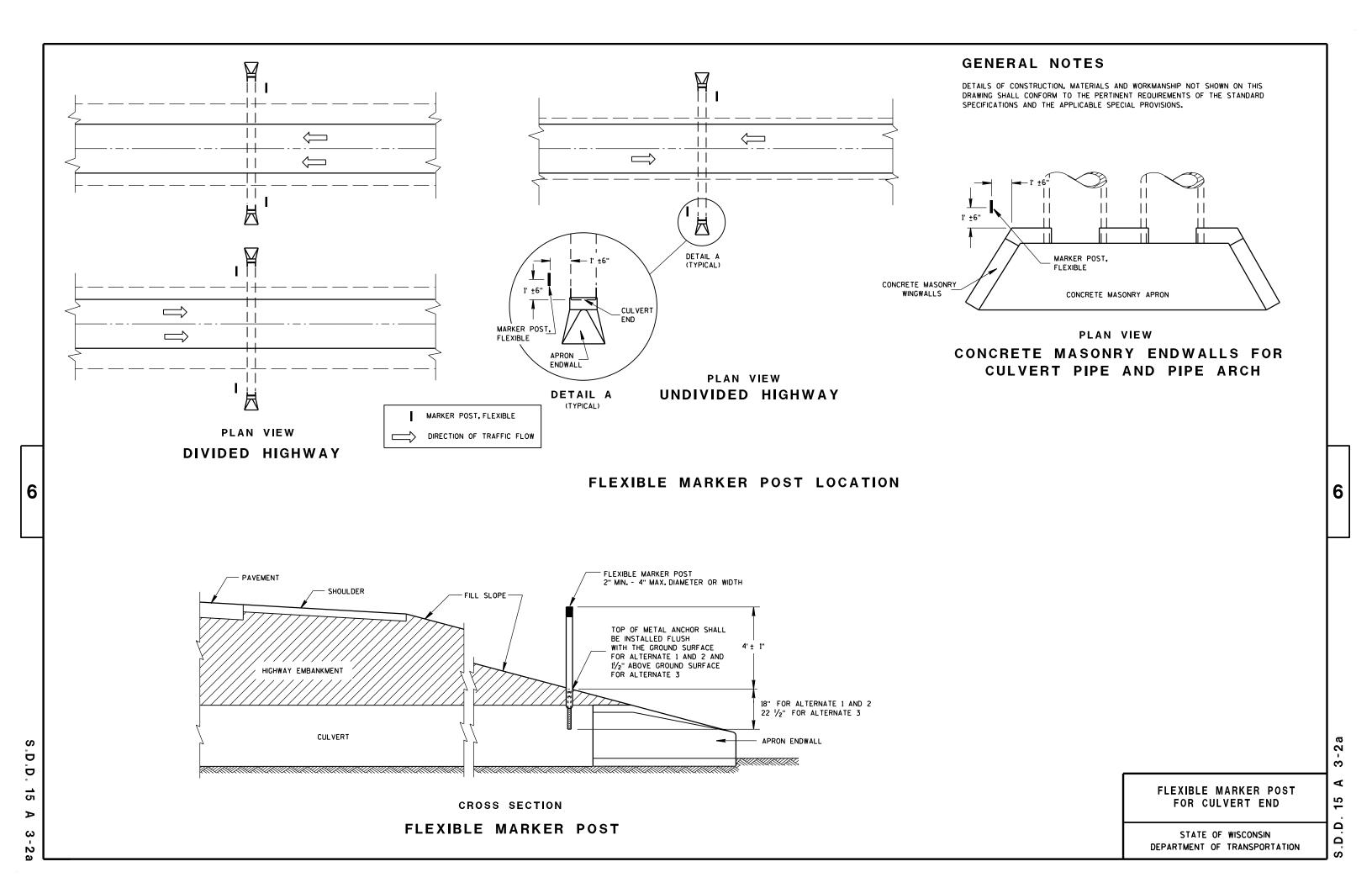
APPROVED June 2017

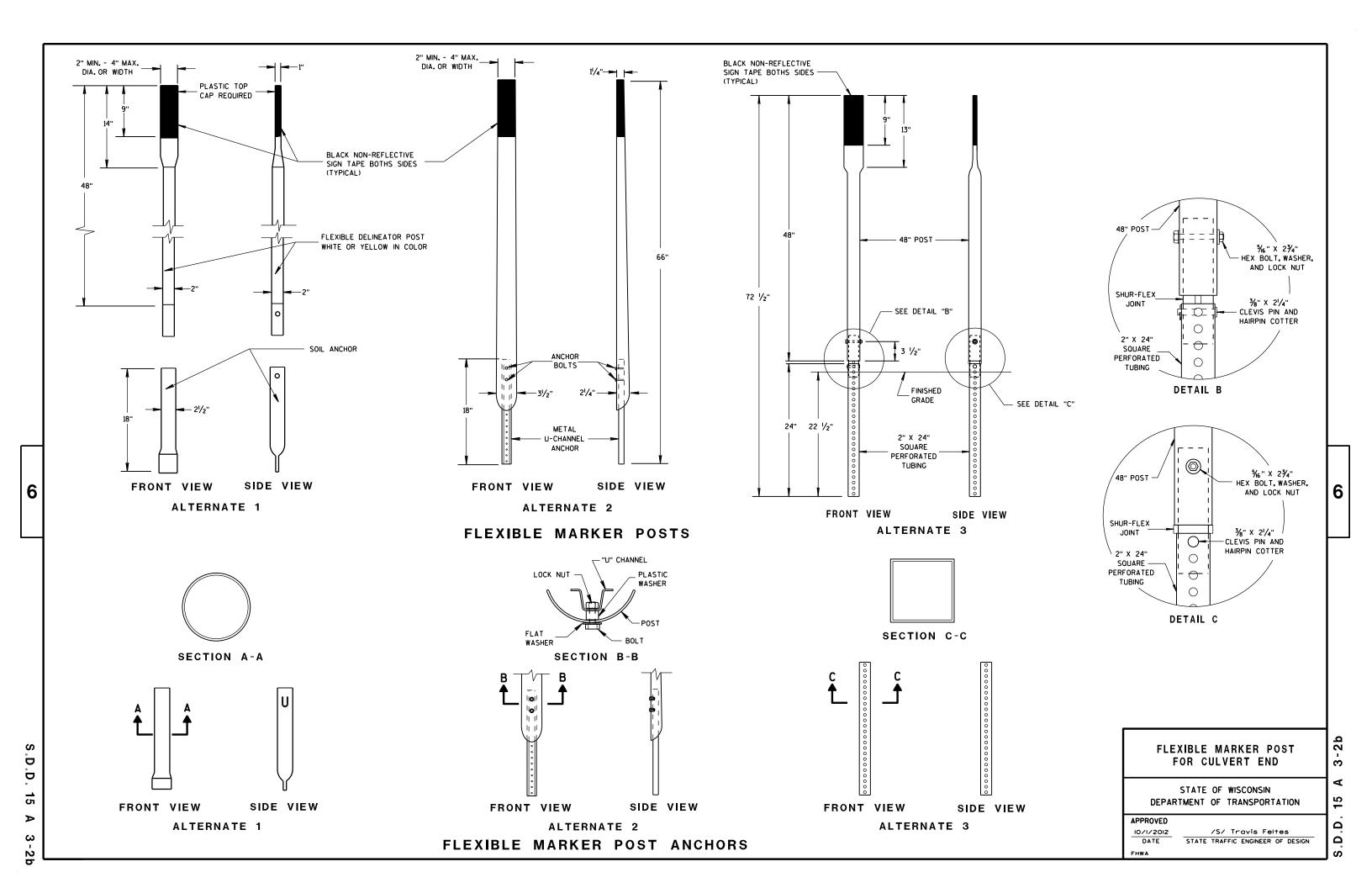
/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

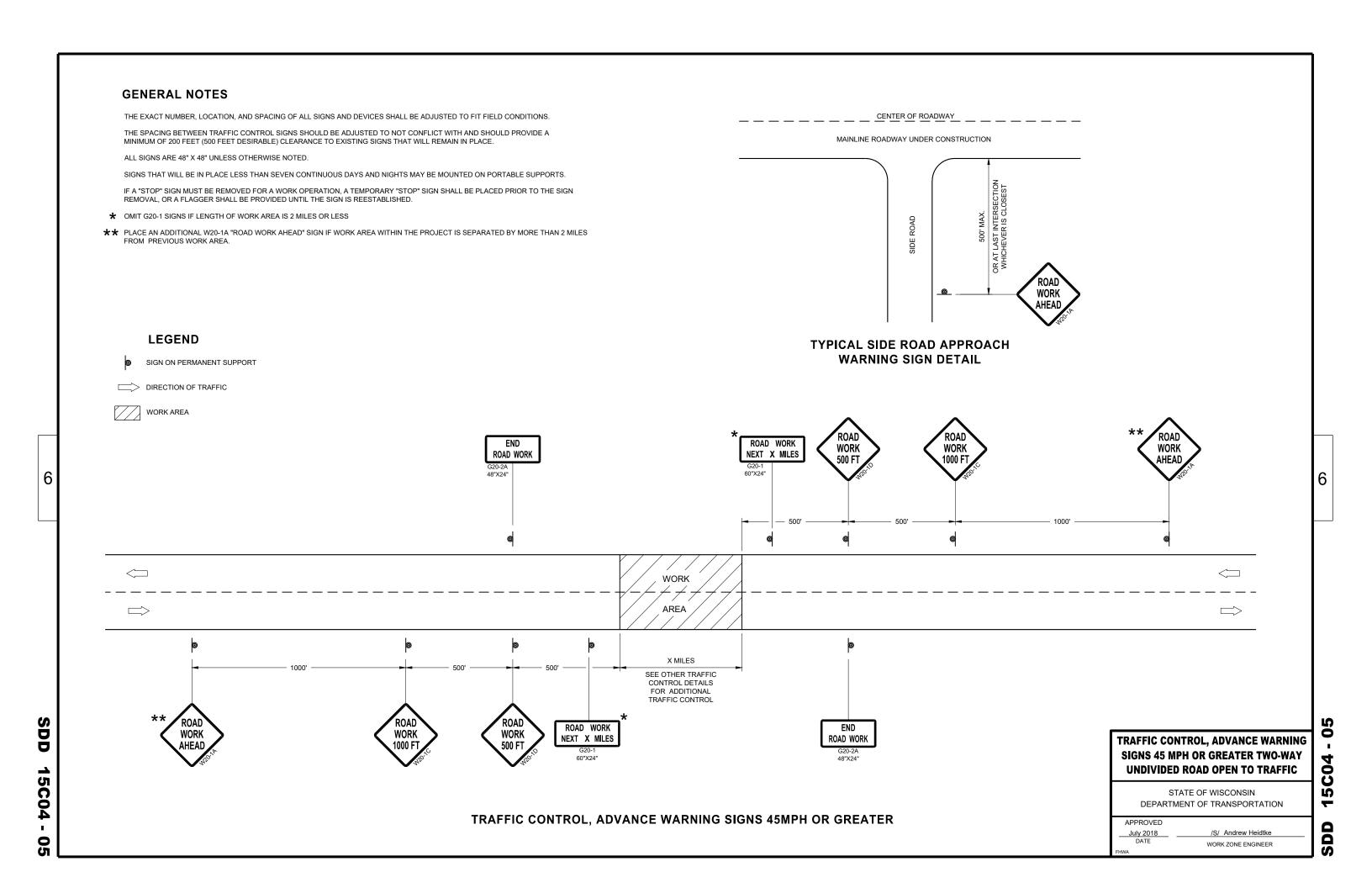
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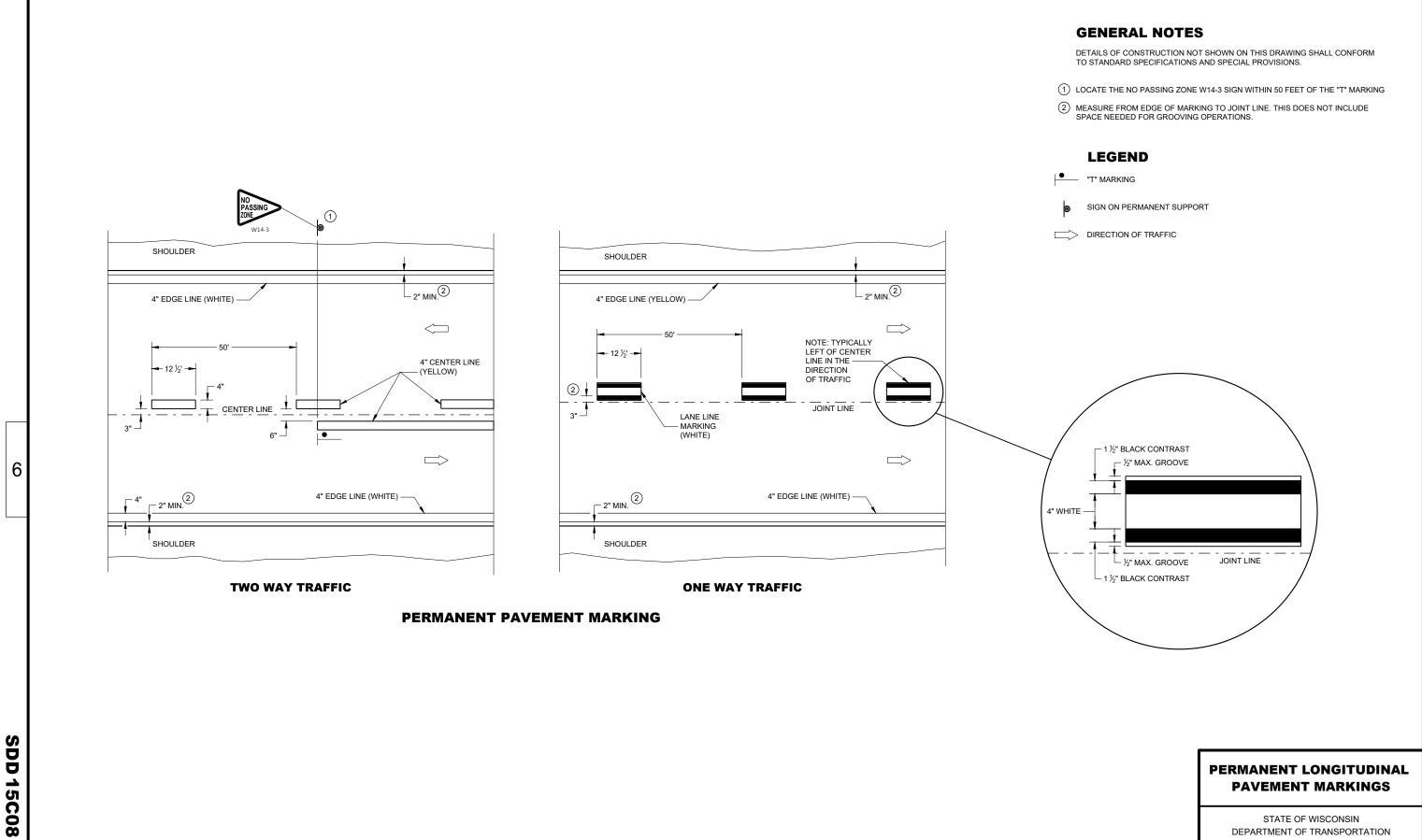
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D ₩ 24-9c









STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

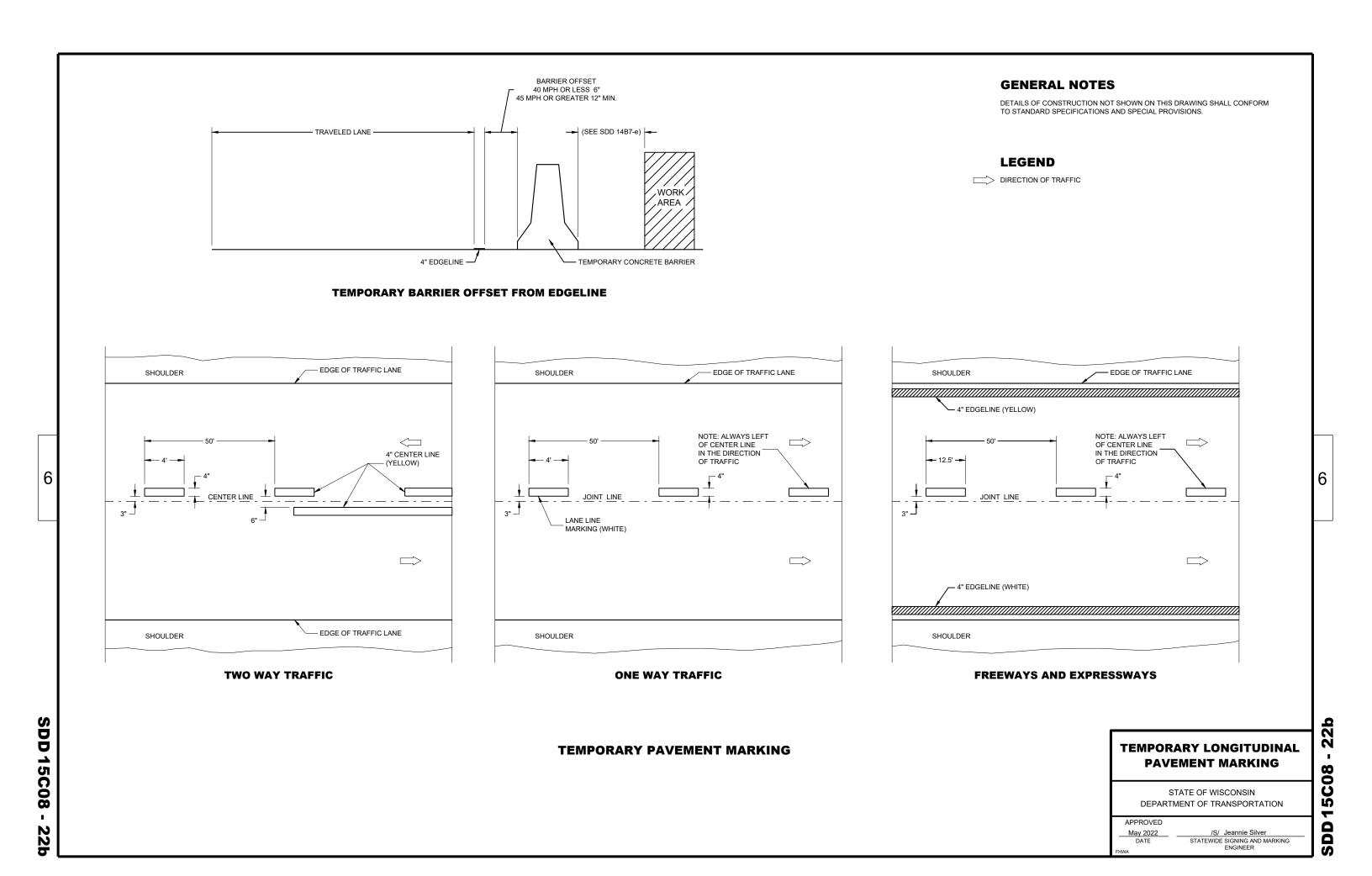
/S/ Jeannie Silver
STATEWIDE SIGNING AND MARKING
ENGINEER

APPROVED

May 2022 DATE

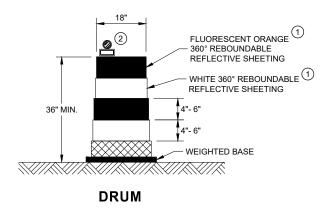
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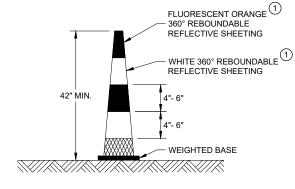
15C08



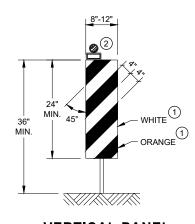
GENERAL NOTES

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

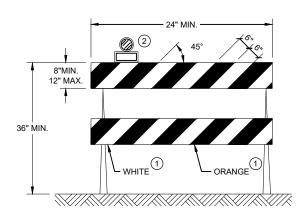




42" CONE DO NOT USE IN TAPERS ½ SPACING OF DRUMS

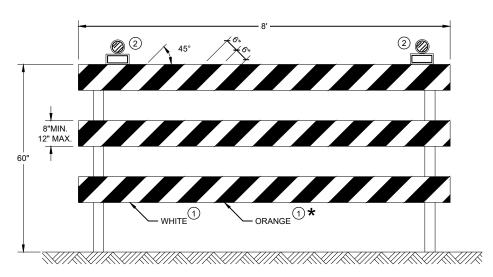


VERTICAL PANEL THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

<u>60</u>

15C

APPROVED	
	10 A 1 11 111
May 2021	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
	WORK ZONE ENGINEER
F1.1144	WORK ZONE ENGINEER

RUMBLE

STRIPS

ROAD

WORK

GENERAL NOTES FLAGGING LEGEND DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY SIGN ON PORTABLE OR PERMANENT SUPPORT UNIFORM TRAFFIC CONTROL DEVICES. PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED FLAGGER, EQUIPPED WITH STOP/SLOW ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT PADDLE FASTENED ON SUPPORT STAFF THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE 5' MIN BE SPEED LIMIT SPACING "A" USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A". 35-40 MPH 350' STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

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APPROVED	
May 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	



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.

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

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

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND 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 QUELLE

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.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

- 1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- (2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

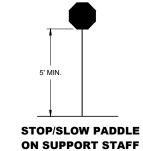
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

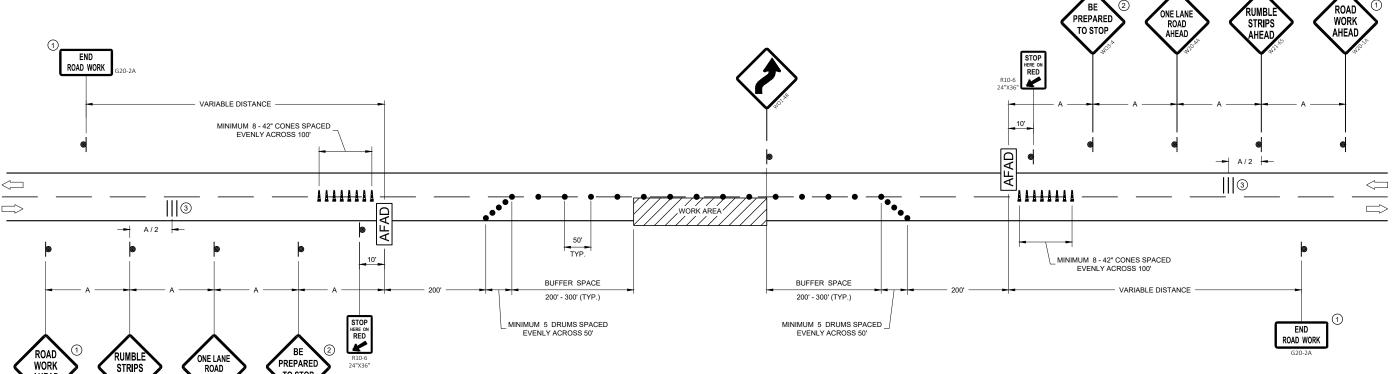
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

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AFFROVED	
May 2022	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

PAVEMENT MARKING

P.C. LEFT TURN	
P.C	
FLANGE OF CURB	
2" MAX. BET	
2" FLANGE OF AND CHANNE LINE	
CHANNELIZING LINE	ì
(WHITE)	
4" (YELLOW) 2	
4" (WHITE) 2	

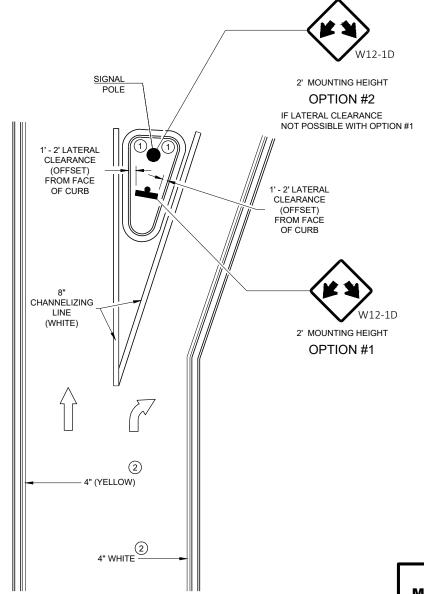
LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL. SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

- 1) MARK CURB NOSES YELLOW.
- (2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT 90

15C18

SDD

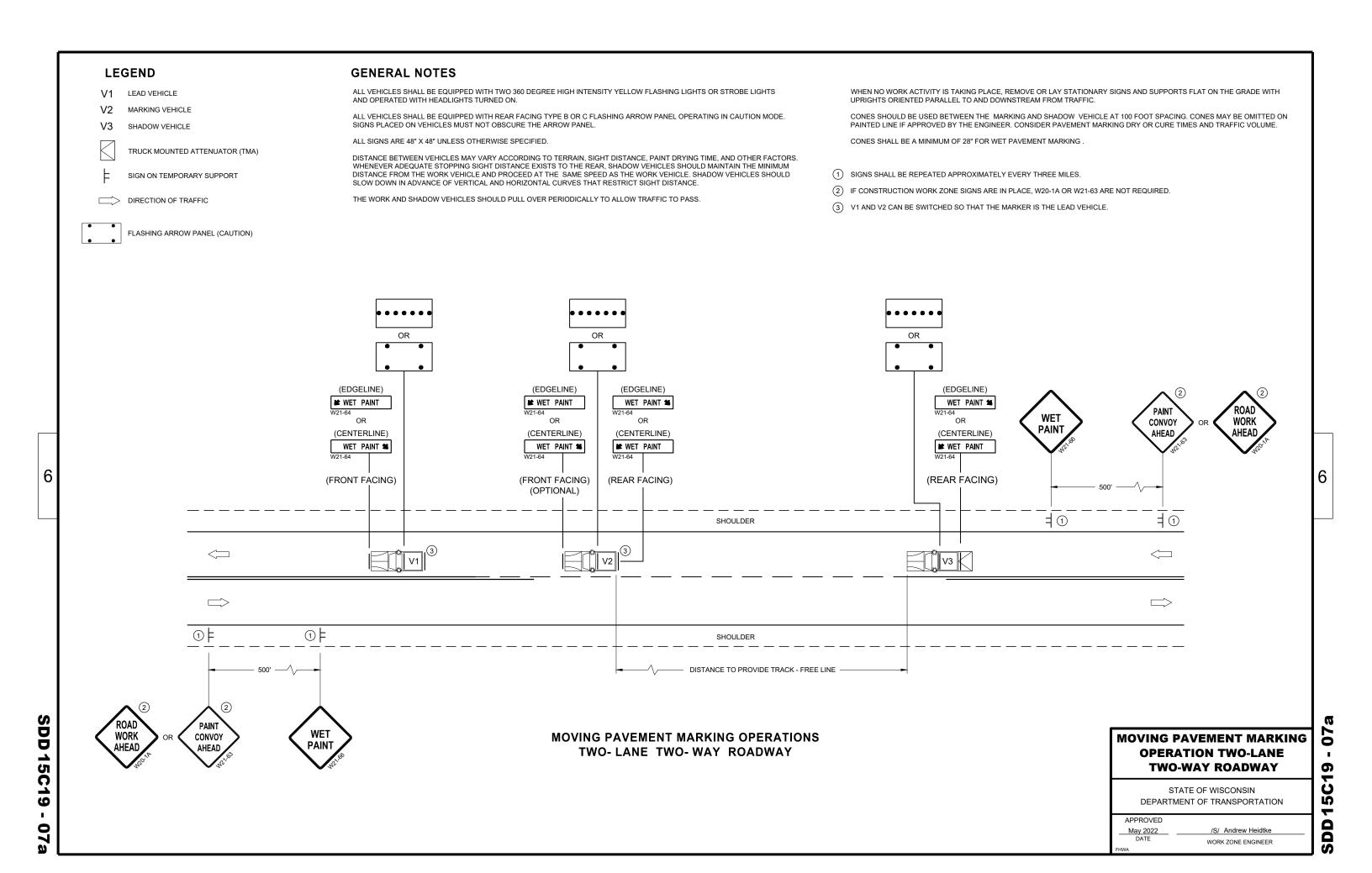
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

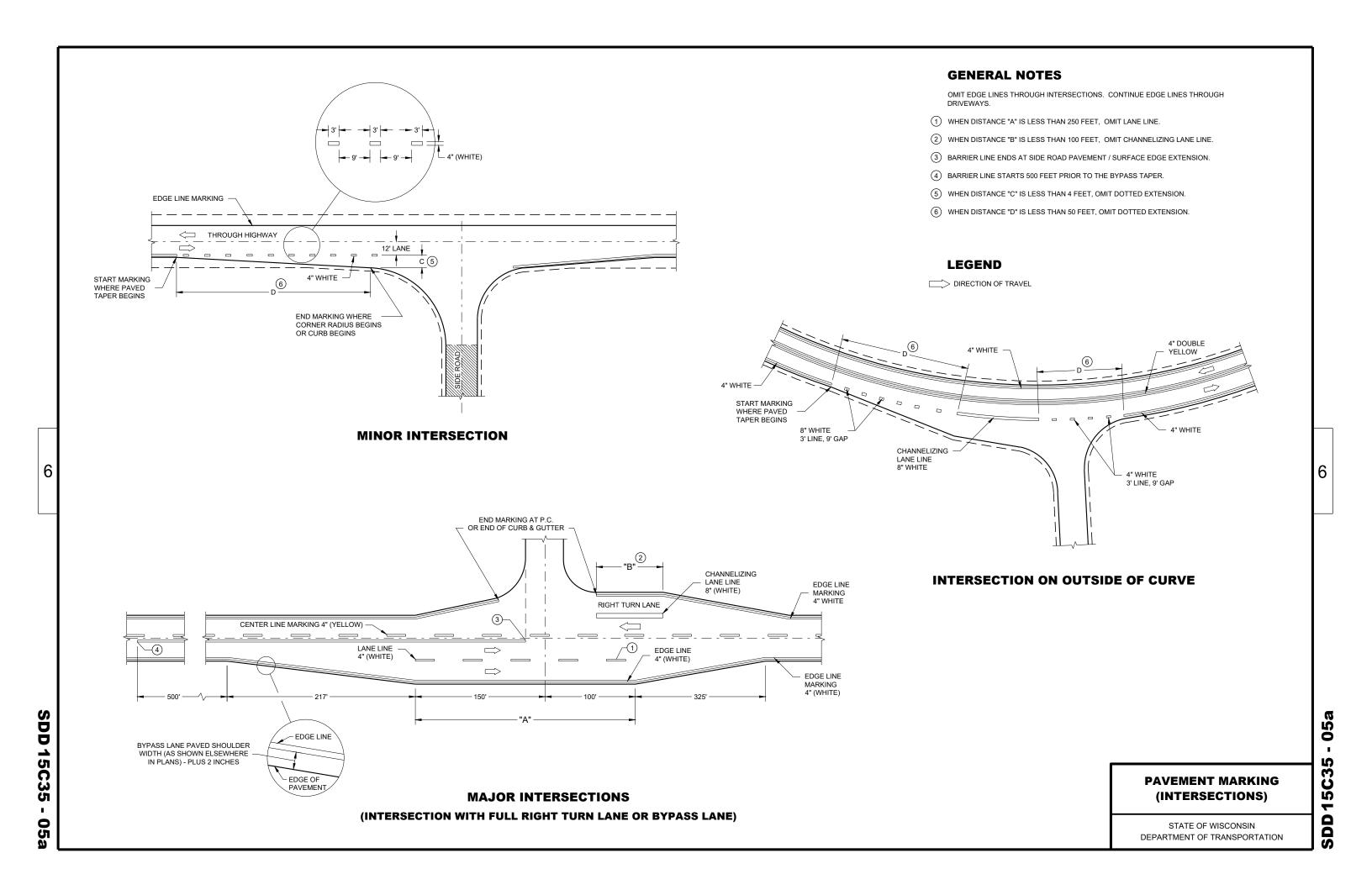
APPROVED

/S/ Jeannie Silver
STATE SIGNING AND MARKING
ENGINEER May 2022
DATE

SDD 15C18 06c

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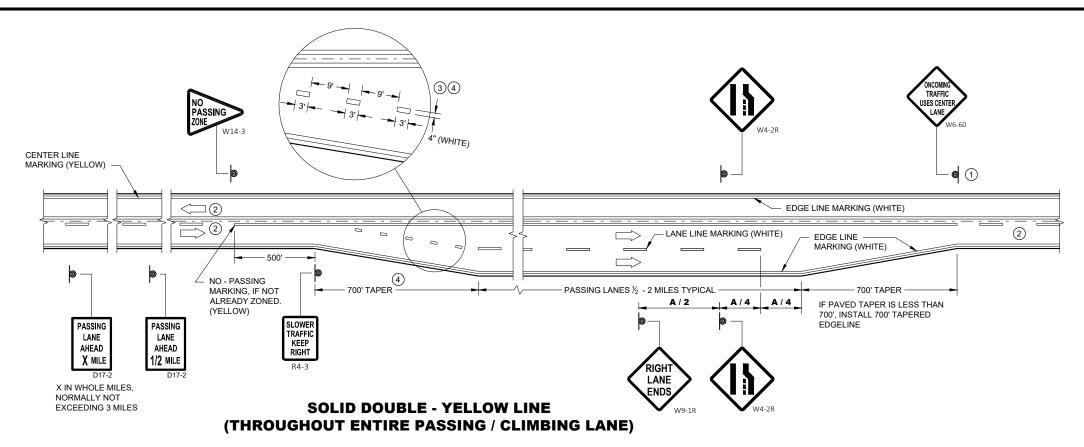


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SDD



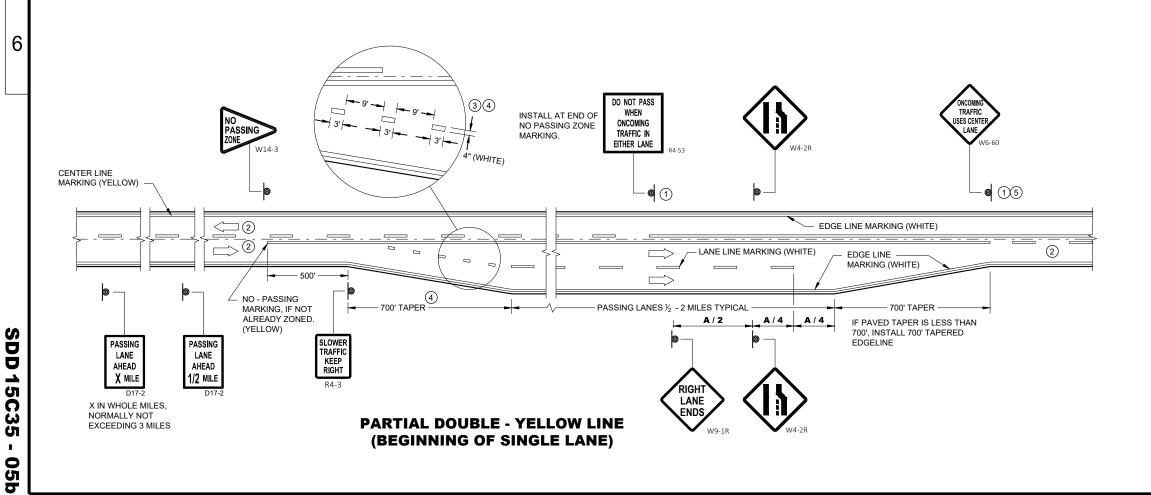
GENERAL NOTES

- \bigodot SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4 WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- (5) REPEAT EVERY 1 MILE UP UNTIL R4-53.

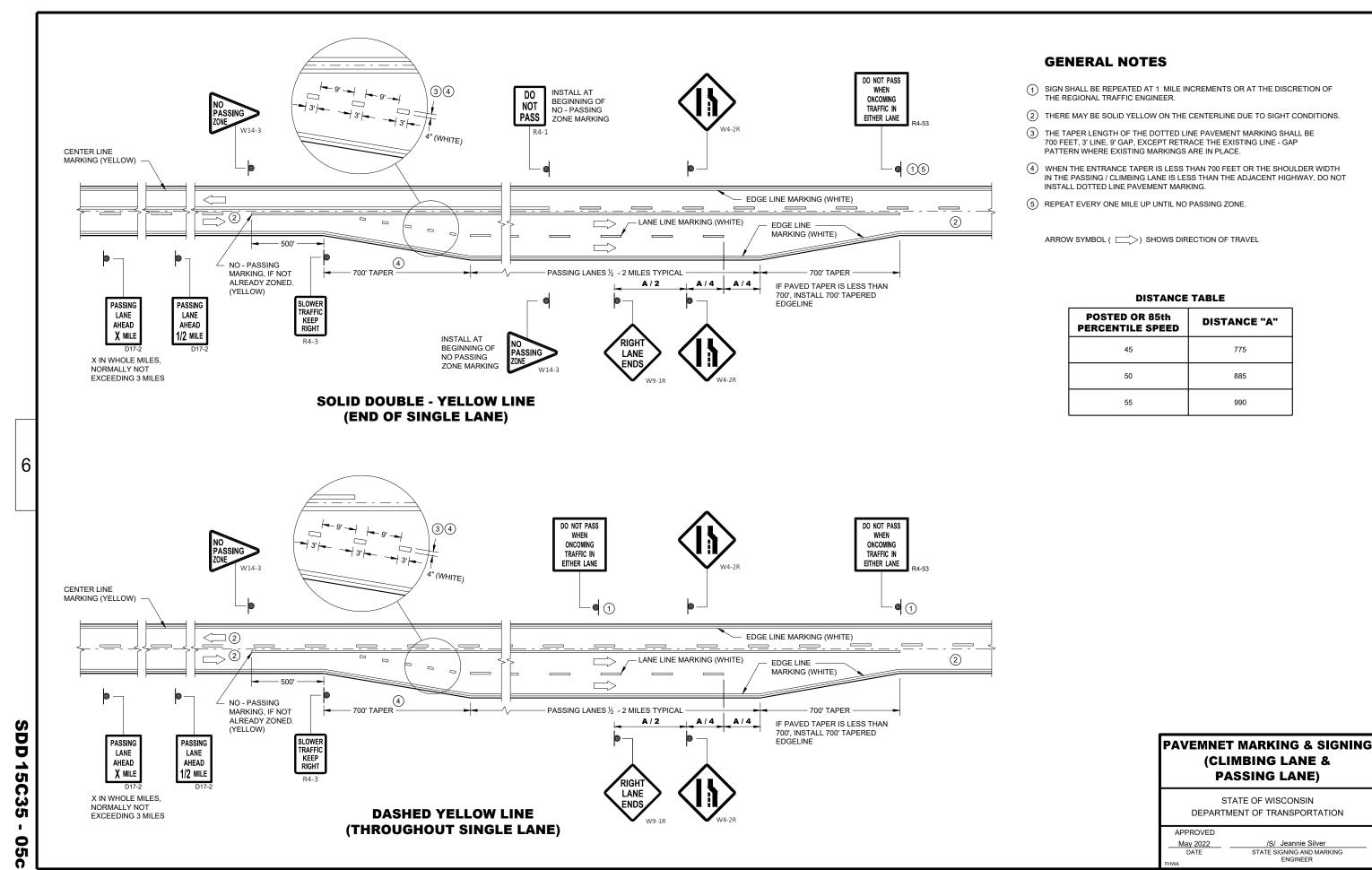
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990



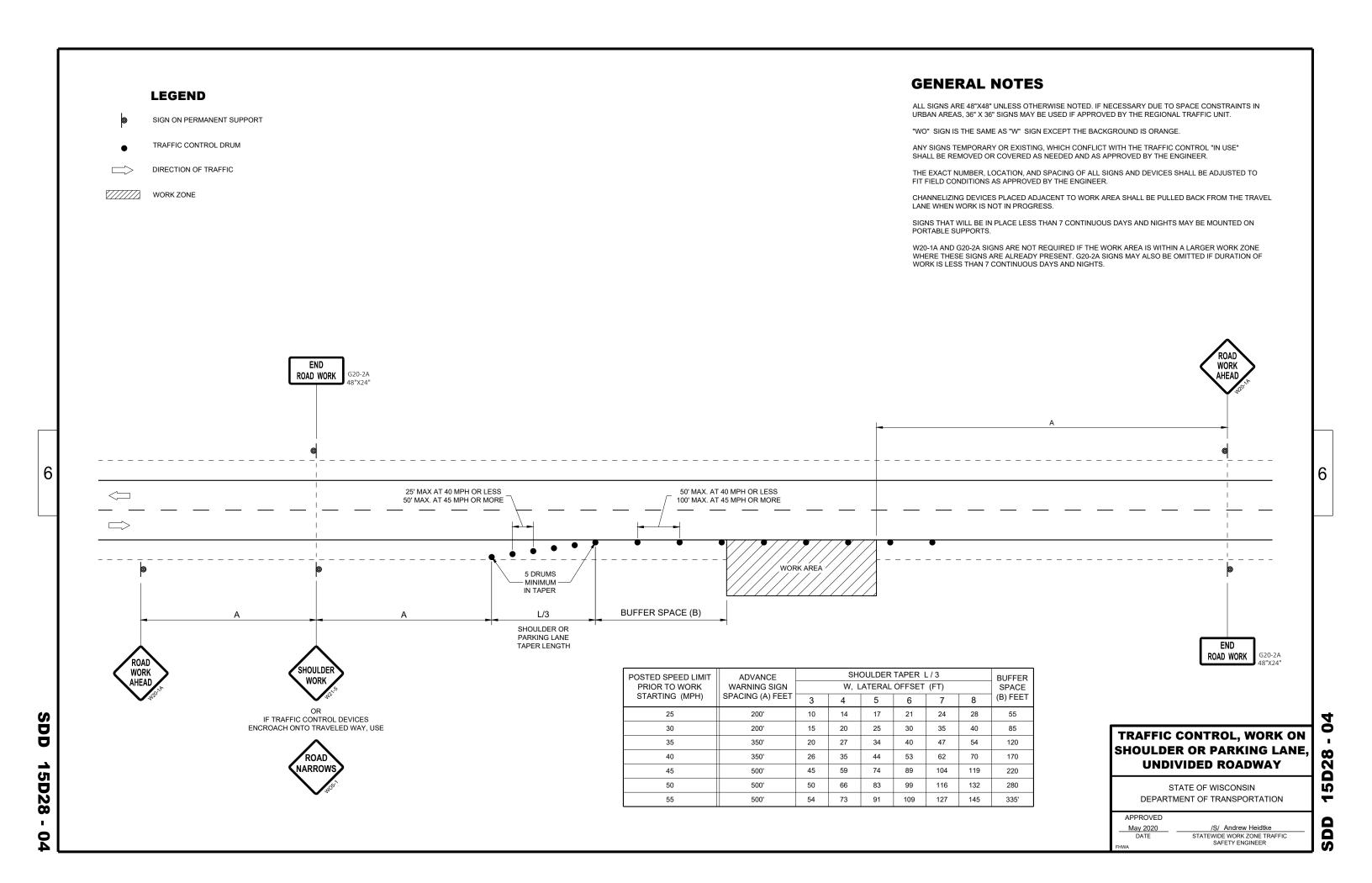
PAVEMENT MARKING & SIGNING (CLIMBING LANE & **PASSING LANE)**

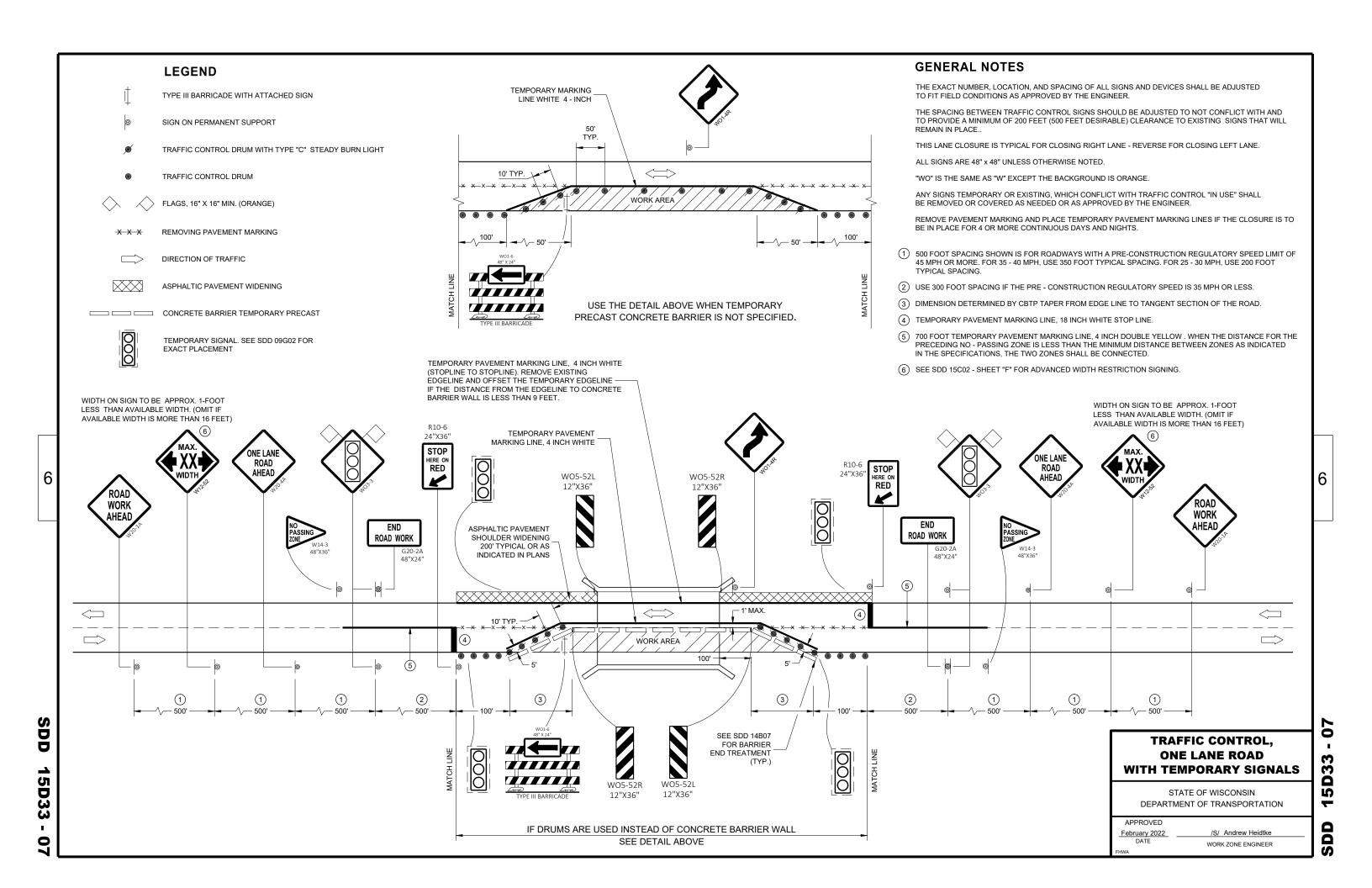


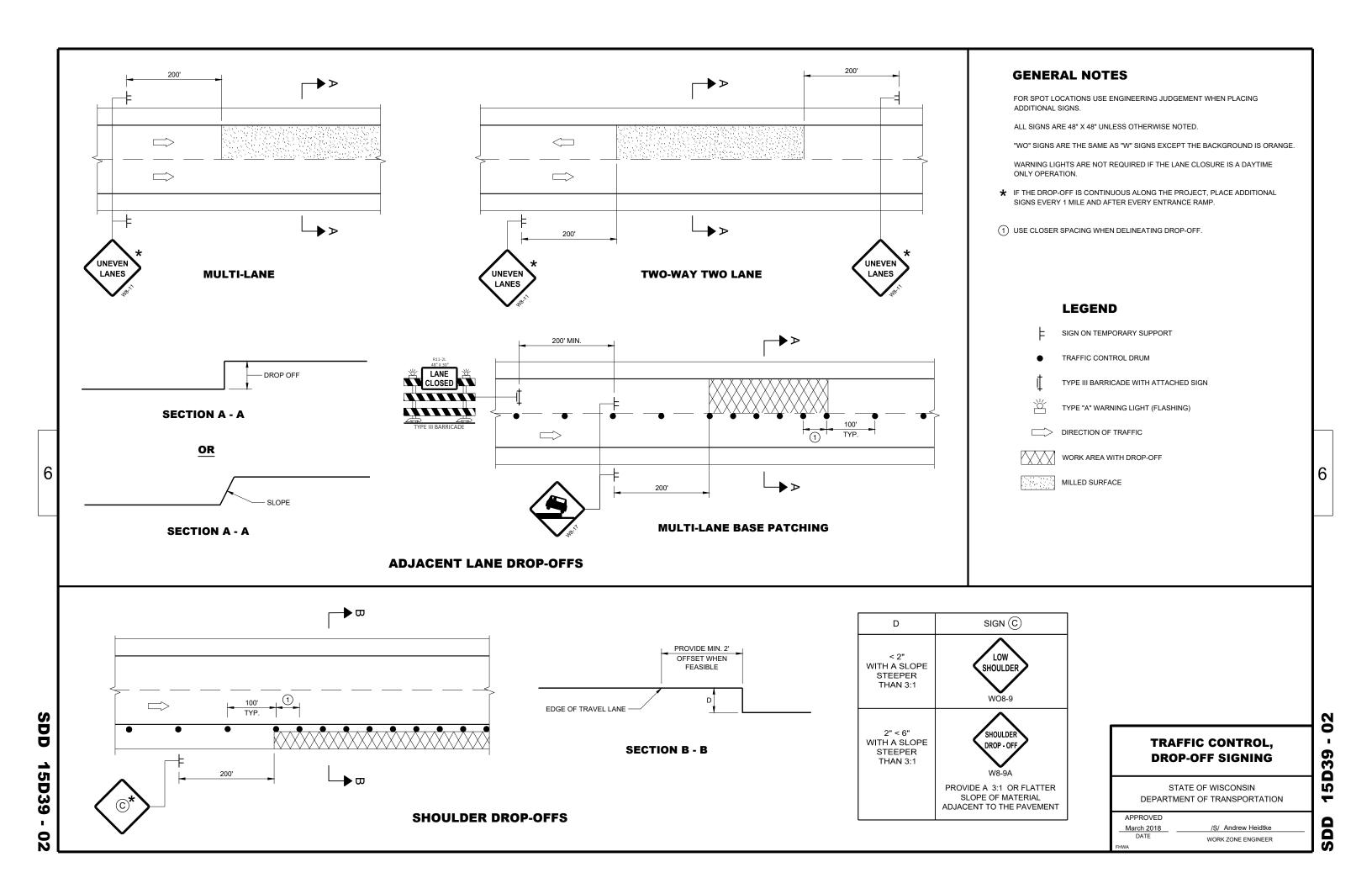
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- 05c

DD 15C35 - 0







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

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

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

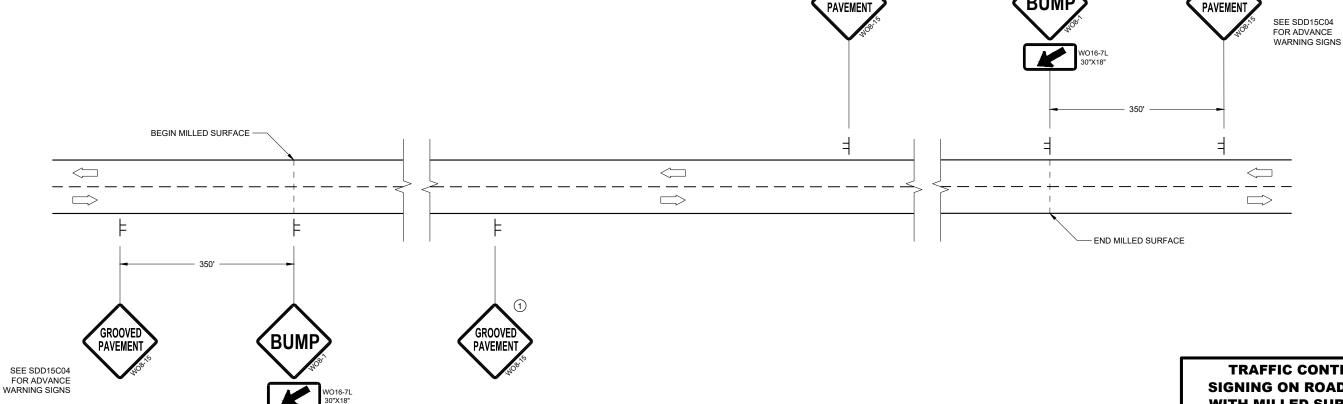
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

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

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

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

DIRECTION OF TRAFFIC



DETAIL FOR SIGNING ON MILLED SURFACES

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

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TYPICAL SIDE ROAD APPROACH SIGN DETAIL

PAVEMENT

Ò D V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

////// WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'

50

55

900'

900'

1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

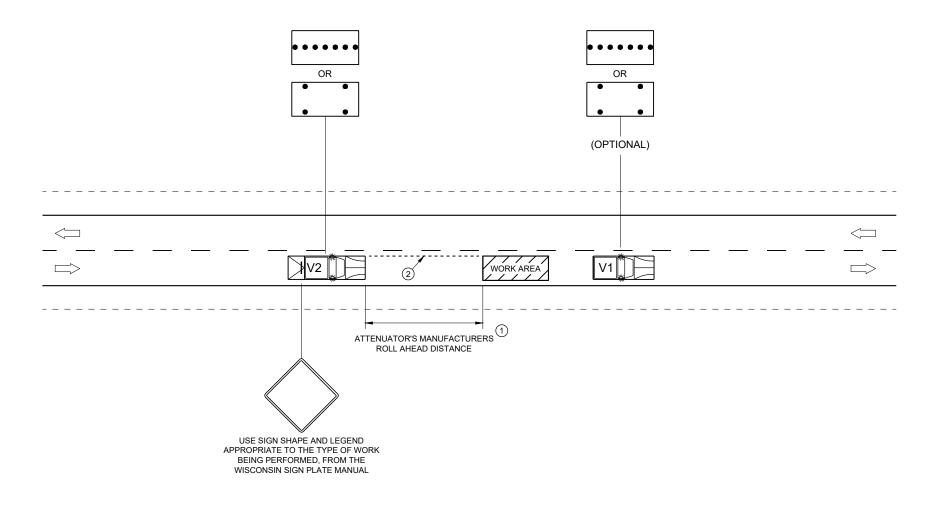
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF

- DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- 2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021 DATE /S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

LIST OF DRAWINGS

1. GENERAL PLAN

STRUCTURE DESIGN CONTACTS

5130-05-63

STATE PROJECT NUMBER

BRIDGE OFFICE CONTACT AARON BONK, P.E. (608) 261-0261

EXISTING STEEL RAILING

1/4" X 2 3/4" (MIN.) CONCRETE SCREWS SPACED

BOTTOM OF DECK

- LIMITS OF CONCRETE SURFACE REPAIR 1' 0" WIDTH TYP, 6 3/4" MINIMUM

RE-CAULK ALL RAILING BASE PLATES

TOP OF DECK

TYPE W. TO REMAIN

DYLAN MUSGJERD, P.E. (608) 789-2034

BILL OF	BARS		85 LBS.			
MARK	NO. REQ'D.	LENGTH	BENT	LOCATION		
S401	4	35-8		DRIP EDGE REPAIR LONGIT.		

TOTAL ESTIMATED QUANTITIES B-41-21

	77.1125 00,07.1111120 2 12 22					
BID ITEM NO.	BID ITEMS	UNIT	S. ABUT.	N. ABUT.	SUPER.	TOTALS
203.0211.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-41-21	EA				1
203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-41-21	EA				1
502.3200	PROTECTIVE SURFACE TREATMENT	SY			106	106
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB			85	85
509.1500	CONCRETE SURFACE REPAIR	SF		4	305	309
509.9020.S	EPOXY CRACK SEALING	LF	29	40		69
SPV.0060.01	RESEAL RAILING POST CONNECTIONS	EA			22	22
SPV.0090.01	LF			146	146	
SPV.0090.02	RESEAL ABUTMENT - DIAPHRAGM JOINTS	LF	18	18		36

GENERAL NOTES

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

DRAWINGS SHALL NOT BE SCALED.

SEE ROADWAY PLANS FOR TRAFFIC CONTROL INFORMATION.

CONCRETE SURFACE REPAIR LOCATIONS AS DIRECTED BY ENGINEER.

EPOXY CRACK SEALING LOCATIONS AS DIRECTED BY THE ENGINEER.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

CLEAN AND RE-SEAL ABUTMENT DIAPHRAGM JOINTS ON ALL CORNERS, LOCATIONS AS DIRECTED BY THE ENGINEER. THESE ACTIONS WILL BE PART OF THE RESEAL ABUTMENT - DIAPHRAGM JOINTS BID ITEM (SPV.0090.02).

CLEAN AND RE-CAULK ALL RAILING BASE PLATES.

CONCRETE SCREWS SHALL BE 410 STAINLESS STEEL.

CAULK SHALL BE NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER.

DESIGN DATA

LIVE LOAD: INVENTORY RATING: HS16 OPERATIONAL RATING: HS27 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 220 KIPS

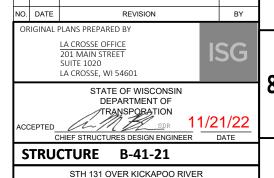
RATINGS TAKEN FROM HSIS 02/09/2022

MATERIAL PROPERTIES:

CONCRETE MASONRY SUPERSTRUCTURE: f'c = 4.000 PSI HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60: Fy = 60,000 PSI

TRAFFIC: A.A.D.T 2027 = 3070 A.A.D.T 2047 = 3410 T. = 20.7%

DESIGN SPEED = 55 MPH



MONROE WILTON DESIGN SPE REHABILITATION N/A

DESIGNED DESIGNED DRAWN
BY JRM CK'D DCM BY

GENERAL PLAN

SCONSIA. MISCONSIN DYLAN C **MUSGJERD** E-48208 wand ALESVILLEY SONAL ENGLISH 9/30/2022

REHABILITATION FLASHING DETAIL TYPICAL BOTH EDGES OF DECK.

4 3/4"

3/4"

€ STH 131

· 3/16" X 1 3/4" (MIN.) CONCRETE SCREWS SPACED

AT 2'-0"

€ BEARING NORTH

ABUTMENT

EXTEND FLASHING TO B.F. OF ABUTMENT DIAPHRAGM.

FLASHING STAINLESS STEEL

THE BID ITEM "FLASHING STAINLESS STEEL" SHALL INCLUDE PROVIDING AND INSTALLING THE STAINLESS STEEL FLASHING AND 3/16" AND 1/4" CONCRETE SCREWS, SILICONE CAULK, AND CLEANING THE EDGE OF DECK PRIOR TO PLACEMENT.

CLEAN, REALIGN, AND RETIE -

EXISTING REINFORCING STEEL.

CONCRETE SURFACE REPAIR ALONG BOTH EDGES OF DECK, ALONG BOTTOM OF DECK

FLASHING TO BE INSTALLED AFTER PROTECTIVE SURFACE TREATMENT APPLICATION.

THE FLASHING IS TO BE A CONSTANT HEIGHT BASED ON THE THINNEST SLAB DEPTH OVER THE BRIDGE LENGTH.

PROVIDE 2" MINIMUM FLASHING OVERLAP, FASTEN WITH 3/16" X 1 3/4" (MIN.) CONCRETE

63'-2" BACK TO BACK OF ABUTMENTS

61'-7" END TO END OF DECK

STA. 169+43.00

ABUTMENT

€ BEARING SOUTH

DATE: 09/24/2021

SHEET 1 OF 1

ASN

I.D. 5130-05-33

(VARIES) ±1071.5 N. ABUT. ELEV -(VARIES) ±1071.9 WATER ELEV. ±1064.4 - STREAMBED ELEV. ±1062.8

S. ABUT. ELEV.

FTG. ELEV. ±1055.29

PLAN

SINGLE SPAN STEEL GIRDER

ELEVATION

FTG. ELEV. ±1055.7

LIST OF DRAWINGS 1. GENERAL PLAN

STRUCTURE DESIGN CONTACTS

BILL OF BARS MARK S401

BRIDGE OFFICE CONTACT AARON BONK, P.E.

CONSULTANT CONTACT DYLAN MUSGJERD, P.E. (608) 789-2034

- € STH 131

STA. 154+91.93 € NORTH

ABUTMENT BEARING

· 3/16" X 1 3/4" (MIN.)

AT 2'-0"

3/4"

≢

4 3/4"

CONCRETE SCREWS SPACED

TYPICAL BOTH EDGES OF DECK.

FLASHING STAINLESS STEEL

REHABILITATION FLASHING DETAIL

EXTEND FLASHING TO B.F. OF ABUTMENT DIAPHRAGM.

AND CLEANING THE EDGE OF DECK PRIOR TO PLACEMENT.

TOTAL ESTIMATED QUANTITIES B-41-136 BID ITEM NO. BID ITEMS 203.0211.S ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-41-136 DEBRIS CONTAINMENT OVER WATERWAY B-41-136 203.0335 502.3200 PROTECTIVE SURFACE TREATMENT 505.0400 BAR STEEL REINFORCEMENT HS STRUCTURES 509.1500 CONCRETE SURFACE REPAIR SPV.0060.01 RESEAL RAILING POST CONNECTIONS SPV.0090.01 FLASHING STAINLESS STEEL SPV.0090.02 RESEAL ABUTMENT - DIAPHRAGM JOINTS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

DIRECTED BY THE ENGINEER. THESE ACTIONS WILL BE PART OF THE RESEAL ABUTMENT - DIAPHRAGM JOINTS BID ITEM (SPV.0090.02).

RE-CAULK ALL RAILING BASE PLATES.

CONCRETE SCREWS SHALL BE 410 STAINLESS STEEL

CAULK SHALL BE NON-STAINING, GRAY NON-BITUMINOUS JOINT SEALER.

DESIGN DATA

LIVE LOAD: INVENTORY RATING: HS22

OPERATIONAL RATING: HS45 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS RATINGS TAKEN FROM HSIS 02/09/2022

TRAFFIC: A.A.D.T 2027 = 3070 A.A.D.T 2047 = 3410 DESIGN SPEED = 55 MPH

EXISTING STEEL RAILING

1/4" X 2 3/4" (MIN.)

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BOTTOM OF DECK -

CONCRETE SCREWS SPACED

RE-CAULK ALL RAILING BASE PLATES

TOP OF DECK

TYPE W. TO REMAIN

- EXISTING GIRDER

ORIGINAL PLANS PREPARED BY LA CROSSE OFFICE 201 MAIN STREET SUITE 1020 LA CROSSE, WI 54601 STATE OF WISCONSIN DEPARTMENT OF 11/21/22 CHIEF STRUCTURES DESIGN ENGINEER

STRUCTURE B-41-136

STH 131 OVER KICKAPOO RIVER MONROF WILTON DESIGN SPE REHABILITATION N/A DESIGNED DESIGNED DRAWN
BY JRM CK'D DCM BY

GENERAL PLAN

MINSCONSW THINITING ST E-48208 WISC. Java ALESVILLEY 8/30/2022

FLASHING TO BE INSTALLED AFTER PROTECTIVE SURFACE TREATMENT APPLICATION.

CONCRETE SURFACE REPAIR ALONG BOTH EDGES OF DECK, ALONG BOTTOM OF DECK

THE FLASHING IS TO BE A CONSTANT HEIGHT BASED ON THE THINNEST SLAB DEPTH OVER

THE BID ITEM "FLASHING STAINLESS STEEL" SHALL INCLUDE PROVIDING AND INSTALLING THE STAINLESS STEEL FLASHING AND 3/16" AND 1/4" CONCRETE SCREWS, SILICONE CAULK,

CLEAN, REALIGN, AND RETIE -

1' 0" WIDTH TYP, 6 3/4" MINIMUM

EXISTING REINFORCING STEEL. LIMITS OF CONCRETE SURFACE REPAIR -

PROVIDE 2" MINIMUM FLASHING OVERLAP, FASTEN WITH 3/16" X 1 3/4" (MIN.) CONCRETE SCREWS.

ELEVATION

78'-10 3/8" BACK TO BACK OF ABUTMENTS

75'-0" END TO END OF DECK

PLAN

SINGLE SPAN CONCRETE GIRDER

ELEV. ±1059.82 -

ELEV. ±1057.32

- STREAMBED ELEV. ±1052.0

12, NG 12,

- ELEV. ±1059.27

► ELEV. ±1056.77

WATER ELEV. ±1053.9

STA. 154+19.93 € SOUTH

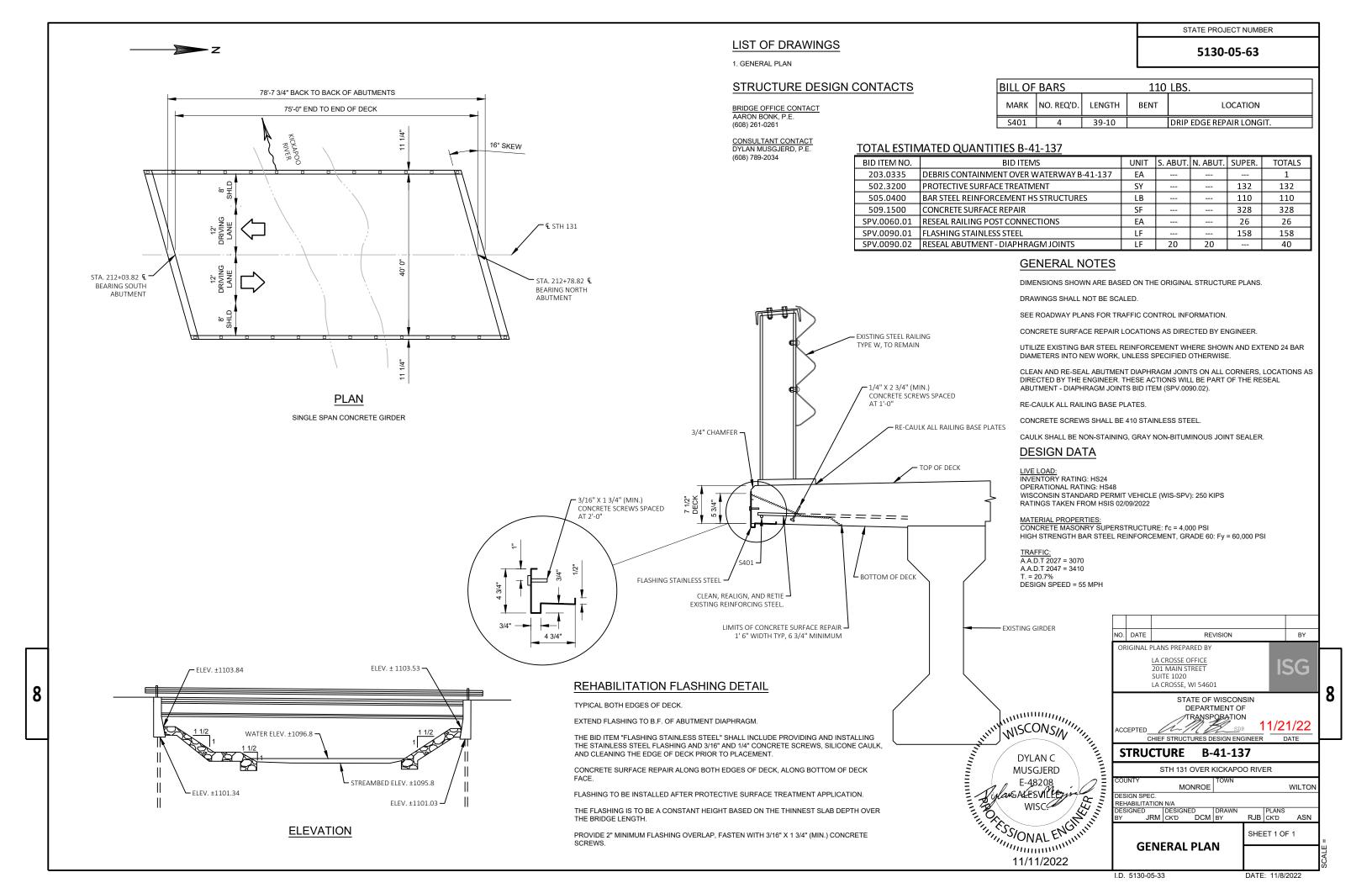
ABUTMENT BEARING

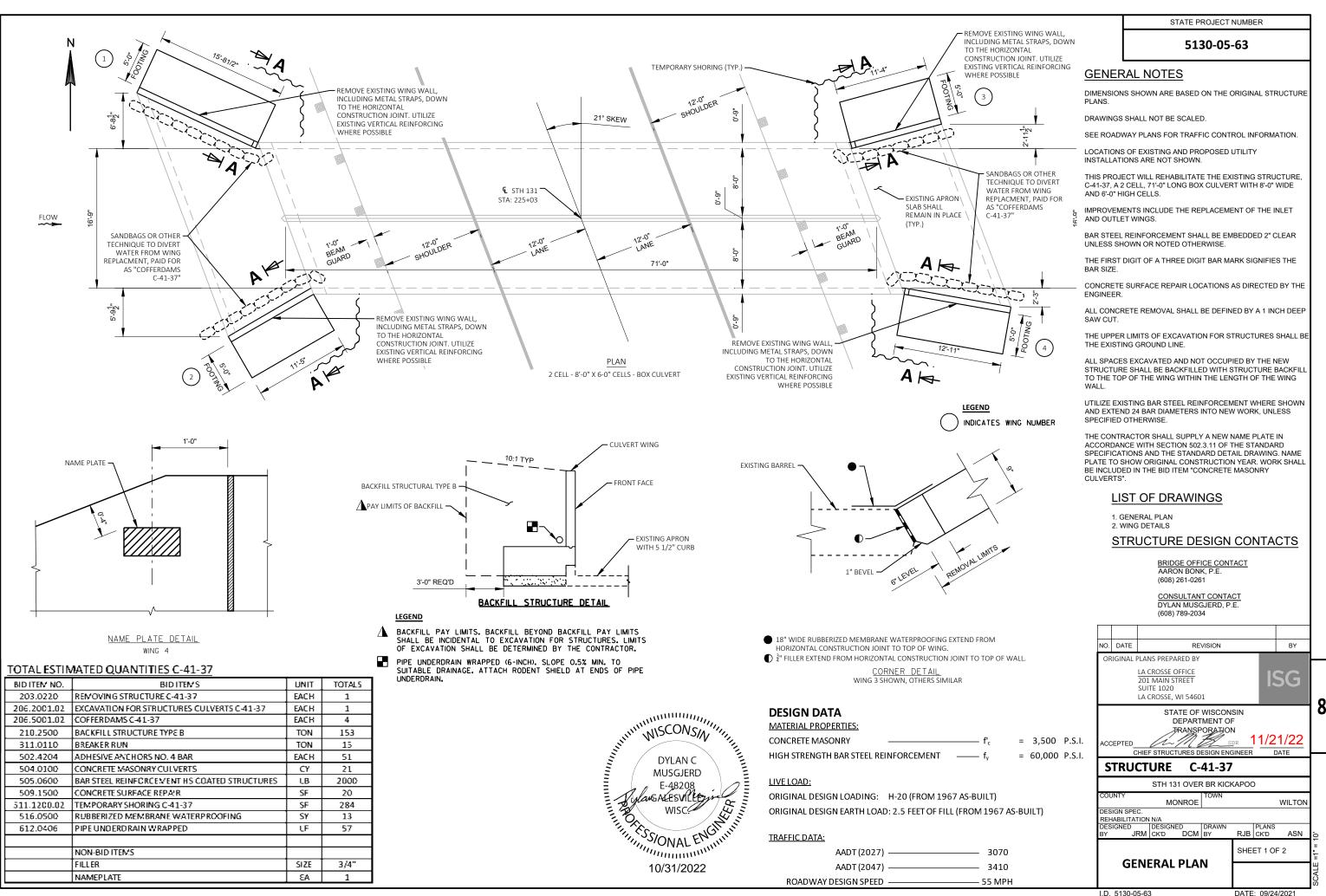
I.D. 5130-05-33

DATE: 09/24/2021

SHEET 1 OF 1

ASN





DATE: 09/24/2021

5130-05-63

MARK	NO. REQ'D.	LENGTH	BENT	SERIES	LOCATION
C501	2	15'-10"			WING 1 HORIZ. BOTH FACES
C502	2	11'-9"			WING 2 HORIZ. BOTH FACES
C503	2	11'-8"			WING 3 HORIZ, BOTH FACES
C504	2	13'-2"			WING 4 HORIZ, BOTH FACES
C405	Б	5'-11"		A	WING 1 HORIZ. BOTH FACES
C406	6	4'-4"		4	WING 2 HORIZ. BOTH FACES
C407	6	4'-4"		4	WING 3 HORIZ. BOTH FACES
C408	-6	4'-11"		•	WING 4 HORIZ, BOTH FACES
C409	12	3'-8"		•	WING 1 VERT. FRONT FACE
C410	9	3'-8"		•	WING 2 VERT. FRONT FACE
C411	9	3'-8"		4	WING 3 VERT. FRONT FACE
C412	10	31-8"		4	WING 4 VERT, FRONT FACE
C613	16	4'-7"	1'-0"	*	WING 1 VERT. BACK FACE
C614	11	4'-7"	1'-0"	4	WING 2 VERT. BACK FACE
C615	11	4'-7"	1'-0"	•	WING 3 VERT. BACK FACE
C616	13	41-7"	1'-0"	A	WING 4 VERT. BACK FACE
C517	103	6'-3"	1'-1"		WING FOOTING
C418	14	15'-2"			WING 1 FOOTING
C419	14	10'-11"			WING 2 FOOTING

EPOXY COAT ALL BAR STEEL REINFORCEMENT.

10'-10"

12'-5"

5'-5"

1'-4"

- THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED
- ${\color{blue}\blacktriangle}$ Length shown for Bar is an average length and should only be used for Bar weight CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS

 	5'-0" 0'-9"
PIPE UNDERDRAIN WRAPPED, 6-INCH	0'-41/2" BOTTOM OF FOOTING C422 @ 12" WING 1 = 15 SPACES WING 2 = 10 SPACES WING 3 = 10 SPACES

SECTION A-A THRU WING

TOP OF EXISTING APRON SLAB BOTTOM OF EXISTING APRON SLAB

9 EQUAL SPA. = 12'-5" C412 - FF 12 EQUAL SPA. = 12'-5" C616, C423 - BF
26"
TOP OF EXISTING CURB TOP OF EXISTING APRON SLAB BOTTOM OF EXISTING APRON SLAB
BILL OF BARS (COATED)

C420

C421

C422

C423

14

51

	BAR SERIES TABLE							
	BAR MARK	NO. REQ'D.	LENGTH					
	C405	2 SERIES OF 3	0'-4" TO 11'-6"					
	C406	2 SERIES OF 3	0'-3" TO 8'-3"					
	C407	2 SERIES OF 3	0'-3" TO 8'-3"					
	C408	2 SERIES OF 3	0'-3" TO 9'-5"					
	C409	1 SERIES OF 12	1'-7" TO 5'-8"					
	C410	1 SERIES OF 9	1'-7" TO 5'-8"					
	C411	1 SERIES OF 9	1'-7" TO 5'-8"					
	C412	1 SERIES OF 10	1'-7" TO 5'-8"					
	C613	1 SERIES OF 16	2'-6" TO 6'-7"					
	C614	1 SERIES OF 11	2'-6" TO 6'-7"					
	C615	1 SERIES OF 11	2'-6" TO 6'-7"					
	C616	1 SERIES OF 13	2'-6" TO 6'-7"					
,000	,000 LBS.							
AR								
RIES	LOCATION							
	١	WING 1 HORIZ. E	OTH FACES					
	1	WING 2 HORIZ. B	OTH FACES					

WING 3 FOOTING

WING 4 FOOTING

WING FOOTING

HORZ, CONST, JOINT DOWEL

@ 18" FACES C407 BOTH F TOP OF FOOTING TOP OF EXISTING APRON SLAB WING 3 FF ► BOTTOM OF EXISTING APRON SLAB

TOP OF EXISTING CURB -TOP OF EXISTING APRON SLAB WING 1 FF BOTTOM OF EXISTING APRON SLAB

8 EQUAL SPA. =10'-11" C410 - FF 10 EQUAL SPA. = 10-11" C614, C423 - BF

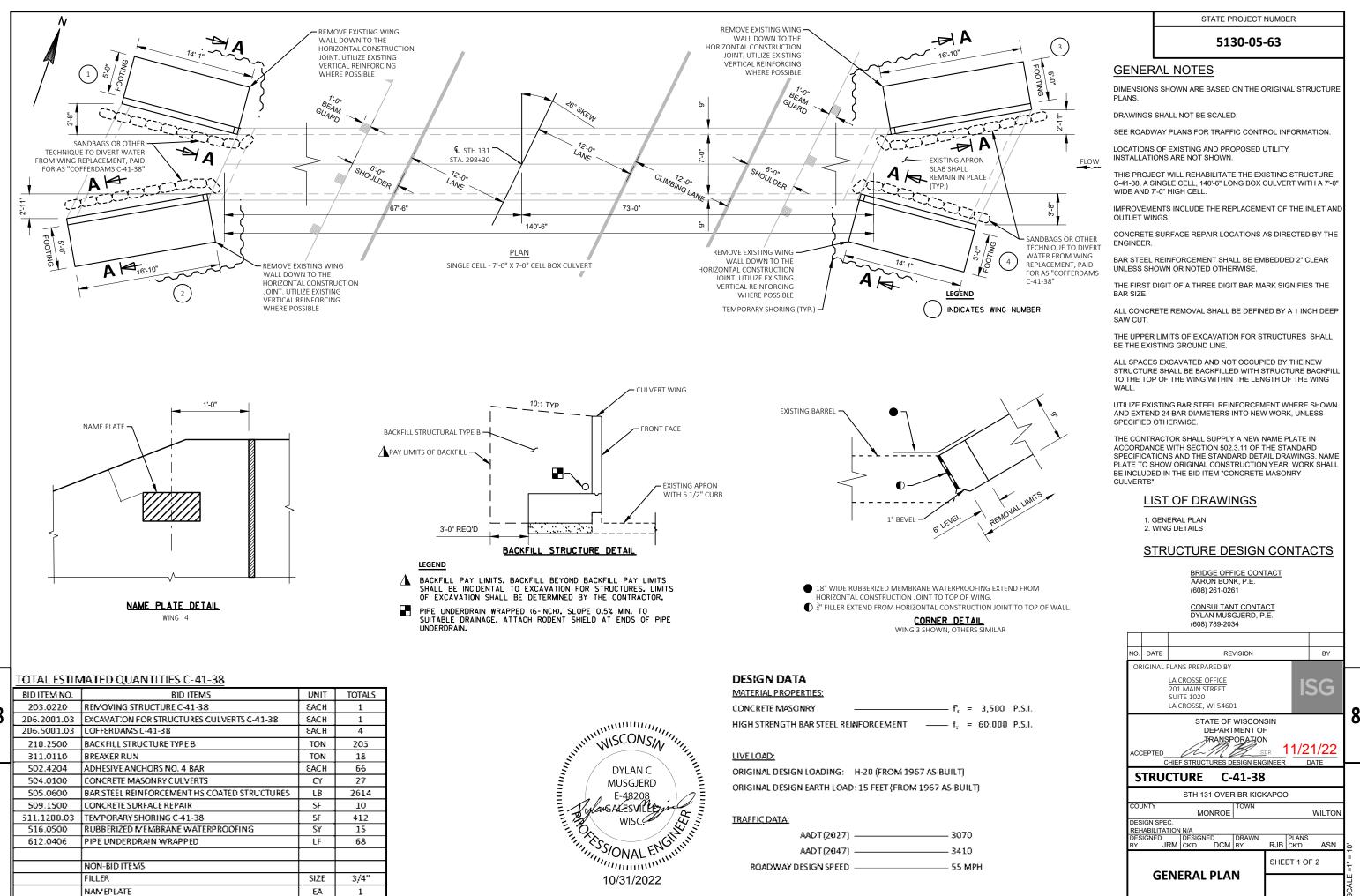
WING 2 FF

11 EQUAL SPA. = 15'-2 1/2" C409 - FF 15 EQUAL SPA. = 15'-2 1/2" C613, C423 - BF

8 EQUAL SPA. = 10'-10" C411 - FF 10 EQUAL SPA. = 10'-10" C615, C423 - BF

8

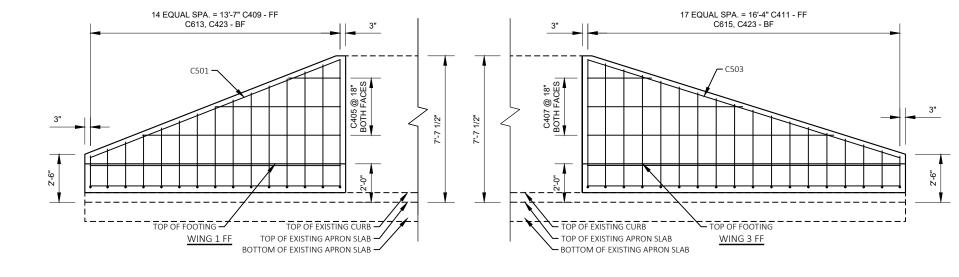
NO. DATE REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE C-41-37 PLANS RJB CK'D ASN SHEET 2 OF 2 WING DETAILS



I.D. 5130-05-63 DATE: 10/25/2022

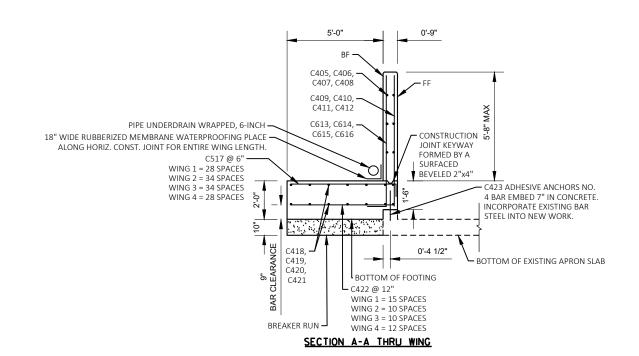


5130-05-63



2'-6"	C502 3" C502 3	3" C616, C423 - BF C504
	TOP OF FOOTING TOP OF EXISTING CURB WING 2 FF TOP OF EXISTING APRON SLAB BOTTOM OF EXISTING APRON SLAB	TOP OF EXISTING CURB TOP OF EXISTING APRON SLAB WING 4 FF BOTTOM OF EXISTING APRON SLAB

	BAR SERIES TABLE							
BAR MARK	NO. REQ'D.	LENGTH						
C405	2 SERIES OF 3	2'-11" TO 10'-11"						
C406	2 SERIES OF 3	3'-7" TO 13'-2"						
C407	2 SERIES OF 3	3'-7" TO 13'-2"						
C408	2 SERIES OF 3	2'-11" TO 10'-11"						
C409	1 SERIES OF 15	1'-7" TO 6'-8"						
C410	1 SERIES OF 18	1'-7" TO 6'-8"						
C411	1 SERIES OF 18	1'-7" TO 6'-8"						
C412	1 SERIES OF 15	1'-7" TO 6'-8"						
C613	1 SERIES OF 15	2'-6" TO 7'-7"						
C614	1 SERIES OF 18	2'-6" TO 7'-7"						
C615	1 SERIES OF 18	2'-6" TO 7'-7"						
C616	1 SERIES OF 15	2'-6" TO 7'-7"						

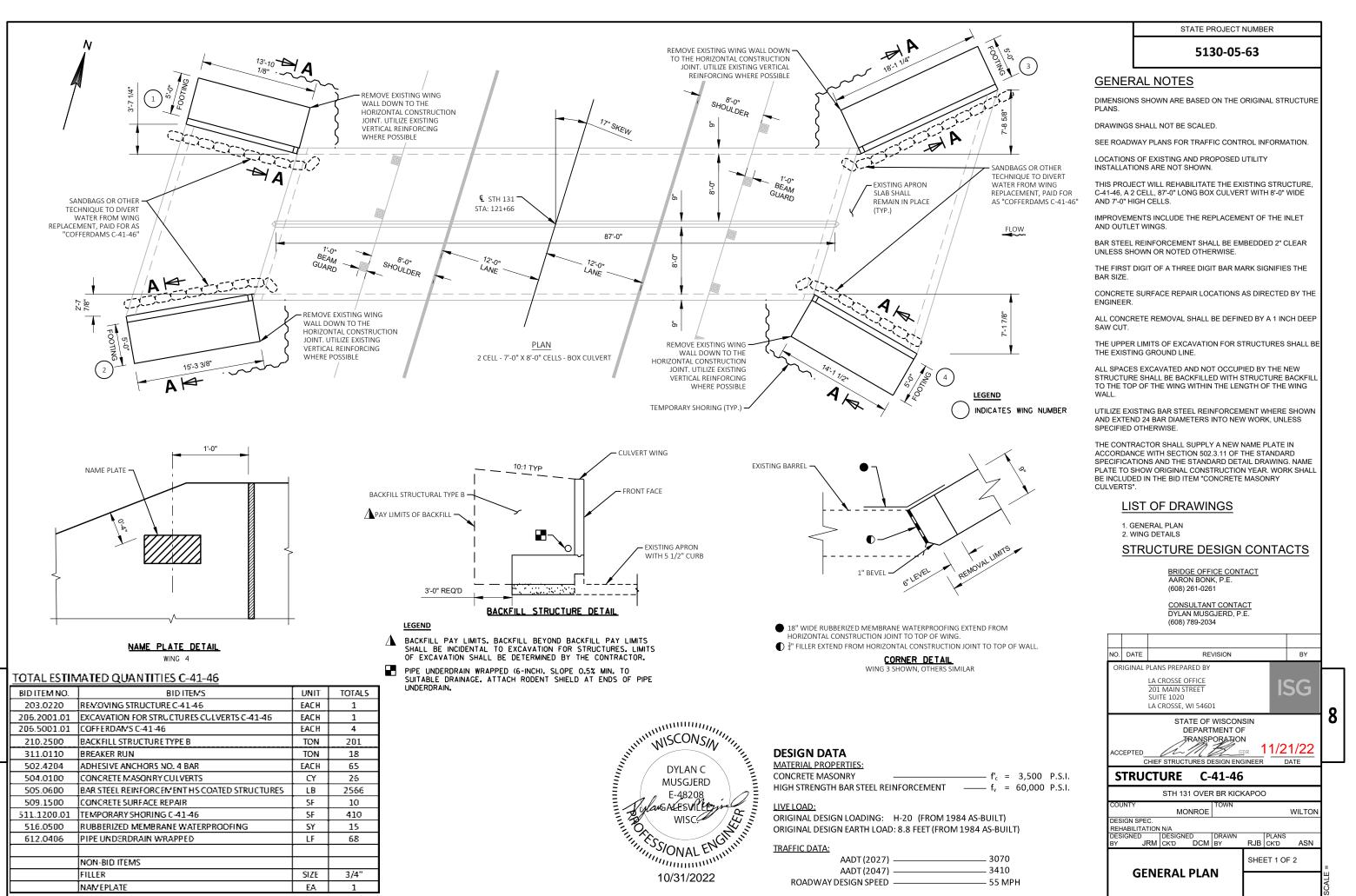


BILL OF	BARS (COATED)		2,614	LBS.
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
C501	2	14'-7"			WING 1 HORIZ. BOTH FACES
C502	2	17'-2"			WING 2 HORIZ. BOTH FACES
C503	2	17'-2"			WING 3 HORIZ. BOTH FACES
C504	2	14'-7"			WING 4 HORIZ. BOTH FACES
C405	6	6'-11"		A	WING 1 HORIZ. BOTH FACES
C406	6	8'-5"		A	WING 2 HORIZ. BOTH FACES
C407	6	8'-5"		A	WING 3 HORIZ. BOTH FACES
C408	б	6'-11"		A	WING 4 HORIZ. BOTH FACES
C409	15	4'-2"		A	WING 1 VERT. FRONT FACE
C410	18	4'-2"		A	WING 2 VERT, FRONT FACE
C411	18	4'-2"		A	WING 3 VERT, FRONT FACE
C412	15	4'-2"			WING 4 VERT, FRONT FACE
C613	15	5'-1"	1'-0"	•	WING 1 VERT. BACK FACE
C614	18	5'-1"	1'-0"	A	WING 2 VERT. BACK FACE
C615	18	5'-1"	1'-0"		WING 3 VERT. BACK FACE
C616	15	5'-1"	1'-0"	A	WING 4 VERT. BACK FACE
C517	124	6'-3"	1'-1"		WING FOOTING
C418	14	13'-6"			WING 1 FOOTING
C419	14	16'-9"			WING 2 FOOTING
C420	14	16'-4"			WING 3 FOOTING
C421	14	13'-9"			WING 4 FOOTING
C422	66	5'-5"			WING FOOTING
C423	66	1'-4"			HORZ. CONST. JOINT DOWEL

- EPOXY COAT ALL BAR STEEL REINFORCEMENT.
- THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED
- ▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS

					1	
NO.	DATE		REVISION		BY	
			ATE OF WISCONS ENT OF TRANSPO			
s	TRU	CTURE	C-41-38	3		
			DRAWN BY	PLAN: RJB CK'D	S ASN	2
		INC DE	FALLC	SHEET 2 (OF 2	=======================================
	W	ING DET	IAILS			SCALE

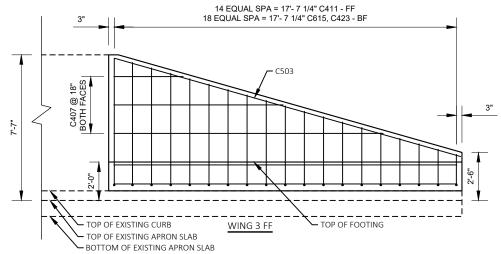
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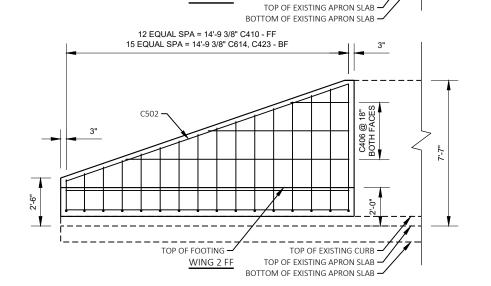


DATE: 10/24/2022

I.D. 5130-05-63

5130-05-63



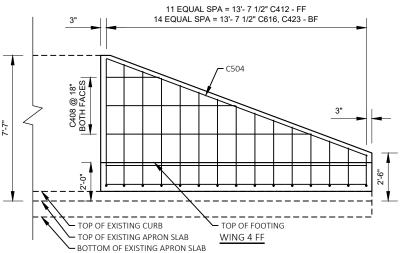


11 EQUAL SPA = 13'-4 1/8" C409 - FF 14 EQUAL SPA = 13'-4 1/8" C613, C423 - BF

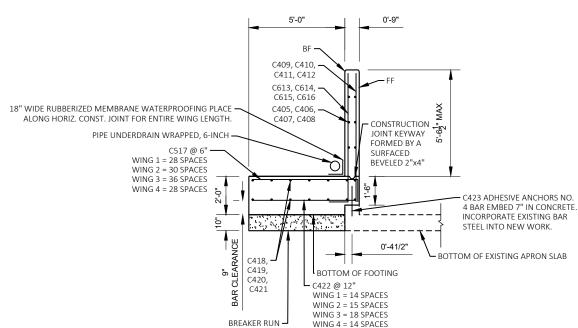
C501 -

WING 1 FF

TOP OF FOOTING



E	BAR SERIES TABLE							
BAR MARK	NO. REQ'D.	LENGTH						
C405	2 SERIES OF 3	2'-10" TO 10'-9"						
C406	2 SERIES OF 3	3'-2"TO 11'-11"						
C407	2 SERIES OF 3	3'-9" TO 14'-2"						
C408	2 SERIES OF 3	2'-11" TO 10'-11"						
C409	1 SERIES OF 12	1'-7" TO 6'-8"						
C410	1 SERIES OF 13	1'-7" TO 6'-8"						
C411	1 SERIES OF 15	1'-7" TO 6'-8"						
C412	1 SERIES OF 12	1'-7" TO 6'-8"						
C613	1 SERIES OF 15	2'-6" TO 7'-7"						
C614	1 SERIES OF 16	2'-6" TO 7'-7"						
C615	1 SERIES OF 19	2'-6" TO 7'-7"						
C616	1 SERIES OF 15	2'-6" TO 7'-7"						



TOP OF EXISTING CURB

BILL OF	BARS (0	COATED)		2,566	LBS.
MARK	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
C501	2	14'-4"			WING 1 HORIZ. BOTH FACES
C502	2	15'-8"			WING 2 HORIZ. BOTH FACES
C503	2	18'-4"			WING 3 HORIZ. BOTH FACES
C504	2	14'-8"			WING 4 HORIZ. BOTH FACES
C405	б	6'-10"		A	WING 1 HORIZ. BOTH FACES
C406	6	7'-7"		A	WING 2 HORIZ. BOTH FACES
C407	6	9'-0"			WING 3 HORIZ. BOTH FACES
C408	6	6'-11"		A	WING 4 HORIZ. BOTH FACES
C409	12	4'-2"		A	WING 1 VERT. FRONT FACE
C410	13	4'-2"		A	WING 2 VERT. FRONT FACE
C411	15	4'-2"		A	WING 3 VERT, FRONT FACE
C412	12	4'-2"			WING 4 VERT, FRONT FACE
C613	15	5'-1"	1'-0"	A	WING 1 VERT. BACK FACE
C614	16	5'-1"	1'-0"	A	WING 2 VERT. BACK FACE
C615	19	5'-1"	1'-0"	A	WING 3 VERT. BACK FACE
C616	15	5'-1"	1'-0"	A	WING 4 VERT, BACK FACE
C517	126	6'-3"	1'-1"		WING FOOTING
C418	14	13'-8"			WING 1 FOOTING
C419	14	14'-9"			WING 2 FOOTING
C420	14	17'-7"			WING 3 FOOTING
C421	14	13'-7"			WING 4 FOOTING
C422	65	5'-5"			WING FOOTING
C423	65	1'-4"			HORZ. CONST. JOINT DOWEL
	ED 0141001	TALL DAD CT			

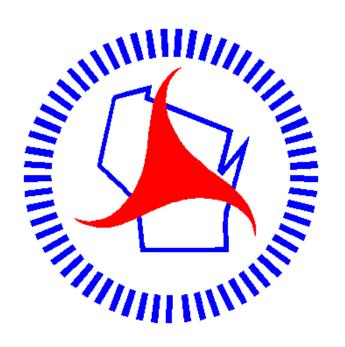
- EPOXY COAT ALL BAR STEEL REINFORCEMENT.
- THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED BAR
- ▲ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS

						ı					
NO.	DATE		RF	VISION		BY					
110.	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION										
S	STRUCTURE C-41-46										
				DRAWN BY	PLANS RJB CK'D	ASN					
		INC DE	SHEET 2 OF 2								
WING DETAILS											

8

WING 3 = 18 SPACES WING 4 = 14 SPACES

SECTION A-A THRU WING



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov