#### MARCH 2022 STATE OF WISCONSIN ORDER OF SHEETS Section No. **DEPARTMENT OF TRANSPORTATION** Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities PLAN OF PROPOSED IMPROVEMENT Section No. Plan and Profile Section No. Standard Detail Drawings

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 5215-00-67 WISC 2022229 1

# **LANCASTER - BLOOMINGTON**

MCKINLEY ST TO GRANT RIVER BRIDGE

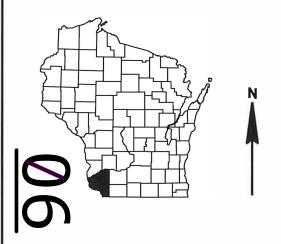
**STH 35 GRANT COUNTY** 

> STATE PROJECT NUMBER 5215-00-67

> > R-4-W | R-3-W

Grant

Hurricane



Cross Sections

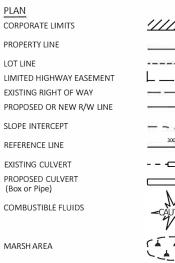
DESIGN DESIGNATION 5215-00-37

TOTAL SHEETS = 60

A.A.D.T. A.A.D.T. 2047 = 2900 D.H.V. = 294 = 60/40 = 21.9%

DESIGN SPEED = 1,100,000

## **CONVENTIONAL SYMBOLS**



**PROFILE GRADE LINE** ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) GRADE ELEVATION CULVERT (Profile View) UTILITIES SANITARY SEWER STORM SEWER TELEPHONE WATER

UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE

Ģ

**BEGIN PROJECT** 

STA 454+50

X = 785957.96

Y = 511489.46

T-3-N

Beetown

LAYOUT TOTAL NET LENGTH OF CENTERLINE = 6.342 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, GRANT COUNTY, NAD83 (2011), IN U.S. SURVEY FEET, VALUES ARE GRID COORDINATES, GRID BEARINGS. AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (2012).

**END PROJECT** STA 789+35 X =816492.82 Y = 521358.87

T-5-N T-4-N

#### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

SW REGION

ERIN CLEMENTS

JIM SIMPSON, P.E., P.L.S.

SW REGION

KURT JOHNSON, P.E.

REPARED BY Designer Regional Supervisor

PPROVED FOR THE DEPARTMEN

FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\010101-TI.DWG

WOODED OR SHRUB AREA

10/19/2021 9:24 AM

CLEMENTS, ERIN A

PLOT NAME :

T-3-N

2

STANDARD ABBREVIATIONS

ANNUAL AVERAGE DAILY TRAFFIC AADT AGG AGGREGATE

ASPH ASPHALTIC CENTER LINE CUBIC YARD

CE COMMERCIAL ENTRANCE DEGREE OF CURVE DHV DESIGN HOUR VOLUME DWY DRIVEWAY

EASTBOUND ELEVATION

**EQUIVALENT SINGLE AXLE LOADS ESALS** 

FIELD ENTRANCE

FOOT HOT MIX ASPHALT HMA LENGTH OF CURVE LINEAR FOOT LUMP SUM MAXIMUM MAX Mgal MEGAGALLON MPH MILES PER HOUR MIN MINIMUM MON MONUMENT NORMAL CROWN POINT OF CURVATURE

PRIVATE ENTRANCE POINT OF INTERSECTION POINT OF TANGENCY POINT OF VERTICAL CURVE PVC POINT OF VERTICAL INTERSECTION

PVT POINT OF VERTICAL TANGENCY RADIUS RDWY ROADWAY REQ'D REQUIRED

SECTION CORNER SDD STANDARD DETAIL DRAWINGS SUPERELEVATION SE

SQUARE FEET SHLDR SHOULDER STREET STA **STATION** 

STH STATE TRUNK HIGHWAYS SQUARE YARD

TANGENT

TRUCKS (PERCENT OF) TEMP TEMPORARY TYPICAL TYP WESTBOUND

WB EAST GRID COORDINATE

NORTH GRID COORDINATE

GENERAL NOTES:

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

SAWCUTS AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

ASPHALTIC SURFACE/HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED PAVEMENT

NUMBER, LOCATIONS, AND SPACING OF TEMPORARY AND PERMANENT SIGNS AND DEVICES AS SHOWN ON THE PLANS, SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

FIELD VERIFY SUPERELEVATION CROSS SLOPES BEFORE MILLING. MATCH EXISTING SUPERELEVATION CROSS SLOPES UNLESS OTHERWISE NOTED IN THE PLANS.

UTILITY CONTACTS:

ALLIANT ENERGY - ELECTRICITY ALLAN MUMM 2200 E CAMPION BLVD PRAIRIE DU CHIEN, WI 53821 (608) 732-7925 allanmumm@alliantenergy.com

CHARTER COMMUNICATIONS - COMMUNICATION LINE STEVE HEGGE 315 KING ST DODGEVILLE, WI 53533

(608) 319-4806 steve.hegge@charter.com

DAIRYLAND POWER COOPERATIVE - ELECTRICITY

MIKE LYDON 3200 EAST AVE S P.O. BOX 817 LA CROSSE, WI 54602-0817 (608) 787-1381 michael.lydon@dairylandpower.com

SCENIC RIVERS ENERGY COOPERATIVE - ELECTRICITY SHANE CROWLEY

231 N SHERIDAN ST LANCASTER, WI 53813 (608) 723-2121 EXT. 553 scrowley@srec.net

TDS TELECOM - COMMUNICATION LINE JERRY MYERS 525 JUNCTION RD MADISON, WI 53717 (608) 664-4404 jerry.myers@tdstelecom.com

ORDER OF SECTION 2 SHEETS:

**GENERAL NOTES** PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PAVEMENT MARKINGS TRAFFIC CONTROL

WISCONSIN DEPT OF NATURAL RESOURCES CONTACTS

ANDY BARTA 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711-5367 (608) 235-2955 andrew.barta@wisconsin.gov

#### WISCONSIN DEPT OF TRANSPORTATION CONTACTS

PROJECT MANAGER JIM SIMPSON, P.E. 2101 WRIGHT ST MADISON, WI 53704 (608) 246-5628 jim.simpson@dot.wi.gov

DESIGN ENGINEER ERIN CLEMENTS 2101 WRIGHT ST MADISON, WI 53704 (608) 261-6122 erin.clements@dot.wi.gov

Dial (800)242-8511 www.DiggersHotline.com

PROJECT NO: 5215-00-67 HWY: STH 35 COUNTY: GRANT

N:\PDS\C3D\52150037\SHEETSPLAN\020101-GN.DWG

FILE NAME :

1/5/2022 10:32 AM

**GENERAL NOTES** 

SHEET

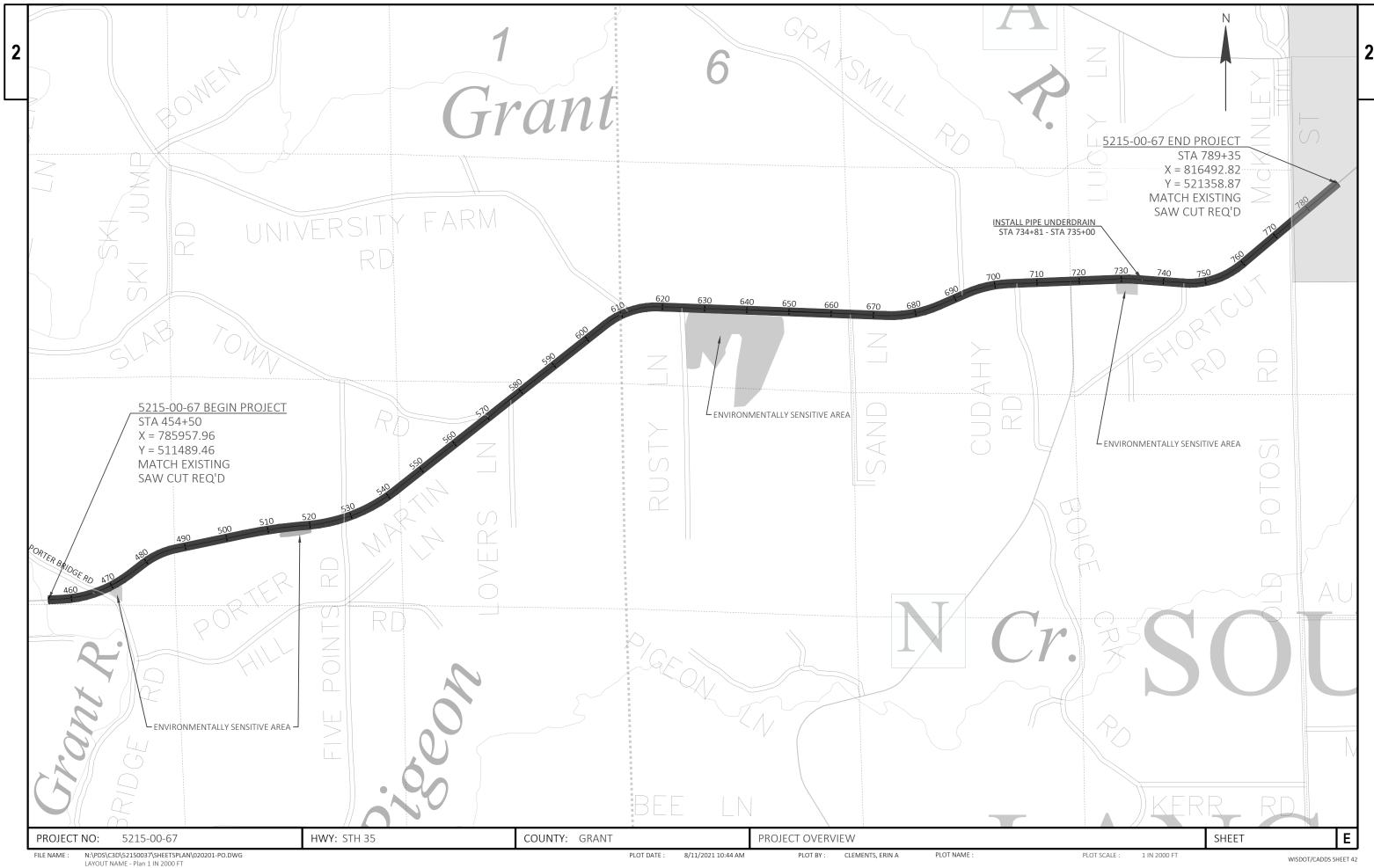
Ε

WISDOT/CADDS SHEET 42

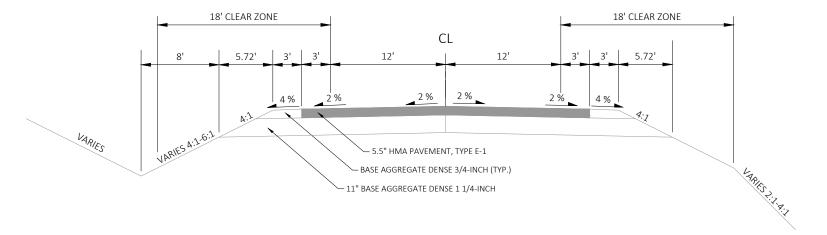
CLEMENTS, ERIN A

PLOT NAME

PLOT SCALE : 1 IN:100 FT

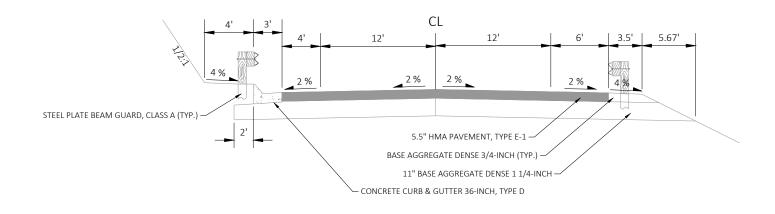






## **EXISTING TYPICAL SECTION**

STA. 454+50 - 460+50 STA. 485+50 - 503+92 STA. 509+21 - 524+50 STA. 543+50 - 560+55 STA. 708+50 - 720+00



## EXISTING TYPICAL SECTION

STA 503+92 - 509+21

PROJECT NO: 5215-00-67 HWY: STH 35 COUNTY: GRANT TYPICAL SECTIONS SHEET **E** 

10/13/2021 11:24 AM

PLOT BY: CLEMENTS, ERIN A

PLOT NAME :

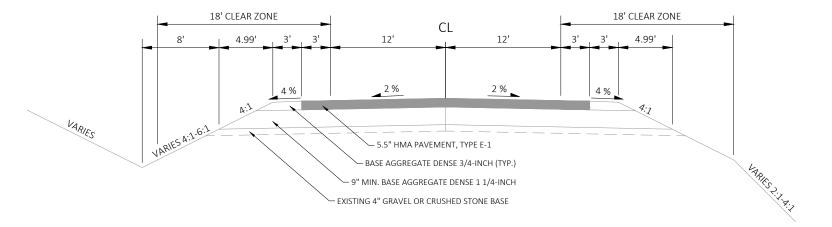
PLOT SCALE :

1 IN:10 FT

WISDOT/CADDS SHEET 42

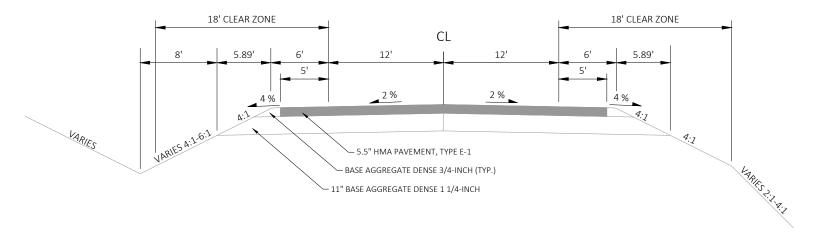
PLOT DATE :





## **EXISTING TYPICAL SECTION**

STA. 460+50 - 485+50 STA. 524+50 - 543+50 STA. 560+55 - 575+50 STA. 604+50 - 607+50 STA. 611+75 - 664+50 STA. 699+65 - 708+50



## **EXISTING TYPICAL SECTION**

STA 720+00 - 749+50 STA 758+50 - 760+50 STA 765+50 - 775+00

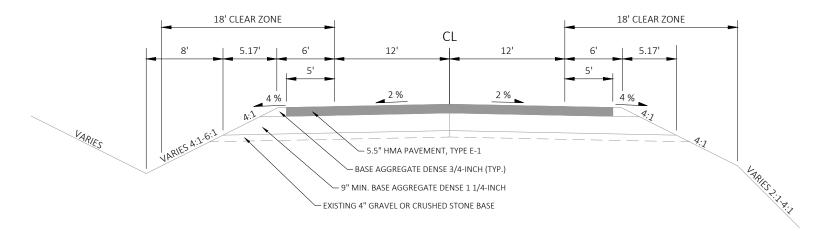
PROJECT NO: 5215-00-67 HWY: STH 35 COUNTY: GRANT TYPICAL SECTIONS

FILE NAME: N:\PDS\C3D\S2150037\SHEETSPLAN\020301-TS.DWG

PLOT DATE: 10/13/2021 11:24 AM PLOT NAME: PLOT NAME: PLOT SCALE: 1 IN:10 FT PLOT S

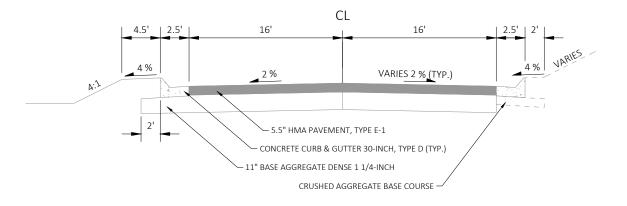
LAYOUT NAME - 020302-ts 1in-10ft





## **EXISTING TYPICAL SECTION**

STA 749+50 - 758+50 STA 760+50 - 765+50



## **EXISTING TYPICAL SECTION**

STA 775+00 - 789+35

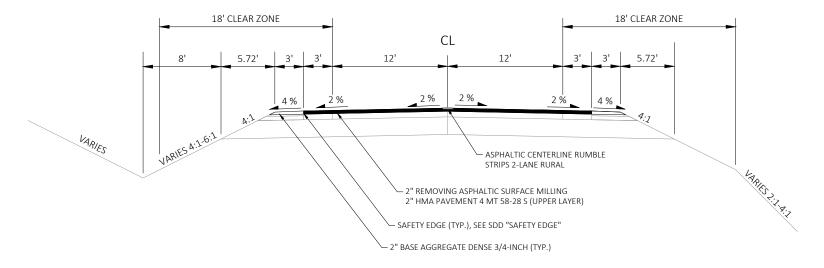
PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT		TYPICAL SECTIONS			SHEET	E	
FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\020301-TS.DWG		PLOT DATE :	10/13/2021 11:24 AM	PLOT BY: CLEMENTS, ERIN A	PLOT NAME :	PLOT SCALE : 1 IN:10 FT	WIED	OT/CADDC CUEFT 42	

FILE NAME : N:\PDS\C3D\\$2150037\\$HEETSPLAN\020301-TS.DWG LAYOUT NAME - 020303-ts 1in-10ft

WISDOT/CADDS SHEET 42

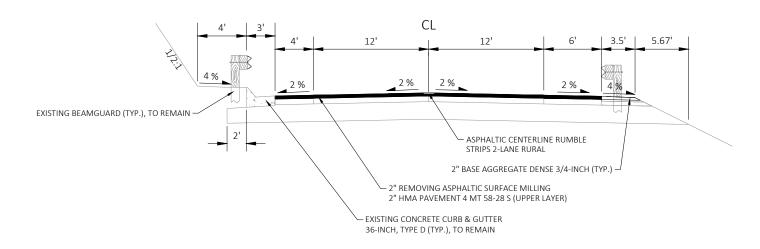






## FINISHED TYPICAL SECTION

STA. 454+50 - 460+50 STA. 485+50 - 503+92 STA. 509+21 - 524+50 STA. 543+50 - 560+55 STA. 543+50 - 560+55



## FINISHED TYPICAL SECTION

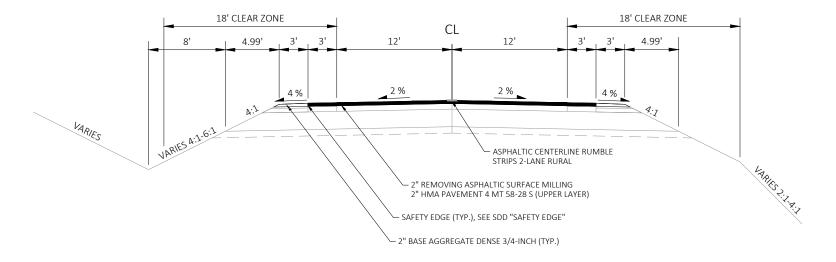
STA 503+92 - 509+21

PROJECT NO:	5215-00-67	HWY: STH 35	COUNTY: GRANT	TYPICAL SECTIONS	SHEET	E

LAYOUT NAME - 020304-ts 1in-10ft

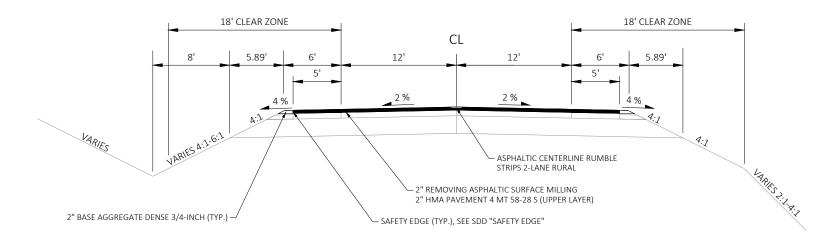
PLOT DATE: 10/13/2021 11:24 AM PLOT BY: CLEMENTS, ERIN A





## FINISHED TYPICAL SECTION

STA. 460+50 - 485+50 STA. 524+50 - 543+50 STA. 560+55 - 575+50 STA. 604+50 - 607+50 STA. 611+75 - 664+50 STA. 699+65 - 708+50



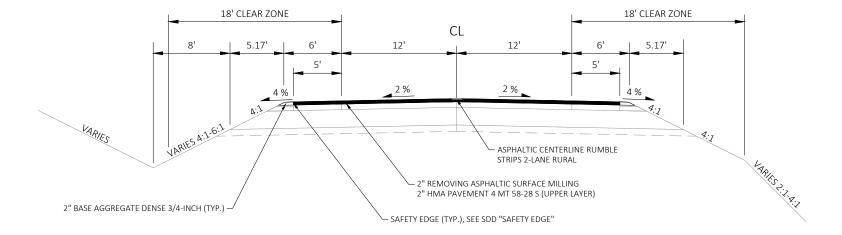
## FINISHED TYPICAL SECTION

STA 720+00 - 749+50 STA 758+50 - 760+50 STA 765+50 - 775+00

PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT	TYPICAL SECTIONS				SHEET	E
FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\020301-TS.DWG		PLOT DATE :	10/13/2021 11:24 AM PLOT BY : CLEMENTS, ER	RIN A PLOT NAME :	PLOT SCALE :	1 IN:10 FT		WISDOT/CADDS SHEET 43

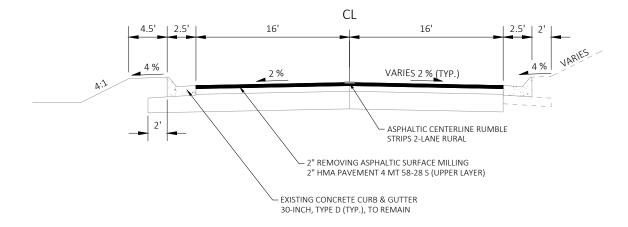






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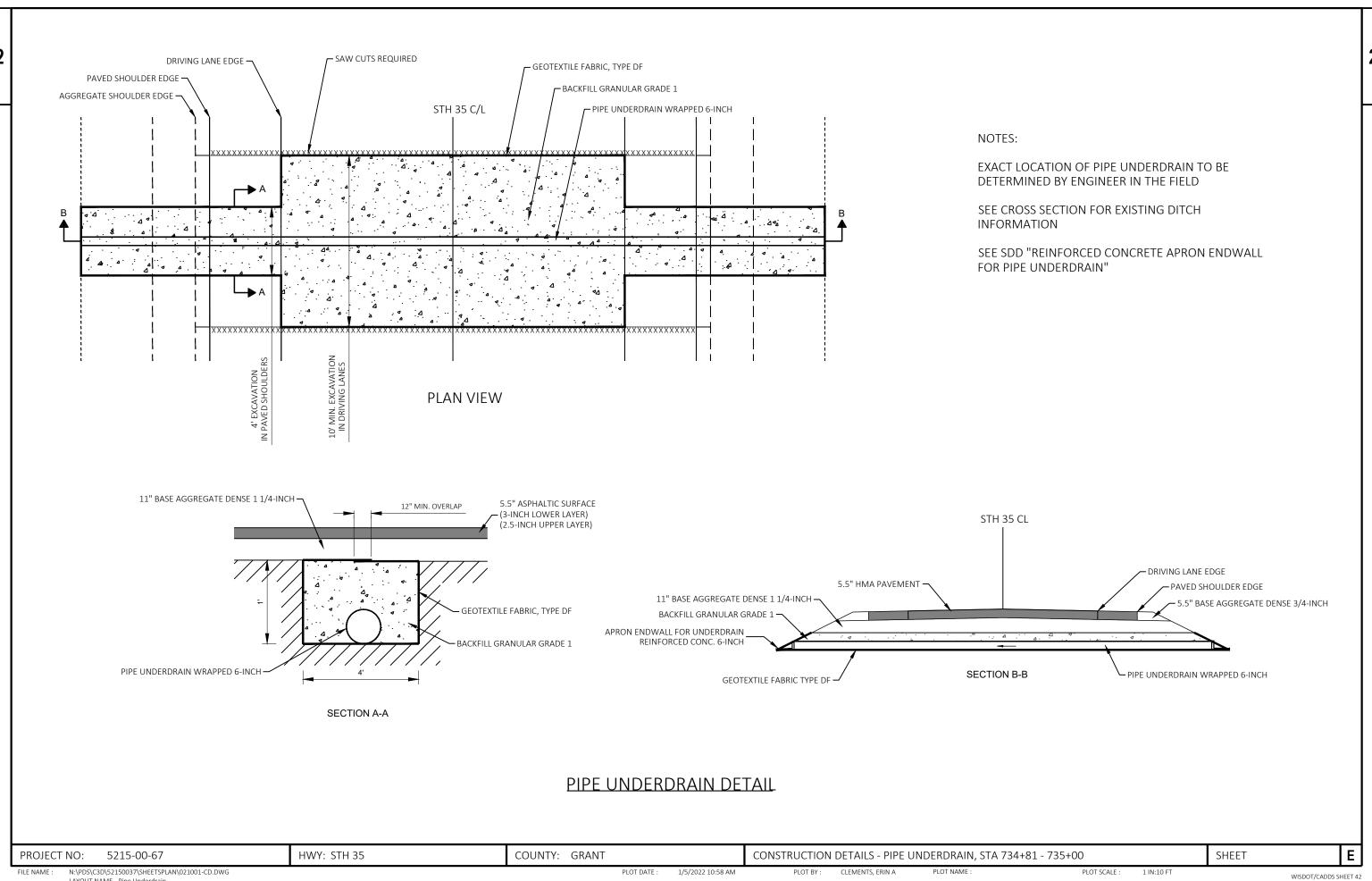
STA 749+50 - 758+50 STA 760+50 - 765+50



## FINISHED TYPICAL SECTION

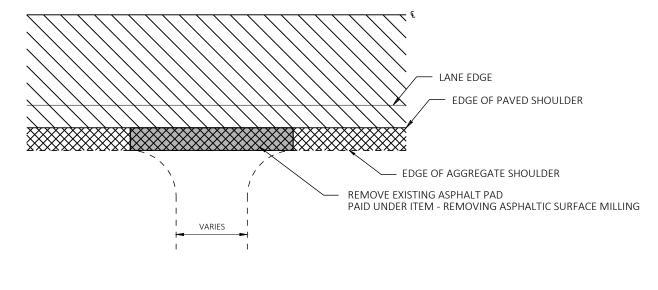
STA 775+00 - 789+35

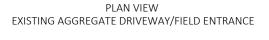
PROJECT NO: 5215-00-67	HWY: STH 35	COUNTY: GRANT		TYPICAL SECTIO					SHEET	E	
FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\020301-TS.DWG		PLOT DATE :	10/13/2021 11:24 AM	PLOT BY :	CLEMENTS, ERIN A	PLOT NAME :	PLOT SCALE :	1 IN:10 FT		WISDOT/SADDS SUFET	42

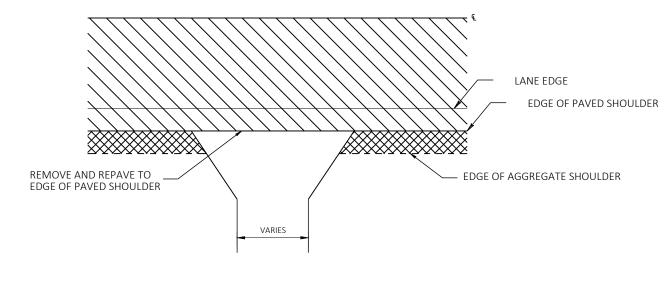


LAYOUT NAME - Pipe Underdrain

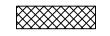








PLAN VIEW EXISTING PAVED DRIVEWAY



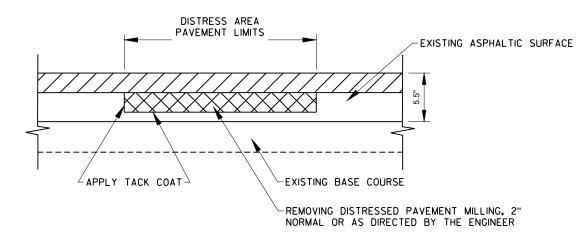
BASE AGGREGATE DENSE 3/4-INCH



EXISTING ASPHALT PAD HMA PAVEMENT 4 MT 58-28 S TO BE REMOVED

SEE NOTE IN MISC. QUANTITIES REGARDING AGGREGATE DRIVEWAY & FIELD ENTRANCE B.A.D. SIZE

RURAL DRIVEWAY DETAIL



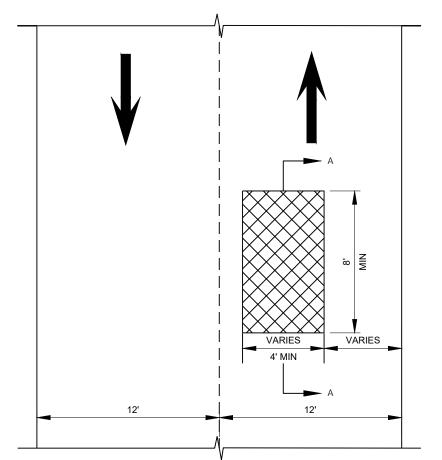
## REMOVING DISTRESSED PAVEMENT MILLING SECTION A-A



2" REMOVING ASPHALTIC SURFACE MILLING/ 2" HMA PAVEMENT OVERLAY



REMOVING DISTRESSED PAVEMENT MILLING/ ASPHALTIC SURFACE



TRAVEL DIRECTION

REMOVING DISTRESSED PAVEMENT MILLING PLAN VIEW

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

PROJECT NO: 5215-00-67 HWY: STH 35 COUNTY: GRANT

CONSTRUCTION DETAILS - DRIVEWAYS, DISTRESSED MILLING

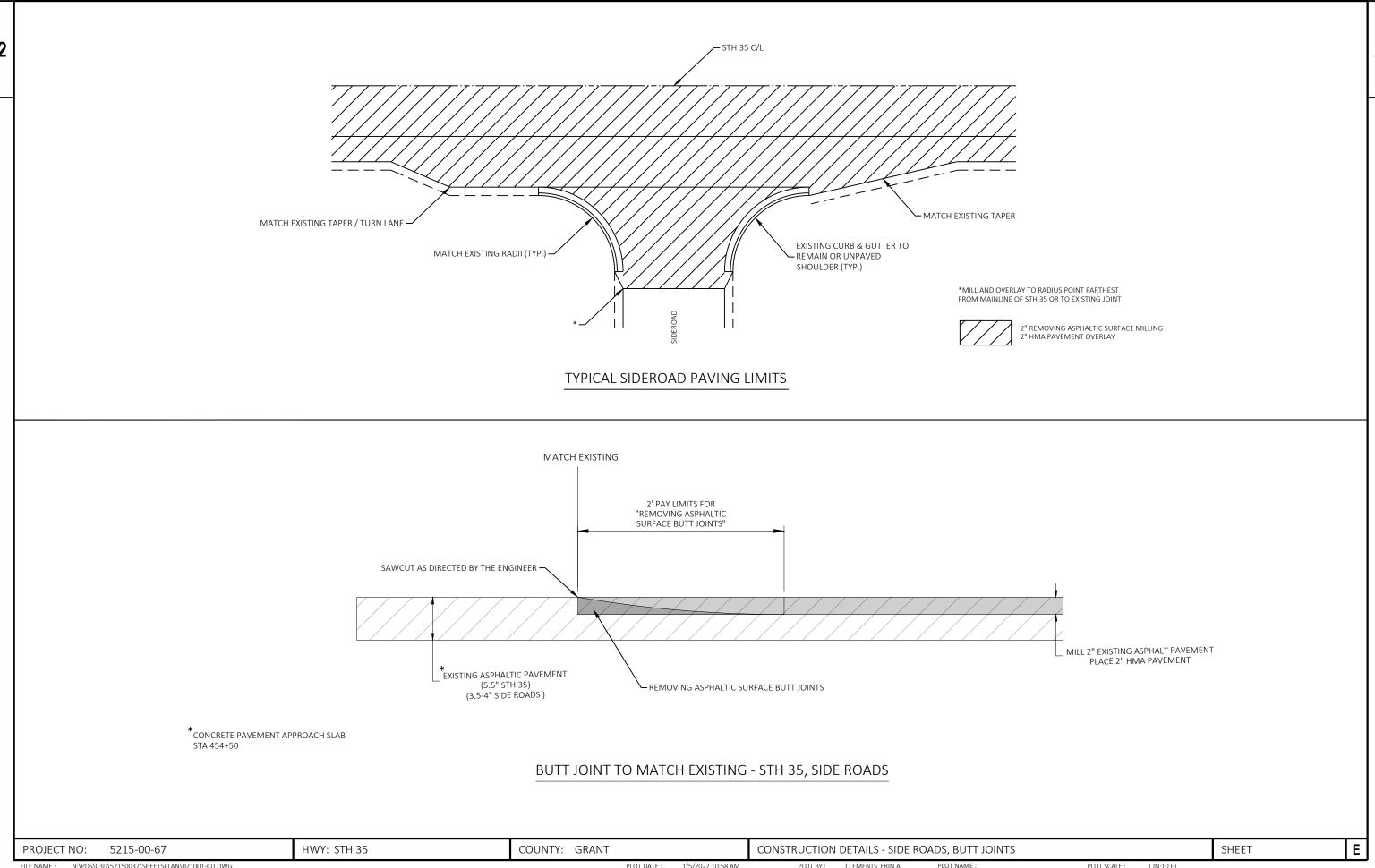
SHEET

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N:\PDS\C3D\52150037\SHEETSPLAN\021001-CD.DWG FILE NAME :

PLOT BY: CLEMENTS, ERIN A

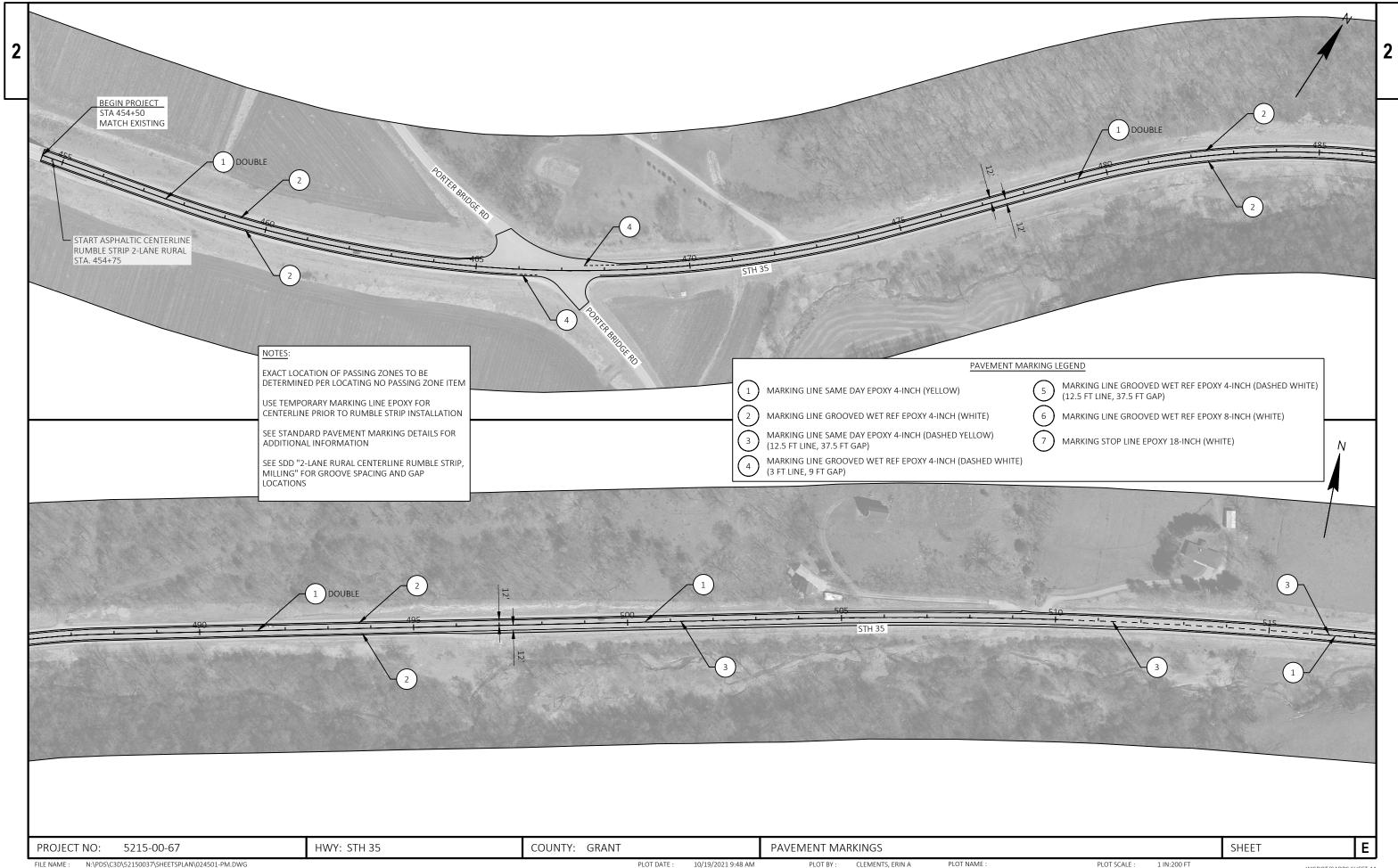
PLOT SCALE : 1 IN:10 FT



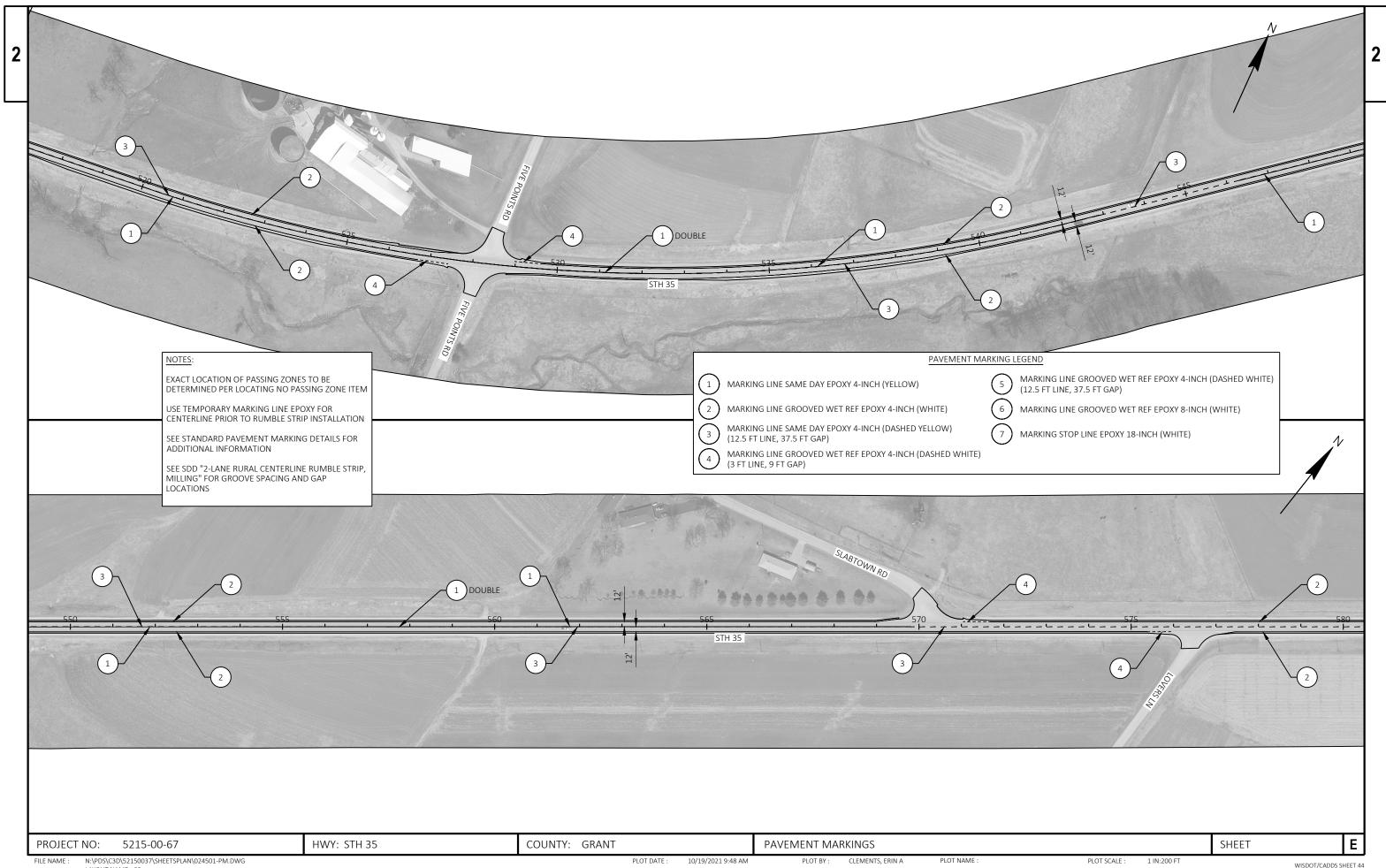
N:\PDS\C3D\52150037\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - Side Roads & Butt Joints

PLOT DATE: 1/5/2022 10:58 AM PLOT BY: CLEMENTS, ERIN A PLOT NAME: 1 IN:10 FT
LAYOUT NAME - Side Roads & Butt Joints

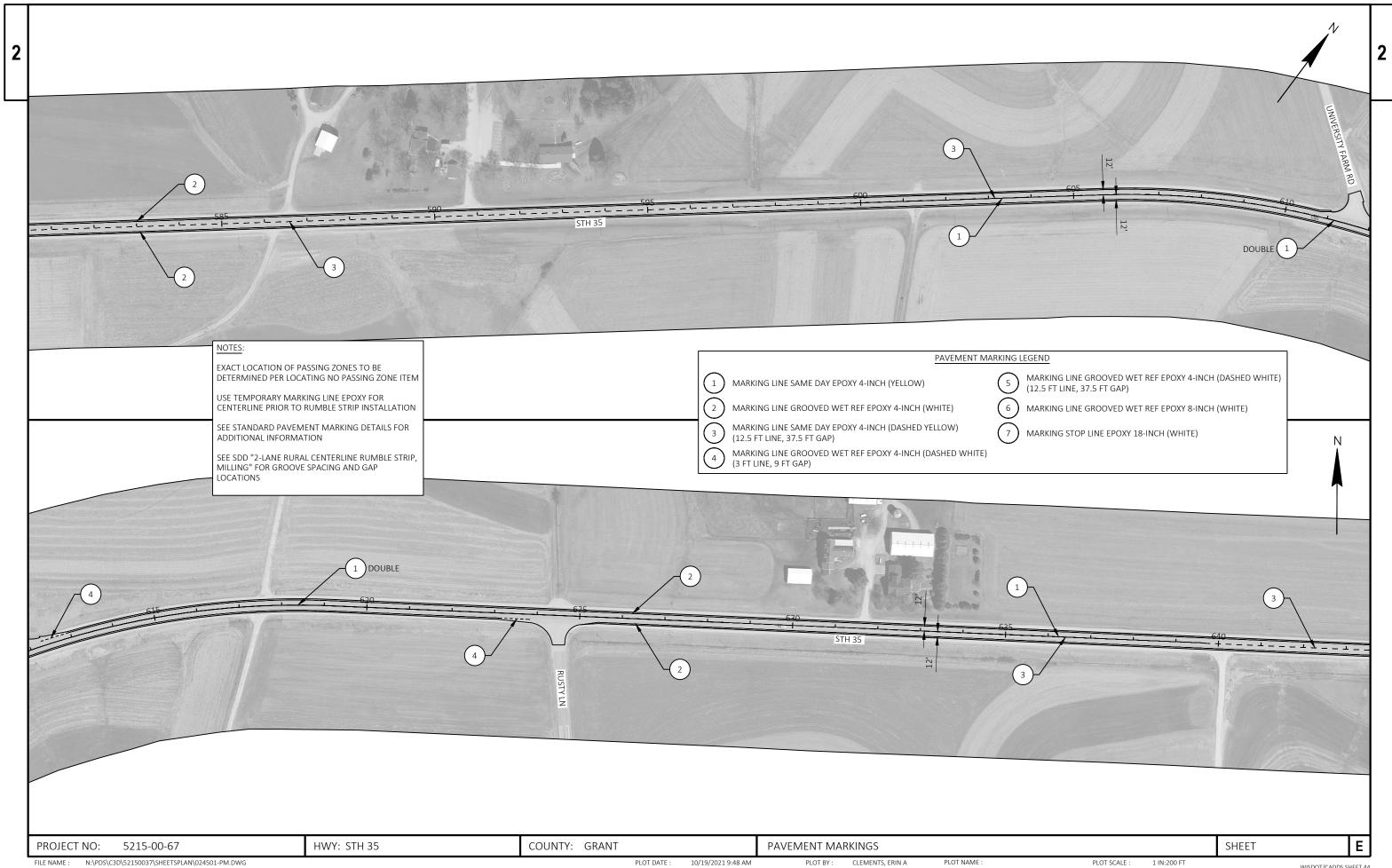
PLOT DATE: 1/5/2022 10:58 AM PLOT NAME: 1 IN:10 FT
LAYOUT NAME - Side Roads & Butt Joints



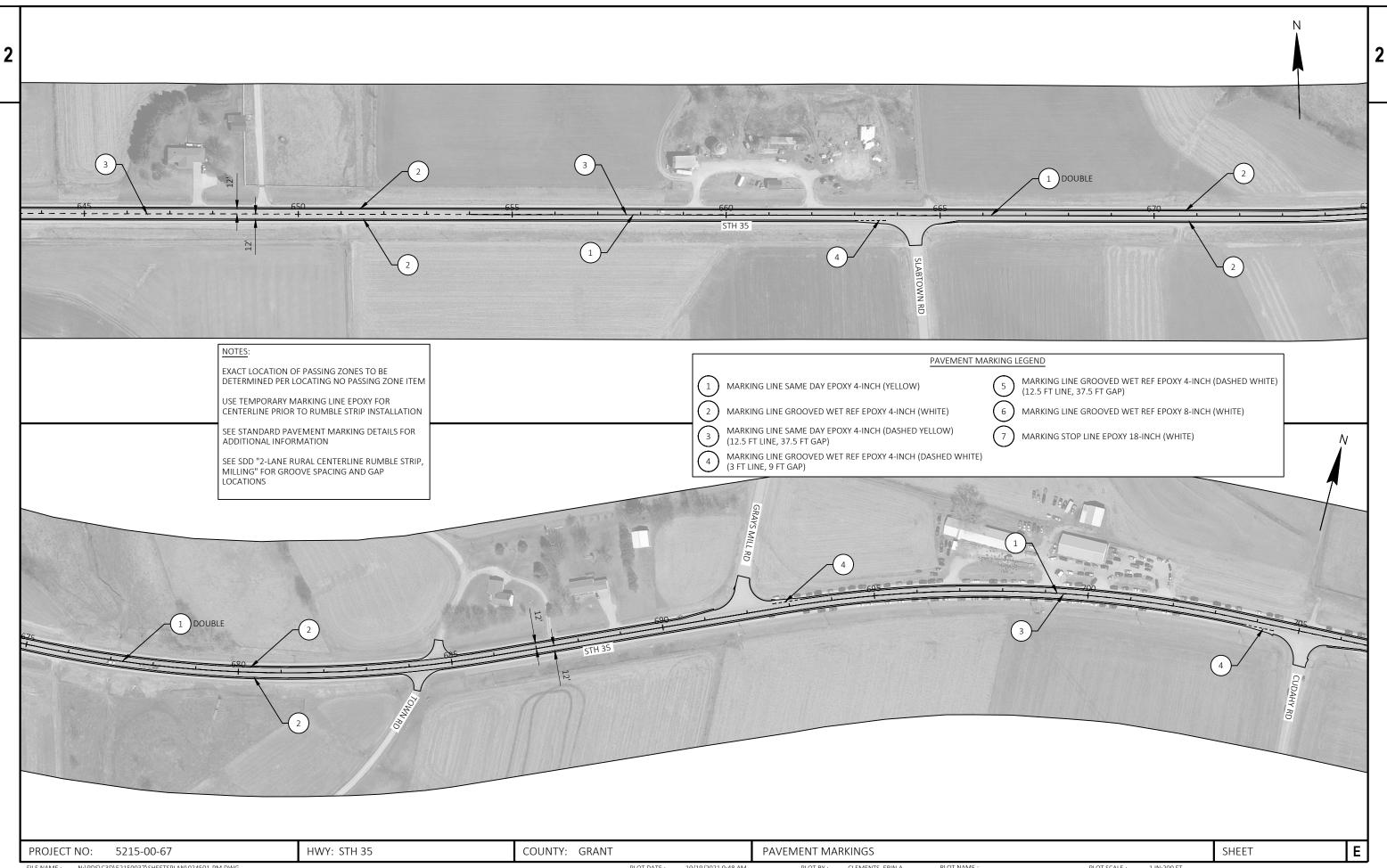
FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\024501-PM.DWG
PLOT DATE: 10/19/2021 9:48 AM
PLOT BY: CLEMENTS, ERIN A
PLOT NAME: PLOT NAME: 1 IN:200 FT
WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44 LAYOUT NAME - 02

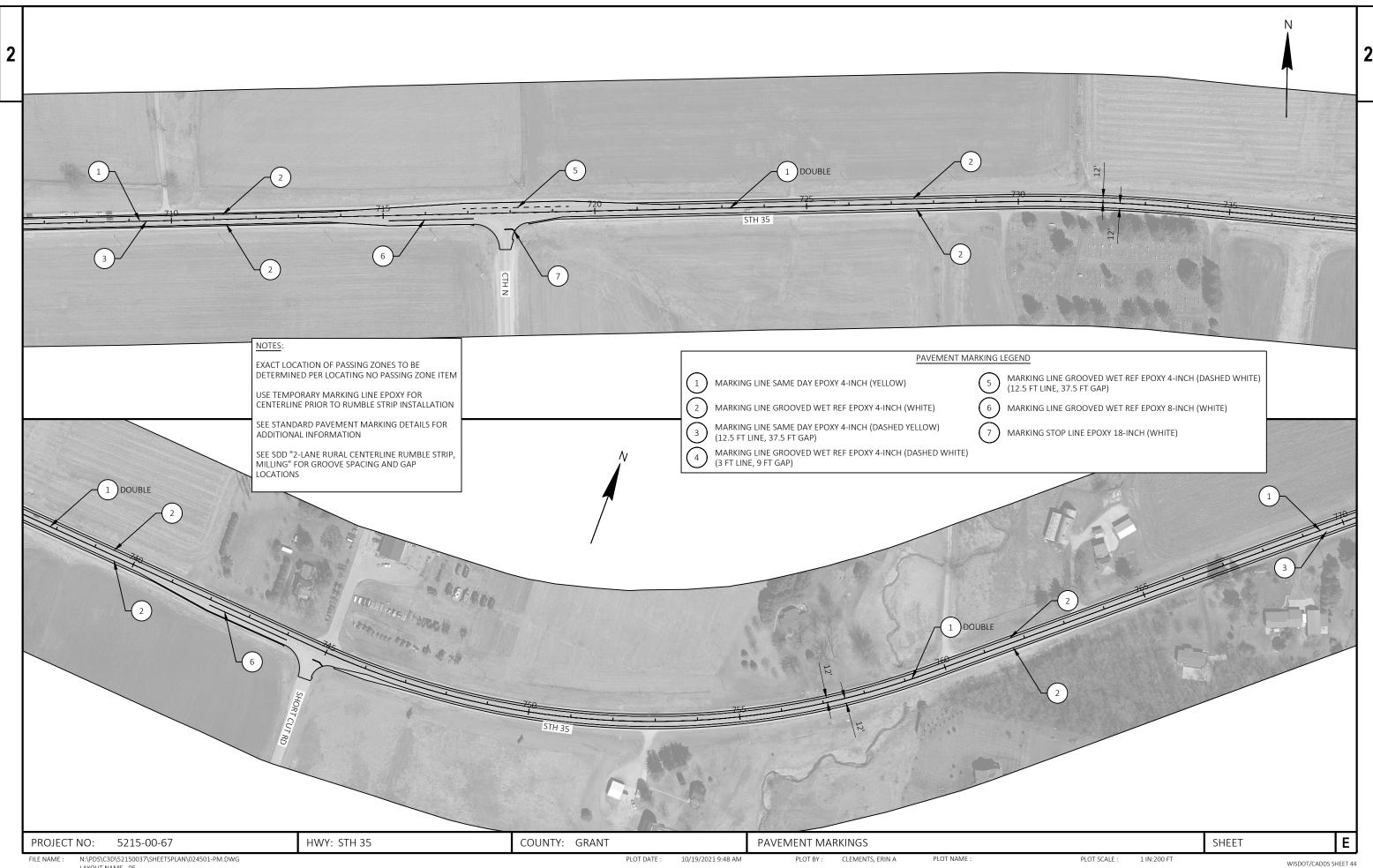


WISDOT/CADDS SHEET 44 LAYOUT NAME - 03

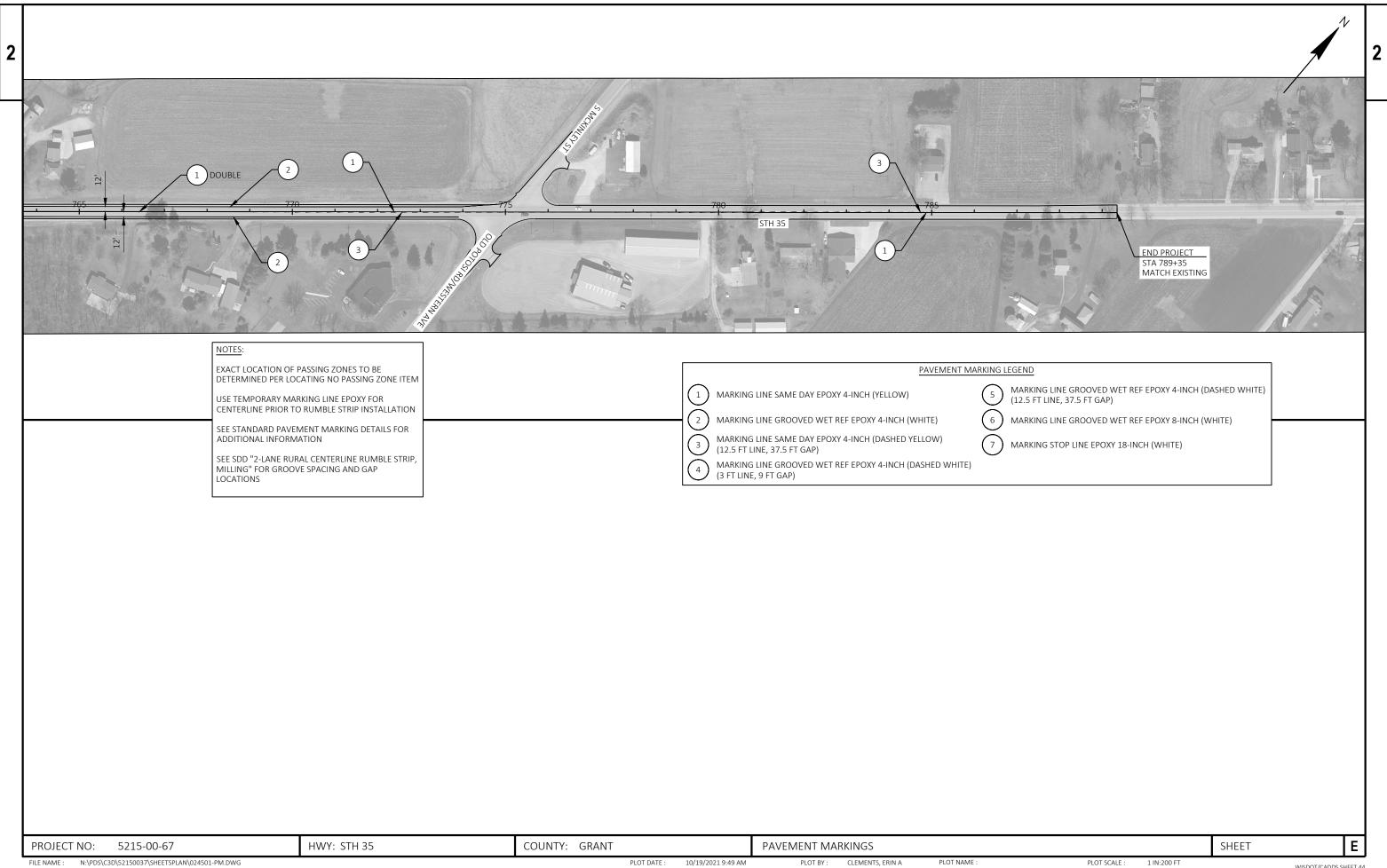


FILE NAME: N:\PDS\C3D\52150037\SHEETSPLAN\024501-PM.DWG PLOT BY: CLEMENTS, ERIN A PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 44

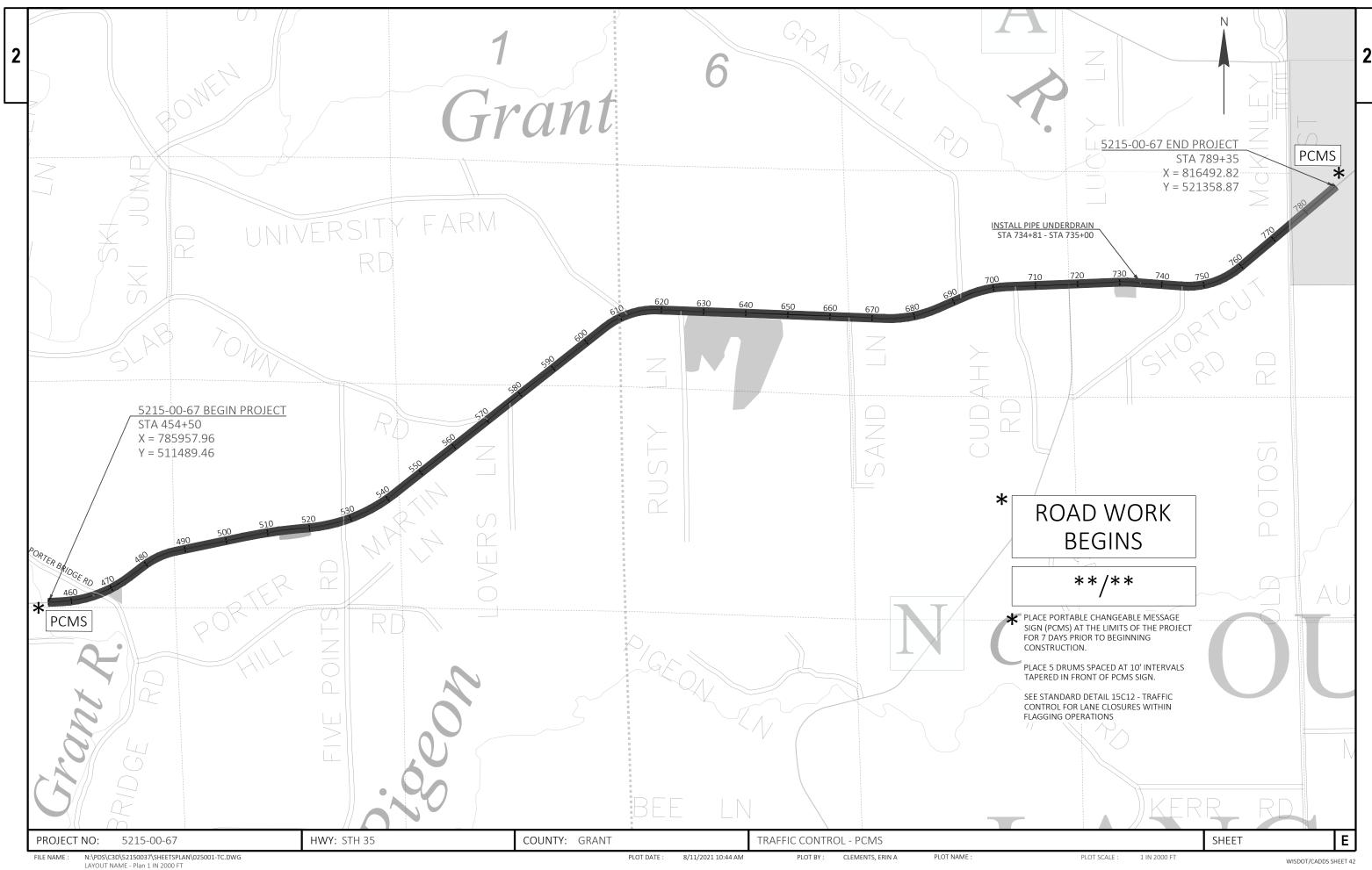
LAYOUT NAME - 04



N:\PDS\C3D\52150037\SHEETSPLAN\024501-PM.DWG PLOT DATE : 10/19/2021 9:48 AM PLOT BY: CLEMENTS, ERIN A PLOT NAME : PLOT SCALE : FILE NAME : 1 IN:200 FT LAYOUT NAME - 05



WISDOT/CADDS SHEET 44 LAYOUT NAME - 06



PLOT SCALE :

521		

					0210 00 01
Line	Item	Item Description	Unit	Total	Qty
0002	204.0115	Removing Asphaltic Surface Butt Joints	SY	117.000	117.000
0004	204.0120	Removing Asphaltic Surface Milling	SY	125,017.000	125,017.000
0006	205.0100	Excavation Common	CY	18.000	18.000
8000	209.1500	Backfill Granular Grade 1	TON	27.000	27.000
0010	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 5215-00-67	LS	1.000	1.000
0012	213.0100	Finishing Roadway (project) 01. 5215-00-67	EACH	1.000	1.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,861.000	1,861.000
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	87.000	87.000
0018	455.0605	Tack Coat	GAL	8,751.000	8,751.000
0020		HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0022		HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000
0024	460.2005	Incentive Density PWL HMA Pavement	DOL	13,987.000	13,987.000
0026	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	13,394.000	13,394.000
0028	460.2010	Incentive Air Voids HMA Pavement	DOL	10,123.000	10,123.000
0030	460.6224	HMA Pavement 4 MT 58-28 S	TON	14,002.000	14,002.000
0032	465.0105	Asphaltic Surface	TON	712.000	712.000
0034	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	25,204.000	25,204.000
0036	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	63.000	63.000
0038	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	2.000	2.000
0040	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5215-00-67	EACH	1.000	1.000
0042	619.1000	Mobilization	EACH	1.000	1.000
0044	624.0100	Water	MGAL	22.000	22.000
0046	633.5200	Markers Culvert End	EACH	2.000	2.000
0048	642.5001	Field Office Type B	EACH	1.000	1.000
0050	643.0300	Traffic Control Drums	DAY	85.000	85.000
0052	643.0900	Traffic Control Signs	DAY	1,654.000	1,654.000
0054	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0056	643.5000	Traffic Control	EACH	1.000	1.000
0058	645.0111	Geotextile Type DF Schedule A	SY	43.000	43.000
0060	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	39,140.000	39,140.000
0062	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	400.000	400.000
0064	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	23,044.000	23,044.000
0066	646.6120	Marking Stop Line Epoxy 18-Inch	LF	55.000	55.000
0068	648.0100	Locating No-Passing Zones	MI	6.350	6.350
0070	649.0105	Temporary Marking Line Paint 4-Inch	LF	23,044.000	23,044.000
0072	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	23,044.000	23,044.000
0074	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0076	650.8000	Construction Staking Resurfacing Reference	LF	33,485.000	33,485.000
0078	650.9910	Construction Staking Supplemental Control (project) 01. 5215-00-67	LS	1.000	1.000
0080	690.0150	Sawing Asphalt	LF	72.000	72.000
0082	740.0440	Incentive IRI Ride	DOL	25,367.000	25,367.000
0084	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0086	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0088	SPV.0060	Special 01. Verify Landmark Reference Monuments	EACH	3.000	3.000
0090	SPV.0060	Special 02. Landmark Reference Monuments Special	EACH	1.000	1.000
0092	SPV.0180	Special 01. Removing Distressed Pavement Milling	SY	6,251.000	6,251.000
0002	01 4.0100	opesia. The morning blockessed i avernorit willing	01	0,201.000	0,201.000

ASPHALT ITEMS

CATEGORY	STATION	ТО	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	* 465.0105  ASPHALTIC SURFACE TON	465.0475 ASPHALT CENTERLINE RUMBLE STRIPS 2- LANE RURAL LF	SPV.0180.01 REMOVING DISTRESSED PAVEMENT MILLING SY	REMARKS
0010	454+50	_		PROJECT START	7	_	_	=		_	_	MAINLINE
	454+50	_	773+90	RT/LT	-	125,017	8,751	14,002	-	_	-	
	454+75	_	464+00	CL	-	- -	=	, -	-	925	-	
	465+52	-		RT	7	-	-	-	-	-	-	PORTER BRIDGE RD
	467+59	_		LT	9	-	-	-	-	-	-	PORTER BRIDGE RD
	469+00	-	526+26	CL	-	-	=	-	-	5,726	-	
	528+01	_		RT	7	=	=	=	=	=	=	FIVE POINTS RD
	528+53	-		LT	7	-	-	-	-	-	-	FIVE POINTS RD
	530+25	_	568+34	CL	-	-	-	-	-	3,809	-	
	569+96	_		LT	7	=	=	=	=	- -	=	SLAB TOWN RD
	572+33	-	574+56	CL	-	-	-	-	_	223	-	
	576+38	-		RT	9	-	-	-	-	-	-	LOVERS LN
	578+55	_	589+86	CL	=	=	-	=	=	1,131	=	
	591+86	-	609+65	CL	-	-	-	-	-	1,779	-	
	611+45	-		LT	7	-	-	-	-	=	-	UNIVERSITY FARM RD
	613+66	-	622+49	CL	_	_	_	_	_	883	_	
	624+52	-		LT	6	-	-	-	-	-	-	RUSTY LN
	626+49	-	662+39	CL	_	-	-	-	-	3,590	-	
	664+43	-		RT	6	-	-	-	-	-	-	SAND LN
	666+39	-	682+21	CL	-	-	-	-	-	1,582	-	
	684+12	-		RT	4	=	-	_	_	=	-	TOWN RD
	684+76	-		LT	4	-	-	-	-	-	-	TOWN RD
	686+72	-	689+75	CL	-	-	-	-	-	303	-	
	692+06	-		LT	7	-	-	-	-	-	-	GRAYS MILL RD
	693+75	-	695+82	CL	-	-	-	-	-	207	-	
	705+17	-		RT	7	_	_	_	_	<del>-</del>	_	CUDAHY RD
	707+17	-	715+90	CL	-	-	-	-	-	873	-	
	717+86	-		RT	6	-	-	-	-	-	-	CTH N
	719+90	-	728+67	CL	-	-	-	-	-	877	-	
	735+58	-	742+71	CL	-	-	-	-	-	713	-	NO RUMBLES AT CEMETERY
	744+78	-		RT	7	_	-	-	-	-	-	SHORT CUT RD
	746+71	-	772+54	CL	-	-	-	-	-	2,583	-	
	773+91	-		RT	5	-	-	-	-	-	-	WESTERN AVE
	776+64	-		LT	5	-	=	-	-	=	-	S MCKINLEY ST
	789+35	-		PROJECT END	7	_	-	-	-	-	-	MAINLINE
	UNDIS	STRIBL	JTED		-	-	-		700	_	6,251	DISTRESSED PVMNT MILLING
				TOTAL 0010	117	125,017	8,751	14,002	700	25,204	6,251	

<sup>\*</sup> ADDITIONAL ASPHALTIC SURFACE QUANTITY LISTED ELSEWHERE

HWY: STH 35 COUNTY: GRANT Ε SHEET PROJECT NO: 5215-00-67 MISCELLANEOUS QUANTITIES PLOT DATE : 1/5/2022 11:20 AM

FILE NAME : N:\PDS\C3D\52150037\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 01

PLOT BY: CLEMENTS, ERIN A

PLOT NAME :

PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

305.0120

CATEGORY	STATION <sup>-</sup>	то	STATION	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	REMARKS
0010	454+50	-	465+38	LT	44	-	
	454+50	-	467+39	RT	52	-	
	465+80	-	503+92	LT	149	-	
	467+63	-	527+42	RT	249	-	
	472+23	-		LT	_	4	DWY
	486+80	-		LT	-	4	FE
	509+27	-	526+21	LT	65	-	
	528+81	-	576+17	RT	187	-	
	529+14	-	569+52	LT	155	-	
	547+69	-		RT	_	2	FE
	552+14	-		LT	-	2	FE
	559+76	-		RT	-	2	FE
	559+80	-		LT	-	2	FE
	571+04	-	611+04	LT	156	=	
	576+59	-	624+38	RT	186	-	
	586+16	-		RT	-	3	FE
	586+55	-		LT	=	3	DWY
	590+84	-		LT	-	3	DWY
	601+35	-		LT	-	3	FE
	612+29	-	691+24	LT	307	-	
	617+45	-		RT	_	3	DWY
	617+63	-		LT	-	3	DWY
	624+48	-		LT	-	3	FE
	624+67	-	664+28	RT	156	-	
	640+11	-		RT	-	5	DWY
	649+15	-	***************************************	LT	=	3	DWY
	651+07	-		RT	-	2	FE
	659+28	-		LT	-	3	DWY
	661+98	-		LT	-	3	DWY
	664+57	-	704+42	RT	156	-	
	664+76	-		LT	-	3	FE
	670+61	-		RT	-	2	FE
	675+73	-		RT	-	2	FE
	676+27	_		LT	-	2	FE

					305.0110 BASE AGGREGATE DENSE 3/4- INCH	305.0120 BASE AGGREGATE DENSE 1 1/4- INCH	
CATEGORY	STATION	TO	STATION	LOCATION	TON	TON	REMARKS
0010	688+88	-		LT	-	3	DWY
	692+61	-	776+46	LT	182	-	
	696+82	-		LT	-	3	DWY
	699+11	-		LT	-	4	DWY
	700+29	-		LT	-	3	DWY
	701+74	-		LT	-	4	DWY
	705+27	-		LT	-	1	FE
	705+72	-	717+13	RT	44	-	
	709+89	-		LT	-	3	DWY
	718+44	-	744+03	RT	35	-	
	724+67	-		LT	-	1	FE
	724+72	-		RT	-	1	FE
	731+53	-		LT	-	1	FE
	745+31	-	774+46	RT	42	-	
	752+86	-		RT	-	1	DWY
	760+13	_		LT	-	1	DWY
				TOTAL 0010	1,861	63	

<sup>\*</sup> ADDITIONAL B.A.D 1 1/4 QUANTITY LISTED ELSEWHERE

HWY: STH 35 COUNTY: GRANT Ε SHEET PROJECT NO: 5215-00-67 MISCELLANEOUS QUANTITIES

FILE NAME : N:\PDS\C3D\52150037\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 02

PLOT DATE : 1/5/2022 11:20 AM

PLOT BY: CLEMENTS, ERIN A

PLOT NAME :

PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

WISDOT/CADDS SHEET 42

## **ROADWAY ITEMS**

				211.0100.01	213.0100.01	618.0100.01		
				PREPARE FOUNDATION FOR ASPHALTIC	FINISHING ROADWAY	MAINTENANCE AND REPAIR OF HAUL ROADS		
CATEGORY	STATION TO	STATION	LOCATION	PAVING (PROJECT) LS	(PROJECT) EACH	(PROJECT) EACH	REMARKS	
CATEGORI	317(11014-10	317111011	EGG/MIGIV		Ericii	EACH	TIEIVII TITIS	_
0010	454+50 -	789+35	PROJECT	1	1	1		
			TOTAL 0010	1	1	1		_

<u>STAKING</u>

					650.6000	650.8000	650.9910.01 CONSTRUCTION	
					CONSTRUCTION	CONSTRUCTION STAKING	STAKING SUPPLEMENTAL	
					STAKING PIPE CULVERTS	RESURFACING REFERENCE	CONTROL (PROJECT)	
CATEGORY	STATION	то	STATION	LOCATION	EACH	LF	LS	REMARKS
0010	454.50		700 : 25	DT 0 1T		22.405	4	
0010	454+50 734+81	-	789+35 735+00	RT & LT RT & LT	1	33,485 -	1 -	
				TOTAL 0010	1	33,485	1	

<u>WATER</u> FIELD OFFICE

			642.5001	
			FIELD OFFICE TYPE	
			В	
CATEGORY	STATION TO STATION	LOCATION	EACH	REMARKS
0010	PROJECT	5215-00-67	1	
		TOTAL 0010	1	

			624.0100 WATER	
CATEGORY	STATION TO STATION	LOCATION	MGAL	REMARKS
0010	PROJECT	5215-00-67	22	
		TOTAL 0010	22	

HWY: STH 35 COUNTY: GRANT SHEET Ε PROJECT NO: 5215-00-67 MISCELLANEOUS QUANTITIES FILE NAME : N:\PD\$\C3D\\$2150037\\$HEET\$PLAN\030201-MQ.DWG LAYOUT NAME - 03 PLOT BY: CLEMENTS, ERIN A PLOT DATE : 1/5/2022 11:20 AM PLOT NAME : PLOT SCALE : 1" = 1'

## TRAFFIC CONTROL

								*				
						643.0300 DRUMS		643.0900 643.1050 SIGNS SIGNS PCMS			643.5000 TRAFFIC CONTROL	
CATEGORY	STATION	ТО	STATION	LOCATION	EACH	DAY	EACH	DAY	EACH	DAY	EACH	REMARKS
0010	454+50	_	789+35	PROJECT START/END	10	70	-	-	2	14	-	PRE-CONSTRUCTION
	454+50	-	789+35	PROJECT	-	-	25	1650	-	-	1	PROJECT DURATION
	734+81	-	735+00	LT/RT	15	15	4	4	-	-	-	PIPE UNDERDRAIN
				TOTAL 0010		85		1,654		14	1	

<sup>\*</sup> SEE SDD "Traffic Control, Advance Warning Signs 45 MPH or Greater Undivided Road Open to Traffic"

24

27

## PIPE UNDERDRAIN

			205.0100	209.1500	305.0120	465.0105	612.0406	612.0806	633.5200	645.0111	690.0150	
CATEGORY	STATION TO STATION	LOCATION	EXCAVATION COMMON CY	BACKFILL GRANULAR GRADE 1 TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	ASPHALTIC SURFACE TON	PIPE UNDERDRAIN WRAPPED 6-INCH LF	APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	MARKERS CULVERT END EACH	GEOTEXTILE TYPE DF SCHEDULE A SY	SAWING ASPHALT LF	REMARKS
0010	734+81 - 735+00 734+81 - 735+00 734+81 - 735+00		6 12 -	- - 27	- - 24	- - 12	- - 63	- - 2	- - 2	- - 43	72 - -	PAVEMENT REMOVAL SUBBASE REMOVAL INSTALLATION

12

63

72

TOTAL 0010

#### **MONUMENTS**

				TOTAL 0010	3	1	
	718+33	-		0.5' LT	1	1	CTH N SECTION CORNER
	571+49	-		56.3' RT	1	-	NJ0965
0010	457+64	-		44.3' RT	1	-	DH513
CATEGORY	STATION	TO	STATION	LOCATION	EACH	EACH	REMARKS
					MONUMENTS	SPECIAL	
					REFERENCE	MONUMENTS	
					LANDMARK	REFERENCE	
					VERIFY	LANDMARK	
					SPV.0060.01	SPV.0060.02	

COUNTY: GRANT HWY: STH 35 Ε PROJECT NO: 5215-00-67 SHEET MISCELLANEOUS QUANTITIES N:\PDS\C3D\52150037\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 04 FILE NAME : PLOT DATE : 1/5/2022 11:20 AM PLOT BY: CLEMENTS, ERIN A PLOT NAME : PLOT SCALE : 1" = 1' WISDOT/CADDS SHEET 42

<sup>\*</sup> ADDITIONAL B.A.D 1 1/4 QUANTITY LISTED ELSEWHERE

WISDOT/CADDS SHEET 42

## PAVEMENT MARKINGS

								*	**	
			646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH WHITE	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH WHITE	646.4520 MARKING LINE SAME DAY EPOXY 4-INCH YELLOW	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE	648.0100  LOCATING NO- PASSING ZONES YELLOW	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH YELLOW	
CATEGORY	STATION TO STATION	LOCATION	LF	LF	LF	LF	MI	LF	LF	REMARKS
0,11,2,0,11,	31111311	200,								
0010	454+50 - 465+10	LT	1,060	-	=	-	_	-	-	EDGELINE
	454+50 - 466+02	RT	1,152	-	-	-	-	-	-	EDGELINE
	454+50 - 499+93	CL	-	-	9,086	-	-	9,086	9,086	DOUBLE YELLOW
	454+50 - 789+35	CL	-	-	-	-	6.35	-	-	
	466+02 - 466+43	RT	10	-	-	-	-	-	-	DASHED
	467+53 - 468+36	LT	21	-	-	-	-	-	-	DASHED
	467+89 - 526+68	RT	5,879	-	-	-	-	-	-	EDGELINE
	468+36 - 527+68	LT	5,932	-	-	-	-	-	-	EDGELINE
	499+93 - 510+34	CL	-	-	1,301	-	-	1,301	1,301	EB PASSING ONLY
	510+34 - 516+13	CL	-	-	145	-	-	145	145	PASSING
	516+13 - 526+77	CL	-	-	1,329	-	-	1,329	1,329	WB PASSING ONLY
	526+68 - 527+43	RT	19	-	-	-	-	-	-	DASHED
	526+77 - 532+77	CL	-	-	1,201	-	-	1,201	1,201	DOUBLE YELLOW
	528+81 - 575+38	RT	4,658	-	-	-	-	-	-	EDGELINE
	529+14 - 529+64	LT	12	-	-	-	-	-	-	DASHED
	529+64 - 569+52	LT	3,988	=	=	=	=	=	=	EDGELINE
	532+77 - 542+90	CL	-	-	1,266	-	-	1,266	1,266	EB PASSING ONLY
	542+90 - 546+32	CL	=	=	86	-	=	86	86	PASSING
	546+32 - 557+45	CL	=	=	1,391	-	=	1,391	1,391	WB PASSING ONLY
	557+45 - 558+45	CL	-	-	200	-	-	200	200	DOUBLE YELLOW
	558+45 - 569+82	CL	-	-	1,421	-	-	1,421	1,421	EB PASSING ONLY
	569+82 - 599+84	CL	-	-	751	-	-	751	751	PASSING
	571+04 - 571+68	LT	16	-	-	-	-	-	-	DASHED
	571+68 - 611+04	LT	3,936	=	=	-	=	=	=	EDGELINE
	575+38 - 575+93	RT	14	=	-	-	=	-	=	DASHED
	577+08 - 623+08	RT	4,600	-	-	-	-	-	-	EDGELINE
	599+84 - 611+04	CL	=	=	1,400	-	=	1,400	1,400	WB PASSING ONLY
	611+04 - 628+38	CL	-	-	3,468	-	-	3,468	3,468	DOUBLE YELLOW
	612+29 - 612+96	LT	17	-	-	-	-	-	-	DASHED
	612+96 - 691+24	LT	7,828	=	=	-	=	=	=	EDGELINE

QUANTITIES CONTINUED ON NEXT PAGE

HWY: STH 35 COUNTY: GRANT SHEET Ε PROJECT NO: 5215-00-67 MISCELLANEOUS QUANTITIES FILE NAME : N:\PD\$\C3D\\$2150037\\$HEET\$PLAN\030201-MQ.DWG LAYOUT NAME - 05 PLOT BY: CLEMENTS, ERIN A PLOT DATE : 1/5/2022 11:20 AM PLOT NAME : PLOT SCALE : 1" = 1'

## PAVEMENT MARKINGS

								*	**	
			646.1040	646.3040	646.4520	646.6120	648.0100	649.0105	649.0120	
			MARKING LINE	MARKING LINE	MARKING LINE	MARKING STOP		TEMPORARY	TEMPORARY	
			GROOVED WET	GROOVED WET	SAME DAY EPOXY	LINE EPOXY 18-	LOCATING NO-	MARKING LINE	MARKING LINE	
			REF EPOXY 4-INCH	REF EPOXY 8-INCH	4-INCH	INCH	PASSING ZONES	PAINT 4-INCH	EPOXY 4-INCH	
			WHITE	WHITE	YELLOW	WHITE	YELLOW	YELLOW	YELLOW	
CATEGORY	STATION TO STATION	LOCATION	LF	LF	LF	LF	MI	LF	LF	REMARKS
0010	623+08 - 623+83	RT	19		_				_	DASHED
0010	625+04 - 663+01	RT	3,797	-	-	-		_	_	EDGELINE
	628+38 - 639+69	CL	-,	-	1,414	-		1,414	1,414	EB PASSING ONLY
	639+69 - 654+04	CL	_	-	359	-		359	359	PASSING
	654+04 - 665+20	CL	-	-	1.395	-		1,395	1,395	WB PASSING ONLY
	663+01 - 663+73	RT	18	_	_	_				DASHED
	664+94 - 703+67	RT	3,874	=	-	=		=	=	EDGELINE
	665+20 - 698+10	CL	· -	=	6,580	=		6,580	6,580	DOUBLE YELLOW
	692+61 - 693+36	LT	19	-	-	-		-	-	DASHED
	693+36 - 774+80	LT	8,144	-	-	-		-	-	EDGELINE
	698+10 - 720+94	CL	_	_	2,855	-		2,855	2,855	EB PASSING ONLY
	703+67 - 704+42	RT	19	-	-	-		-	-	DASHED
	705+72 - 717+13	RT	1,141	-	-	-		-	-	EDGELINE
	715+13 - 717+13	RT	-	200	-	25		-	-	TURN LANE - CTH N
	716+88 - 719+38	LT	63	-	-	-		-	-	BYPASS LANE - DASHED
	718+44 - 744+03	RT	2,560	-	-	-		-	-	EDGELINE
	720+94 - 769+08	CL	-	-	9,628	-		9,628	9,628	DOUBLE YELLOW
	742+03 - 744+03	RT	-	200	-	30		-	-	TURN LANE - SHORTCUT RD
	745+31 - 773+90	RT	2,859	=	=	=		=	=	EDGELINE
	769+08 - 780+67	CL	-	=	1,448	=		1,448	1,448	EB PASSING ONLY
	780+67 - 789+35	CL	-	-	1,085	-		1,085	1,085	WB PASSING ONLY
		TOTAL 0010	39,140	400	23,044	55	6.35	23,044	23,044	

QUANTITIES CONTINUED FROM PREVIOUS PAGE

<sup>\*</sup> TO BE USED ON MILLED SURFACE BEFORE PLACEMENT OF HMA FINAL SURFACE OR AS DIRECTED BY THE FIELD ENGINEER

<sup>\*\*</sup> TO BE USED ON HMA FINAL SURFACE BEFORE PLACEMENT OF CENTERLINE RUMBLE STRIPS OR AS DIRECTED BY THE FIELD ENGINEER

3

3

**INCENTIVES** 

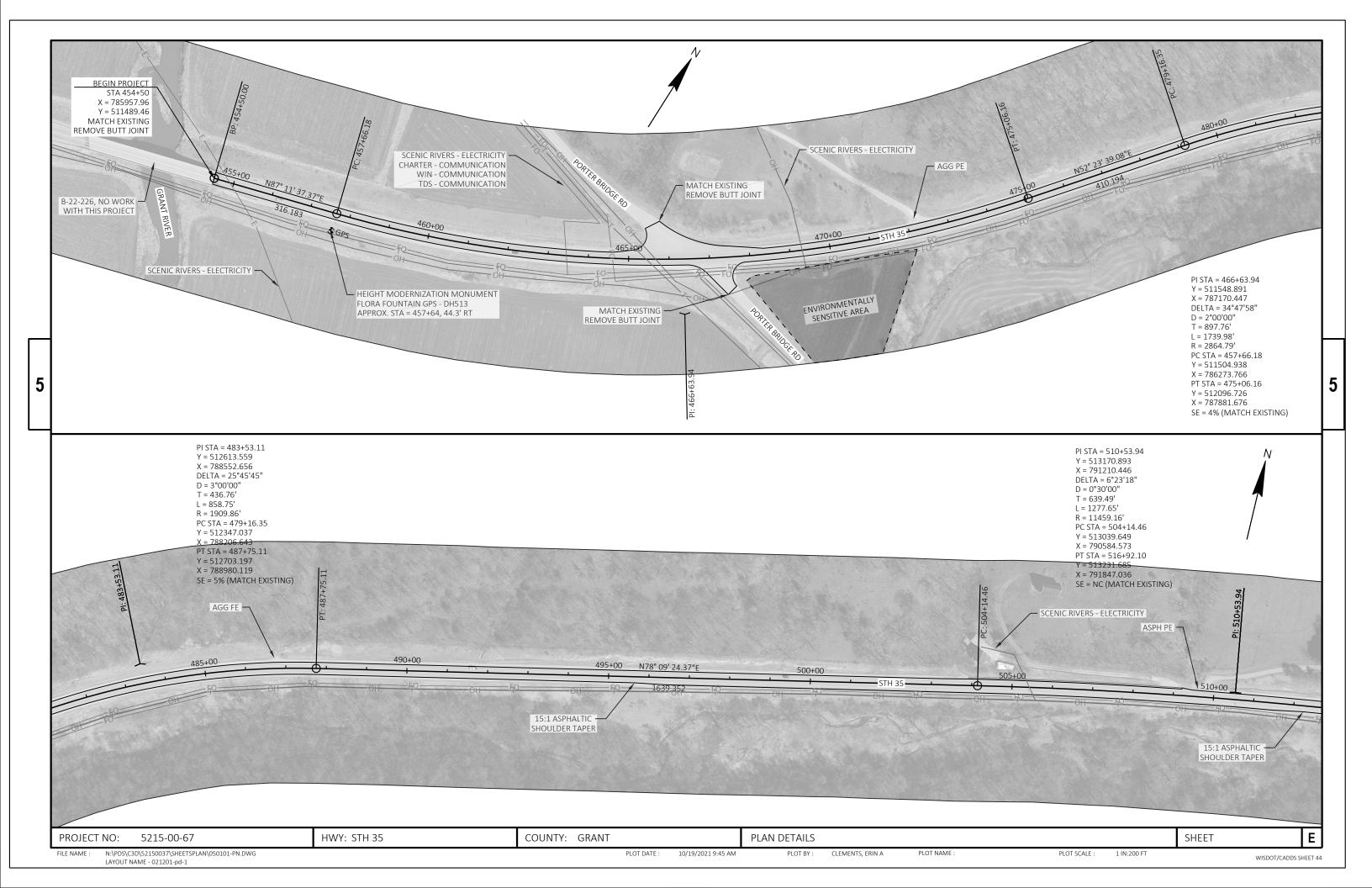
					460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY	
CATEGORY	STATION	ТО	STATION	LOCATION	EACH	EACH	REMARKS
0010	454+50	-	789+35		1	1	
				TOTAL 0010	1	1	

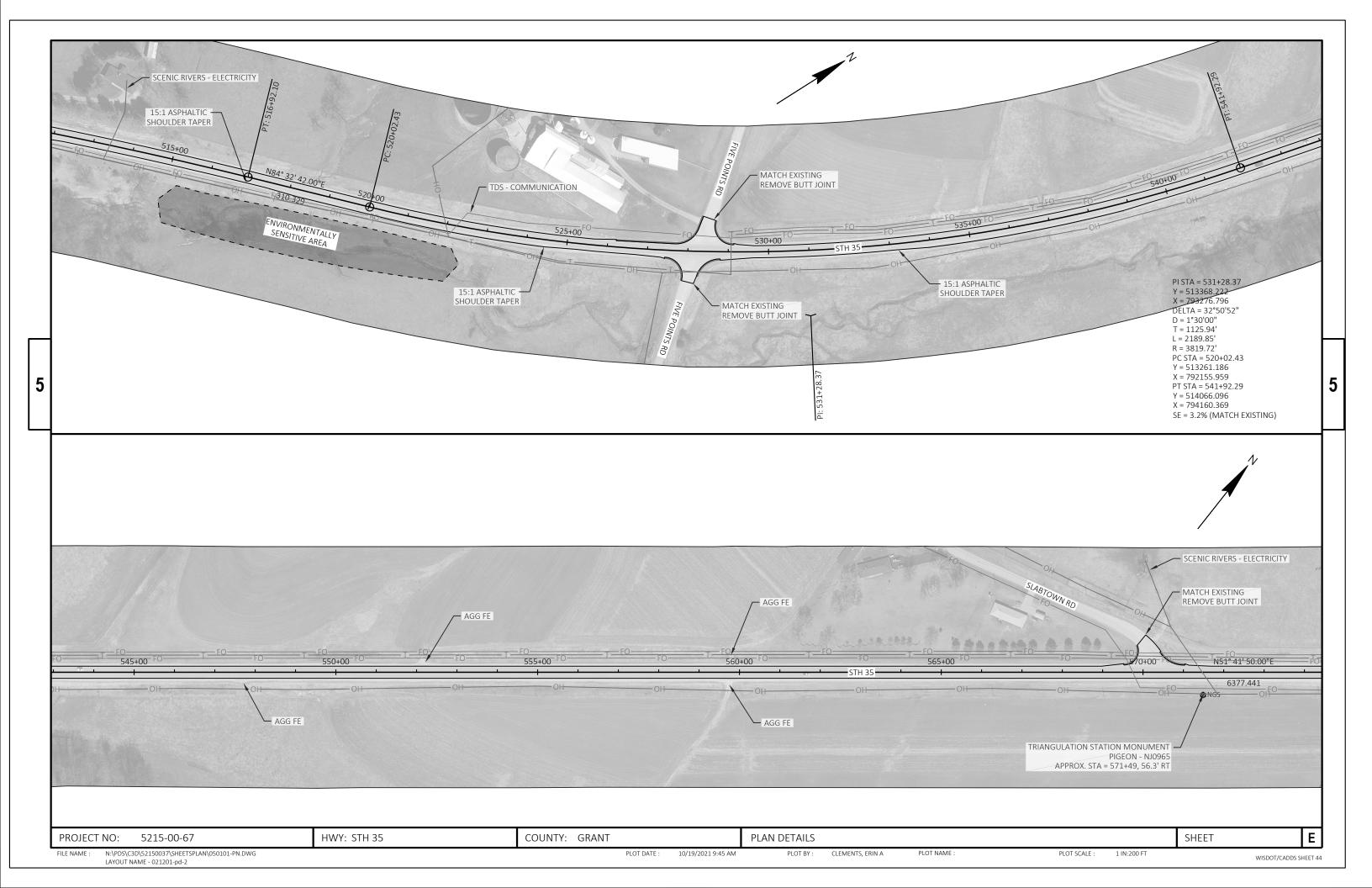
## 5215-00-67 PWL MIXTURE USE TABLE

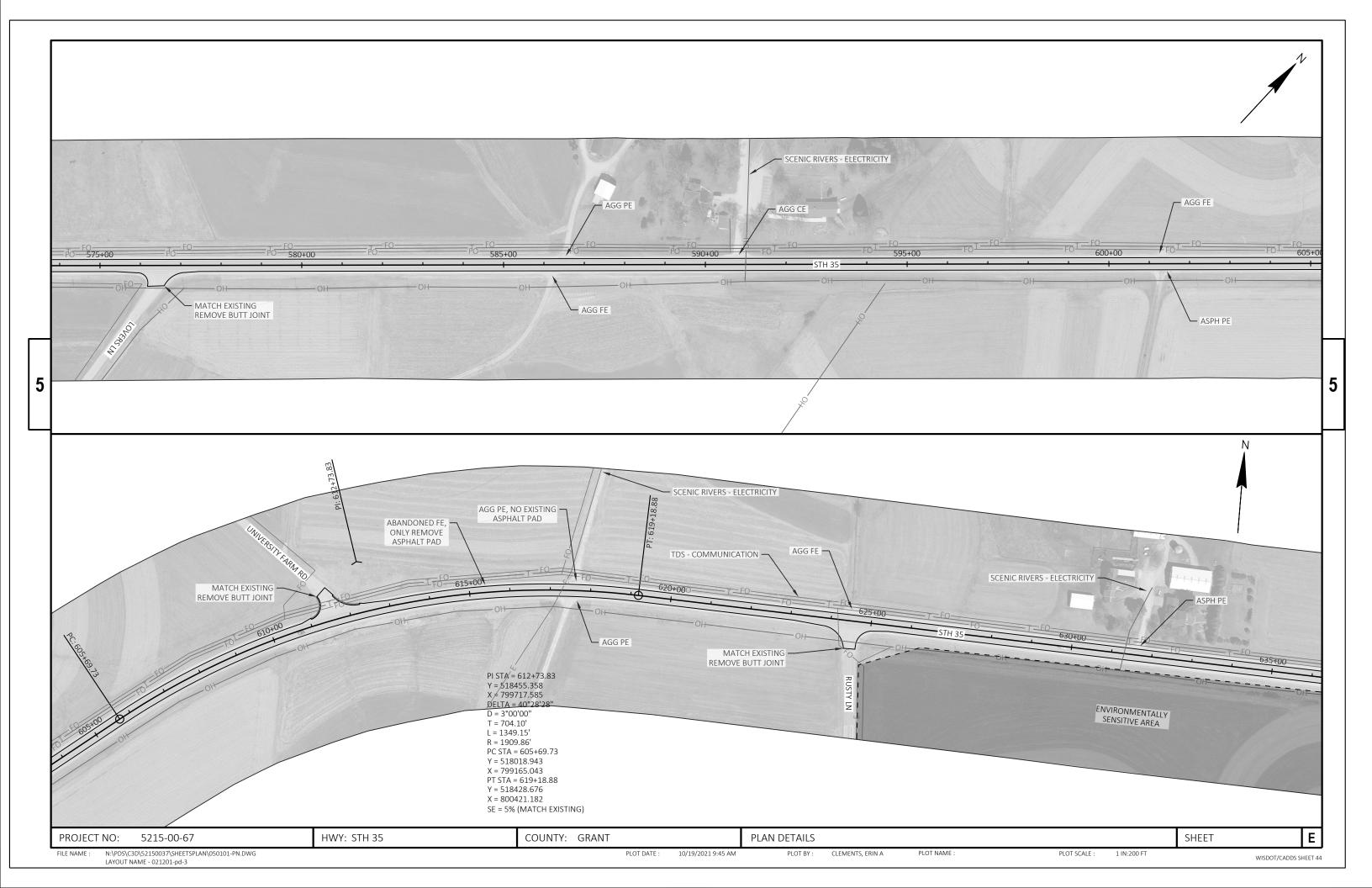
			3213 00	07111	LIVITATORE		
Location	Station	Underlying Surface	Bid Item	Tons	Thickness	Quality Manage	ement Program to be used for:
Location	From - To	onderlying surface	Did item	10113	THICKITCSS	Mixture Acceptance	Density Acceptance
2 x 12 foot driving lanes	454+50 - 503+92	Milled Existing Asphaltic Surface	4 MT 58-28 S	1471	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
3 foot shoulders + intersections	454+50 - 503+92	Milled Existing Asphaltic Surface	4 MT 58-28 S	576	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 12 foot driving lanes	503+92 - 509+21	Milled Existing Asphaltic Surface	4 MT 58-28 S	158	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
5 foot shoulders + intersections	503+92 - 509+21	Milled Existing Asphaltic Surface	4 MT 58-28 S	66	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 12 foot driving lanes	509+21 - 720+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	6277	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
3 foot shoulders + intersections + passing lane	509+21 - 720+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	2261	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
					- "		
2 x 12 foot driving lanes	720+00 - 775+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	1648	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
5 foot shoulders + intersections	720+00 - 775+00	Milled Existing Asphaltic Surface	4 MT 58-28 S	859	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive
2 x 16 foot driving lanes	775+00 - 789+35	Milled Existing Asphaltic Surface	4 MT 58-28 S	569	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Intersections	775+00 - 789+35	Milled Existing Asphaltic Surface	4 MT 58-28 S	102	2"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance testing by department; Not eligible for incentive

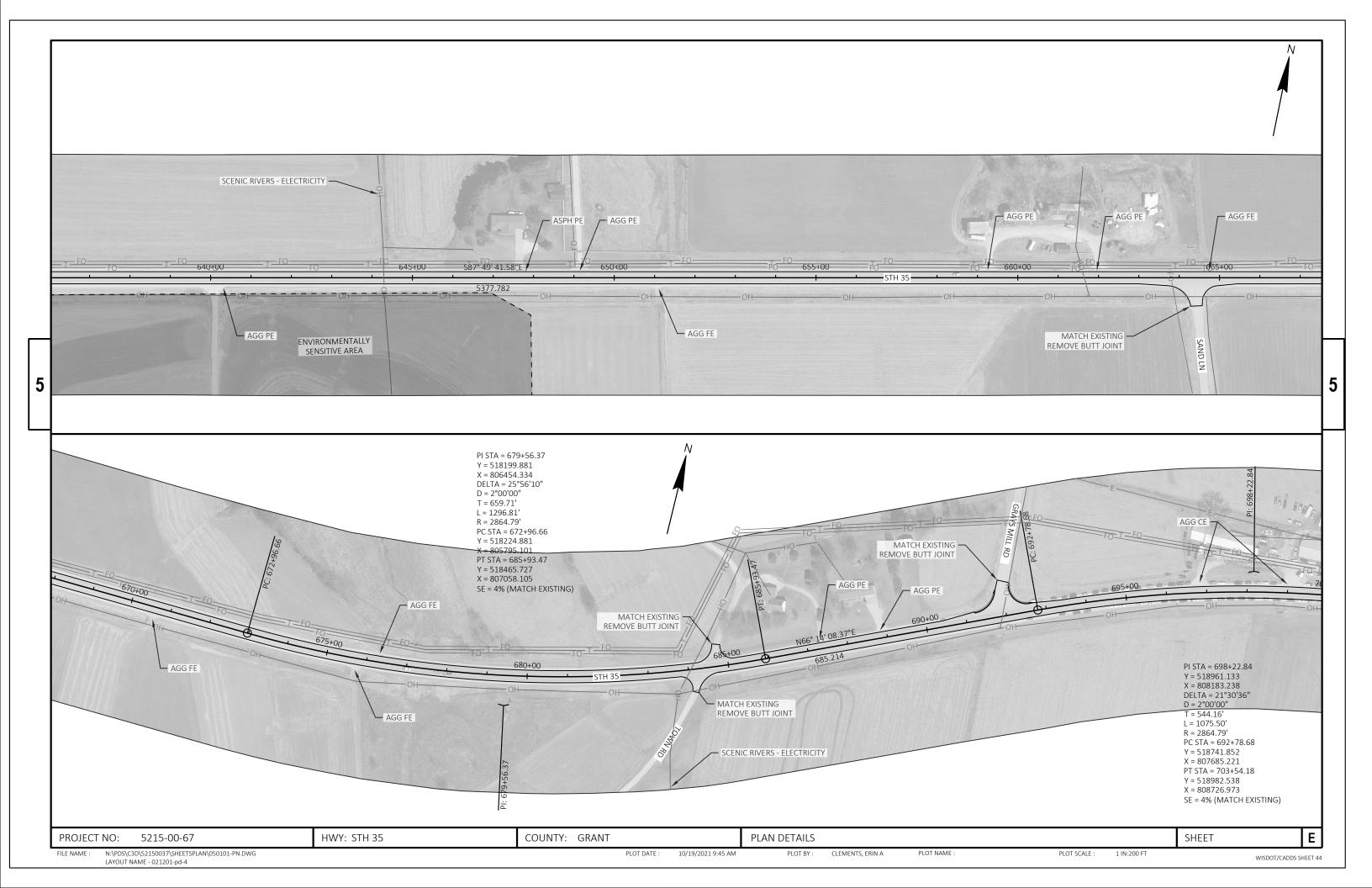
PROJECT NO: 5215-00-67 HWY: STH 35 COUNTY: GRANT SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 07 SOURCE STILE NAME: N:\PDS\C3D\5215-00-67 PLOT BY: CLEMENTS, ERIN A PLOT BY: CLEMENTS, ERIN A PLOT NAME: PLOT NAME: PLOT NAME: PLOT SCALE: 1"=1' WISDOT/CADDS SHEET 42 PLOT NAME - 07 PLOT NAME - 07 PLOT NAME - 07 PLOT NAME - 07 PLOT NAME: PL

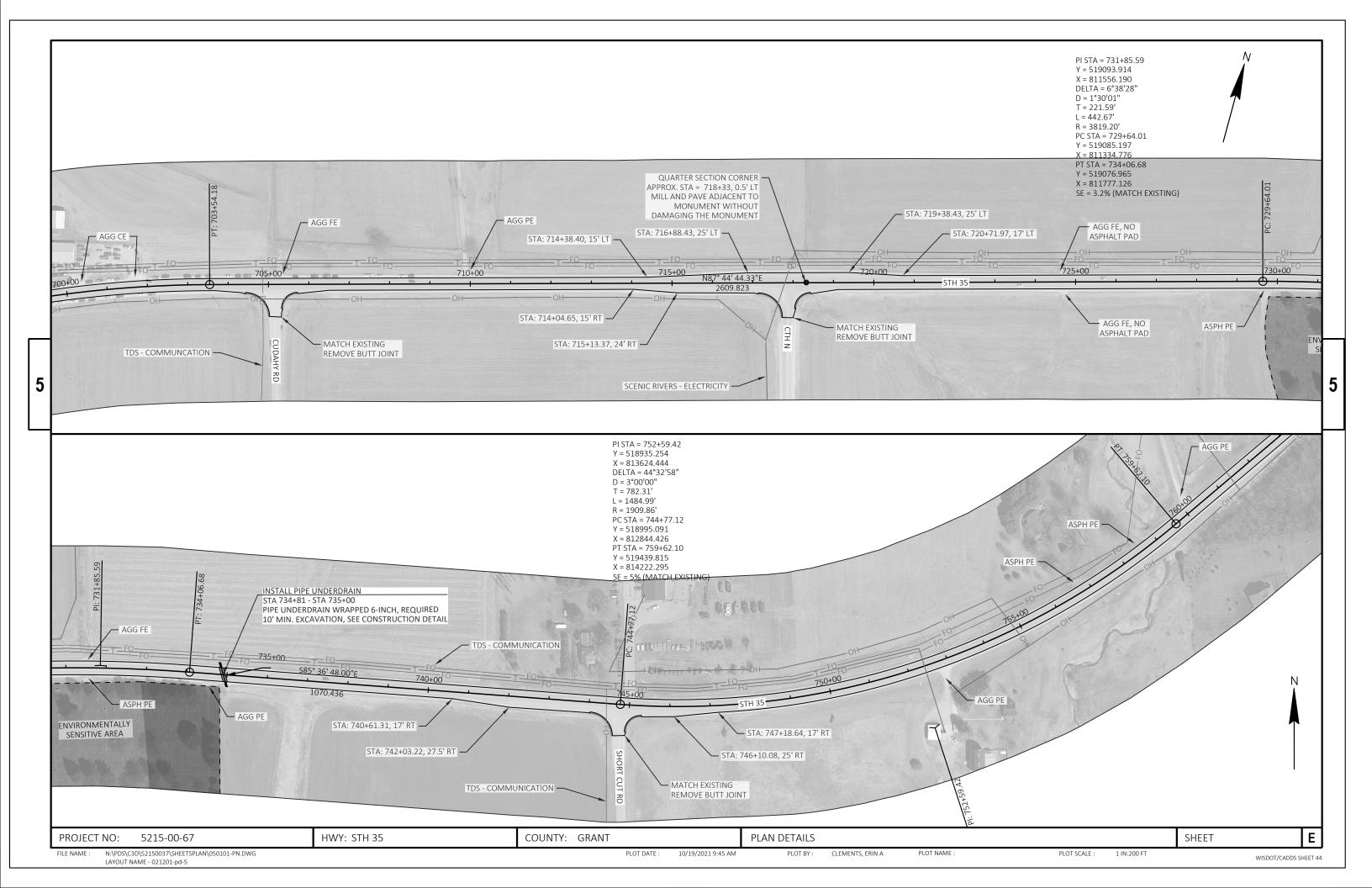
LAYOUT NAME - 07

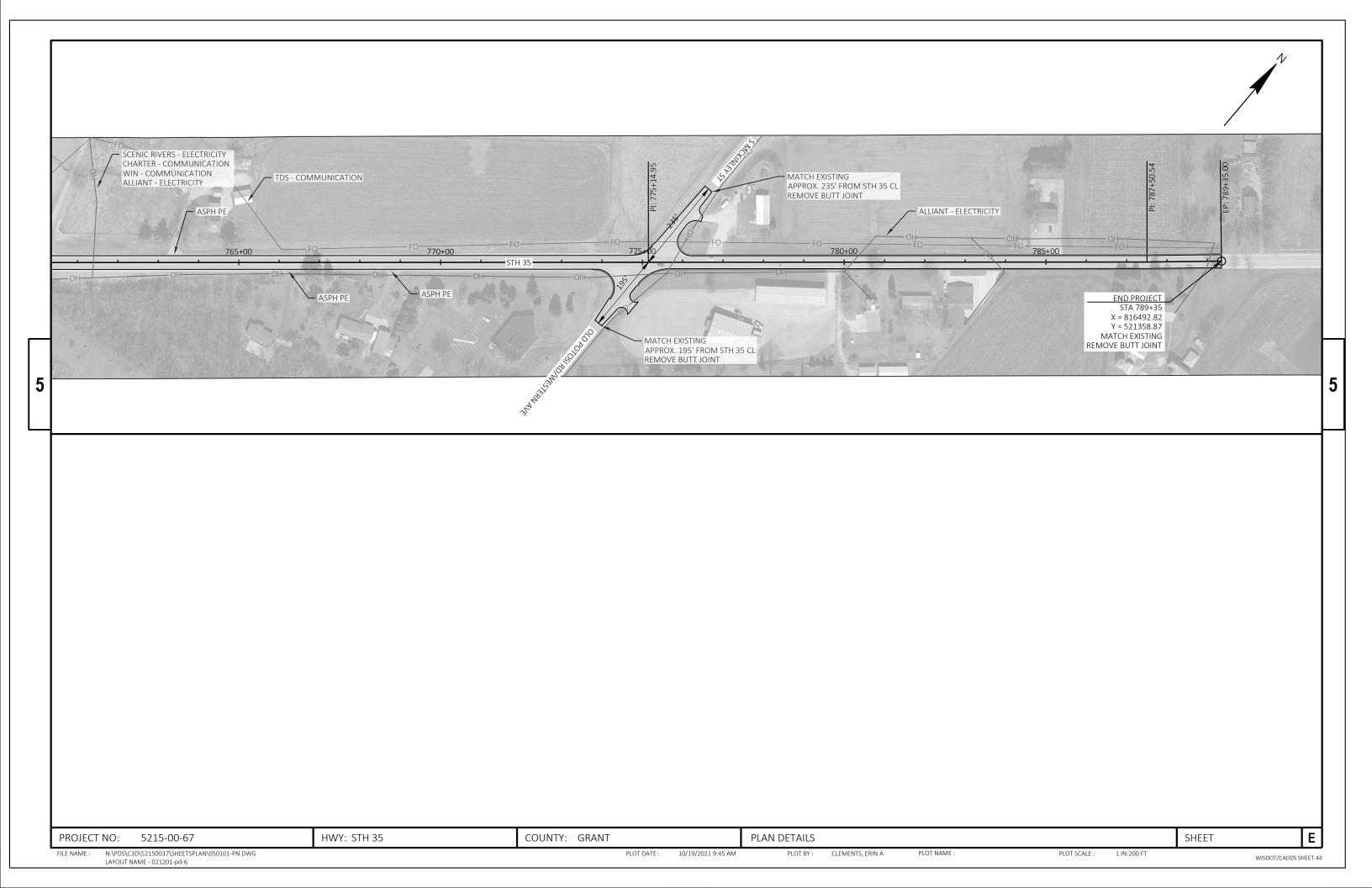








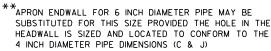




# Standard Detail Drawing List

08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
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
14в29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15А03-02В	FLEXIBLE MARKER POST FOR CULVERT END
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15С11-09В	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

6

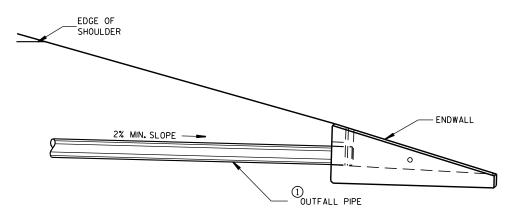


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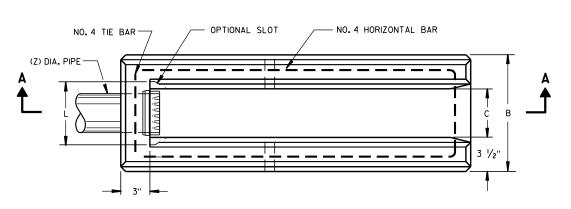
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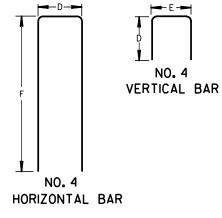
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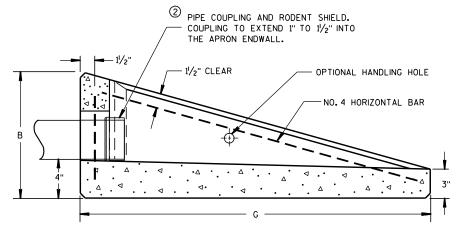
INSTALLATION DETAIL



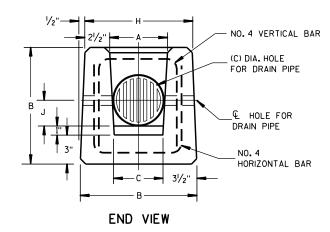
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



SECTION A-A



CONCRETE APRON ENDWALL FOR UNDERDRAIN

### 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

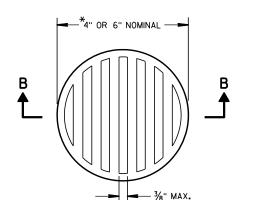
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

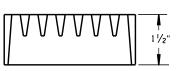
(1) THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

(2) THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER, A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL



NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



SECTION B-B

<sup>2</sup> RODENT SHIELD

\*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

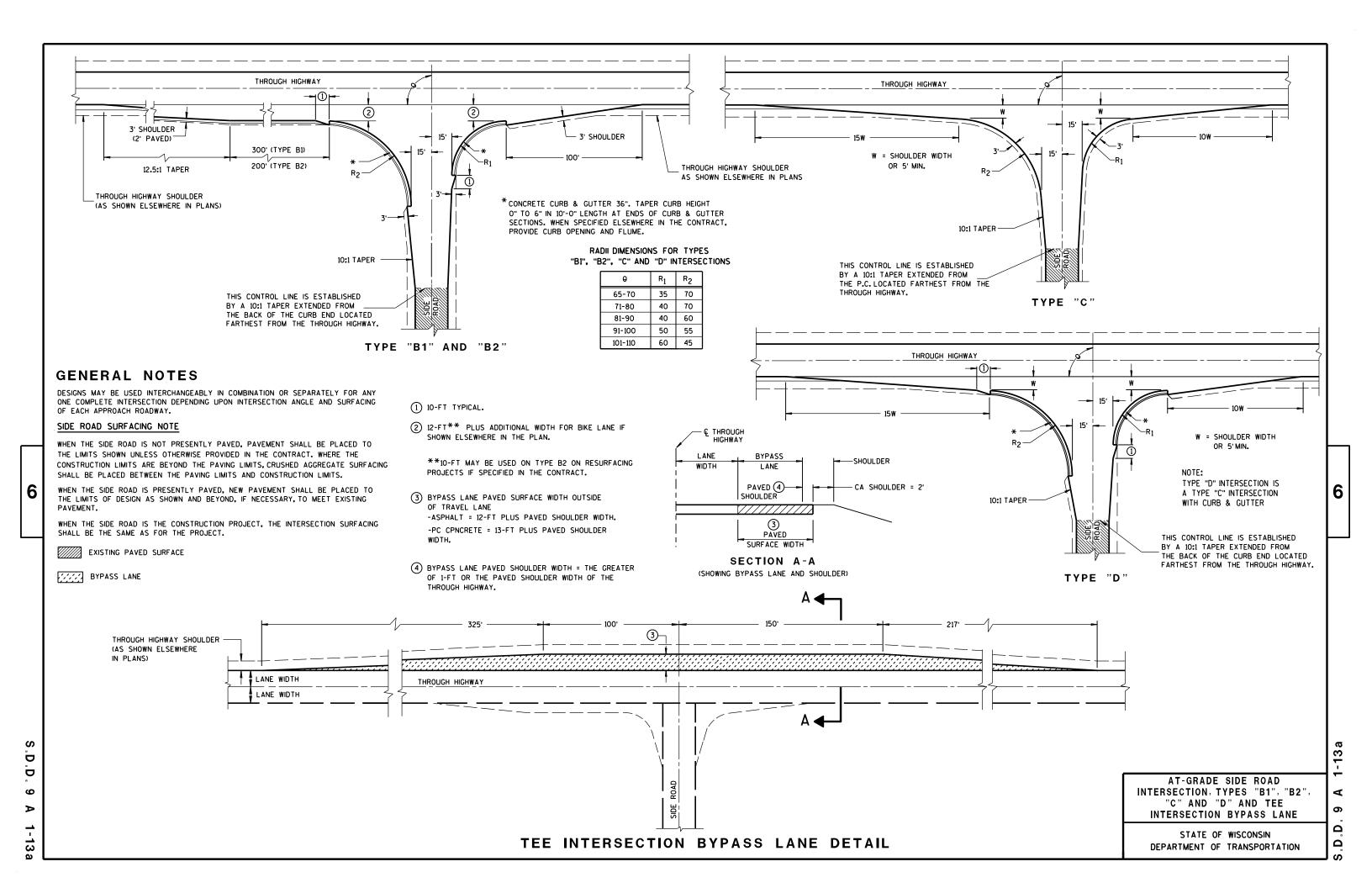
#### REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

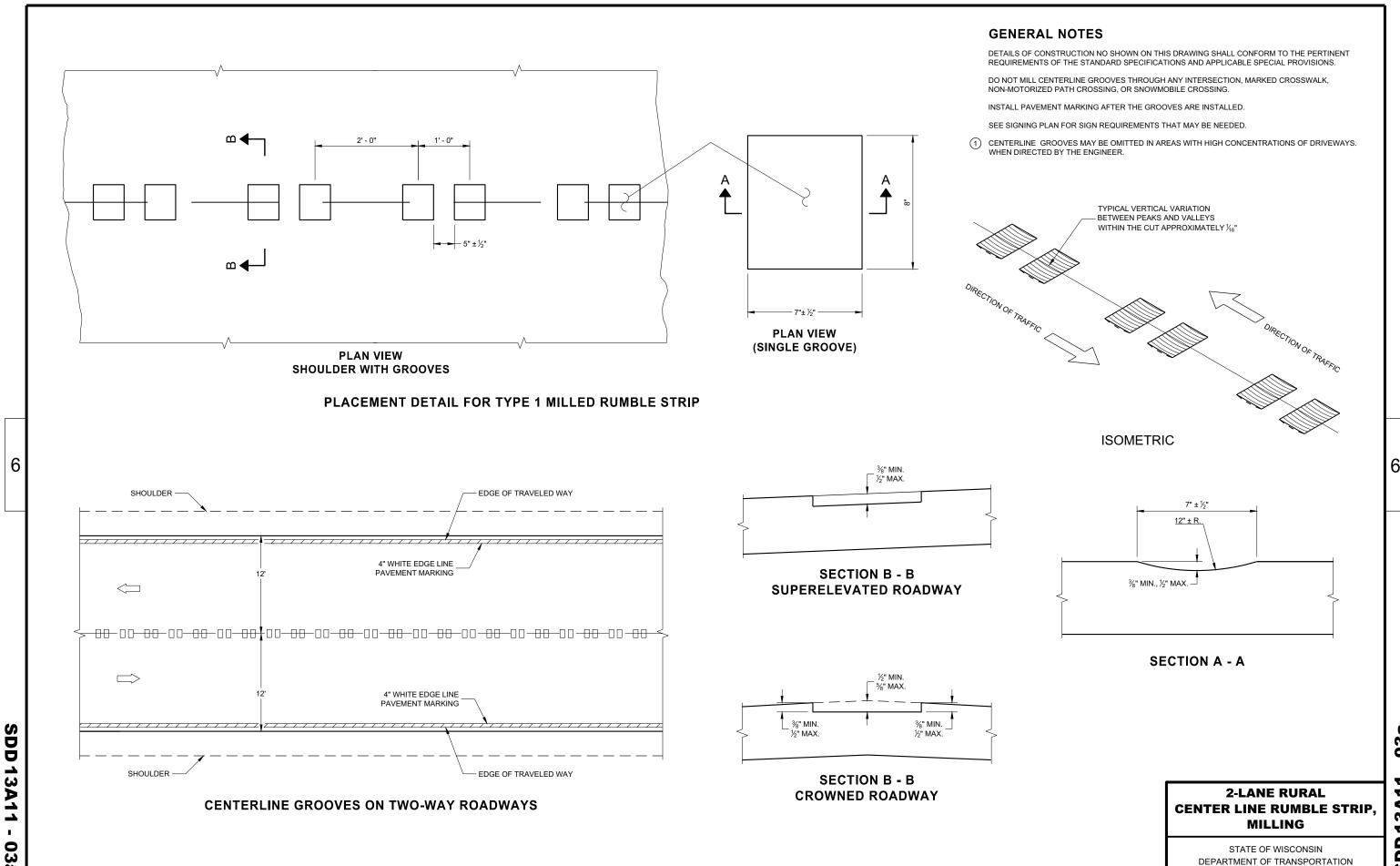
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 3/10/98 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER

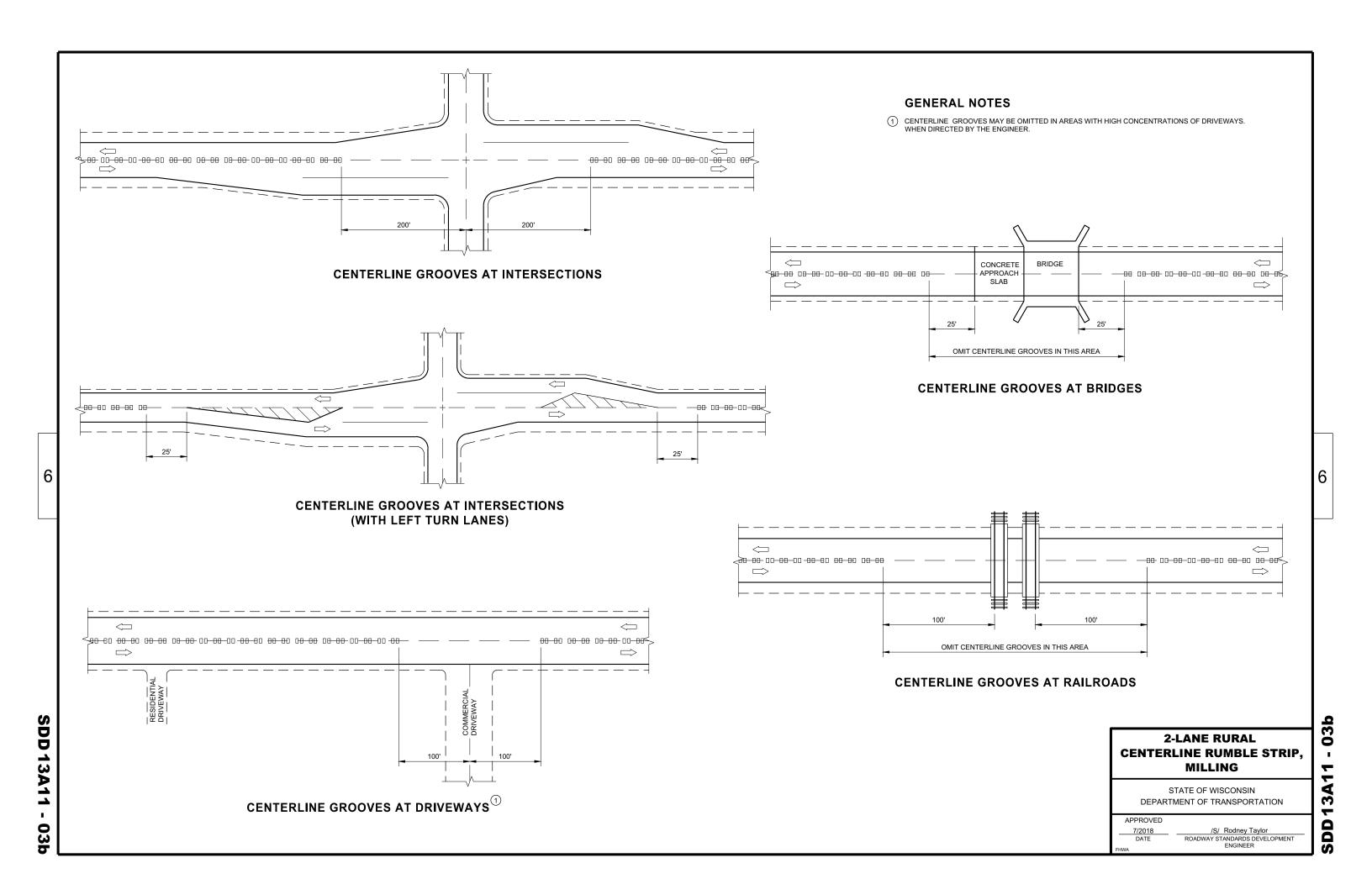
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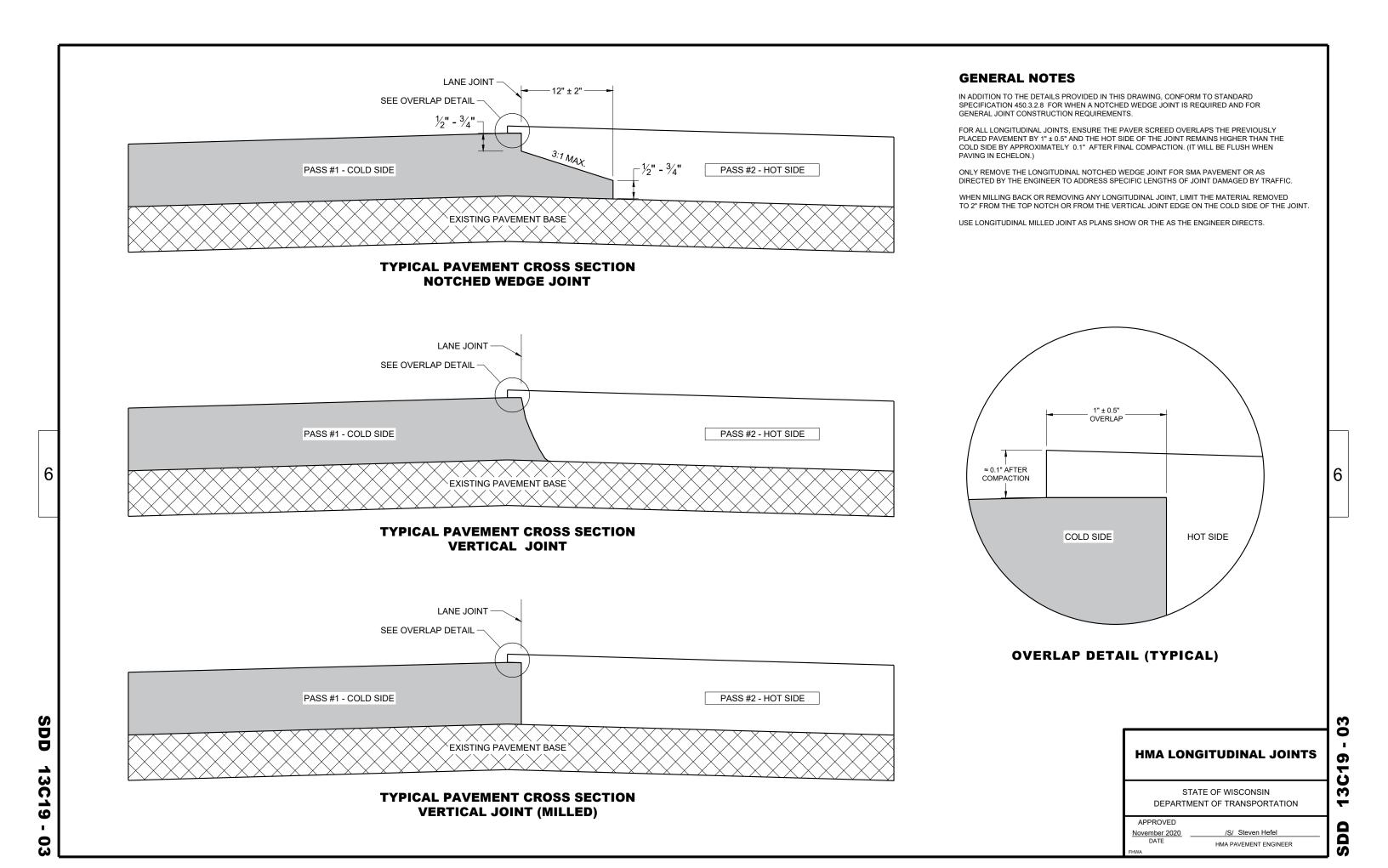
6

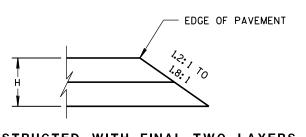


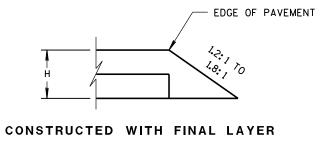


Ö SDD





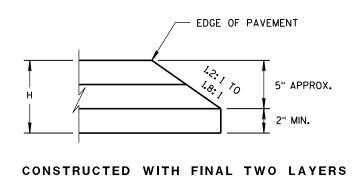




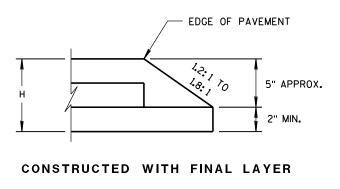
FOR H 5" OR LESS

CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS

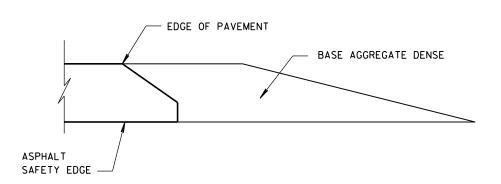


FOR H GREATER THAN 5"



FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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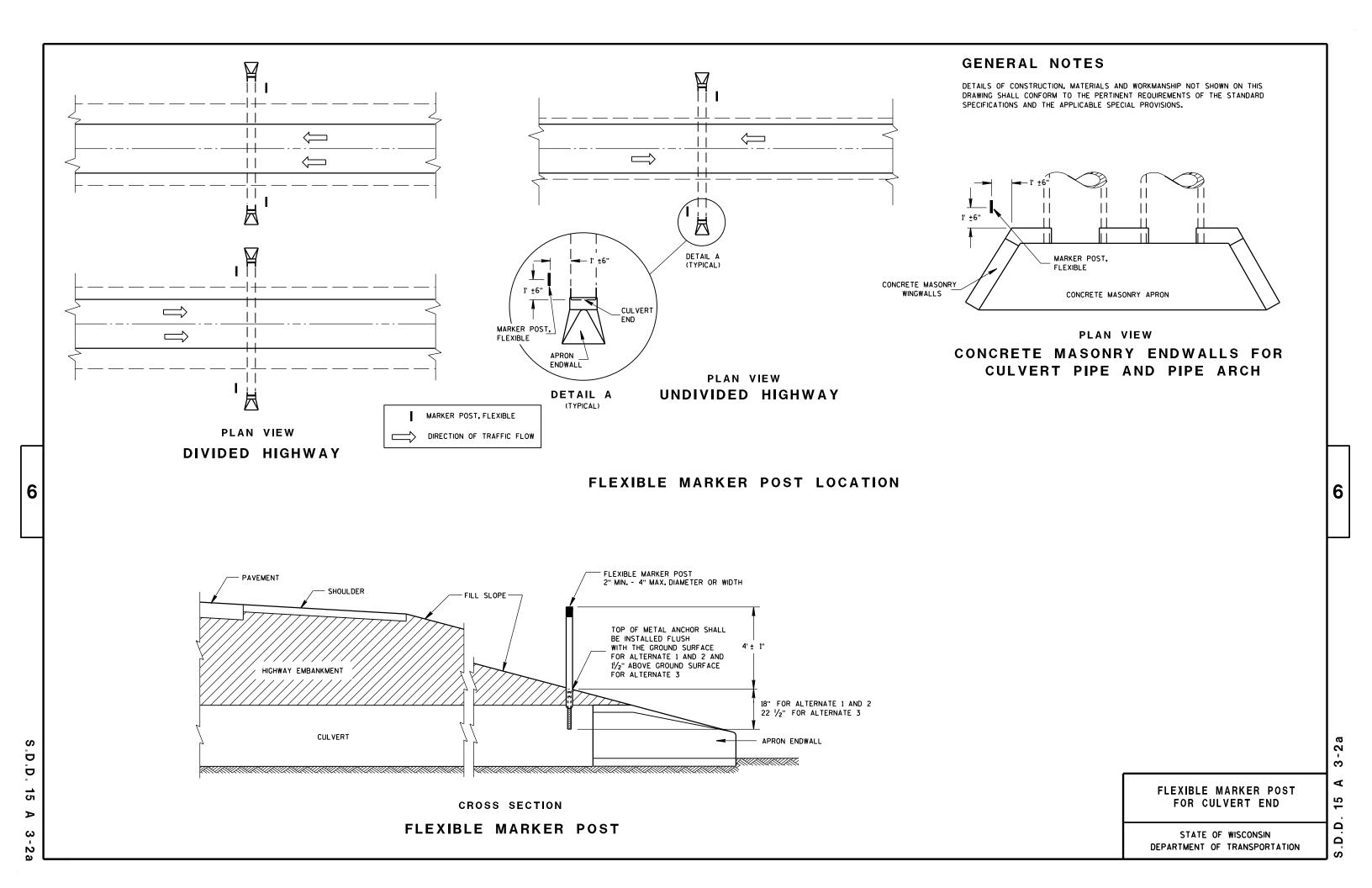
Ω

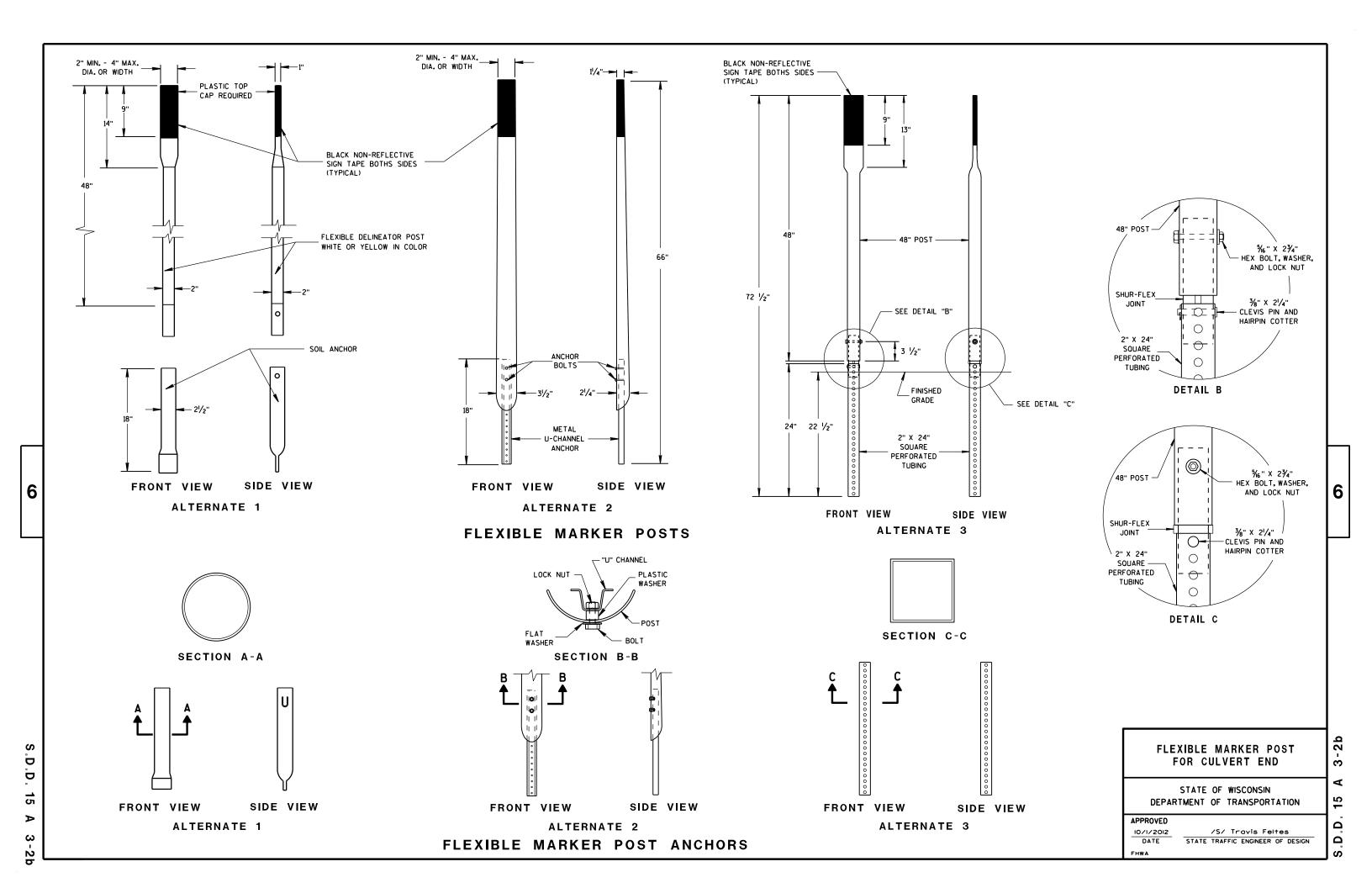
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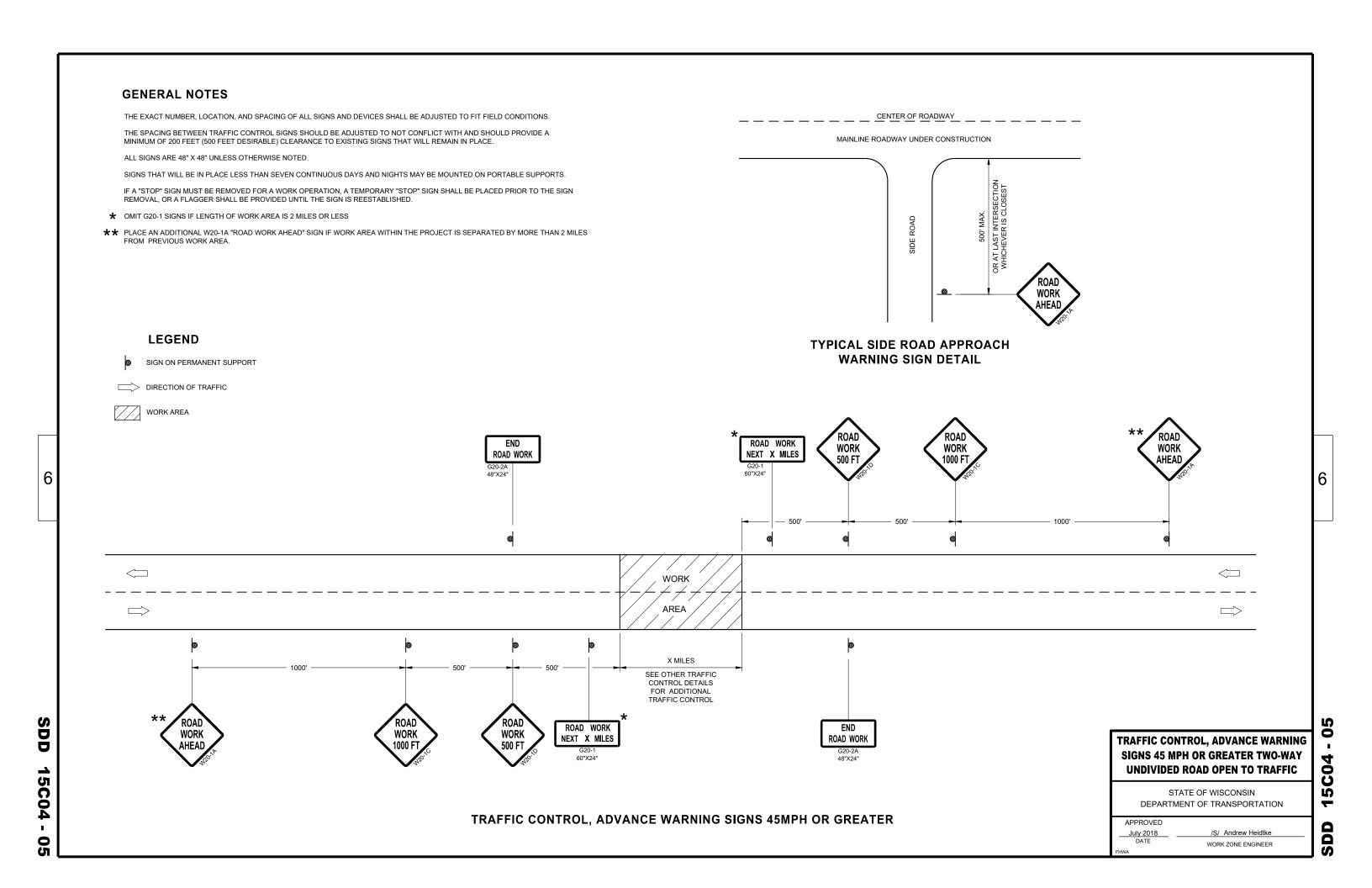
APPROVED

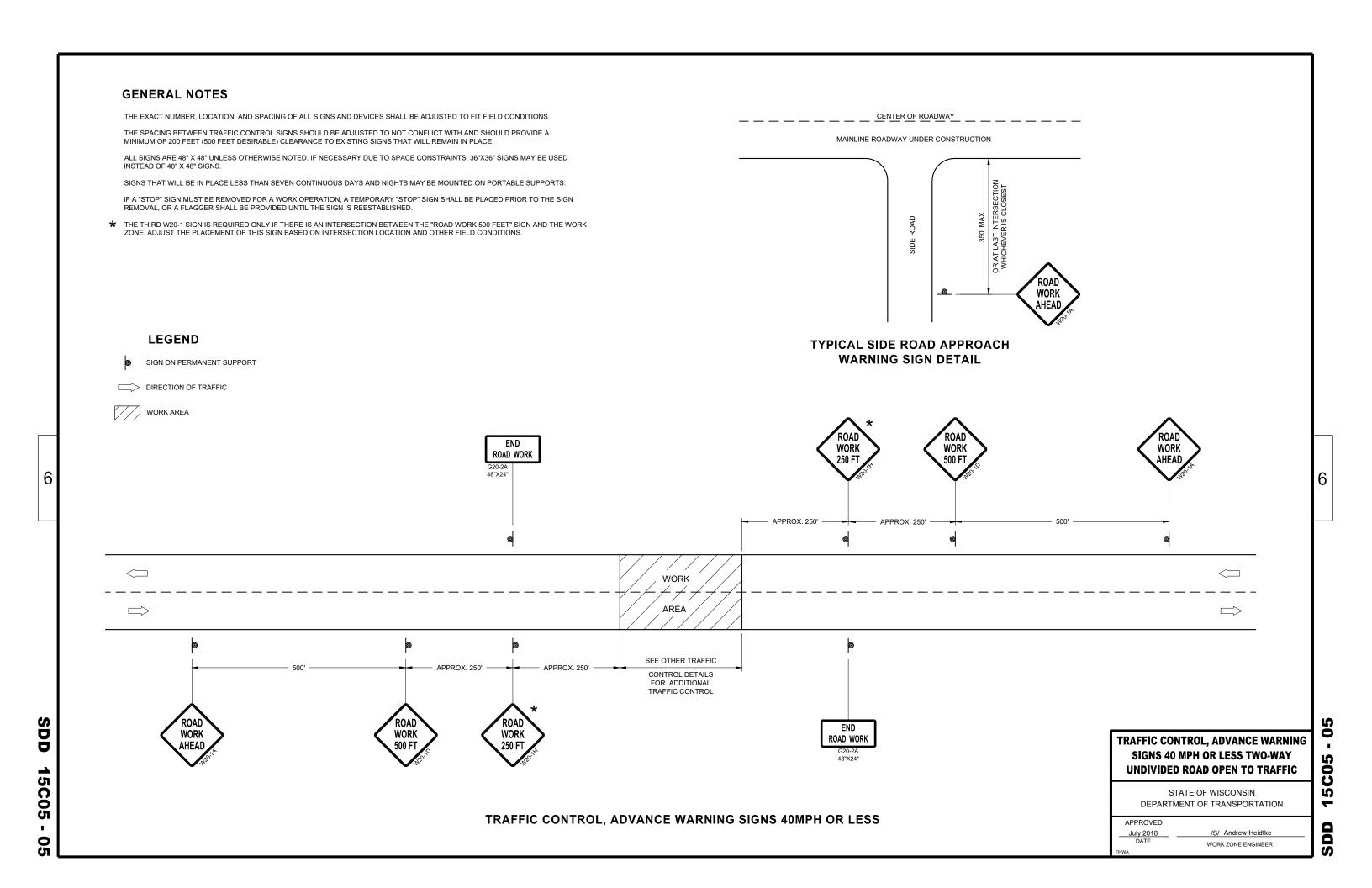
I/30/2012
DATE
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

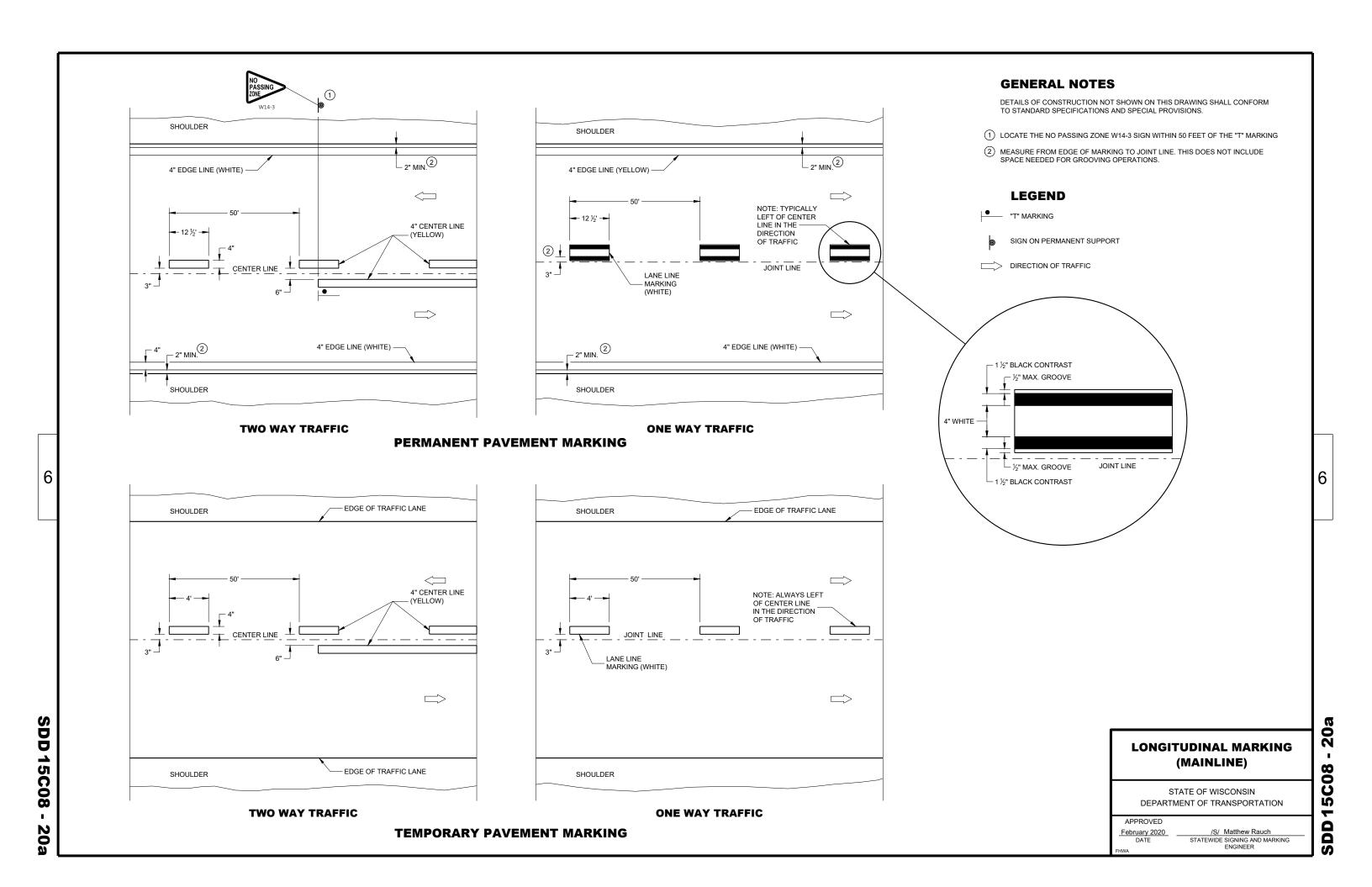
6







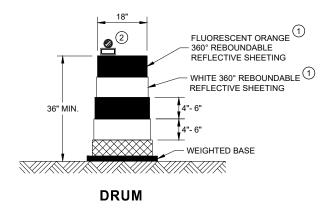


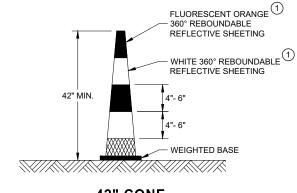


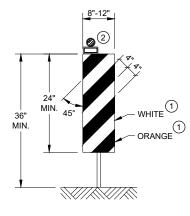
# <u>60</u> 15C

#### **GENERAL NOTES**

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



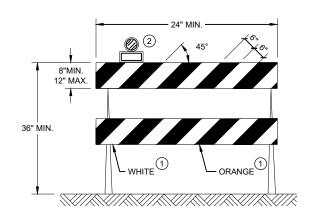




#### **42" CONE** DO NOT USE IN TAPERS ½ SPACING OF DRUMS

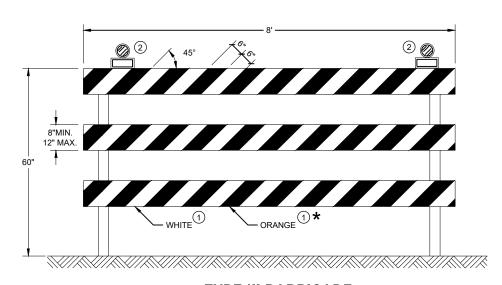
#### **VERTICAL PANEL**

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



#### **TYPE II BARRICADE**

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



#### **TYPE III BARRICADE**

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

\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

#### **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED	
May 2021	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

RUMBLE

STRIPS

ROAD

WORK

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

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

**FLAGGING OPERATION** STATE OF WISCONSIN

2

S

TRAFFIC CONTROL FOR

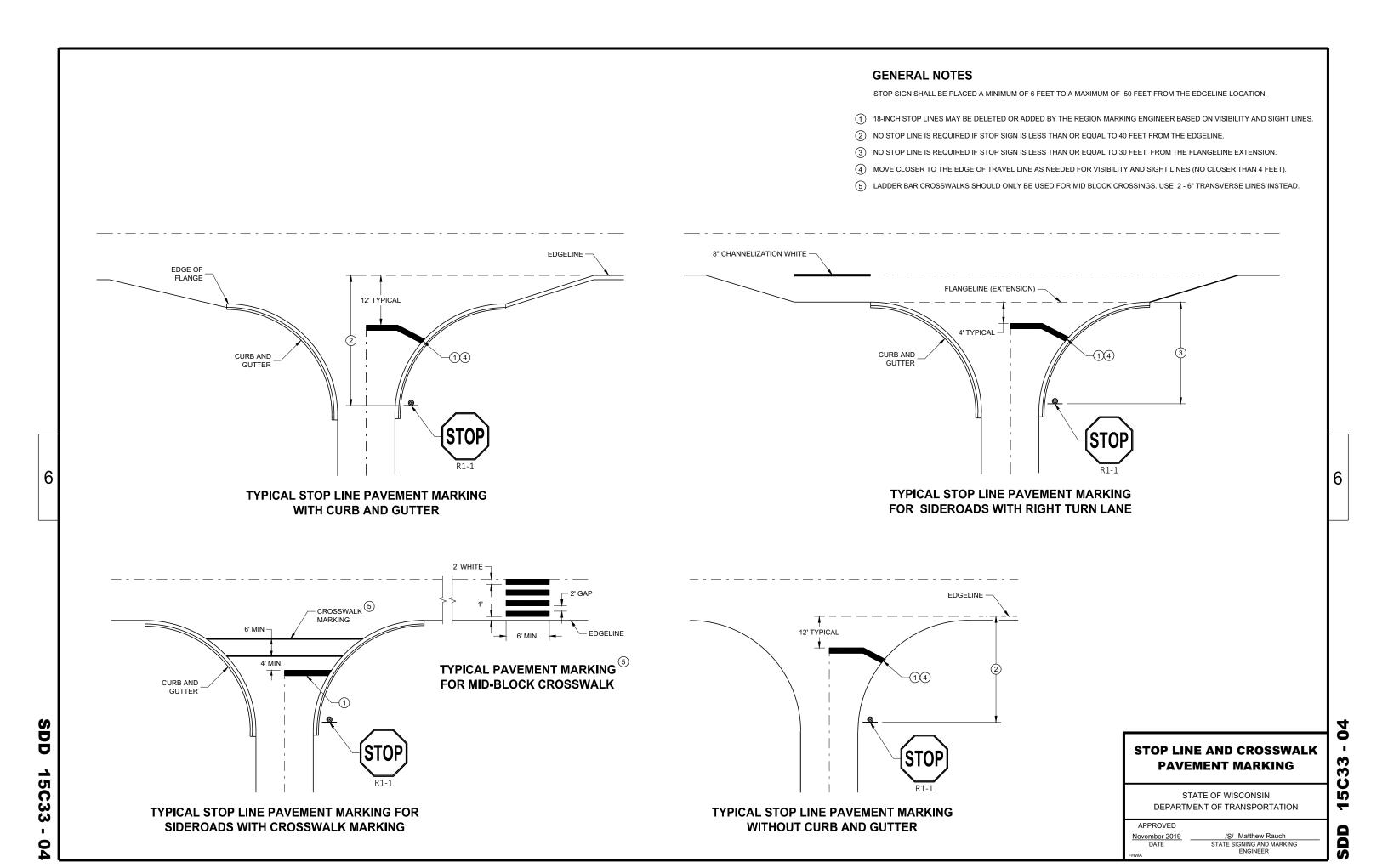
LANE CLOSURE WITH

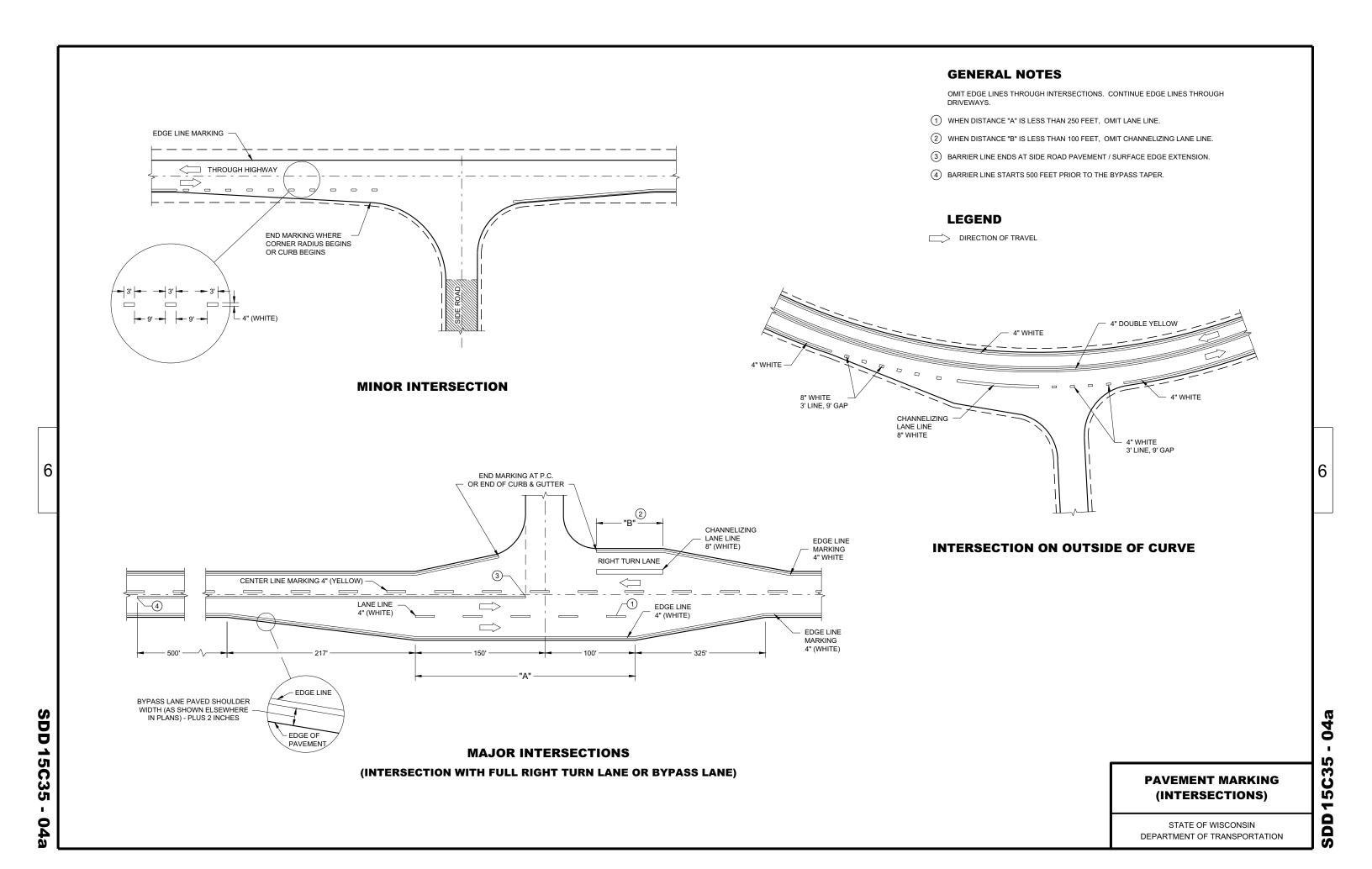
DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE WORK ZONE ENGINEER

3DD 15C19 - 06a

6





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

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

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

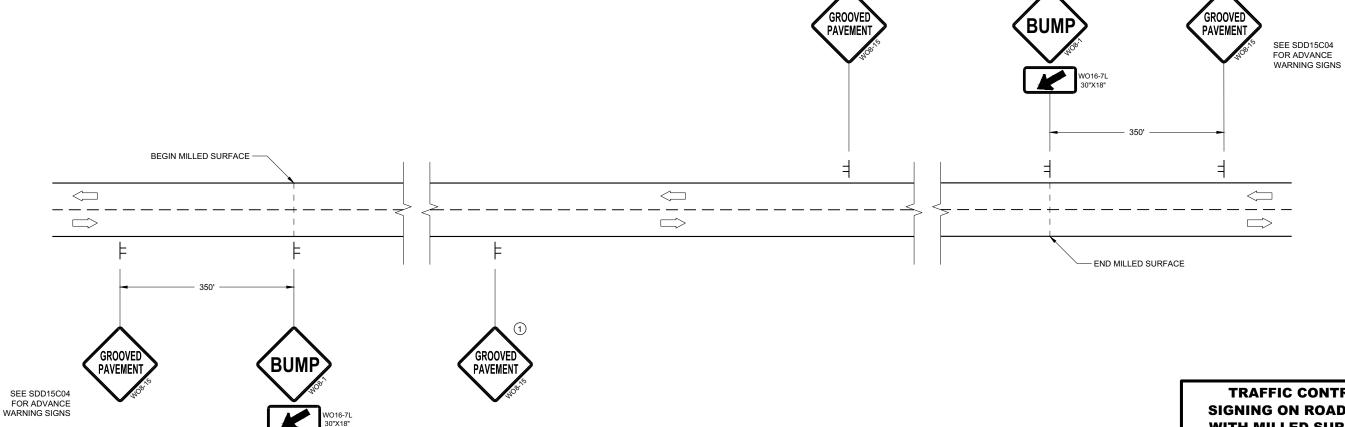
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

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

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

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

DIRECTION OF TRAFFIC



#### **DETAIL FOR SIGNING ON MILLED SURFACES**

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

 $\perp \!\!\! \perp$ 

**TYPICAL SIDE ROAD APPROACH SIGN DETAIL** 

**PAVEMENT** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

Ò S V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

////// WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	000'

1200'

55

#### **GENERAL NOTES**

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

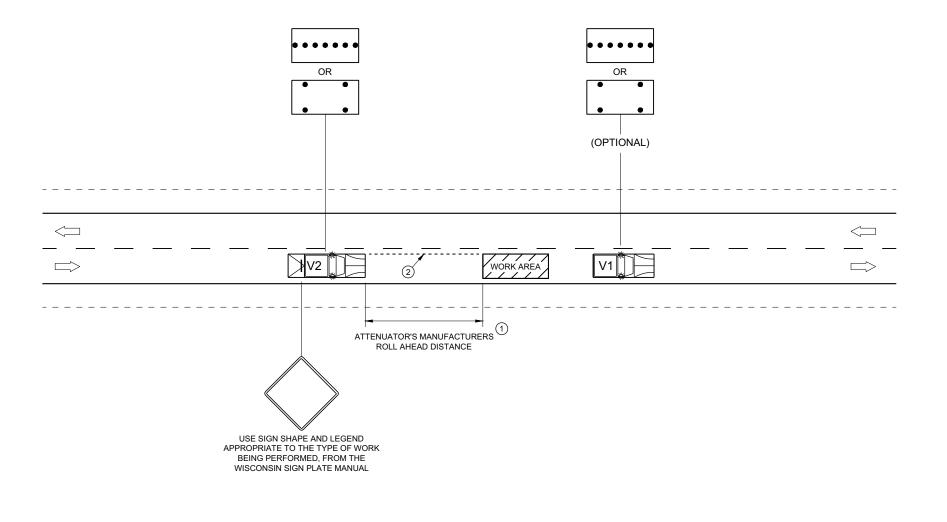
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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

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

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

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

51

S

6

300 130

WISCO TRANS /S/ And EWIDE WO SAFETY

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 400 110 00 00 110

for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

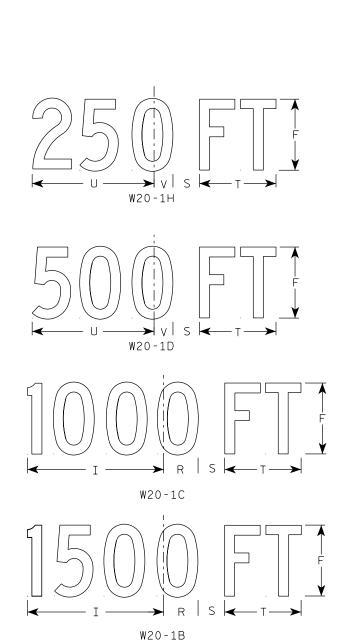
PLOT SCALE : 5.561773:1.000000

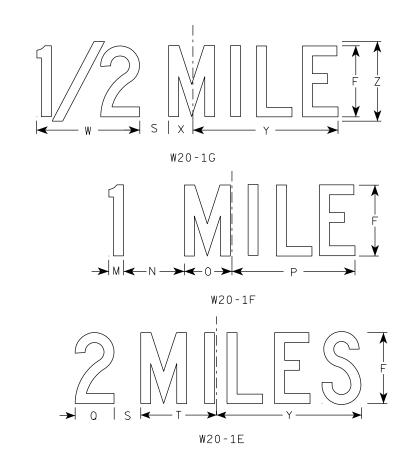
5.561773:1.000000 WISDOT/CADDS SHEET 42

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background – Orange Message – Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.





SIZE	А	В	С	D	E	F	G	H I	J	K	_ M	N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4 10 1/8	7	7 % 8	7/8 1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	<sup>3</sup> / <sub>8</sub> 1 <sup>5</sup> / <sub>8</sub>	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

 $f_{or}$  State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W201.DGN

PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

PLOT BY : dotc4c

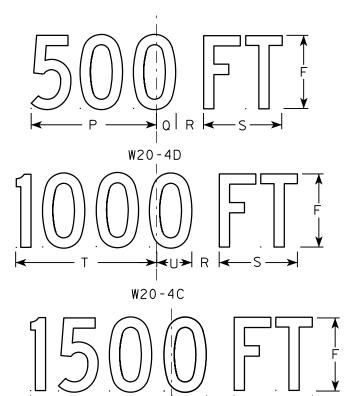
WISDOT/CADDS SHEET 42



- Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-4F

PLOT BY: mscj9h

W20-4B

W20-4B

W20-4G

SIZE	. A	\	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	T	U	٧	W	X	Y	Z	Area sq. ft.
1	36	6		1 %	5⁄8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 ½	7	8 1/8	9	1 3/8	1 1/8	5 %	10 1/8	2 ½	1 1/8	4 ½	3 ½	10 ¾	1 3/4	9.0
25	48	8		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0
2M	48	8		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 ¾	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
3	48	8		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 1/2	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0
4	48	8		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 ½	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0
5	48	8		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

W20-4A

STANDARD SIGN W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rauch

For State Traffic Engineer

DATE 3/18/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W204.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 12:11

WISDAT

PLATE NO. W20-4.9

Ε

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Orange Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

A	C H
	W20-7A

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	₹4		2 3/4	13 1/2	14 5/8																		9.00
25	48		2 1/4	¾	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3∕4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	₹4	1		3 3/4	18	19 1/2																		16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawl For State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-74.5

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W207A.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 13:14

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: 7.945391:1.000000

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Line 1 is Series C Lines 2 and 3 are Series D

E D	

W21-65

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1	36		1 %	5/8	3/4	5	3 1/4	10 %	11 %	11	11 %																9.0
2S	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 %	15 1/4																16.0
2M	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
3	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
4	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
5	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 5/8	15 1/4	·			·										·		16.0

COUNTY:

STANDARD SIGN W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ED Matthe R Rouse

for State Traffic Engl

DATE 5/28/14

PLATE NO. W21-65.1
SHEET NO:

PROJECT NO:

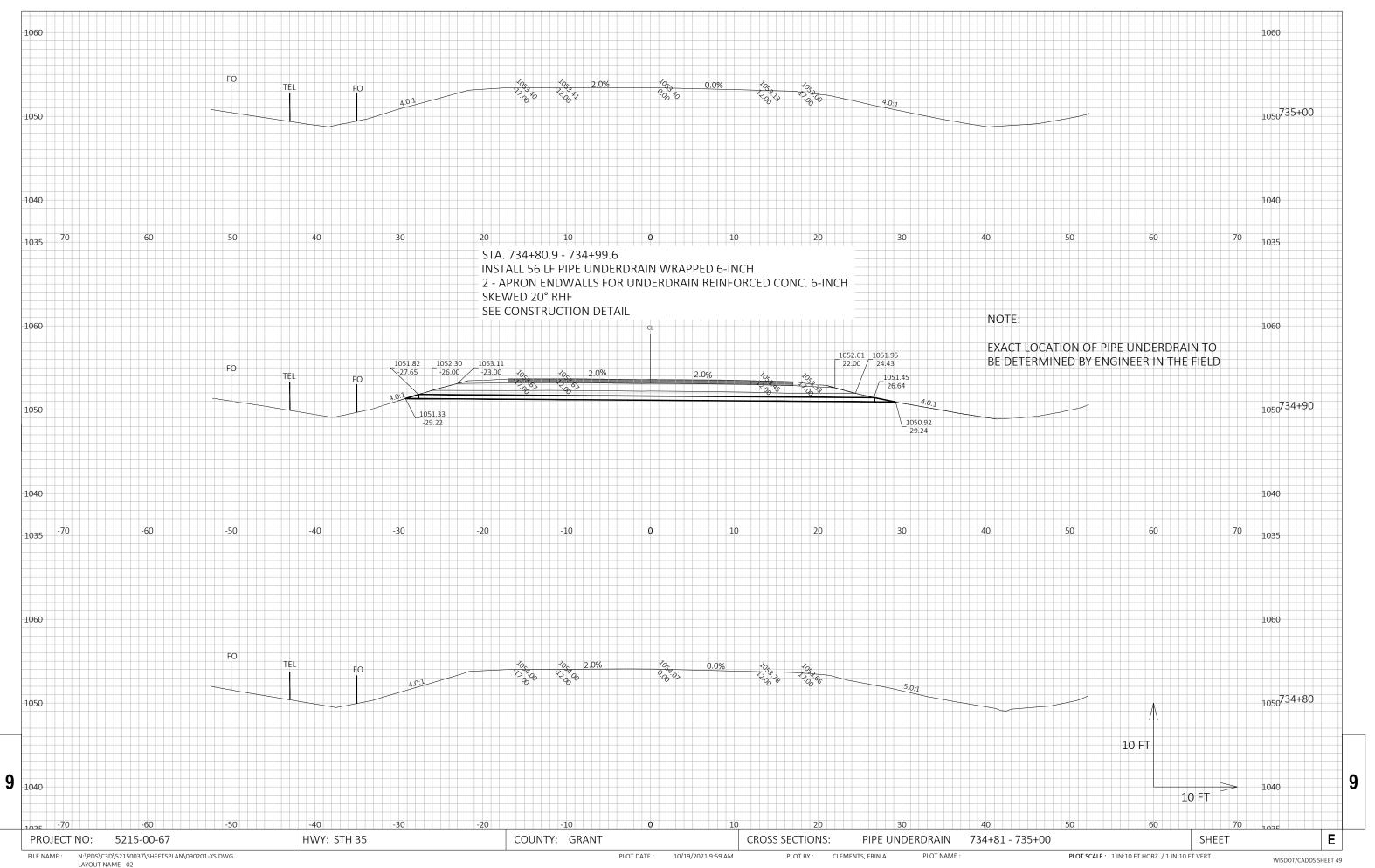
FILE NAME: C:\CAEFiles\Projects\tr\_stdplate\W2165.dgn

PLOT DATE : 28-MAY-2014 13:24

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 9.729210:1.000000



Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov