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R-2-W

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R-1-W

COUNTY: MONRO

LAX

PROJECT WITH: N/A

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PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\010101-TI.DWG

FIBER OPTIC

SANITARY SEWER

STORM SEWER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

TELEPHONE

WATER

GAS

LAYOUT

TOTAL NET LENGTH OF CENTERLINE = 8.231 MI

2 MI

HONEYCOMB

SCALE I

KLUDY, KATHLEEN M PLOT NAME PLOT BY :

AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (2012).

MTI

BLUFF....!

MONROE COUNTY JUNEAU COUNTY

16 🖂

R-1-E

STATE PROJECT	FEDERAL PROJECT				
STATE PROJECT	PROJECT	CONTRACT			
7010-01-63	WISC 2023096	1			

Union Pacific Railroad Crossing 184072L

NET EXCEPTION TO CL LENGTH

END PROJECT

NET EXCEPTION TO CL LENGTH

STA. 423+84 - STA. 424+27

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM, MONROE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATION SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION						
PREPARED BY						
Surveyor	WISDOT					
Designer	KATHLEEN KLUDY P.E.					
Project Manager	PAUL M VALENTI P.E.					
Regional Examiner	SW REGION					
Regional Supervisor	REINY YAHNKE P.E.					
APPROVED FOR THE DEPART	MENT DA MA LA					
DATE: 7/28/22	Paul M Valent					
	(Signature)					

		GENERAL NOTES			STANDA
		CT AREA THAT ARE NOT SHOWN ON O DIGGERS HOTLINE AND/OR A DIREC	THE PLANS. THE CONTRACTOR SHALL COORDINATE T CALL TO THE UTILITIES THAT HAVE FACILITIES IN	AC AGG <	A CRE A GGREGA TE A NGLE
	APPLY TACK COAT AT A RATE OF 0.07 GAL/SY 1			AE, AEW	
				ASPH. A.D.T.	A SPHALTIC A VERAGE DAILY TRAFFIC
•	HMA PAVEMENT WEIGHT CALCULATIONS ARE BA	SED ON 112 LB/SY/IN.		A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC
•	THE CONTRACTOR'S PAVING OPERATIONS SHALI HMA LONGITUDINAL JOINTS FROM BEING LOCATE			B.F. BM	BACK FACE BENCHMARK
•	CONTRACTOR TO PROTECT GEODETIC SURVEY C FROM GEODETIC SURVEY CONTROL STATIONS .	ONTROL STATIONS AND KEEP CONST	RUCTION EQUIPMENT AT LEAST 10 FEET AWAY	BTWN CTR. C/L	BETWEEN CENTER CENTER LINE
•	ENSURE THAT GEODETIC SURVEY CONTROL STA NOTIFY JACOB ROCKWEILER IMMEDIATELY IF GEO CONSTRUCTION OPERATIONS.		OR MOVED DURING THE DURATION OF THE PROJECT. ARE DISTURBED, BUMPED OR MOVED DURING	Δ C.E. CONST. CMCP	CENTRAL ANGLE OR DELTA COMMERCIAL ENTRANCE CONSTRUCTION CORRUGATED METAL CULVERT PIPE
	JA COB ROCKWEILER, P.E., WISCONSIN HEIGHT MO WHOSE PHONE NUMBER IS (608) 516-6362 AND E		MTH WISONSIN DEPARTMENT OF TRANSPORTATION 1.GOV.	CMP CO. CTH	CORRUGA TED META L PIPE COUNTY
•	EXACT LOCATIONS FOR REMOVING DISTRESSED	PAVEMENT MILLING SHALL BE DETER	MINED BY ENGINEER IN THE FIELD.	CR. CABC	COUNTY TRUNK HIGHWAY CREEK CRUSHED AGGREGATE BASE COURSE
	ORDER OF SECTION 2 SHEETS			CY CP C&G	CUBIC Y ARD CONTROL POINT OR CULVERT PIPE CURB AND GUTTER
	INERAL NOTES/WRITTEN MATERIAL			D	
	OJECT OVERVIEW			D.H.V. DIA.	DESIGN HOURLY VOLUME DIAMETER
	PICAL SECTIONS DNSTRUCTION DETAILS			D.D.	DIRECTIONAL DISTRIBUTION
	FERSECTION DETAILS			DISCH.	DISCHARGE
	VEMENT MARKING			DMS	DY NA MIC MESSA GE SIGN
				EA	EACH
				E	EA ST EA STBOUND
				ELEC.	ELECTRIC(AL), ELEC. CABLE
					. ELEVATION
				ESALS	EQUIVALENT SINGLE AXLE LOADS
				EXC.	EXCAVATION
				EXIST	EXISTING
				F.F.	FACE TO FACE
				FERT.	FERTILIZER
				F.E. F/L, F.L.	FIELD ENTRANCE FLOW LINE
				GALV.	GALVANIZE
				H.S.	HIGH STRENGTH
				CWT	HUNDRED WEIGHT
				INL	INLET
				INTER.	INTERSECTION
				IH	INTERSTATE HIGHWAY
				JT.	JOINT
				LT L.H.F.	LEFT LEFT HAND FORWARD
				L	LENGTH OF CURVE
				L.F.	LINEAR FOOT(FEET)
(OIF	CT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE	GENERAL NOTES	
				SLINENAL NOTES	

DARD ABBREVIATIONS

LC. LS M.P. MGAL N.C. N	LONG CHORD LUMP SUM MARKER POST 1000 GALLONS NORMAL CROWN NORTH
NB	NORTHBOUND
NOR NO.	NORMAL NUMBER
PAV'T	PAVEMENT
P.L.E.	PERMANENT LIMITED EASEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
PCC	
	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
P.L.	PROPERTY LINE
R Díl	RADIUS OR RANGE
R/L R.C.C.P.	REFERENCE LINE REINFORCED CONCRETE CULVERT PIPE
	REQUIRED
RT	RIGHT
R.H.F.	-
R/W	RIGHT OF WAY
RD.	ROAD
SHLD.	SHOULDER(S)
SHR.	SHRINKAGE
S	SOUTH
SB	SOUTHBOUND
S.F.	SQUARE FOOT (FEET)
SDD	STANDARD DETAIL DRAWING(S)
STH STA.	STATETRUNK HIGHWAY STATION
SIA. S.E.	SUPERELEVATION
S/L	SURVEY LINE
SYM	SYMMETRICAL
Т.	PERCENT TRUCKS
TEL.	TELEPHONE
TEMP.	TEMPORA RY
T.L.E.	TEMPORARY LIMITED EASEMENT
T.O.C.	TOP OF CURB
TYP	TYPICAL
UNCL.	
U.G. VAR	UNDERGROUND (CABLE) VARIABLE
VAR V.C.	VERTICAL CURVE
V.P.C.	VERTICAL POINT OF CURVATURE
V.P.I.	VERTICAL POINT OF INTERSECTION
V.P.T.	VERTICAL POINT OF TANGENCY
Wt.	WEIGHT
W	WEST
WB	WESTBOUND

SE

PLOT SCALE : 1 IN:100 FT

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DNR LIAISON

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

DESIGN CONTACTS

PAUL VALENTI PROJECT MANAGER WISDOT SW REGION - LA CROSSE 3550 MORMON COULEE RD LA CROSSE, WI 54601 (608) 785-9053 PAUL.VALENTI@DOT.W.GOV

KATHLEEN KLUDY PROJECT DESIGNER WISDOT SW REGION - LA CROSSE 3550 MORMON COULEE RD LA CROSSE, WI 54601 (608) 785-9948 KA THLEEN.KLUDY@DOT.W.GOV



UTILITY CONTACTS

KENNETH M. NINE AT&T LEGACY - COMMUNICATION LINE 110 N MAIN STREET CULVER, IN 46511 (574) 842-8830 knine@jmceainc.com

RICK PODOLAK AT&T WISCONSIN- COM MUNICATION LINE 4TH FLOOR 304 S DEWEY ST EAU CLAIRE, WI 54701 (715) 839-5565 rp4514@att.com

TOM MURRAY **CENTURYLINK - COMMUNICATION LINE** 333 N FRONT ST. LA CROSSE, WI 54601 (608) 787-7869 tom.l.murray@centurylink.com

RYAN LUCKEN CHARTER COMMUNICATIONS - COMMUNICATION LINE 1201 MCCANN DRIVE ALTOONA, WI 54720 (715) 833-7390 ryan.lucken@charter.com

MICHEAL LYDON DAIRYLAND POWER COOPERATIVE - ELECTRICITY P.O. BOX 817 LA CROSSE, WI 54602-0817 (608) 787-1381 Micheal.Lydon@DairylandPower.com

BEN GRILLEY 127 US HWY 12 P.O. Box 267 CAMP DOUGLAS, WI 54618 (608) 427-6515 Ben.Grilley@getlynxx.com

MATT RIGGS OAKDALE ELECTRIC COOPERATIVE - ELECTRICITY 489 OA KWOOD ST. TOMA H, WI 54660 (608) 372-8828 mriggs@oakdalerec.com

DAN HILLARD 849 EA RL ST. SAINT PAUL, MN 55106 (612) 217-3526 dan.j.hillard@t-mobile.com

KIRK A RITY TOMAH WATER UTILITY - WATER 819 SUPERIOR A VE TOMA H, WI 54660 (608) 374-7453 karity@tomahonline.com

TRAVIS KAHL WE ENERGIES - GAS/PETROLEUM 1921 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 (715) 421-7256 travis.kahl@we-energies.com

PROJECT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE		GENERAL NOTES	5		
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\020101-GN.DWG		PLOT DATE :	7/28/2022 10:55 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :	

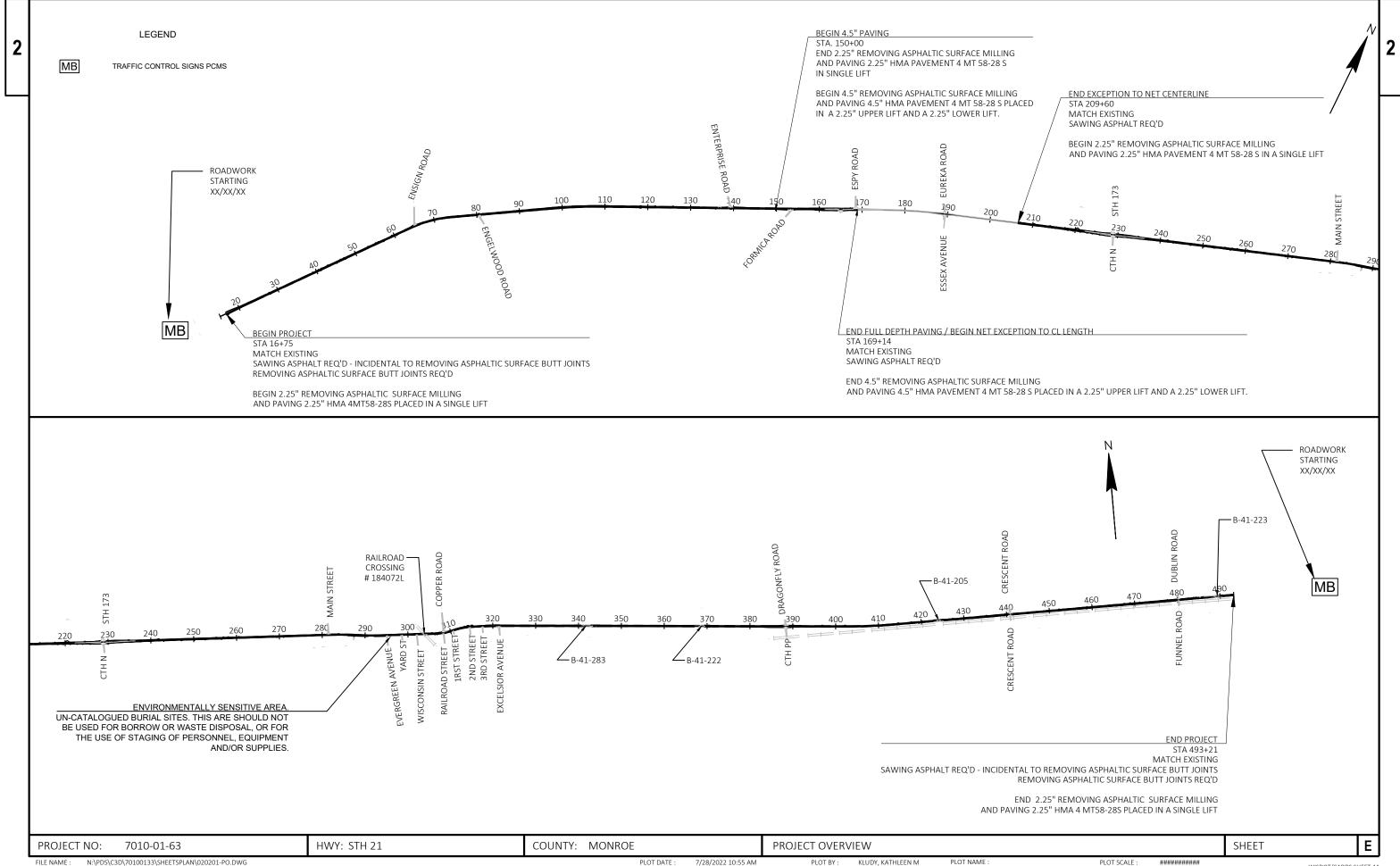
PLOT BY :

2

LEMONWER VALLEY TELEPHONE COMPANY - COMMUNICATION LINE

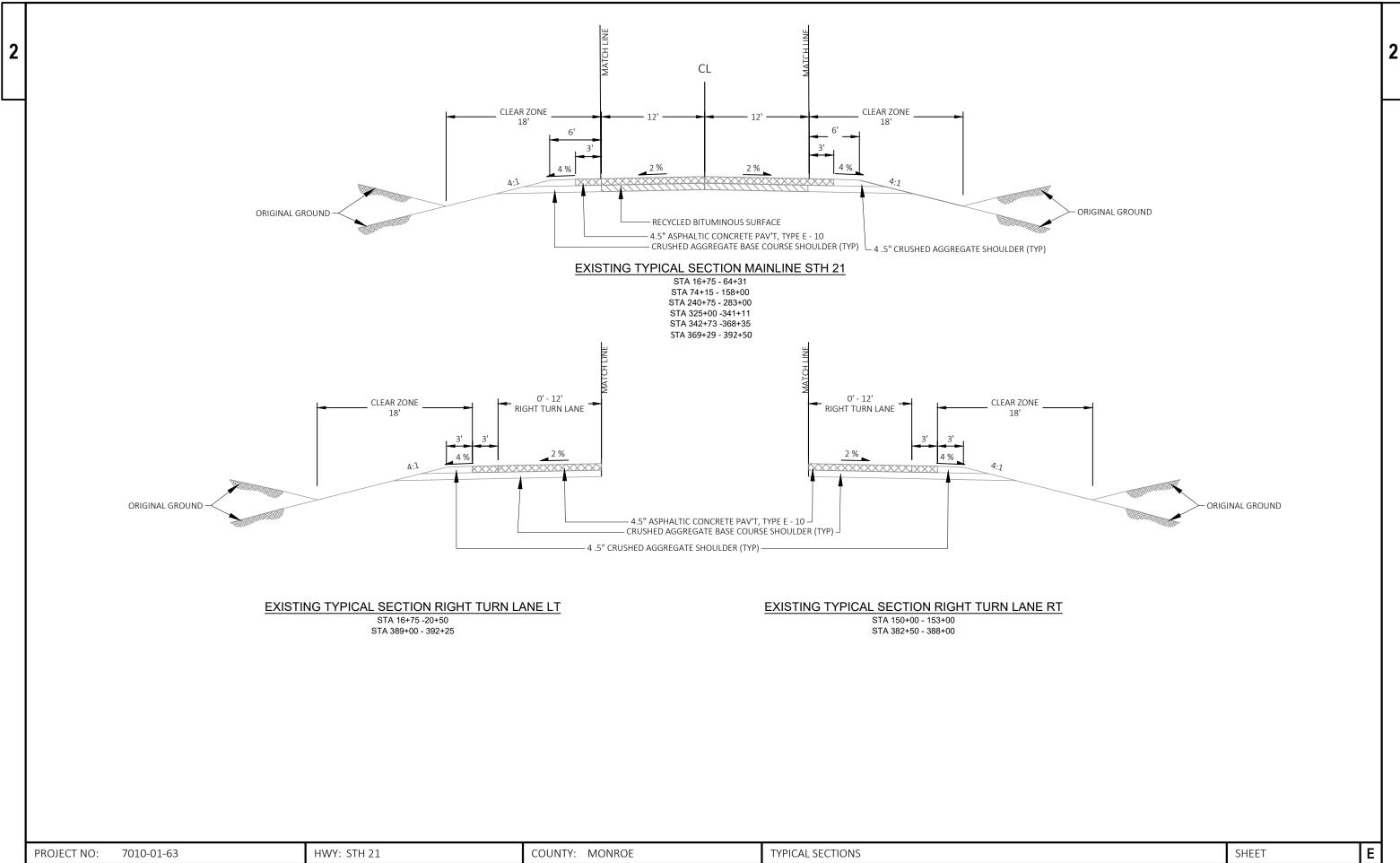
SPRINT COMMUNICATIONS CO LP - COMMUNICATION LINE

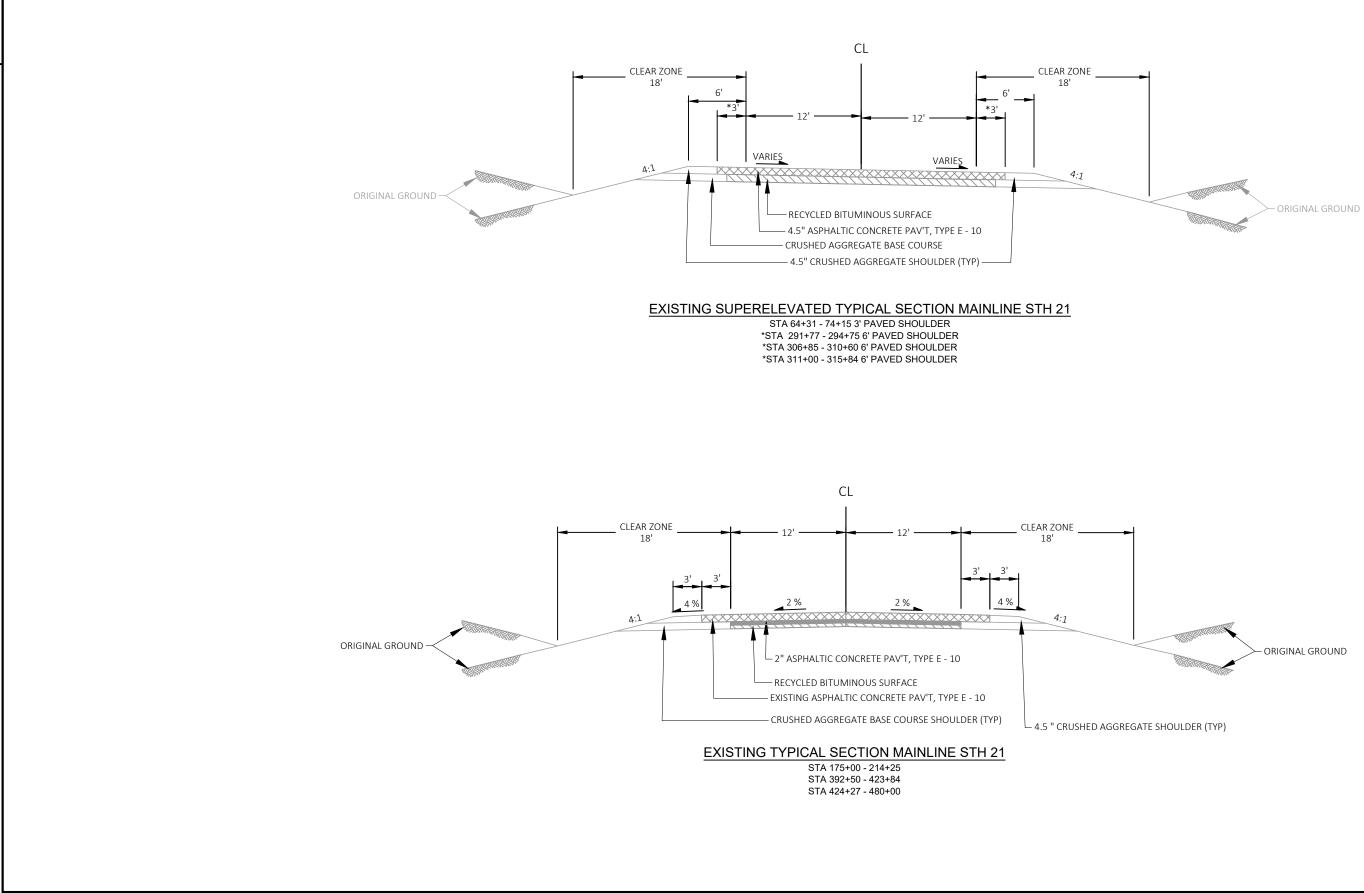
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LAYOUT NAME - 0202001-po

PLOT BY : KLUDY, KATHLEEN M



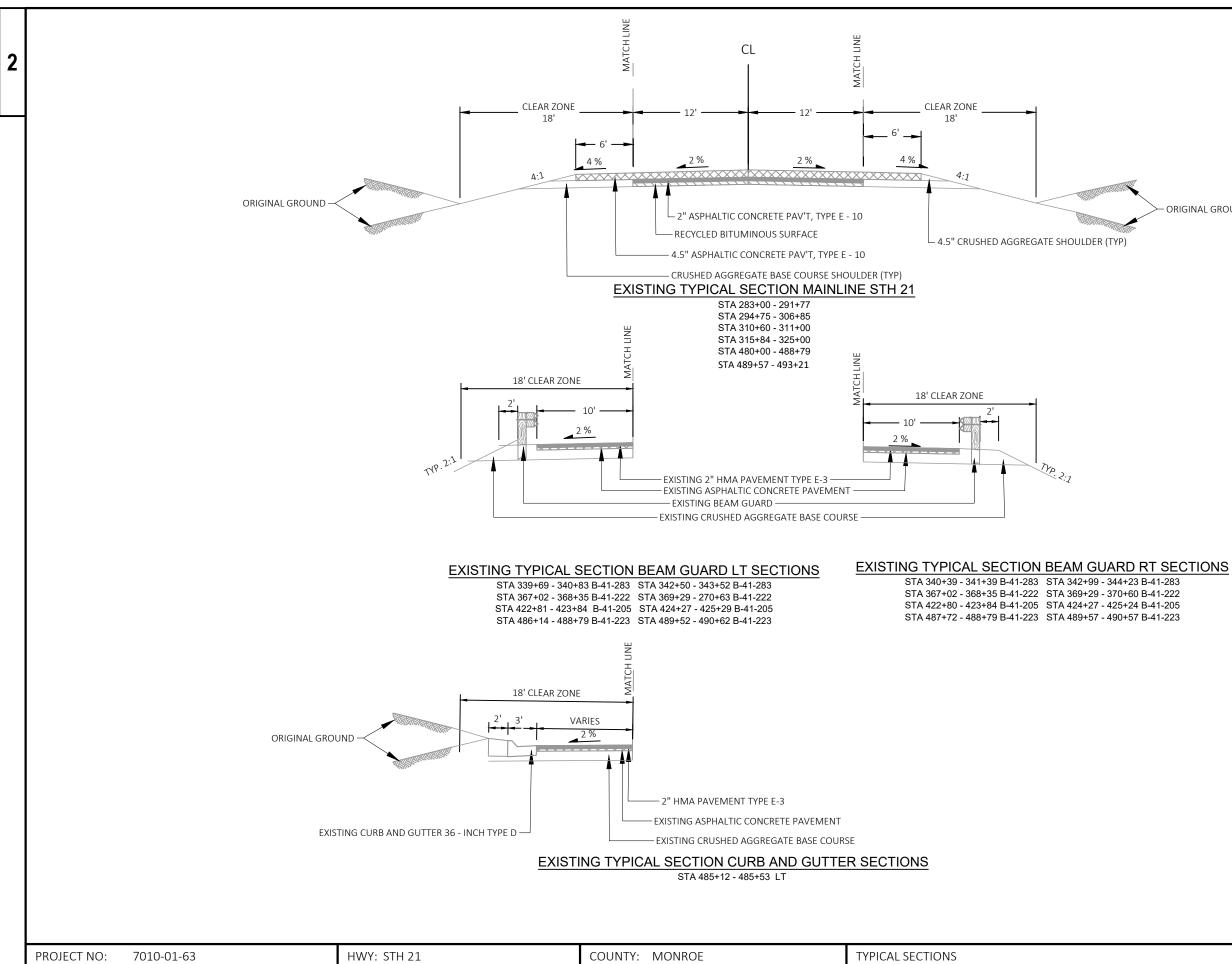


PROJECT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE	TYPICAL SECTIONS
FILE NAME · N·\PDS\C3D\70100133\SHEETSPLAN\020301-TS DWG		PLOT DATE · 7/28/2022 10:55 AM	PLOT BY KILLDY KATHLEEN M PLOT NAME :

2

PLOT SCALE : 1 IN:10 FT SHEET

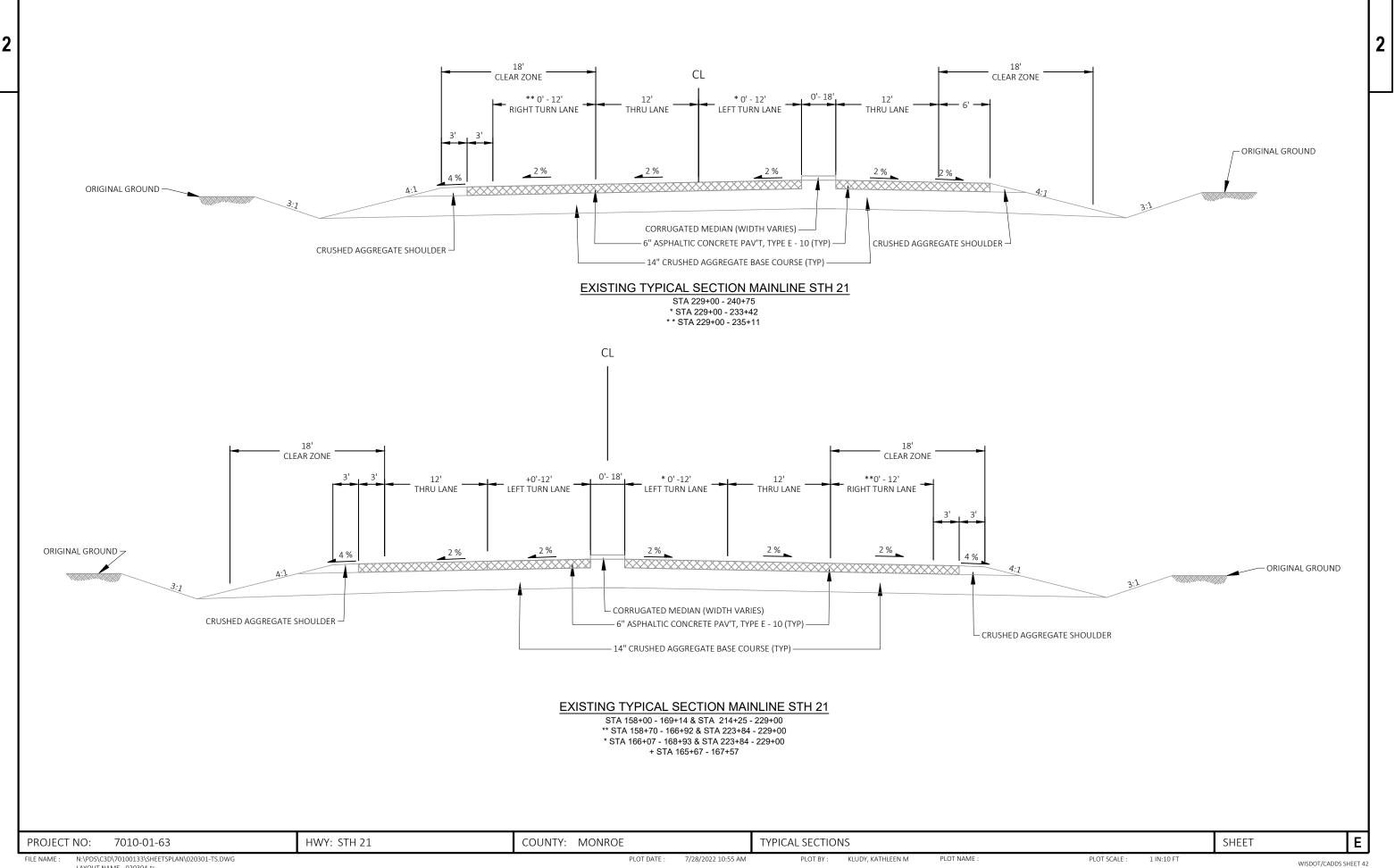
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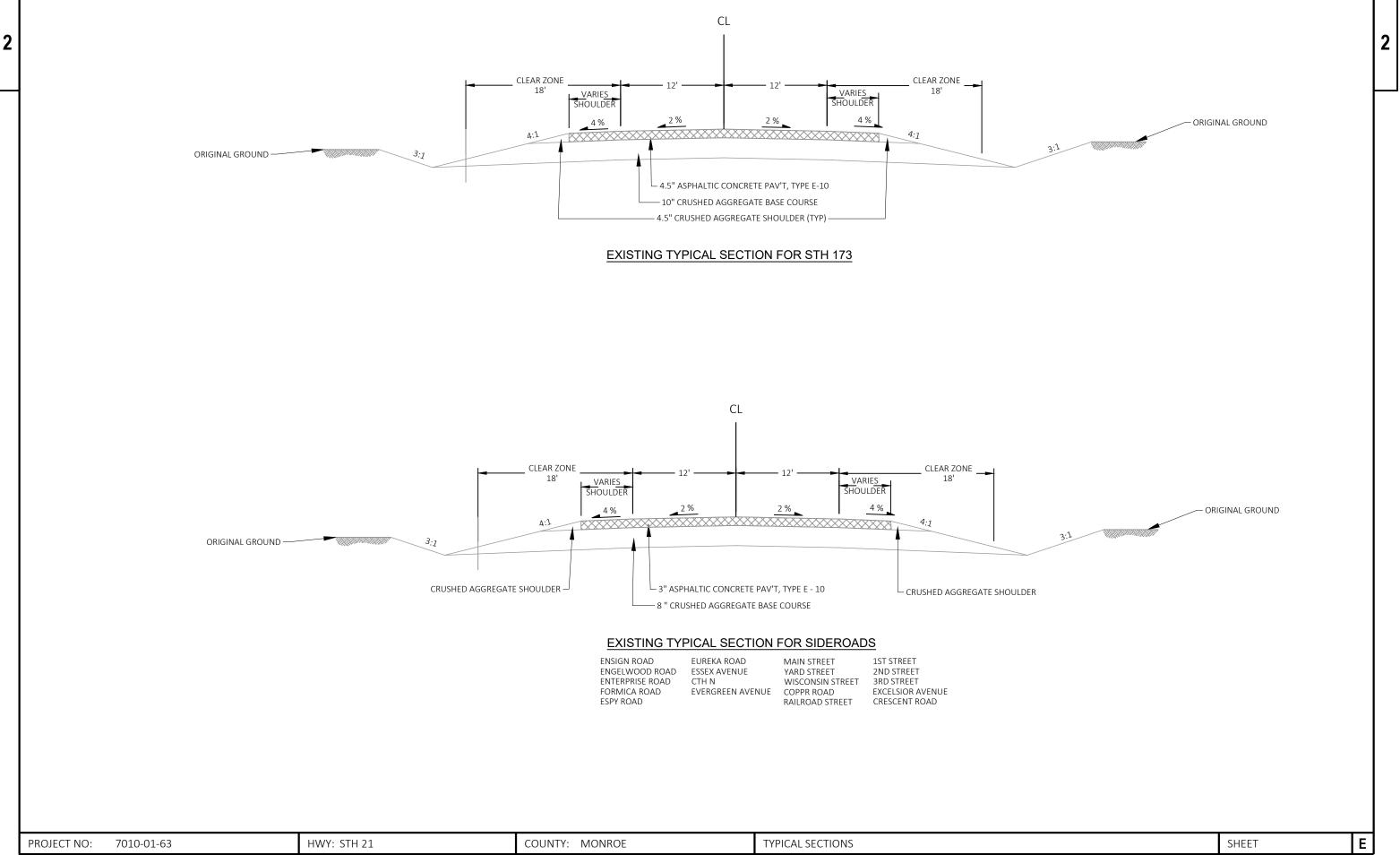
ORIGINAL GROUND

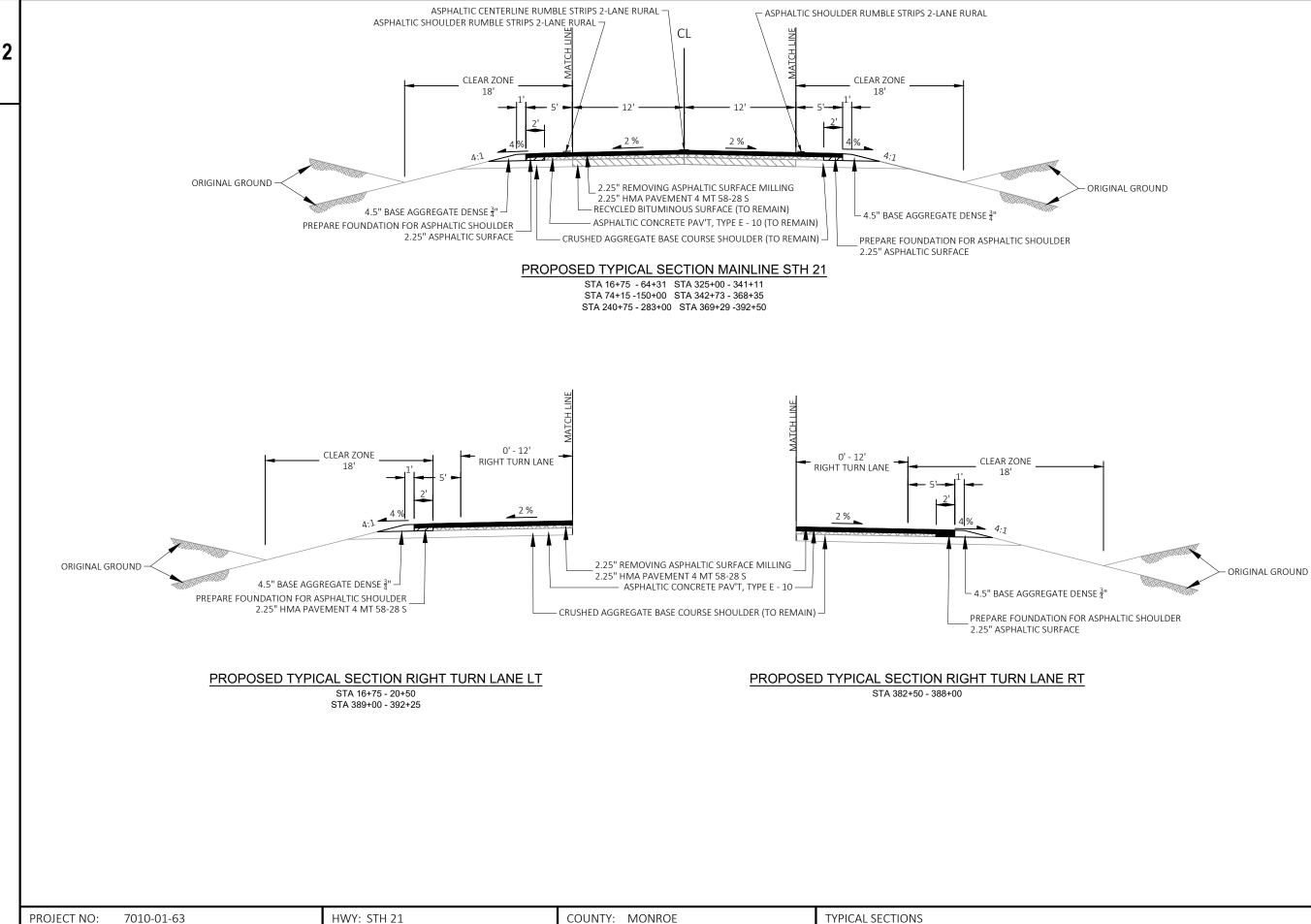
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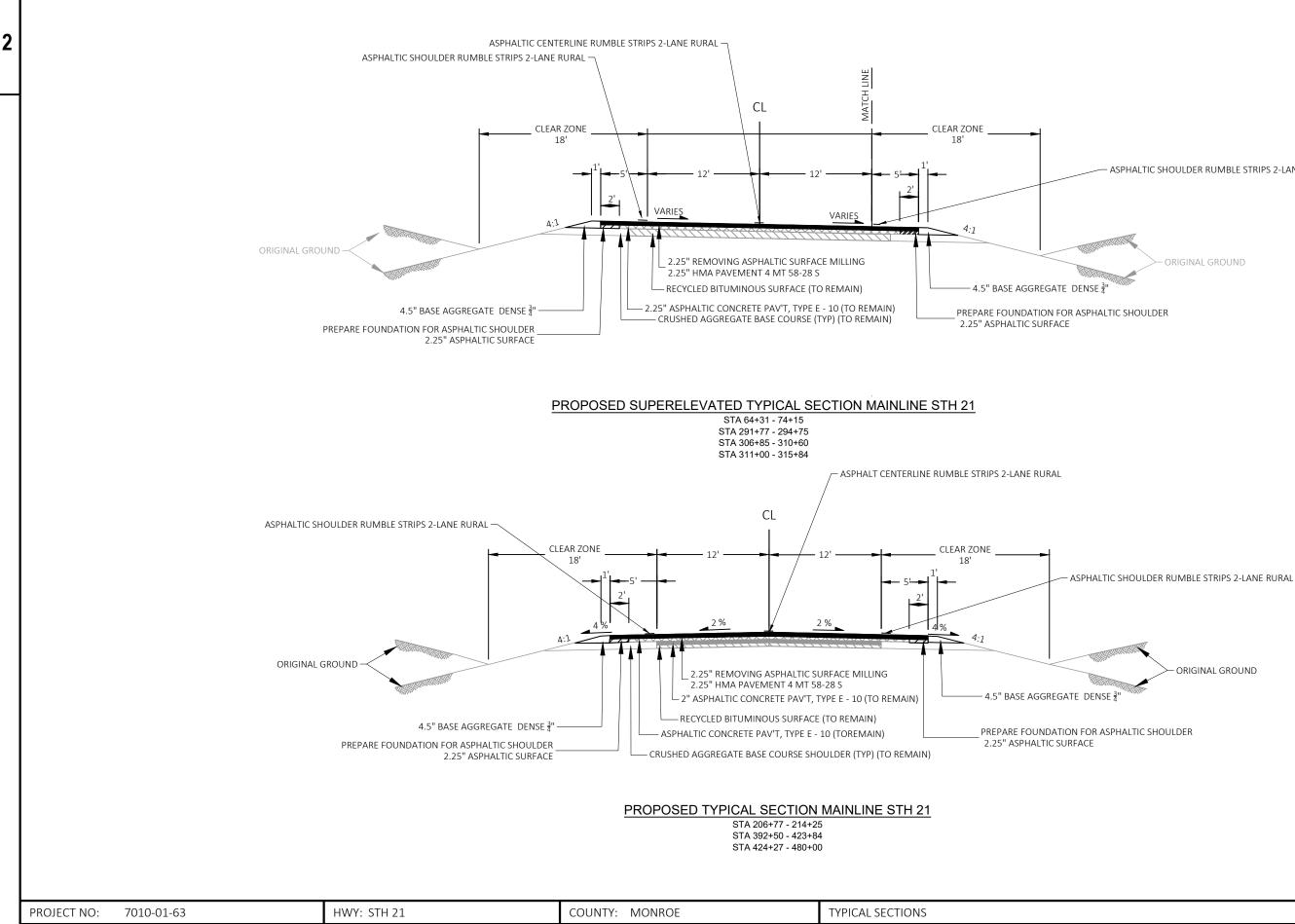


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	LAYOUT NAME - 020304-ts

PLOT DATE : 7/28/2022 10:55 AM PLOT BY : KLUDY, KATHLEEN M



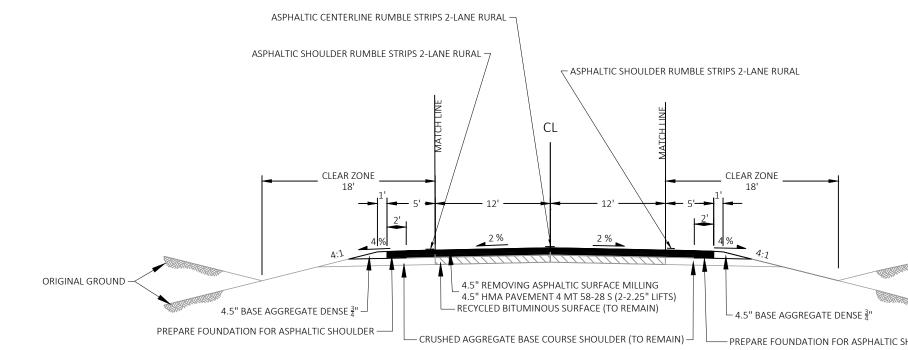




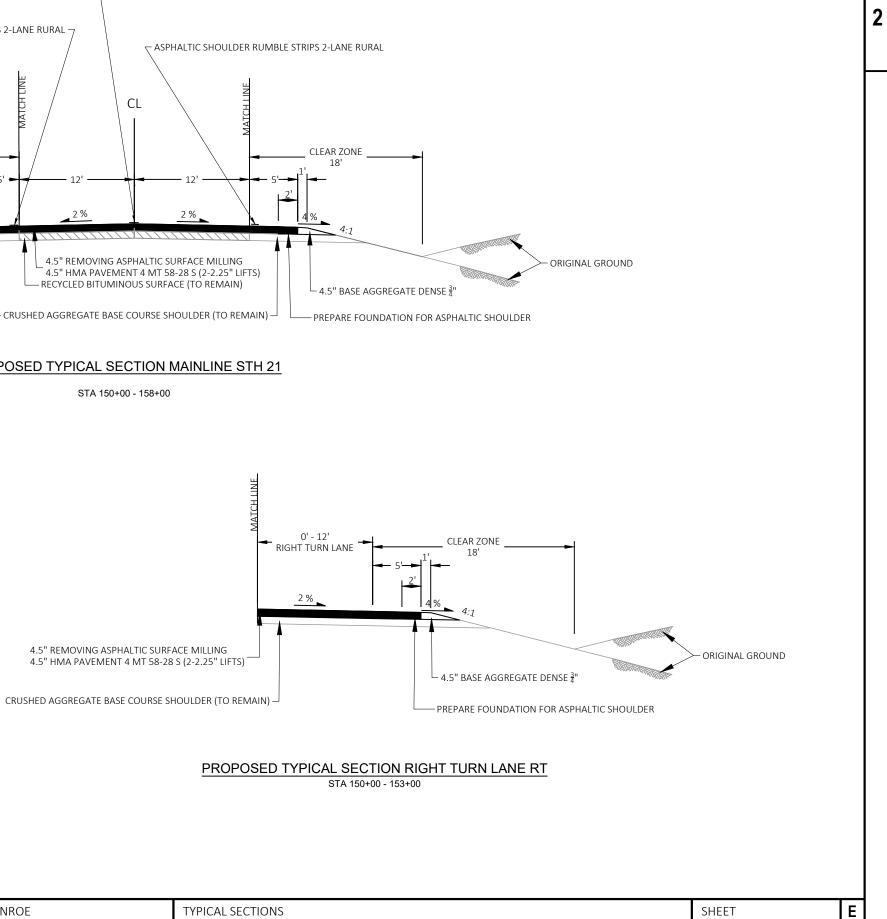
ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL

SHEET

2

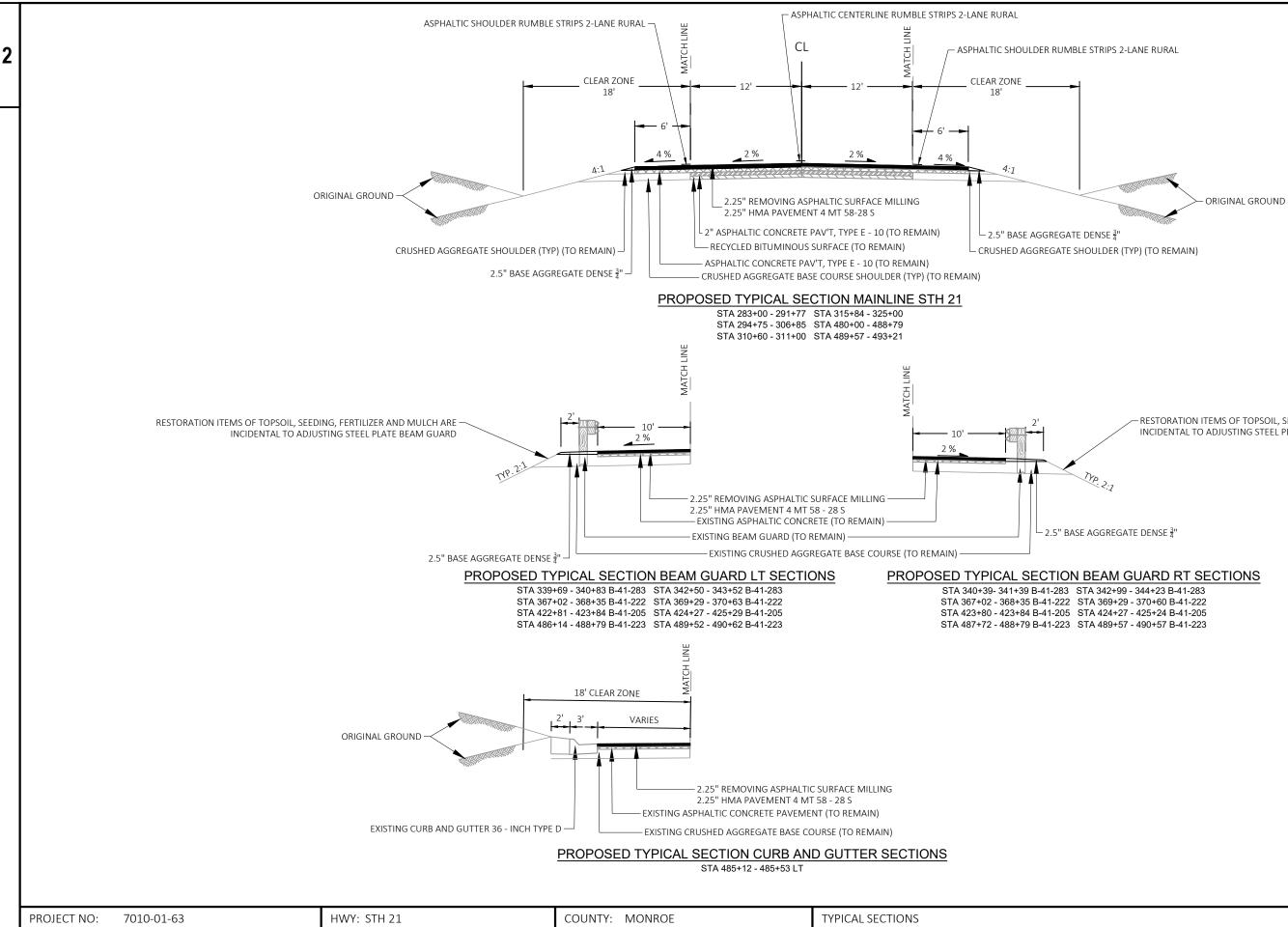


PROPOSED TYPICAL SECTION MAINLINE STH 21



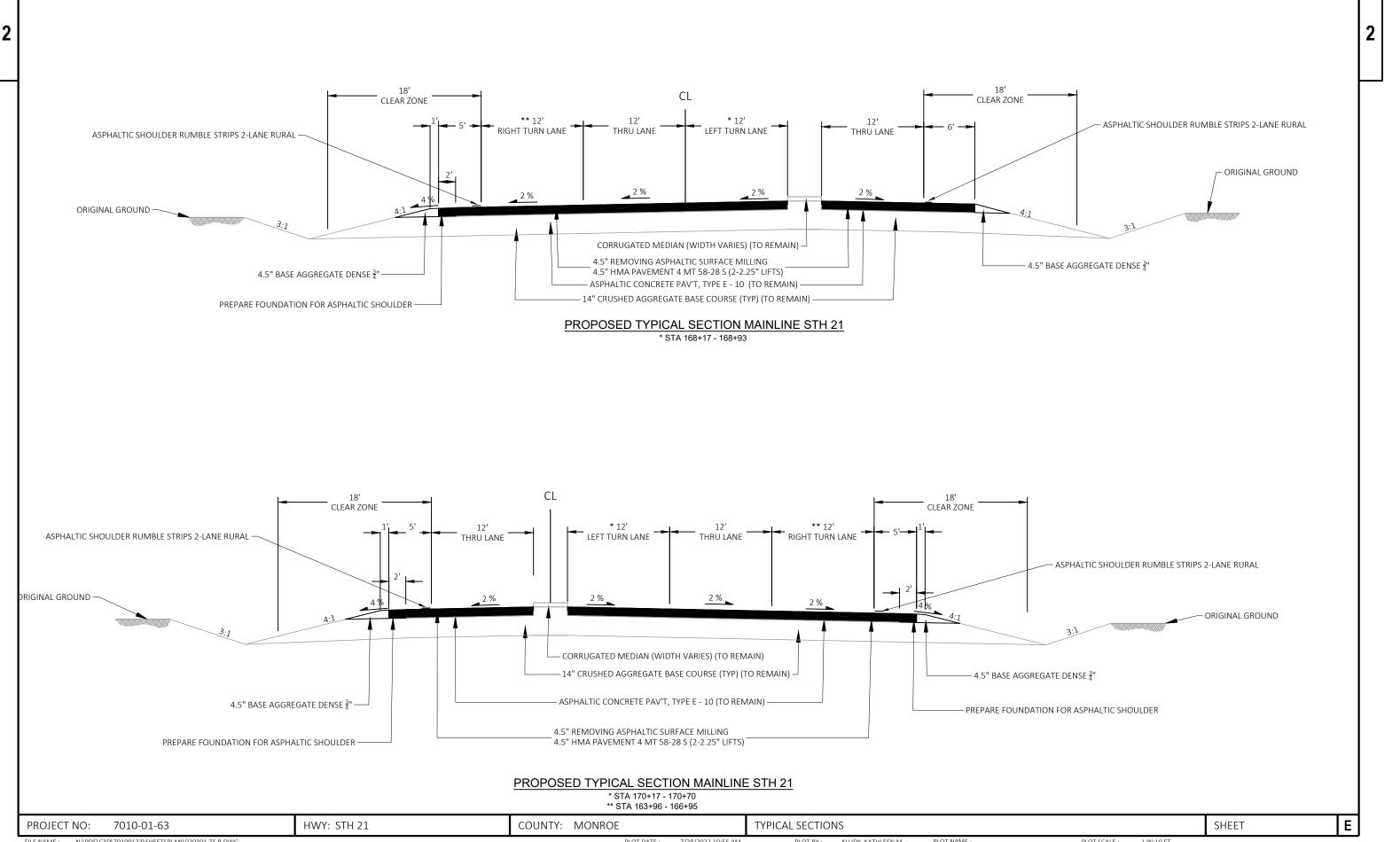
PROJECT NO:	7010-01-63	HWY: STH 21	COUNTY:	MONROE		TYPICAL SECTIO	NS		
FILE NAME : N:\PDS\C	3D\70100133\SHEETSPLAN\020301-TS B.DWG			PLOT DATE :	7/28/2022 10:55 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :	

2



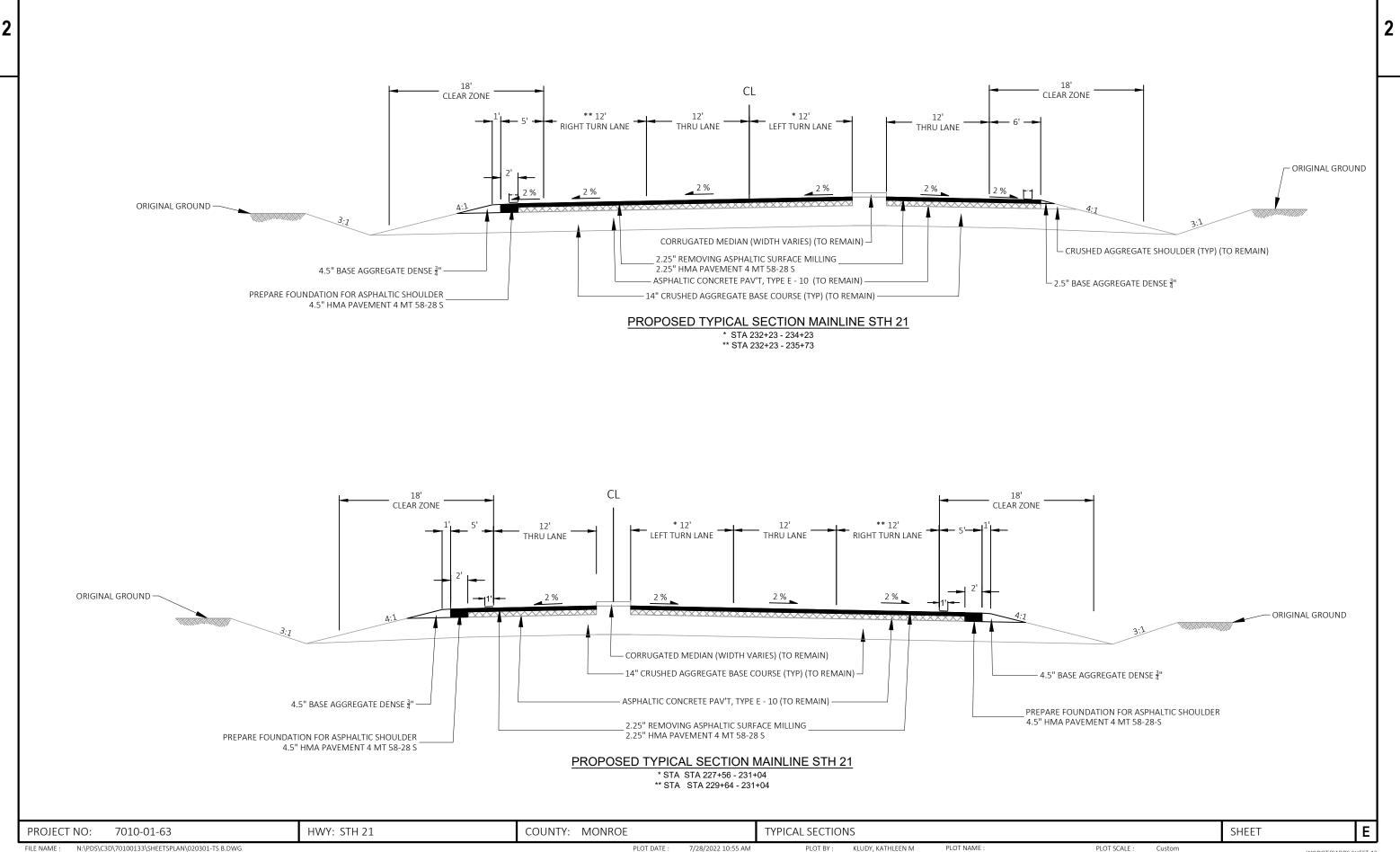
RESTORATION ITEMS OF TOPSOIL, SEEDING, FERTILIZER AND MULCH ARE INCIDENTAL TO ADJUSTING STEEL PLATE BEAM GUARD

2



FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\020301-TS B.DWG LAYOUT NAME - 020310-ts

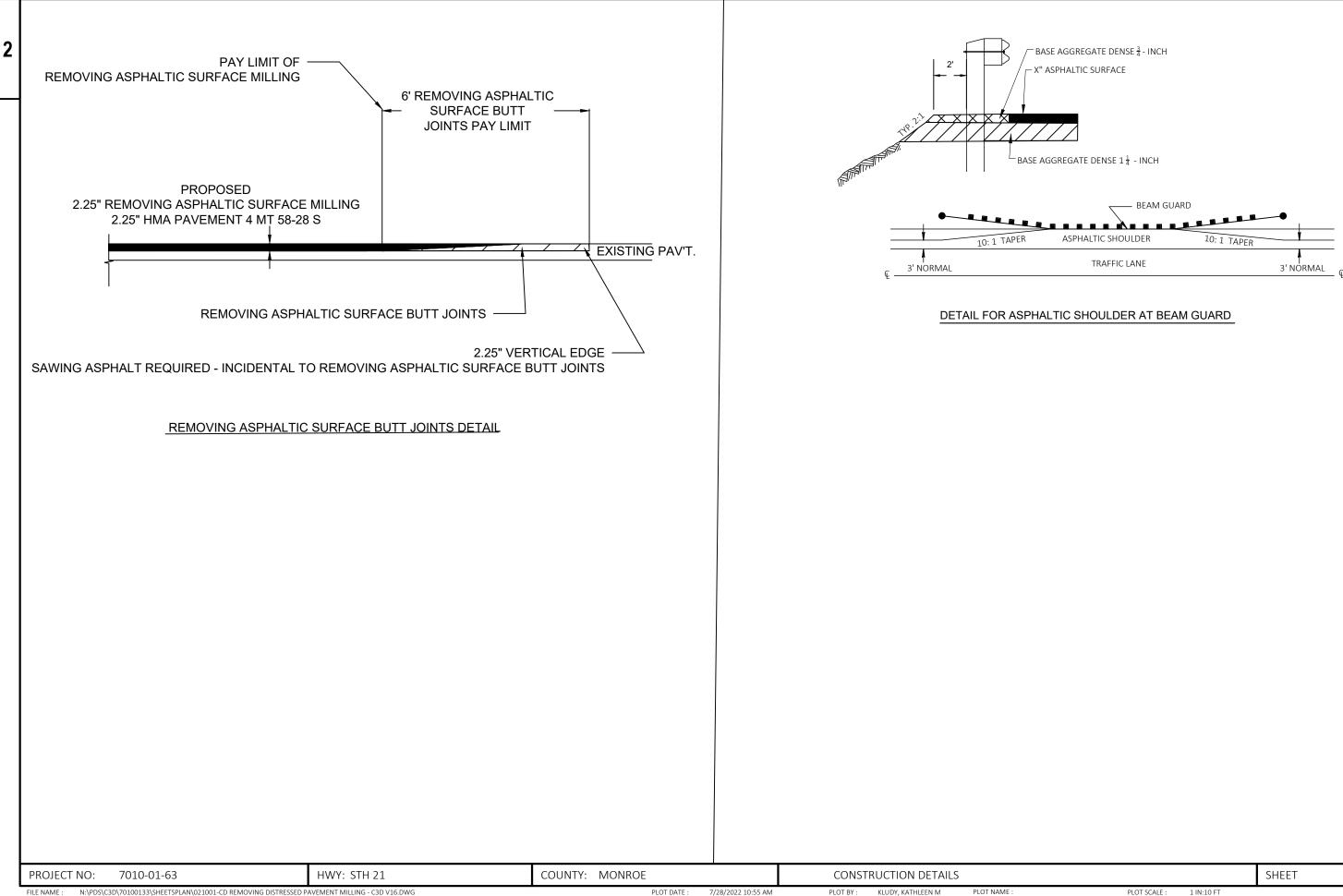
PLOT DATE : PLOT BY : KLUDY, KATHLEEN M PLOT NAME : 7/28/2022 10:55 AM



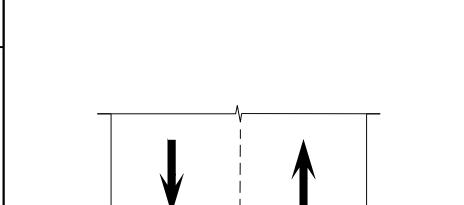
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PLOT DATE : 7/28/2022 10:55 AM PLOT BY : KLUDY, KATHLEEN M

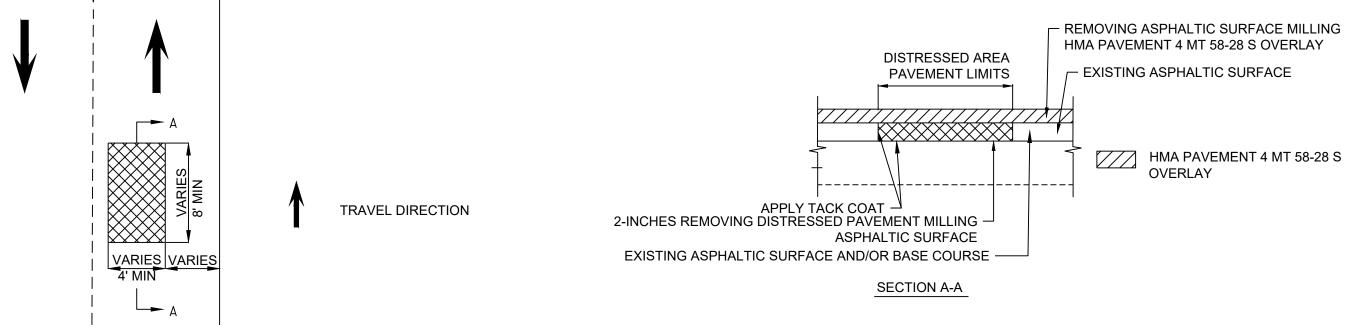
WISDOT/CADDS SHEET 42



2



2



PLAN VIEW

12'

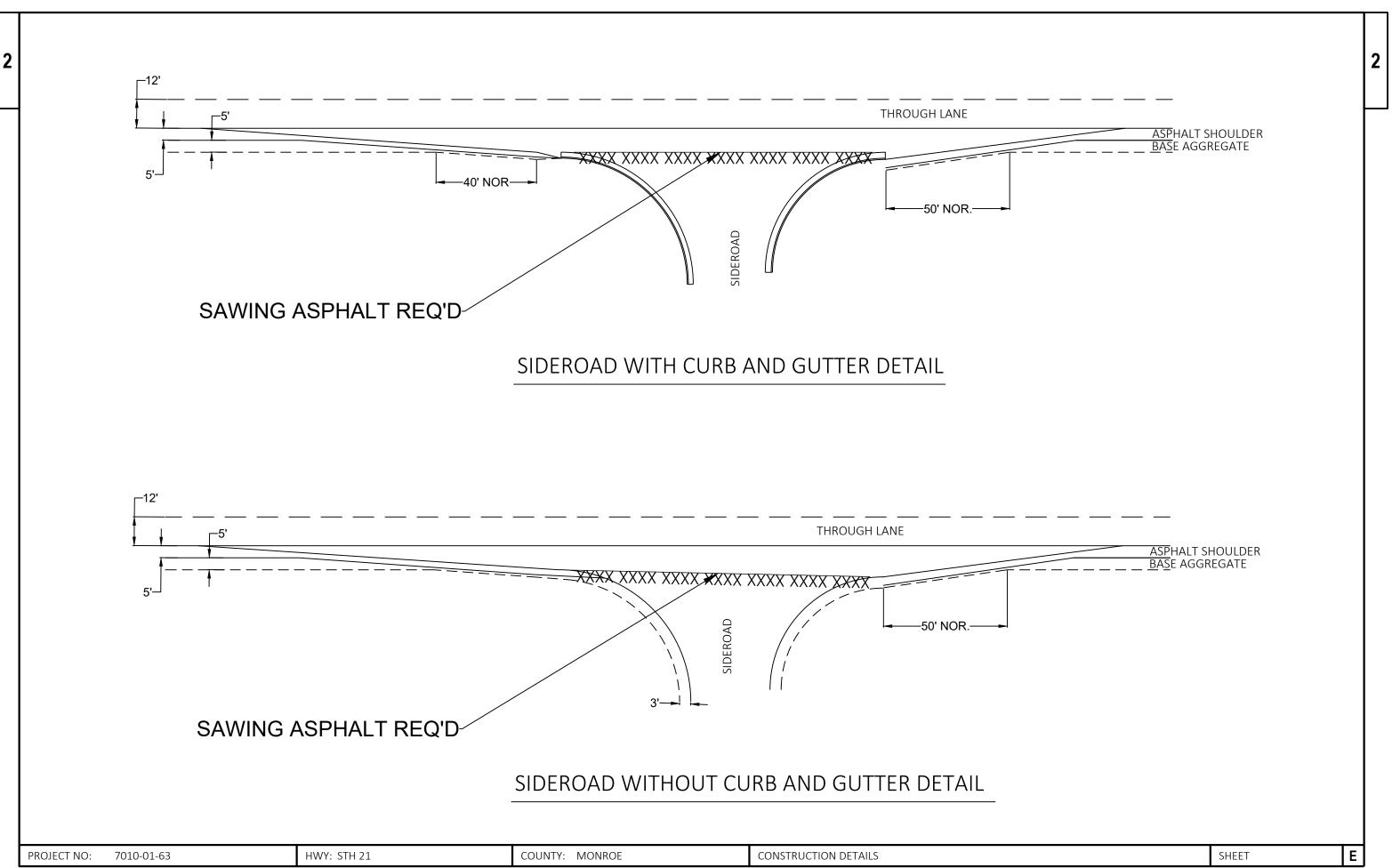
EXACT LOCATION AND LIMITS OF REMOVING DISTRESSED PAVEMENT MILLING TO BE DETERMINED BY THE ENGINEER IN THE FIELD

12'

REMOVING DISTRESSED PAVEMENT MILLING

PROJECT NO:	7010-01-63	HWY: STH 21	COUNTY: MONROE	CONSTRUCTION DETAILS
	- 1			

PLOT DATE : 7/28/2022 10:55 AM PLOT BY : KLUDY, KATHLEEN M PLOT NAME :



N:\PDS\C3D\70100133\SHEETSPLAN\021002-CD.DWG FILE NAME : LAYOUT NAME - 021003

PLOT DATE : 7/28/2022 10:55 AM

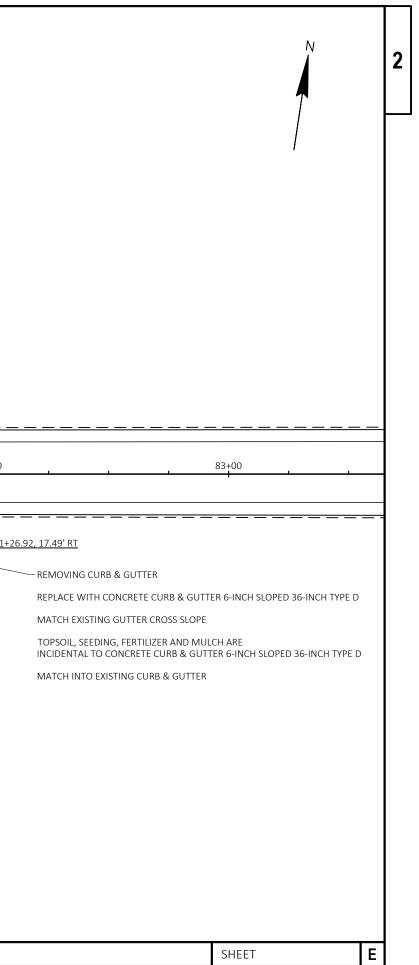
PLOT BY : KLUDY, KATHLEEN M PLOT NAME : PLOT SCALE : 1 IN:10 FT

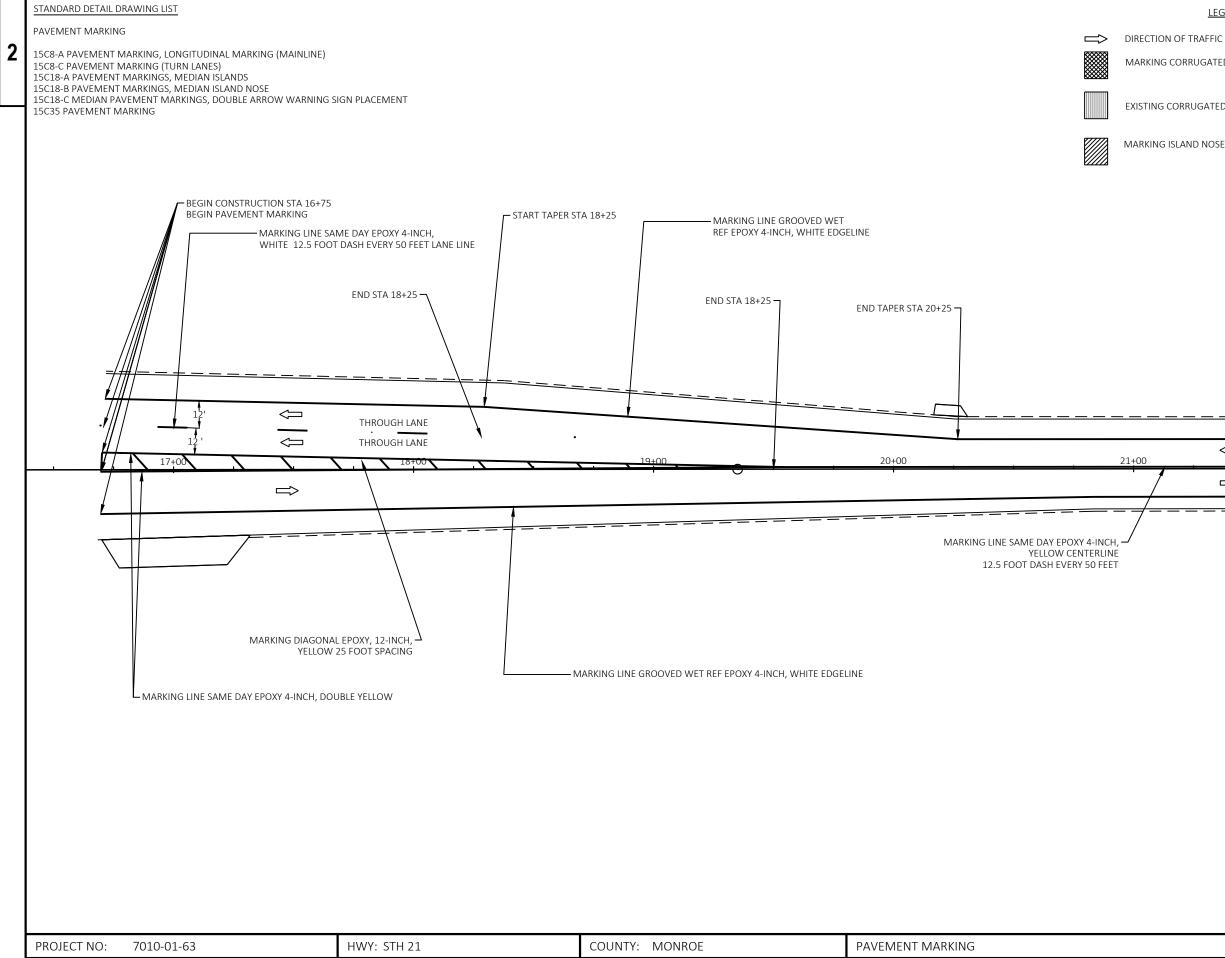
WISDOT/CADDS SHEET 42

			(D		
			F.E. +65 AGG		
	78+00 STH 21	79+00	80+00 I	81+00	82+00
		<u>STA 80+00.39, 19.34' RT</u>			STA 81
	REPLACE WITH CONCRETE CUP	REMOVING CURB & GUTTER	STA 80+24.17, 29.47' RT	Rq1, X	7.82, 23.56' RT
	TO INCIDENTAL TO CONCRETE CUF	MATCH EXISTING GUTTER CROSS SLOPE PSOIL, SEEDING, FERTILIZER AND MULCH ARE RB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	R ¹³		
		MATCH INTO EXISTING CURB & GUTTER	SAWING ASPHALT REQ'D		
				ENGELWOOD ROAD	
				0 E	
PROJECT NO:	7010-01-63	HWY: STH 21	COUNTY: MONROE	ENGELWOOD ROAD INTERSECTION	DETAII
	/010-01-03 \C3D\70100133\SHEETSPLAN\021101_ID.DWG		PLOT DATE : 7/28/2022 10:55		PLOT NAME :

FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\021101_ID.DWG LAYOUT NAME - 021101_id

PLOT DATE : 7/28/2022 10:55 AM PLOT BY : KLUDY, KATHLEEN M





<u>LEGEND</u>

MARKING CORRUGATED MEDIAN EPOXY, YELLOW

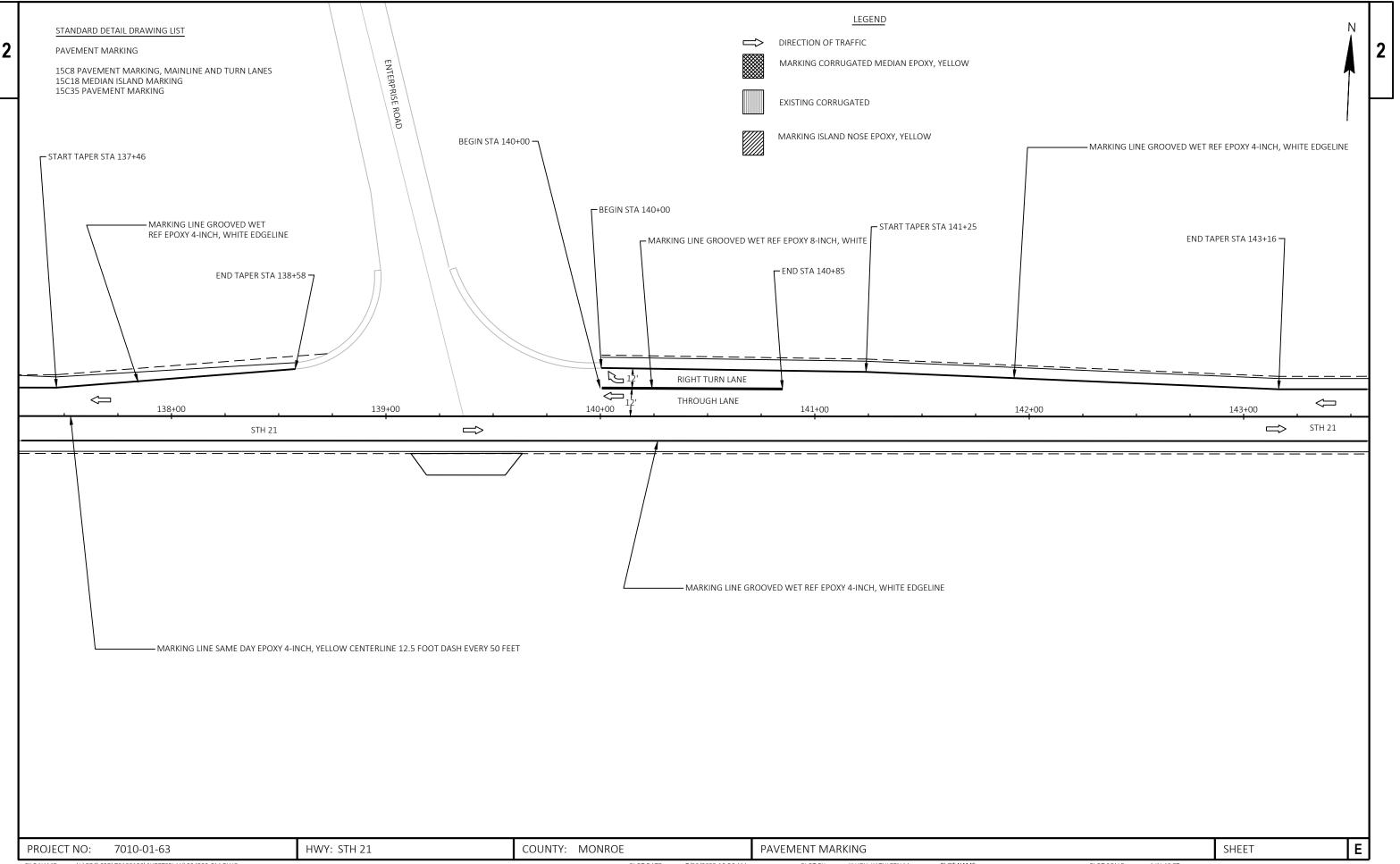
EXISTING CORRUGATED

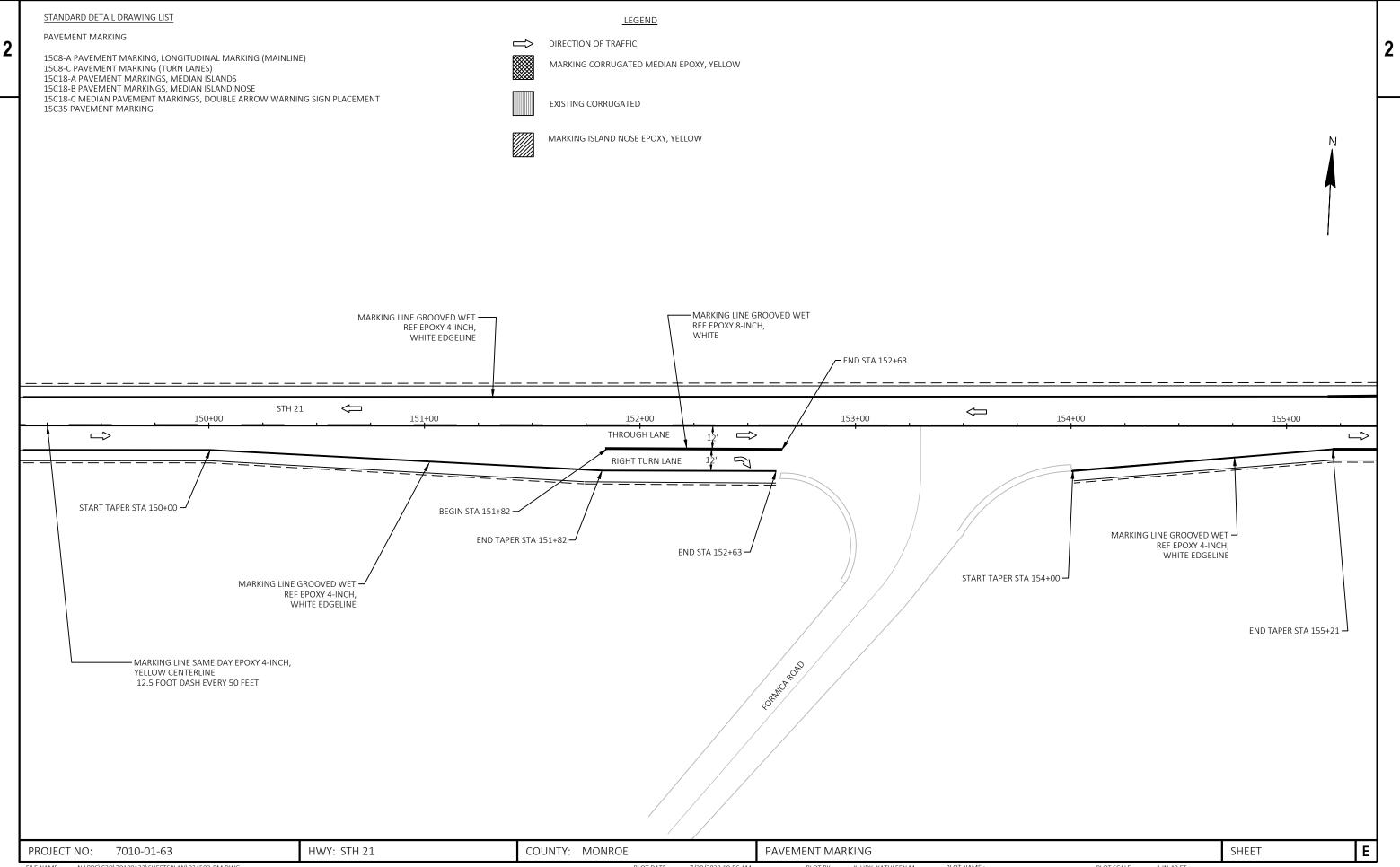
MARKING ISLAND NOSE EPOXY, YELLOW

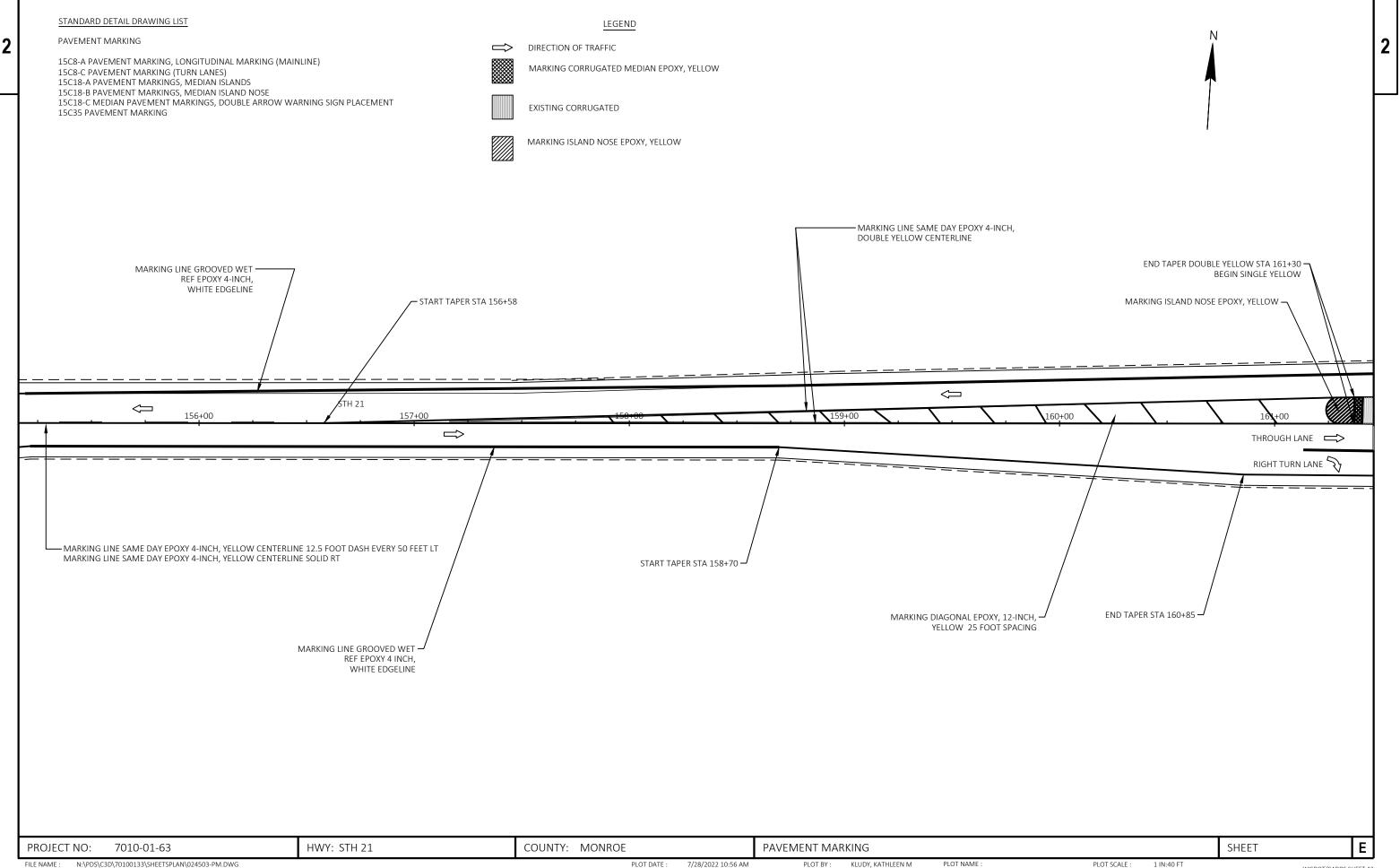


Λ

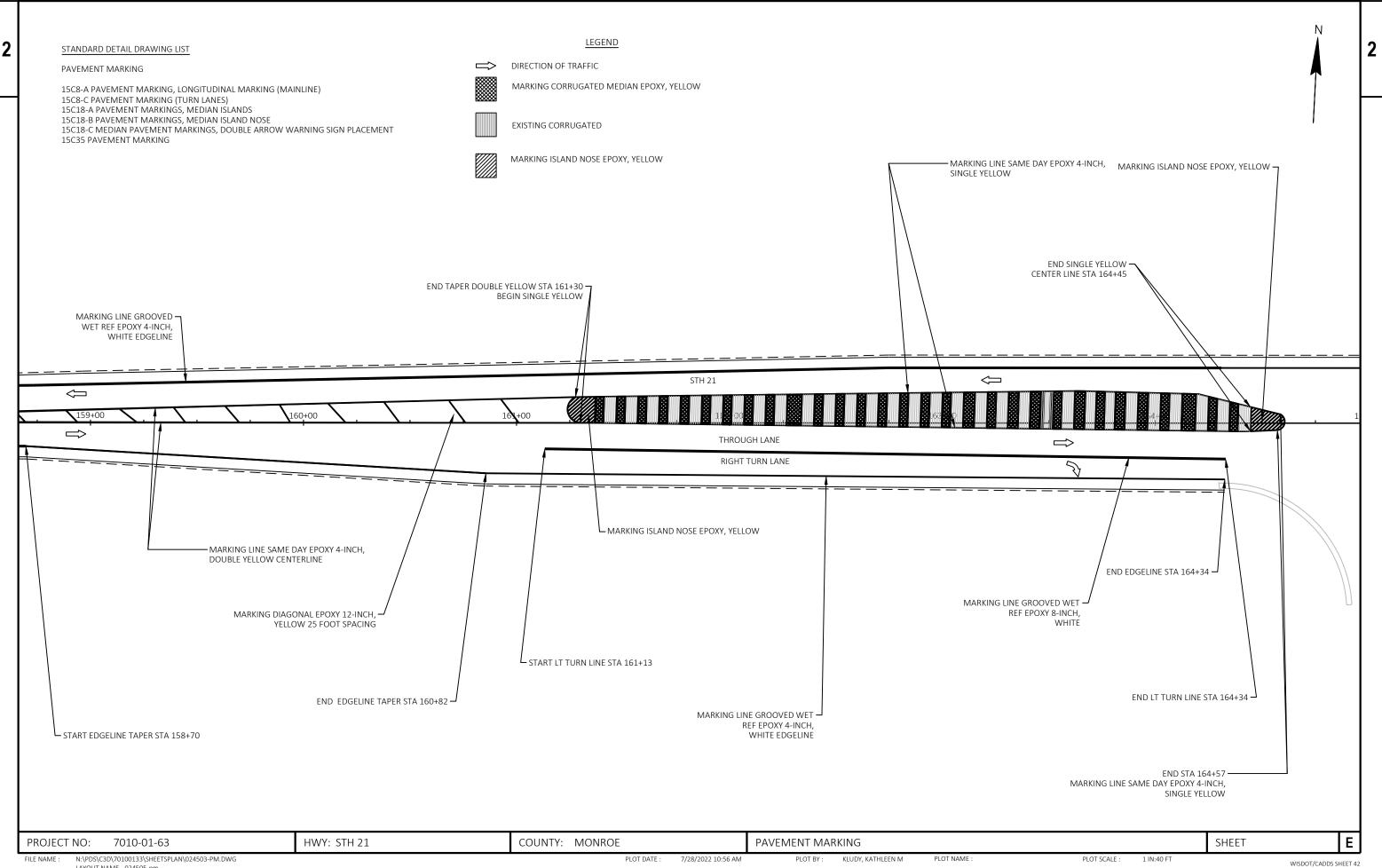
	Ţ,	22+00
1		STH 21

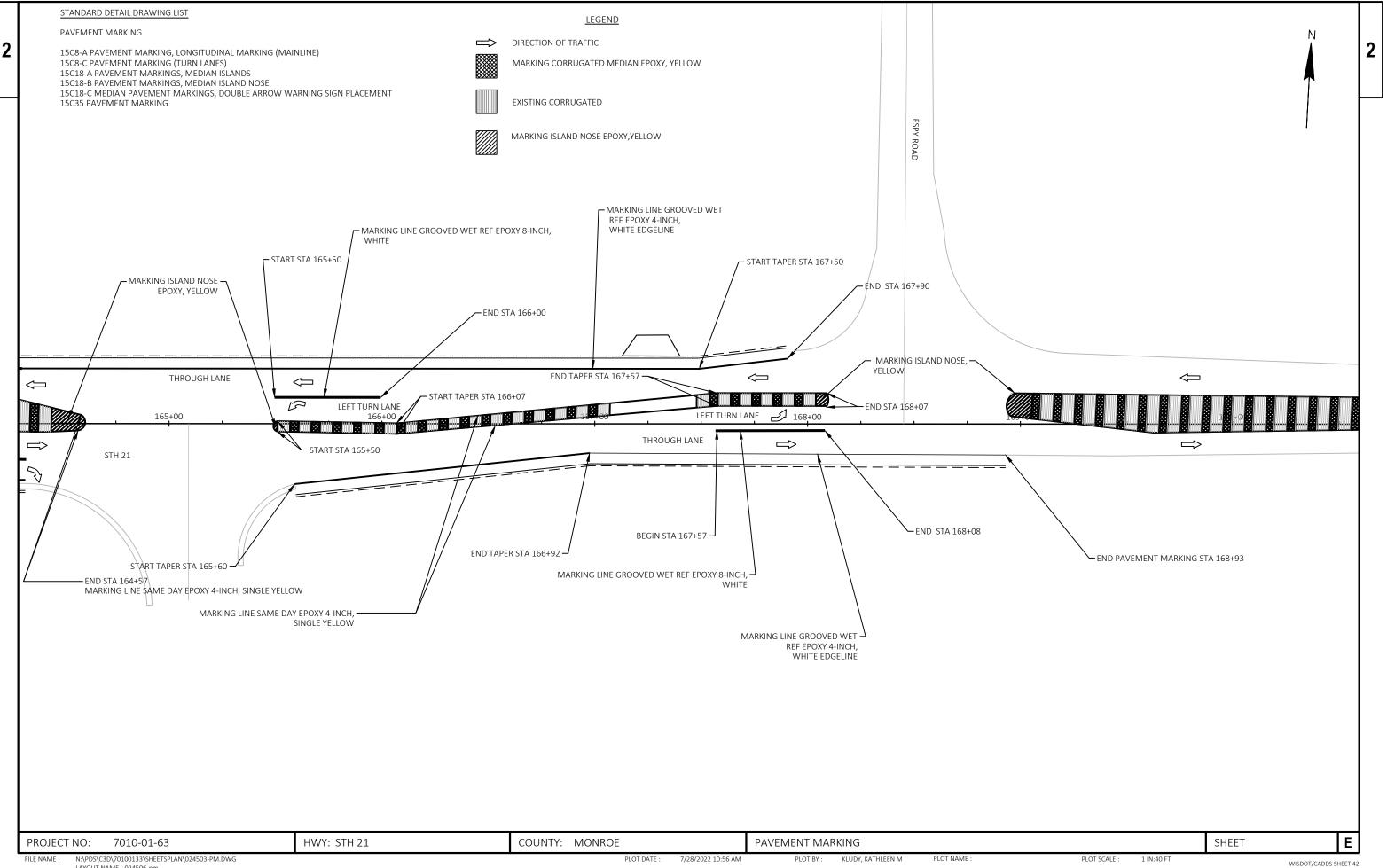






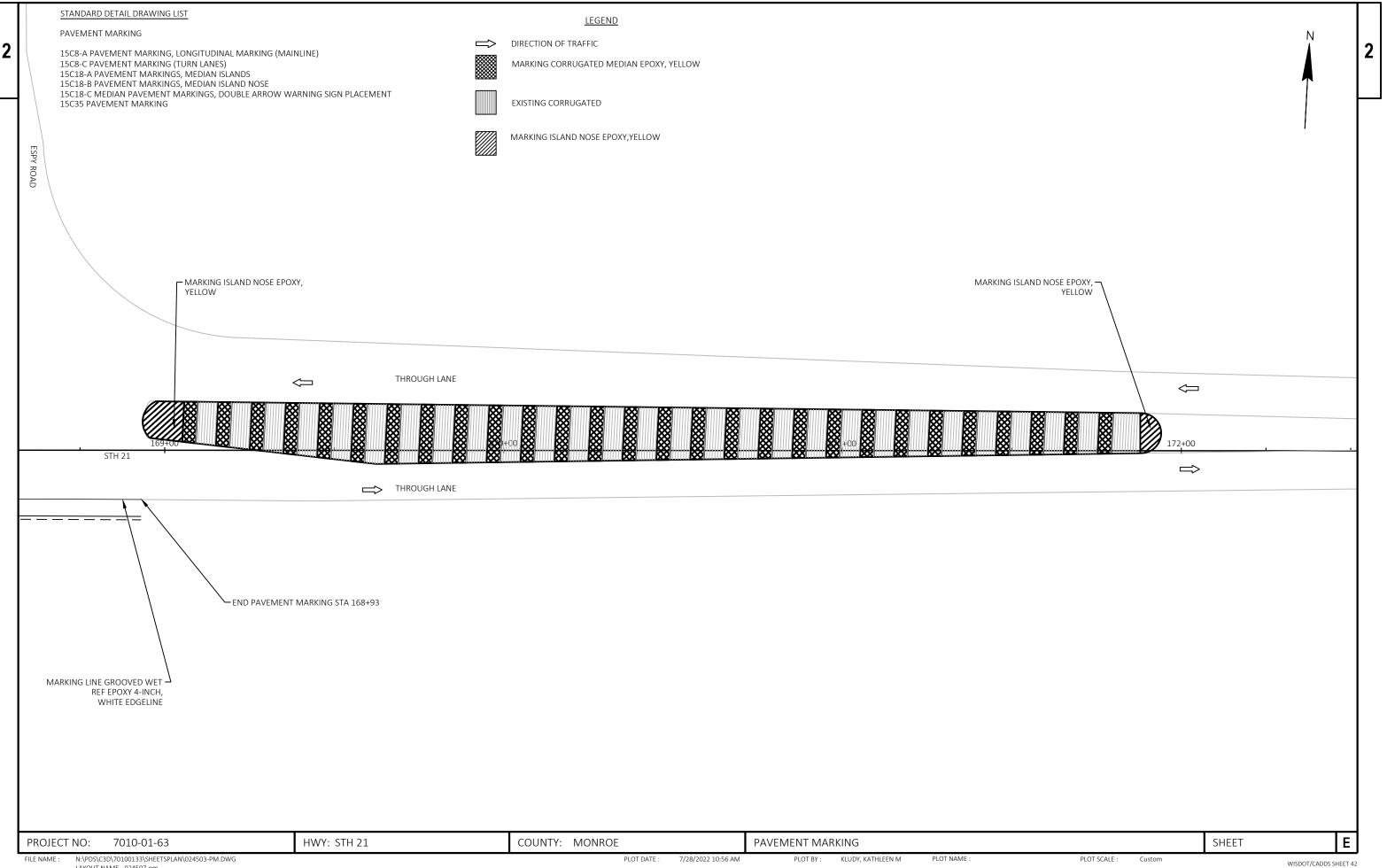
WISDOT/CADDS SHEET 42

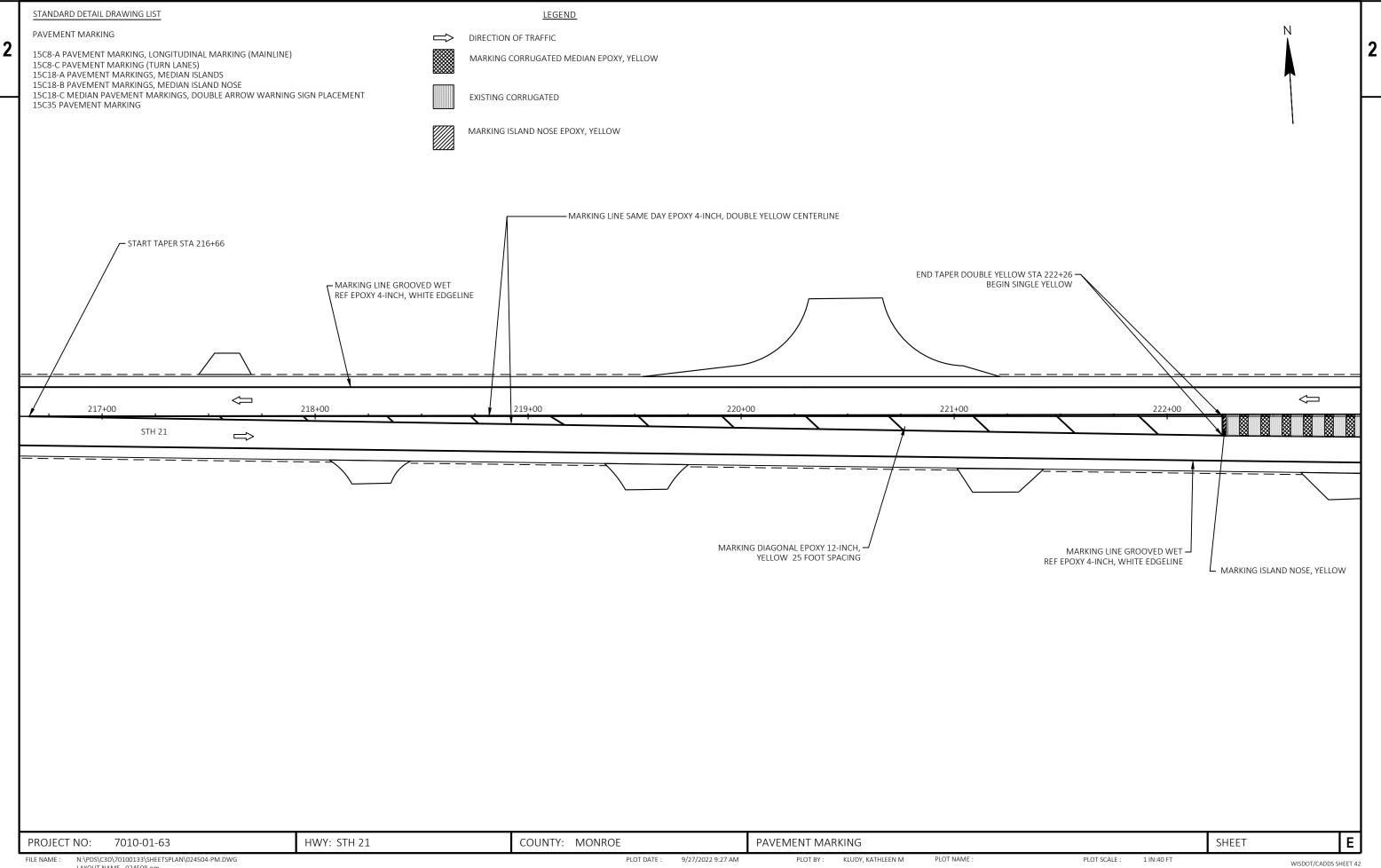


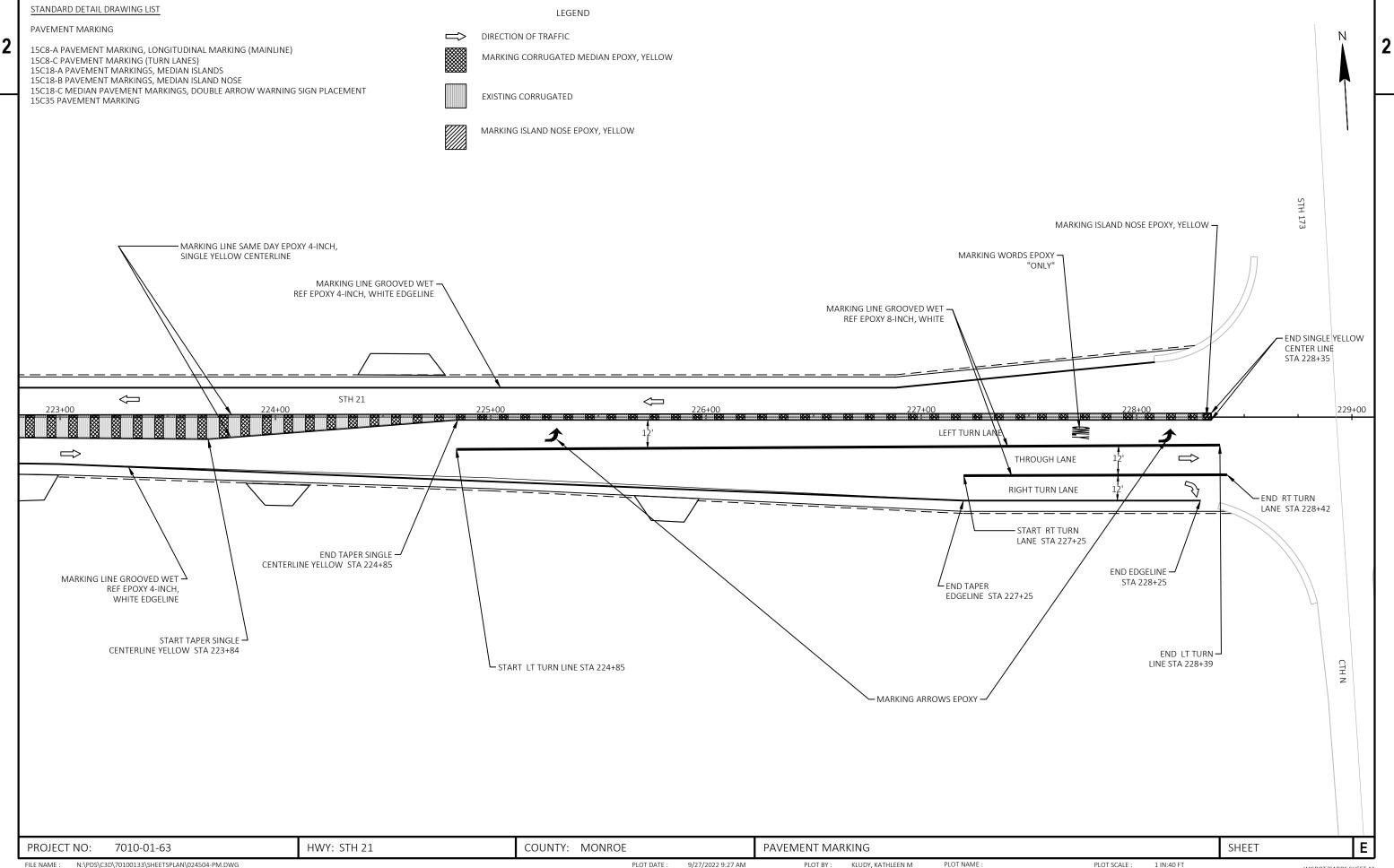


N:\PDS\C3D\70100133\SHEETSPLAN\024503-PM.DWG FILE NAME : LAYOUT NAME - 024506-pm

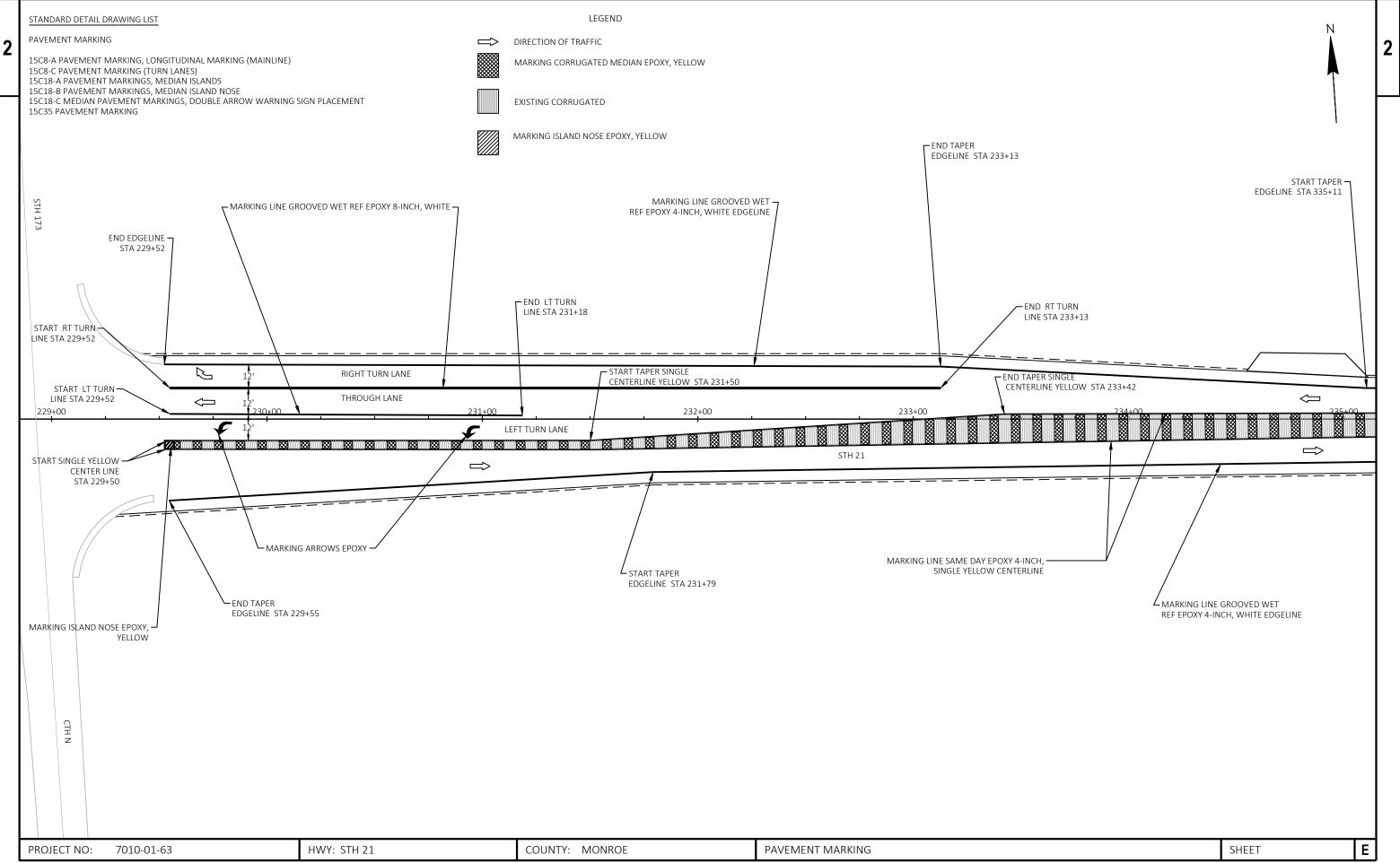
PLOT NAME :



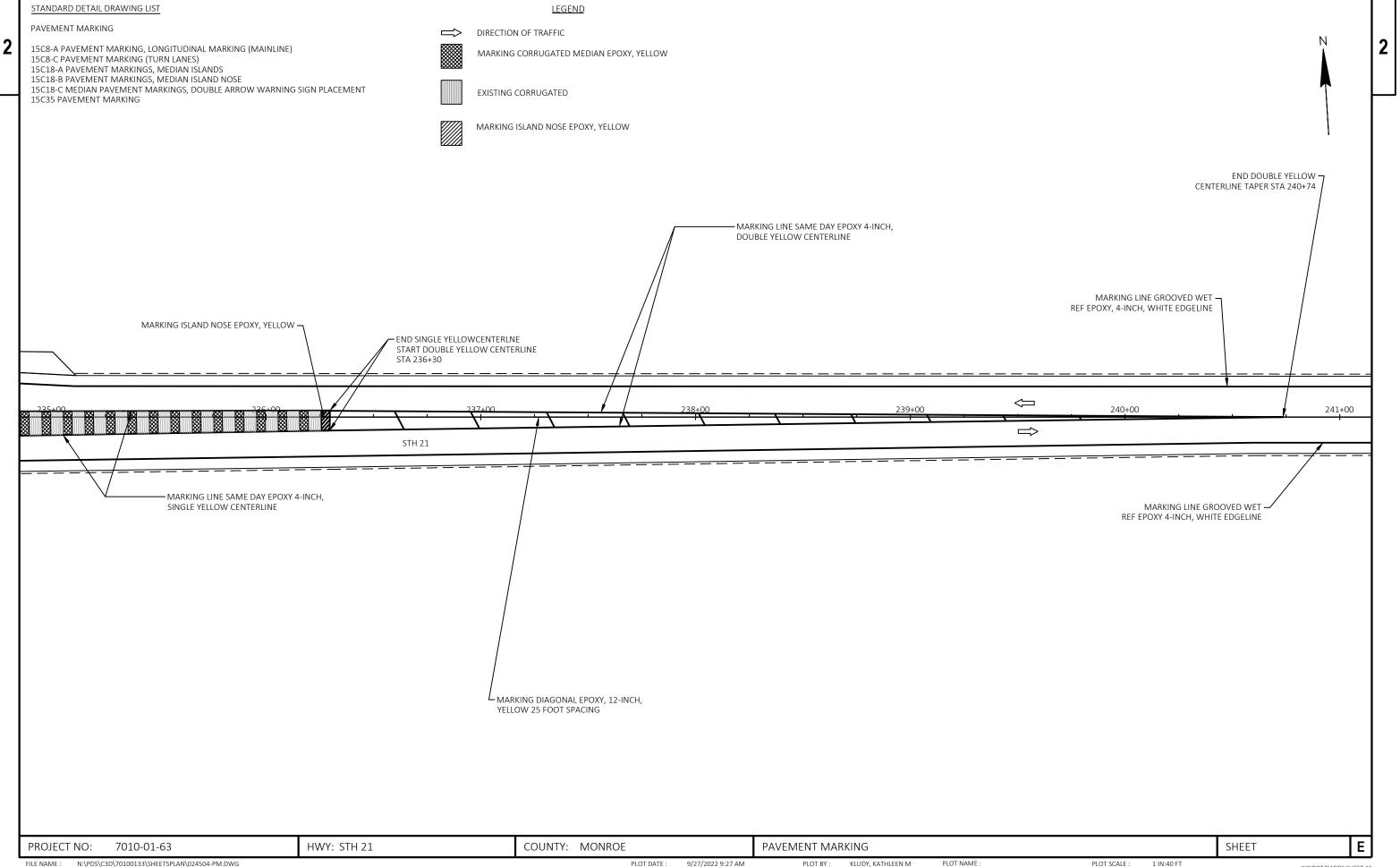




WISDOT/CADDS SHEET 42

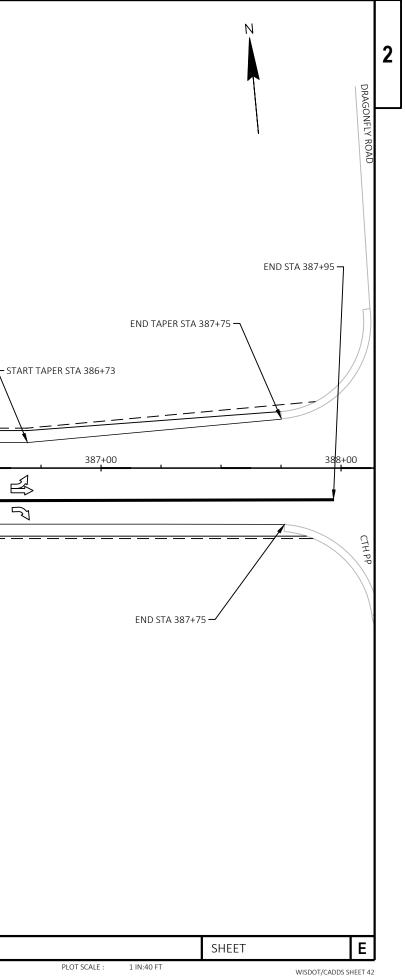


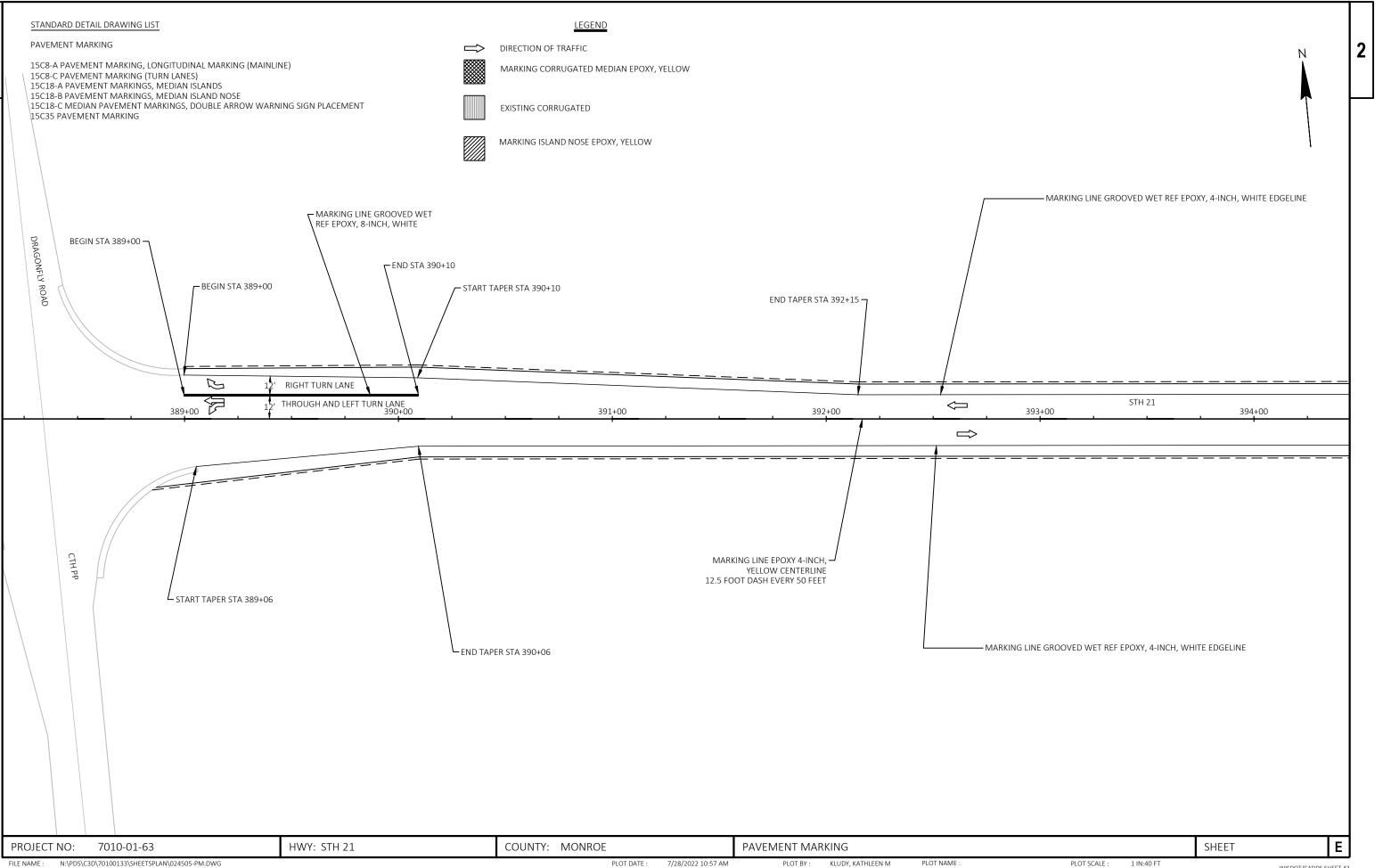
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\024504-PM.DWG LAYOUT NAME - 024510-pm PLOT DATE : 9/27/2022 9:27 AM PLOT BY : KLUDY, KATHLEEN M PLOT NAME



WISDOT/CADDS SHEET 42

2 PAVEMEN 15C8-A P 15C8-C P 15C18-A 15C18-B 15C18-C	RD DETAIL DRAWING LIST NT MARKING AVEMENT MARKING, LONGITUDINAL MARKING (MAINLIN AVEMENT MARKING (TURN LANES) PAVEMENT MARKINGS, MEDIAN ISLANDS PAVEMENT MARKINGS, MEDIAN ISLAND NOSE MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARN		MARKI	<u>LEGEND</u> ION OF TRAFFIC NG CORRUGATED MEDIAN E IG CORRUGATED	POXY, YELLOW				
15C35 PA	VEMENT MARKING		MARKIN	NG ISLAND NOSE EPOXY, YEL	LOW			MET	
	MARKING LINE GROOVED WET REF EPOXY, 4-INCH, WH	ITE EDGELINE		BE	GIN STA 384+70	MARKING L REF EPC	INE GROOVED ' DXY, 8-INCH, W		7
382+00	383+00		384+00		385+00			386+00	
	STH 21		•		THROUGH AND L RIGHT TURN LAN		12'		
	ART TAPER STA 382+25 MARKING LINE GROOVED WET REF E	POXY, 4-INCH, WHITE EDGELINE -		END TAPER STA			YE	INE EPOXY 4-INCH, LLOW CENTERLINE ASH EVERY 50 FEET	
PROJECT N	0: 7010-01-63	HWY: STH 21		COUNTY: MONRO	Ε	PAVEMENT MA	RKING		





LAYOUT NAME - 024513-pm

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Estimate Of Quantities

					7010-01-63	
Line	Item	Item Description	Unit	Total	Qty	
002	204.0110	Removing Asphaltic Surface	SY	1,444.000	1,444.000	
004	204.0115	Removing Asphaltic Surface Butt Joints	SY	127.000	127.000	
006	204.0120	Removing Asphaltic Surface Milling	SY	214,970.000	214,970.000	
800	204.0150	Removing Curb & Gutter	LF	45.000	45.000	
010	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 7010-01-63	EACH	1.000	1.000	
012	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	748.000	748.000	
014	213.0100	Finishing Roadway (project) 01. 7010-01-63	EACH	1.000	1.000	
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,977.000	3,977.000	
0018	455.0605	Tack Coat	GAL	14,249.000	14,249.000	
0020	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000	
022	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000	
0024	460.2005	Incentive Density PWL HMA Pavement	DOL	14,602.000	14,602.000	
026	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	18,902.000	18,902.000	
028	460.2010	Incentive Air Voids HMA Pavement	DOL	29,180.000	29,180.000	
0030	460.6224	HMA Pavement 4 MT 58-28 S	TON	23,011.000	23,011.000	
0032	465.0105	Asphaltic Surface	TON	3,078.000	3,078.000	
0034	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	187.000	187.000	
0036	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	50,617.000	50,617.000	
0038	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	32,883.000	32,883.000	
040	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	45.000	45.000	
0042	614.0400	Adjusting Steel Plate Beam Guard	LF	2,699.000	2,699.000	
0044	614.0950	Replacing Guardrail Posts and Blocks	EACH	32.000	32.000	
0046	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7010-01-63	EACH	1.000	1.000	
0048	619.1000	Mobilization	EACH	1.000	1.000	
0050	624.0100	Water	MGAL	26.000	26.000	
0052	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	11.000	11.000	
0054	638.2102	Moving Signs Type II	EACH	11.000	11.000	
0056	638.3000	Removing Small Sign Supports	EACH	11.000	11.000	
0058	642.5001	Field Office Type B	EACH	1.000	1.000	
060	643.0300	Traffic Control Drums	DAY	1,820.000	1,820.000	
0062	643.0900	Traffic Control Signs	DAY	1,050.000	1,050.000	
0064	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000	
0066	643.3120	Temporary Marking Line Epoxy 4-Inch	LF	73,646.000	73,646.000	
0068	643.5000	Traffic Control	EACH	1.000	1.000	
070	646.1020	Marking Line Epoxy 4-Inch	LF	36,823.000	36,823.000	
0072	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	77,877.000	77,877.000	
074	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	2,032.000	2,032.000	
076	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	36,823.000	36,823.000	
078	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000	
0800	646.5120	Marking Word Epoxy	EACH	1.000	1.000	
0082	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000	
0084	646.7120	Marking Diagonal Epoxy 12-Inch	LF	356.000	356.000	
086	646.8020	Marking Corrugated Median Epoxy	SF	7,217.000	7,217.000	
0088	646.8220	Marking Island Nose Epoxy	EACH	10.000	10.000	
0090	648.0100	Locating No-Passing Zones	MI	8.210	8.210	
0092	650.8000	Construction Staking Resurfacing Reference	LF	47,646.000	47,646.000	
0094	650.9910	Construction Staking Supplemental Control (project) 01. 7010-01-63	LS	1.000	1.000	
0096	690.0150	Sawing Asphalt	LF	3,507.000	3,507.000	
0098	690.0250	Sawing Concrete	LF	6.000	6.000	

3



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				E	Estimate Of C	Quantities	
						7010-01-63	
Line	Item	Item Description	ι	Jnit	Total	Qty	
0100	740.0440	Incentive IRI Ride	C	OL	17,200.000	17,200.000	
0102	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	F	IRS	900.000	900.000	
0104	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	F	IRS	1,200.000	1,200.000	
0106	SPV.0060	Special 01. VERIFY LANDMARK REFERENCE MONUMENTS	E	ACH	3.000	3.000	
0108	SPV.0060	Special 02. LANDMARK REFERENCE MONUMENTS MODIFIED	E	ACH	1.000	1.000	
0110	SPV.0180	Special 01. REMOVING DISTRESSED PAVEMENT MILLING	S	Y	17,286.000	17,286.000	



			<u>DRIVEWAY SUMMARY</u>	204.0110	305.0110	465.0120 ASPHALTIC				DRIVE	WAY SUMMARY CONTIN	<u>NUED</u> 204.0110	305.0110	465.0120		
				REMOVING ASPHALTIC	BASE AGGREGATE	SUREACE DRIVEWAYS AND FIELD						REMOVING	BASE	ASPHALTIC SURFACE DRIVEWAYS AND		
~ •	TEOODY			SUREACE	DENSE 3/4-INCH	ENTRANCES						ASPHALTIC	AGGREGATE	FIELD		
	TEGORY	STATION	LOCATION	SY 70	TON		REMARKS	EIRE #	-			SURFACE	DENSE 3/4-INCH	ENTRANCES		
	0010	17+25	RT R⊤	70	7	9	P.E. ASPH. F.E. AGG	1111	CATEGORY	STATION	LOCATION	SY	TON	TON	REMARKS	FIRE #
	0010 0010	20+25 20+50	LT		5		F.E. AGG									
	0010	28+15	LT		26		F.E. AGG		0010	258+40	LT	22		3	P.E. ASPH.	29560
	0010	28+15	RT		6		F.E. AGG		0010	260+78	LT		30		P.E. AGG	29610
	0010	39+30	LT		22		P.E. AGG	25574	- 0010	269+50	RT		25		P.E. AGG	408
	0010	40+75	LT		19		P.E. AGG	25600	0010	271+40	RT		26		P.E. AGG	711
	0010	41+25	RT	25	10	3	P.E. ASPH.	25611	0010	284+00	LT		16		F.E. AGG	211
	0010	41+50	LT		23	-	F.E. AGG		0010	286+30	RT R⊤	30		4	P.E. ASPH.	311
	0010	43+25	LT	49		6	P.E. ASPH.	25638	0010	287+70	LT	83	26	10	C.E. ASPH. P.E. AGG	225
(0010	45+30	RT		21		P.E. AGG	25673	- 0010 0010	305+76 306+48	RT		26 27		P.E. AGG P.E. AGG	
(0010	46+50	LT	26		3	P.E. ASPH.	25692	0010	306+48 307+00	RT		27		P.E. AGG P.E. AGG	
(0010	47+40	LT	28		5	P.E. ASPH.	25700	0010	313+60	LT		27		P.E. AGG	620
(0010	47+60	RT	25		3	P.E. ASPH.	25721	0010	313+60	LT	101	ر ۲	13	P.E. AGG	680
(0010	50+25	LT	34		4	P.E. ASPH.	25754	- 0010	315+35	LT	68		13	P.E. ASPH.	700
									0010	318+65	LT	00		5	P.E. ASPH. P.E. ASPH.	714
(0010	53+50	LT	30		4	P.E. ASPH.	25822	0010	319+70	LT				C.E. ASPH.	/ 14
	0010	55+50	LT	44		6	P.E. ASPH.	25860	0010	321+50	LT	50		6	C.E. ASPH.	832
	0010	56+25	LT		24		P.E. AGG	25872	0010	397+00	LT	33		6	P.E. ASPH.	260
	0010	57+30	RT		27		P.E. AGG	25885	0010	402+45	LT	55 47		6	C.E. ASPH.	32386
(0010	59+75	LT		39		P.E. AGG	25926	- 0010	402+43	LT	+/	55	U	P.E. AGG	32508
(0010	60+75	RT		21		F.E. AGG		0010	414+80	LT		29		F.E. AGG	JZJU0
	0010	80+65	LT		34		F.E. AGG		0010	419+65	RT		29		F.E. AGG	
(0010	118+50	LT	30		4	P.E. ASPH.	27042	0010	420+48	LT		27		P.E. AGG	32626
(0010	118+50	RT		46		F.E. AGG		0010	427+92	LT		19		P.E. AGG	52020
(0010	121+90	LT		35		P.E. AGG	27102	- 0010	435+50	LT		21		P.E. AGG	32876
(0010	126+10	LT	34		4	P.E. ASPH.	27138	0010	452+50	LT		29		P.E. AGG	33204
(0010	136+00	RT		23		F.E. AGG		0010	458+86	RT		18		P.E. AGG	33333
(0010	139+65	RT		56		P.E. AGG	27373	0010	459+00	LT		19		P.E. AGG	33324
	0010	167+50	LT		26		P.E. AGG	27878	0010	467+75	LT		19		P.E. AGG	33506
	0010	207+71	LT		29		P.E. AGG	28632	- 0010	469+15	LT	38	15	5	C.E. ASPH.	33450
	0010	210+50	LT		49		C.E. AGG	28690	0010	471+35	LT	50	15	9	P.E. AGG	33564
	0010	214+35	LT		33		P.E. AGG	28810	0010	477+85	LT	18		2	P.E. ASPH.	33692
	0010	217+85	LT		23		C.E. AGG	28858	0010	482+75	LT	10		fero .	P.E. PCC	33794
	0010	218+50	RT	32		4	C.E. ASPH.	28843	0010	484+00	LT		17		P.E. AGG	33810
	0010	219+75	RT	38		5	C.E. ASPH.	28843	- 0010	484+80	LT		13		P.E. AGG	33824
	0010	220+75	LT	267		34	C.E. ASPH.	28888	0010	485+15	LT	22	±=	3	P.E. ASPH.	
	0010	221+40	RT	38		5	P.E. ASPH.	28897	0010	485+85	LT	22		- 3	P.E. ASPH.	33842
	0010	223+00	RT	37		5	P.E. ASPH.	28925			SUBTOTAL 2	534	501	70	· · · · · · · · · · · · · · · · · · ·	
	0010	224+25	RT		26		P.E. AGG	28929	NOTE: ADDITIO					ER ITEM 305.0110 BASI	E AGGREGATE DENSE 3	4- INCH SUMMARY
	0010	224+75	LT		42		P.E. AGG	28930	-							
	0010	226+00	RT		32	-	P.E. AGG	28951			SUBTOTAL 1	910	880	117		
	0010	235+15	LT	51	~ 7	6	P.E. ASPH.	29048			SUBTOTAL 2	534	501	70		
	0010	241+91	LT		57		C.E. AGG	29244			1,444	1,444	1,381			
	0010	243+25	RT		19		P.E. AGG	29353			-,	-,	,			
	0010	247+40	RT		36		P.E. AGG	29455	-							
	0010	250+38	RT		24		P.E. AGG	29463								
	0010	252+93	RT		24		P.E. AGG	29505								
	0010	255+46	LT	2.2	26	n	P.E. AGG	29506								
	0010	256+75	RT	22		3	P.E. ASPH.	29537								
(0010	257+20	LT SUBTOTAL 1	30 910	880	4 117	P.E. ASPH.	29542	_							
NOT	re: addition	NAL AMOUNTS	OF ITEM 305.0110 BASE AG				E AGGREGATE DENSE 3/4	4- INCH SUMMARY.								
DP	OJECT NO	: 7010-0)1_63		′: STH 21		COUNTY: MO		N		US QUANTITIES				SHEET	
- 281		/ 1 1 1 1 - (11-03	I HVVY					• N						NHEE1	

	CATEGORY 0010 0010 0010 0010 CATEGORY	80+00 - 8	- 1 - 2 - 4 <u>CURE</u> <u>STATIOI</u>	STATION 6+81 68+93 06+62 93+21 8 AND GUTTI	CI	- - - 0010	CC & C G SL		<u>ARKS</u>
	0010 0010 0010 CATEGORY 0010	168+87 206+56 493+15 STATION TO 80+00 - 3	- 1 - 2 - 4 <u>CURE</u> <u>STATIOI</u>	68+93 06+62 93+21 3 AND GUTTI	CI CI TOTAL ER SUMM	- - 0010 <u>ARY</u> 204.015 REMOVIN	34 23 23 127 0 CC & C G SL	ONCRETE CURB	
-	0010 CATEGORY 0010	493+15 STATION TO 80+00 - 3	- 4 <u>CURE</u> STATIOI	93+21 3 AND GUTTI	CI TOTAL <u>ER SUMM</u> CI		23 127 0 CC & C G SL	ONCRETE CURB	
-	0010	80+00 - 8	STATIO		CI	204.015 REMOVIN	CC & C G SL	ONCRETE CURB	
-	0010	80+00 - 8		N LOCATI		REMOVIN	CC & C G SL	ONCRETE CURB	
-	0010	80+00 - 8		N LOCATI				OPED 36-INCH	
-	0010	80+00 - 8		N LOCATI	~		1 E K	TYPE D	
					ON	LF		LF	REMARK
	0010	81+07 - 8	80+24	RT		25		25	
			81+27	RT TOTAL 0	010	20 45		20 45	
						P FOU FOR ,	L1.0400 REPARE NDATION ASPHALTIC DULDERS		
-	CATEGORY	STATION TO	STATI		OCATION		STA	REMARKS	
	0010 0010	19+35 - 19+35 -	64+92 80+45		LT RT		46 62		
	0010	19+35 - 66+16 -	138+7		LT		73		
	0010	81+29 -	152+8	6	RΤ		72		
-	0010	140+21 -	168+1		LT		28		
	0010 0010	154+21 - 165+81 -	169+1 169+1		RT RT		15 4		
	0010	165+81 - 206+77 -	228+2		LT		22		
	0010	206+77 -	228+5		RT		22		
	0010	229+73 -	281+1		LT		52		
	0010	243+23 -	281+1		LT		38		
	0010	229+69 -	295+0		RT PT		66 66		
	0010 0010	322+15 - 389+20 -	387+9 440+5		RT LT		66 52		
	0010	389+20 -	440+3		RT		52		
-	0010	441+45 -	479+8		RT		39		
	0010	441+66 -	480+0		LT		39	-	
				TC	TAL 0010)	748		

				204.0120 REMOVING ASPHALTIC SURFACE MILLING	455.0605 TACK COAT	460.6224 HMA PAVEMENT 4 MT 58-28 S	465.0105 ASPHALTIC SURFACE	
CATEGORY	STATION TO STATION		LOCATION	SY	GAL	4 IMT 38-28 3 TON	TON	REMARKS
0010	16+75 - 150+00	CL	STH 21	35,534	2,488	4,478		THROUGH LANES
0010	150+00 - 168+93	CL	STH 21	5,048	354	1,273		THROUGH LANES
0010	206+60 - 303+89	CL	STH 21	25,944	1,817	3,269		THROUGH LANES
0010	304+14 - 341+26	CL	STH 21	9,899	693	1,248		THROUGH LANES
0010	342+90 - 368+55	CL	STH 21	6,840	479	862		THROUGH LANES
0010	369+79 - 424+04	CL	STH 21	14,467	1,013	1,823		THROUGH LANES
0010	424+46 - 489+00	CL	STH 21	17,211	1,205	2,169		THROUGH LANES
0010	489+76 - 493+21	CL	STH 21	920	65	116		THROUGH LANES
0010	16+97 - 64+92	LT	STH 21	1,599	166	202		SHOULDER
0010	16+97 - 80+45	R⊤	STH 21	2,116	220	267		SHOULDER
0010	66+00 - 137+78	LT	STH 21	2,393	248	302		SHOULDER
0010	81+29 - 152+86	RΤ	STH 21	2,386	247	301		SHOULDER
0010	150+00 152+86	R⊤	STH 21	96	11	25		SHOULDER
0010	140+21 - 150+00	LT	STH 21	327	34	42		SHOULDER
0010	150+00 - 168+14	LT	STH 21	605	64	153		SHOULDER
0010	154+21 - 164+53	RT	STH 21	344	37	87		SHOULDER
0010 0010	165+68 - 168+93 209+60 - 228+59	R⊤ R⊤	STH 21 STH 21	109 633	12 67	28 80		SHOULDER
0010	209+60 - 228+39	LT	STH 21	623	65	79		SHOULDER SHOULDER
0010	229+73 - 281+13	LT	STH 21	1,714	178	216		SHOULDER
0010	229+69 - 295+06	RT	STH 21	2,179	153	275		SHOULDER
0010	16+97 - 64+92	LT	STH 21	2,2,0	129	135	135	SHOULDER WIDENING
0010	16+97 - 80+45	RΤ	STH 21		170	178	178	SHOULDER WIDENING
0010	66+00 - 137+78	LT	STH 21		192	201	201	SHOULDER WIDENING
0010	81+29 - 150+00	RT	STH 21		184	193	193	SHOULDER WIDENING
0010	150+00 152+86	RT	STH 21		9	17		SHOULDER WIDENING
0010	140+21 - 150+00	LT	STH 21		27	28		SHOULDER WIDENING
0010	150+00 - 168+14	LT	STH 21		50	102		SHOULDER WIDENING
0010	154+21 - 164+53	RT	STH 21		29	58		SHOULDER WIDENING
0010	165+68 - 168+93	RT	STH 21		10	19		SHOULDER WIDENING
0010	209+60 - 228+59	R⊤	STH 21		52	54	54	SHOULDER WIDENING
0010	209+60 - 228+29	LT	STH 21		51	53	53	SHOULDER WIDENING
0010	229+73 - 281+13	LT	STH 21		138	144	144	SHOULDER WIDENING
0010	229+69 - 295+06	R⊤	STH 21		102	184	184	SHOULDER WIDENING
0010	282+23 - 303+95	LT	STH 21	1,448	102	183		SHOULDER
0010	295+60 - 298+48	R⊤	STH 21	192	14	25		SHOULDER
0010	299+13 - 302+02	R⊤	STH 21	193	14	25		SHOULDER
0010	302+55 - 303+95	R⊤	STH 21	94	7	12		SHOULDER
0010	304+09 - 307+92	LT	STH 21	256	18	33		SHOULDER
0010	304+09 - 308+10	RΤ	STH 21	268	19	34		SHOULDER
0010	308+75 - 311+42	R⊤	STH 21	178	13	23		SHOULDER
0010	309+36 - 318+26	LT	STH 21	594	42	75		SHOULDER
0010	318+26 - 322+10	LT	STH 21	288	21	37		SHOULDER
0010	312+04 - 314+47	RT	STH 21	162	12	21		SHOULDER
0010	315+12 - 317+38	RT	STH 21 SUBTOTAL 1	151 134,811	11 11,032	19 19,148	1,142	SHOULDER

PROJEC	T NO: 7010-01-63	HWY: STH 21	COUNTY:	COUNTY: MONROE			MISCELLANEOUS QUANTITIES		
FILE NAME :	N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	10/6/2022 7:54 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :	

N:\PDS\C3D\7010013 LAYOUT NAME - 02 FILE NAME : 3\SHEETSPLAN\030201-MQ.DWG PLOT DATE : 10/6/2022 7:54 AM

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PLOT SCALE : 1" = 1'

						<u>A</u>	204.0120	455.0605	460.6224	465.0105					<u>ASPF</u>	<u>ALT SUMMARY CC</u> 204.0120	<u>NTINUED</u> 455.0605	460.6224	465.0105	
							REMOVING ASPHALTIC SURFACE		HMA PAVEMENT	ASPHALTIC						REMOVING ASPHALTIC				
							MILLING	TACK COAT	4 MT 58-28 S	SURFACE						SURFACE MILLING	TACK COAT	HMA PAVEMENT 4 MT 58-28 S	ASPHALTIC SURFACE	
	CATEGORY	STATION	O ST	TATION		LOCATION	SY	GAL	TON	TON	REMARKS	CATEGORY	STATION TO STATION		LOCATION	SY	GAL	TON	TON	REMARKS
	0010				RT	STH 21	195	14	25		SHOULDER	0010	64+31 - 66+00	LT	ENSIGN RD	195	14	25		
	0010 0010	022.20			RT RT	STH 21 STH 21	190 482	14 34	24 61		SHOULDER SHOULDER	0010	80+00 - 82+00	RT	ENGELWOOD RD	235	17	30		
						STH 21	402	40	41		SHOULDER WIDENING	0010	137+60 - 140+16	LT	ENTERPRISE RD	235	17	30		
	0010				RT LT	STH 21	178	13	23		SHOULDER B-41-283	0010	140+16 - 145+10	LT	ENTERPRISE RD	294	21	37		
	0010				RT	STH 21	150	11	19		SHOULDER B-41-283									RTTURN LN WB
	0010	342+82	- 34	15+05	LT	STH 21	214	15	27		SHOULDER B-41-283	0010	150+14 - 152+77	RT	FORMICA RD	224	16	57		RT TURN LN EB
	0010				RT	STH 21	176	13	23		SHOULDER B-41-283	0010	152+77 - 155+34	RT	FORMICA RD	251	18	64		
	0010	515.00			RT	STH 21	1,477	104	187		SHOULDER	0010	158+00 - 161+42	CL	GORE AREA	229	17	58		
	0010	345+05 367+00			LT LT	STH 21 STH 21	1,474 160	104 12	186 21		SHOULDER SHOULDER B-41-222	0010	161+42 - 164+46	RT	RTTURN LN EB	229 607	43	58 153		
	0010	367+00 367+00			L I RT	STH 21 STH 21	124	9	16		SHOULDER B-41-222 SHOULDER B-41-222									
	0010	260 40			LT	STH 21	168	12	22		SHOULDER B-41-222	0010	164+46 - 167+50	LT	LT TURN LN WB	384	27	97		
	0010	369+49	- 37	70+75	RT	STH 21	139	10	18		SHOULDER B-41-222	0010	164+46 - 167+00	RT	HO CHUNK GAS	294	21	75		
	0010	5,6.65			RT	STH 21	1,142	80	144		SHOULDER		104140 - 107100	N1	STATION	2.54	21	75		
	0010	389+20			LT	STH 21	2,244	158	283		SHOULDER	0010	166+50 - 168+21	RT	ESPY RD	140	10	36		
	0010 0010				RT LT	STH 21 STH 21	2,239 142	157 10	283 18		SHOULDER SHOULDER B-41-205				AREA BETWEEN					LT TURN LN EB
	0010	100.05			RT	STH 21	115	9	15		SHOULDER B-41-205	0010	168+21 - 168+93	LT	MEDIANS	156	11	40		
	0010	424+37	- 42	25+41	LT	STH 21	144	11	19		SHOULDER B-41-205	0010	167+50 - 168+93	LT	ESPYRD	123	9	31		
	0010	424+37	- 42	25+41	RT	STH 21	84	6	11		SHOULDER B-41-205	0010	214+24 - 222+42	CL	GORE AREA	452	32	57		
	0010	120 12			RT	STH 21	1,004	71	127		SHOULDER	0010	223+75 - 228+50	RT	STH 173	481	34	61		LT TURN LN EB
	0010				LT	STH 21	1,009	71	128		SHOULDER	0010	229+67 - 233+55	LT	STH 173	529	37	67		RT TURN LN WB
	0010 0010				RT LT	STH 21 STH 21	2,561 2,556	180 179	323 323		SHOULDER SHOULDER	0010 0010	236+44 - 240+65 280+50 - 282+46	CL LT	GORE AREA MAIN ST	217 132	16 10	28 17		
	0010				RT	STH 21	468	33	59		SHOULDER	0010	295+00 - 298+91	RT	EVERGREEN AVE	39	3	5		
	0010	480+81	- 48	86+10	LT	STH 21	353	25	45		SHOULDER	0010	298+43 - 299+38	RT	YARD ST	49	4	7		
	0010	484+83			LΤ	STH 21	105	8	14		SHOULDER BY C&G	0010	302+00 - 302+50	RT	WISCONSIN ST	31	3	4		
	0010	486+10			LT	STH 21	288	21	37		SHOULDER B-41-223	0010	306+97 - 309+50	LT	COPPER RD	171	12	22		
	0010	100.00		38+92 90+90	RT LT	STH 21 STH 21	113 150	8	15 19		SHOULDER B-41-223 SHOULDER B-41-223	0010	308+00 - 308+67	RT	RAILRAOD ST	41	3	6		
	0010	488+90 488+90			RT	STH 21	119	9	15		SHOULDER B-41-223	0010	310+34 - 310+96	RT	1RST ST	35	3	5		
	0010	490+90			LT	STH 21	26,348	8	14		SHOULDER	0010	314+47 - 315+12	RT	2ND ST	27	2	4		
	0010	490+90	- 49	93+21	RT	STH 21	26,348	8	14		SHOULDER	0010	317+38 - 318+05	RT	3RD ST	51	4	7		
	0010	16+97	20)+50		RT TURN LN	371	26	47			0010	320+97 - 322+00	RT	EXCELSIOR AVE	96	7	13		
						SUBTOTAL 2	73,030	1,494	2,646	0		0010	385+90 - 390+40	RT	CTH PP	485	34	62		RT TURN LN EB
												0010	386+82 - 389+00	LT	DRAGONFLYRD	175	13	22		
												0010	387+90 - 390+25	RT	CTH PP	205	15	26		
												0010	389+00 - 392+25	LT		195	14	25		RT TURN LN WB
												0010 0010	439+41 - 441+66 440+40 - 441+45	LT RT	CRESCENT RD CRESCENT RD	154 68	11 5	20		
												0010	479+86 - 480+71	RT	FUNNEL RD	61	5	8		
												0010	379+90 - 480+81	LT	DUBLIN RD	68	5	9		
												0010			STH 21		1,210		1936	**DISTRESSED
																7 100		1 017		PAVEMENTAREAS
															SUBTOTAL 3	7,129	1,723 **PAVEMENT A	1,217 AREAS TO BE DETERM	1,936 INED BY ENGINEE	R IN THE FIELD.
															SUBTOTAL 1	134,811	11,032	19,148	1,142	
															SUBTOTAL 2	73,030	1,494	2,646	1,142 0	
															SUBTOTAL 3	7,129	1,723	1,217	1,936	
															TOTAL 0010	214,970	14,249	23,011	3,078	
	ROJECT NO:	7010-0	1-63				HWY: STH 22	1		COUNTY:	MONROF	T	MISCELLANEOUS QUA		FS				SHEET	
I	VOILCI NO:	1010-0	,T-03				11VVT. 31HZ.	Ŧ		COUNTY	IVIONINUE		IVII JULI LAINEUUS QUA		LJ				SHEEL	

CATEGORY	STATION TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	624.0100 WATER MGAL	REMARKS
0010	10.25	110.27	1 7	200	2.00	
0010	19+35 -	118+27	LT	308	3.08	SHOULDER
0010	19+35 -	79+92	RT	189	1.88	SHOULDER
0010	81+59 -	135+86	RT	169	1.69	SHOULDER
0010	118+61 -	125+81	LT	23	0.22	SHOULDER
0010	126+17 -	132+34	LT LT	<u> </u>	0.19	SHOULDER
0010	132+77 -	136+47			0.12	SHOULDER
0010	136+08 -	152+86	RT	52 5	0.52	SHOULDER
0010	137+28 -	138+78	LT	5	0.05	SHOULDER
0010	140+21 -	168+14	LT	87	0.87	SHOULDER
0010	154+21 -	164+46	RT	32	0.32	SHOULDER
0010	165+81 -	169+14	RT	10	0.10	SHOULDER
0010	206+77 -	219+67	LT	40	0.40	SHOULDER
0010	206+77 -	218+20	RT	36	0.36	SHOULDER
0010	218+58 -	219+49	RT	3	0.03	SHOULDER
0010	219+89 -	221+15	RT	4	0.04	SHOULDER
0010	221+35 -	228+29	LT	22	0.22	SHOULDER
0010	221+55 -	222+76	RT	4	0.04	SHOULDER
0010	223+12 -	225+80	RT	8	0.08	SHOULDER
0010	226+10 -	228+59	RT	8	0.08	SHOULDER
0010	229+69 -	256+47	RT	83	0.83	SHOULDER
0010	229+73 -	234+68	LT	16	0.15	SHOULDER
0010	235+25 -	256+91	LT	67	0.67	SHOULDER
0010	256+68 -	286+08	RT	91	0.91	SHOULDER
0010	257+25 -	258+02	LT	3	0.02	SHOULDER
0010	258+35 -	280+81	LT	140	1.40	SHOULDER
0010	282+43 -	303+89	LT	67	0.67	SHOULDER
0010	286+40 -	287+30	RT	3	0.03	SHOULDER
0010	287+56 -	295+06	RT	23	0.23	SHOULDER
0010	295+60 -	298+48	RT	18	0.18	SHOULDER
0010	299+13 -	302+02	RT	9	0.09	SHOULDER
0010	302+55 -	303+89	RT	4	0.04	SHOULDER
0010	304+14 -	307+92	LT	12	0.12	SHOULDER
0010	304+14 -	308+10	RT	12	0.12	SHOULDER
0010	308+75 -	310+34	RT	5	0.05	SHOULDER
0010	309+36 -	313+96	LT	14	0.14	SHOULDER
0010	321+95 -	341+45	RT	57	0.61	SHOULDER
0010	321+85 -	340+85	LT	73	0.59	SHOULDER
0010	342+98 -	368+35	RT	71	0.79	SHOULDER
0010	342+50 -	368+35	LT	54	0.80	SHOULDER
0010	369+29 -	387+75	RT	54	0.57	SHOULDER
0010	369+29 -	387+75	LT	58	0.57	SHOULDER
0010	389+08 -	419+31	RT	95	0.94	SHOULDER
0010	389+00 -	396+66	LT	24	0.24	SHOULDER
0010	397+07 -	401+92	LT	16	0.15	SHOULDER
0010	402+44 -	414+39	LT	38	0.37	SHOULDER

				305.0110	624.0100	
				BA5E AGGREGATE DEN5E 3/4-INCH	WATER	
ATEGORY	STATION TO	5TATION	LOCATION	TON	MGAL	REMARK5
0010	414+87 -	417+50	LT	9	0.08	5HOULDER
0010	417+80 -	420+14	LT	8	0.07	5HOULDER
0010	419+54 -	423+84	RT	14	0.13	5HOULDER
0010	417+82 -	420+11	LT	8	0.07	5HOULDER
0010	420+40 -	423+84	LT	11	0.11	SHOULDER
0010	424+27 -	440+25	RT	50	0.50	5HOULDER
0010	424+27 -	435+17	LT	34	0.34	5HOULDER
0010	435+40 -	440+25	LT	16	0.15	5HOULDER
0010	441+23 -	458+55	RT	54	0.54	5HOULDER
0010	441+48 -	452+13	LT	34	0.33	SHOULDER
0010	452+43 -	458+70	LT	20	0.20	5HOULDER
0010	458+85 -	479+65	RT	65	0.65	SHOULDER
0010	458+89 -	467+44	LT	27	0.27	5HOULDER
0010	467+64 -	468+80	LT	4	0.04	5HOULDER
0010	469+13 -	471+09	LT	7	0.06	SHOULDER
0010	471+17 -	477+59	LT	20	0.20	5HOULDER
0010	477+92 -	480+00	LT	7	0.06	SHOULDER
0010	480+51 -	488+79	RT	26	0.26	5HOULDER
0010	480+61 -	482+50	LT	6	0.06	5HOULDER
0010	482+65 -	483+70	LT	4	0.03	SHOULDER
0010	483+91	484+30	LT	2	0.02	5HOULDER
0010	484+45	484+70	LT	1	0.02	SHOULDER
0010	489+56 -	493+21	RT	12	0.11	5HOULDER
0010	489+56 -	493+21	LT	12	0.11	SHOULDER
			SUBTOTAL 2	451	4.41	
IOTE: ADDITIONA	AL AMOUNT5 OF ITE	EM 305.0110 BA		3/4-INCH FOUND UND		/ARY.
			5UBTOTAL 1	2,145	21.59	
			5UBTOTAL 2	451	4.41	

5UBTOTAL 2 TOTAL 0010

PERCENT WITHIN LIMITS SUMMARY

			460.0105.S	460.0110.S	
			HMA PERCENT	HMA PERCENT	
			WITHIN LIMITS	WITHIN LIMITS	
			(PWL) TEST STRIP	(PWL) TEST STRIP	
			VOLUMETRICS	DENSITY	
STATION	TO STAT	ION LOCATION	EACH	EACH	REMARKS
16+75	- 493+	21 STH 21	1	2	
		TOTAL 0010	1	2	
			STATION TO STATION LOCATION 16+75 - 493+21 STH 21	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS STATION TO STATION LOCATION EACH 16+75 - 493+21 STH 21 1	460.0105.S460.0110.SHMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICSHMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITYSTATIONTO16+75-493+21STH 2112

NOTE: ADDITIONAL AMOUNTS OF ITEM 305.0110 BASE AGGREGATE DENSE 3/4-INCH FOUND UNDER DRIVEWAY SUMMARY.

PROJECT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE	MISCELLANEC	US QUANTITIES	
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG		PLOT DATE : 9/29/2022	9:17 AM PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :

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451	4.41
2,596	26

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SHEET

LOCATION					MIXTURE	UNDERLYING	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED	FOR:	ARTMENT; VE ARTMENT; VE ARTMENT; VE ARTMENT; VE ARTMENT; VE
	STATION	ТО	STATION	LOCATION	USE:	SURFACE				MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE	
	16+75	-	150+00	CL	-							
	150+00	-	168+93	CL	_							
	206+60		303+89	CL	-							
DRIVING LANE	304+14	80	341+26	CL	JPPER LAYE	MILLED EXISTING	4 MT58-28 S	14,602	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT	INCENTIVE DENSITY PWL HMA PAVEMENT	
	342+90	-	368+55	CL	-	HMA SURFACE		ŕ		460.2010	DENSITY ACCEPTANCE DENSITY ACCEPTANCE INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005 T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T INCENTIVE DENSITY PWL HMA PAVEMENT; 460.2005 T INCENTIVE DENSITY PWL HMA PAVEMENT; ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE T ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE	
	369+79	-	424+04	CL	-							
	424+46	-	489+00	CL	-							
	489+76	-	493+21	CL								
DRIVING LANE	150+00	-	168+93	CL	.OWER LAYE	ISE AGGREG4	4 MT 58-28 S	637	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	· · · · · · · · · · · · · · · · · · ·	
3 FOOT SHOULDER		TOTAL LENG	GTH 48,249 F	Г Г	UPPER LAYER	MILLED EXISTING	4 MT 58-28 S	2,033	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010		
3 FOOT SHOULDER		TOTAL LEN	GTH 3,457 FT		OWER LAYE	ISE AGGREGA	4 MT58-28 S	147	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	,	
SHOULDER WIDENING		TOTAL LENG	GTH 45,073 F	Г	UPPER LAYER	ASPHALTIC SURFACE	4 MT 58-28 S	6,590	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	· · · · · · · · · · · · · · · · · · ·	
SHOULDER WIDENING		TOTAL LEN	GTH 4,902 FT		OWER LAYE	ISE AGGREGA	4 MT 58-28 S	139	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	· · · · · · · · · · · · · · · · · · ·	
6 FOOT SHOULDER		TOTAL LENG	GTH 31,506 F	Г	UPPER LAYER	MILLED EXISTING	4 MT 58-28 S	2,652	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010		I
BEAMGUARD SHOULDER AREA		TOTAL LENG	GTH 2,624 FT		UPPER LAYER	MILLED EXISTING HMA	4 MT 58-28 S	318	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010		Ī

PROJECT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE		MISCELLANEOUS	S QUANTITIES	
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG		PLOT DATE : 9/29/2	9/2022 9:17 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :

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OMMENTS	
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SHEET

OCATION					MIXTURE	JNDERLYING	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED	EOR:	сом
	STATION	ТО	STATION	LOCATION	USE:	SURFACE				MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE	
	16+75	-	20+50	LT								
	64+31	-	66+00	LT								
	80+00	-	82+00	RT								
	137+60	-	140+16	LT								
	140+16	-	145+10	LT								
	150+14	-	152+77	RT								
Ļ	152+77	-	155+34	RT	-							
Ļ	158+00	-	161+42	CL	4							
-	161+42	-	164+46	RT	4							НС
	164+46	85	167+50	LT	-							
	164+46	**	167+00	RT	-							
F	166+50	-	168+21	RT	-							
F	168+21		169+06		-							
-	167+50	-	169+06		-							
	214+24	-	222+42		-							
	223+75	-	228+50	RT	-							
F	229+67	-	233+55 240+65			MILLED	4 14750 20					
SIDELINE INTERSECTIONS	236+44 280+50	-	240+65		UPPER LAYER	EXISTING HMA	4 MT 58-28 S	912	2 1/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE EOR INCENTIVE	
	295+00		298+91	RT		SUREACE	5			400.2010		
F	293+00	-	299+38	RT	-	50112102						
F	302+00	_	302+50	RT	1							
F	306+97	_	309+50	LT	-							
F	308+00	-	308+67	RT	1							
F	310+34	_	310+96	RT	-							
F	314+47	-	315+12	RT								
ľ	317+38	-	318+05	RT]							
Γ	320+97	-	322+00	RT								
	385+90	-	390+40	RT								
	386+82	-	389+00	LT								
	387+90	-	390+25	RT								
	389+00	-	392+25	LT								
F	439+41		441+66	LT	1							
Ľ	440+40		441+45	RT								
Ļ	479+86	-	480+71	RT	_							
	379+90	-	480+81	LT								<u> </u>
SHOULDER WIDENING	Т	OTAL LEN	GTH 40,637 E	Т	LOWER LAYER	BASE COURSE	ASPHALTIC SURFACE	1,142	2 1/4"	QMP PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION	

PROJECT NO: 7010-01-63	HWY: STH 21	COUNT			MISCELLANEOU	s quantities		
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG			PLOT DATE :	9/29/2022 9:17 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :	

IMENTS

RT TURN LANE STH 21 / ENSIGN RD INT STH 21 / ENGELWOOD RD INT STH 21/ENTERPRISE RD ENTERPRISE RD RIGHT TURN LANE WEST BOUND EORMICA RD RIGHT TURN LANE EAST BOUND STH 21/EORMICA RD GORE AREA CHUNK GAS STATION RIGHT TURN LANE EAST BOUND AREA BETWEEN MEDIAN HO CHUNK GAS STATION ESPY RD LEET TURN LANE EAST BOUND AREA BETWEEN MEDIANS STH 21 / ESPY RD GORE AREA STH 173 LEET TURN LANE EAST BOUND STH 173 RIGHT TURN LANE WEST BOUND GORE AREA STH 21 / MAIN ST STH 21 / EVERGREEN AVE STH 21 / YARD ST STH 21 / WISCONSIN STH 21 / COPPER RD STH 21 RAILRAOD ST STH 21 / 1RST ST STH 21 / 2ND ST STH 21 / 3RD ST STH 21 EXCELSIOR AVE CTH PP RIGHT TURN LANE EAST BOUND STH 21 / DRAGONELY RD STH 21 / CTH PP DRAGONELY RD RIGHT TURN LANE WEST BOUND STH 21 / CRESCENT RD STH 21 / CRESCENT RD STH 21 / EUNNEL RD STH 21 / DUBLIN RD

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PLOT SCALE : 1" = 1'

SHEET

			465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS 2-LANE RURAL				RUM	<u>MBLE STRIP SUMMARY</u>	465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS	
CATEGORY	STATION TO STATION	LOCATION	LF	LF	REMARKS					2-LANE RURAL	2-LANE RURAL	
0010	40.50 00.00			4 4 9 9			ATEGORY	STATION TO STATION		LF	LF	REMAR
0010 0010	18+50 - 63+38 16+95 - 19+92	CL LT	238	4,488			0010	283+50 - 293+12	CL	440	962	
0010	16+95 - 19+92 16+95 - 40+50	RT	238 1,884				0010	288+25 - 293+75 322+25 - 340+40	RT	440		
0010	20+50 - 38+75	LT	1,884				0010 0010	322+25 - 340+40 323+50 - 340+40	LT RT	1,452		
0010	39+50 - 40+00	LT	40		<u> </u>		0010	323+50 - 340+40	CL	1,352	1,690	
0010	41+00 - 42+50	LT	120				0010	343+54 - 367+90	RT	1,949	1,050	
0010	41+50 - 44+75	RT	260				0010	343+54 - 367+90	LT	1,949		
0010	43+50 - 45+90	LT	192				0010	343+54 - 367+90	CL	1,545	2,436	
0010	45+50 - 47+00	R⊤	120				0010	369+75 - 386+25	LT	1,320	2, 100	
0010	50+50 - 53+00	LT	200				0010	369+75 - 386+75	RT	1,360		
0010	53+75 - 54+75	LT	80				0010	369+75 - 386+34	CL	,	1,659	
0010	56+50 - 59+00	R⊤	200				0010	390+34 - 423+36	CL		3,302	
0010	60+00 - 63+50	LT	280				0010	390+75 - 423+36	RT	2,609		
0010	66+25 - 117+75	LT	4,120				0010	392+00 - 396+50	LT	360		
0010	67+38 - 78+75	CL		1,137			0010	397+25 - 401+00	LT	300		
0010	82+25 - 138+75	R⊤	4,520				0010	403+00 - 414+00	LT	880		
0010	82+75 - 137+30	CL		5,455			0010	415+25 - 419+75	LT	360		
0010	118+75 - 121+25	LT	200				0010	420+75 - 423+36	LT	209		
0010	122+25 - 125+50	LT	260				0010	424+73 - 438+75	CL		1,402	
0010	126+25 - 132+00	LT	460				0010	424+73 - 427+00	LT	182		
0010	132+75 - 135+25	LT	200				0010	424+73 - 439+25	RT	1,162		
0010	140+00 - 150+00	R⊤	800				0010	427+75 - 435+00	LT	580		
0010	141+30 - 151+25	CL		995			0010	442+00 - 451+75	LT	780		
0010	143+25 - 166+75	LT	1,880				0010	442+75 - 478+25	CL		3,550	
0010	155+75 - 156+25	CL		50			0010	443+00 - 458+25	RT	1,220		
0010	155+75 - 158+75	R⊤	240				0010	452+75 - 458+50	LT	460		
0010	167+00 - 169+14	R⊤	171				0010	459+00 - 478+50	RT	1,560		
0010	206+60 - 216+40	CL		980			0010	459+00 - 467+25	LT	660		
0010	206+60 - 217+00	RT	832				0010	469+75 - 470+75	LT	80		
0010	207+50 - 209+00	LT	120				0010	471+50 - 477+25		460		
0010	211+25 - 213+75	LT	200				0010	478+00 - 479+00	LT	80		
0010	214+50 - 216+50	LT	160				0010 0010	481+64 - 482+25 481+43 - 488+34	LT RT	49 553		
0010 0010	220+25 - 220+75 221+75 - 224+00	RT	40 180				0010	481+45 - 488+34	CL	222	609	
							0010	482+23 - 483+34 483+00 - 483+50	LT	40	009	
0010 0010	221+75 - 222+25 225+00 - 226+25	R⊤ L⊤	40 100				0010	485+00 - 485+30	LI	175		
0010	230+00 - 242+50	R⊤	1,000				0010	490+03 - 493+21	CL		318	
0010	235+50 - 240+25	LT	380				0010	490+03 - 493+21	LT	254		
0010	241+00 - 279+50	CL	555	3,850			0010	490+03 - 493+21	RT	254		
0010	243+00 - 254+75	LT	940	-,					PAGE 2 SUBTOTAL	23,088	15,928	
0010	243+50 - 246+50	R⊤	240							-		
0010	247+50 - 252+25	RT	380						PAGE 1 SUBTOTAL	27,529	16,955	
0010	253+00 - 256+00	R⊤	240						PAGE 2 SUBTOTAL	23,088	15,928	
0010	255+75 - 256+50	LT	60						TOTAL 0010	50,617	32,883	
0010	256+75 - 269+00	R⊤	980									
0010	258+50 - 260+00	LT	120									
0010	261+00 - 280+00	LT	1,520									
0010	271+25 - 285+65	R⊤	1,152									
0010	282+25 - 293+75	LT	920									
		PAGE 1 SUBTOTAL	. 27,529	16,955								
T NO: 70	10-01-63		STH 21		COUNTY: M	-		LANEOUS QUANTITIES				

FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 07

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PLOT DATE : 9/29/2022 9:17 AM PLOT BY : KLUDY, KATHLEEN M PLOT NAME : PLOT SCALE : 1" = 1'

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643.0900 TRAFFIC CONTROL SIGNS

			NO.	NO.		
CATEGORY	STATION	LOCATION	SIGN	DAY	DAY	REMARKS
0010			5	30	150	BEGIN PROJECT
0010	65+51	LT	1	30	30	ENSIGN RD
0010	80+89	RT	1	30	30	ENGELWOOD RD
0010	139+49	LT	1	30	30	ENTERPRISE RD
0010	153+43	RT	1	30	30	FORMICARD
0010	168+58	LT	1	30	30	ESPY RD INT
0010	189+45	LT	1	30	30	EUREKA RD
0010	189+45	RT	1	30	30	ESSEX AVE
0010	229+06	LT	1	30	30	STH 173
0010	229+06	RT	1	30	30	CTH N
0010	281+59	LT	1	30	30	MAIN ST
0010	295+23	RT	1	30	30	EVERGREEN
0010	298+75	RT	1	30	30	YARD S⊤
0010	302+24	RT	1	30	30	WISCONSIN ST
0010	308+52	LT	1	30	30	COPPER RD
0010	308+49	RT	1	30	30	RAILROAD ST
0010	310+68	RT	1	30	30	1RST ST
0010	314+75	RT	1	30	30	2ND ST
0010	317+68	RT	1	30	30	3RD ST
0010	321+59	RT	1	30	30	EXCELSIOR AVE
0010	388+45	RT	1	30	30	CTH PP
0010	388+45	LT	1	30	30	DRAGONFLY RD
0010	440+92	RT	1	30	30	CRESCEN⊤ RD
0010	440+99	LT	1	30	30	CRESCEN⊤ RD
0010	480+34	RT	1	30	30	FUNNEL RD
0010	480+34	LT	1	30	30	DUBLIN RD
		TOTAL 0010			1,050	

		A	ADJUSTING S	STEEL PLATE BEAM GU	<u>ARD SUMMARY</u>		
					614.0400	614.0950	
						REPLACING	
					ADJUSTING	GUARDRAIL	
					STEEL PLATE	POSTS AND	
					BEAM GUARD	BLOCKS	
CATEGORY	STATION	TO	STATION	LOCATION	LF	EACH	REMARKS
0010	339+81	-	343+65	LT	384	4	B-41-283
0010	340+52	-	344+36	RT	384	4	B-41-283
0010	367+14	-	370+73	LT	359	4	B-41-222
0010	367+16	-	370+74	RT	358	4	B-41-222
0010	422+93	-	425+35	LT	242	4	B-41-205
0010	422+93	-	425+35	RT	242	4	B-41-205
0010	486+25	-	490+73	LT	448	4	B-41-223
0010	487+87	-	490+69	RT	282	4	B-41-223
				TOTAL 0010	2,699	32	

		MOV	<u>ING SIGNS SUM</u>	MARY			
				634.0618	638.2102	638.3000	
				POSTS WOOD		REMOVING	
				4X6-INCH X 18-	MOVING SIGNS	SMALL SIGN	
				FT	TYPE II	SUPPORTS	
CATEGORY	STATION TO	STATION	LOCATION	EACH	EACH	EACH	REMARKS
0010	16+75 -	493+21	CL	11	11	11	NO PASSING SIGNS
			TOTAL 0010	11	11	11	

		<u>643.0300 TF</u>	RAFFIC CONTROL D	<u>rums</u>	
		NO.	NO.		
CATEGORY	LOCATION	DRUMS	DAY	DAY	REMARKS
0010	ENSIGN RD	10	14	140	C&G PROTECTION
0010	ENGELWOOD RD	10	14	140	C&G PROTECTION
0010	ENTERPRISE RD	10	14	140	C&G PROTECTION
0010	FORMICA RD	10	14	140	C&G PROTECTION
0010	HO CHUNK GAS STATION	10	14	140	C&G PROTECTION
0010	ESPY RD INT	10	14	140	C&G PROTECTION
0010	MAIN ST	10	14	140	C&G PROTECTION
0010	WYEVILLE SCHOOL	10	14	140	C&G PROTECTION
0010	COPPER RD	10	14	140	C&G PROTECTION
0010	STH 173	10	14	140	C&G PROTECTION
0010	CTH N	10	14	140	C&G PROTECTION
0010	CTH PP	10	14	140	C&G PROTECTION
0010	DRAGONFLY RD	10	14	140	C&G PROTECTION
	TOTAL 0010		-	1,820	

CATEGORY	LOCATION	DAY	REM
0010	BEGINNING OF PROJECT	7	
0010	END OF PROJEC⊤	7	
	TOTAL 0010	14	

PROJECT NO:	7010-01-63	HWY: STH 21	COUNTY: MONROE		MISCELLANEOU	IS QUANTITIES	
				10/C/2022 7-EC ANA	DI OT DV -	KUUDV KATULEENINA	DI OT NAME :

3

3

MARKS

	MARKING	SLINE EPOXY 4-INCH	<u>I SUMMARY</u> 643.3120	646.1020	646.1040	646.4520			<u>64</u>	6.7120 MARKIN	IG DIAGONAL EPOXY	12-INCH	
CATEGORY	STATION TO STATION	LOCATION	TEMPORARY MARKING LINE EPOXY 4-INCH LF	MARKING LINE EPOXY 4-INCH LF			REMARKS	CATEGORY 0010 0010 0010			CL CL 1	F REMARKS 73 GORE 25 GORE 98 GORE	_
0010 0010	19+35 - 493+21 19+35 - 493+21	CL CL	73,646	36,823	77,877	36,823	WHITE EDGELINE YELLOW CL	0010	236+30 -	240+74	CL	60 GORE 56	
0010	19139 - 493121	TOTAL 0010	73,646	36,823	77,877	36,823				<u>646.8020</u>	MARKING CORRUG	TED MEDIAN EPOXY	
,	646.3040 MARKI	ING LINE GROOVED	WET REF EPOXY 8-II	NCH				CATEGORY	STATION	TO STATION	LOCATION	SF	REMARKS
CATEGORY	STATION TO STATION	LOCATION		LF	REMARKS								
0010 0010 0010 0010	140+00 - 141+22 151+82 - 152+63 161+13 - 164+34	ENTERPRISE RD I FORMICA RD IN HO CHUNK GAS STA HO CHUNK GAS STA	NT NT ATION	122 RTT 81 RT 321 RT	'URN LANE WB TURN LANE EB TURN LANE EB 'URN LANE WB			0010 0010 0010 0010 0010	165+50 169+00 222+32	 164+45 168+00 171+85 228+00 236+25 	CL CL CL CL CL	1,932 445 1,730 1,168 1,942	STH 21/ ESPY RD INTERSECTION STH 21/ ESPY RD INTERSECTION STH 21/STH 173 INTERSECTION STH 21/STH 173 INTERSECTION
0010 0010 0010 0010	167+52 - 168+08 224+85 - 228+25 227+25 - 228+25	ESPY RD INT STH 173 INT CTH N INT		56 LT 1 340 LT 1	TURN LANE EB TURN LANE EB TURN LANE EB				<u>646.8220 N</u>	IARKING ISLANE	TOTAL 001) <u>NOSE EPOXY</u> YELLOW) 7,217	
0010 0010	229+52 - 231+18 229+52 - 233+13	CTH N INT STH 173 INT			TURN LANE WB TURN LANE WB			CATEGORY	STATION	LOCATION	EACH	REMARKS	
0010 0010	384+70 - 387+95 389+00 - 390+10	CTH PP INT DRAGONFLY RD I TOTAL 0010	INT	325 RT	TURN LANE EB TURN LANE WB			0010 0010 0010	161+25 164+50 165+50	LT LT LT	1 1 1		
	646.5020 MARKING ARROV							0010 0010	168+07 168+93	LT LT	1 1		
								0010	171+92	LT	1	-	
CATEGORY 0010	STATION LOCATION 225+25 RT	EACH 1	REMAR					0010 0010	222+25 228+35	RT RT	1		
0010	228+10 RT	1	LT TURN LANE OF					0010 0010	229+50 236+30	R⊤ R⊤	1		
0010 0010	229+75 LT 230+98 LT _ TOTAL 0010	1 1 4	LT TURN LANE C LT TURN LANE C					0010	230130	TOTAL 0010	10	-	
	<u>646.5120 MARKING WORD E</u>	ΦΟΧΛ							<u>6</u>	548.0100 LOCA	TING NO-PASSING ZC	<u>NES</u>	
								CATEGORY		O STATION L			<u>S</u>
CATEGORY 0010	STATION LOCATION 227+70 RT TOTAL 0010	EACH 1 1	REMARKS ONLY					0010	16+75	- 493+21 T(CL <u>8.</u> DTAL 0010 8.		
<u>646</u>	5.5320 MARKING RAILROAD CROSSIN	NGS EPOXY							650.80	00 CONSTRUCT	ON STAKING RESURE	ACING REEERENCE	
CATEGORY 0010 0010	STATION LOCATION 300+69 RT 306+94 LT	EACH 1 1	REMARKS					CATEGORY 0010	STATION TO 16+75 -		LOCATION CL	LE R 47,646 47,646	REMARKS
0010	TOTAL 0010	2											
PROJECT NO:	7010-01-63	Н	WY: STH 21		COL	JNTY: MONROE		MISCELLANEOU	s quantities				SHEET

690.0150 SAWING ASPHALT

690.0150 SAWING ASPHALT C	
	OMINIOLD

CATEGORY		TO STATION	LOCATION	LE	REMARKS	EIRE NUMBER
0010	17+25		R⊤	45	P.E. ASPH.	1111
0010	41+18		R⊤	16	P.E. ASPH.	25611
0010	43+04		LT	34	P.E. ASPH.	25638
0010	46+39		LT	16	P.E. ASPH.	25692
0010	47+28		LT	18	P.E. ASPH.	25700
0010	47+47		R⊤	18	P.E. ASPH.	25721
0010	50+20		LT	20	P.E. ASPH.	25754
0010	53+48		LT	19	P.E. ASPH.	25822
0010	55+38		LT	26	P.E. ASPH.	25860
0010	64+92	- 66+16	LT	124	ENSIGN RD	
0010	80+45	- 81+29	RT	84	ENGELWOOD RD	
0010	118+42		LT	19	P.E. ASPH.	27042
0010	126+10		LT	18	P.E. ASPH.	27138
0010	132+41		LT	38	C.E. ASPH.	28843
0010	136+00		RT	12	C.E. ASPH.	28843
0010	136+54		LT	81	P.E. ASPH.	
0010	138+78	- 140+21	LT	143	ENTERPRISE RD	
0010	152+86	- 154+21	RT	135	FORMICA RD	
0010	164+53	- 165+81	R⊤	128	GAS STATION	
0010	168+14	- 169+41	LT	127	ESPY RD INT	
0010	168+93		CL	51		
0010	206+77		CL	36		
0010	218+50		R⊤	18	C.E. ASPH.	28843
0010	219+75		R⊤	20	C.E. ASPH.	28843
0010	220+75		LT	35	C.E. ASPH.	28888
0010	221+40		RT	22	P.E. ASPH.	28897
0010	223+00		R⊤	17	P.E. ASPH.	28925
0010	228+29	- 229+73	LT	144	STH 173	
0010	228+59	- 229+69	R⊤	110	CTH N	
0010	235+15		LT	39	P.E. ASPH.	29537
0010	256+75		R⊤	14	P.E. ASPH.	29542
0010	257+20		LT	16	P.E. ASPH.	
0010	258+40		LT	17	P.E. ASPH.	
0010	281+13	- 282+23	LT	110	MAIN ST	
0010	286+30		RT	12	P.E. ASPH.	311
0010	287+70		R⊤	23	C.E. ASPH.	225
0010	295+06	- 295+60	RT	54	EVERGREEN AVE	
0010	298+48	299+13	R⊤	65	YARD ST	
0010	302+02	- 302+55	RT	53	WISCONSIN ST	
0010	307+92	- 309+36	LT	144	COPPER RD	
0010	308+10	- 308+75	RT	65	RAILROAD ST	
0010	311+42	- 312+04	RT	62	EIRST ST	
0010	314+49		LT	45	P.E. ASPH.	680
0010	314+47	- 315+12	R⊤	65	SECOND S⊤	
0010	315+35		LT	40	P.E. ASPH.	700
0010	317+38	- 318+05	RT	67	THIRD ST	
0010	318+65		LT	46	P.E. ASPH.	714
0010	319+70		LT	36	C.E. ASPH.	
0010	320+97	- 322+15	R⊤	118	EXCELSIOR AVE	
0010	321+50		LT	51	C.E. ASPH.	832

CATEGORY	STATION	TO S	STATION	LOCATION	LF	REMARKS	FIRE NUMBER
0010	387+95	- 3	389+20	LT	125	DRAGONFLY RD INT	
0010	387+96	- 3	389+27	RT	131	CTH PP	
0010	397+00			LT	20	P.E. ASPH.	
0010	402+45			LT	32	C.E. ASPH.	32386
0010	440+54	- 4	41+66	LT	112	CRESCENTRD	
0010	440+46	- 4	141+45	RT	99	CRESCENT RD	
0010	469+15			LT	20	C.E. ASPH.	33450
0010	477+85			LT	10	P.E. ASPH.	33692
0010	479+86	- 4	180+71	RT	85	FUNNEL RD	
0010	480+00	- 4	180+81	LT	81	DUBLIN RD	
0010	485+15			LT	35	P.E. ASPH.	
0010	485+85			LT	41	P.E. ASPH.	33842
				SUBTOTAL 2	791		
				SUBTOTAL 1	2,716		
				SUBTOTAL 2	791		
				TOTAL 0010	3,507		
			<u>690.0</u>	250 SAWING CONC	RETE		
CATEGORY	STATION T	to st	TATION	LOCATION	LF	REMARKS	
0010	80+00	- 80)+23	RT	3	C&G	
0010			+27	RT	3	C&G	
				TOTAL 0010	6		
SPV O		(01 V		RK REFERENCE MO	NUMENTS)		
CATEGORY	STATION	101. 1	LOCATION		EACH	REMARKS	
0010	49+00		RT 49 FT		1		
0010	152+75		RT 148 FT				
0010							
0010					1		
0010	229+12		LT 103 FT TOTAL 0010		1 3		
OTE: IF THE LAN	229+12 IDMARK REFEREN		LT 103 FT TOTAL 0010 DNUMENT CAN		1 3 IS DAMAGED DO NO	T USE THIS ITEM.	
OTE: IF THE LAN <u>SF</u>	229+12 IDMARK REFEREN PV.0060.02 SPEC	CIAL (O	LT 103 FT TOTAL 0010 DNUMENT CAN	REFERENCE MONUM	1 3 IS DAMAGED DO NO MENTS MODIFIED)		
OTE: IF THE LAN <u>SF</u>	229+12 IDMARK REFEREN	CIAL (O	LT 103 FT TOTAL 0010 DNUMENT CAN		1 3 IS DAMAGED DO NO MENTS MODIFIED)	IT USE THIS ITEM. IEMARKS	
OTE: IF THE LAN	229+12 IDMARK REFEREN PV.0060.02 SPEC	CIAL (O	LT 103 FT TOTAL 0010 DNUMENT CAN	REFERENCE MONUN EACH 1	1 3 IS DAMAGED DO NO MENTS MODIFIED) R		
OTE: IF THE LAN <u>SP</u> ATEGORY	229+12 IDMARK REFEREN PV.0060.02 SPEC	<u>CIAL (O:</u> DN	LT 103 FT TOTAL 0010 DNUMENT CAN	REFERENCE MONUN EACH	1 3 IS DAMAGED DO NO MENTS MODIFIED) R	EMARKS	
OTE: IF THE LAN <u>SP</u> CATEGORY 0010	229+12 IDMARK REFEREN <u>PV.0060.02 SPEC</u> LOCATIC TOTAL 00	<u>CIAL (0:</u> DN D10	LT 103 FT TOTAL 0010 DNUMENT CAN 2. LANDMARK	REFERENCE MONUN EACH 1 1	1 3 IS DAMAGED DO NO MENTS MODIFIED) R	ISTRIBUTED	
OTE: IF THE LAN <u>SP</u> CATEGORY 0010 DTE: USE THIS ITE	229+12 IDMARK REFEREN <u>PV.0060.02 SPEC</u> LOCATIC TOTAL 00 EM IF LANDMARI	<u>CIAL (0)</u> DN D10 K REFEI	LT 103 FT TOTAL 0010 DNUMENT CAN 2. LANDMARK	REFERENCE MONUN EACH 1 1	1 3 IS DAMAGED DO NO MENTS MODIFIED) R UND OUND OR IS DAMAG	ISTRIBUTED	
OTE: IF THE LAN <u>SP</u> CATEGORY 0010 DTE: USE THIS ITE	229+12 IDMARK REFEREN <u>PV.0060.02 SPEC</u> LOCATIC TOTAL 00 EM IF LANDMARI	<u>CIAL (0)</u> DN D10 K REFEI	LT 103 FT TOTAL 0010 DNUMENT CAN 2. LANDMARK	EACH EACH 1 1 MENT CANNOT BE FO	1 3 IS DAMAGED DO NO MENTS MODIFIED) R UND OUND OR IS DAMAG	ISTRIBUTED	
OTE: IF THE LAN <u>SE</u> ATEGORY 0010 DTE: USE THIS ITE <u>SPV.0180.01 S</u>	229+12 IDMARK REFEREN PV.0060.02 SPEC LOCATIC TOTAL 00 EM IF LANDMARI SPECIAL (01. REM	<u>CIAL (0)</u> DN D10 K REFEI	LT 103 FT TOTAL 0010 DNUMENT CAN 2. LANDMARK RENCE MONUN 3 DISTRESSED F	EACH 1 1 MENT CANNOT BE FO 2AVEMENT MILLING	1 3 IS DAMAGED DO NO MENTS MODIFIED) R UND OUND OR IS DAMAG	ISTRIBUTED	

PROJECT NO: 7010-01-63	HWY: STH 21	COUNTY: MONROE		MISCELLANEOUS QUANTITIES		
FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\030201-MQ.DWG		PLOT DATE :	9/29/2022 9:17 AM	PLOT BY :	KLUDY, KATHLEEN M	PLOT NAME :

LAYOUT NAME - 10

3

3

SHEET



FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 050201-pn PLOT DATE : 7/28/2022 10:57 AM PLOT BY : KLUDY, KATHLEEN M

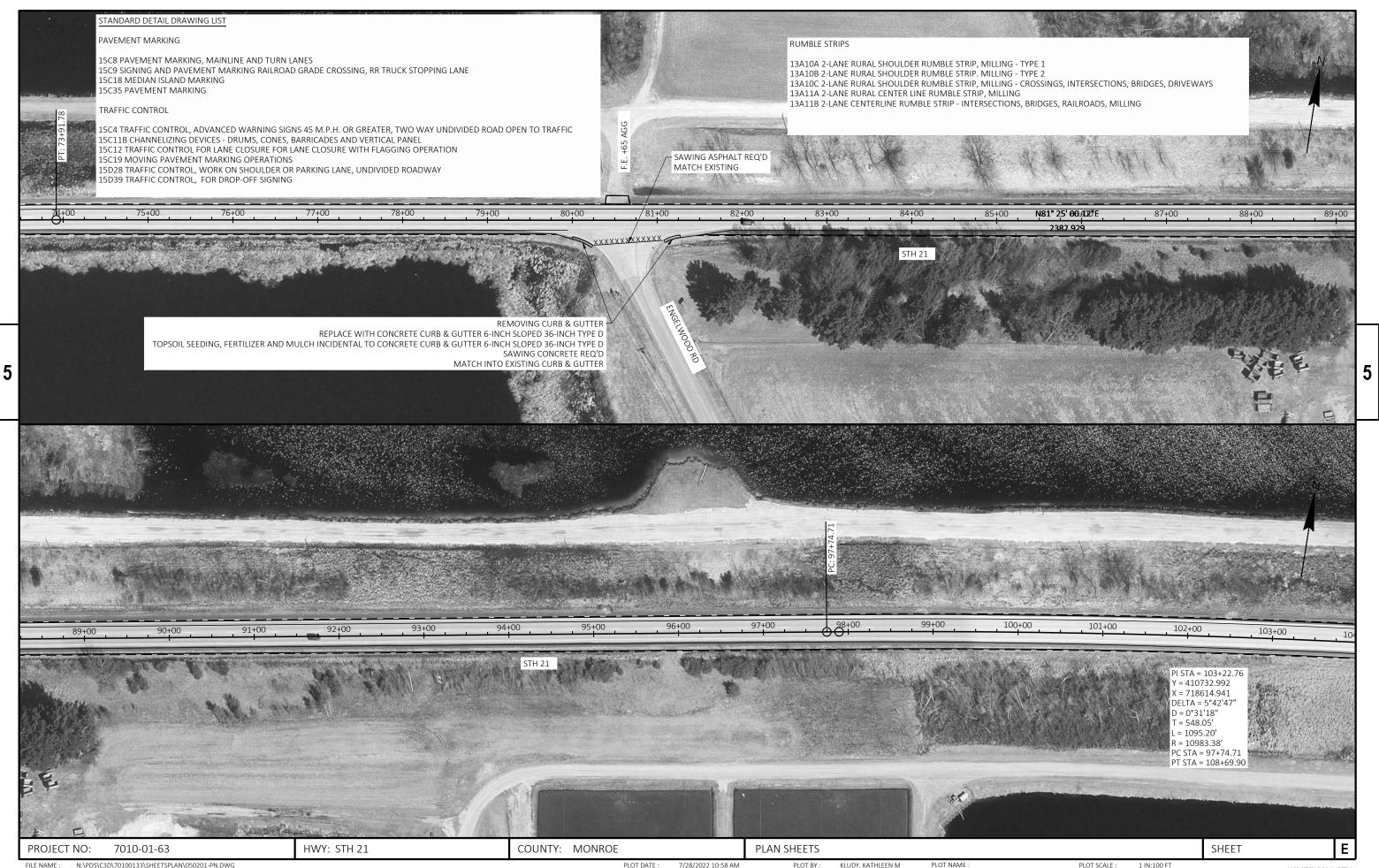
PLOT NAME :



PLOT SCALE :

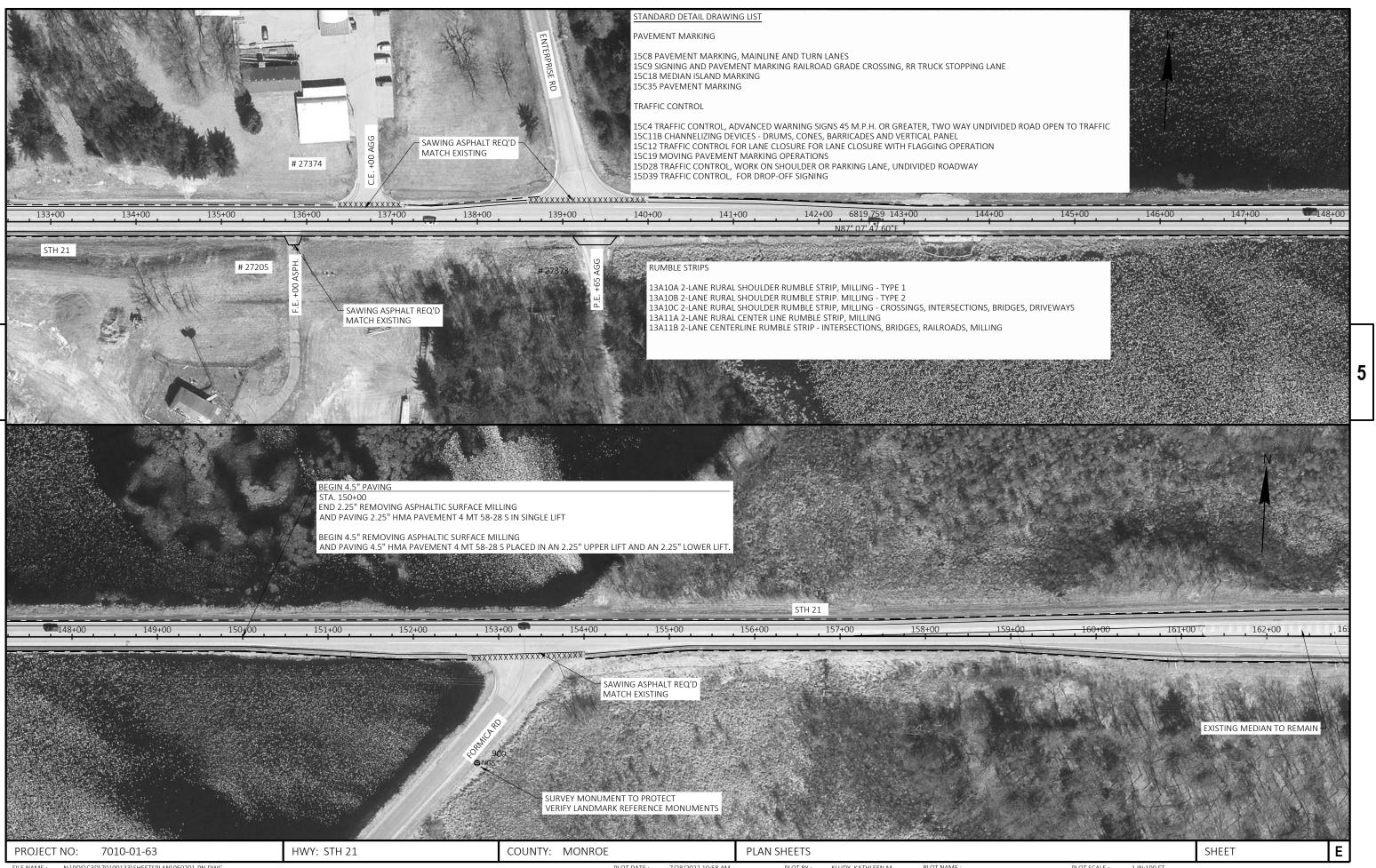
1 IN:100 FT

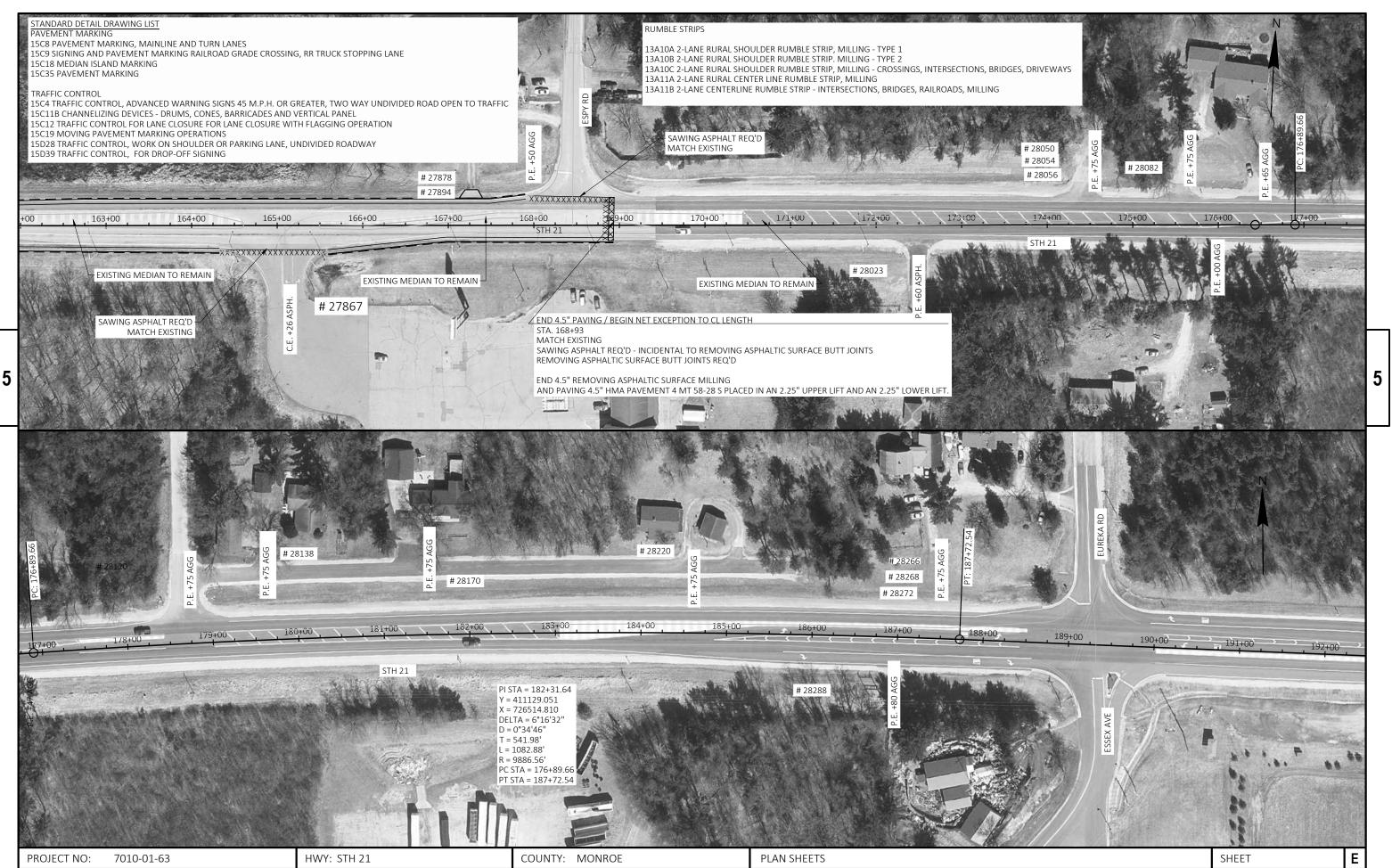
WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44







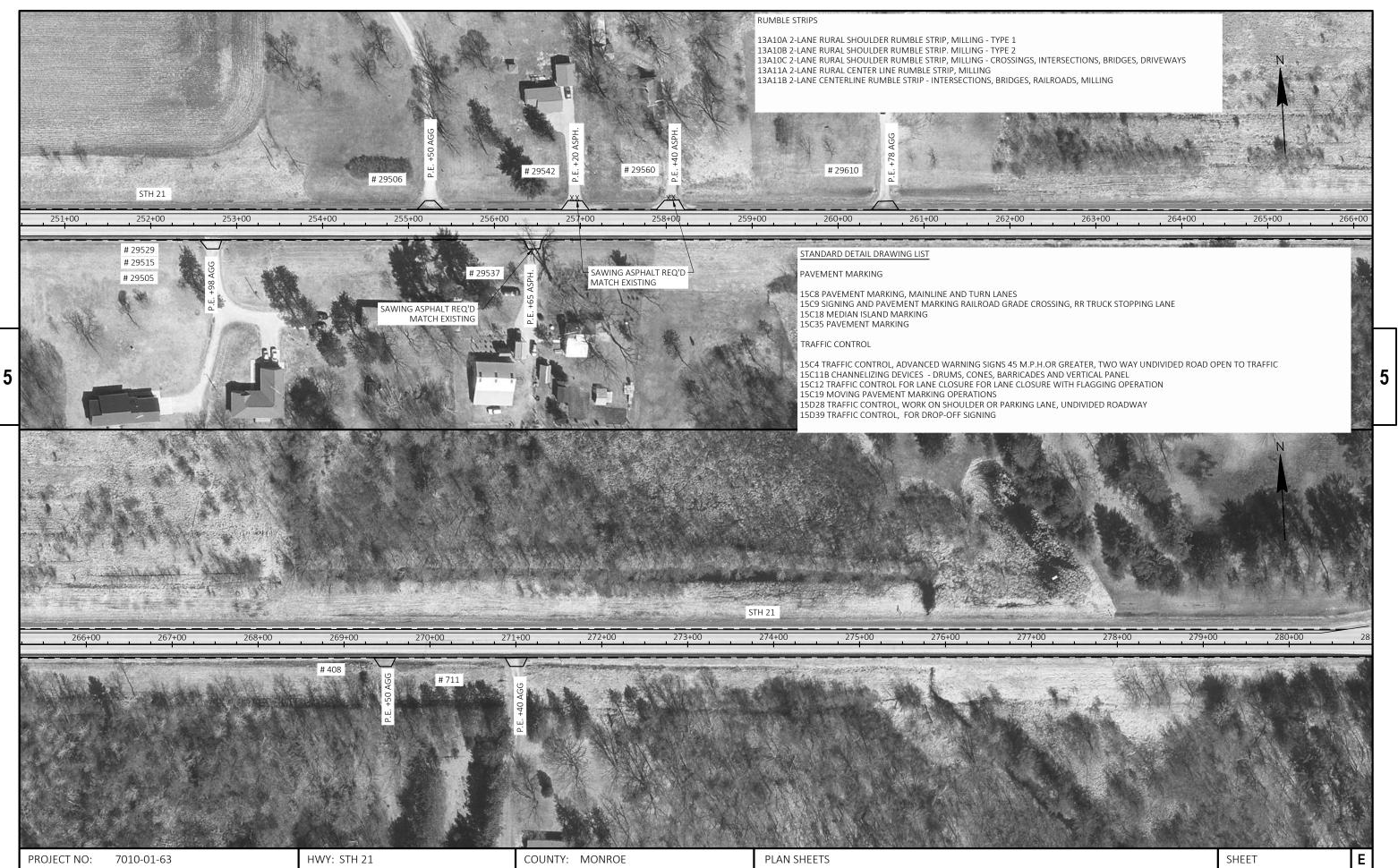
PLOT NAME :



FILE NAME : N:\PDS\C3D\70100133\SHEETSPLAN\050201-PN.DWG LAYOUT NAME - 050207-pn PLOT DATE : 7/28/2022 10:58 AM PLOT BY : KLUDY, KATHLEEN M

N M PLOT NAME :





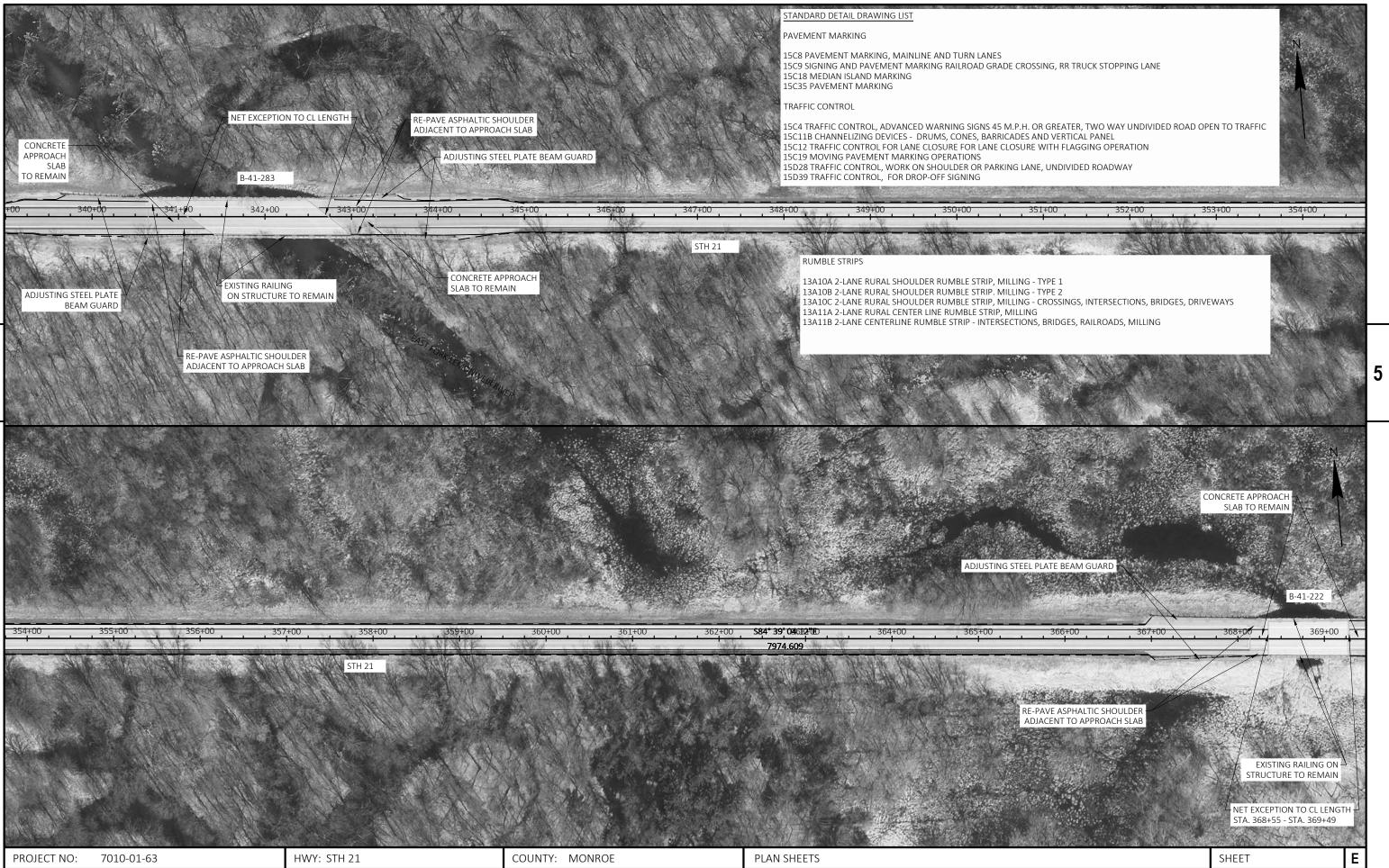
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PLOT NAME :



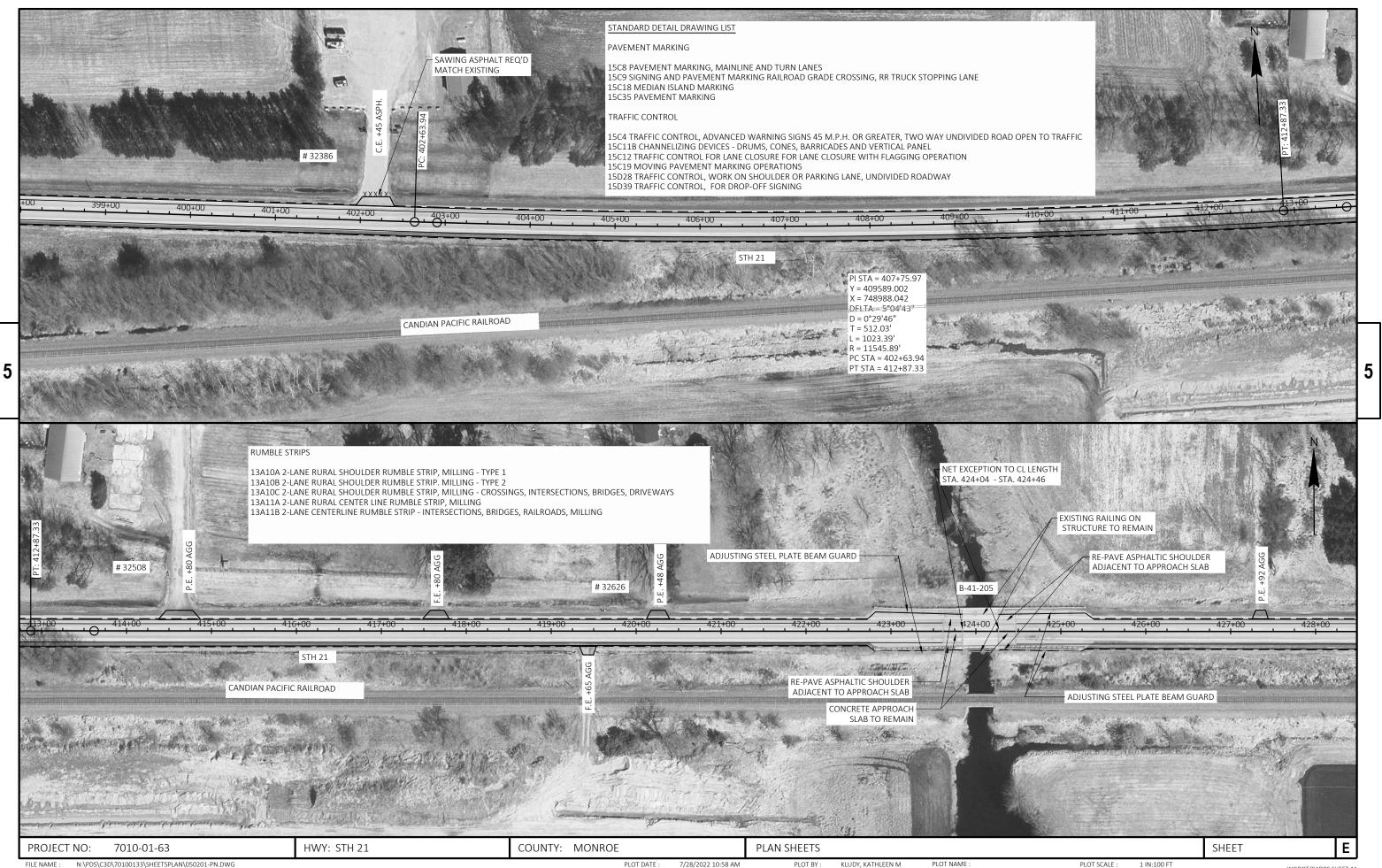
LAYOUT NAME - 052010-pn





PLOT NAME :

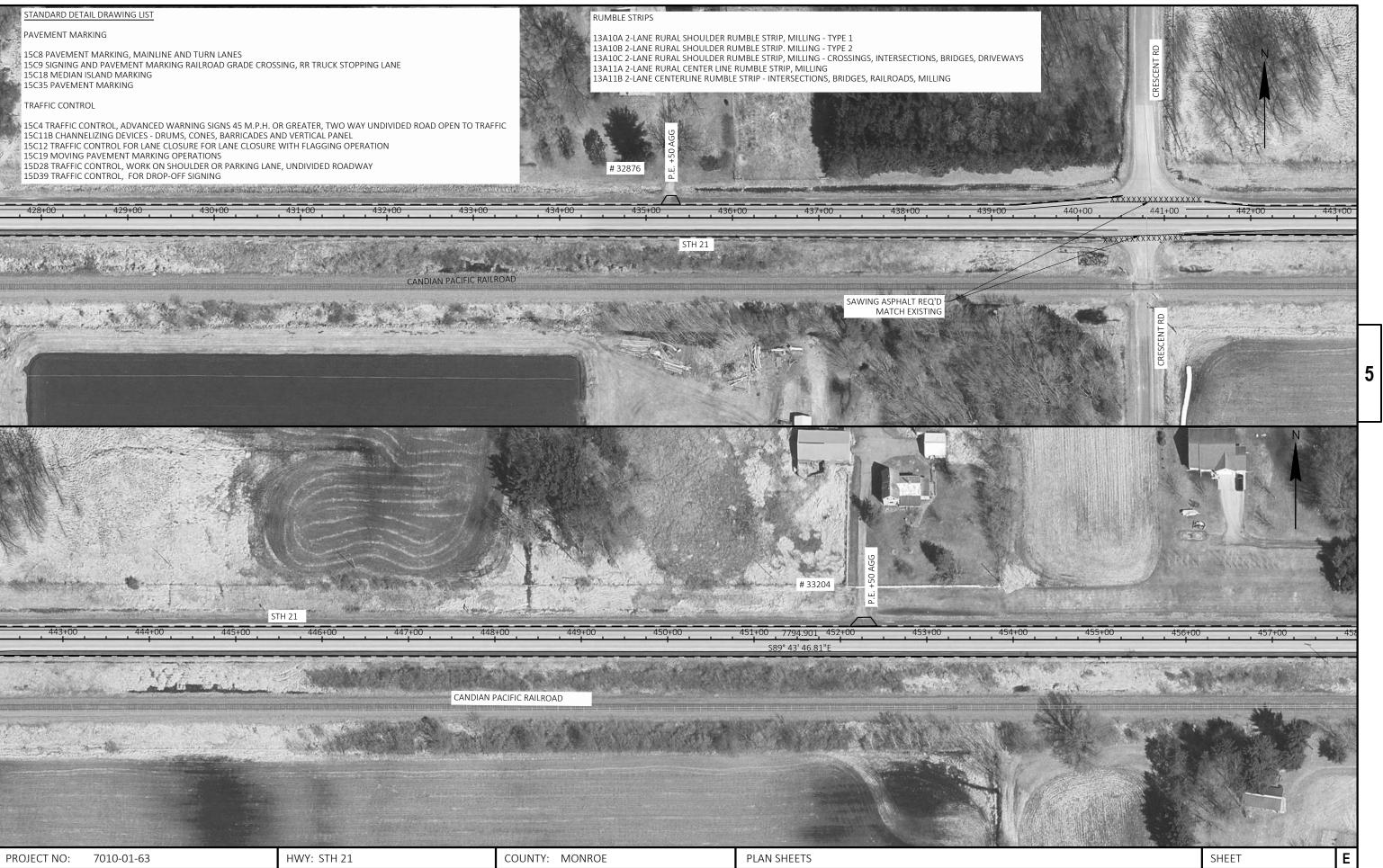


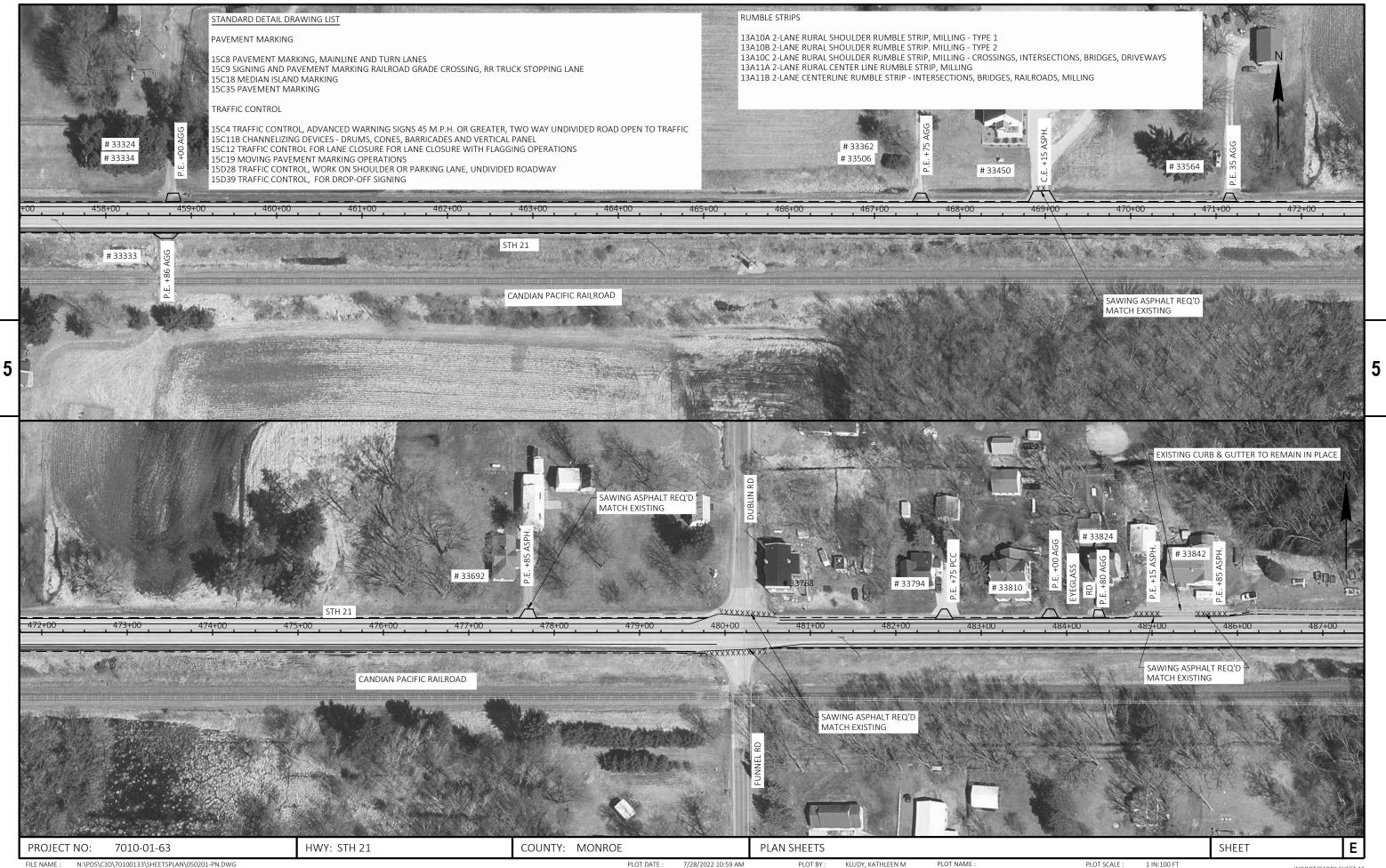


15C19 MOVING PAVEMENT MARKING OPERATIONS







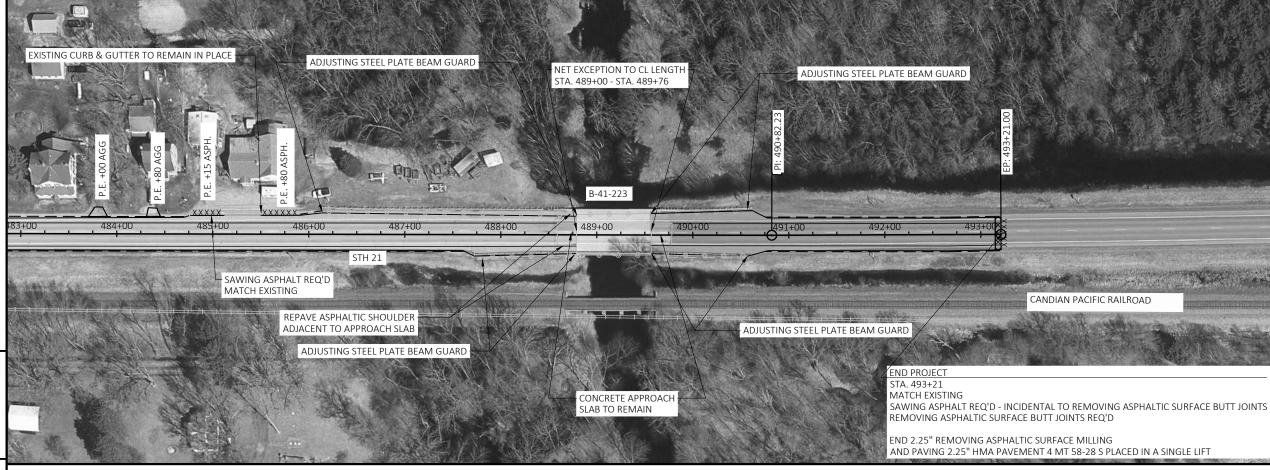


N:\PDS\C3D\70100133\SHEETSPLAN\050201-PN.DWG FILE NAME : LAYOUT NAME - 0502016-pn

PLOT DATE : 7/28/2022 10:59 AM PLOT BY :

PLOT NAME :

WISDOT/CADDS SHEET 44



STANDARD DETAIL DRAWING LIST

PAVEMENT MARKING

5

15C8 PAVEMENT MARKING, MAINLINE AND TURN LANES 15C9 SIGNING AND PAVEMENT MARKING RAILROAD GRADE CROSSING, RR TRUCK STOPPING LANE 15C18 MEDIAN ISLAND MARKING 15C35 PAVEMENT MARKING

TRAFFIC CONTROL

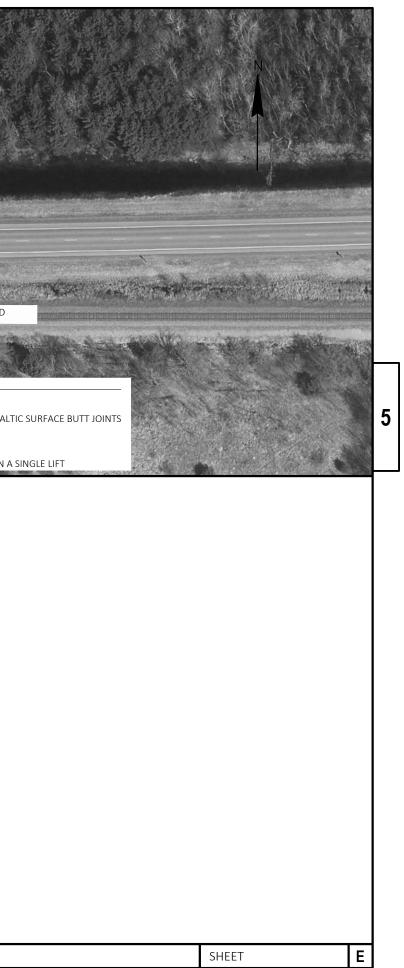
15C4 TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC 15C11B CHANNELIZING DEVICES - DRUMS, CONES, BARRICADES AND VERTICAL PANEL 15C12 TRAFFIC CONTROL FOR LANE CLOSURE FOR LANE CLOSURE WITH FLAGGING OPERATION 15C19 MOVING PAVEMENT MARKING OPERATIONS 15D28 TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY 15D39 TRAFFIC CONTROL, FOR DROP-OFF SIGNING

RUMBLE STRIPS

13A10A 2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING - TYPE 1 13A10B 2-LANE RURAL SHOULDER RUMBLE STRIP. MILLING - TYPE 2 13A10C 2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS 13A11A 2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING 13A11B 2-LANE CENTERLINE RUMBLE STRIP - INTERSECTIONS, BRIDGES, RAILROADS, MILLING

PROJECT NO: 7010-	-01-63	HWY: STH 21	COUNTY:	MONROE		PLAN SHEETS			

PLOT DATE : 7/28/2022 10:59 AM PLOT BY : KLUDY, KATHLEEN M PLOT NAME :



Standard Detail Drawing List

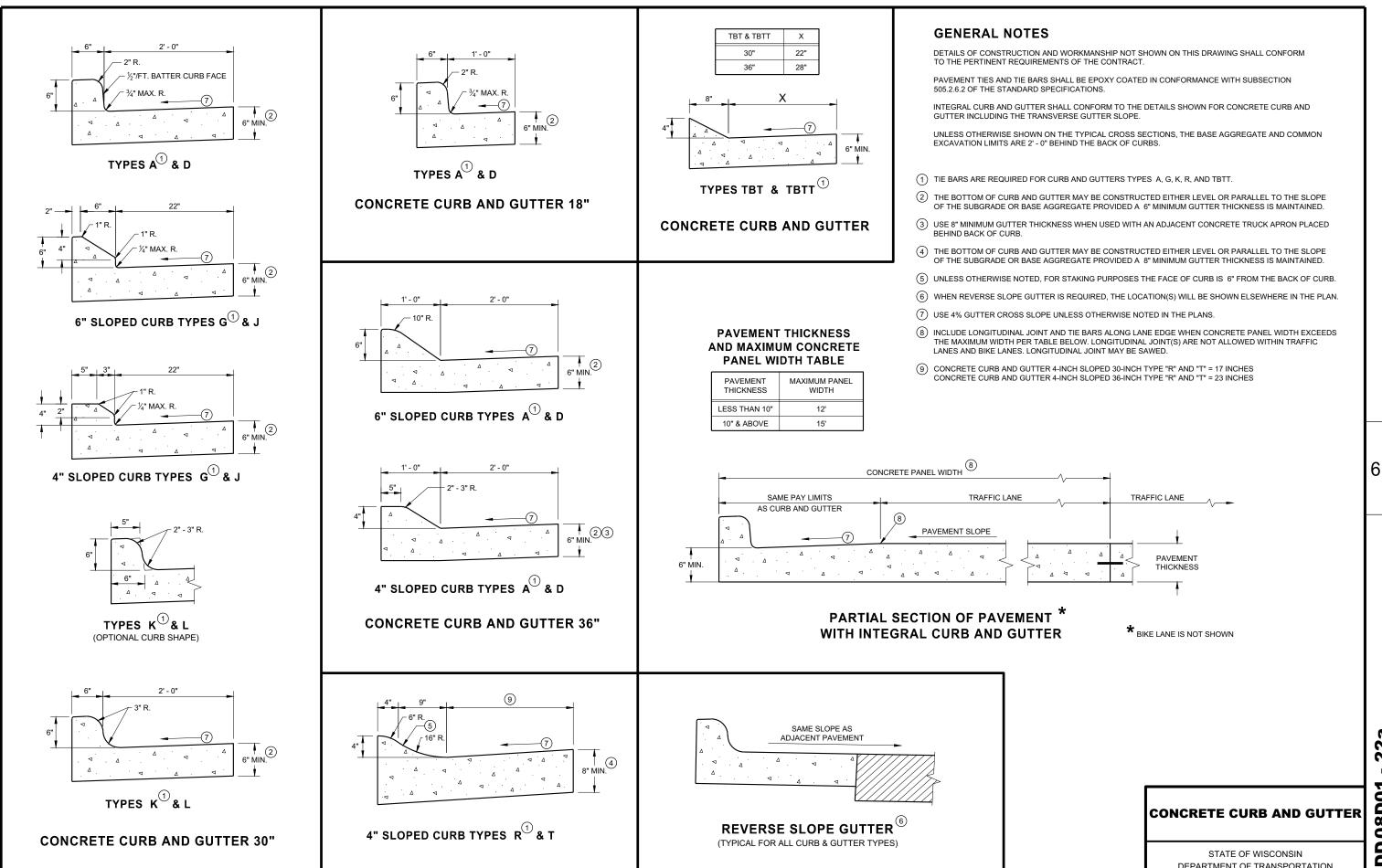
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
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	
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS,
14B20-11A	STEEL THRIE BEAM STRUCTURE APPROACH
14B20-11E	STEEL THREE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPES
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
15c04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UND
15C07-15B	PAVEMENT MARKING WORDS
15c07-15c	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSI
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-08	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-05C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15c35-04c	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
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
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

DS/DRIVEWAYS)

PES "F" AND "W"

DIVIDED ROAD OPEN TO TRAFFIC

SINGS

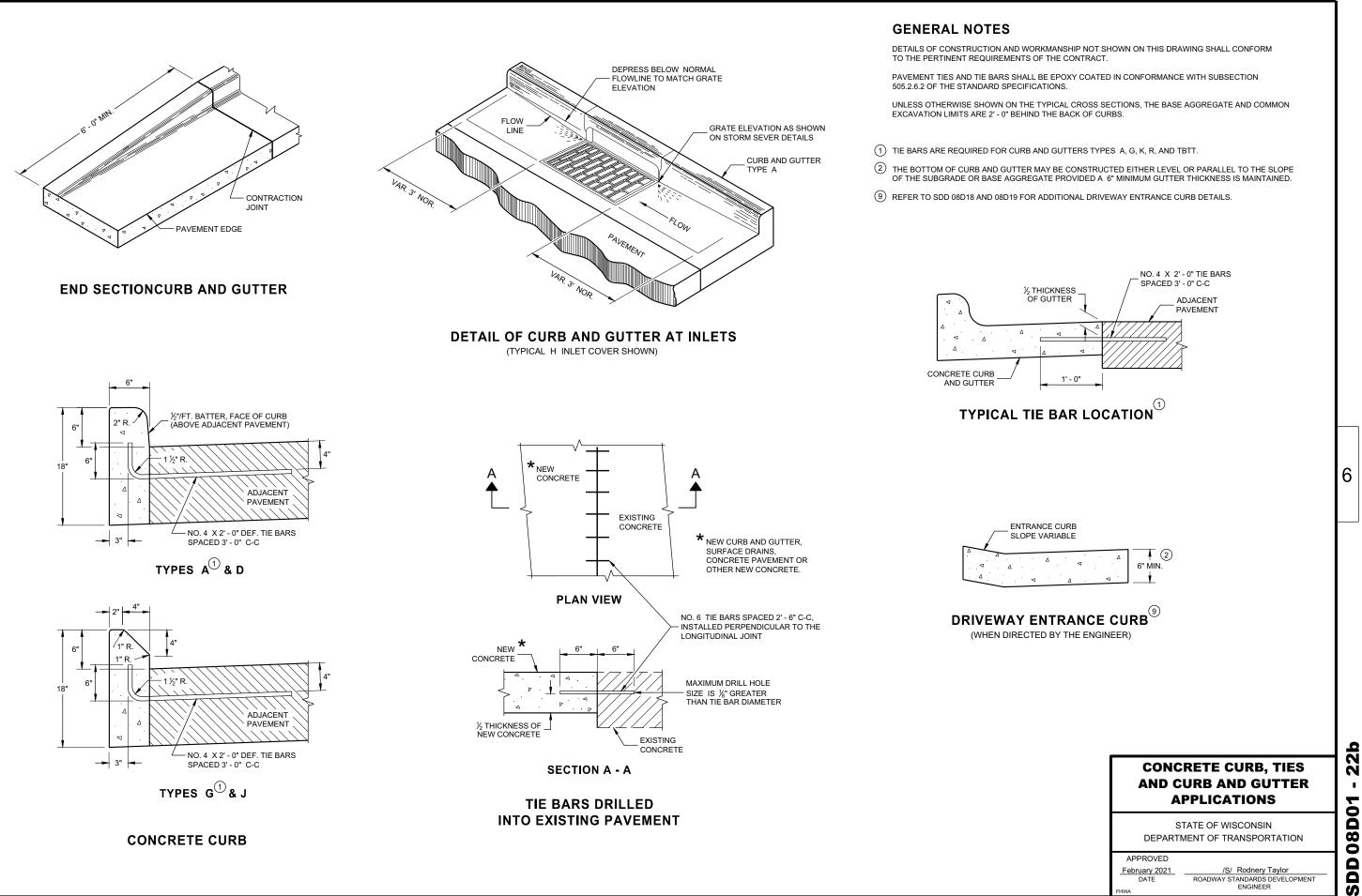


SDD 08D01 22a

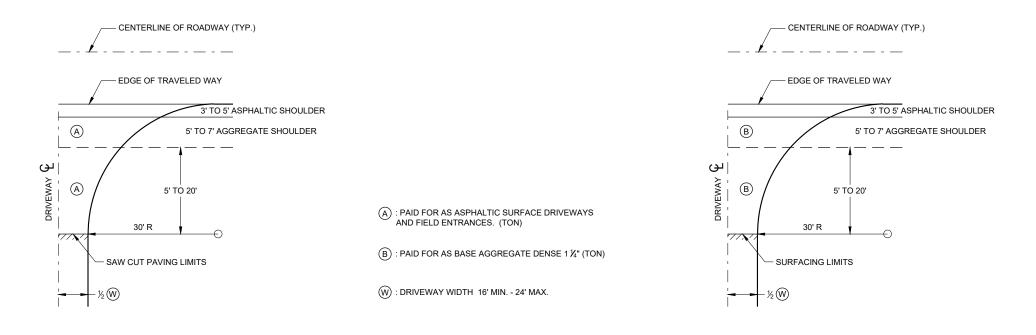
6

DEPARTMENT OF TRANSPORTATION

22 . **08D01** SDD



SDD 08D01 22b



PLAN VIEW HALF SECTION

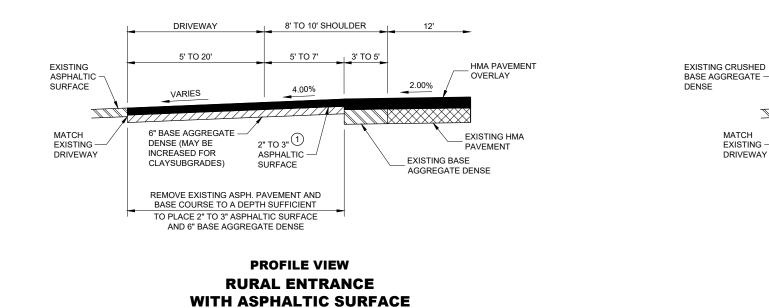


8' TO 10' SHOULDER

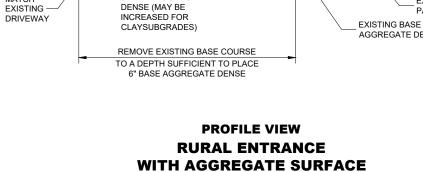
3' TO 5'

5' TO 7'

4.00%



RESURFACING PROJECTS



DRIVEWAY

5' TO 20'

6" BASE AGGREGATE

VARIES

MATCH

6" BASE AGGREGATE DENSE RESURFACING PROJECTS

SDD 08D22 0

6

GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.

HMA PAVEMENT OVERLAY

> EXISTING HMA PAVEMENT

AGGREGATE DENSE

12'

2.00%

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING **PROJECTS RURAL**

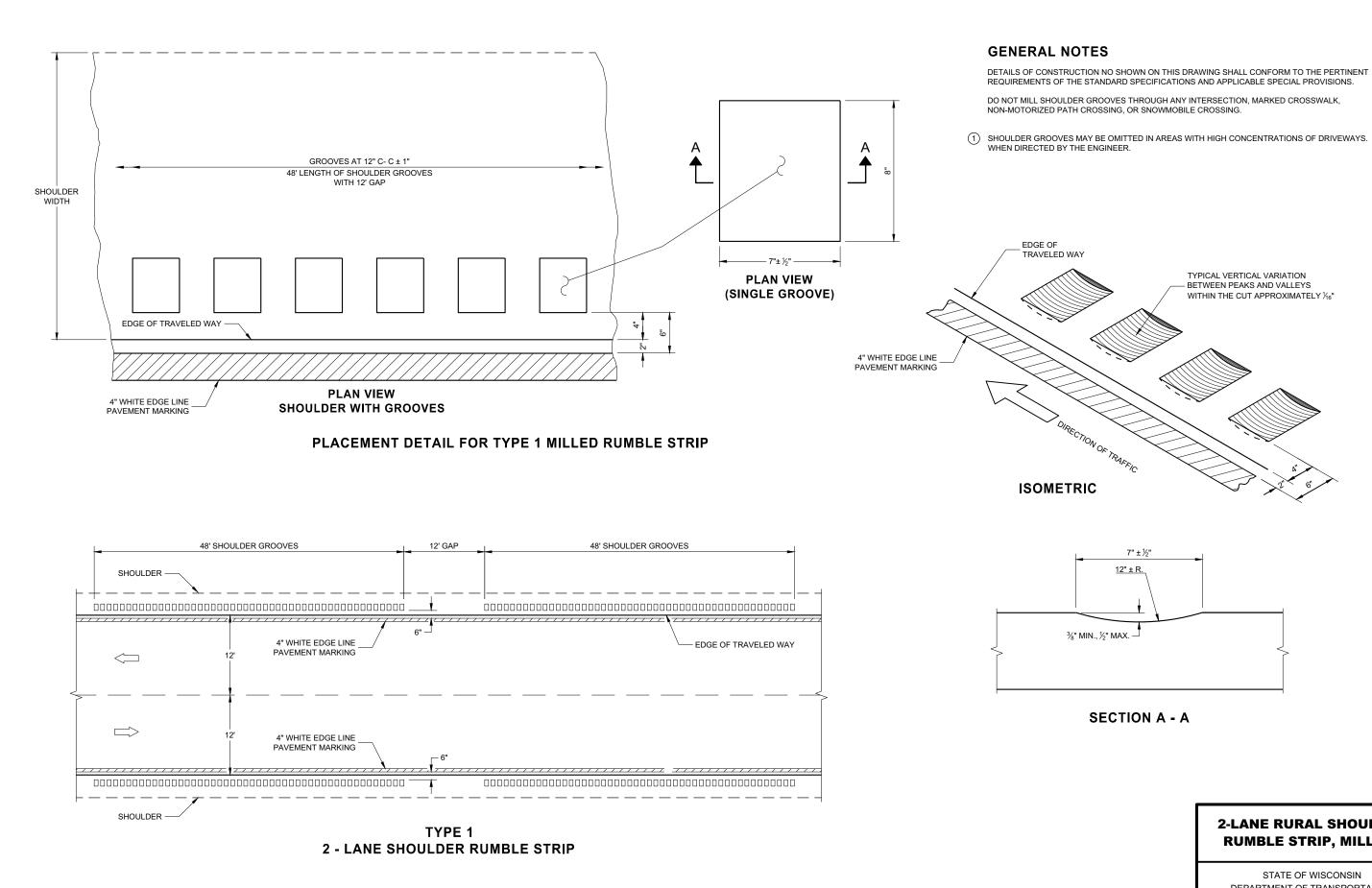
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED December 2016 DATE

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT ENGINEER

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SDD 13A10 02a

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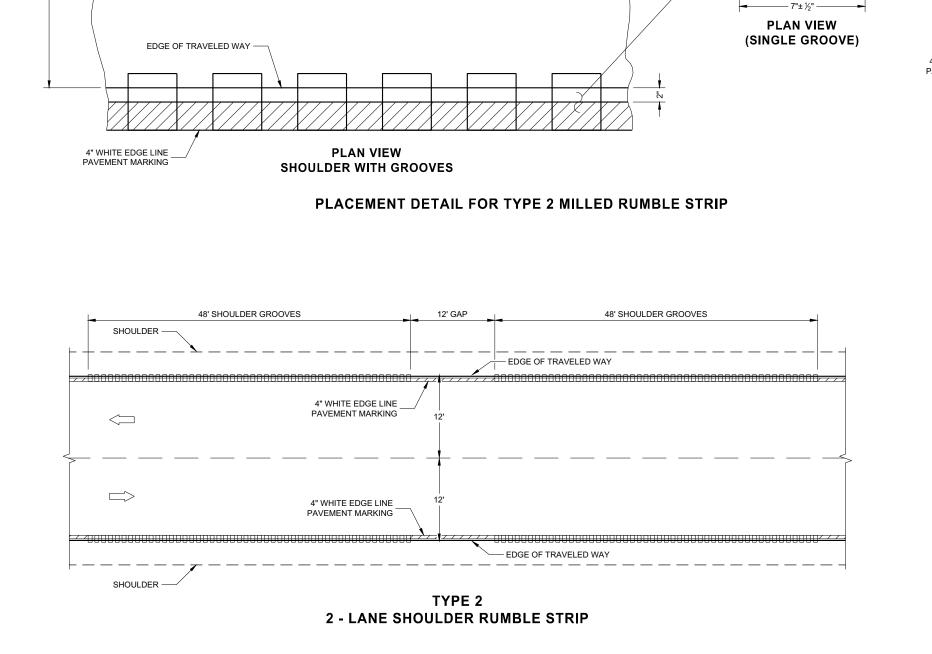
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

02a . 13A10 SDD



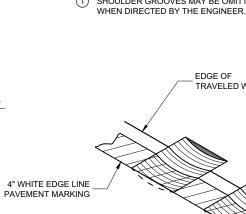
SHOULDER WIDTH



GROOVES AT 12" C- C ± 1"

48' LENGTH OF SHOULDER GROOVES WITH 12' GAP

ISOMETRIC



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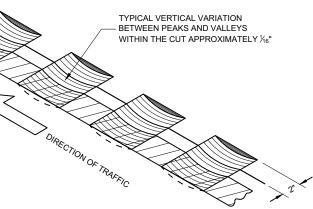
GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

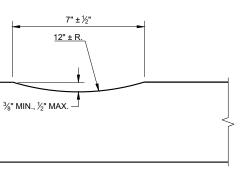
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

1 Shoulder grooves may be omitted in areas with high concentrations of driveways.







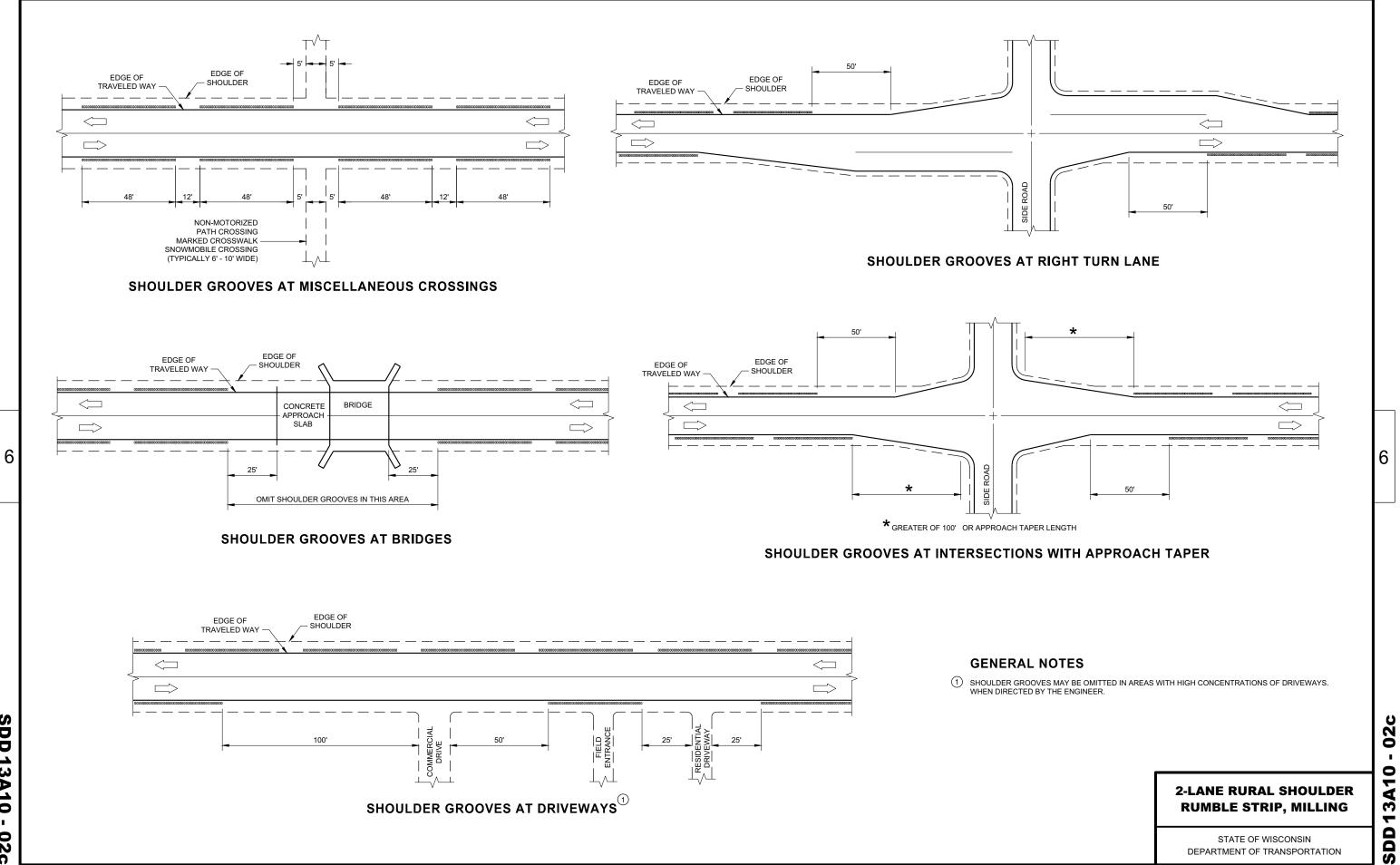


SECTION A - A

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

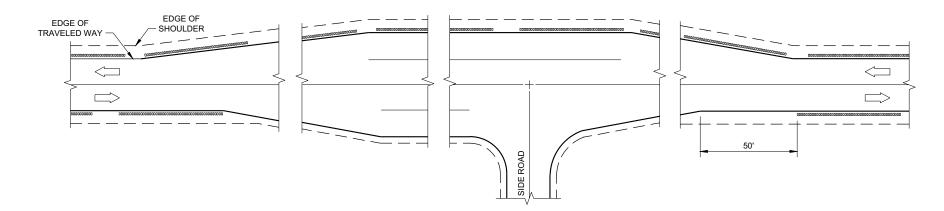
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

02b . **SDD13A10**

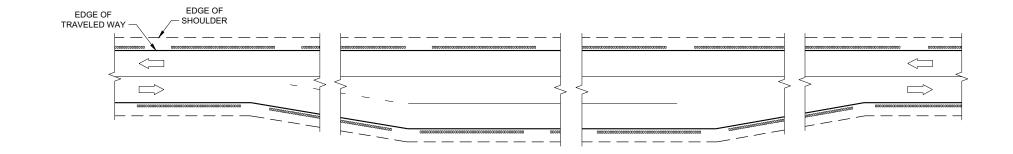




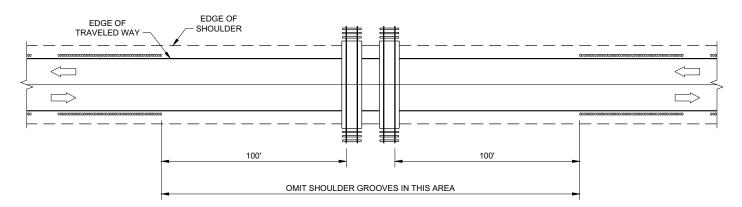




SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT RAILROADS



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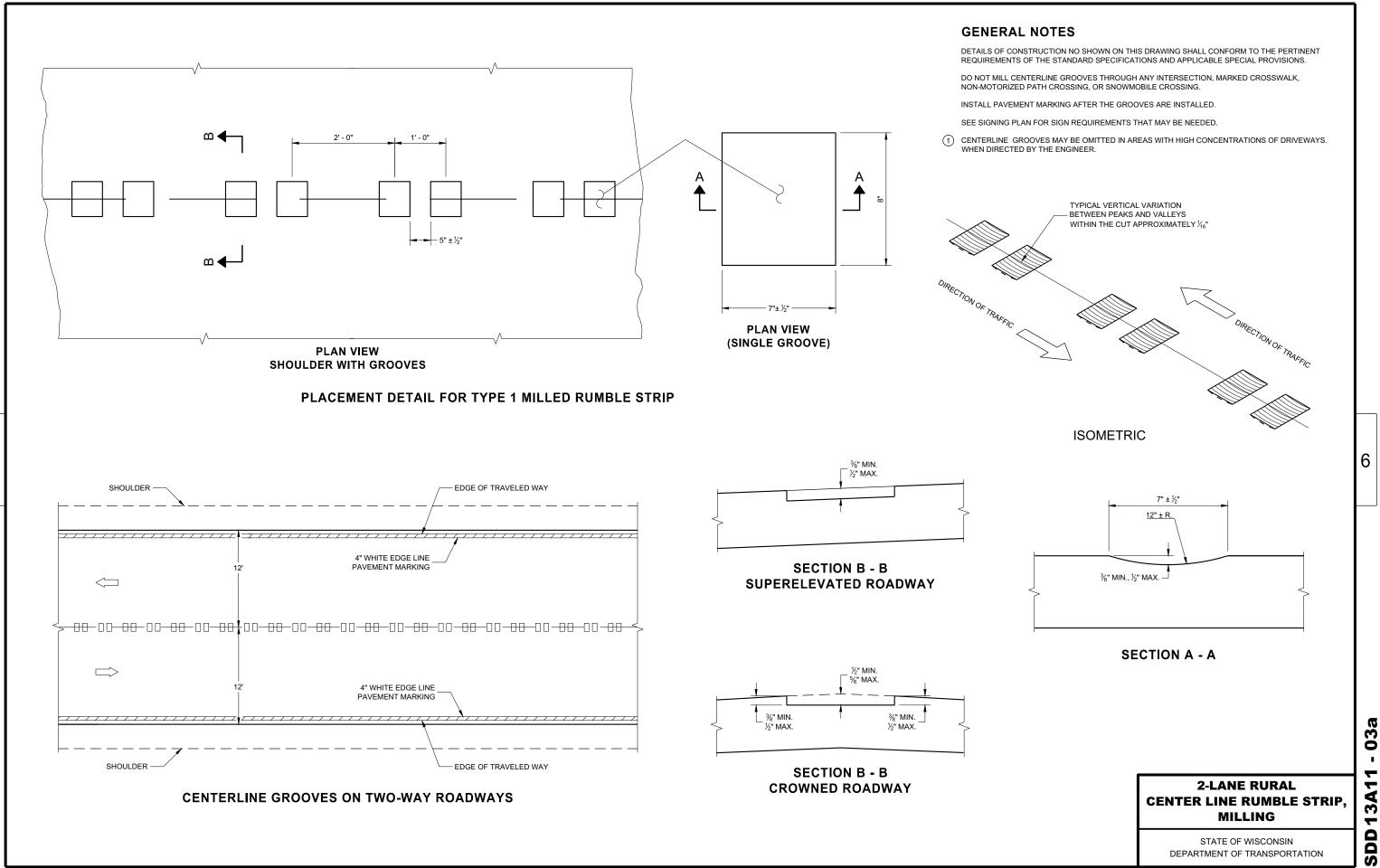
SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 7/2018 DATE

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT ENGINEER



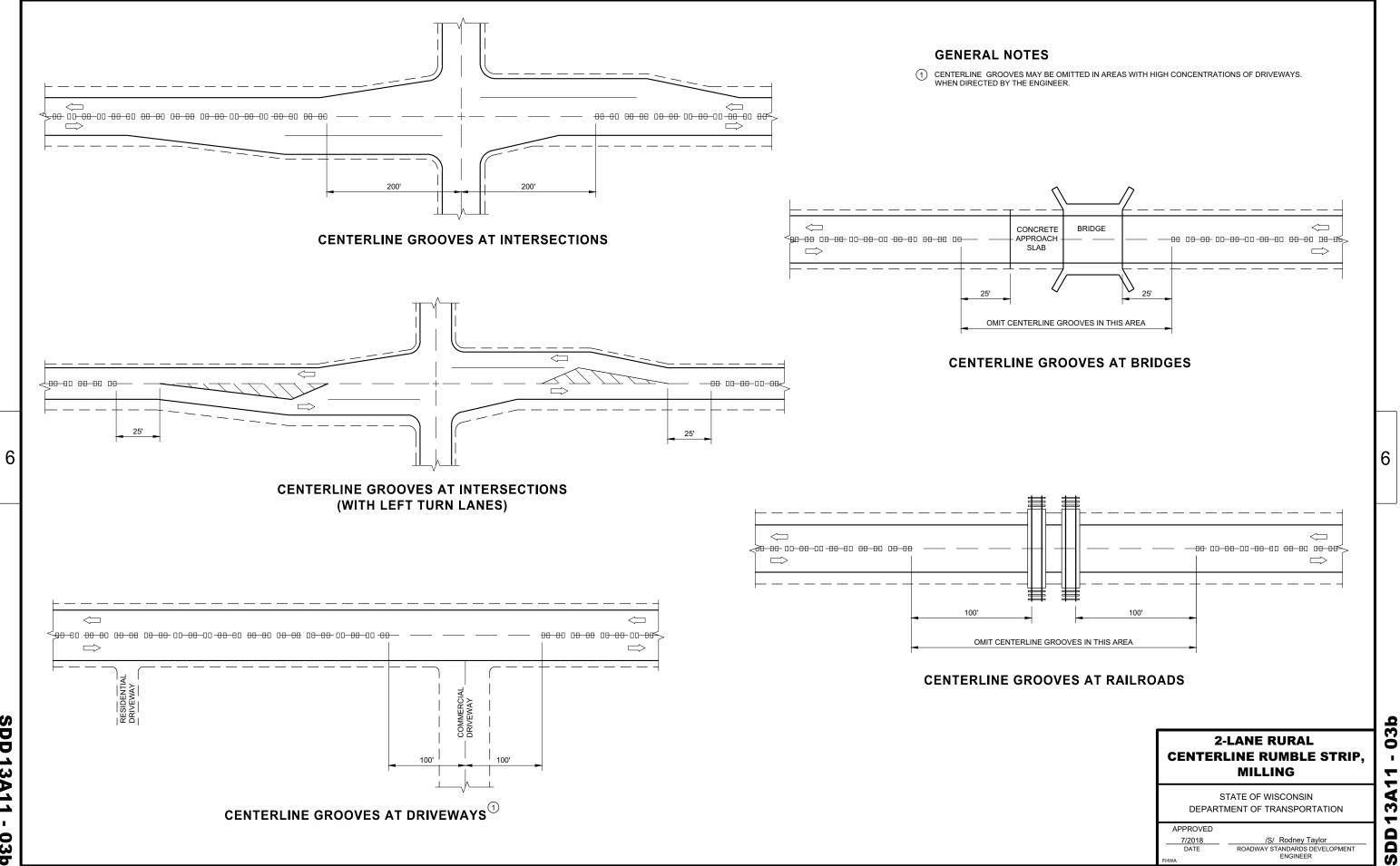
SDD 13A11 03a

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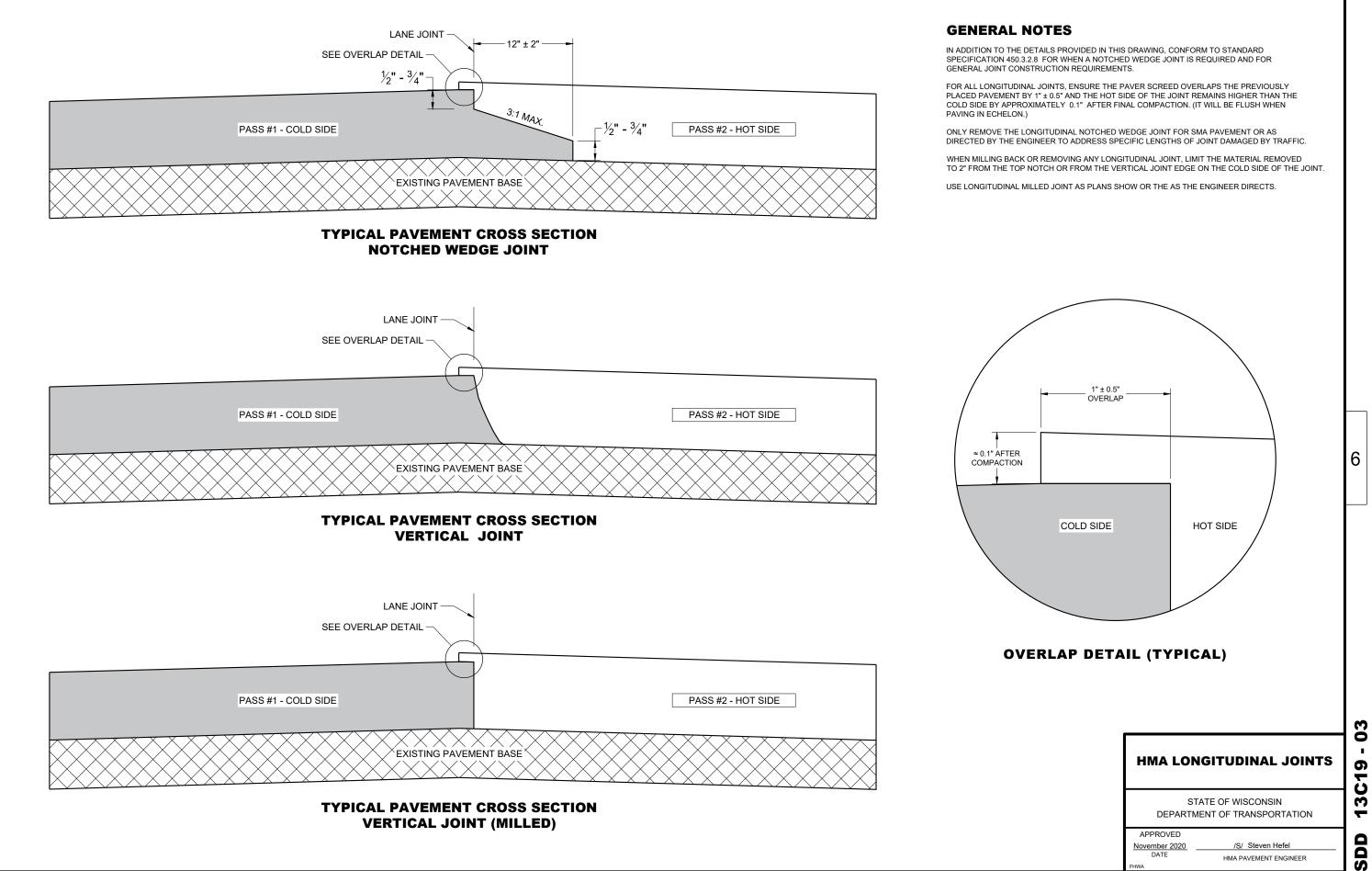


DEPARTMENT OF TRANSPORTATION

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SDD 13A11 -**03b**



(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND 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. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

- (2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.
- (3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- (4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.
- (5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).
- (6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 21/2 INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.
- WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE (7)NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.

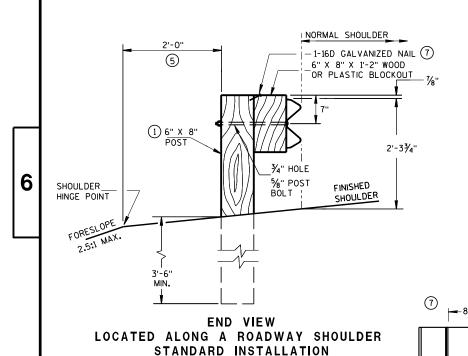
3'-6" MIN

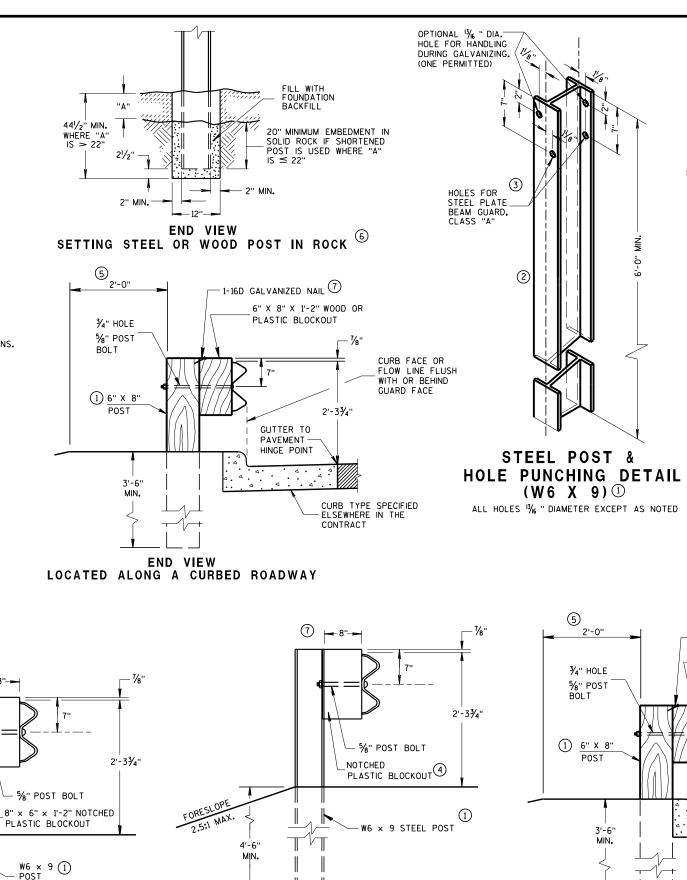
END VIEW

STEEL POST & NOTCHED

PLASTIC BLOCKOUT ALTERNATIVE

STANDARD INSTALLATION





END VIEW

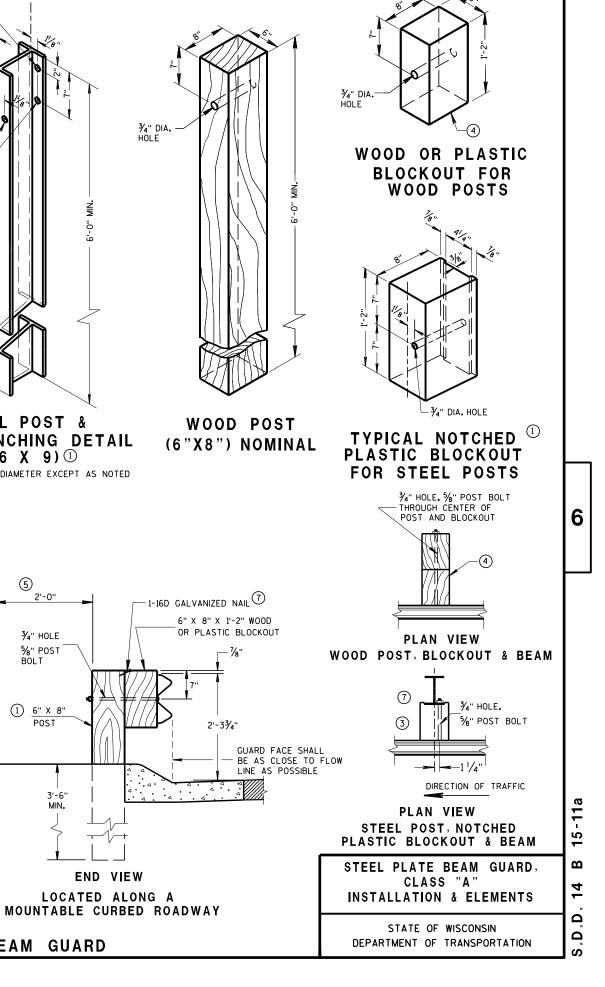
LONGER POST AT HALF

(LHW)

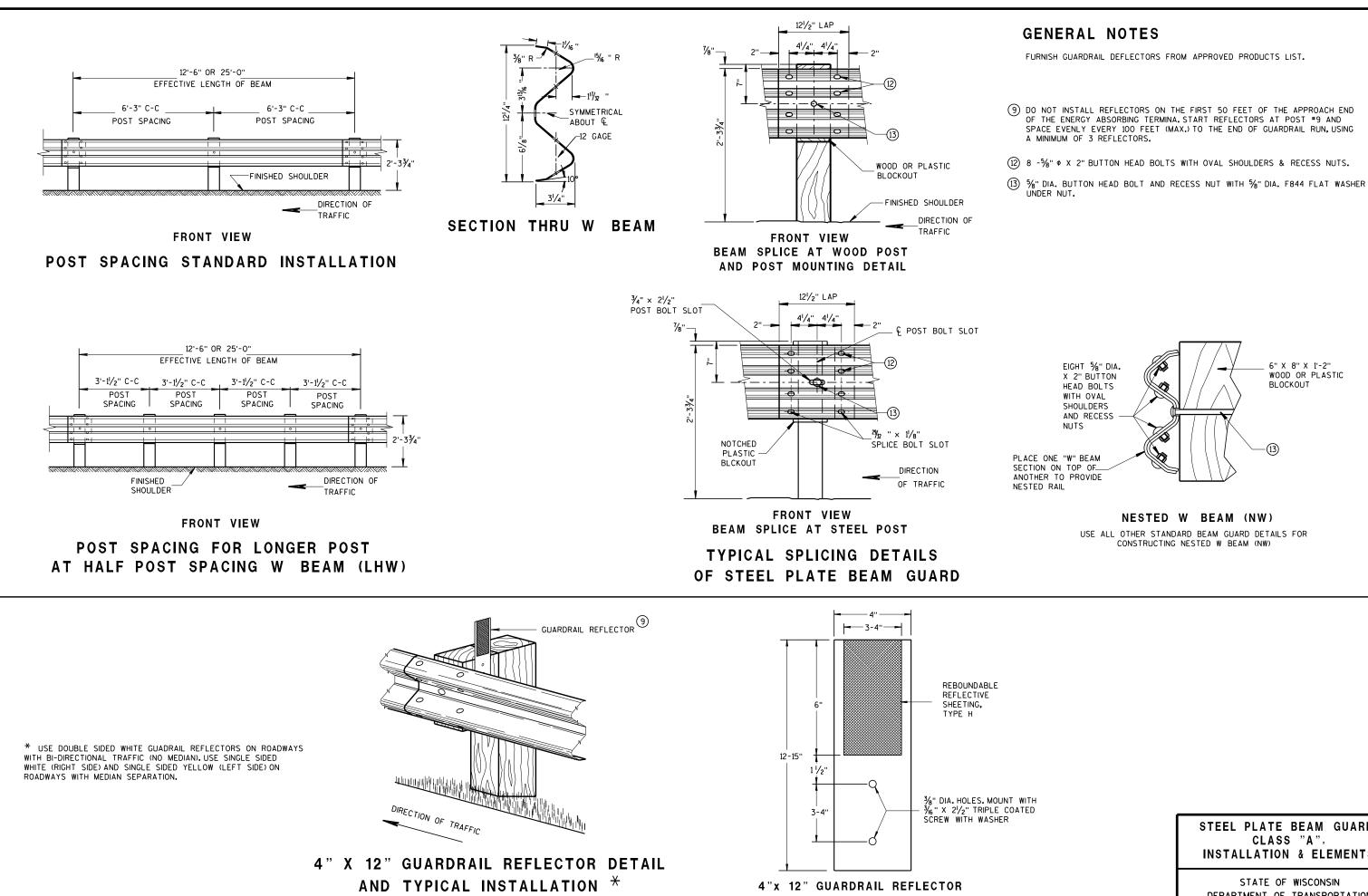
TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

POST SPACING W BEAM





END VIEW



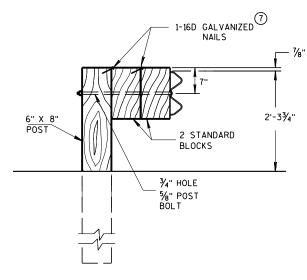
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STEEL PLATE BEAM GUARD, CLASS "A", **INSTALLATION & ELEMENTS**

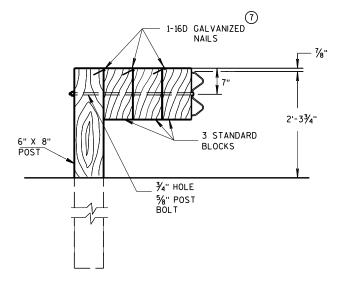
DEPARTMENT OF TRANSPORTATION

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DETAIL FOR DOUBLE BLOCKS

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

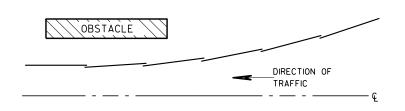


DETAIL FOR TRIPLE BLOCKS

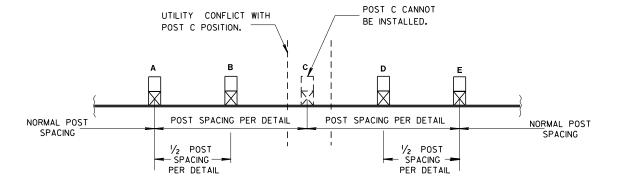
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES NOTES: 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

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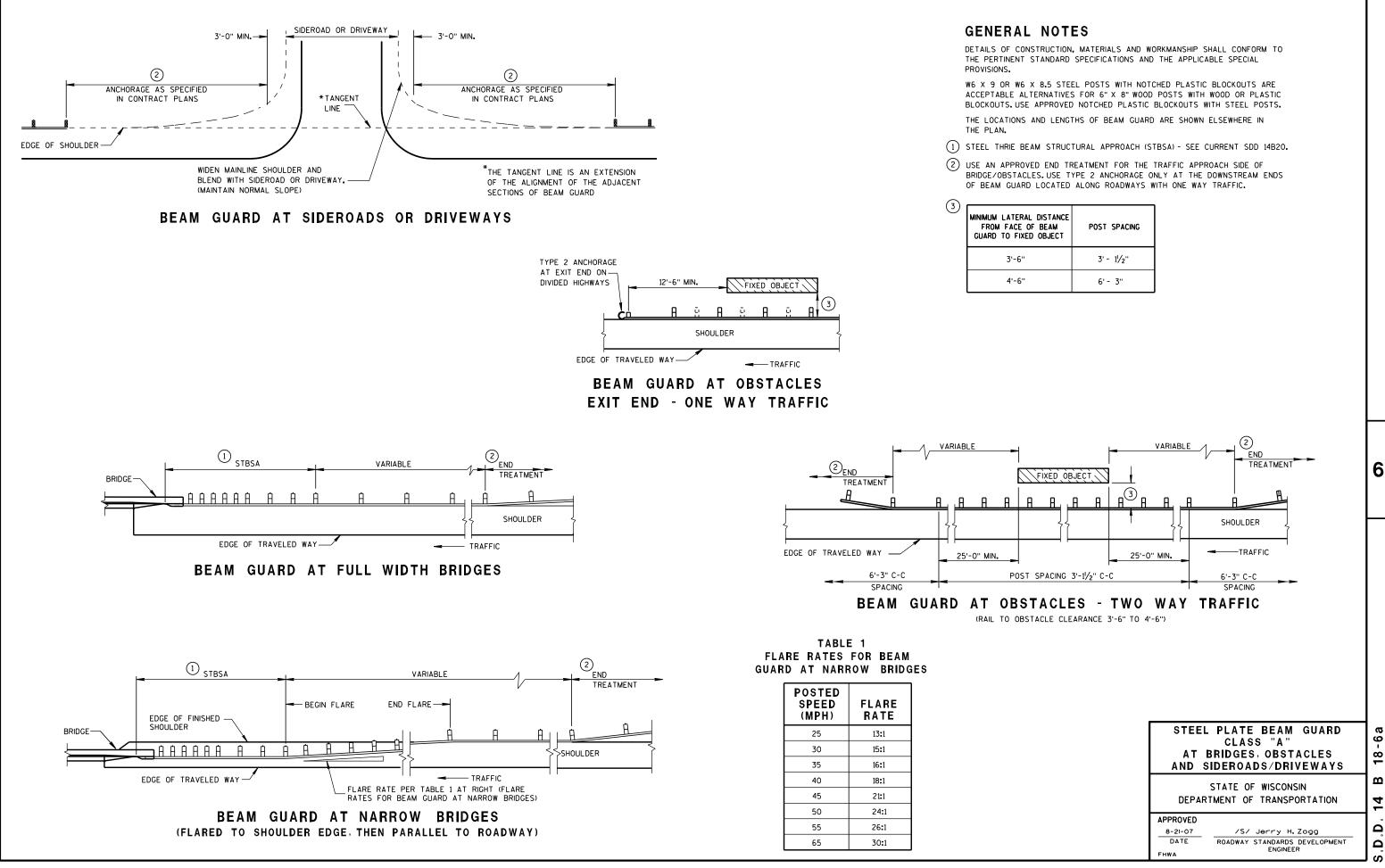
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED June 2017 /S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT DATE UNIT SUPERVISOR

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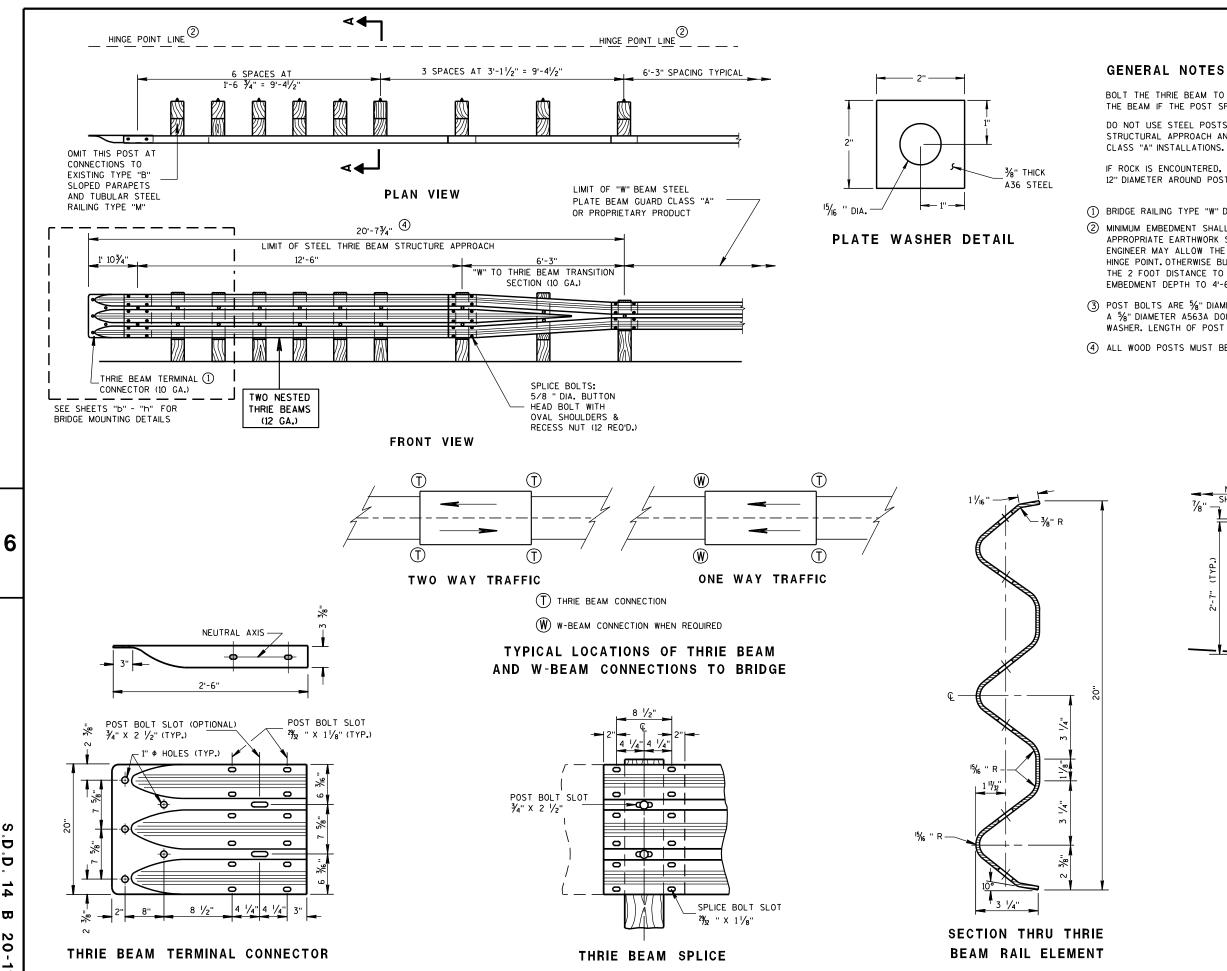
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AL DISTANCE OF BEAM ED OBJECT	POST SPACING
	3' - 1 ¹ /2''
1	6' - 3''



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BOLT THE THRIE BEAM TO ALL POSTS AND BLOCKOUTS. DRILL OR PUNCH BOLT HOLES IN THE BEAM IF THE POST SPACING IS LESS THAN 6'-3".

DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD,

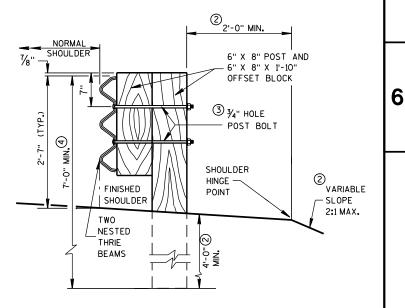
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 21/2", AND 12" DIAMETER AROUND POST. SEE 14B15 FOR MORE DETAILS.

(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

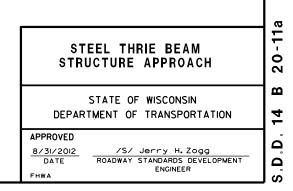
2 MINIMUM EMBEDMENT SHALL BE 4'-O". WHERE EXISTING CONDITIONS DO NOT PERMIT THE APPROPRIATE EARTHWORK SHOWN ON THE PLAN TYPICAL SECTIONS OR DETAILS, THE ENGINEER MAY ALLOW THE REDUCTION OR ELIMINATION OF THE 2 FOOT DISTANCE TO THE HINGE POINT. OTHERWISE BUILD AS THE PLAN SHOWS OR AS THE ENGINEER DIRECTS. IF THE 2 FOOT DISTANCE TO THE HINGE POINT IS REDUCED OR ELIMINATED, INCREASE THE POST EMBEDMENT DEPTH TO 4'-6" OR MORE.

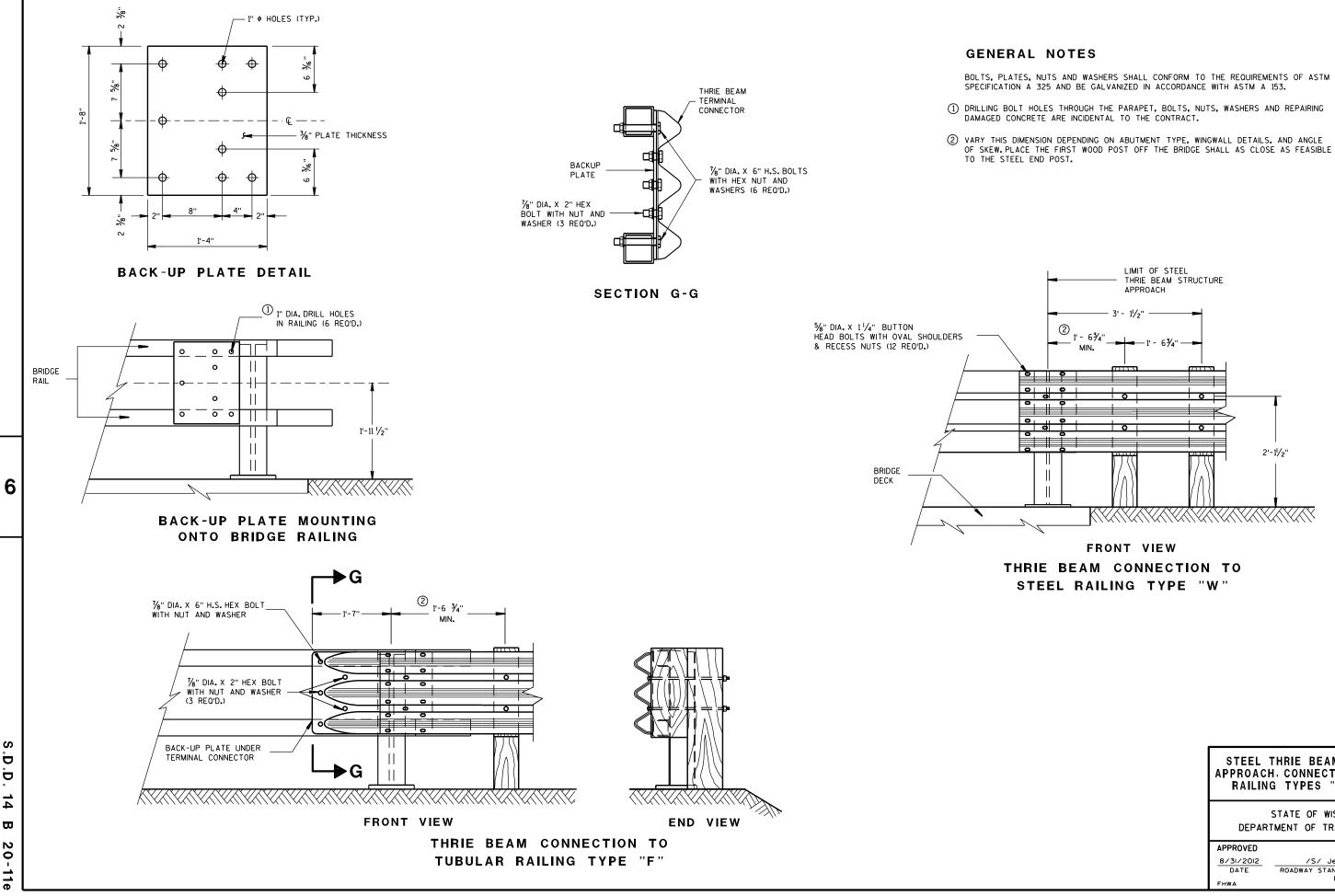
(3) POST BOLTS ARE 5% DIAMETER ASTM A307 BUTTON HEAD BOLT. A POST BOLT REQUIRES A %" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX AND A 5%" DIAMETER F844 FLAT WASHER, LENGTH OF POST BOLT MAY VARY.

(4) ALL WOOD POSTS MUST BE 6" X 8" AND AT LEAST 7'-0" LONG.



SECTION A-A





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STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO BRIDGE RAILING TYPES "F" AND "W"

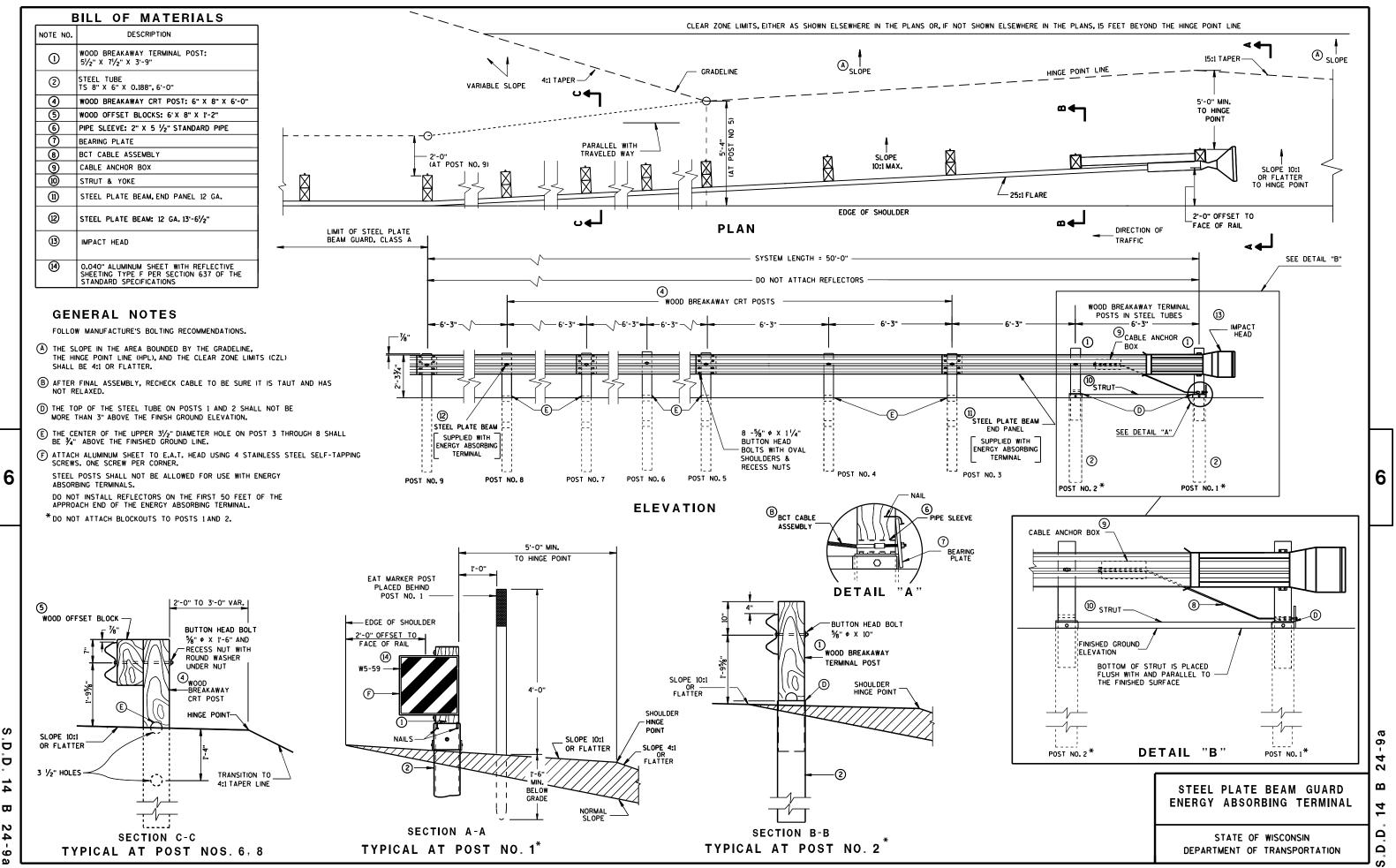
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

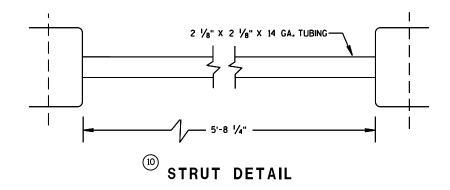
/S/ Jerry H.Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

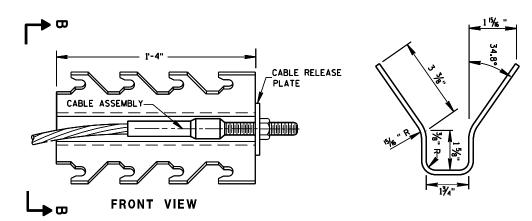
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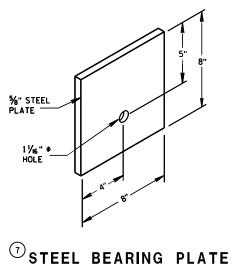








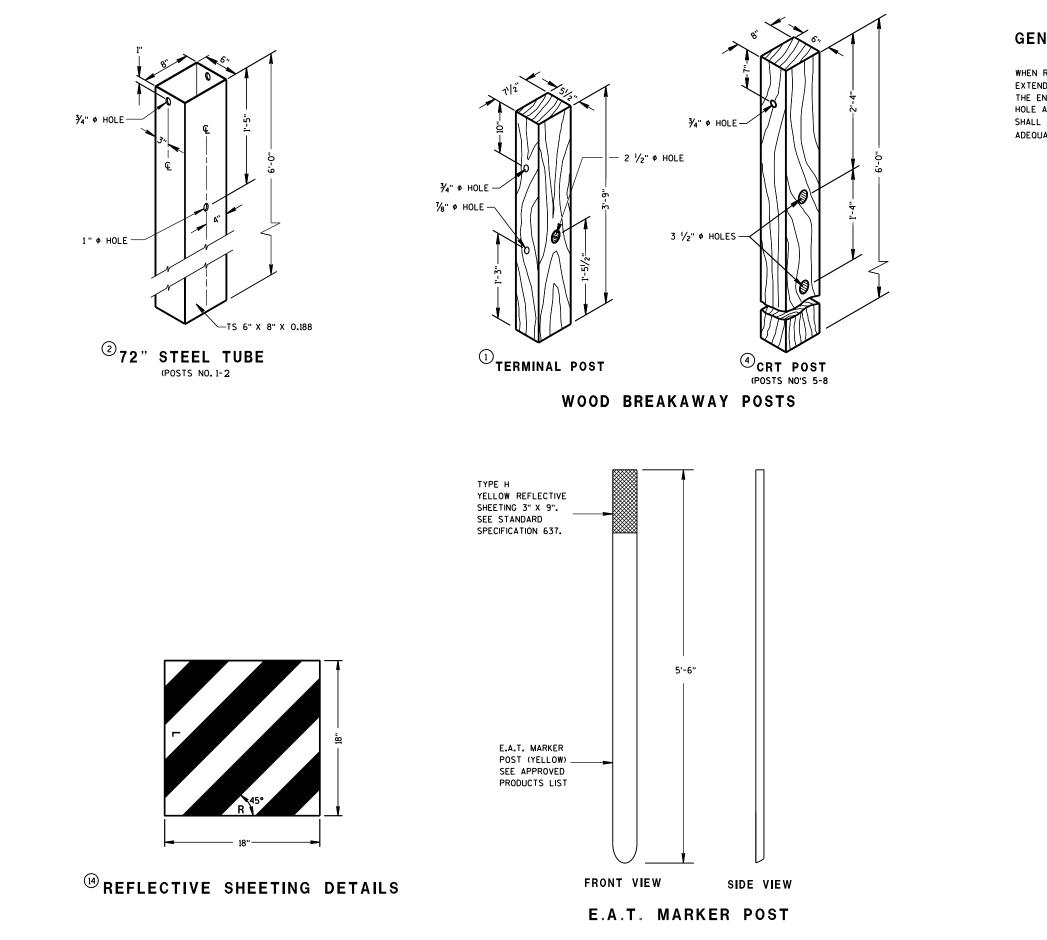




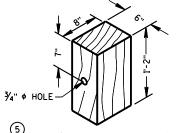
24-9b ш 14 S.D.D.

STEEL PLATE BEAM GUARD Energy absorbing terminal

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



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 $\frac{1}{2}$ " 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.



⁽⁵⁾ WOOD OFFSET BLOCK REO'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

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STEEL PLATE BEAM GUARD Energy absorbing terminal

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

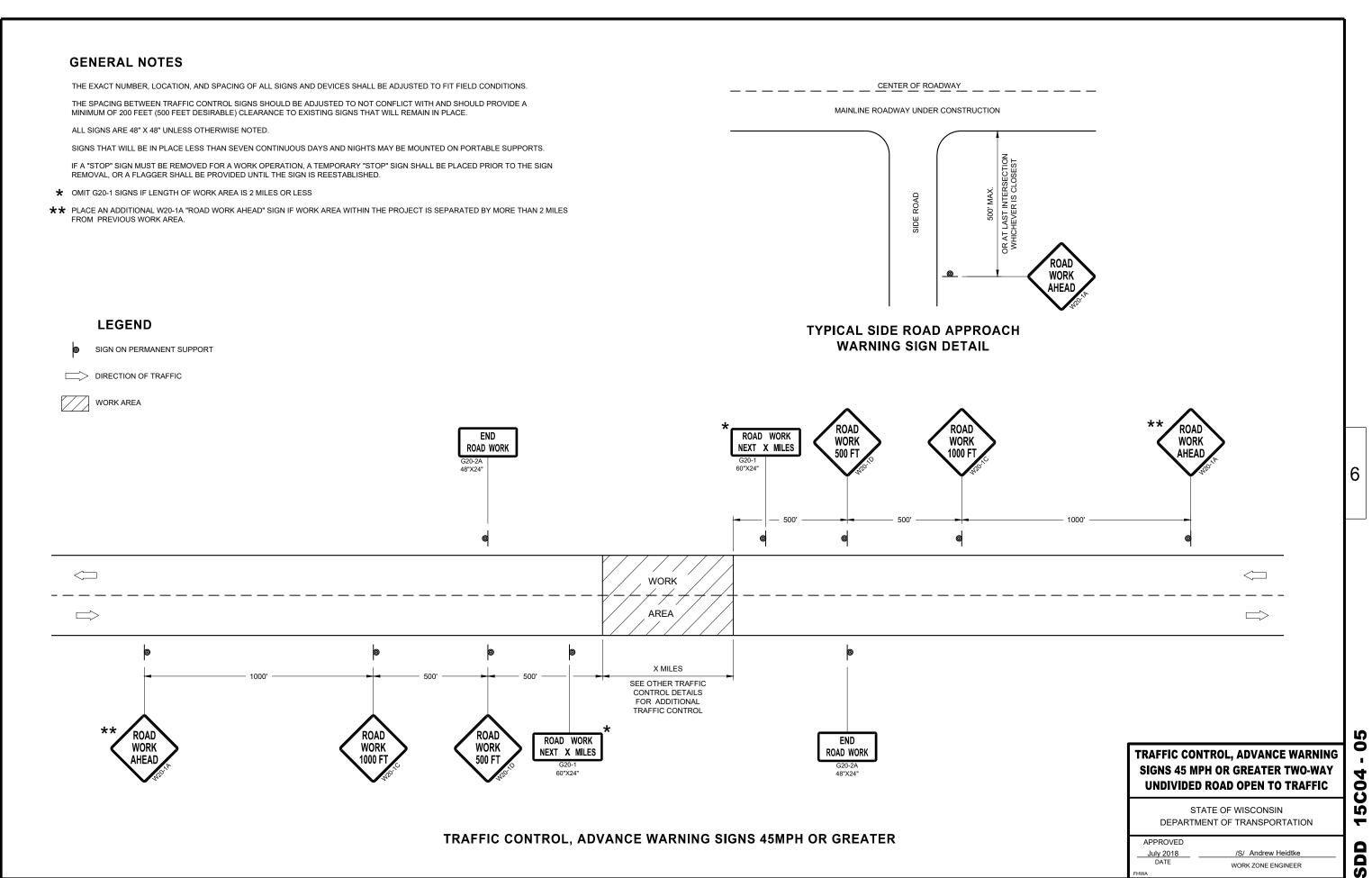
APPROVED June 2017 DATE

FHWA

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR D.D.14 B 24-90

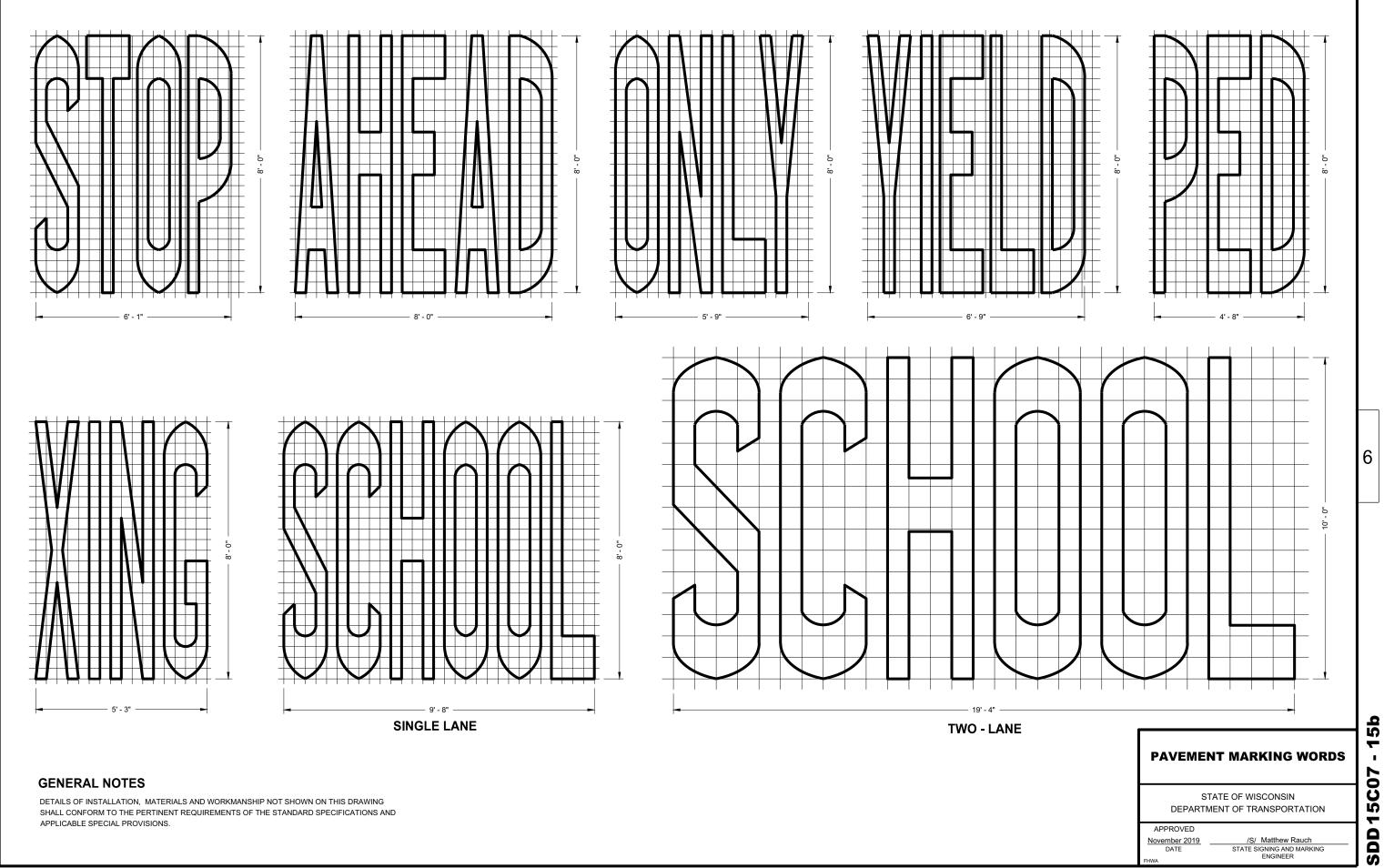
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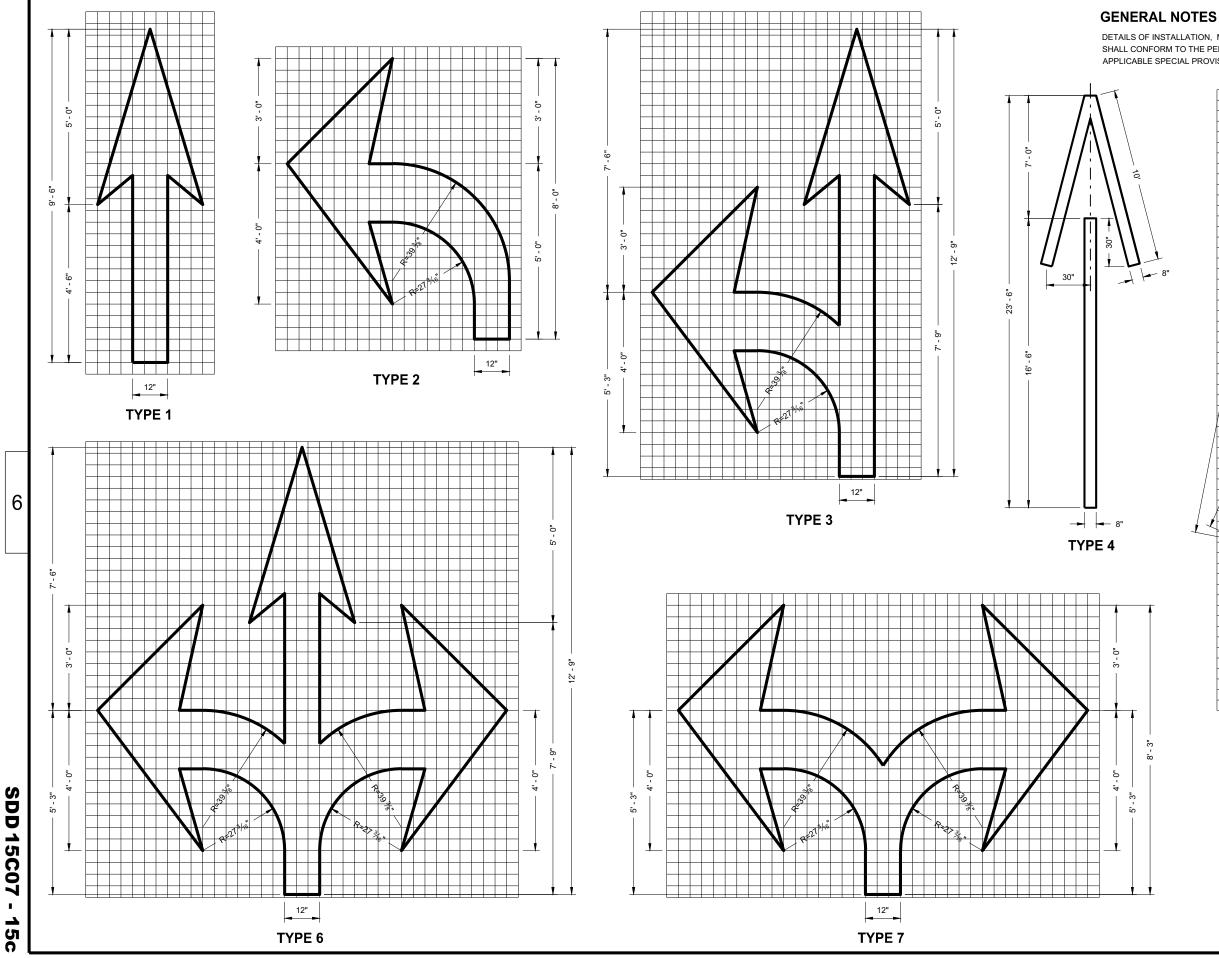
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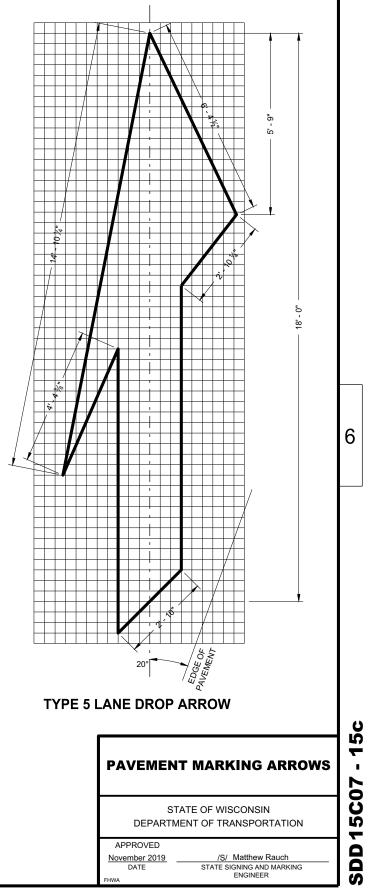
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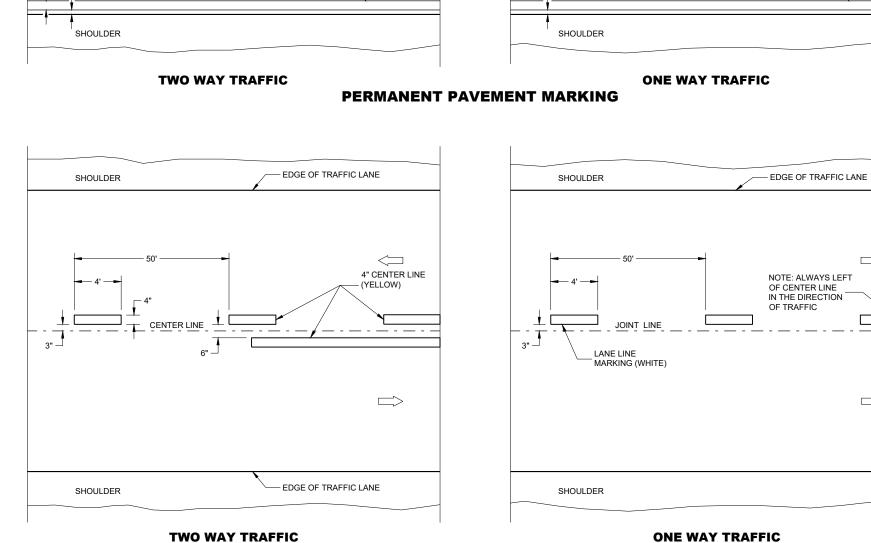


DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

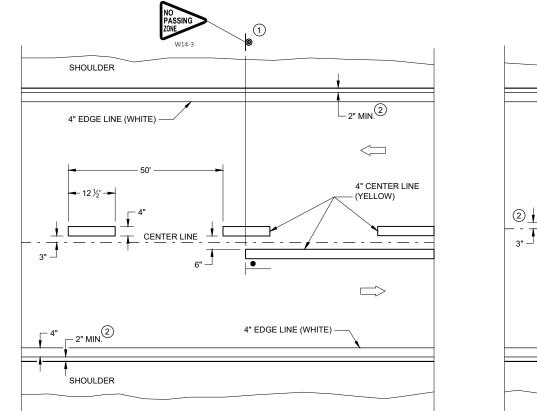


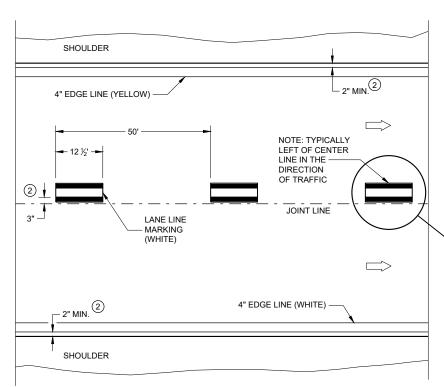


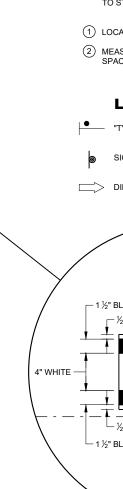




TEMPORARY PAVEMENT MARKING







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GENERAL NOTES

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

1 LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

" BLACK CONTRAST – ½" MAX. GROOVE		
- /2 WAX. GROOVE		
_		
- ½" MAX. GROOVE ' BLACK CONTRAST	JOINT LINE	

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE

/S/ Matthew Rauch STATEWIDE SIGNING AND MARKING ENGINEER

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MINOR CROSS STREET

MINOR CROSS STREET

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LANE LINES (YELLOW)

- LANE LINE (WHITE)

- SURFACED SHOULDER

- EDGE LINE (YELLOW)

- EDGE LINE (WHITE)

(1) ARROW, TYPE 2 _____

TWO WAY LEFT TURN LANE

(WHITE)

16'

- 4" DOUBLE YELLOW

4" DOUBLE YELLOW

20'-50' MAX.

(2)

CROSS STREET

3

20'

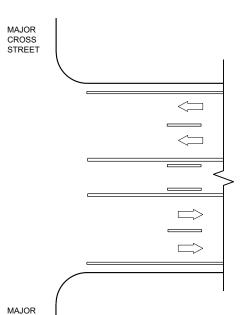
- 2 8" WHITE

GENERAL NOTES

1 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(3) TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

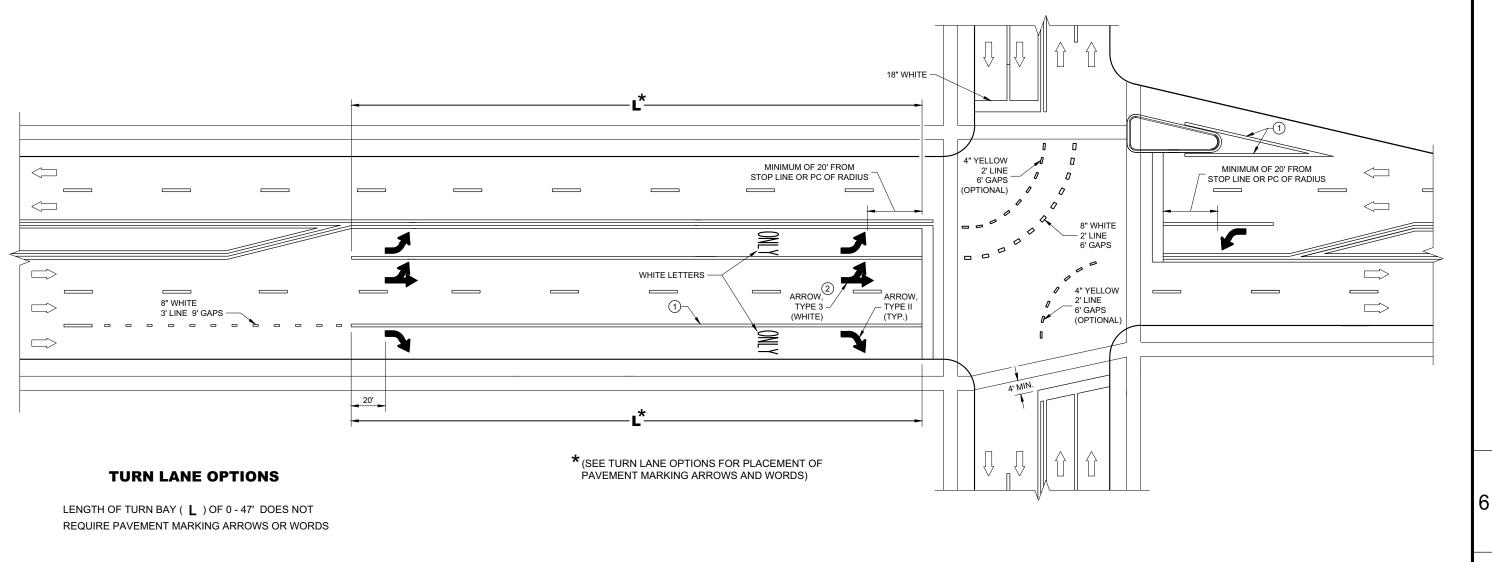
DIRECTION OF TRAFFIC



- 20b **SDD15C08**

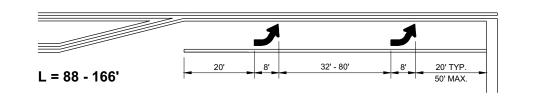
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

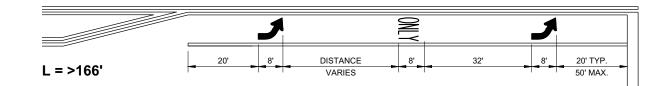




- SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.
- DIRECTION OF TRAFFIC
 - = LENGTH OF TURN BAY



L = 48 - 87'



DISTANCE

VARIES

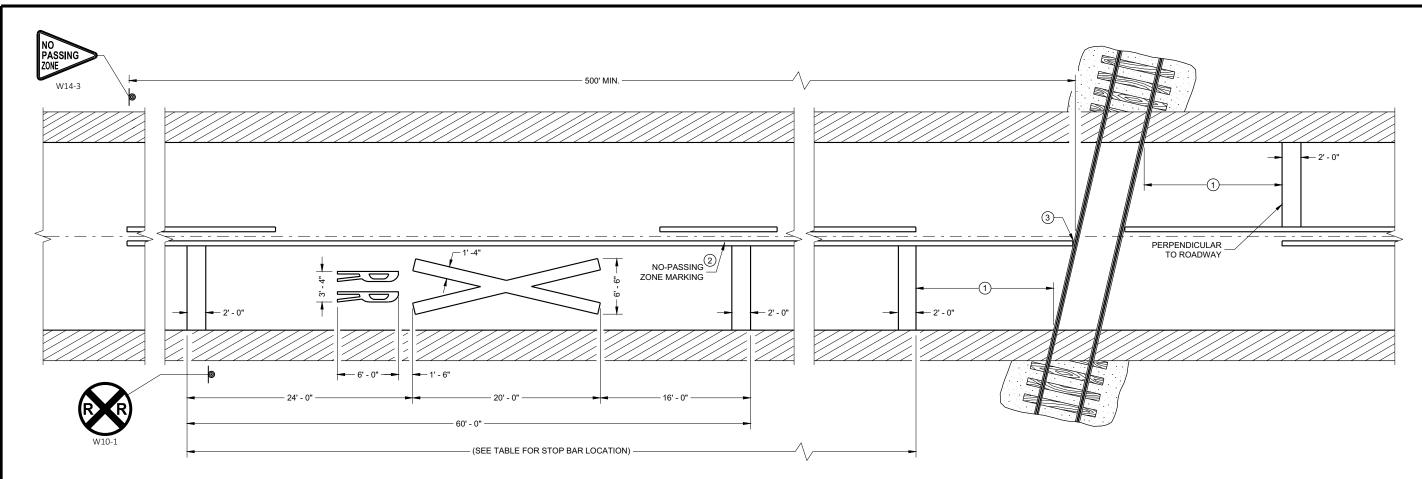


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(2) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

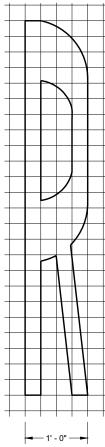
- (1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- (2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- (3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150 ^{*} - 250'
30	200 ^{*} - 300'
35	250 ^{*} - 450'
40	300 * - 500'
45	400 ^{×} - 650'
50	550 * - 800'
55	750 * - 1000'
60	1000 ^{米} - 1250'
65	1000 ^{米} - 1250'

★ THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



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SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

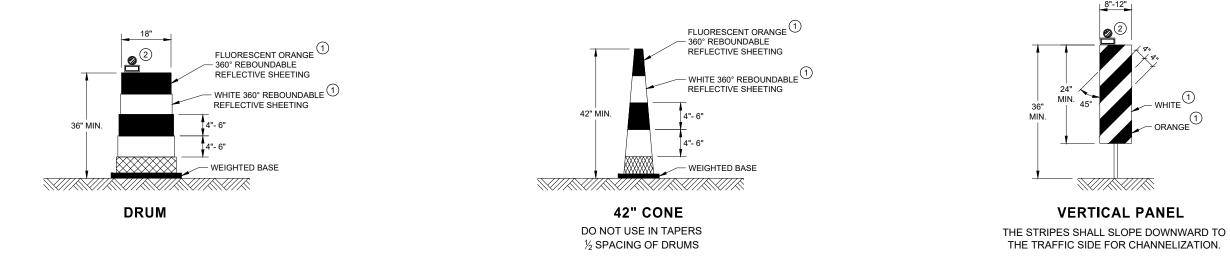
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

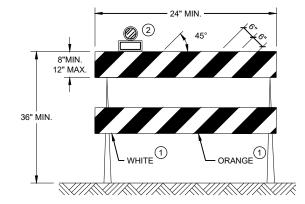
APPROVED February 2021 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER

FHWA

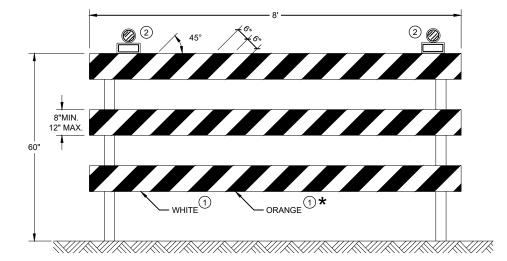
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





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.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

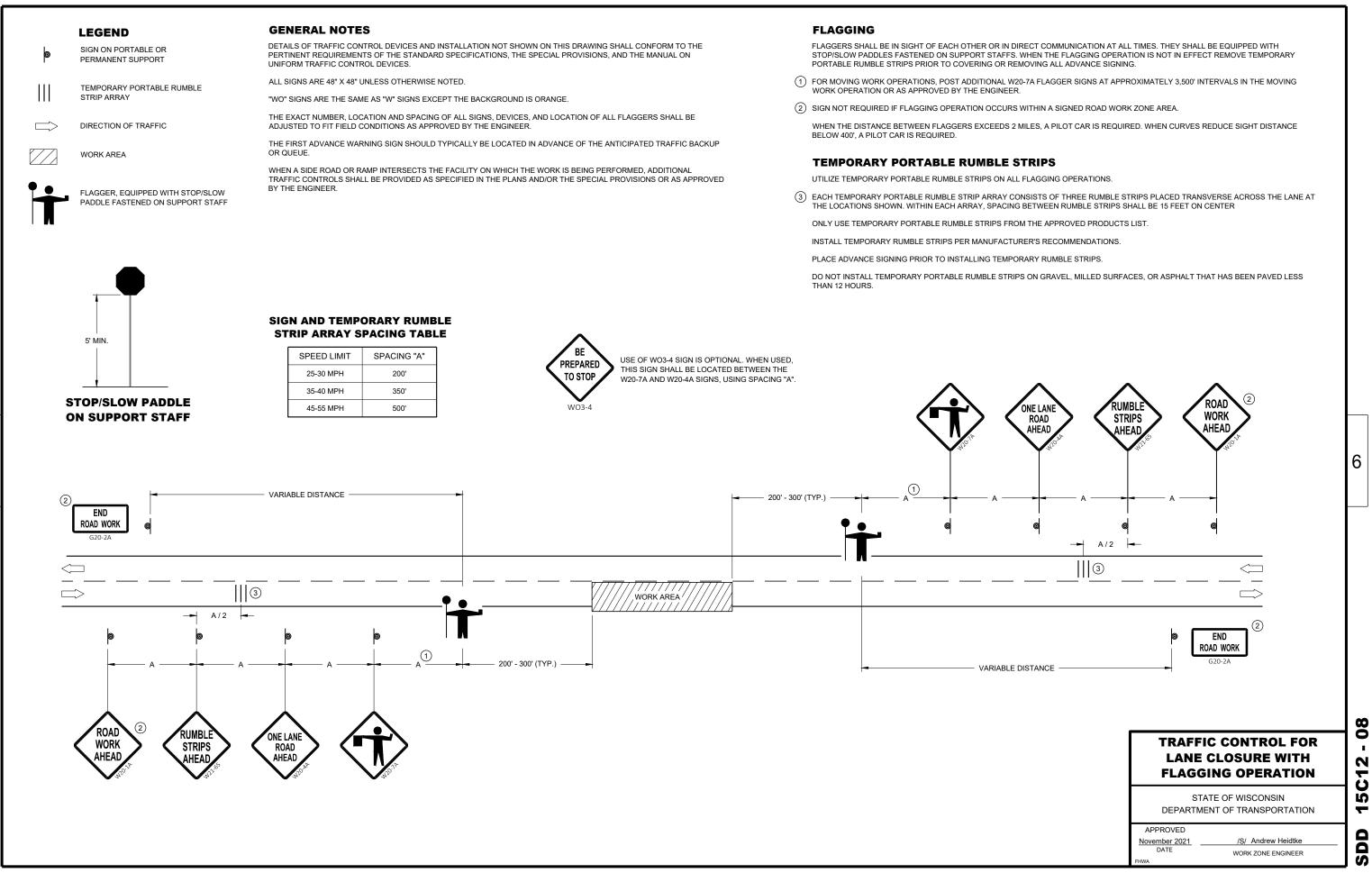
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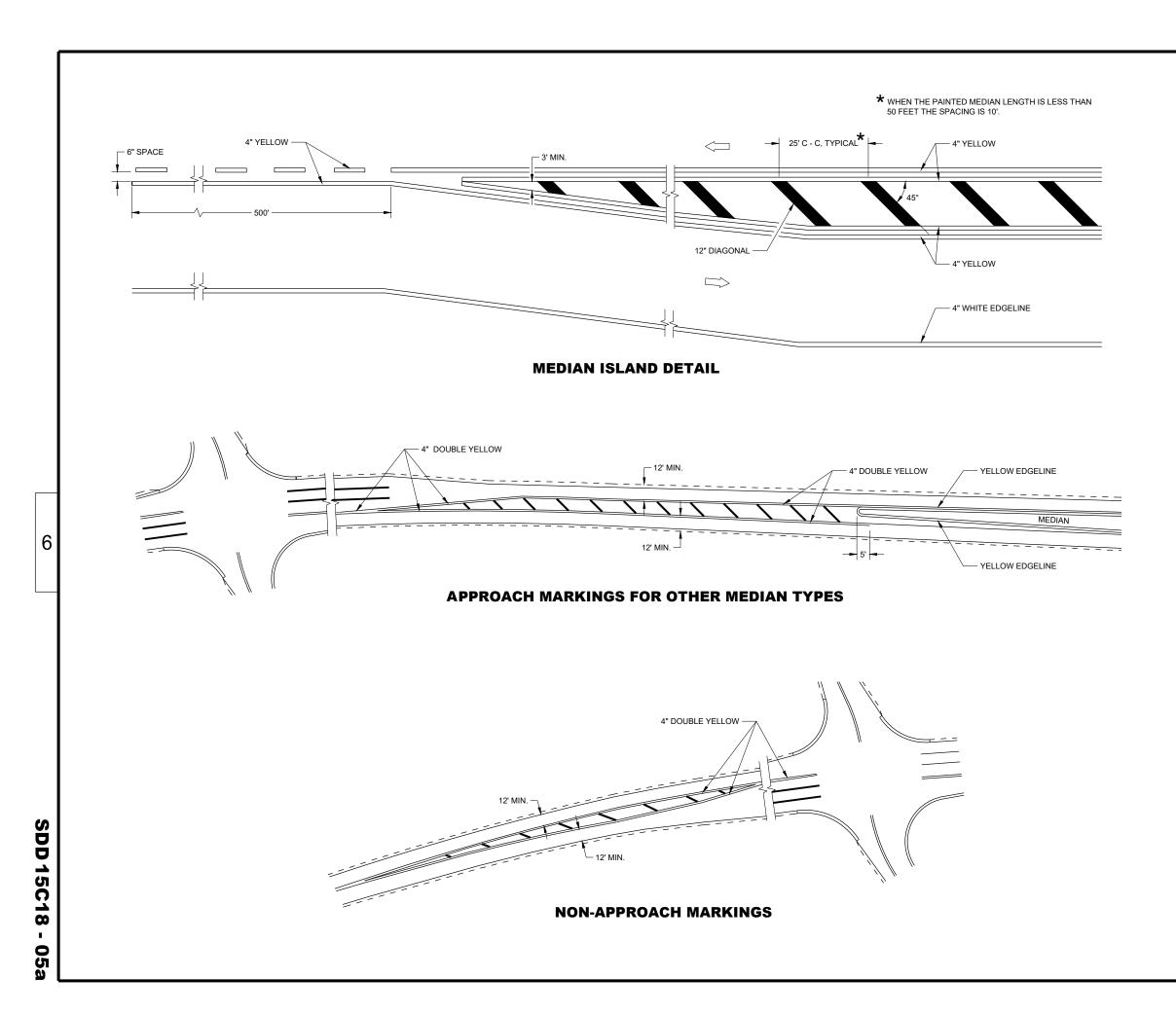
CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2021 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER





DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

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SDD15C18 - 05a

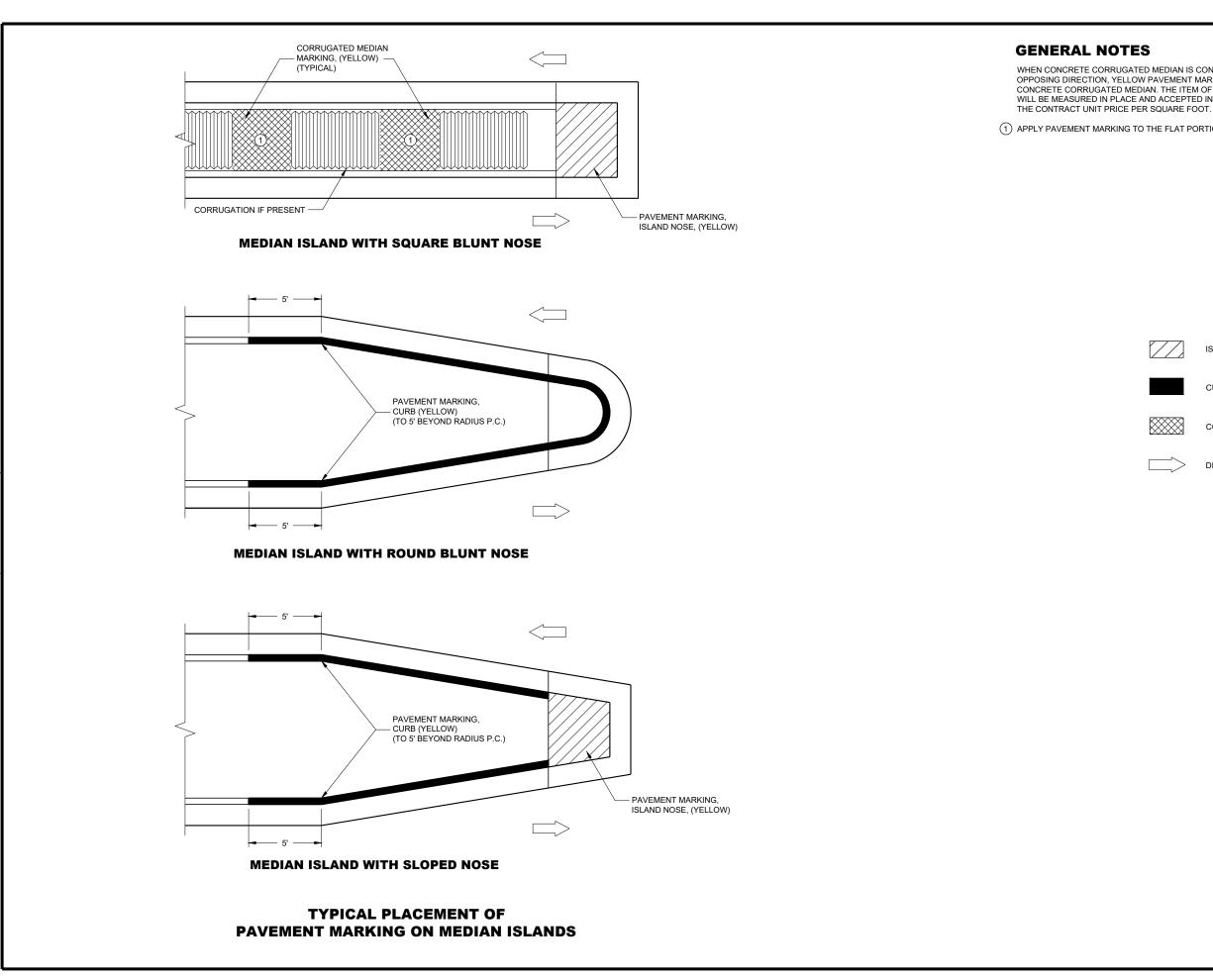
MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2021 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER

FHWA



WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.



ISLAND NOSE MARKING

CURB MARKING



CORRUGATED MEDIAN MARKING



DIRECTION OF TRAVEL

Ω Q 0 **C18** Ď ~ SDD

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PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

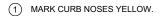
APPROVED February 2021 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER

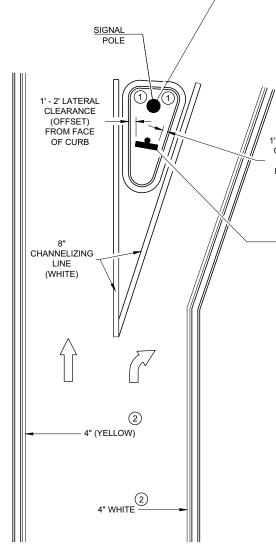
REQUIREMENTS FOR EDGE LINES					
	IS THERE CONTINUOUS LIGHTING?				
POSTED SPEED	YES	NO			
≤ 30 MPH	NO	OPTIONAL			
35 OR 40 MPH	OPTIONAL	RECOMMENDED			
≥ 45 MPH	RECOMMENDED	REQUIRED			

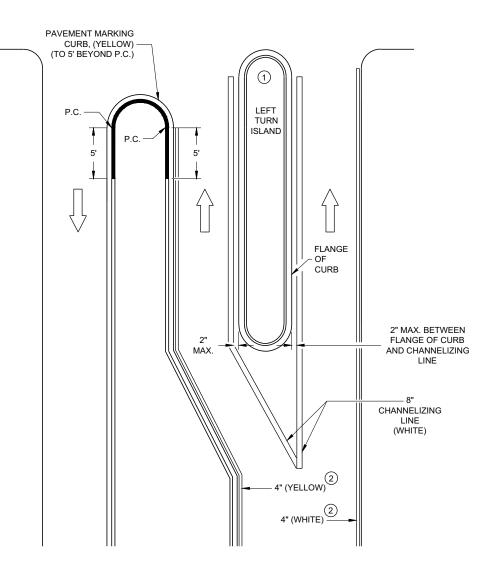


APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL. SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.



2 MARK ACCORDING TO TABLE.





LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



2' MOUNTING HEIGHT

OPTION #2 IF LATERAL CLEARANCE NOT POSSIBLE WITH OPTION #1

1' - 2' LATERAL CLEARANCE (OFFSET) FROM FACE OF CURB

W12-1D 2' MOUNTING HEIGHT

OPTION #1

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

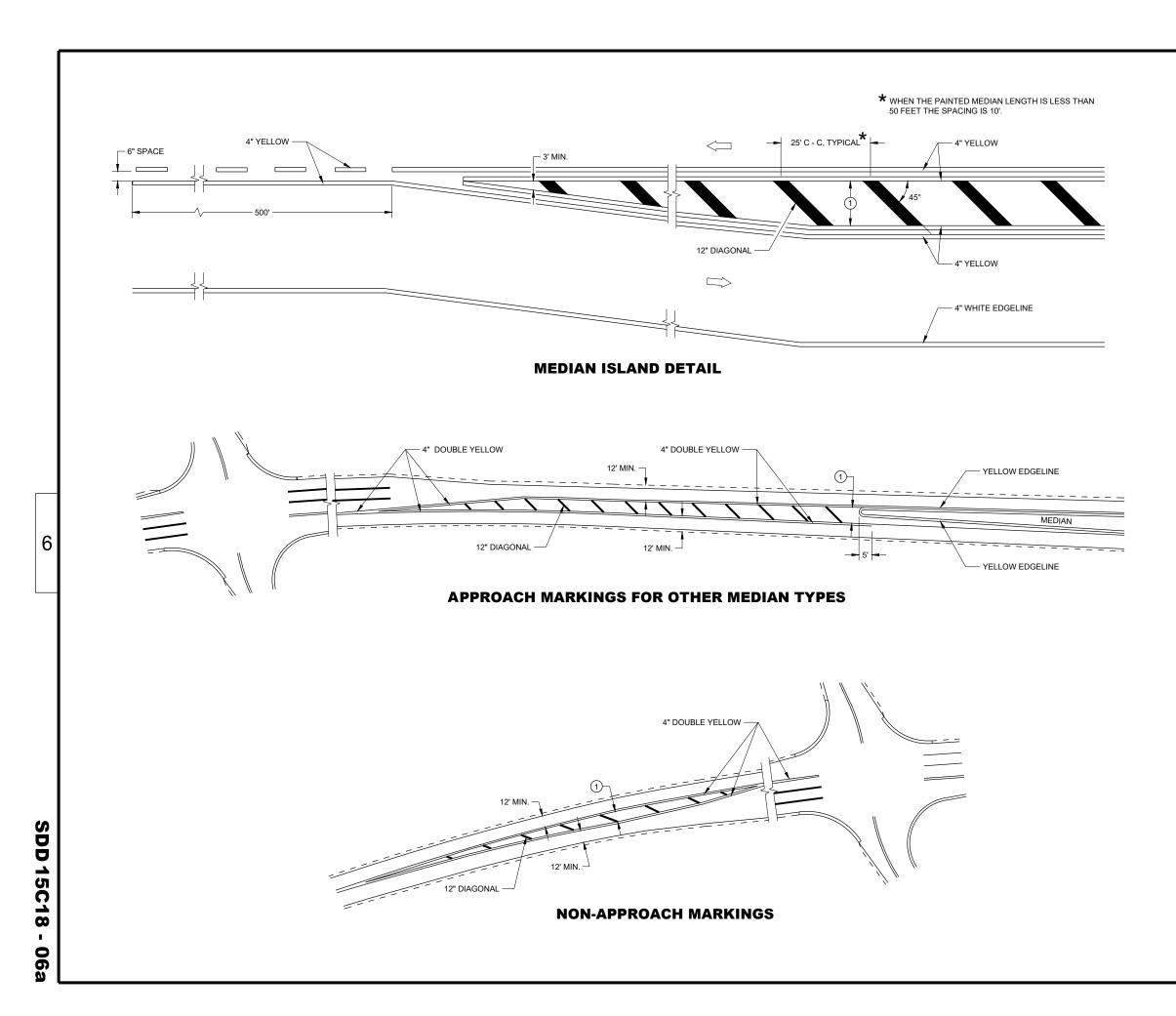
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2021 DATE

/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER

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U Ň Õ 15C18 SDD



1 DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

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SDD15C18

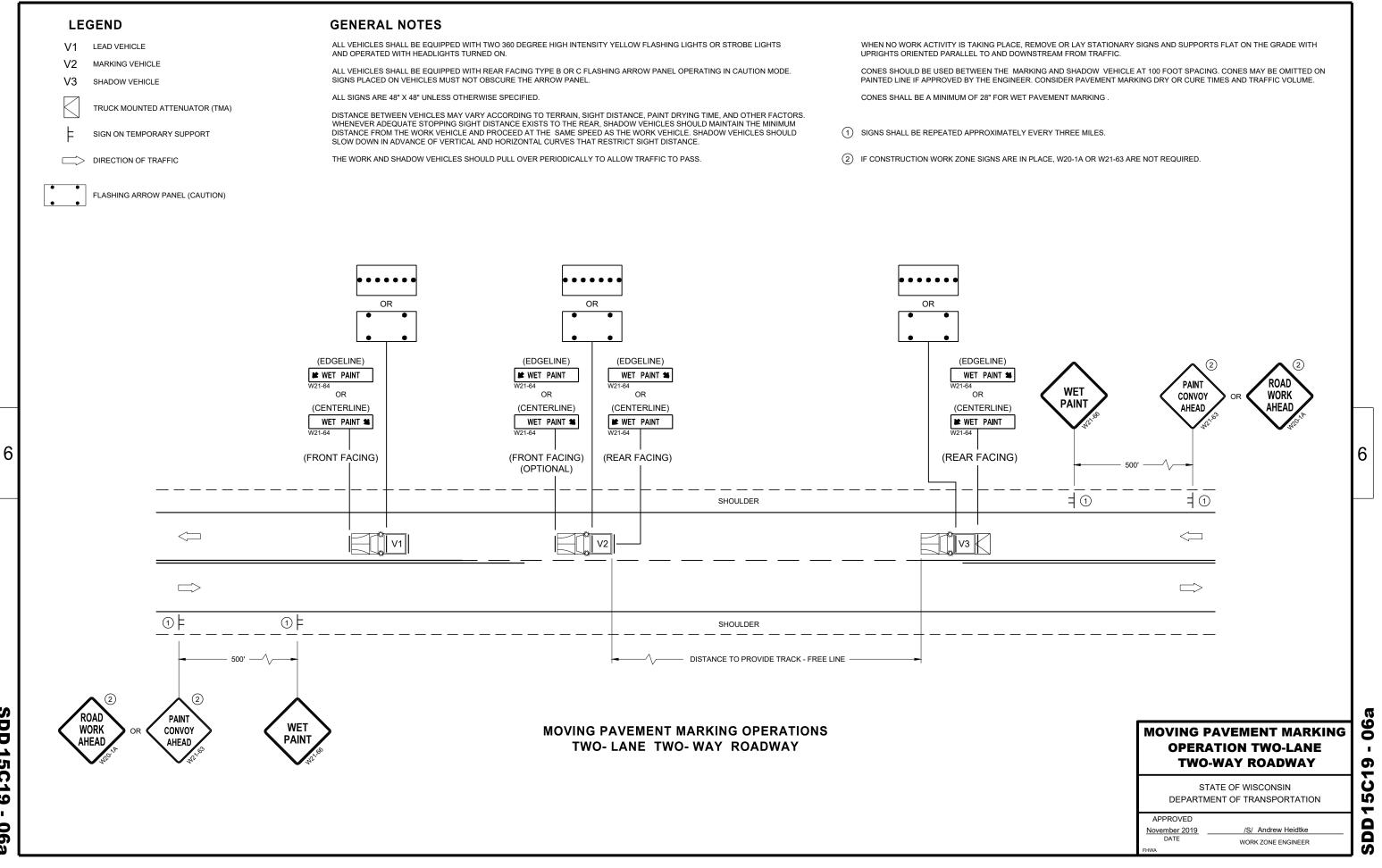
MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

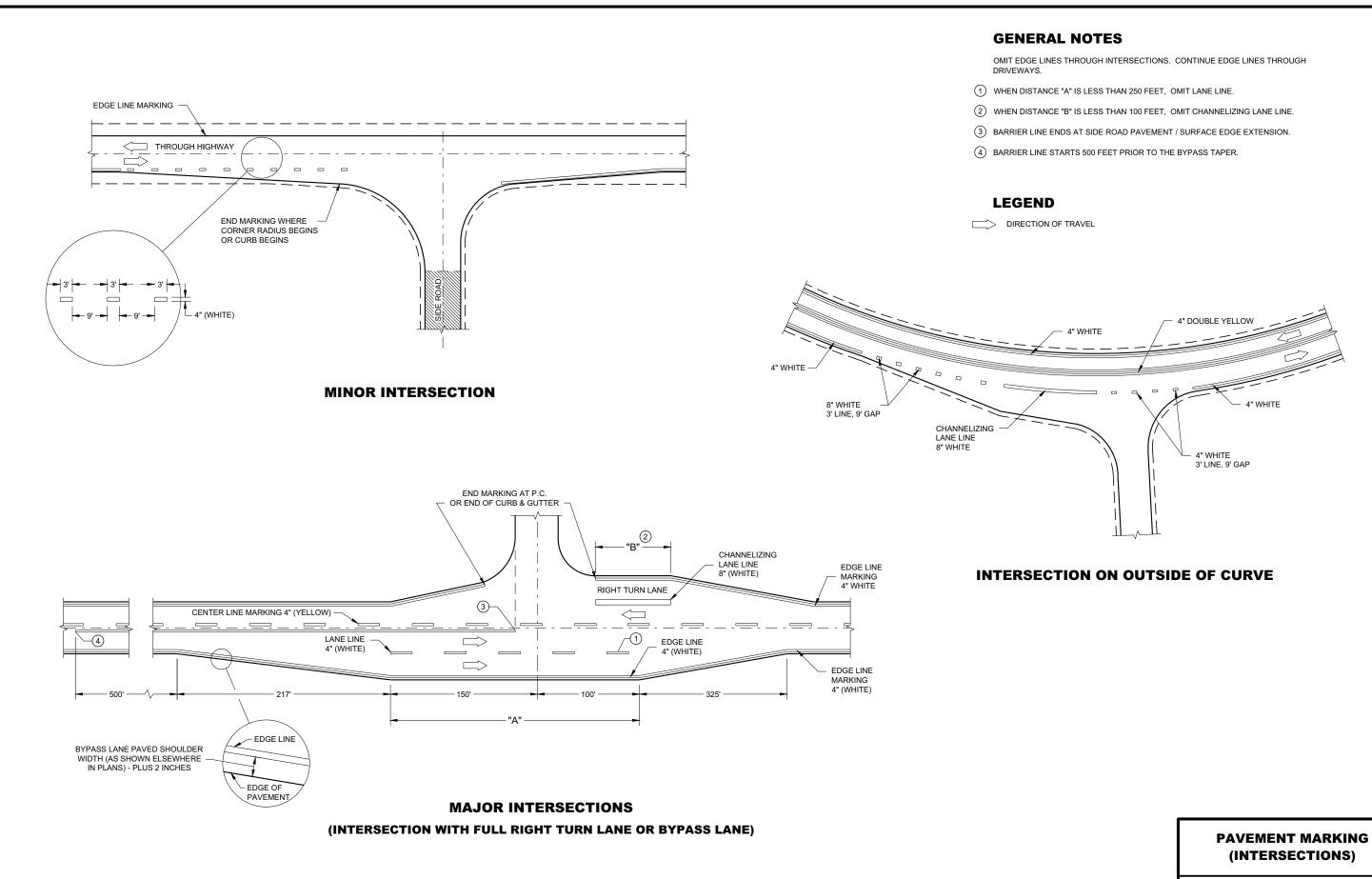
APPROVED May 2022 DATE

/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER

FHWA



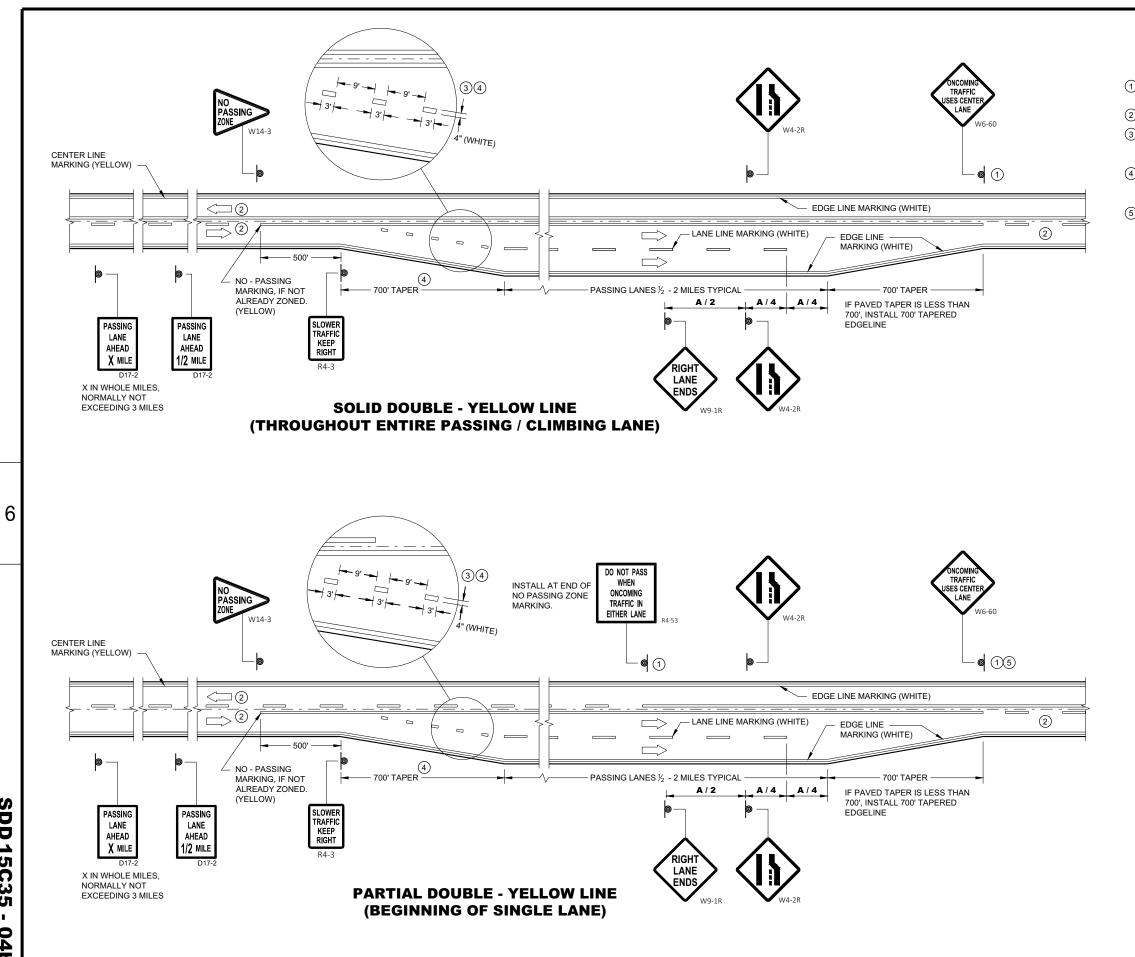
SDD 15C19 a





(INTERSECTIONS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



SDD 15C35 04Ь

GENERAL NOTES

1 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

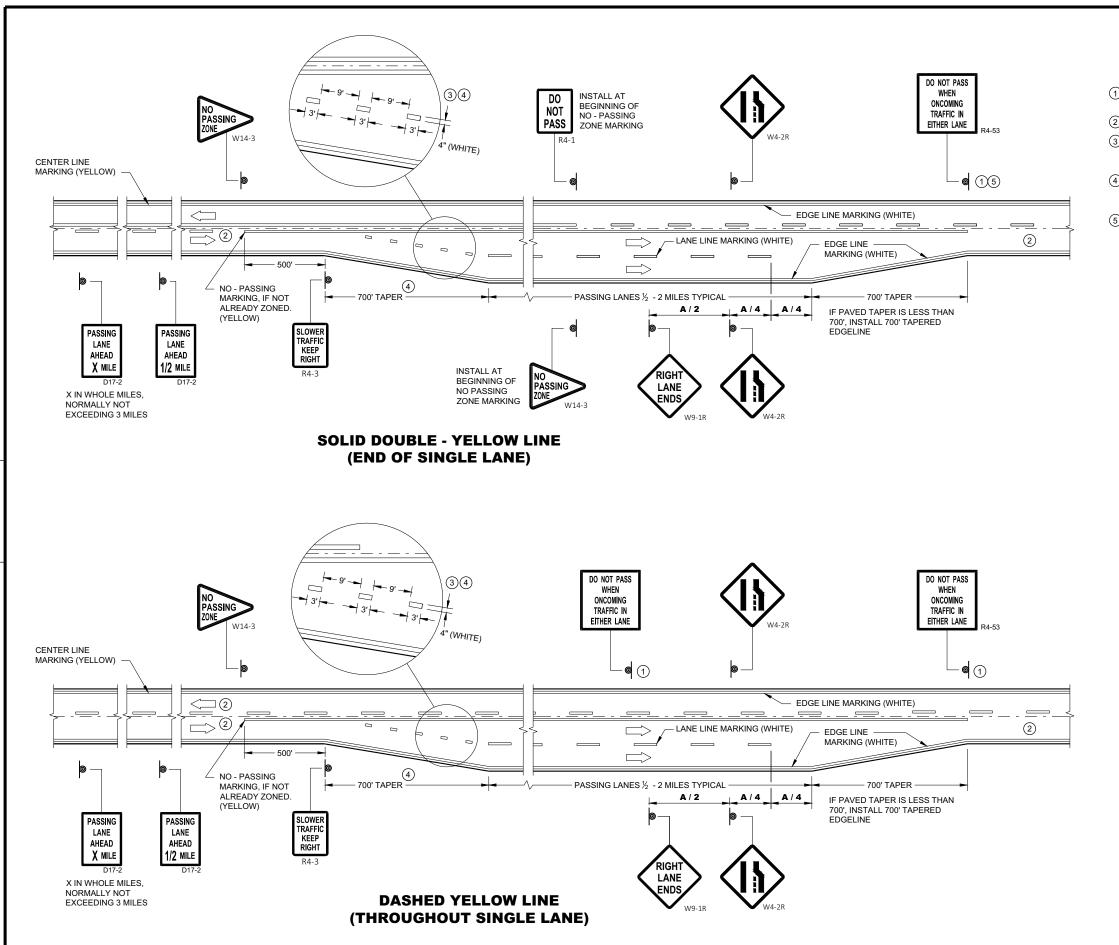
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

DISTANCE TABLE

04b . S Ö Ň ~ SDD

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



1 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 ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

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

DISTANCE TABLE

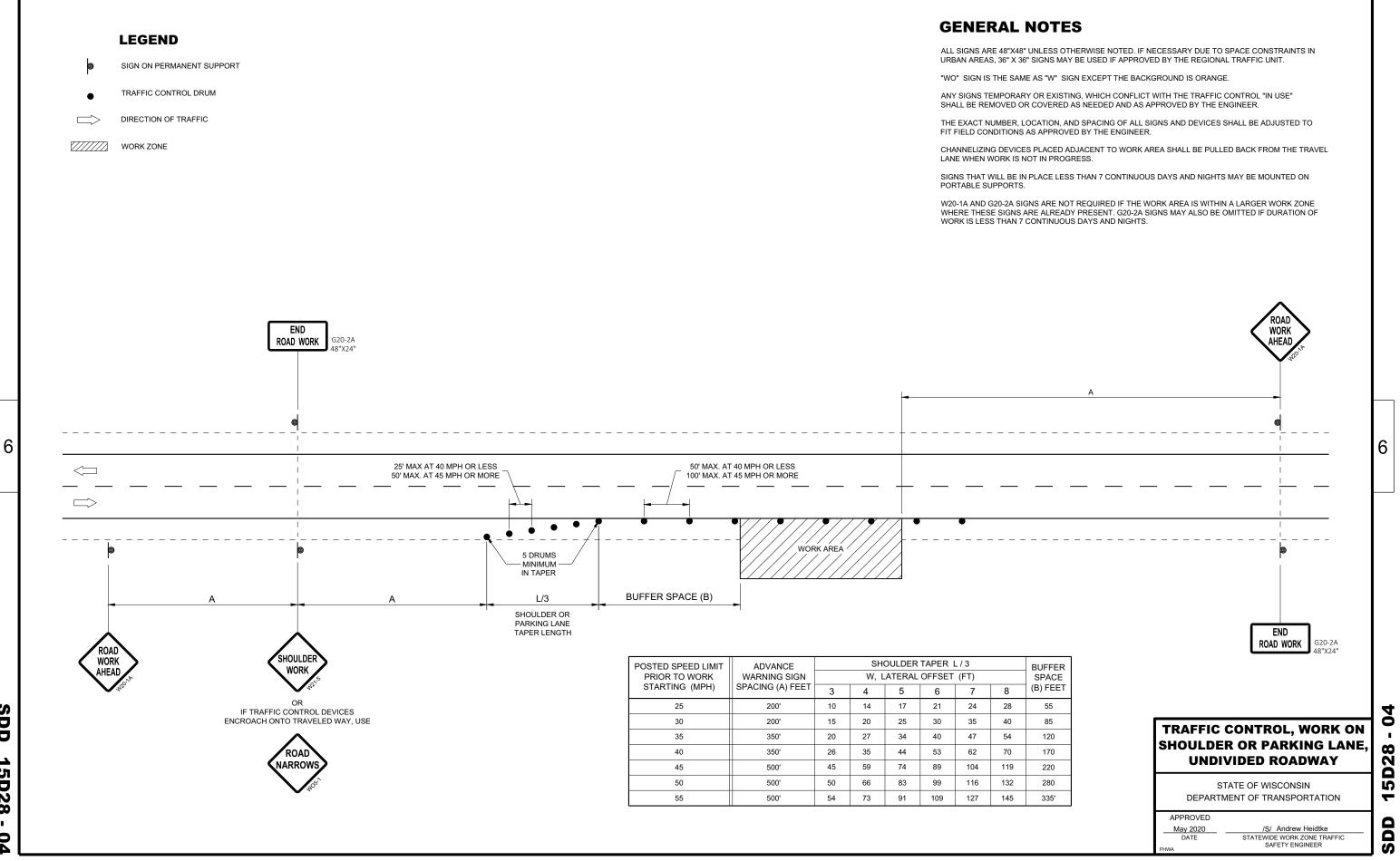
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

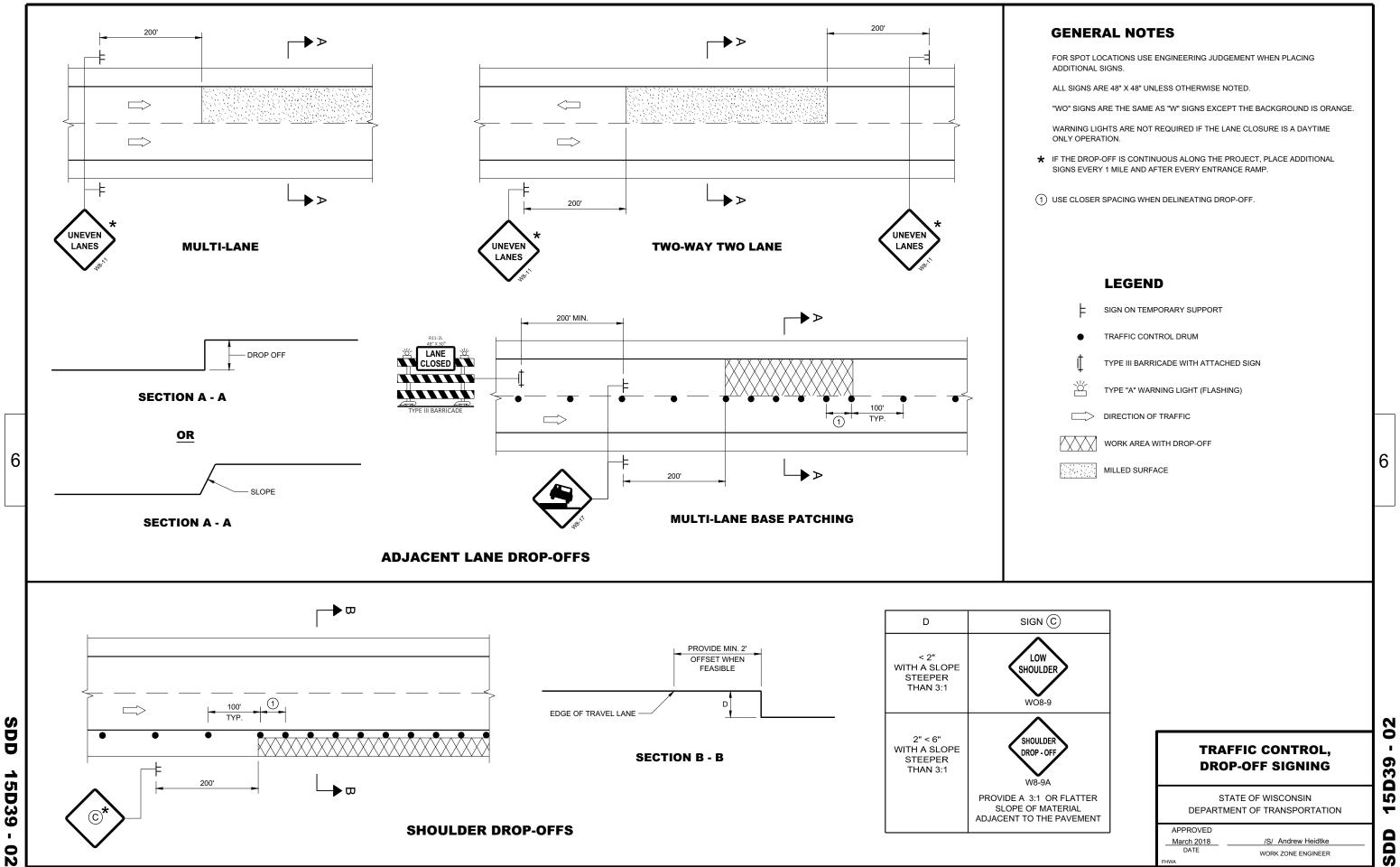
APPROVED November 2019 DATE

/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER 6

DD 15C35 - 04

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15D39 . 02

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS

LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ENGINEER.

OR REMOVED AS DIRECTED BY THE ENGINEER.

INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

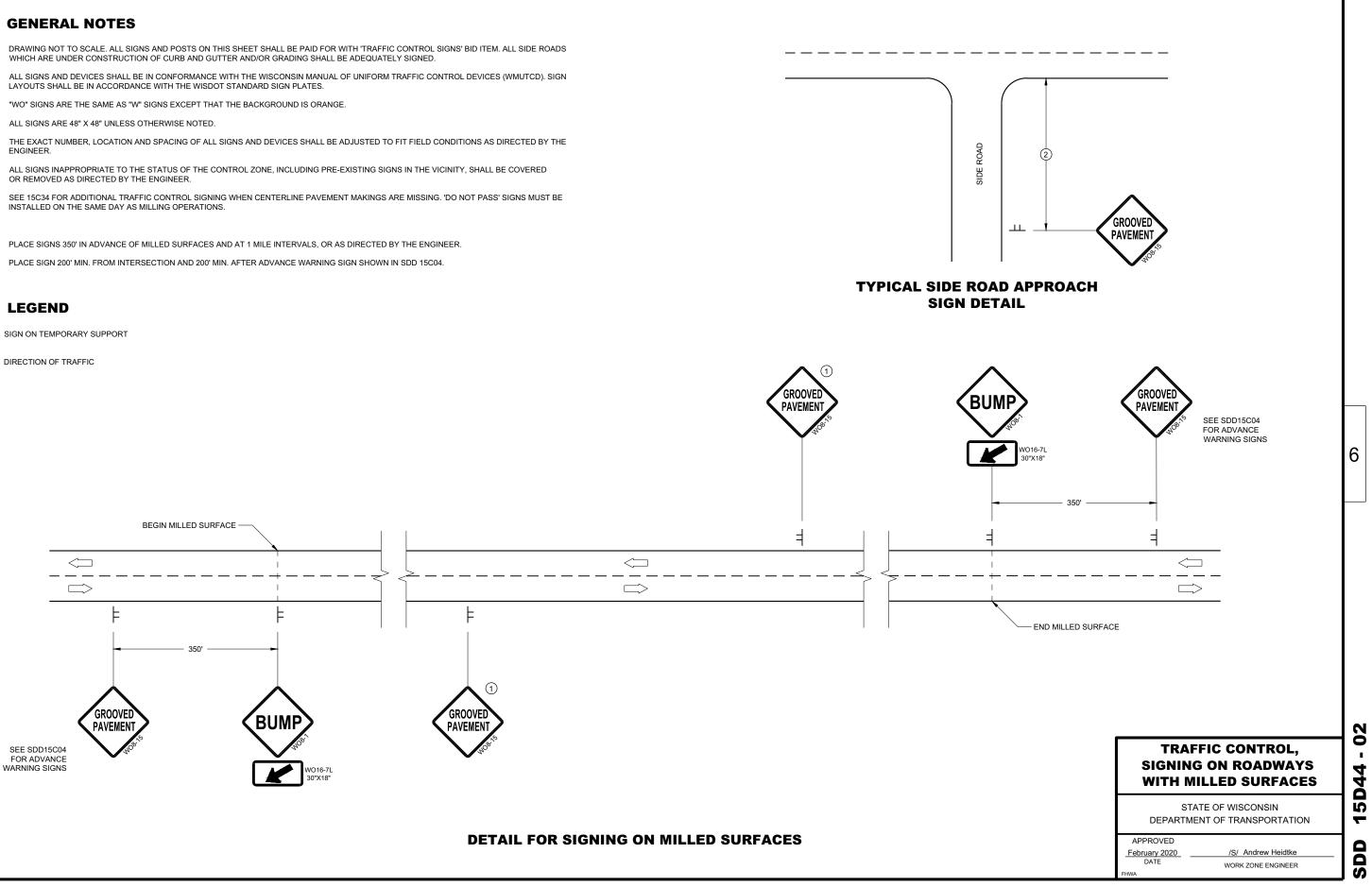
- (1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- (2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

LEGEND

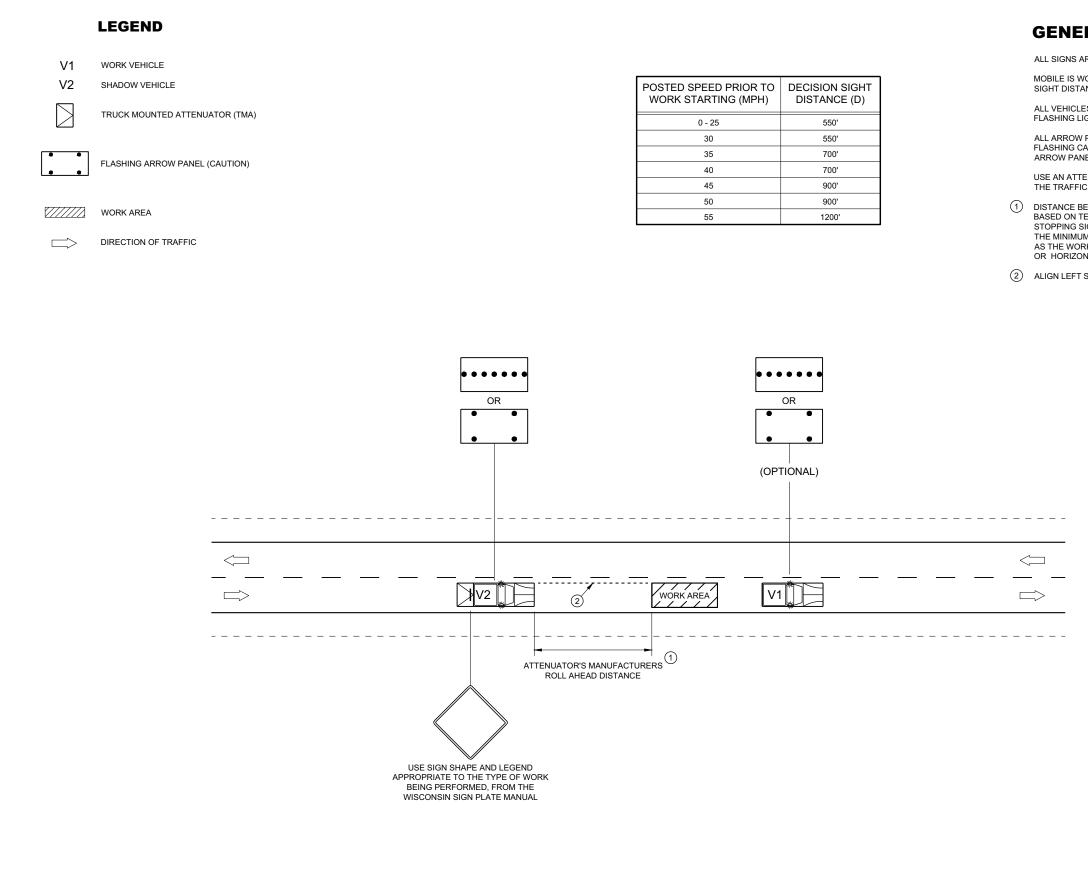
SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

F



SDD **15D44** 02



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.

THE TRAFFIC LANE.

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.

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

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.

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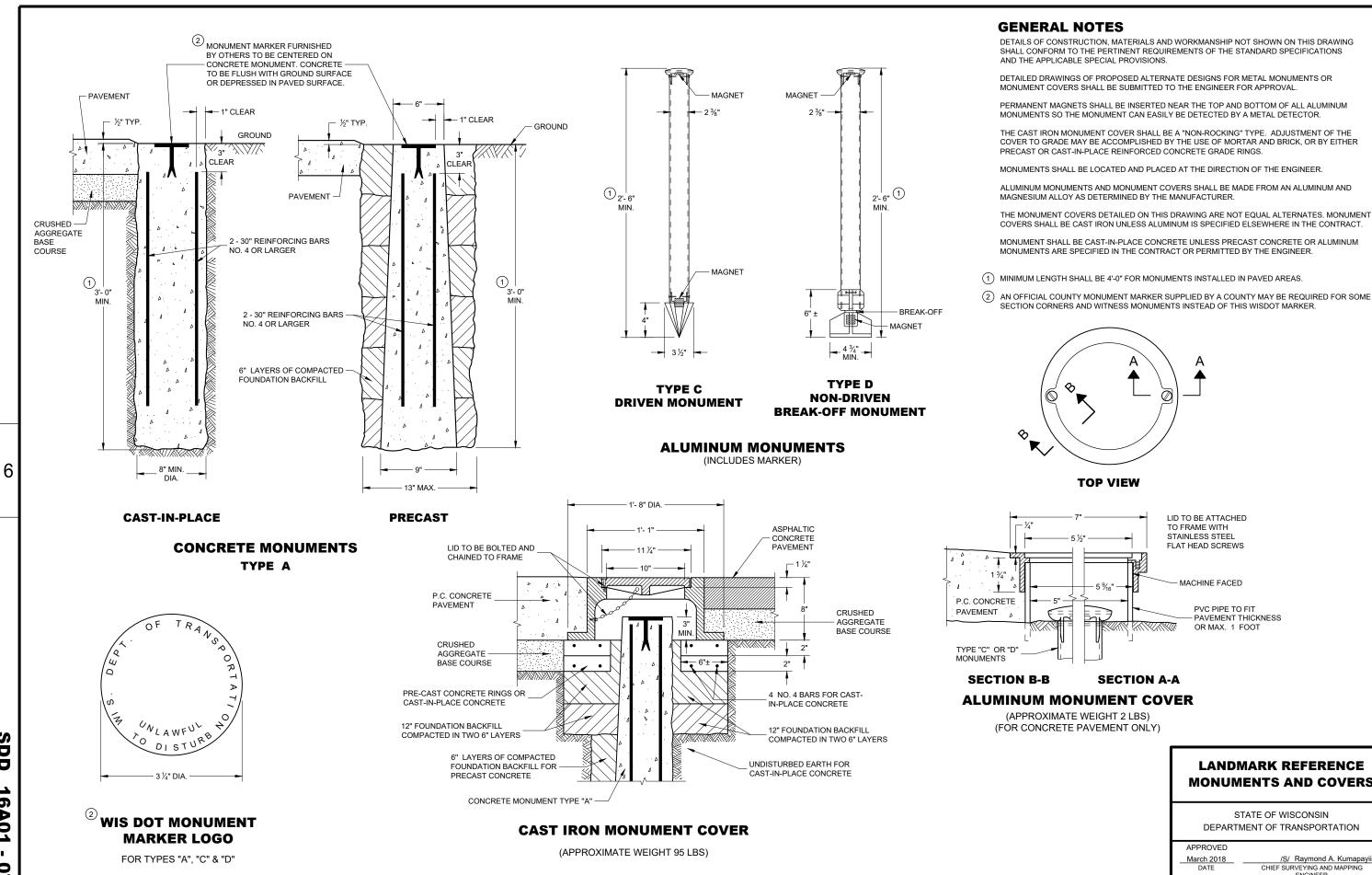
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TRAFFIC CONTROL, **MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2021 DATE

/S/ Andrew Heidtke STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER



SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM

COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER

COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

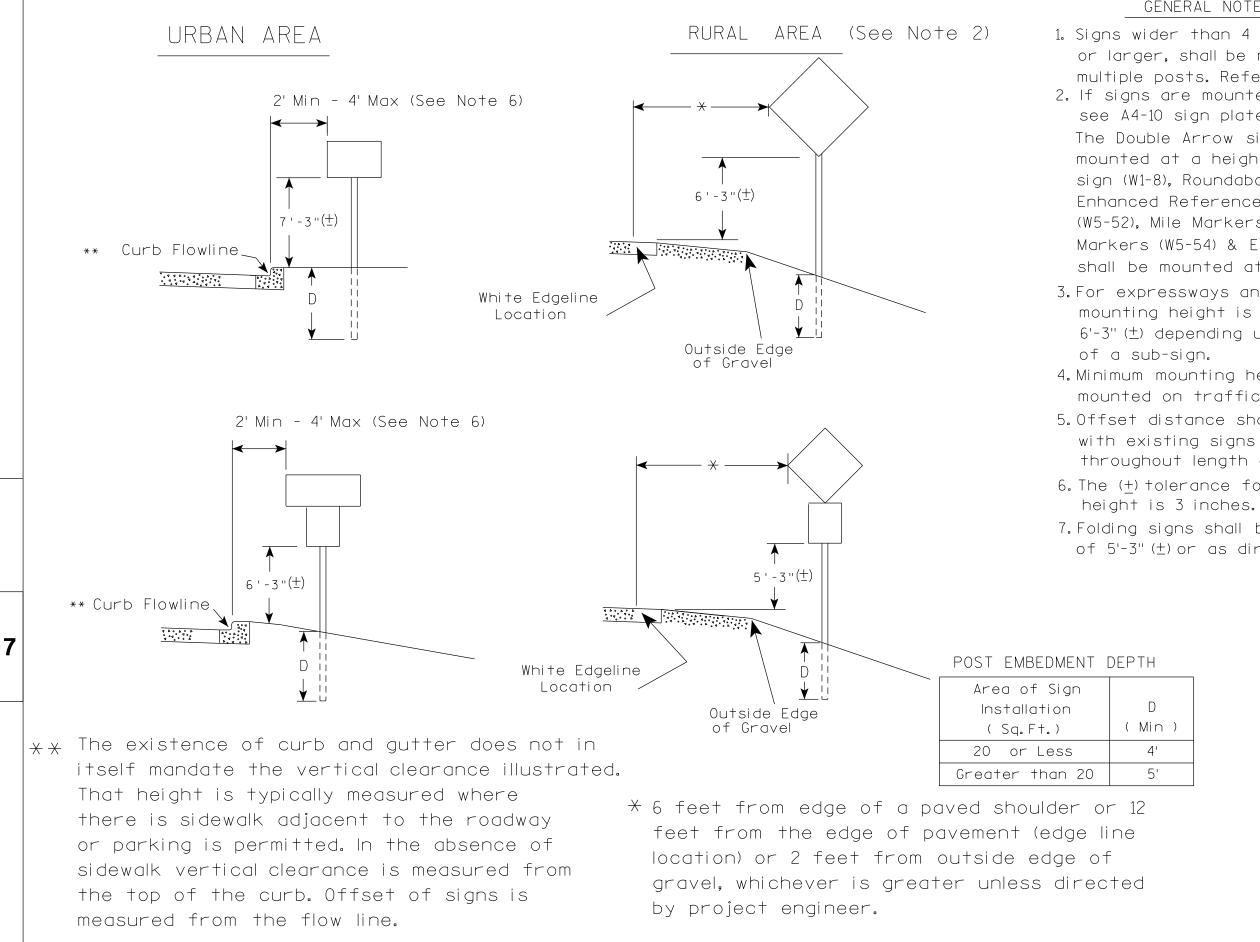
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM

LANDMARK REFERENCE **MONUMENTS AND COVERS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Raymond A. Kumapayii CHIEF SURVEYING AND MAPPIN ENGINEER

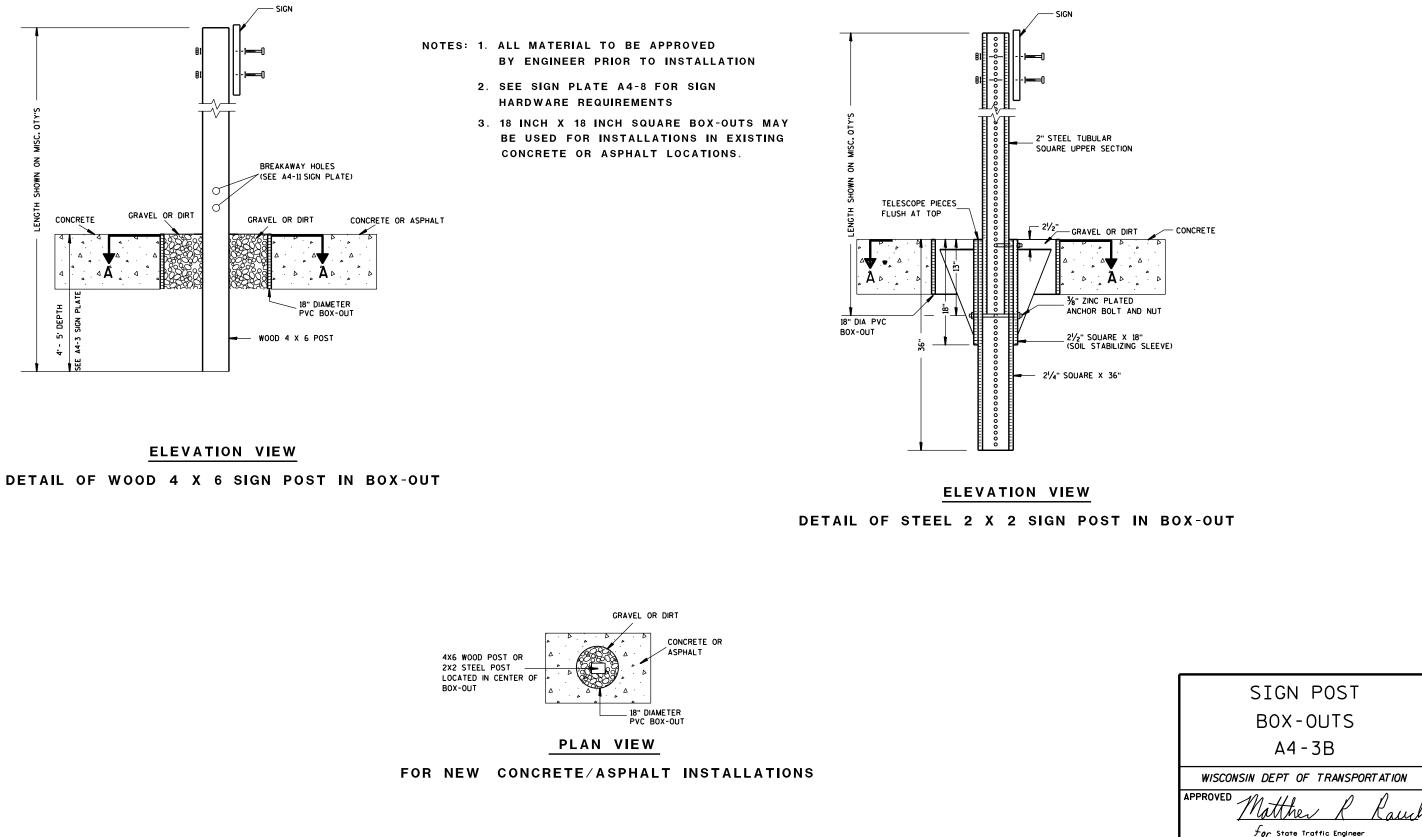
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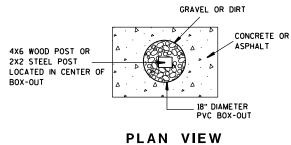


PROJECT NO:	HWY:	COUNTY:			
			DI AT DITE : 47 HUN 0000 4 4	DI OT DY IN IO	DLOT NAME -

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4. 2. If signs are mounted on or behind barrier wall. see A4-10 sian plate. The Double Arrow sign (W12-1D) shall be mounted at a height of $2'-3''(\pm)$. The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52). Mile Markers (D10 series). In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3'' (+). 3. For expressways and freeways, mounting height is 7'- 3" (\pm) or $6'-3''(\pm)$ depending upon existence 4. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (+). 5. Offset distance shall be consistent with existing signs or consistent throughout length of project. 6. The (+) tolerance for mounting 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directd by the Engineer.

)	
	TYPICAL INSTALLATION
	OF PERMANENT TYPE II
	SIGNS ON SINGLE POSTS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew & Rauch For state Traffic Engineer
	DATE <u>5/13/202</u> 0 PLATE NO. <u>A4-3.22</u>
	SHEET NO: E
PLOT SCALE : \$\$	WISDOT/CADDS SHEET 42





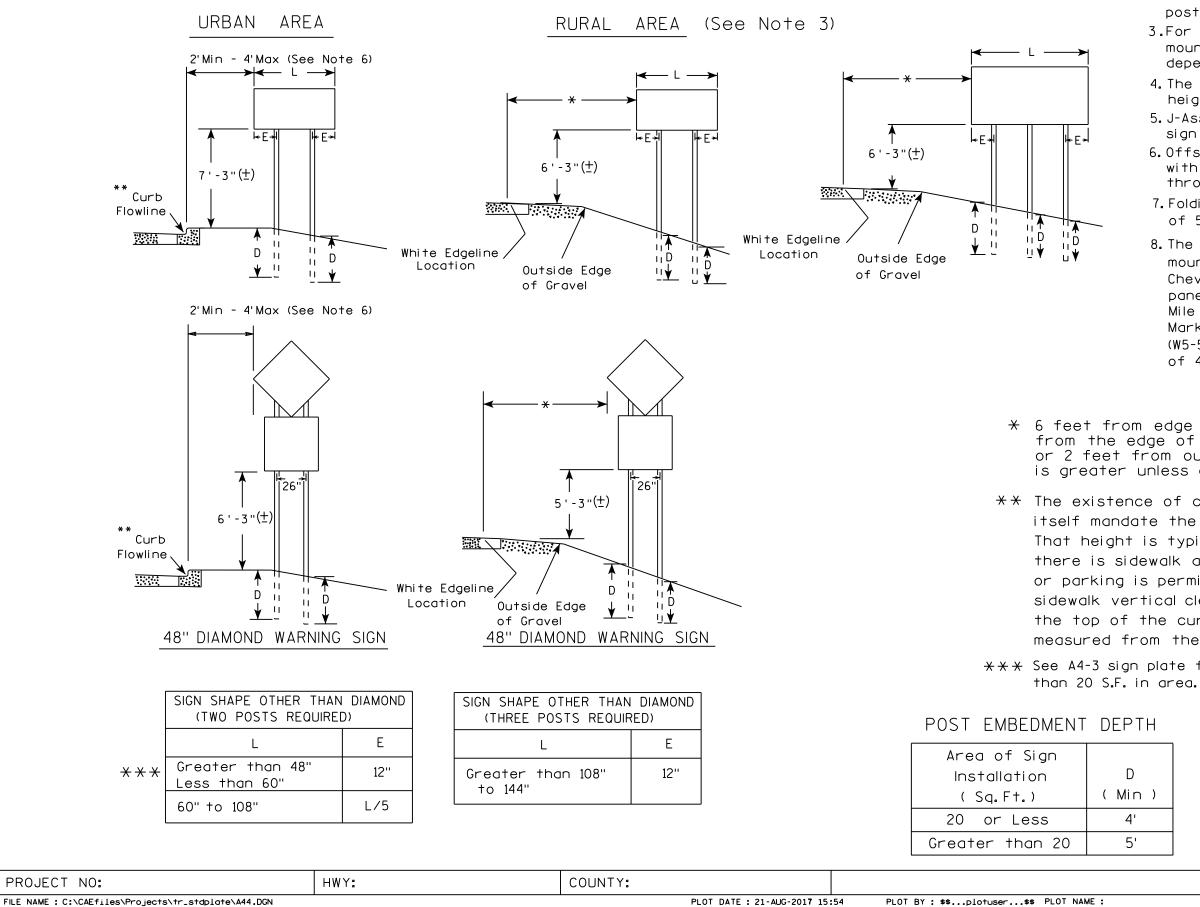
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

DATE <u>1/27/14</u>

SHEET NO:

PLATE NO. <u>A4-3B.1</u>

Ε



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

7

GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3.For expressways and freeways, mounting height is $7'-3''(\pm)$ or $6'-3''(\pm)$ depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3" (\pm) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3'' (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

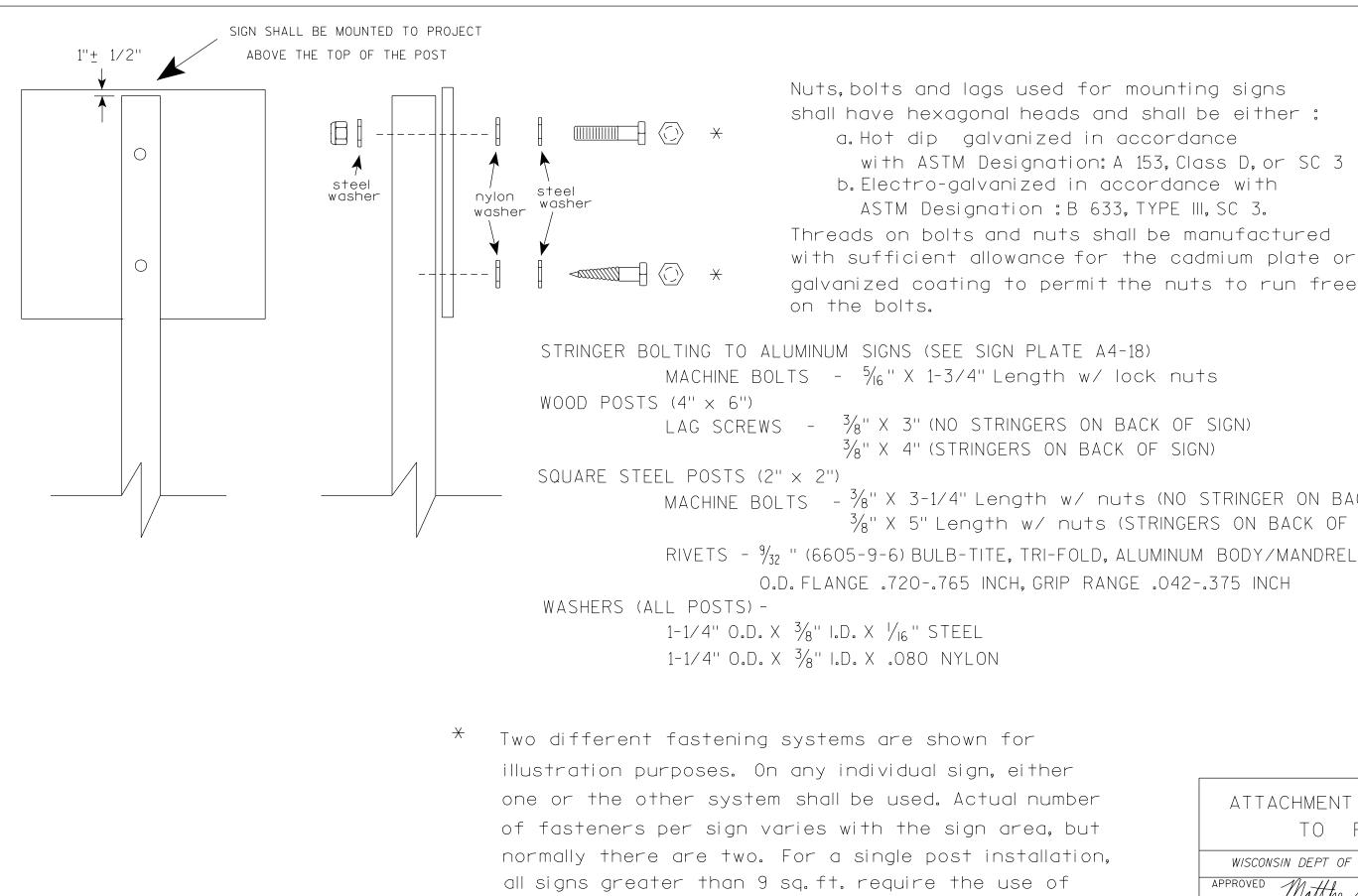
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

 \times \times See A4-3 sign plate for signs 4' or less in width and less

H	TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS				
,	WISCONSIN DEPT OF TRANSPORTATION				
,	APPROVED Matther & Rauch				
	For State Traffic Engineer				
	DATE 8/21/17 PLATE NO. 44-4.15				
	SHEET NO: E				

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



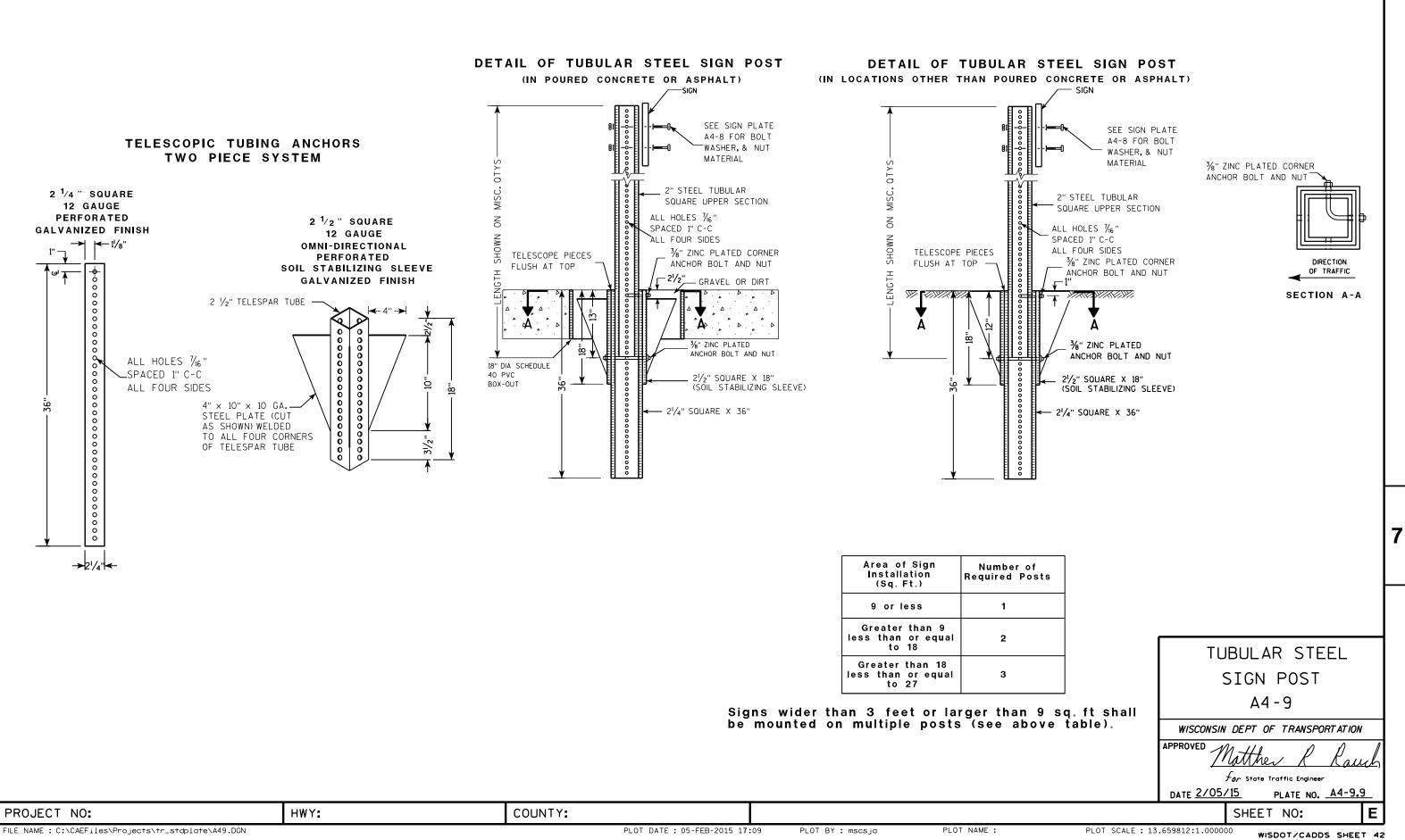
3 fasteners.

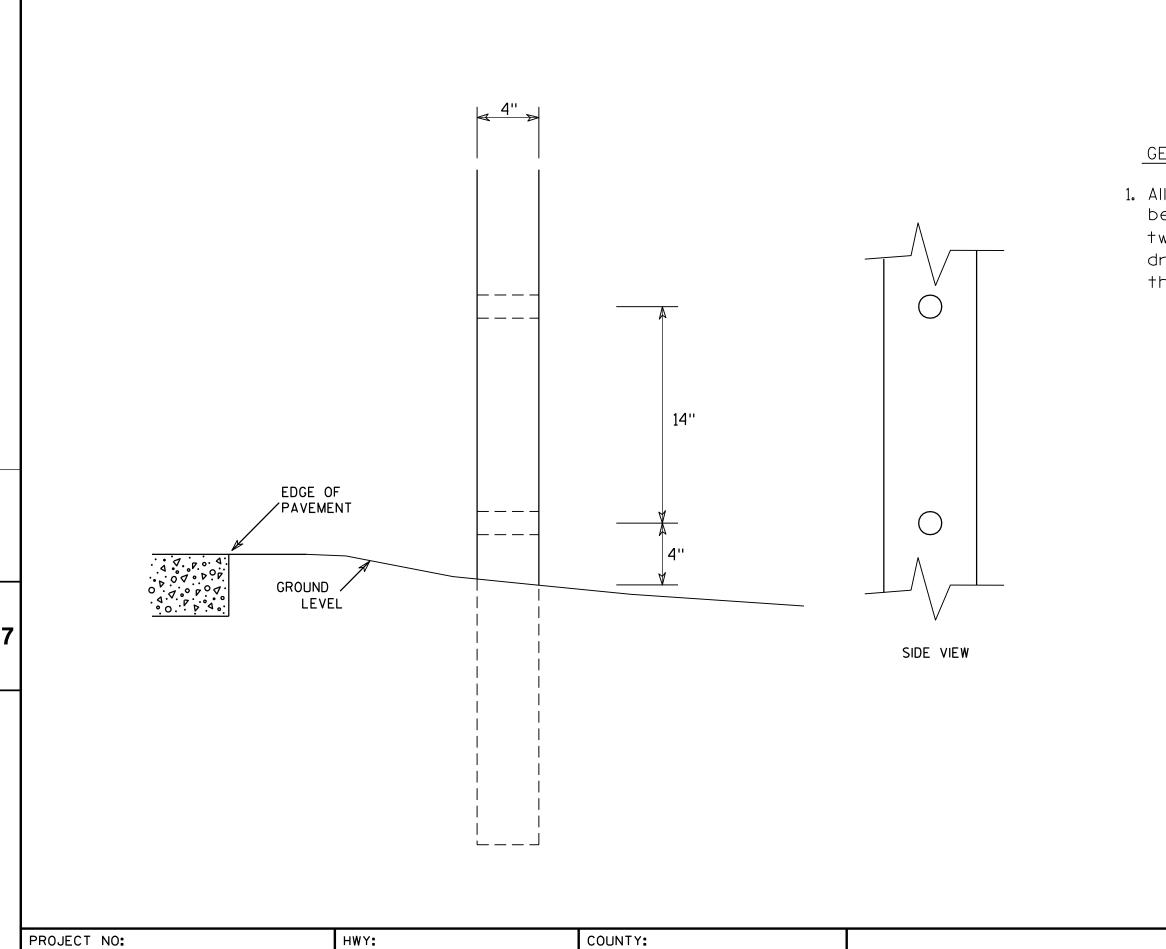
Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either : a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3 b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3. Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely

 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)

MACHINE BOLTS - ³/₈" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

ATTACHMENT OF SIGNS TO POSTS
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
∽°r State Traffic Engineer
DATE <u>4/1/202</u> 0 PLATE NO. <u>A4-8.9</u>
SHEET NO: E



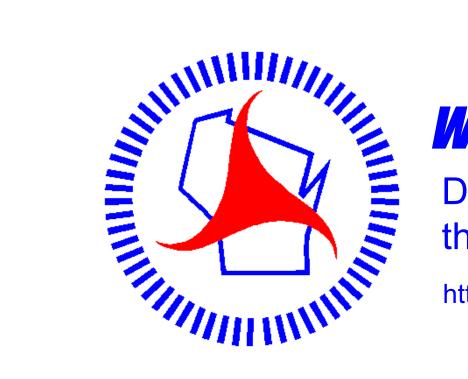


FILE NAME : C:\Users\Projects\tr_stdplate\A411.DGN

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two $1\frac{1}{2}$ " diameter holes drilled perpendicular to the roadway centerline.

	4	Х	ô	WOO	DF	POST	
		MOD	IF	FICA	TI	SNC	
	WISC	onsin l	DEF	PT OF T	RANSI	PORTATION	'
	APPROVE	D		hester .	Γέ	Spang	
			tor	State Tr	affic Er	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE NO	<u>A4-11.2</u>	2
	SHEET NO: E						
OT SCALE	T SCALE : 6.207338:1.000000 WISDOT/CADDS SHEET 42						



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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