PROJECT WITH: Ð S 999-03-72

Section No Title Section No. Typical Sections and Details Section No Estimate of Quantities Section No. Miscellaneous Quantities Section No. Right of Way Plat Plan and Profile Section No. Section No. Standard Detail Drawings Section No. Sign Plates Section No. 9

Computer Earthwork Data Section No. 9 Cross Sections

TOTAL SHEETS = 76

**MARCH 2020** 

ORDER OF SHEETS

DESIGN DESIGNATION			STH 54	DESIGN DESIG	SENECA ROAD		
A.A.D.T.	2017	=	8100	A.A.D.T.	2017	=	2800
A.A.D.T.	2030	=	8700	A.A.D.T.	2030	· =	2900
D.H.V.		=	8.4	D.H.V.		=	N/A
D.D.		=	59/41	D.D.		=	N/A
Т.		=	9.8%	Т.		-	N/A
DESIGN SPEED		=	45 MPH	DESIGN SPEED		=	45 MPH
ESALS		=	240,000	ESALS		=	N/A

# WOOD CONVENTIONAL SYMBOLS PLAN

COUNTY:

CORPORATE LIMITS	<u>'///////</u>
PROPERTY LINE	
LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	/
REFERENCE LINE	300'EB'
EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	-carrier-
MARSH AREA	
WOODED OR SHRUB AREA	\$

## PROFILE GRADÉ LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE

TELEPHONE POLE

ROCK

LABEL

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**STATE OF WISCONSIN** DEPARTMENT OF TRANSPORTATION

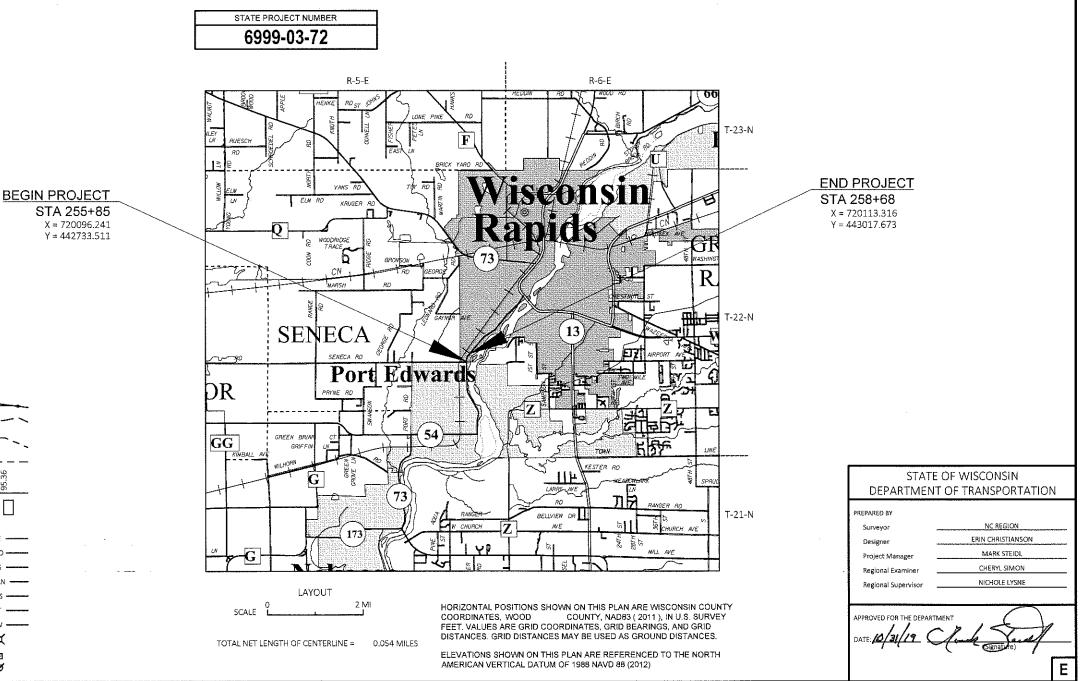
PLAN OF PROPOSED IMPROVEMENT

# C WISCONSIN RAPIDS, SECOND AVE SO

SENECA ROAD INTERSECTION

**STH 54** 

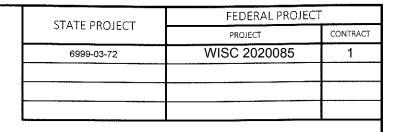
WOOD



FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 10/29/2019 8:13 AM

WIS



## **GENERAL NOTES**

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD. THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

TOPSOIL SHALL BE PLACED 1" BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

INLET GRATE ELEVATIONS REFERRED TO ON INLET NOTES ARE GRATE FLOW LINE ELEVATIONS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

## ALLIANT ENERGY

MICHAEL BROLIN 4902 NORTH BILTMORE LANE MADISON, WI 53713 PHONE: (608) 458-4871 E-MAIL: MichaelBrolin@alliantenergy.com

## **CHARTER COMMUNICATIONS**

JESSE GRUNY 503 EAST IZES STREET, SUITE 316 MARSHFIELD, WI 54449 PHONE: (715) 651-5605 MOBILE E-MAIL: jesse.gruny@charter.net

## PORT EDWARDS WATER UTILITY

**BEN MARTINSON** 201 MARKET STREET PORT EDWARDS, WI 54469 PHONE: (715) 213-9074 E-MAIL: martinsonracing@hotmail.com

## PORT EDWARDS WASTEWATER TREATMENT FACILITY

**BEN MARTINSON** 201 MARKET STREET PORT EDWARDS, WI 54469 PHONE: (715) 213-9074 E-MAIL: martinsonracing@hotmail.com

## **DNR CONTACT**

## **BRAD BETTHAUSER**

DNR SERVICE CENTER **473 GRIFFITH AVENUE** WISCONSIN RAPIDS. WI 54494 PHONE: (715) 213-9064 MOBILE E-MAIL: Bradley.Betthauser@Wisconsin.gov



PROJECT NO: 6999-03-72	HWY: STH 54	COUNTY: WOOD	GENERAL NOTES	
Ell E NAME Number id/6000 03 12 STH 54 Senece Pd HSIP/Design related	hinformation/Estimate/ConeralNotes/020101 gp.ppt	PLOT DATE : 10/20/2010 6:54 AM		PLOT NAME : 020101-gp ppt

## 2

## SOLARUS

**DENNIS PIERCE** 440 EAST GRAND AVENUE WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-8172 WORK PHONE: (715) 572-0152 MOBILE E-MAIL: pierce@solarus.net

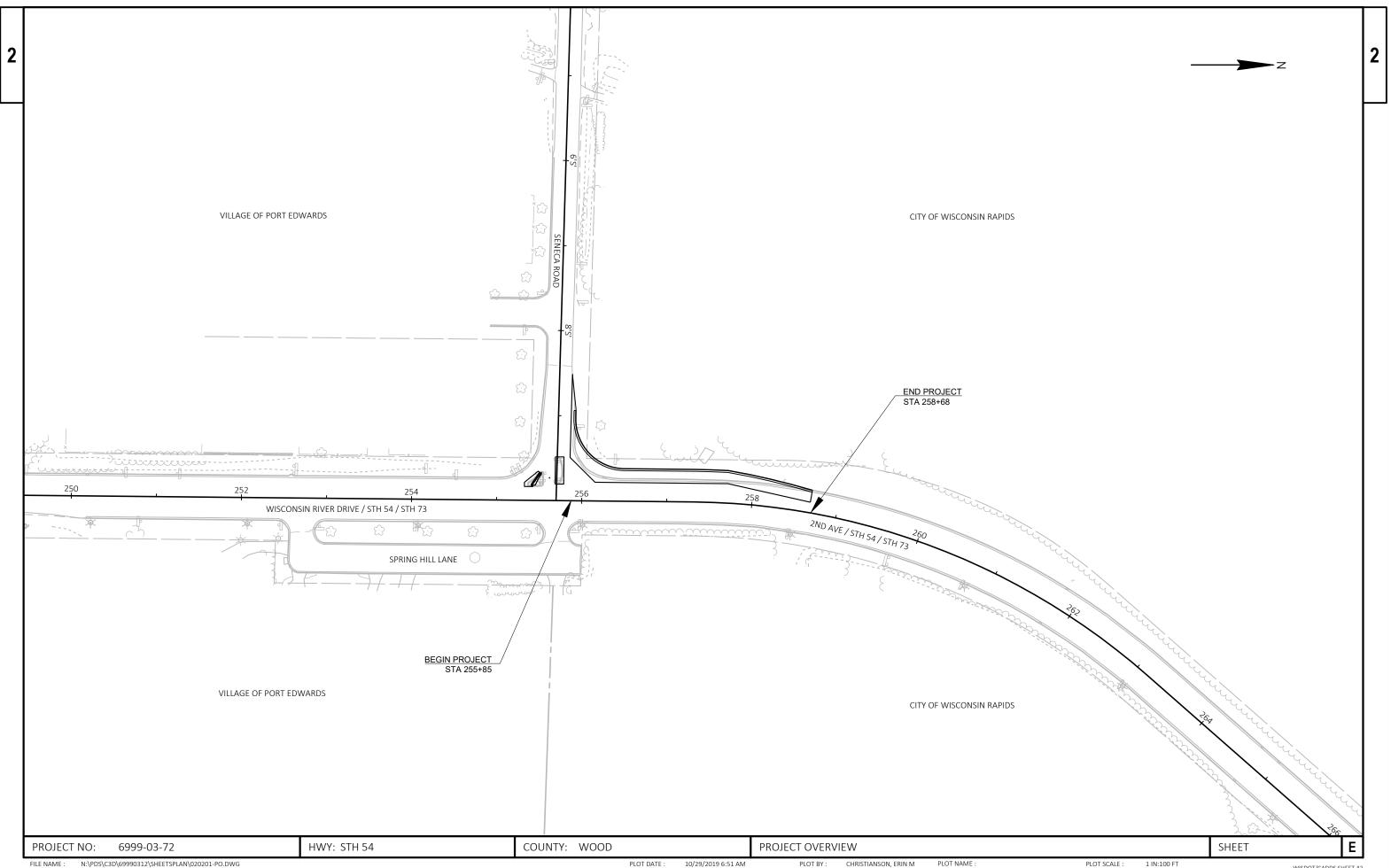
## WISCONSIN GAS LLC d/b/a WE ENERGIES

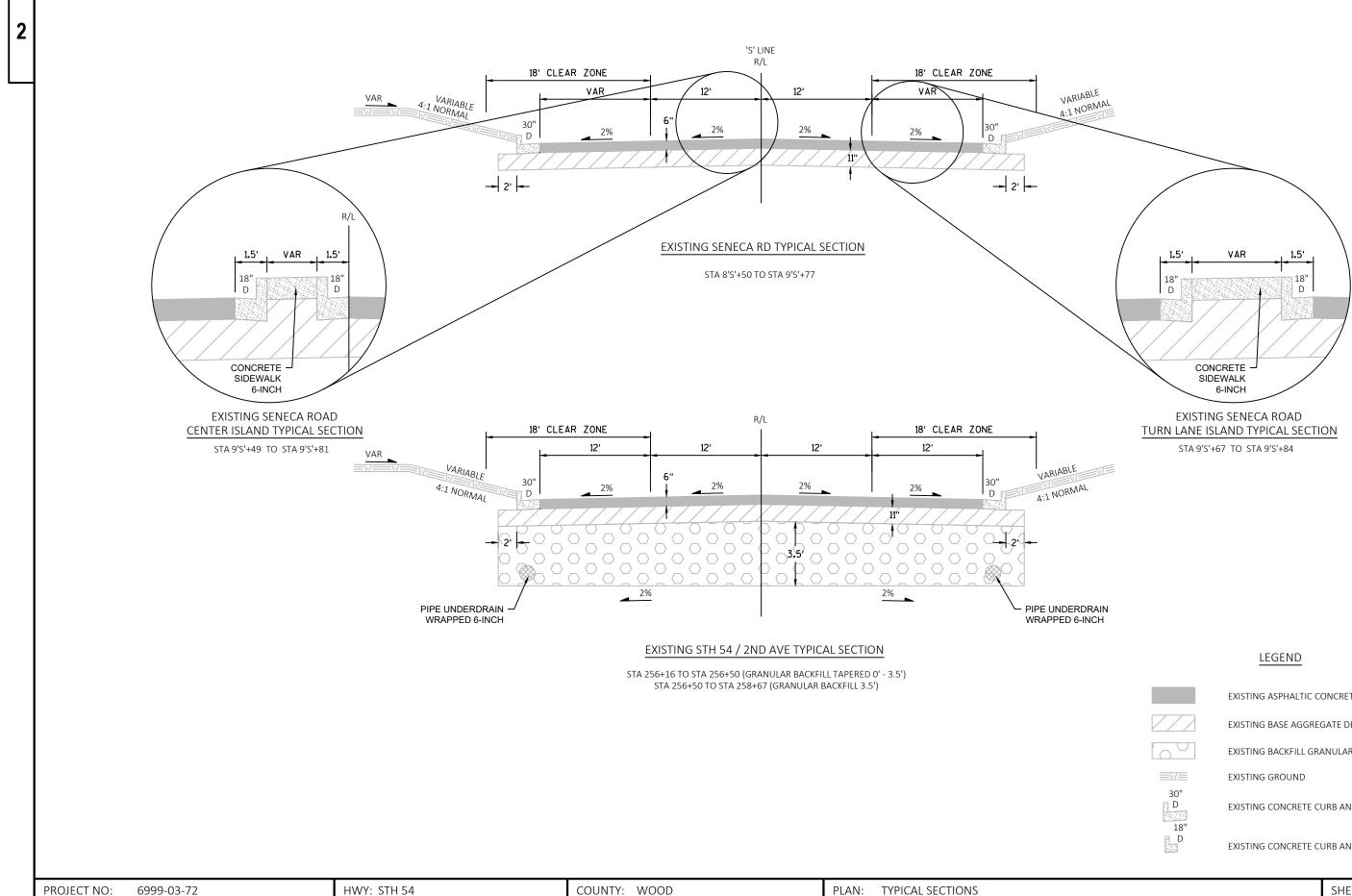
TAYLOR WIETING 1621 8TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 421-7277 WORK PHONE: (715) 213-5189 MOBILE E-MAIL: taylor.wieting@wecenergygroup.com

## WISCONSIN RAPIDS WATER WORKS AND LIGHTING COMMISSION - ELECTRICITY

JACOB JOHNSON 221 16TH STREET SOUTH WISCONSIN RAPIDS, WI 54494 PHONE: (715) 423-6328 WORK PHONE: (715) 213-7505 MOBILE E-MAIL: Jacob.johnson@wrwwlc.com

Е





FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 01

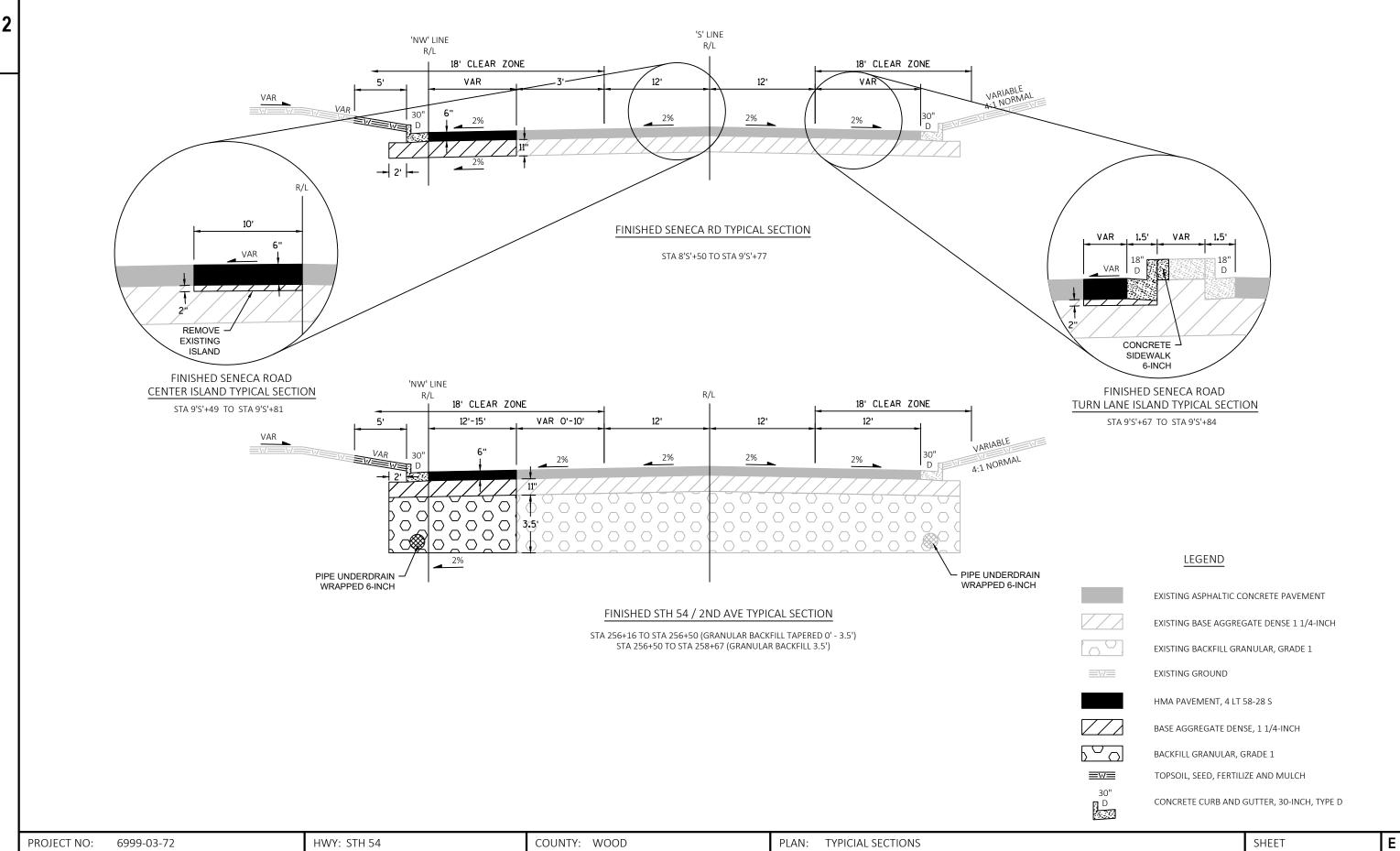
PLOT DATE : 10/29/2019 6:54 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

EXISTING ASPHALTIC CONCRETE PAVEMENT EXISTING BASE AGGREGATE DENSE 1 1/4-INCH EXISTING BACKFILL GRANULAR, GRADE 1 EXISTING CONCRETE CURB AND GUTTER, 30-INCH, TYPE D

EXISTING CONCRETE CURB AND GUTTER, 18-INCH, TYPE D

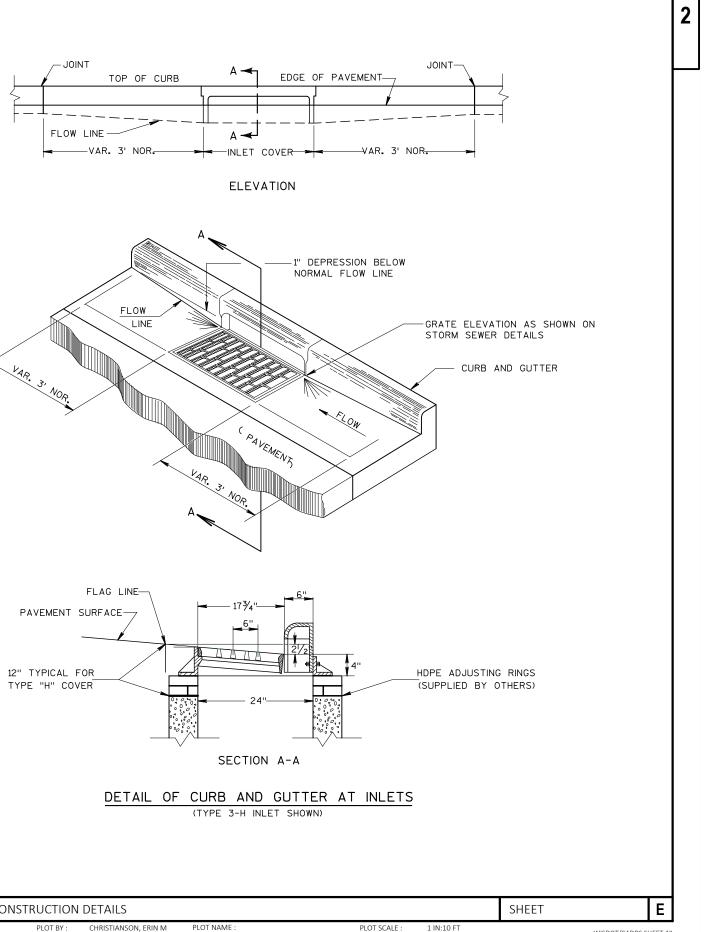
SHEET

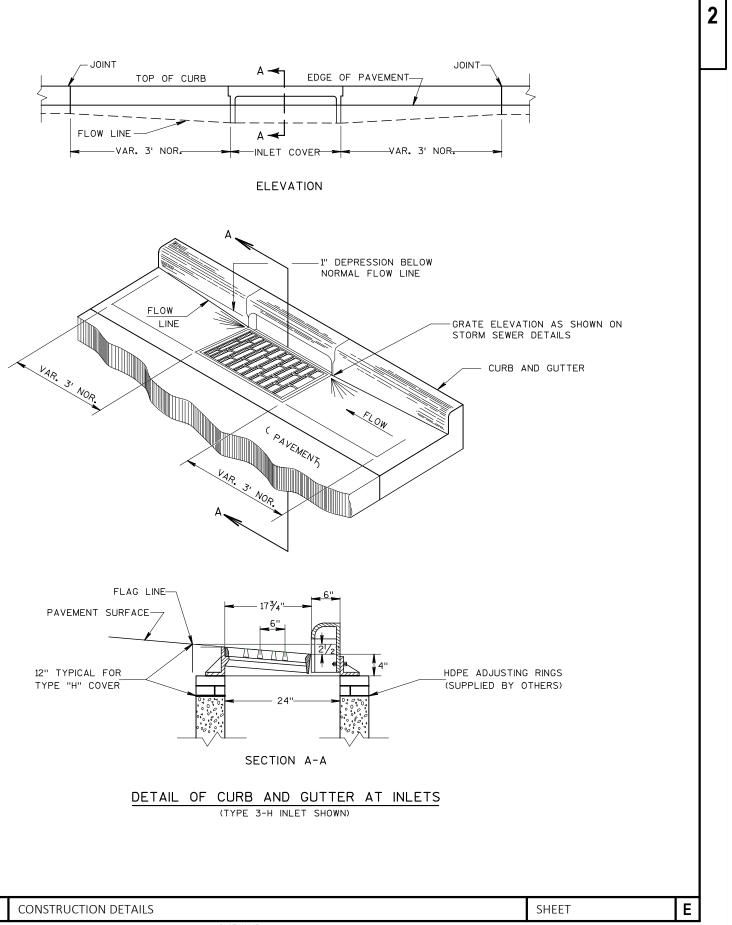
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FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\020301-TS.DWG LAYOUT NAME - 02

PLOT BY : CHRISTIANSON, ERIN M PLOT DATE : PLOT NAME 1/6/2020 10:02 AM





RUNOFF	COEFFICIENT	TABLE
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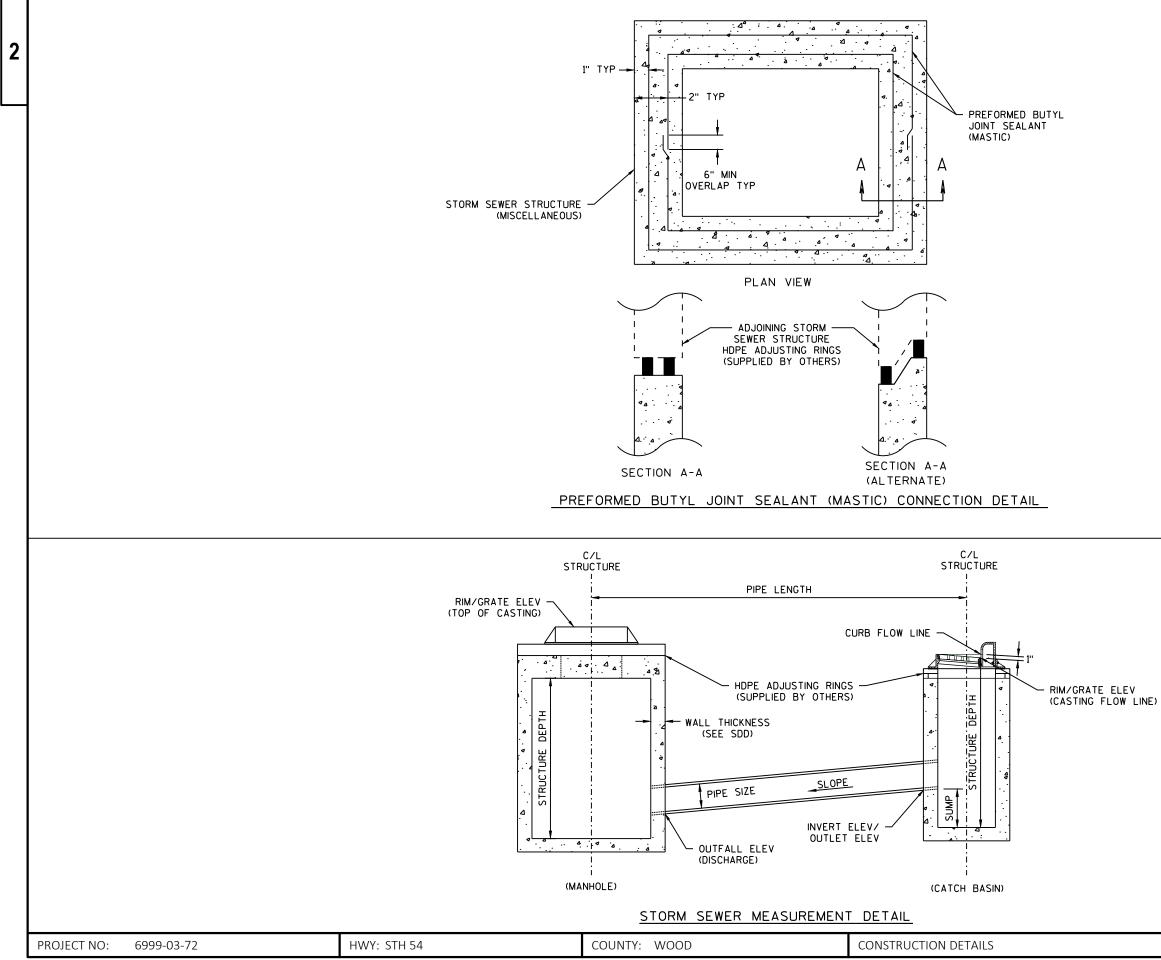
		HYDROLOGIC SOIL GROUP											
		A			В			С			D		
	SLOPE	RANGE	(PERCENT)	SLOPE	RANGE	(PERCENT)	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		(PERCENT)	
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56	
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30		.20 .27	.25 .32	.30 .40	
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38	
PAVEMENT:													
ASPHALT						.7095							
CONCRETE						.8095							
BRICK	3RICK .7080												
DRIVES, WALKS						.7585							
ROOFS						.7595							
GRAVEL ROADS,	SHOULDE	RS				.4060							

TOTAL PROJECT AREA = 0.176 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.015 ACRES

PROJECT NO: 6999-03-72	HWY: STH 54	COUNTY: WOOD		CONSTRUCTION	DETAILS	
FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\021001-CD.DWG		PLOT DATE : 10/2	29/2019 7:04 AM	PLOT BY :	CHRISTIANSON, ERIN M	PLOT NAME :

FILE NA LAYOUT NAME - 01

1 IN:10 FT



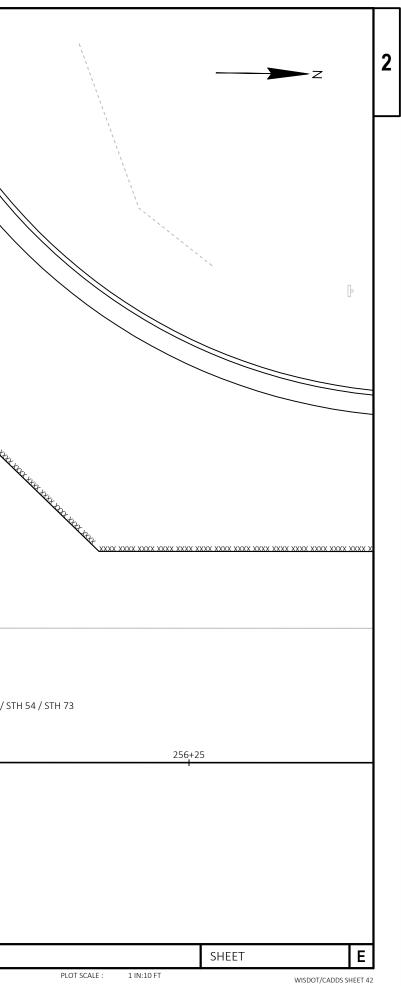
FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 02 PLOT DATE : 10/29/2019 7:04 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :

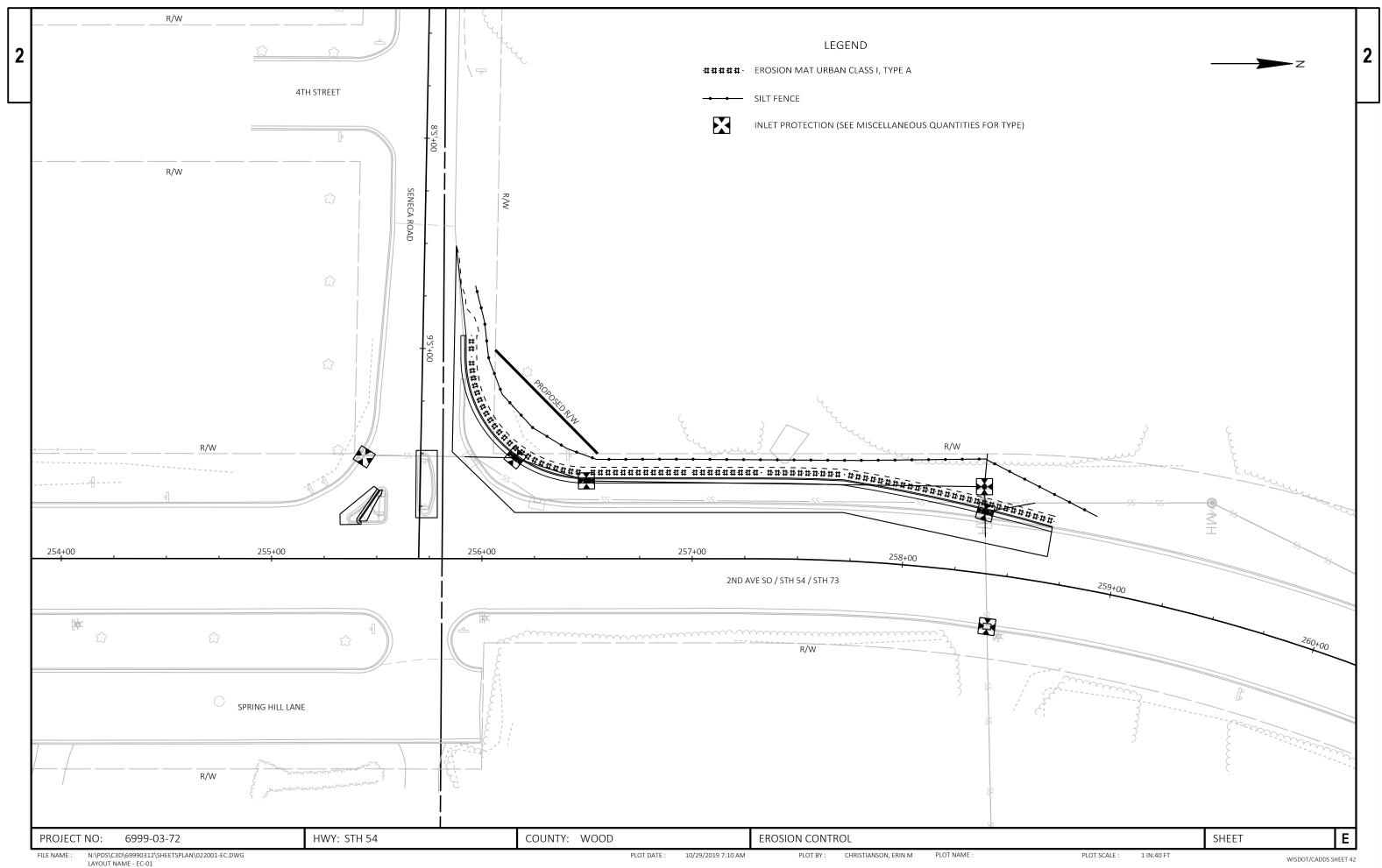
2

WISDOT/CADDS SHEET 42

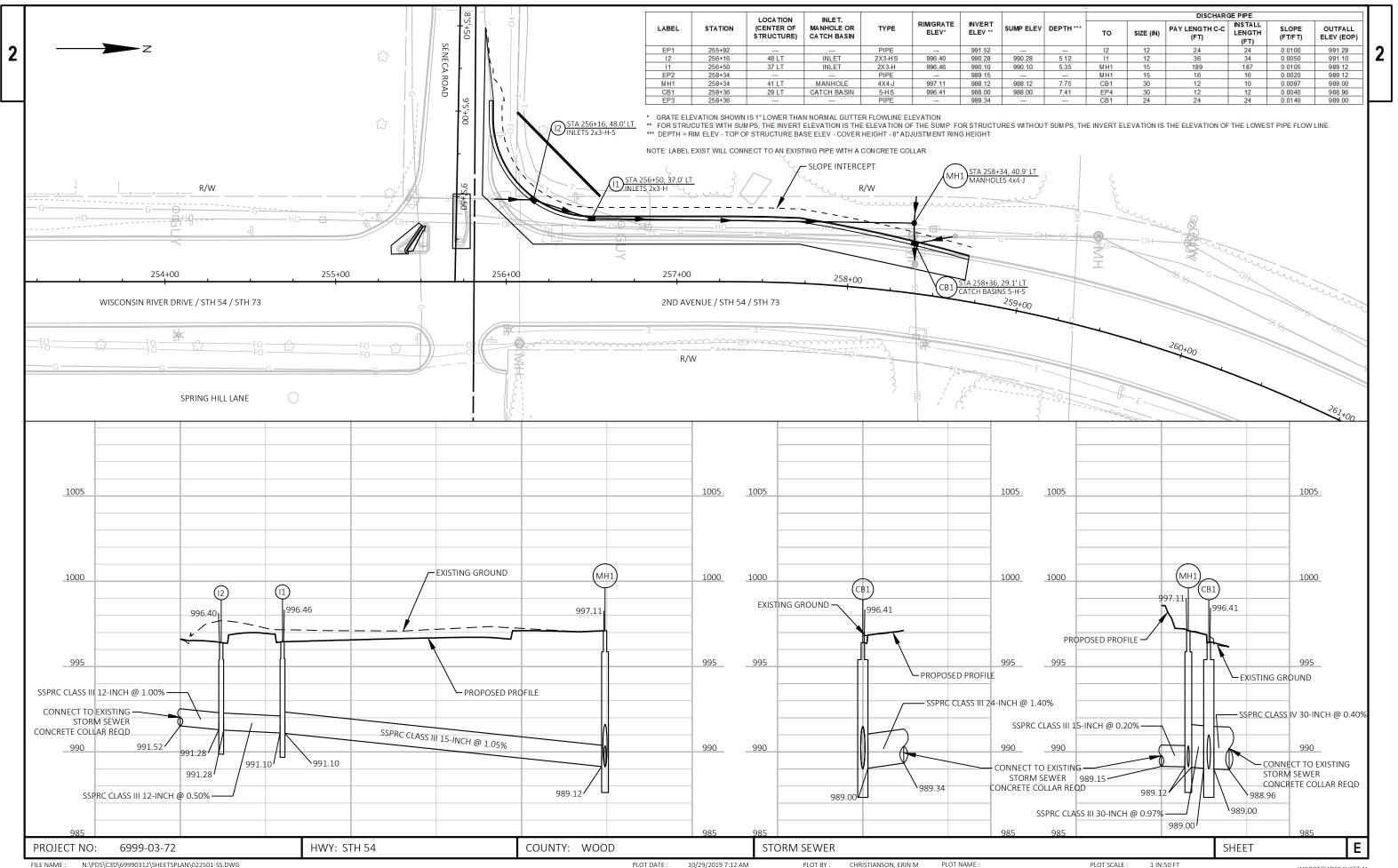
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LEGEND 			SENECA ROAD	99 92 1-225 1-225 1-255 1-2	
		ALL NAME AND A DESCRIPTION OF A DESCRIPT	9'5'+75		
	WISCONSIN RIVER DRIVE / STH 54 / STH 73				2ND AVE S
255+00	255+25	255+50		255+75	256+00
PROJECT NO: 6999-03-72	HWY: STH 54	COUNTY: WOOD		PLAN DETAILS	





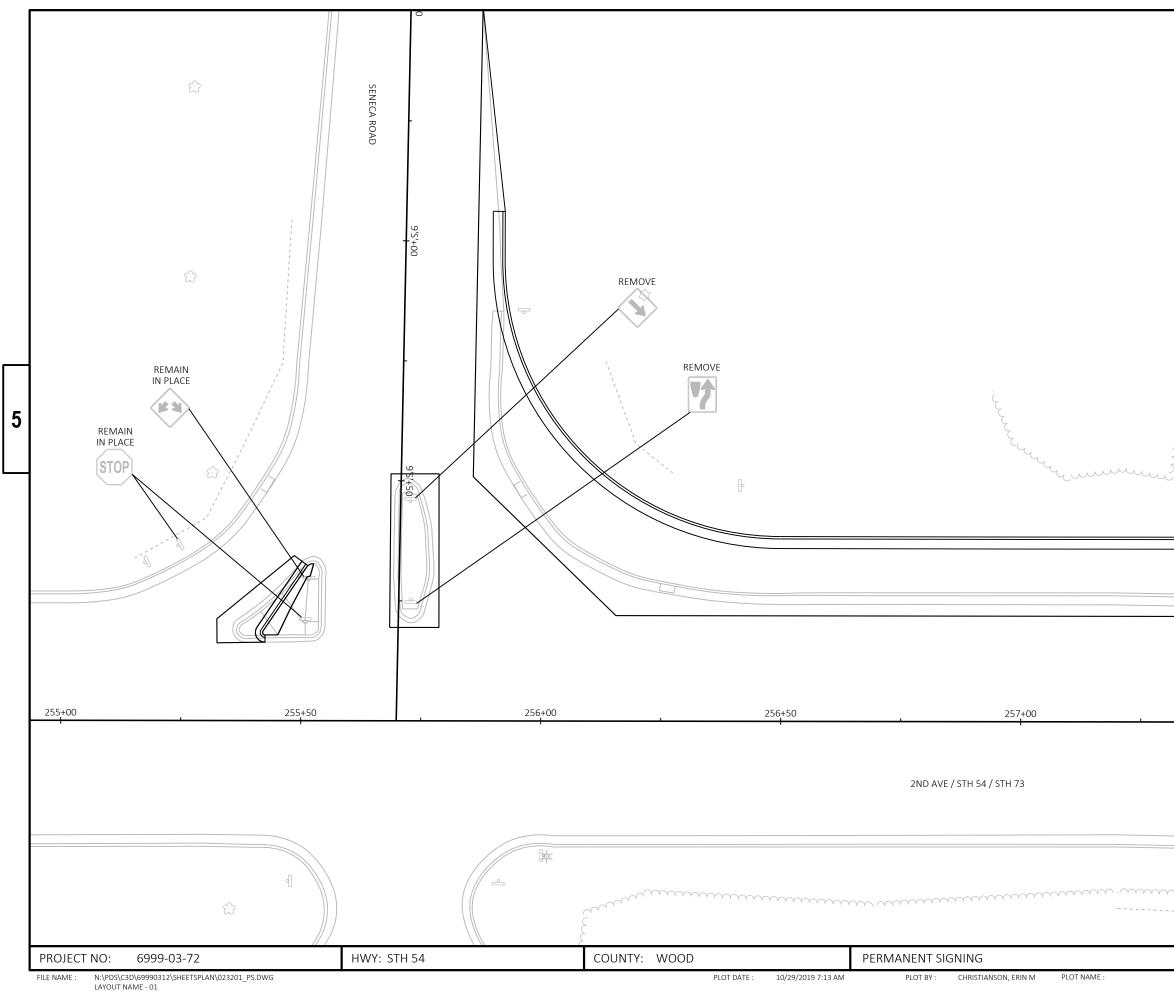
<sup>10/29/2019 7:10</sup> AM



LAYOUT NAME - 01-ss

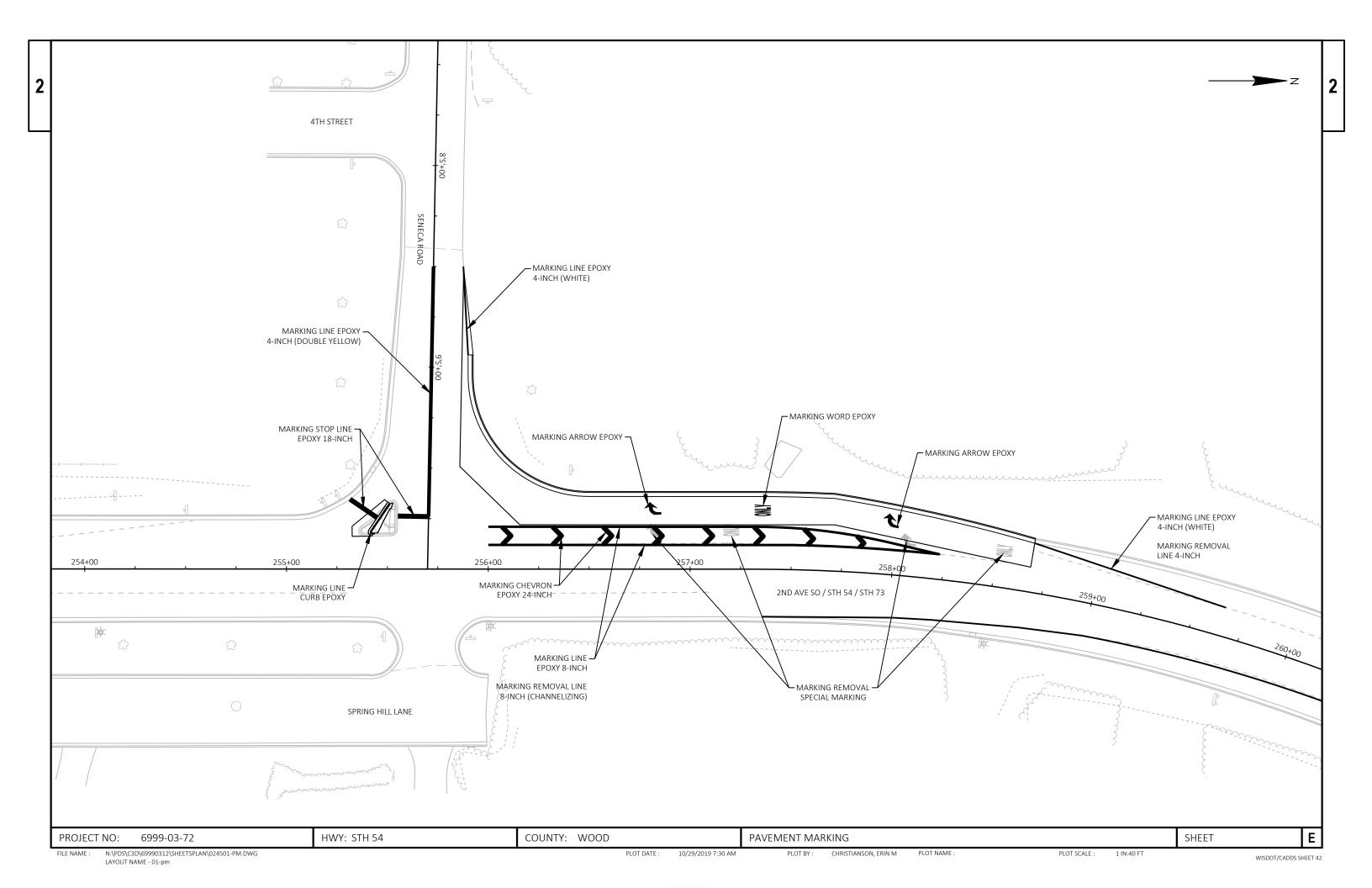
PLOT BY : CHRISTIANSON, ERIN M 10/29/2019 7:12 AM

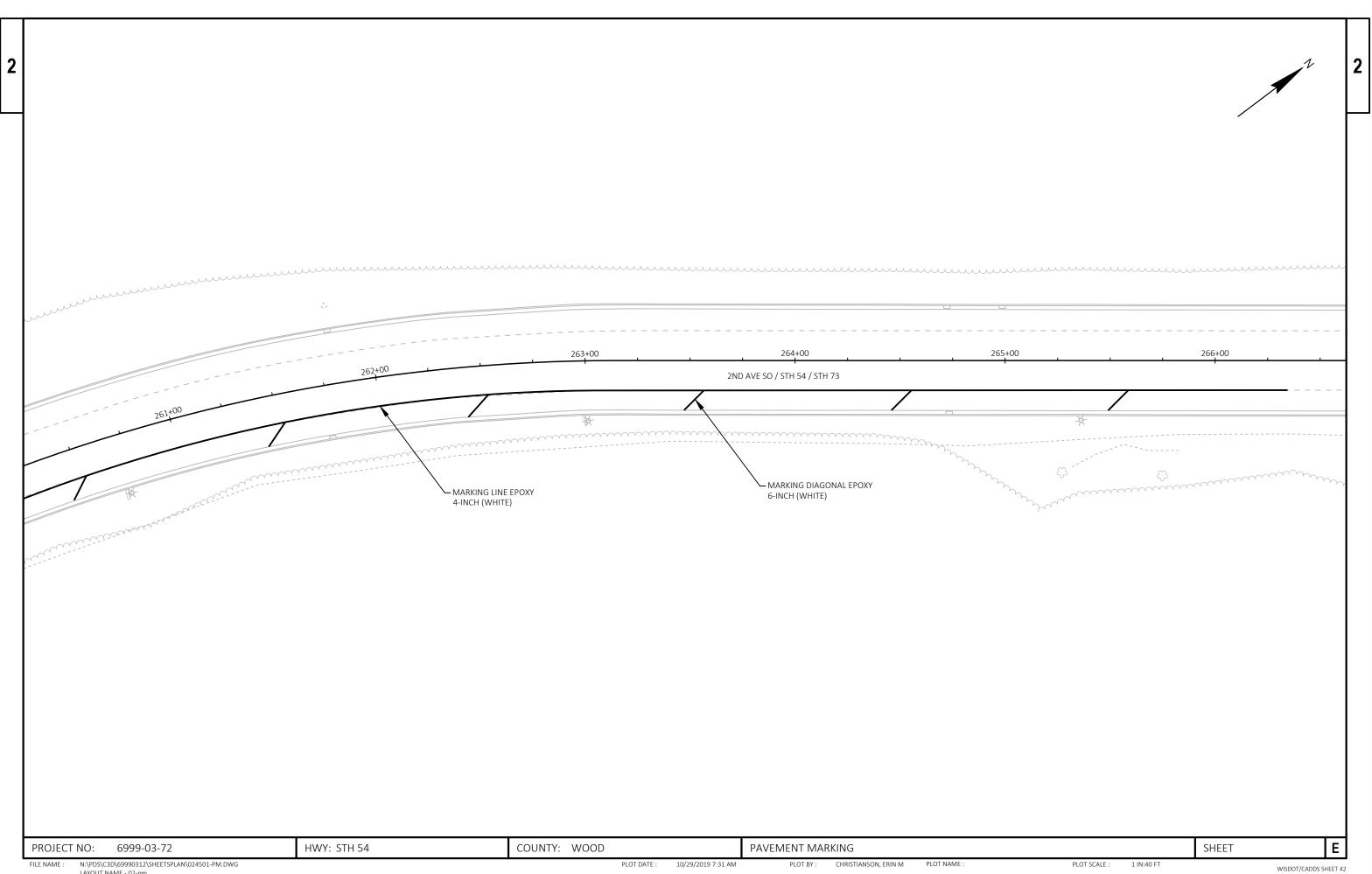
WISDOT/CADDS SHEET 41



10/29/2019 7:13 AM

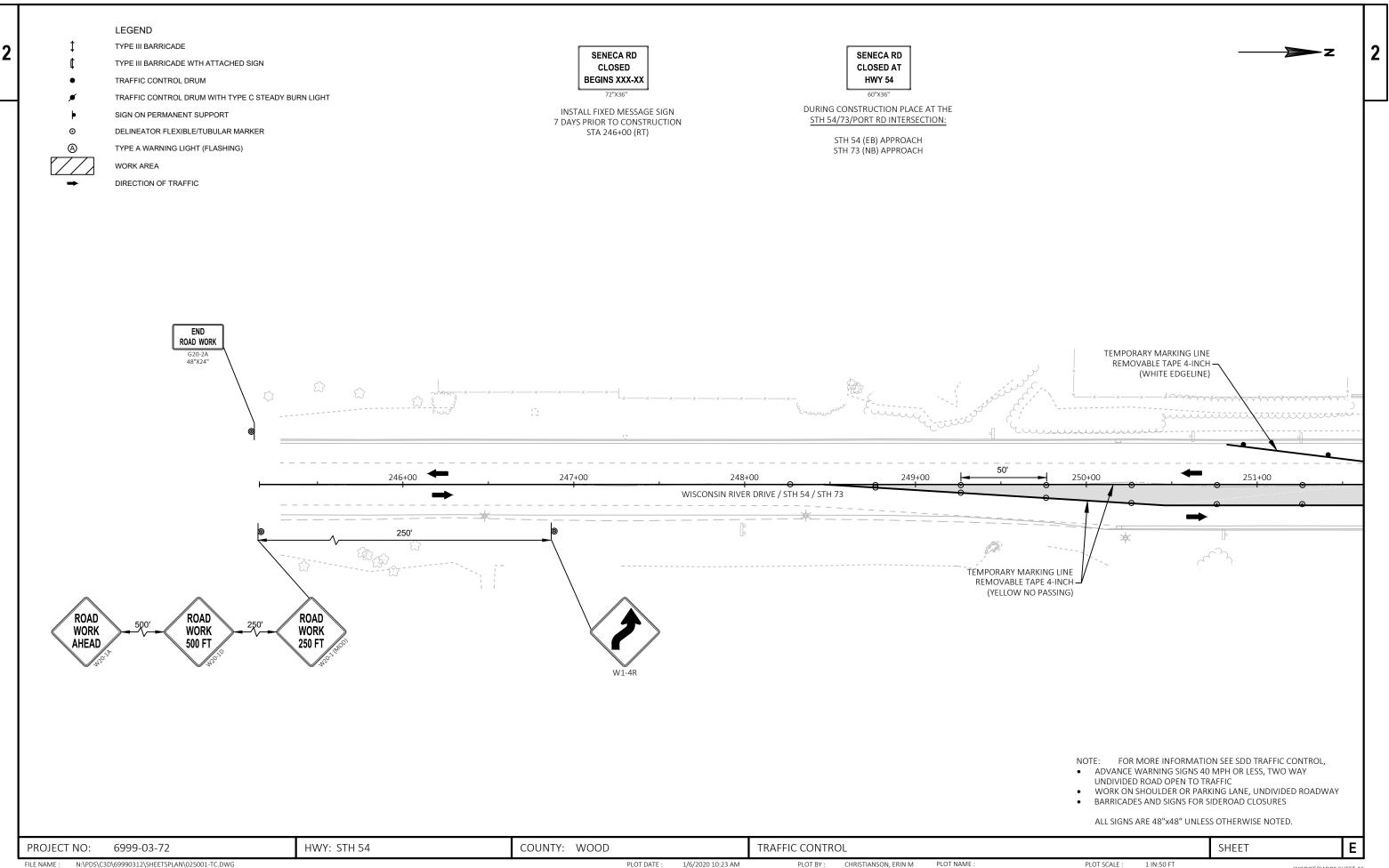
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257+50		250.00	
		258+00	
	SHEET	E	
PLOT SCALE : 1 IN:20 FT		WISDOT/CADDS SHEET 44	1





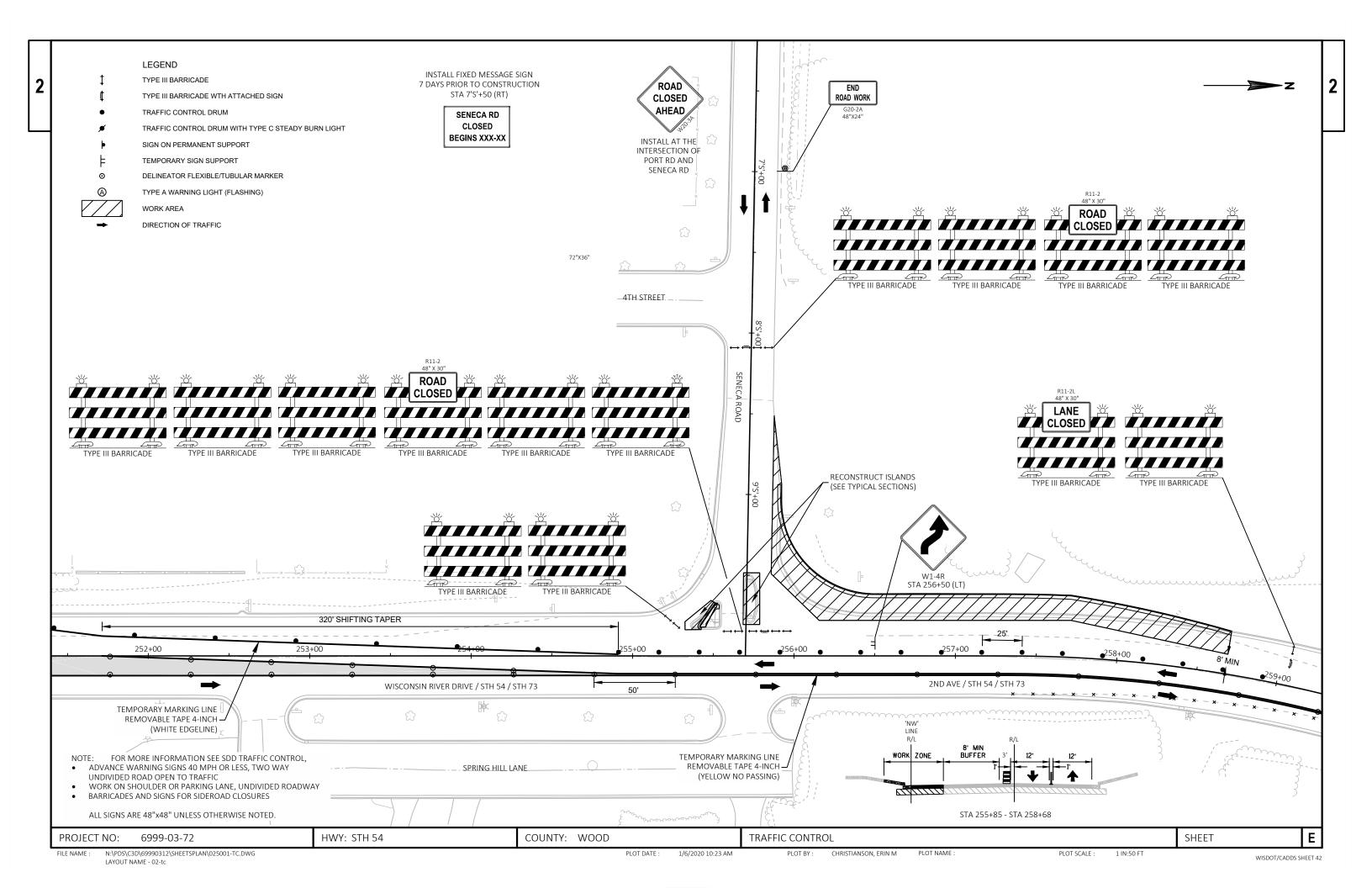
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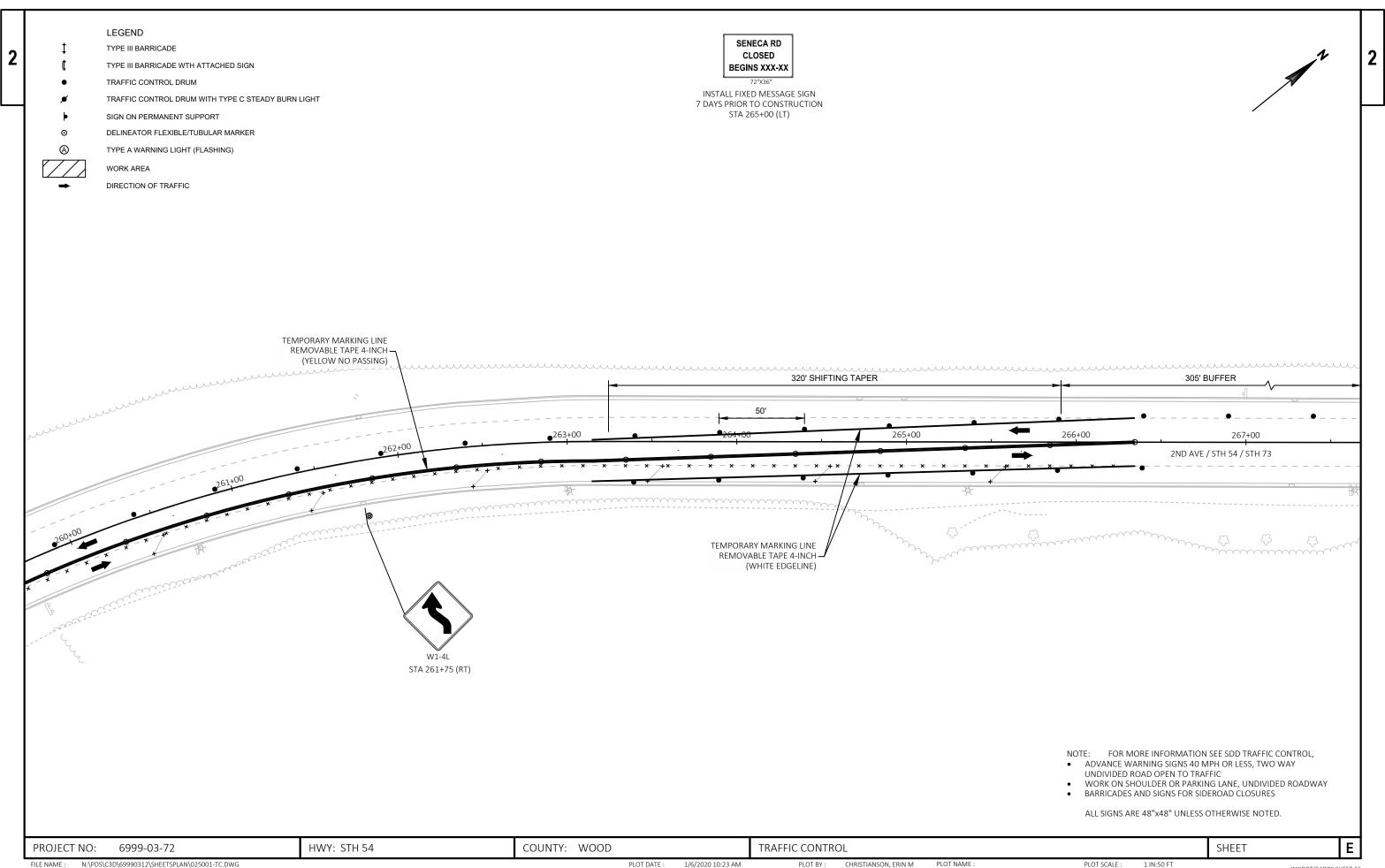
PLOT BY : CHRISTIANSON, ERIN M PLOT NAME : PLOT DATE : 10/29/2019 7:31 AM

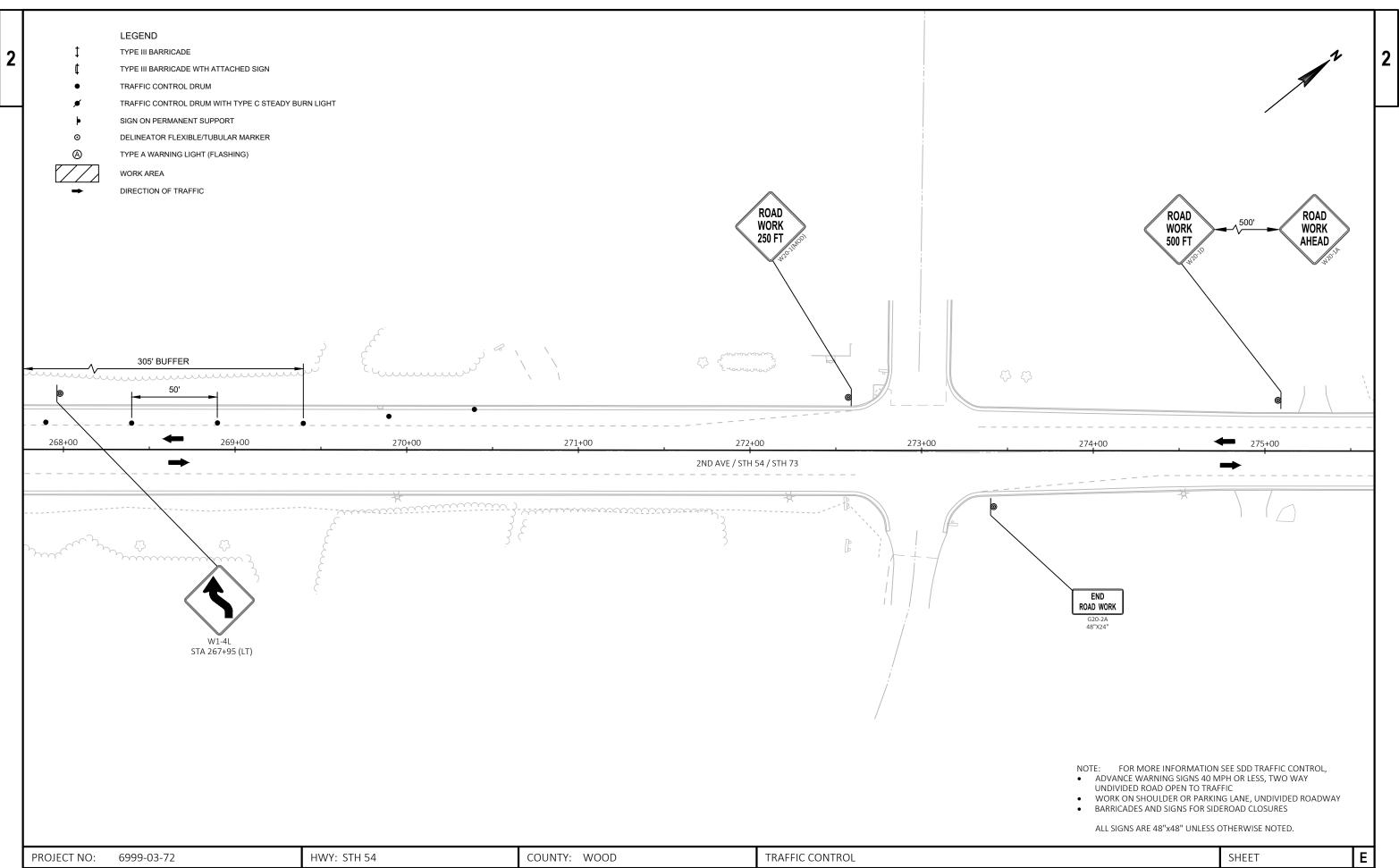


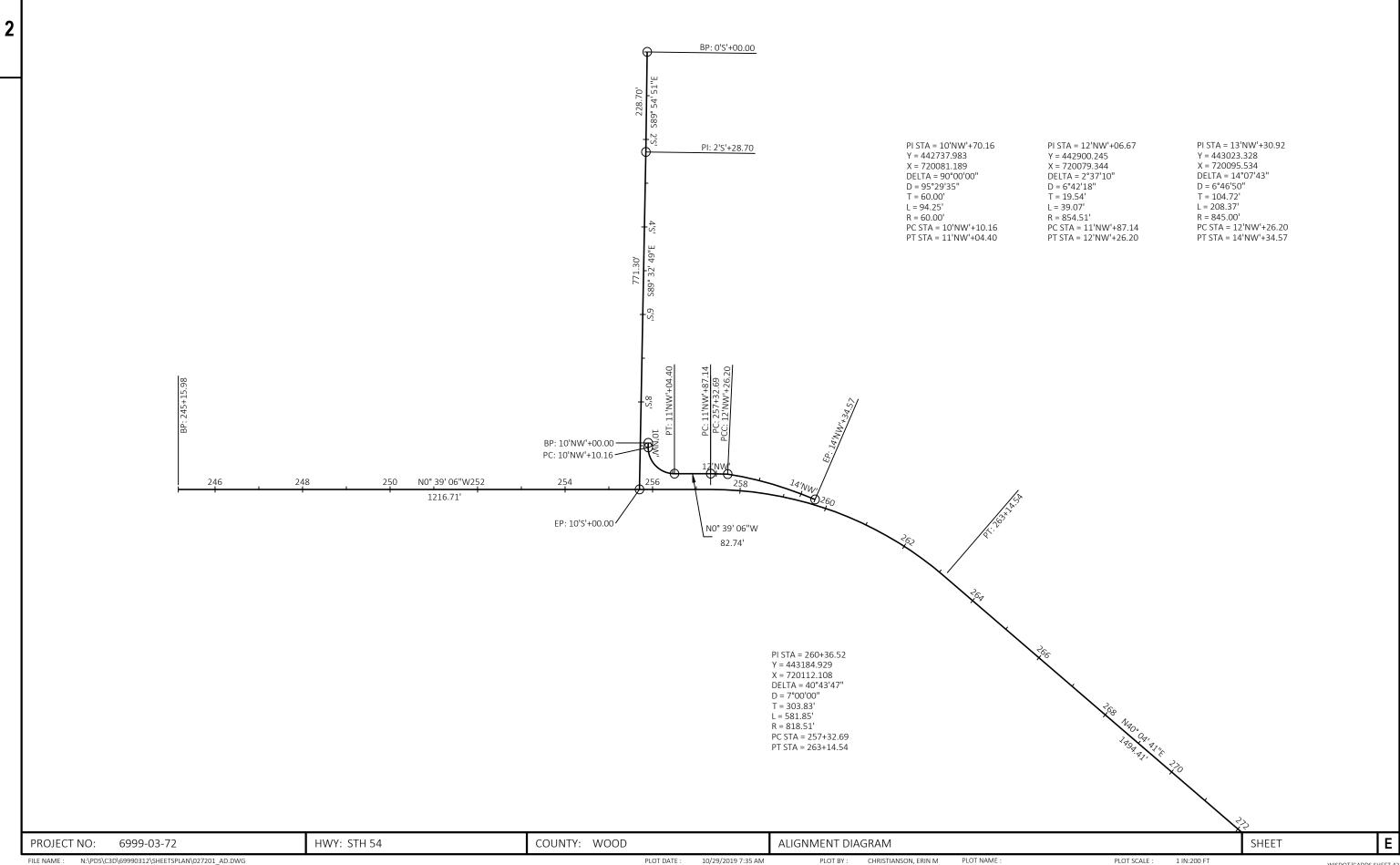
FILE NAME : N:\PDS\C3D\69990312\SHEETSPLAN\025001-TC.DWG LAYOUT NAME - 01-tc

PLOT DATE : 1/6/2020 10:23 AM PLOT BY : CHRISTIANSON, ERIN M PLOT NAME :









					Estimate Of	Quantities
					6999-03-72	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0110	Removing Asphaltic Surface	SY	21.000	21.000	
0004	204.0150	Removing Curb & Gutter	LF	420.000	420.000	
0006	204.0155	Removing Concrete Sidewalk	SY	17.000	17.000	
8000	204.0210	Removing Manholes	EACH	1.000	1.000	
0010	204.0220	Removing Inlets	EACH	3.000	3.000	
0012	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	36.000	36.000	
0014	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	218.000	218.000	
0016	204.0245	Removing Storm Sewer (size) 03. 24-Inch	LF	10.000	10.000	
0018	204.0245	Removing Storm Sewer (size) 04. 30-Inch	LF	12.000	12.000	
0020	205.0100	Excavation Common	CY	984.000	984.000	
0022	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	200.000	200.000	
0024	209.1500	Backfill Granular Grade 1	TON	1,025.000	1,025.000	
0026	213.0100	Finishing Roadway (project) 01. 6999-03-72	EACH	1.000	1.000	
0028	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	415.000	415.000	
0030	455.0605	Tack Coat	GAL	29.000	29.000	
0032	460.2000	Incentive Density HMA Pavement	DOL	130.000	130.000	
0034	460.5224	HMA Pavement 4 LT 58-28 S	TON	191.000	191.000	
0036	520.8000	Concrete Collars for Pipe	EACH	4.000	4.000	
0038	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	346.000	346.000	
0040	602.0415	Concrete Sidewalk 6-Inch	SF	40.000	40.000	
0042	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12- Inch	LF	60.000	60.000	
0044	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15- Inch	LF	205.000	205.000	
0046	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24- Inch	LF	24.000	24.000	
0048	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30- Inch	LF	12.000	12.000	
0050	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30- Inch	LF	12.000	12.000	
0052	611.0530	Manhole Covers Type J	EACH	1.000	1.000	
0054	611.0624	Inlet Covers Type H	EACH	1.000	1.000	
0056	611.0639	Inlet Covers Type H-S	EACH	2.000	2.000	
0058	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000	
0060	611.2044	Manholes 4x4-FT	EACH	1.000	1.000	
0062	611.3230	Inlets 2x3-FT	EACH	2.000	2.000	
0064	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	190.000	190.000	
0066	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6999-03-72	EACH	1.000	1.000	
0068	619.1000	Mobilization	EACH	1.000	1.000	

01/07/2020	10:55:50
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Page 1



					Estimate Of	Quantities
					6999-03-72	
Line	Item	Item Description	Unit	Total	Qty	
0070	624.0100	Water	MGAL	5.000	5.000	
0072	625.0100	Topsoil	SY	210.000	210.000	
0074	628.1504	Silt Fence	LF	400.000	400.000	
0076	628.1520	Silt Fence Maintenance	LF	400.000	400.000	
0078	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000	
0080	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0082	628.2006	Erosion Mat Urban Class I Type A	SY	200.000	200.000	
0084	628.7005	Inlet Protection Type A	EACH	3.000	3.000	
0086	628.7015	Inlet Protection Type C	EACH	6.000	6.000	
0088	629.0210	Fertilizer Type B	CWT	0.130	0.130	
0090	630.0140	Seeding Mixture No. 40	LB	4.000	4.000	
0092	630.0500	Seed Water	MGAL	5.000	5.000	
0094	638.2602	Removing Signs Type II	EACH	2.000	2.000	
0096	638.3000	Removing Small Sign Supports	EACH	2.000	2.000	
0098	642.5001	Field Office Type B	EACH	1.000	1.000	
0100	643.0300	Traffic Control Drums	DAY	1,320.000	1,320.000	
0102	643.0420	Traffic Control Barricades Type III	DAY	336.000	336.000	
0104	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	49.000	49.000	
0106	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	49.000	49.000	
0108	643.0705	Traffic Control Warning Lights Type A	DAY	672.000	672.000	
0110	643.0715	Traffic Control Warning Lights Type C	DAY	72.000	72.000	
0112	643.0900	Traffic Control Signs	DAY	408.000	408.000	
0114	643.1000	Traffic Control Signs Fixed Message	SF	84.000	84.000	
0116	643.5000	Traffic Control	EACH	1.000	1.000	
0118	646.1020	Marking Line Epoxy 4-Inch	LF	1,297.000	1,297.000	
0120	646.3020	Marking Line Epoxy 8-Inch	LF	448.000	448.000	
0122	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000	
0124	646.5120	Marking Word Epoxy	EACH	1.000	1.000	
0126	646.6120	Marking Stop Line Epoxy 18-Inch	LF	31.000	31.000	
0128	646.7020	Marking Diagonal Epoxy 6-Inch	LF	82.000	82.000	
0130	646.7220	Marking Chevron Epoxy 24-Inch	LF	95.000	95.000	
0132	646.8120	Marking Curb Epoxy	LF	20.000	20.000	
0134	646.9000	Marking Removal Line 4-Inch	LF	1,002.000	1,002.000	
0136	646.9100	Marking Removal Line 8-Inch	LF	274.000	274.000	
0138	646.9300	Marking Removal Special Marking	EACH	4.000	4.000	
0140	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	4,640.000	4,640.000	
0142	650.4000	Construction Staking Storm Sewer	EACH	4.000	4.000	
0144	650.4500	Construction Staking Subgrade	LF	251.000	251.000	
0146	650.5000	Construction Staking Base	LF	491.000	491.000	
0148	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	346.000	346.000	

Estimate Of Quantities

01/07/202	20 10:55:50	
	_,	
Page	2	3

6999-03-72
Line Item Description Unit Total Qty
0150 650.9910 Construction Staking Supplemental Control (project) 01. LS 1.000 1.000 6999-03-72
0152 650.9920 Construction Staking Slope Stakes LF 407.000 407.000
0154 690.0150 Sawing Asphalt LF 529.000 529.000
0156 690.0250 Sawing Concrete LF 40.000 40.000
0158 ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR HRS 150.000 150.000
0160 ASP.1T0G On-the-Job Training Graduate at \$5.00/HR HRS 300.000 300.000

# 01/07/2020 10:55:50 Page 3

STATION - STATION L 9'S'+49 - 9'S'+81 SE	NG ASPHALTIC SURFACE 204.0110 LOCATION SY REMARKS ENECA ROAD 13 CENTER ISLANE ENECA ROAD 8 TURN LANE ISLANE TOTAL 21		_	<u>RE</u> STATION LC 258+35 ST	CATION H 54 (LT				
STATION - STATION LOC 9'S'+14 - 258+68 STH 9'S'+50 - 9'S'+80 SENE	AG CURB & GUTTER    204.0150    CATION  LF    154 (LT)  324    CA ROAD  67  CENTER ISLAND    CA ROAD  29  TURN LANE ISLAND    TOTAL  420	22	ATION - STATION LOCA 255+96 - 256+26 STH 5 256+26 - 258+34 STH 5 258+34 - 258+44 STH 5 TC	204.( 12- ATION 54 (LT) 54 (LT) 54 (LT)		STORM SE 204.0245.02 15-INCH LF 212 6 <b>218</b>	WER 204.0245.03 24-INCH LF  10 <b>10</b>	204.0245.04 30-INCH LF  12 <b>12</b>	REMARKS
STATION - STATION LOC 9'S'+52 - 9'S'+77 SENE	CONCRETE SIDEWALK    204.0155    CATION  SY    REMARKS    CA ROAD  12    CA ROAD  5    TURN LANE ISLAND    TOTAL  17			STATION 255+95 256+25 258+35	LOCAT STH 54 STH 54 STH 54	(LT) 1	20	<u>S</u>	

PLOT NAME : 030201\_mq/ppt

			EXCA		MMON					
	DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION CY (1)	AVAILABLE I MATERIAL CY (5)	MASS ORDINATE +/- CY (14)	WASTE CY	REMARKS		
	DIVISION 1	8'S'+51 - 258+67.45 256+15.49 - 9'S'+77	STH 54 SENECA ROAD	876 107	876 107	876 107	876 107			
			TOTALS	984	984	984	984			
	(5) AVAILABLE M/ (14) THE MASS O	CAVATION IS THE SUM ( ATERIAL = CUT - SALVA RDINATE + OR - QTY C DIVISION. MINUS INDIC/	GED/UNUSUABLE ALCULATED FOR	PAVEMENT N THE DIVISION	/IATERIAL I. PLUS QUAN	TITY INDICATES		S OF MATERIAL		
	AVATION, HAULING, A PETROLEUM CONTAN							TACK COAT	<u>-</u>	
		205.0501.S TON REMARKS						455.06 LOCATION GAL		
	Y 0020 56+50 STH 54; 22' LT 57+30 STH 54; 22' LT	84 116				9'S'+49		STH 54 (LT) 26 SENECA ROAD 2 SENECA ROAD 1 TOTAL 29	CENTER ISLAND REM TURN LAND ISLAN	
	TOTAL	200						TOTAL 29		
	BACKFILL GRANULA	R GRADE 1						<u>HMA PAVEMENT 4 L</u>	<u>T 58-28 S</u>	
STATION -	2 STATION LOCATION	09.1500 TON REMARKS				STATION	- STATION	460.52 LOCATION TON		
256+16 - 256+50 -		84 941	_			9'S'+49		STH 54 (LT)174SENECA ROAD12SENECA ROAD5	CENTER ISLAND REM TURN LANE ISLAN	-
	TOTAL	1025						TOTAL 191		
BAS	E AGGREGATE DEN	SE 1 1/4-INCH				(	CONCRET	E CURB & GUTTER	<u>30-INCH TYPE D</u>	
STATION - STAT		5.0120 FON REMARKS				STATIO	N - STATIO	601.0 N LOCATION L		_
8'S'+93 - 258+6 9'S'+49 - 9'S'+8 9'S'+67 - 9'S'+8	81 SENECA ROÁD	408 4 CENTER ISLAN 3 TURN LAND ISLA					93 - 258+67 97 - 9'S'+84	( )	25 11 TURN LANE ISLAND	
	TOTAL	415						TOTAL 34	46	
PROJECT NO: 6999-03-72	HWY: STH 54		COUNTY: WOOD	I	MIS	SCELLANEOUS G	UANTITIES	5		SHEE

PLOT DATE: 1/6/2020 10:22 AM PLOT BY : EMC PLOT NAME: 030201\_mq/ppt

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LOCATION	MESS		TRAFFIC CON SIGN		6	<u>.</u> 643.0900		S		STATION	N		AFFIC COI	NTROL SIG
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24	72 SEE	TRAFFIC CONTROL SHEETS	3
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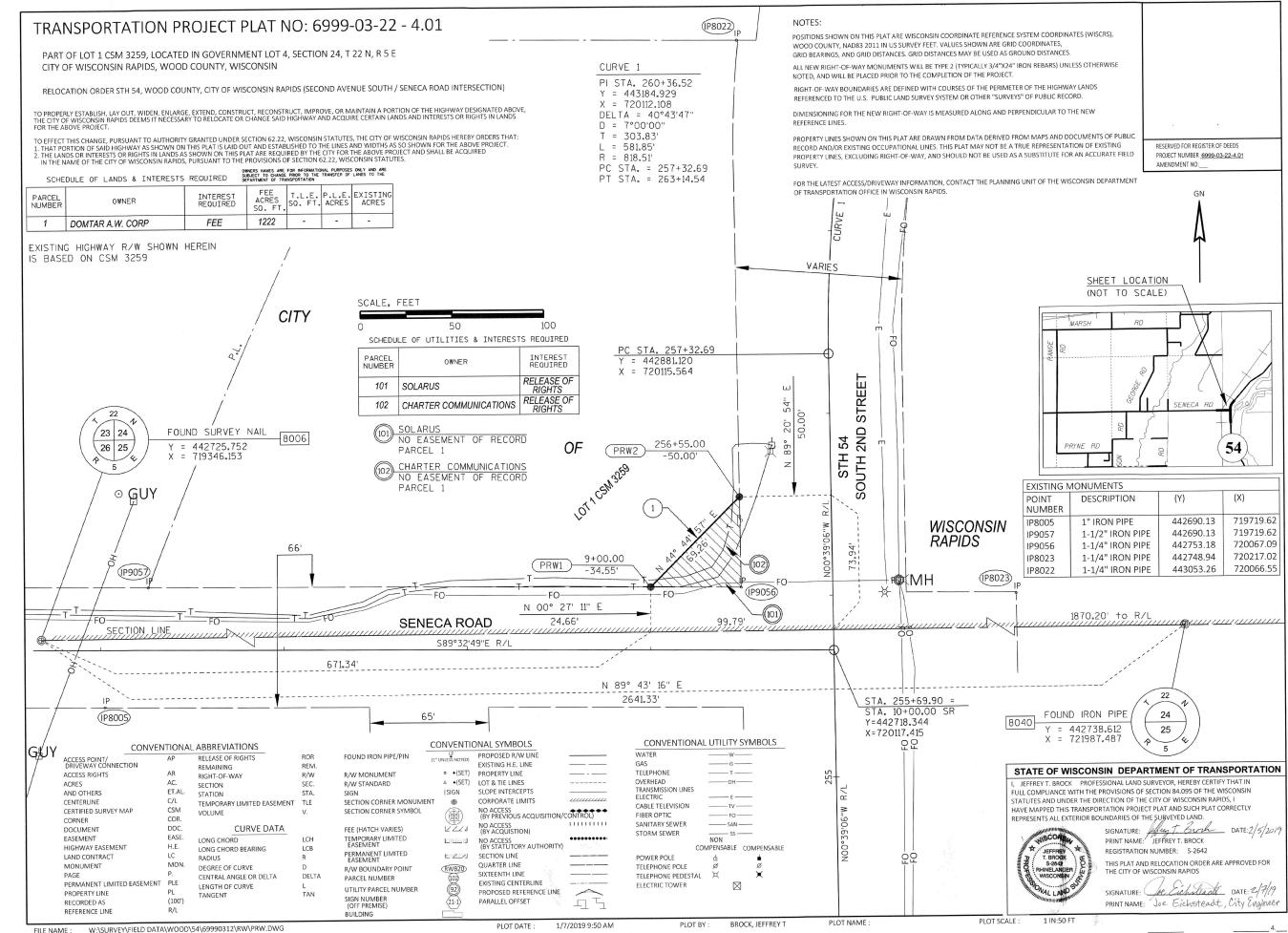
STATION - STATION	C/L DO YEL		646.3020 646.5 8-INCH ARR EPOXY EPO LF EAC	OW WORD XY EPOXY	) LINE DI EPOXY	EPOXY EF 6-INCH 24		Y TAPE 4-INC	NE .E	_
248+45 - 266+35 250+80 - 254+90 256+00 - 258+25	STH 54 (LT) - STH 54 -		  448 2	 1	 	 	  95	3580 410 	C/L NO PASSING EDGELINE	
- 258+67 - 259+65 257+35 - 266+35 263+10 - 266+35 8'S'+50 - 9'S'+75	STH 54 (RT) - STH 54 -	100 902  50 45	 	 	   15	82 	  	  650 	EDGELINE	_
9'S'+67 - 9'S'+84	SENECA ROAD -		448 2		16		20 95 20		TURN LANE ISLANI	)
	TOTALS	1297	448 2	1	31	82	95 20	4640	_	
<u>STATION - STATION</u> LOCATION 256+48 - 258+40 STH 54 (LT) 258+67 - 259+65 STH 54 (LT) 257+35 - 266+35 STH 54 (RT)	646.9000 646.9100 4-INCH 8-INCH M LF LF 192 100 902 82 .S 1002 274	646.9300 * SPECIAL MARKING EACH REMAR 4   <b>4</b> WS AND TWO WOF				2 8'S'+5 9'S'+4	19 - 9'S'+81		AWING    690.0150  690.0250    ASPHALT  CONCRETE    LF  LF     3    407     84     38  37    529  40	REMARKS CENTER ISLAND TURN LANE ISLAND
			CONST	RUCTION S	TAKING					
	STATION - STATION		RM 650.4500 ER SUBGRADE	650.5000 BASE LF	650.5500 CURB GUT AND CURB & GUT LF	ter Supple Con Iter (6999	9-03-72) STA	.9920 OPE AKES _F REMARKS	_	
	8'S'+93 - 258+67 256+16 - 258+67 8'S'+50 - 258+67 9'S'+49 - 9'S'+81 9'S'+67 - 9'S'+84	STH 54 (LT)  4    STH 54 (LT)     STH 54 (LT)     STH 54 (LT)     STH 54 (LT)     STH 54 (LT)	251  	 407 84 	325   21			 07 	-	
		TOTALS 4	-	491	346			07		
PROJECT NO: 6999-03-72    HW      EILE NAME : N: IPDS: \/030200, mg ppty    HW	Y: STH 54	COUNTY	Y: WOOD	ATE · 1/6/2020 10:22						SHEET:

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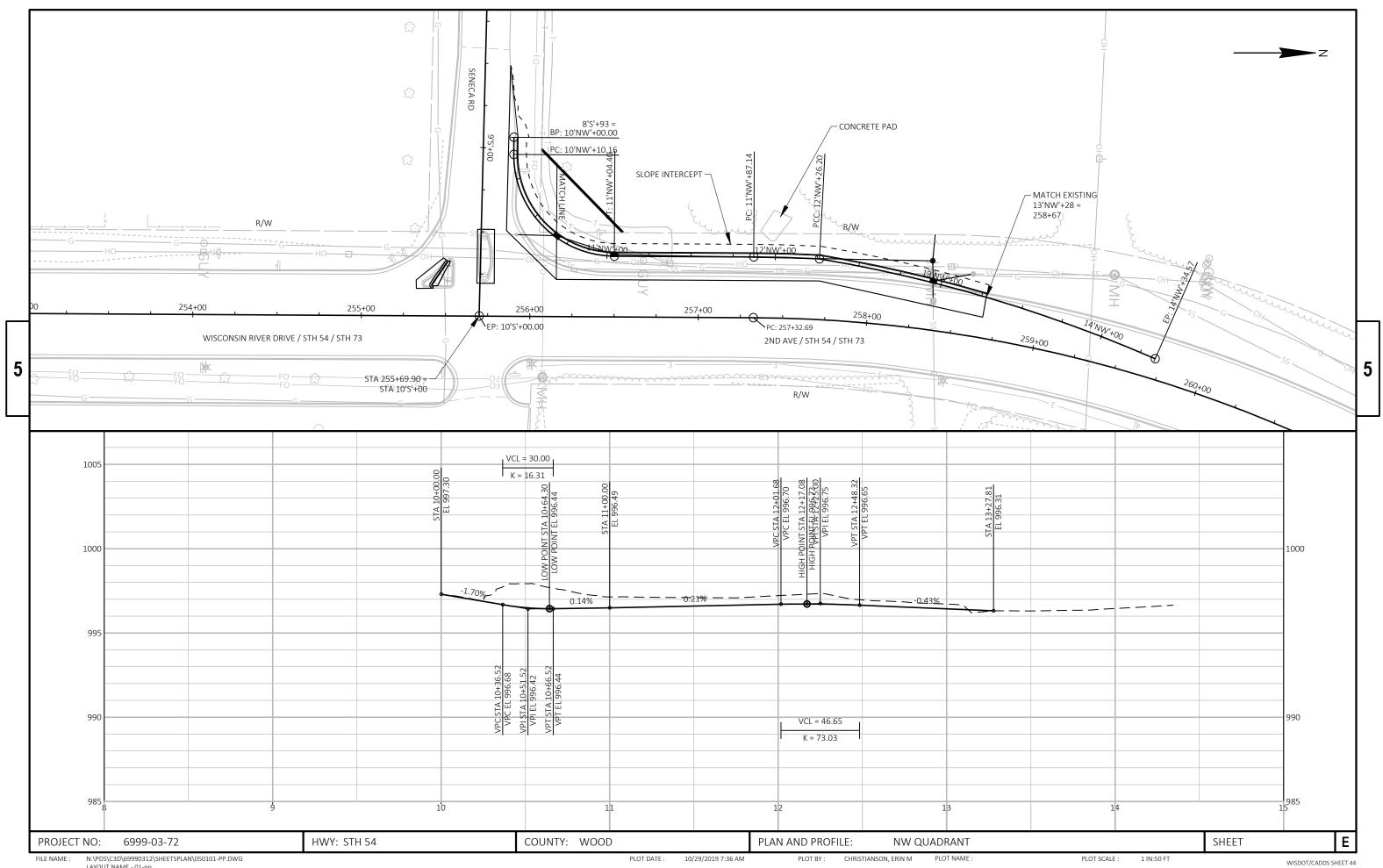
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PLOT DATE: 1/6/2020 10:22 AM PLOT BY : EMC PLOT NAME: 030201\_mq/ppt

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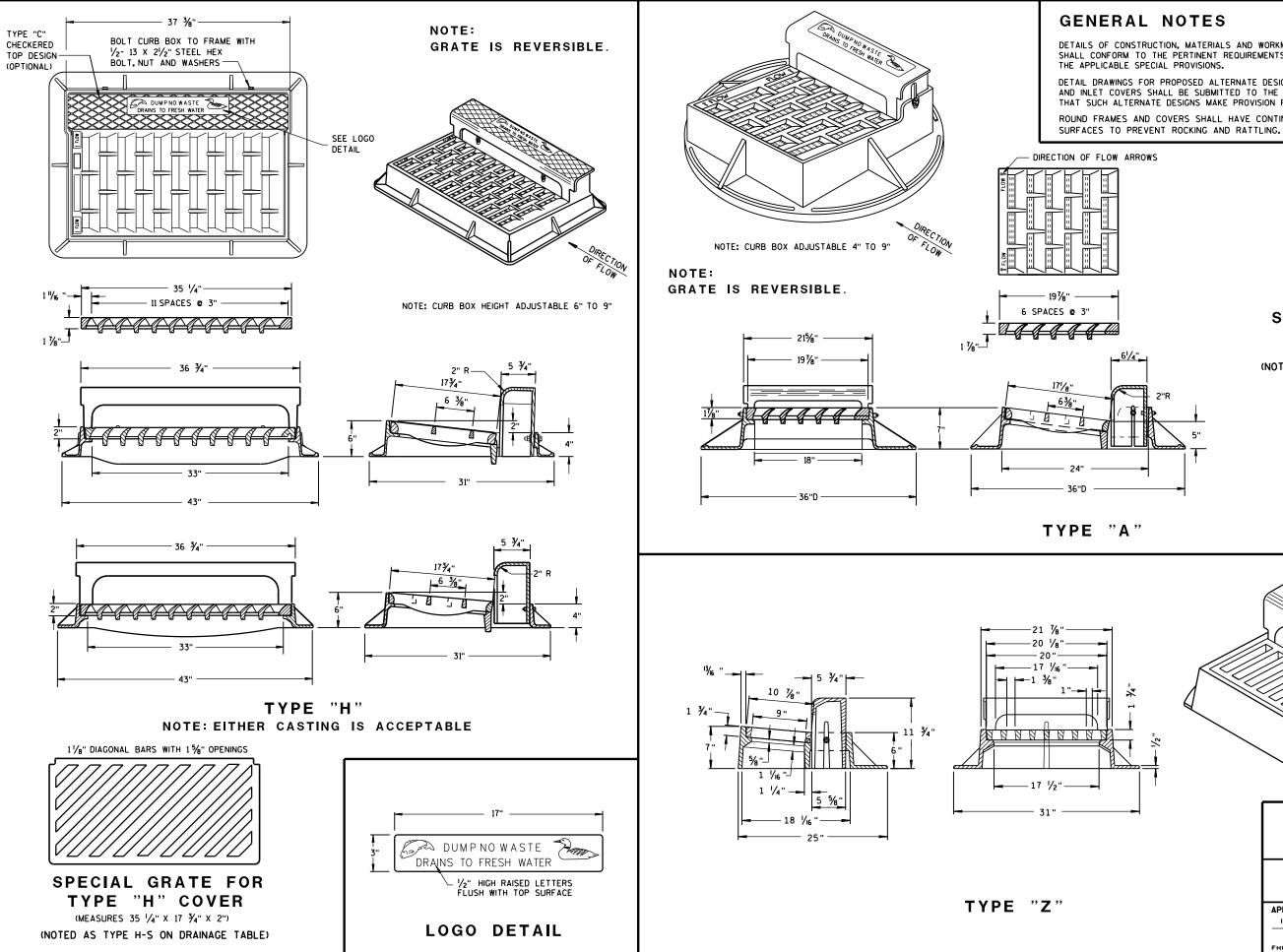
APPRAISAL PLAT DATE :



LAYOUT NAME - 01-pp

## Standard Detail Drawing List

08A05-19A INLET COVERS TYPE A, H, A-S, H-S & Z 08A05-19D INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER 08A08-02 08в10-02 MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT 08D10-02 08C07-02 08D01-20A 08D01-20B INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT CONCRETE CURB & GUTTER CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS 08E09-06 SILT FENCE 08E10-02 INLET PROTECTION TYPE A, B, C AND D 08F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL 15C03-05 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-05 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS 15с07-14в PAVEMENT MARKING WORDS 15c07-14c PAVEMENT MARKING ARROWS 15C08-19A 15C08-19C LONGITUDINAL MARKING (MAINLINE) PAVEMENT MARKING (TURN LANES) 15C11-07A CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST 15С11-07в CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS 15C33-03 15D28-03 15D38-02A STOP LINE AND CROSSWALK PAVEMENT MARKING TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY TEMPORARY TRAFFIC CONTROL SIGN MOUNTING 15D38-02B ATTACHMENT OF SIGNS TO POSTS

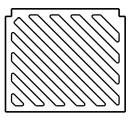


DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING

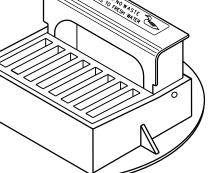
1" DIAGONAL BARS WITH 11/2" OPENINGS



## SPECIAL GRATE FOR

TYPE "A" COVER (MEASURES 19 ⅔4" X 17" X 1 ⅔" (NOTED AS TYPE A-S ON DRAINAGE TABLE)

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## INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

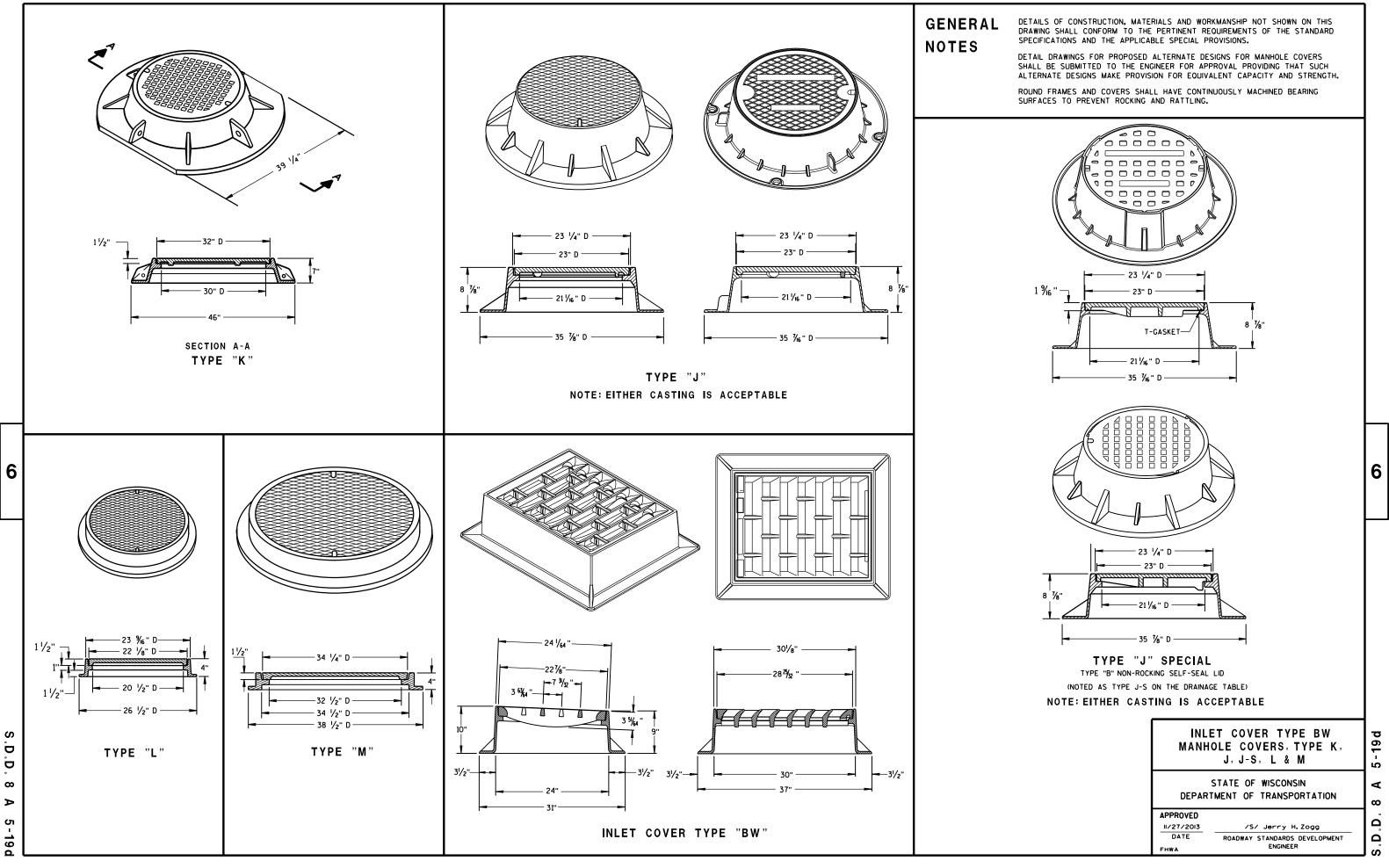
APPROVED 11-27-13 DATE

FHWA

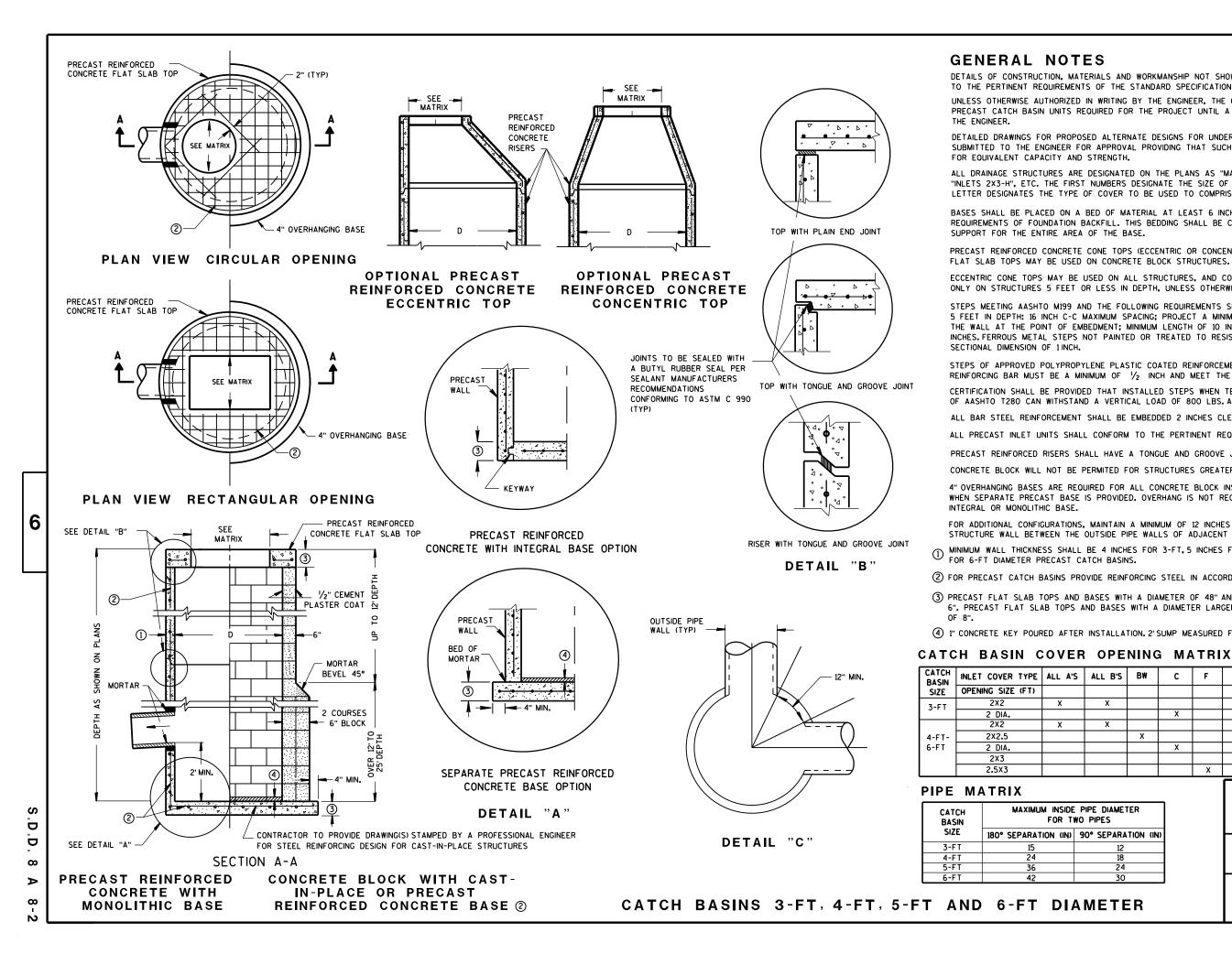
/S/ Jerry H.Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

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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. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT: MINIMUM LENGTH OF 10 INCHES: MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF  $\frac{1}{2}$  INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES

(2) FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

LL B'S	BW	С	F	ALL H'S	s	т	v	WM	Z
Х					х		Х		
		Х							Х
х					X		х		
	х				Х	X	х	X	
		Х							Х
				x					
			X						
			•						

DIAMETER PES
SEPARATION (IN)
12
18
24
30

## CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED Sept., 2016 DATE

FHWA

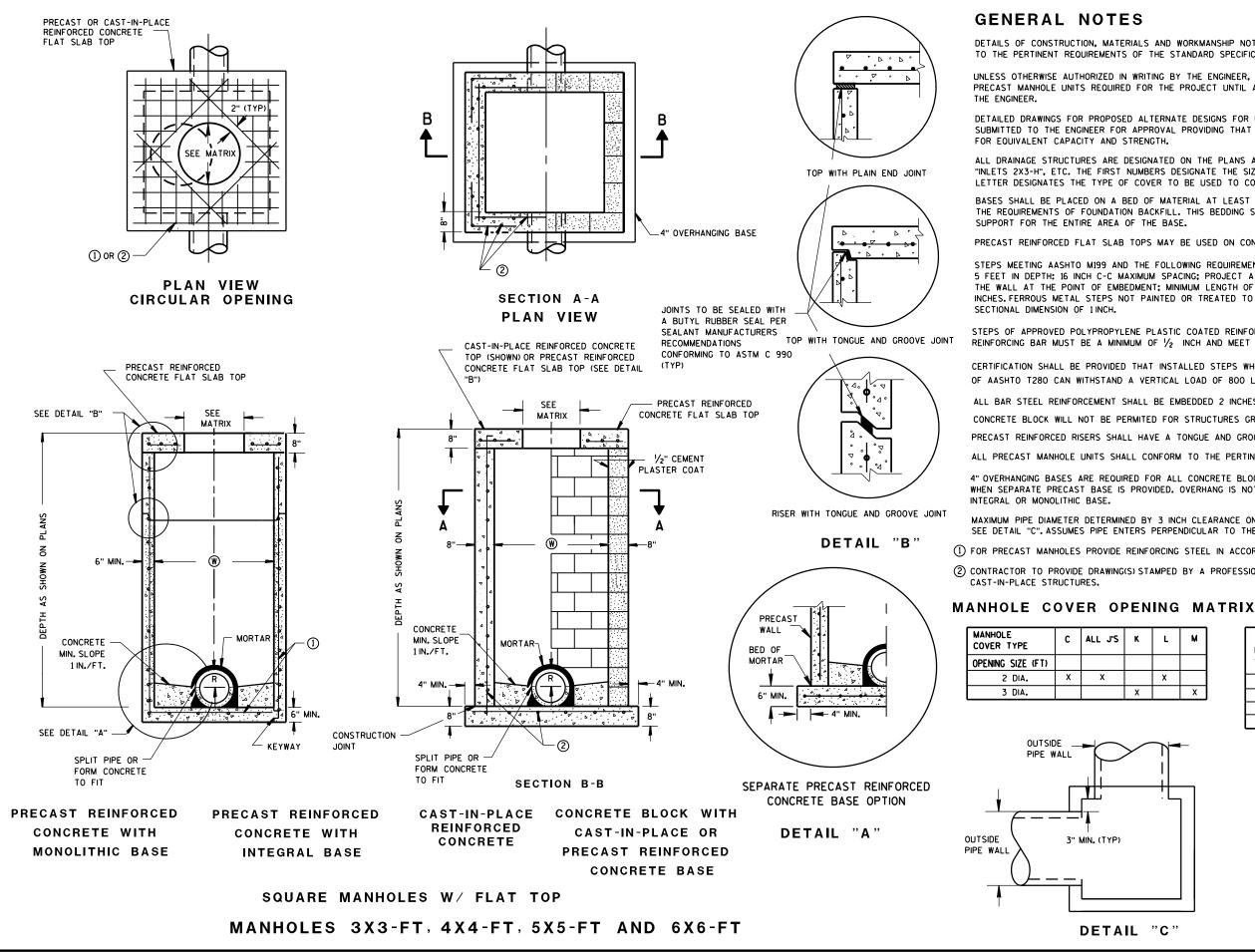
/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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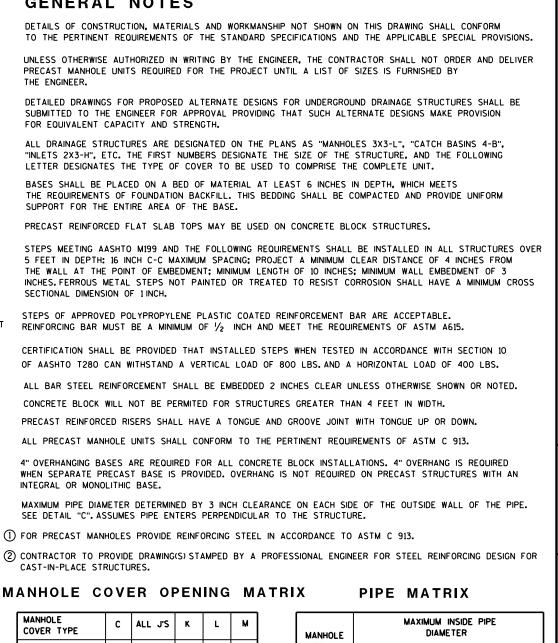
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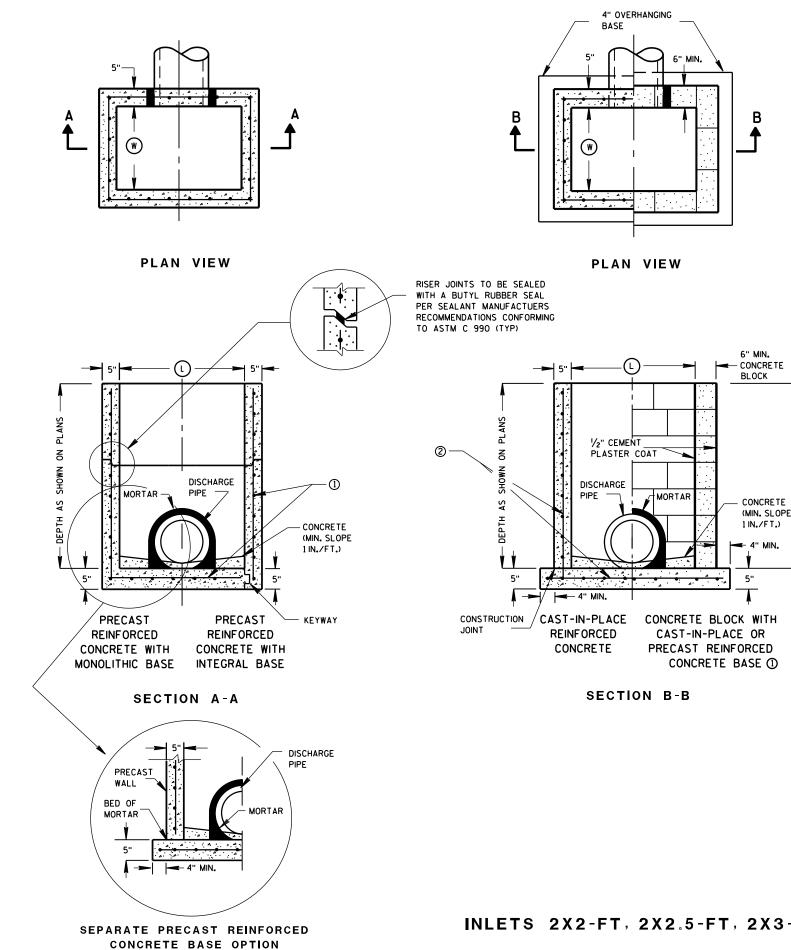
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К		м		MANHOLE SIZE	DIAMETER	
					WIDTH (W) (IN)	LENGTH (IN)
	X			3X3-FT	24	24
Х		X		4X4-FT	30	30
				5X5-FT	42	42
				6X6-FT	54	54
					MANHOLES 3X 5X5-FT AN	
				D	STATE OF WI EPARTMENT OF TF	
				APPROV		
IL "C"				Sept. DAT	E ROADWAY STA	NOARDS DEVELOPMENT SUPERVISOR

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## **GENERAL NOTES**

ENGINEER.

EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

CAST-IN-PLACE STRUCTURES.

## INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	AL
	WIDTH (W)(FT)	LENGTH () (FT)		
2X2-FT	2	2	x	
2X2.5-FT	2	2.5		
2X3-FT	2	3		
2.5X3-FT	2.5	3		

## PIPE MATRIX

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	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24

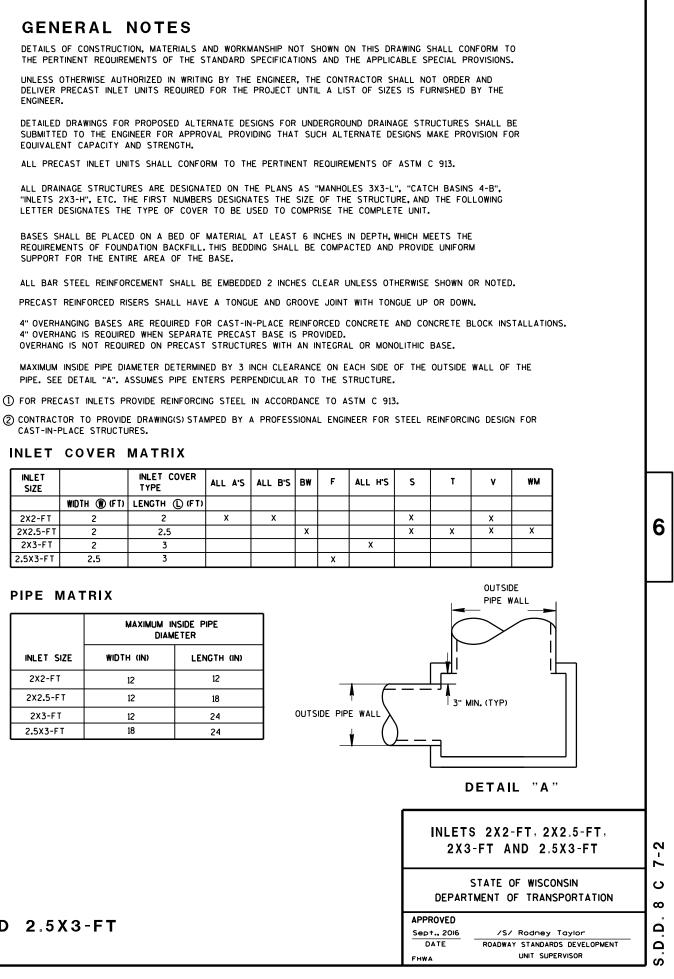
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

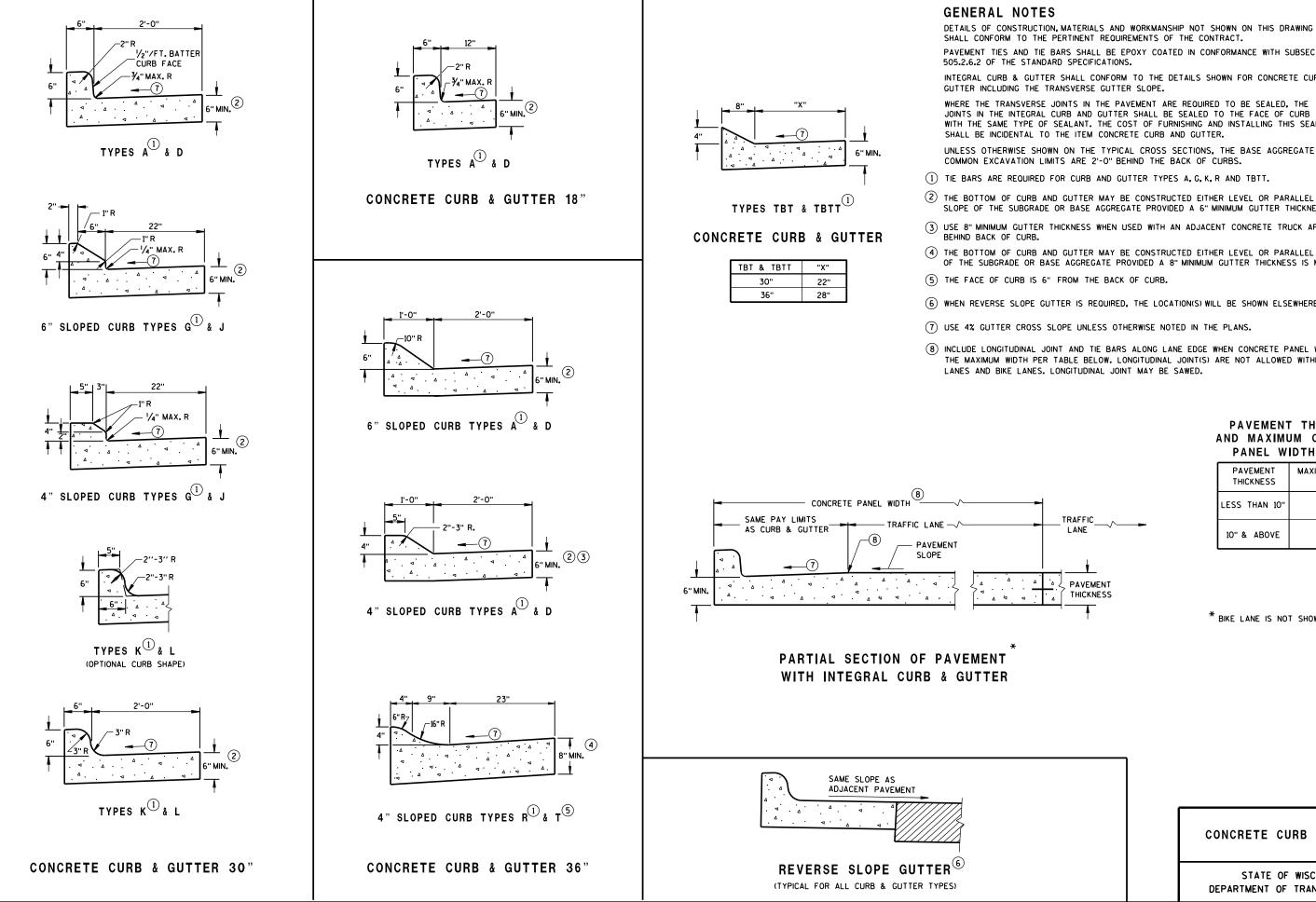
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- SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT. PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION
- INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB &
- WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT
- UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURBS.
- (2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED
- (4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- (8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC

## **PAVEMENT THICKNESS** AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH	
LESS THAN 10"	12'	
10" & ABOVE	15'	

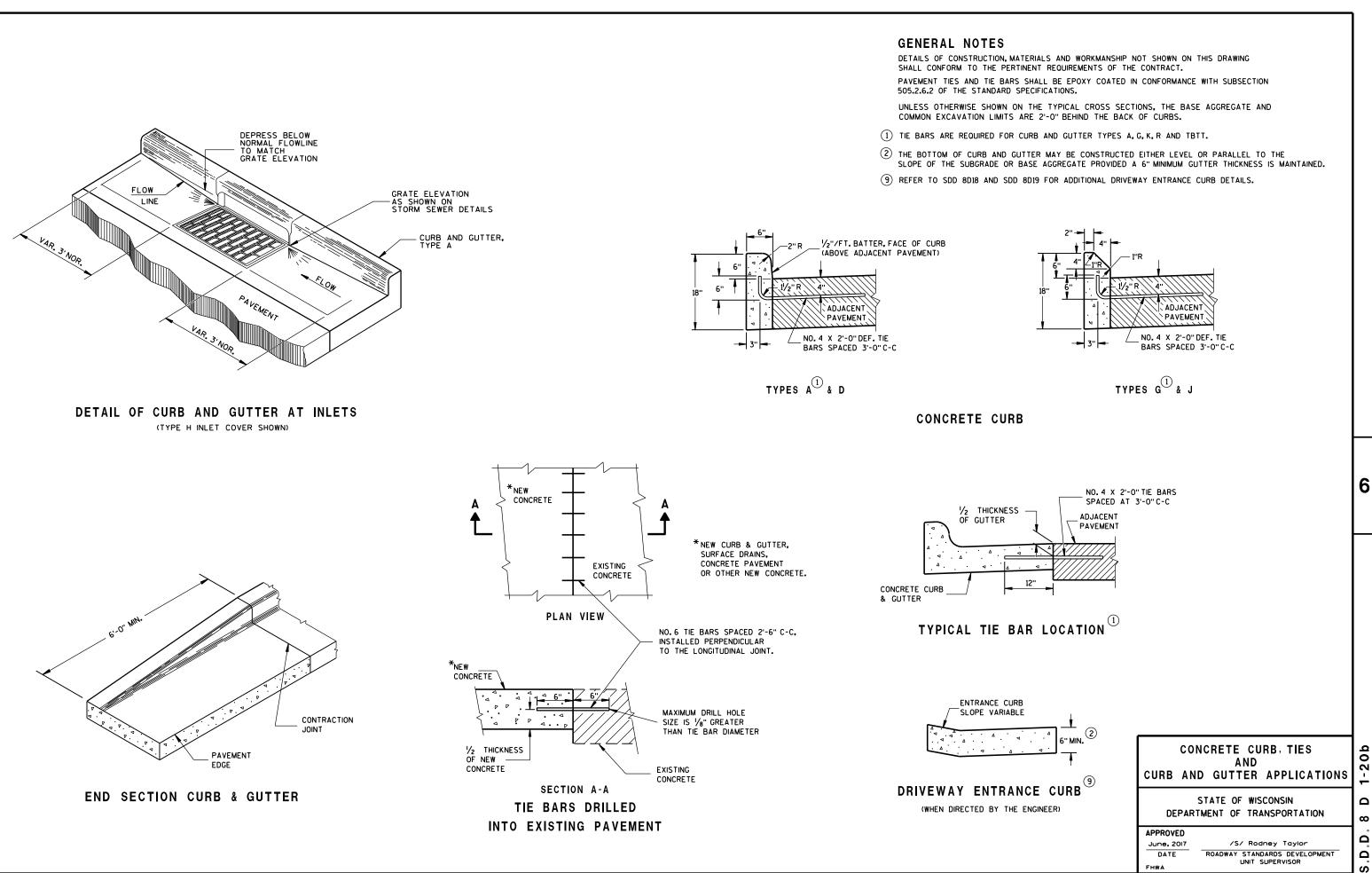
\* BIKE LANE IS NOT SHOWN.

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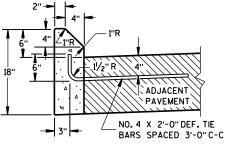
## **CONCRETE CURB & GUTTER**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

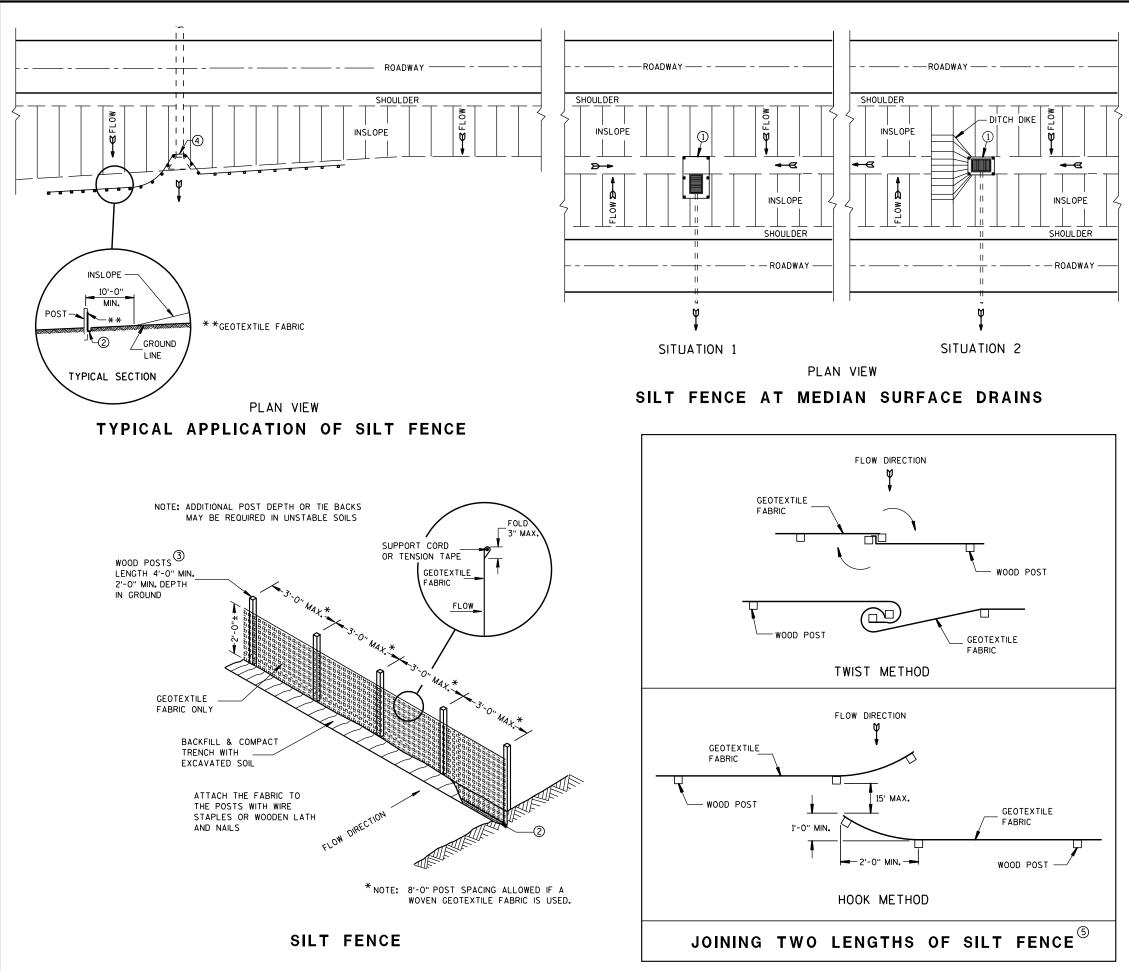


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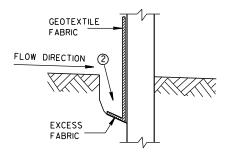
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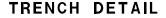
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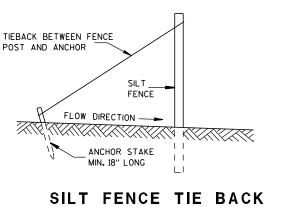
## **GENERAL NOTES**

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

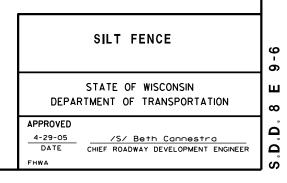
- $\textcircled{\sc 1}$  horizontal brace required with 2" x 4" wooden frame or equivalent at top of posts.
- (2) FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- (3) WOOD POSTS SHALL BE A MINIMUM SIZE OF  $1/_8$ " X  $1/_8$ " OF OAK OR HICKORY.
- (4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

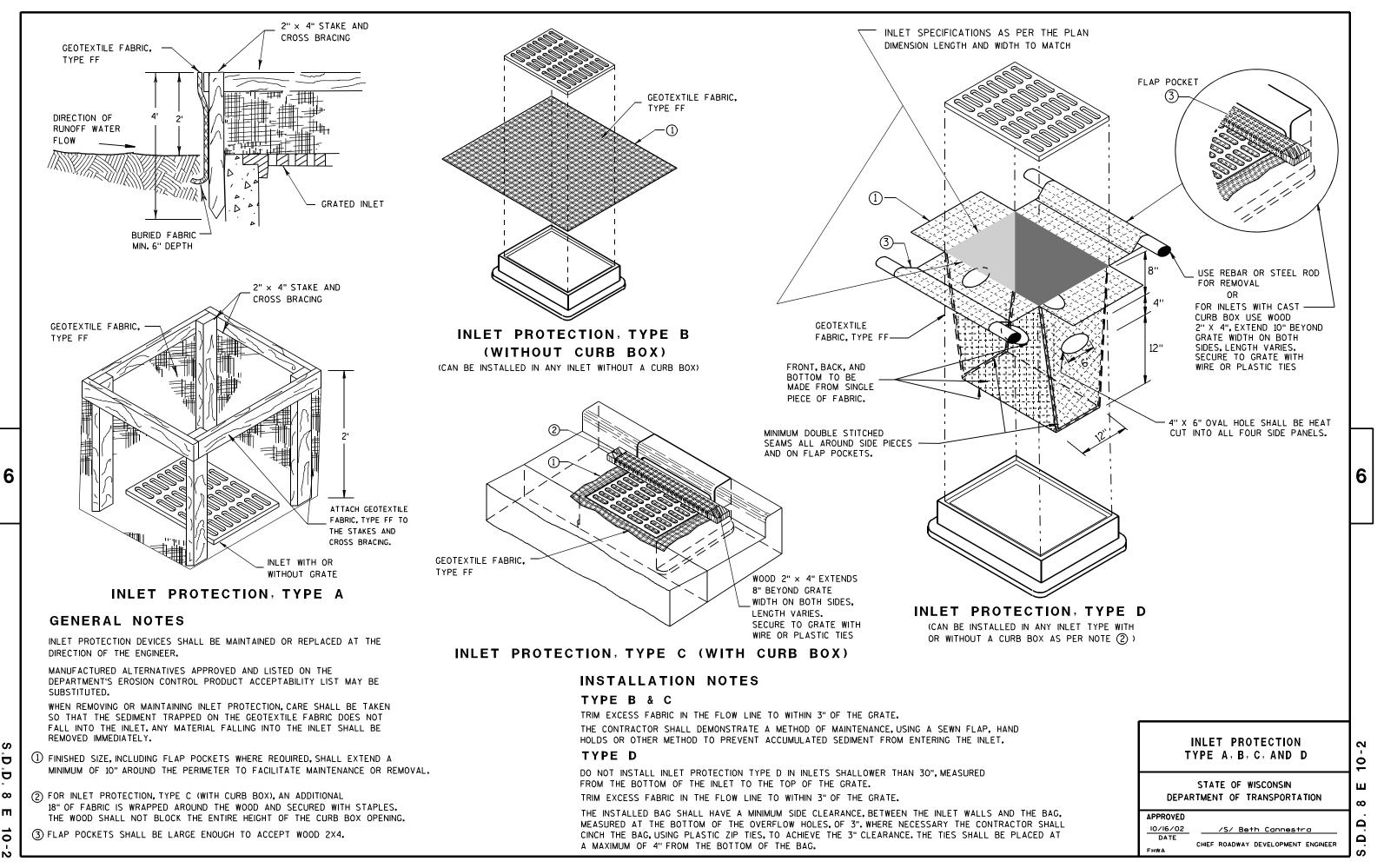




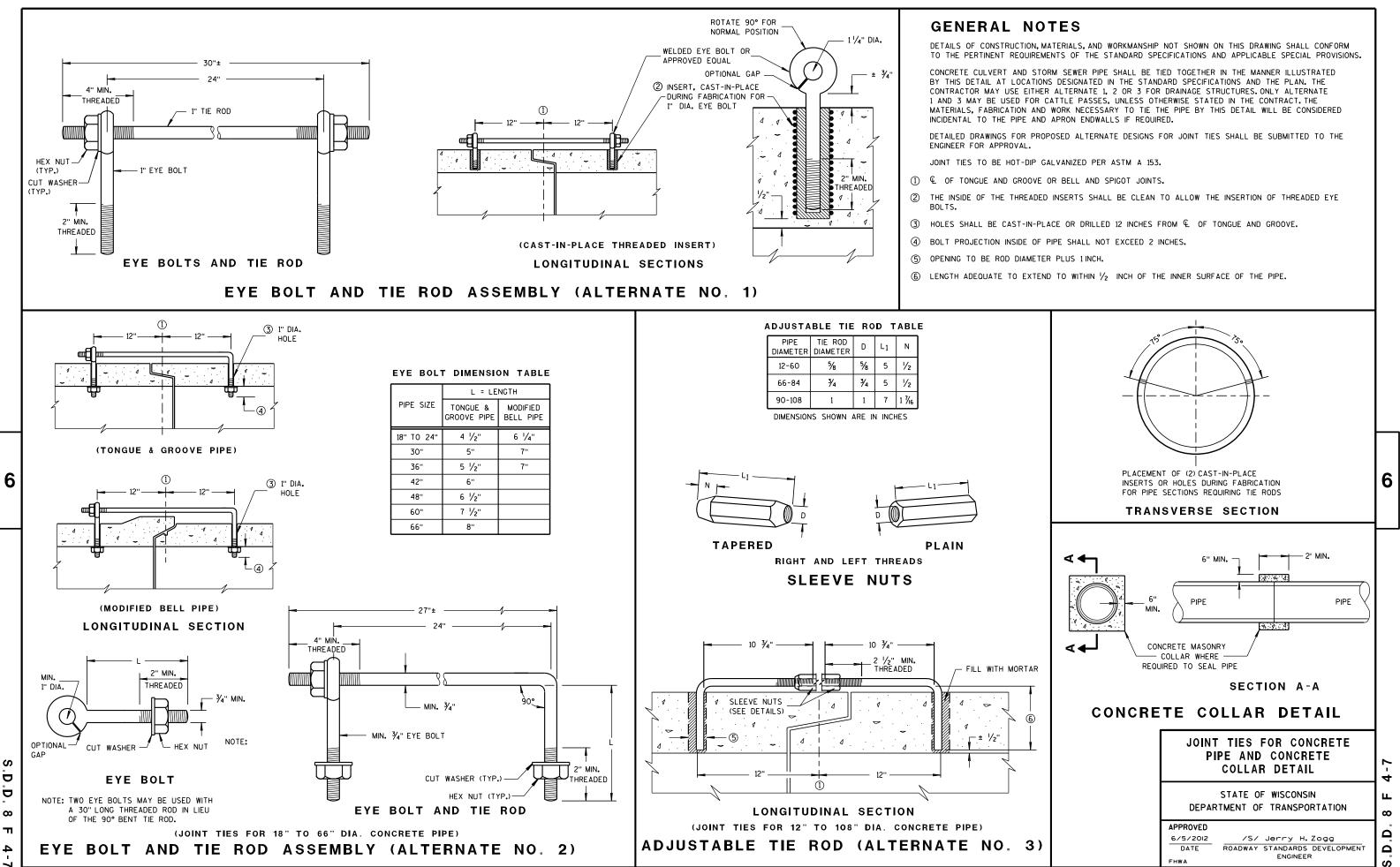


(WHEN REQUIRED BY THE ENGINEER)

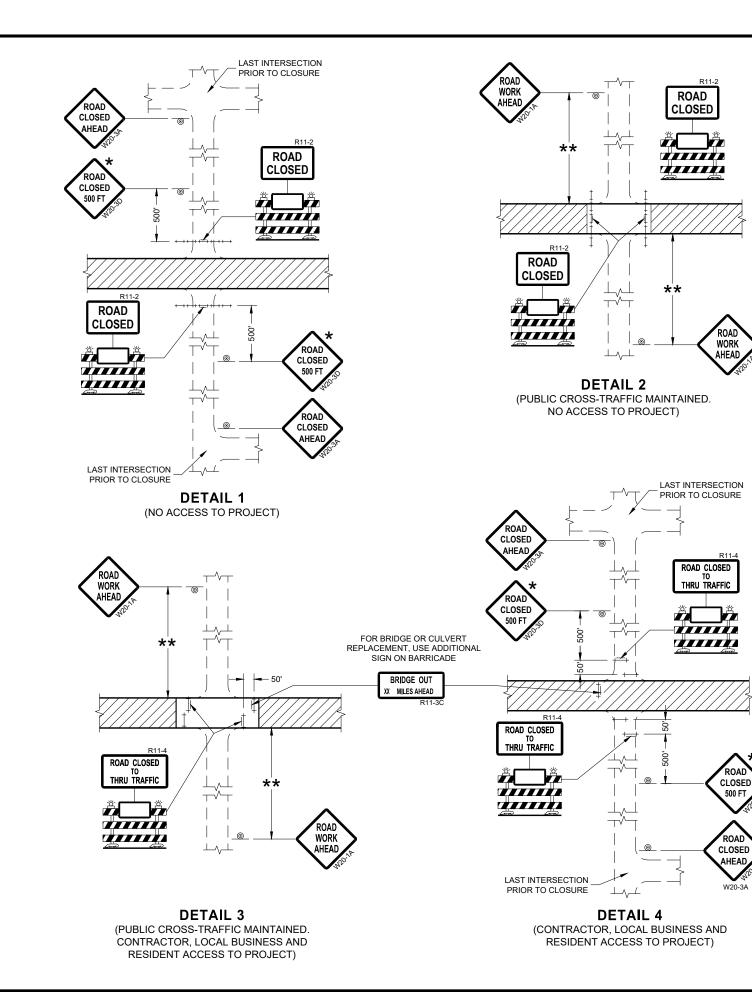




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AS APPROVED BY THE ENGINEER.

NEEDED AND AS APPROVED BY THE ENGINEER.

SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

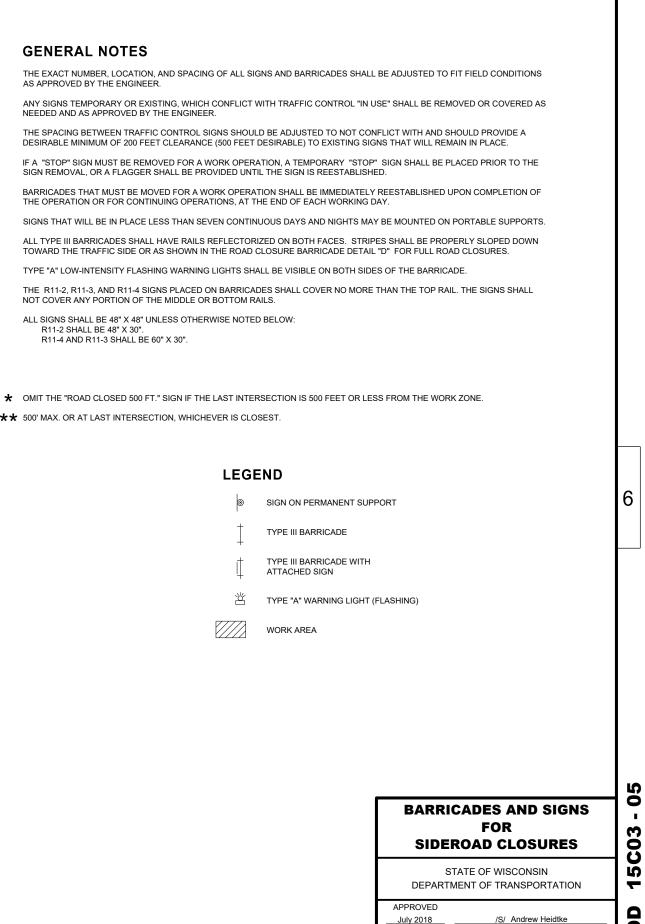
NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

★★ 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

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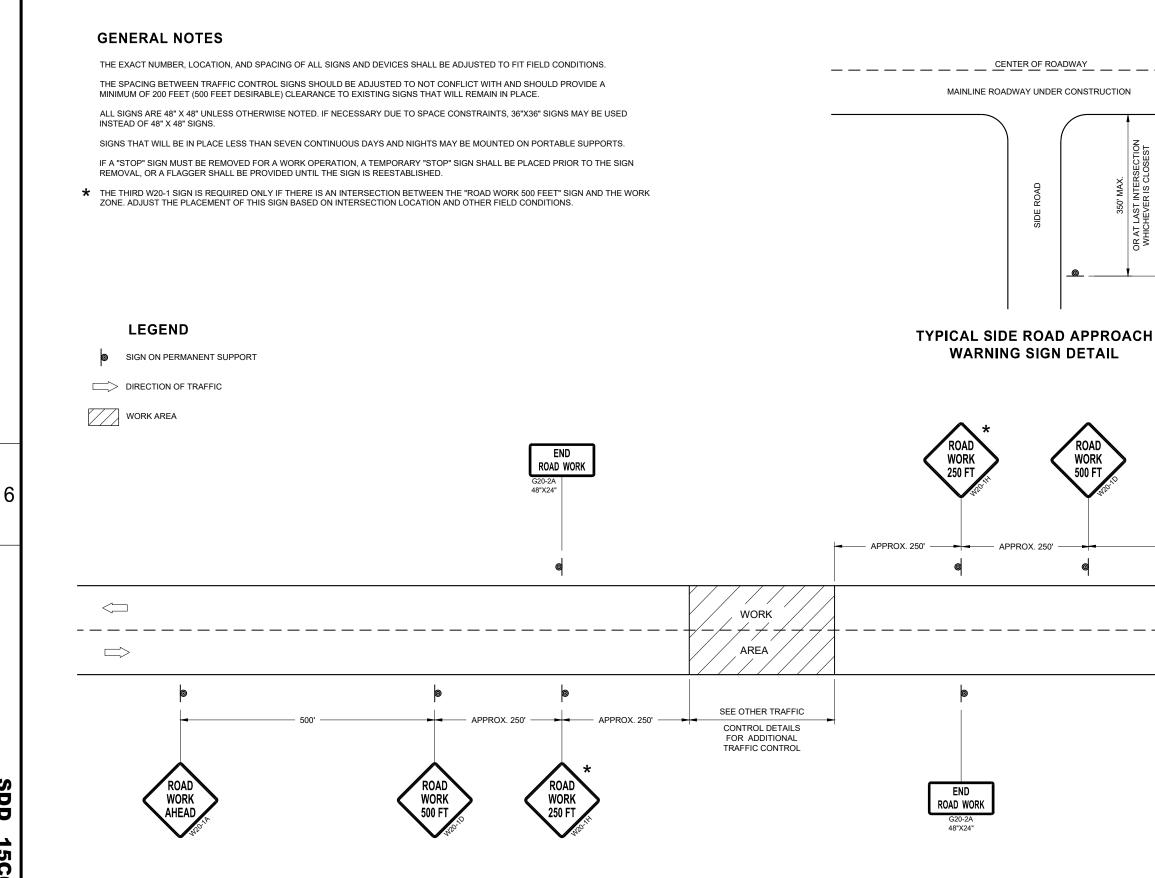
6



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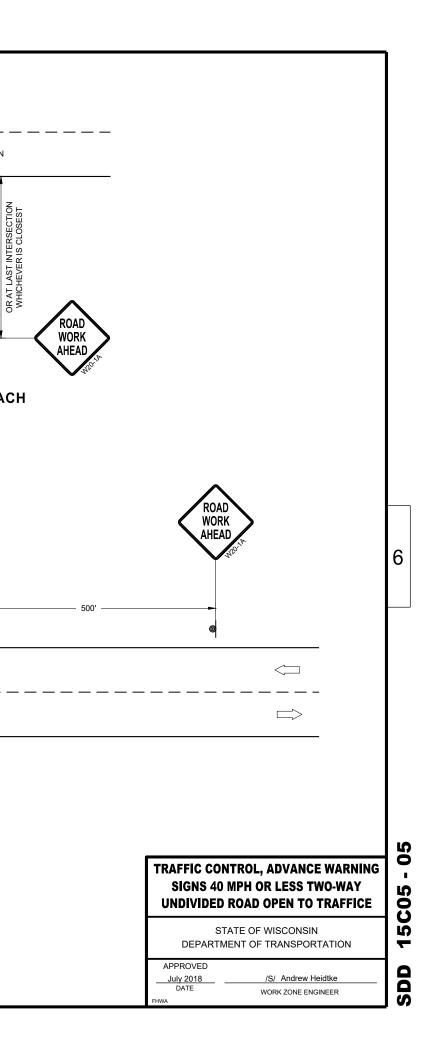
July 2018 DATE

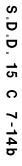
WORK ZONE ENGINEER

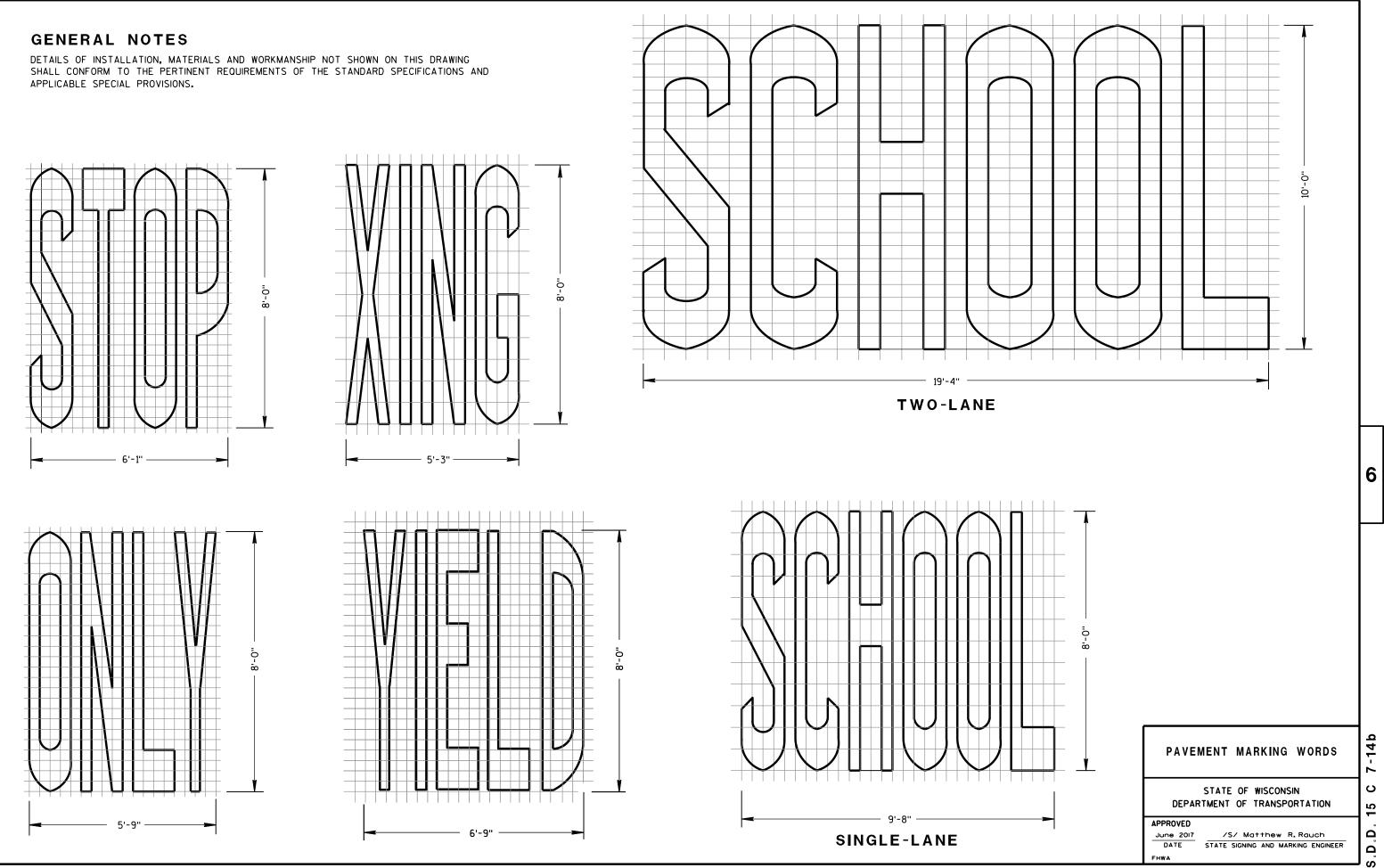


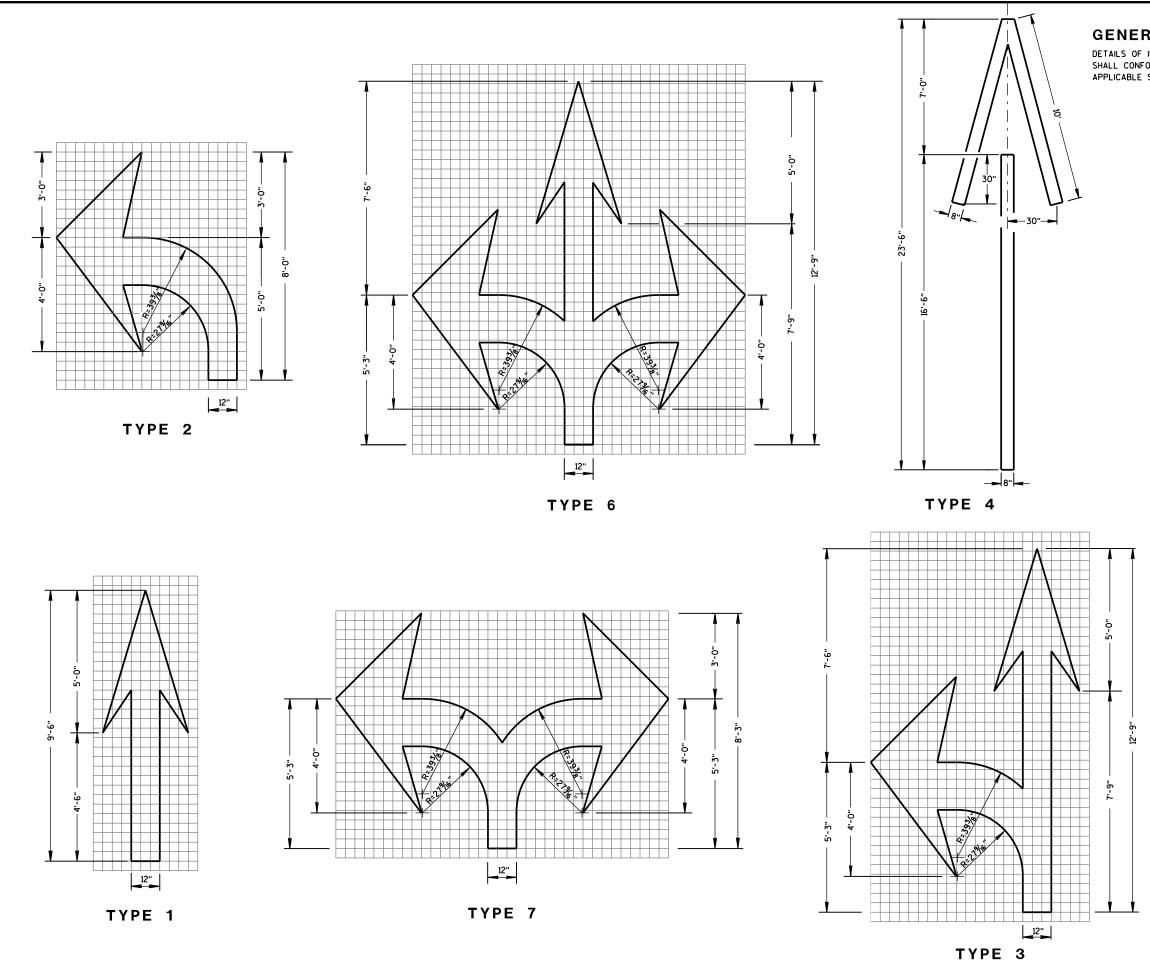
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

**SDD 15C05 - 05** 









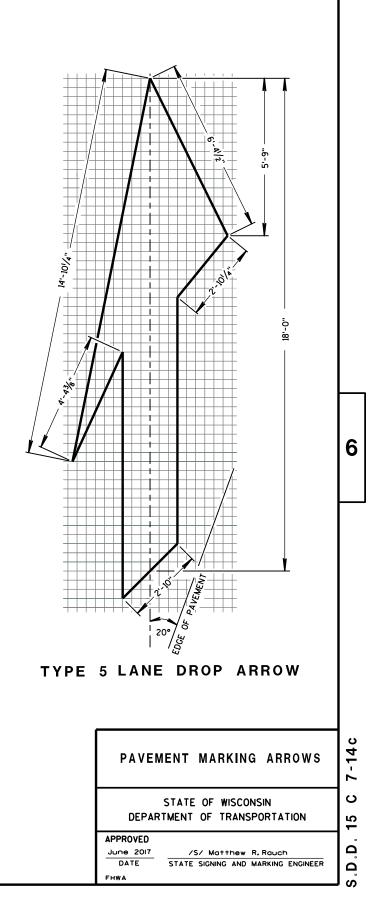
.D.D. 15 C 7-14c

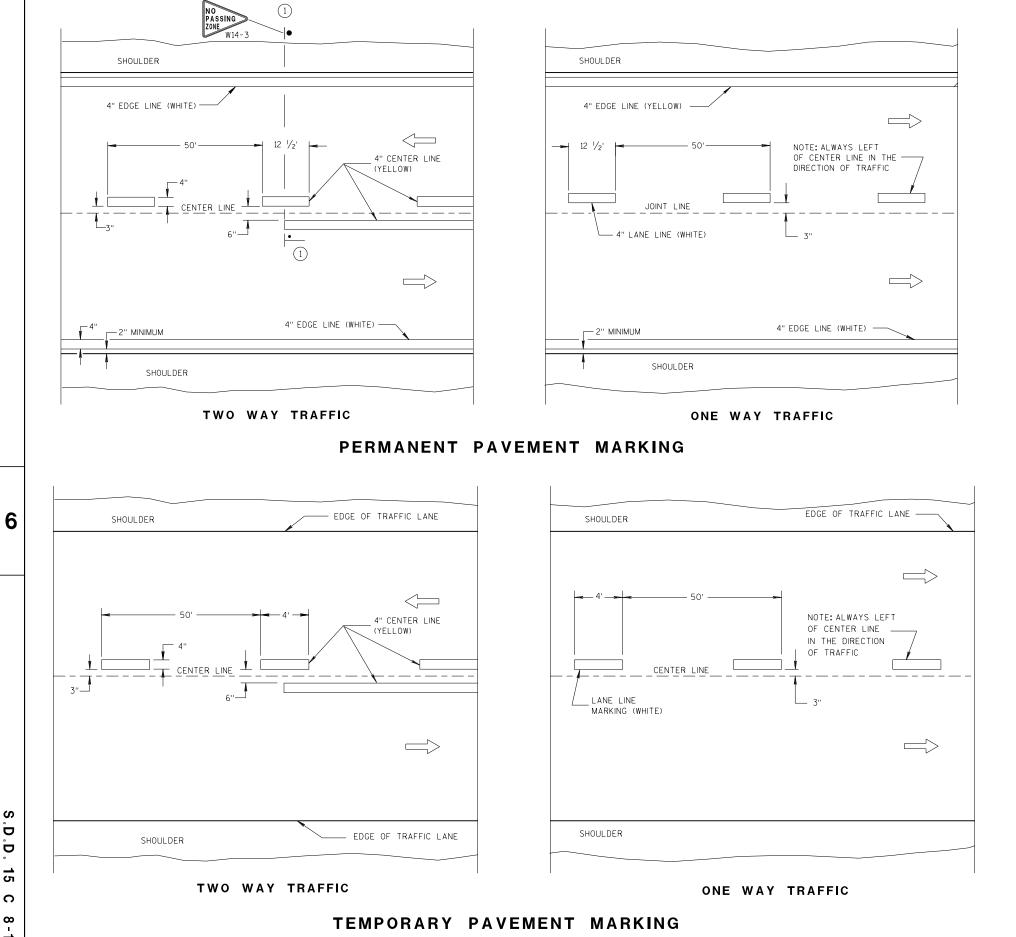
S

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## GENERAL NOTES

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.





ΝΟΤΕ

## **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.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

## LEGEND

"T" MARKING

POST MOUNTED SIGN

6

### LONGITUDINAL MARKING (MAINLINE)

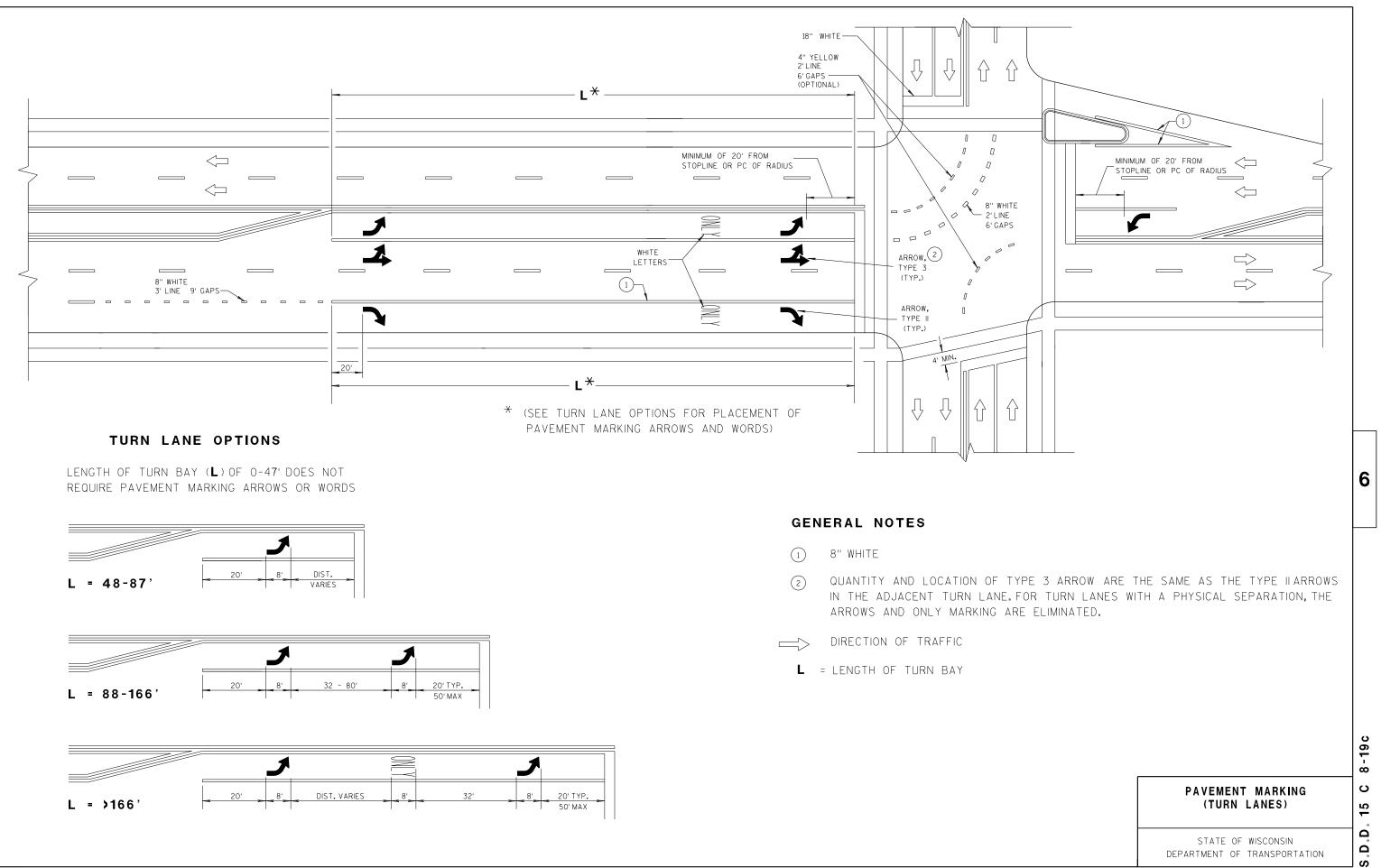
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

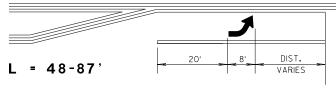
APPROVED

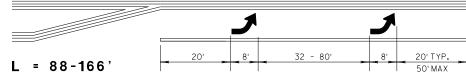
7/2018 /S/ Matthew R. Rauch DATE STATE SIGNING AND MARKING ENGINEER

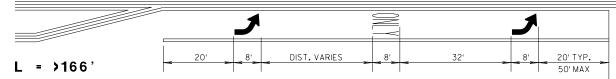
FHWA

8-19a C 15 Δ Δ S







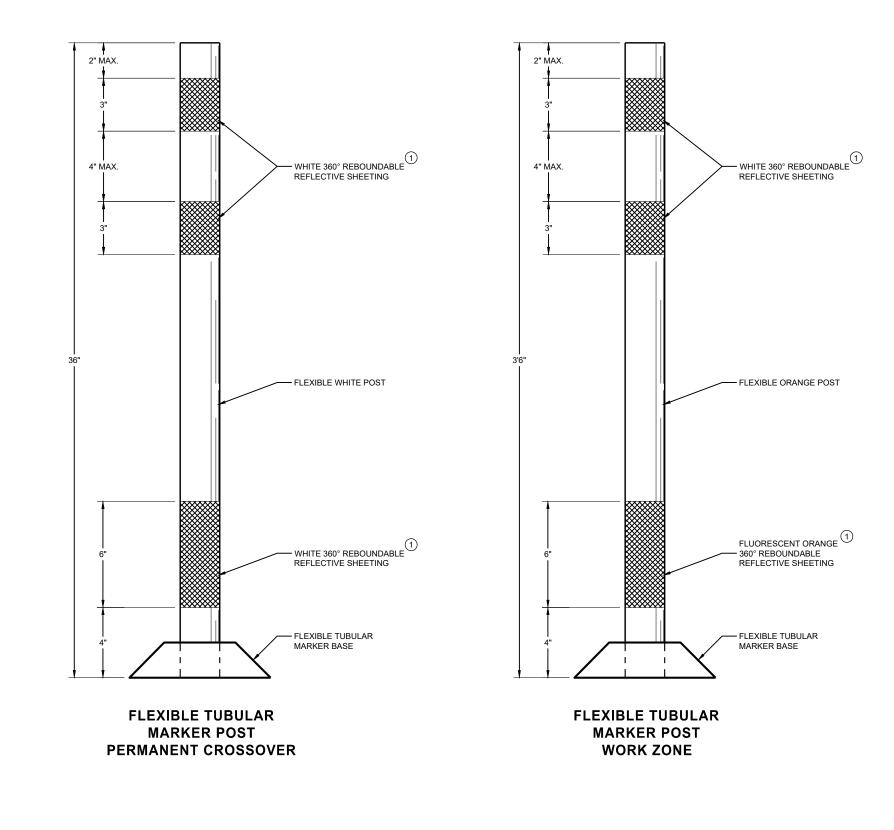


DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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



SDD 15C11 - 07a

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## CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

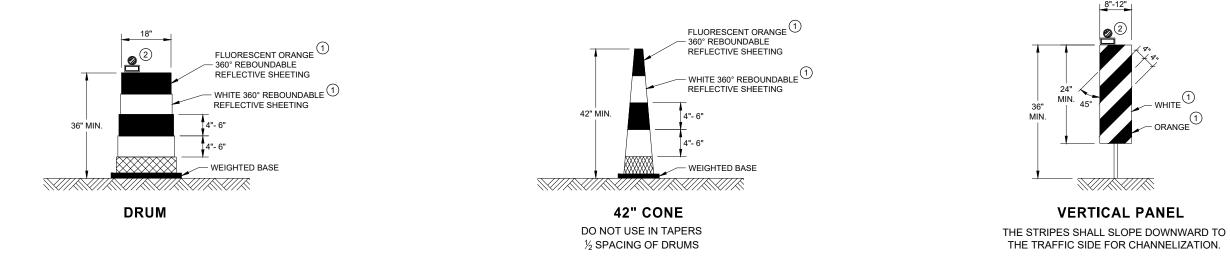
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

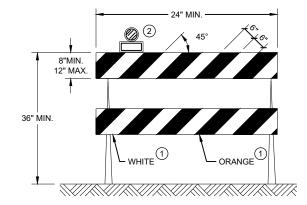
APPROVED June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER

FHWA

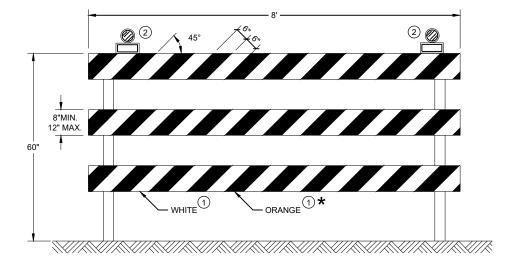
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.





**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.

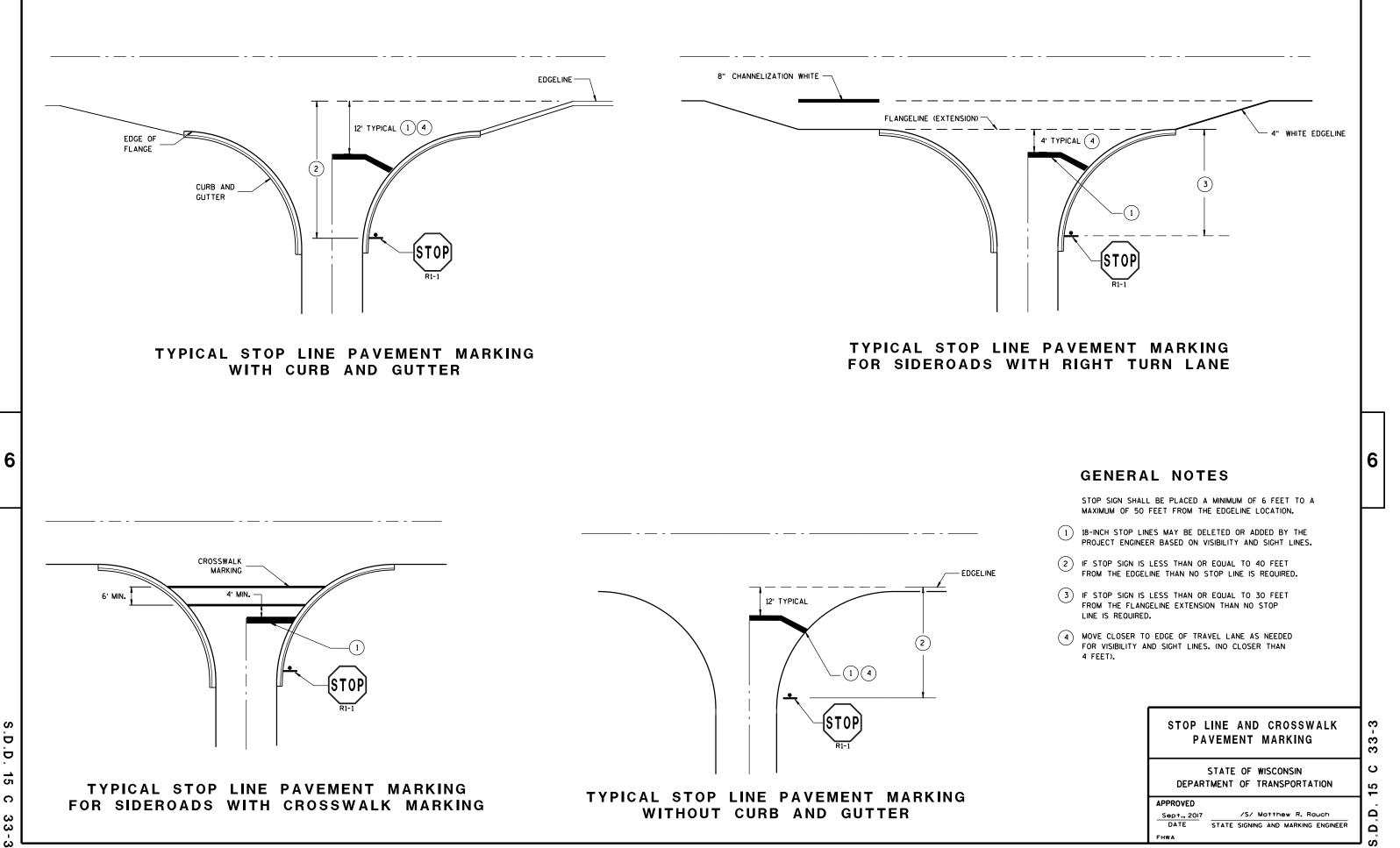
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## **CHANNELIZING DEVICES DRUMS, CONES, BARRICADES** AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2017 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER



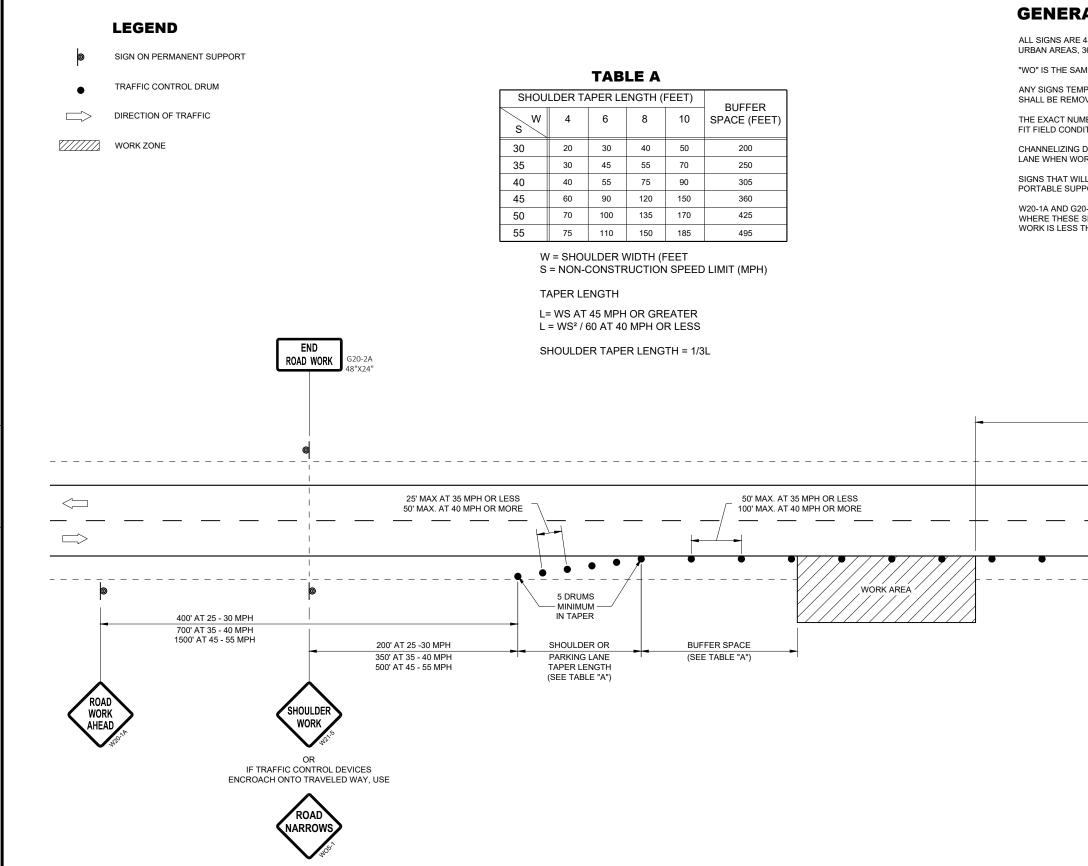
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

PORTABLE SUPPORTS.



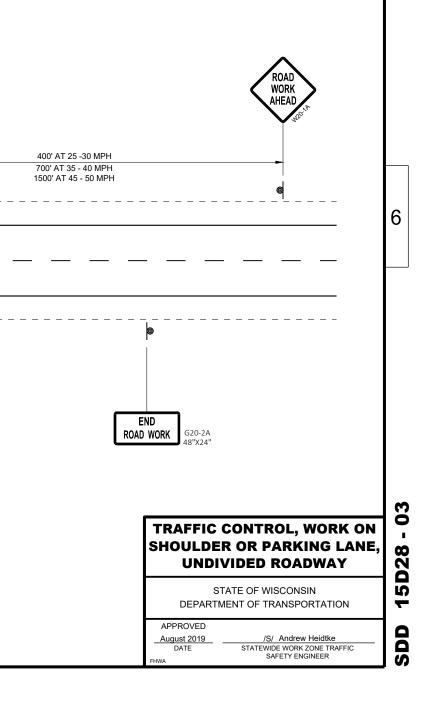
6

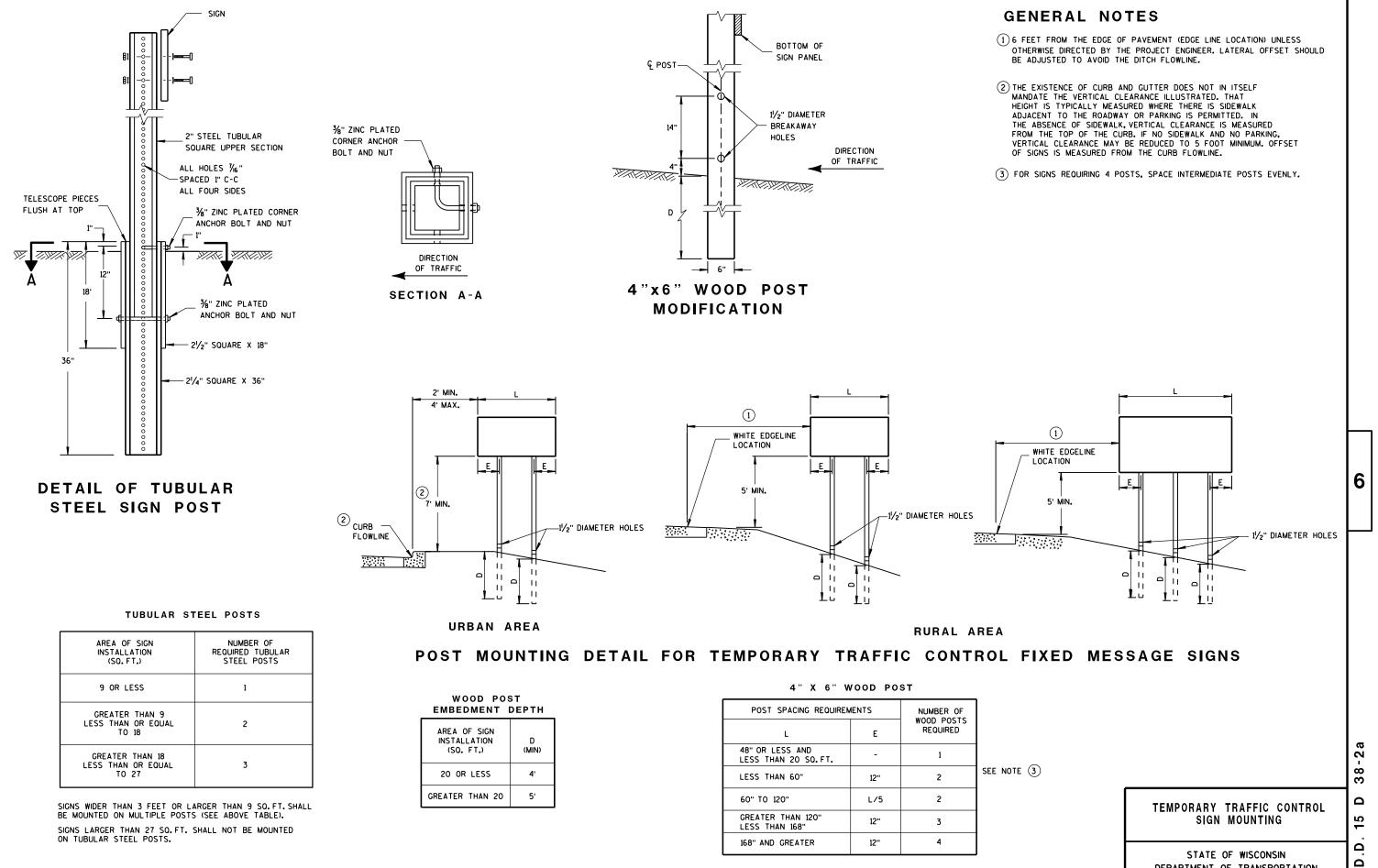


ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY RESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.





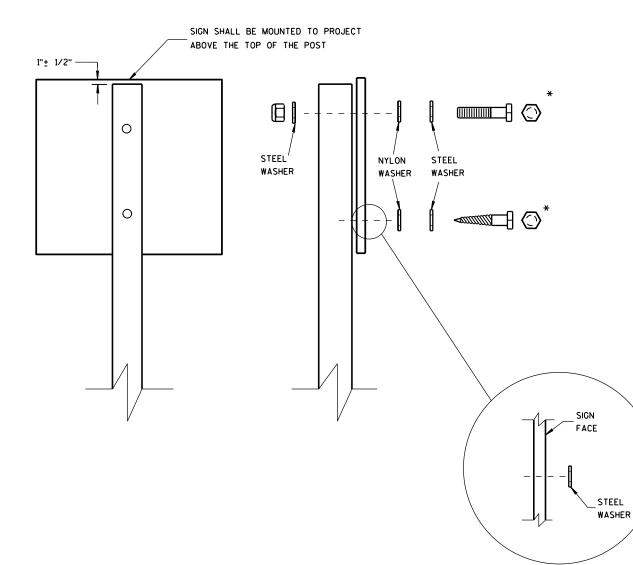
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DEPARTMENT OF TRANSPORTATION

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WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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 ON THE BOLTS. WOOD POSTS (4" x 4" or 4" x 6") LAG SCREWS - 3/8" X 3" MACHINE BOLTS - 5/6" X 6-1/2" OR 7" LENGTH W/ NUTS SOUARE STEEL POSTS (2" x 2") MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS RIVETS - 3/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL 0.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH WASHERS (ALL POSTS) -1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL 1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS \* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER

OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SO. FT. REQUIRE THE USE OF 3 FASTENERS.

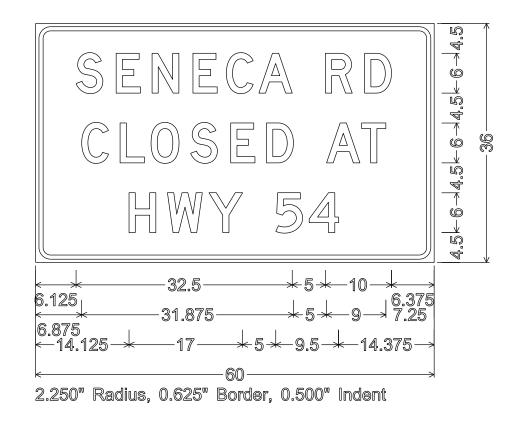
AT.	TACHMENT OF SIGNS TO POSTS
-	TATE OF WISCONSIN MENT OF TRANSPORTATION
APPROVED	
June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER
FHWA	

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2b 38-Δ 15 Δ Δ S

- 2. Color:

  - Message Black
- 3. Message Series D



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		SE	$\square$
BEGI	NS		
←12.25→	-32.5		5+
← 20.125	31.8	375 5-∔	
<ul><li>2.250" Radius, 0.625</li></ul>			ndent

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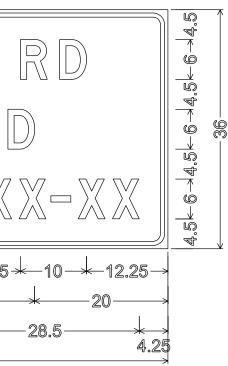
PROJECT N0:6999-03-72	HWY:STH 54	COUNTY:WOOD		TEMPORARY SIGNING	
FILE NAME : C:\CAEfiles\Projects\tr_d4_4712a819FMS.dgn			PLOT DATE : 7-AUG-2019 8:36	S PLOT BY : mscj9h	PLOT NAME :

7

## NOTES

1. Fixed Message Type II Signs - Type F Reflective

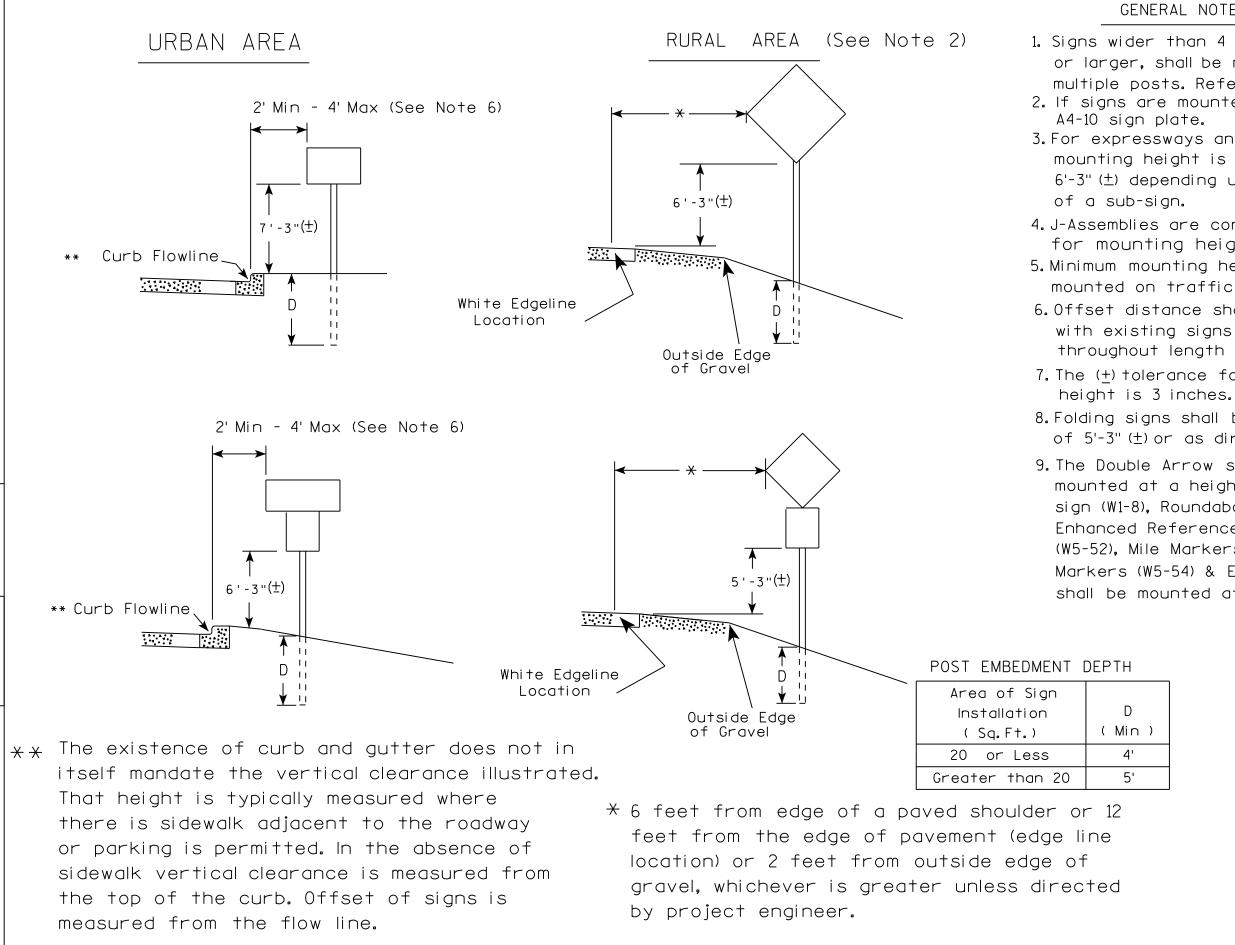
Background - Orange





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Ε



PROJECT NO:	HWY:	COUNTY:	

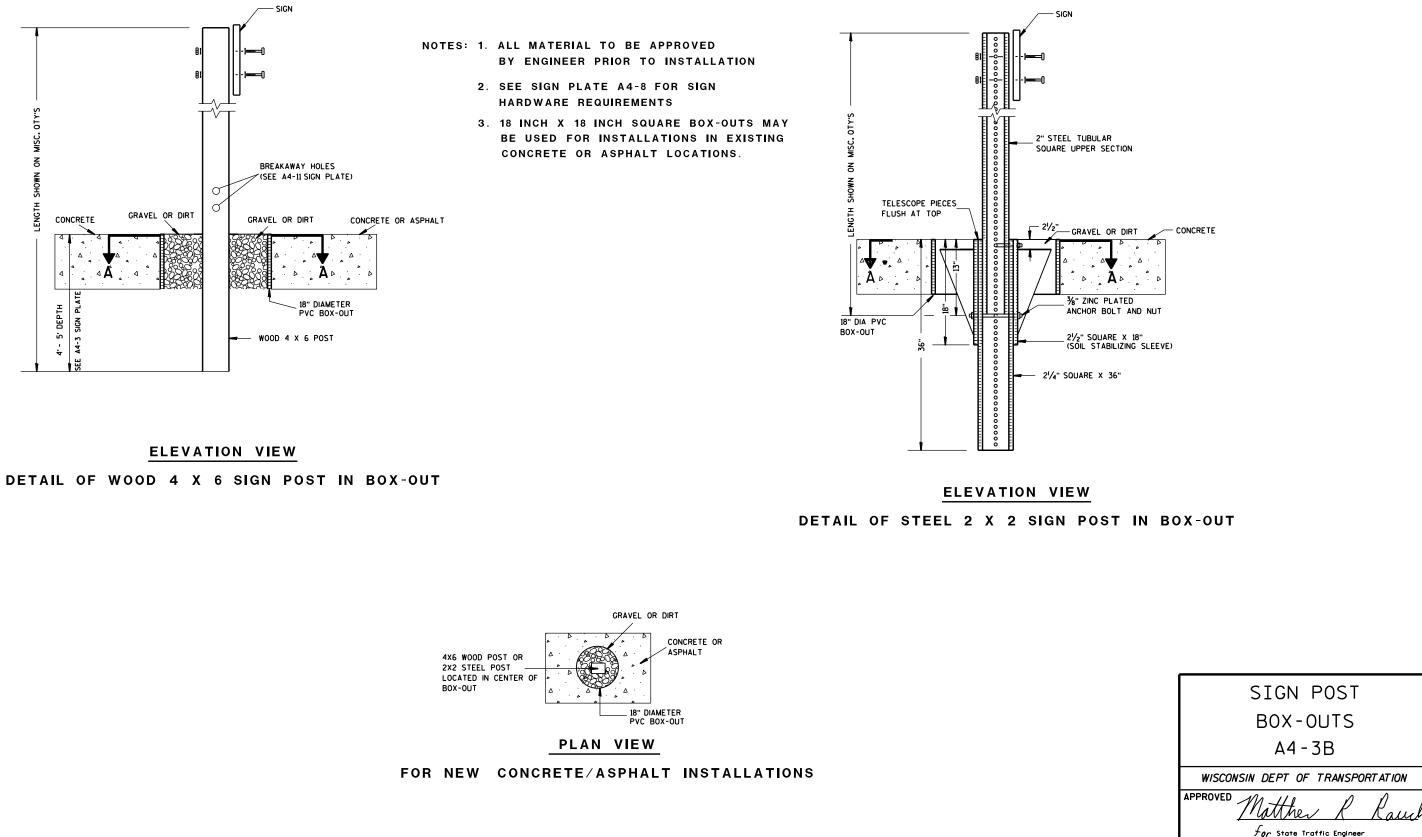
FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.DGN

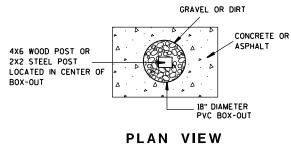
7

PLOT DATE : 21-AUG-2017 16:04 PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

GENERAL NOTES

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 barrier wall, see 3. For expressways and freeways, mounting height is 7'- 3" ( $\pm$ ) or  $6'-3''(\pm)$  depending upon existence 4. J-Assemblies are considered to be one sign for mounting height. 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (±). 6. Offset distance shall be consistent with existing signs or consistent throughout length of project. 7. The (+) tolerance for mounting 8. Folding signs shall be mounted at a height of  $5'-3''(\pm)$  or as directd by the Engineer. 9. The Double Arrow sign (W12-1) 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  $4'-3''(\pm)$ . TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS WISCONSIN DEPT OF TRANSPORTATION APPROVED Matthew & Raus for State Traffic Engineer DATE 8/21/17 SHEET NO: Ε PLOT SCALE : 100.601251:1.000000 WISDOT/CADDS SHEET 42





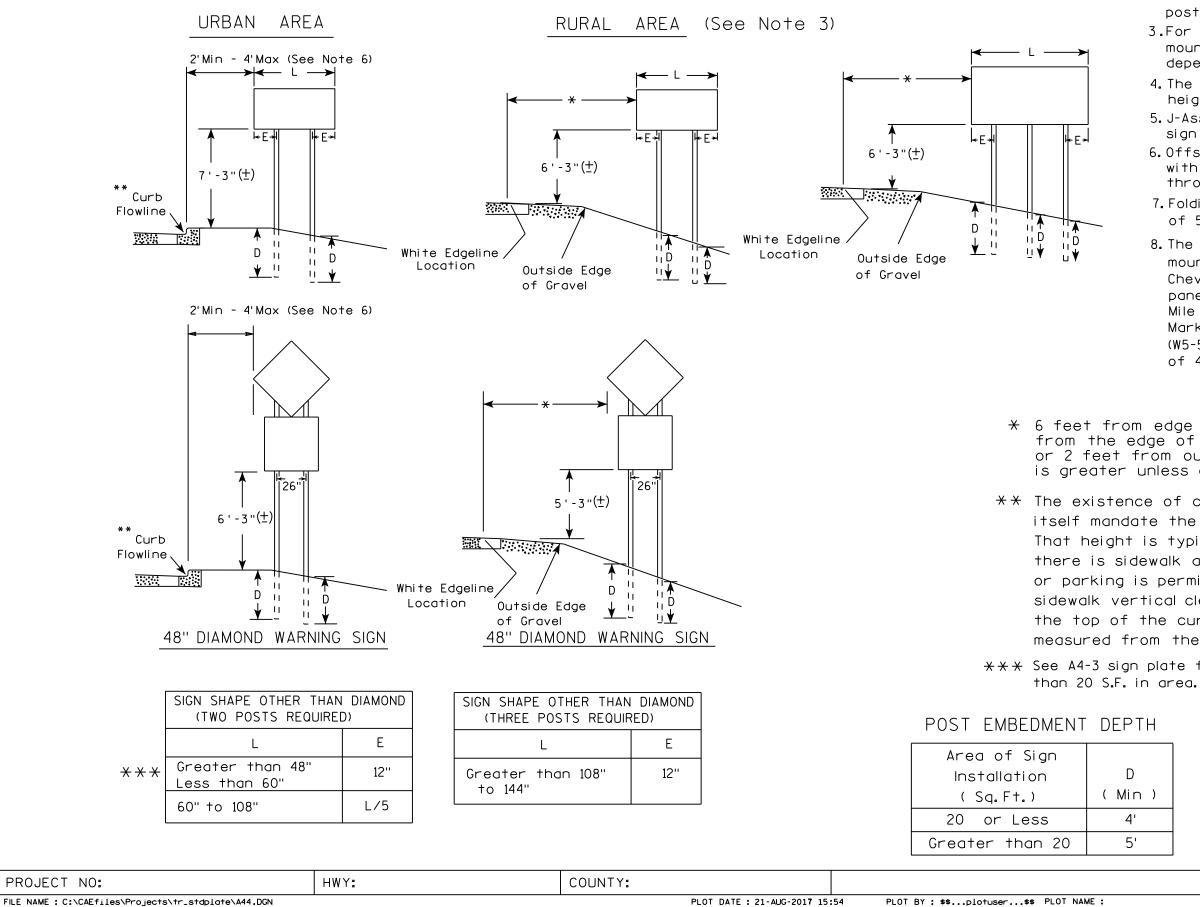
PROJECT NO:	HWY:	COUNTY:				
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN			PLOT DATE : 27-JAN-2014 09:4	8	PLOT BY : mscsja	PLOT NAME :

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.

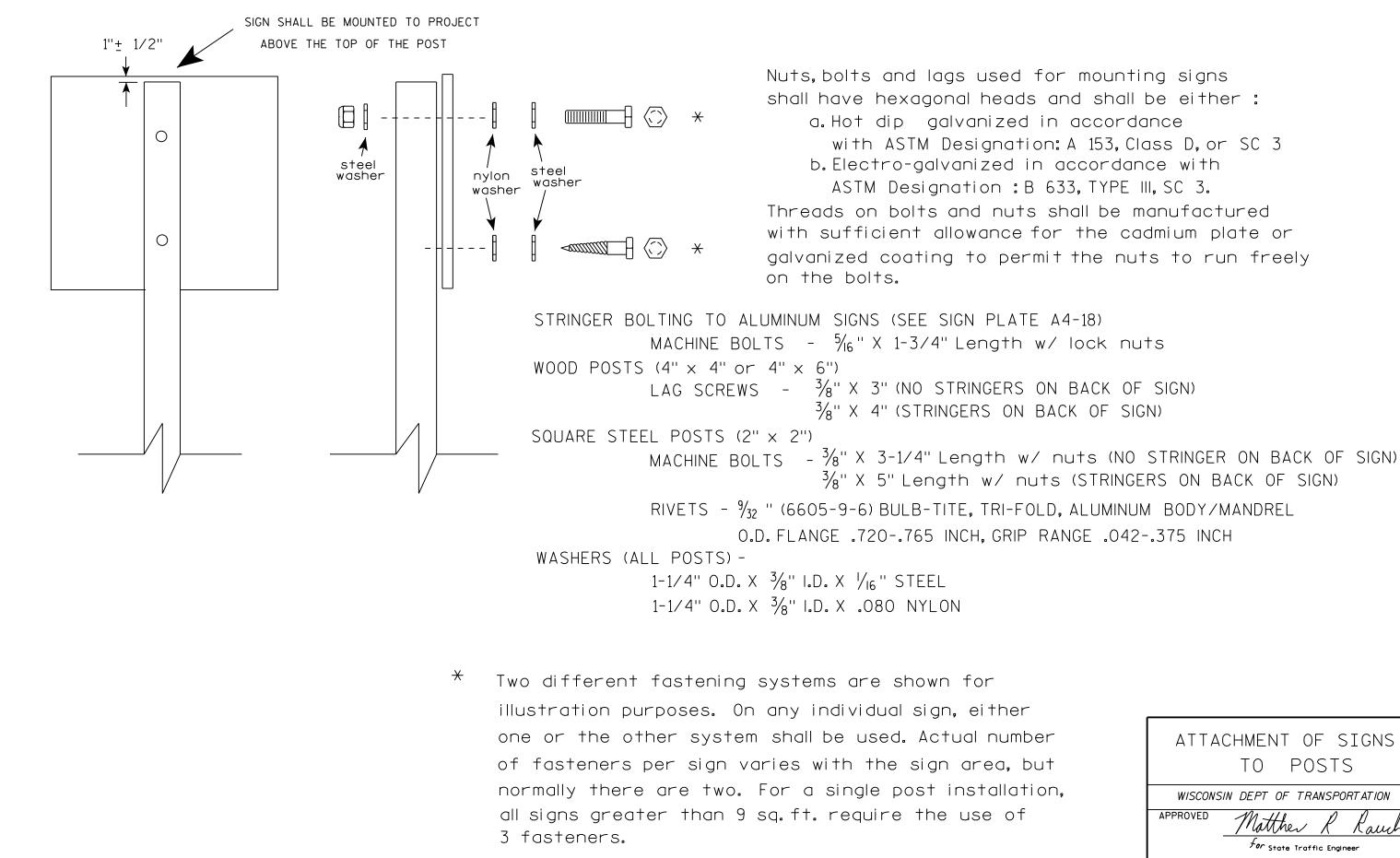
\*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of 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
DI AT. CA	L 5 - 100 100007-1 00000

PLOT SCALE : 108.188297:1.000000

WISDOT/CADDS SHEET 42



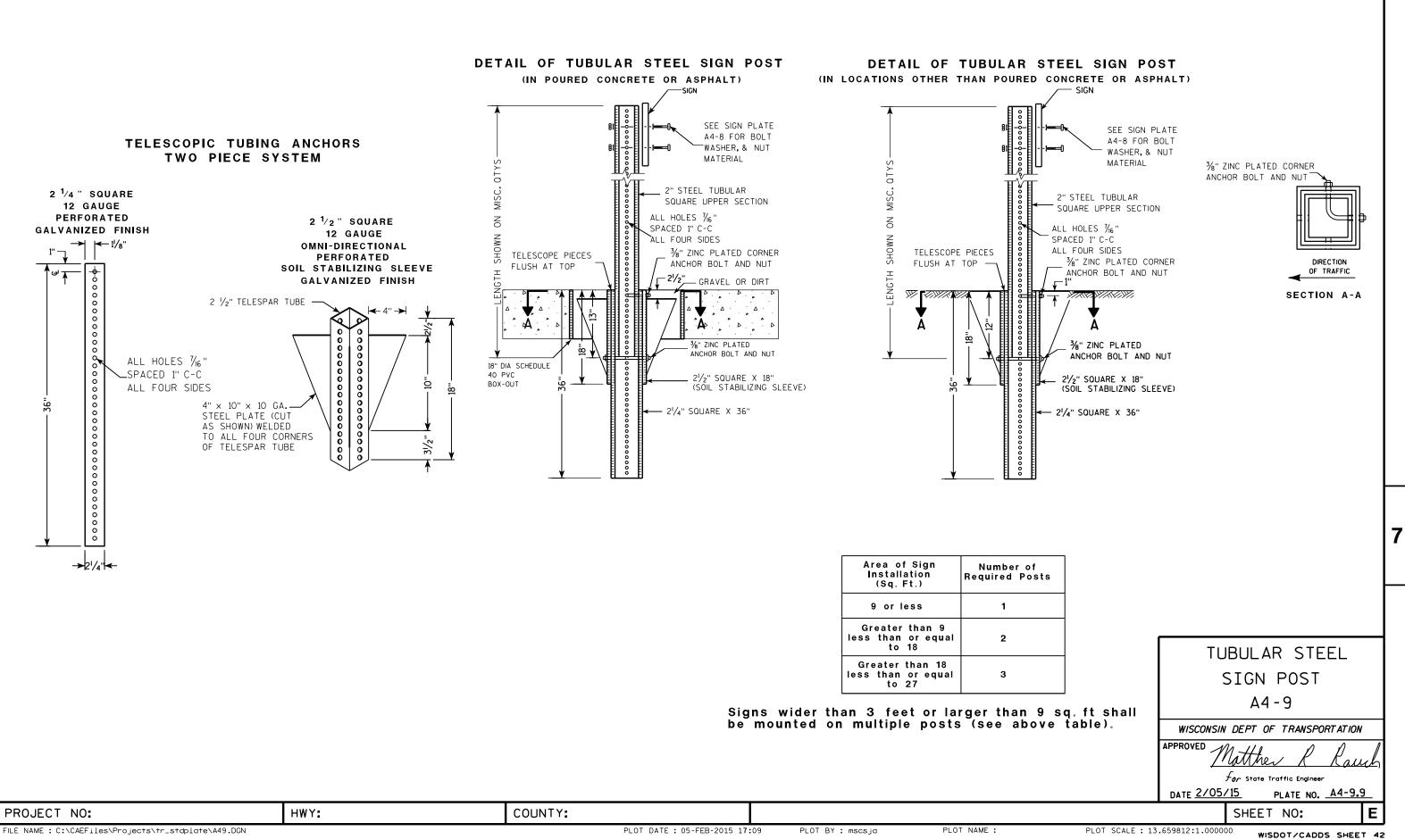
PROJECT NO:

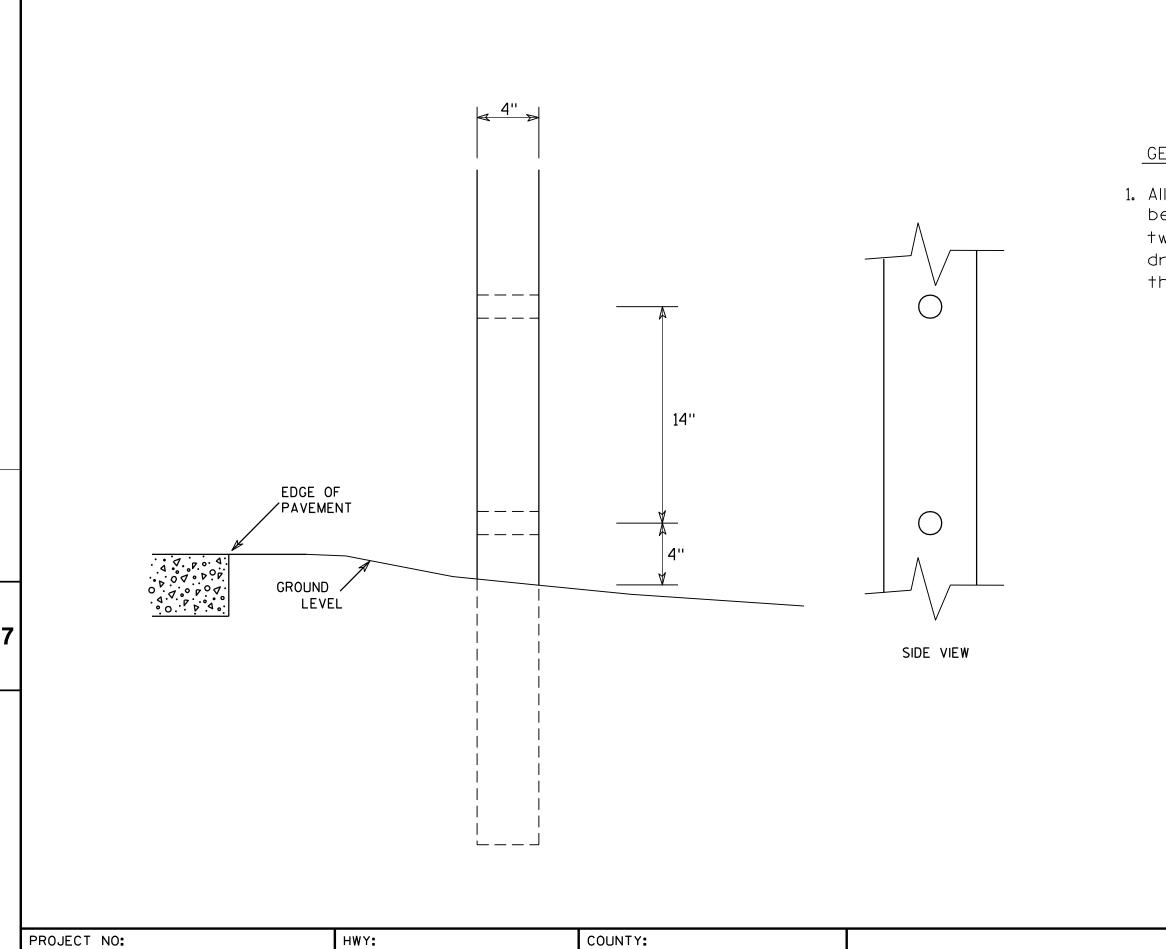
7

with ASTM Designation: A 153, Class D, or SC 3

 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

er	ATTACHMENT OF SIGNS
1+	TO POSTS
)n,	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthew R Rauch
	for State Traffic Engineer
	DATE <u>8/11/16</u> PLATE NO. <u>A4-8.8</u>
	SHEET NO: E



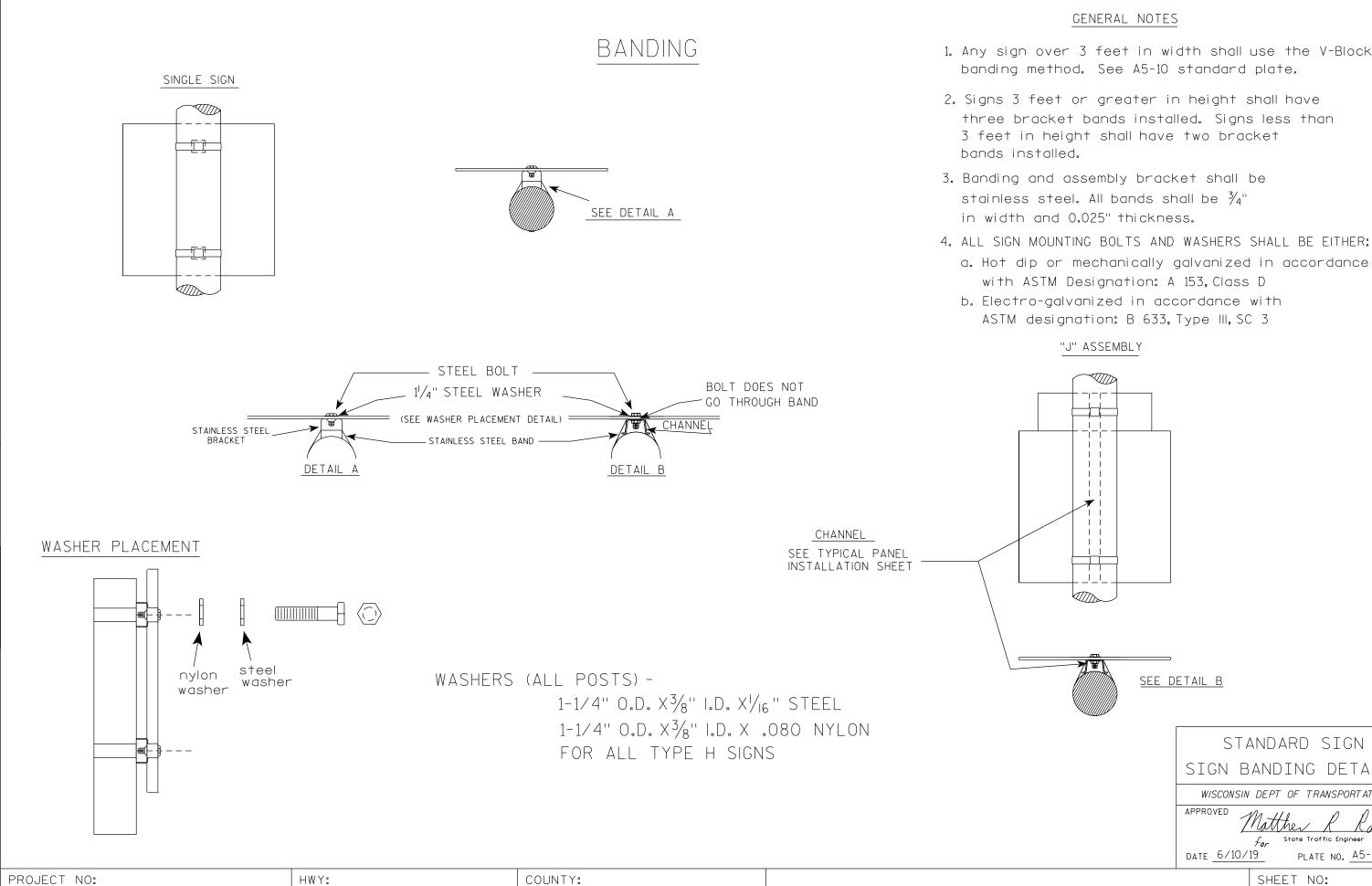


FILE NAME : C:\Users\Projects\tr\_stdplate\A411.DGN

## 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	6	WOO	DF	POST	
		MOD	IF	FICA	ΤI	ONS	
	WISC	onsin l	DEF	PT OF T	RANS	PORT AT IO	N
	APPROVE	D		nester .	Γź	Spang	
			tor	State Tr	affic E	ngineer	
	DATE 3	/27/9	<u>17</u>	PLA	TE N	D. <u>44-11</u>	2
	SHEET NO: E						
OT SCALE	E:6.20 <b>7</b> 33	8:1.0000	000	WISD	от/с	ADDS SHE	ET 42



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PLOT NAME :

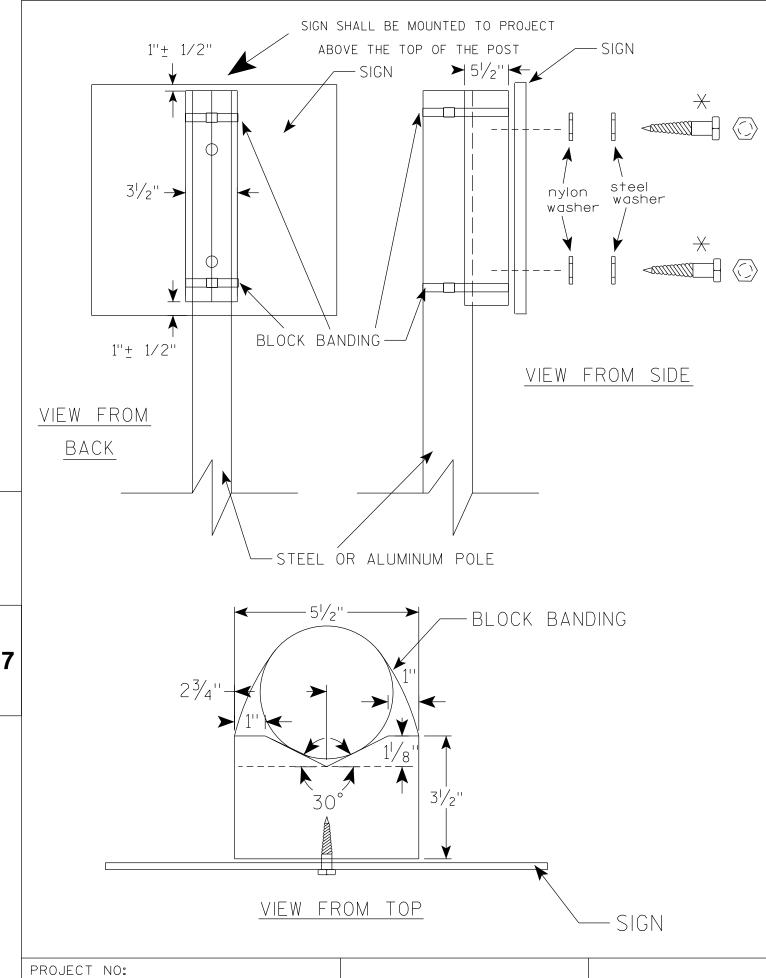
## GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.

three bracket bands installed. Signs less than 3 feet in height shall have two bracket

a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

<b>T</b>	<u>SEE DETAIL B</u>
	STANDARD SIGN
	SIGN BANDING DETAILS
	WISCONSIN DEPT OF TRANSPORTATION
	APPROVED Matthe R Rauch For State Traffic Engineer
	DATE 6/10/19 PLATE NO. 45-9.4
	SHEET NO: E
PLOT	SCALE: \$\$plotscale\$\$ WISDOT/CADDS SHEET 42



- WISDOT STANDARD SPECIFICATIONS
- AND 0.025" THICKNESS
- 9 S.F. 3 FASTENERS SHALL BE USED.
- with ASTM Designation: A 153, Class D
  - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE 11/4" O.D. X 3/8" I.D. X 1/16"
- OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X 2<sup>1</sup>/<sub>2</sub>"

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A510.dgn

1

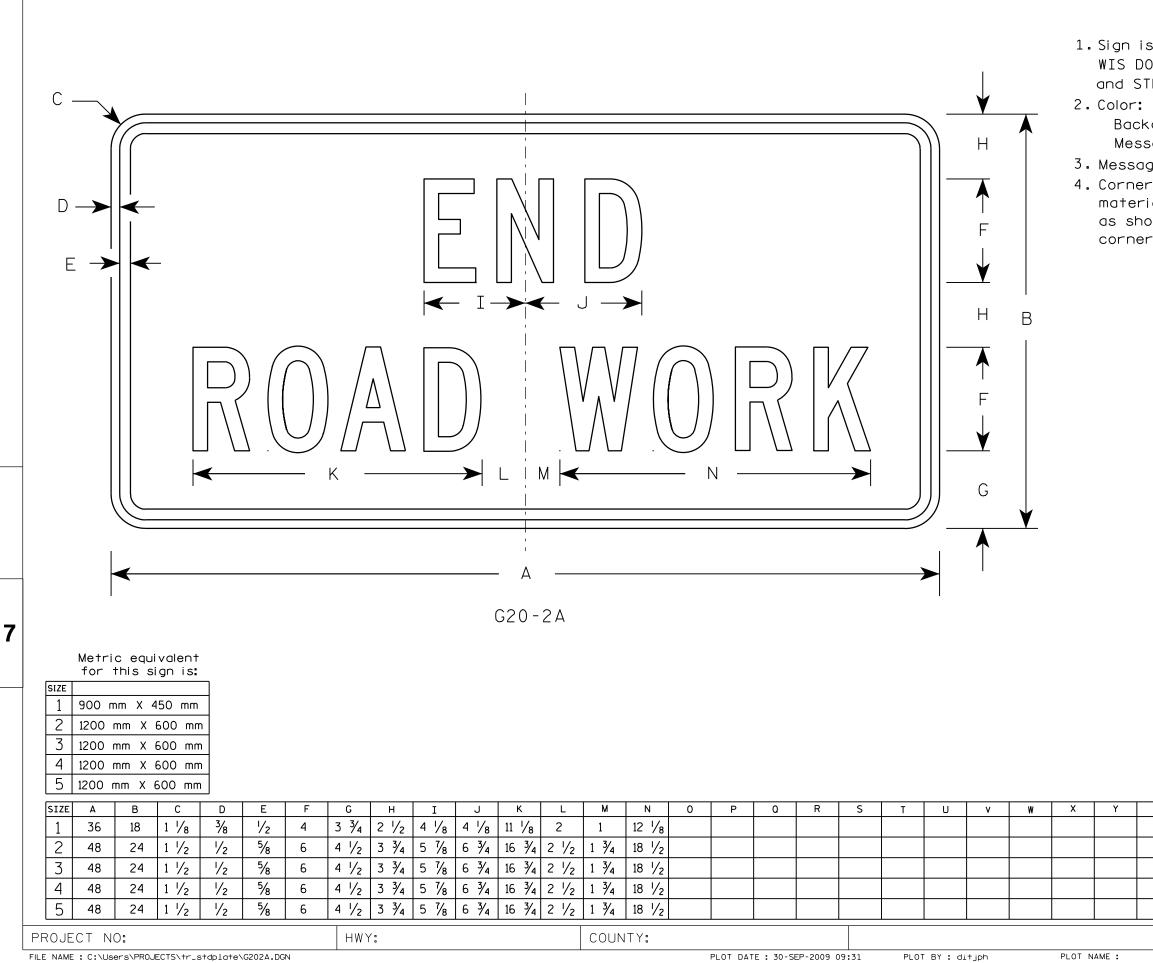
1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE

2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL,  $\frac{3}{4}$ " WIDTH

3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER: a. Hot dip or mechanically galvanized in accordance 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X .080 FOR TYPE H

_	
	BLOCK BANDING DETAIL ( V-BLOCK OPTION )
	WISCONSIN DEPT OF TRANSPORTATION
-	APPROVED Matther R Rauch
	<i>for</i> State Traffic Engineer
	DATE <u>6/10/19</u> PLATE NO. <u>45-10.2</u>
	SHEET NO: E
	I

WISDOT/CADDS SHEET 42

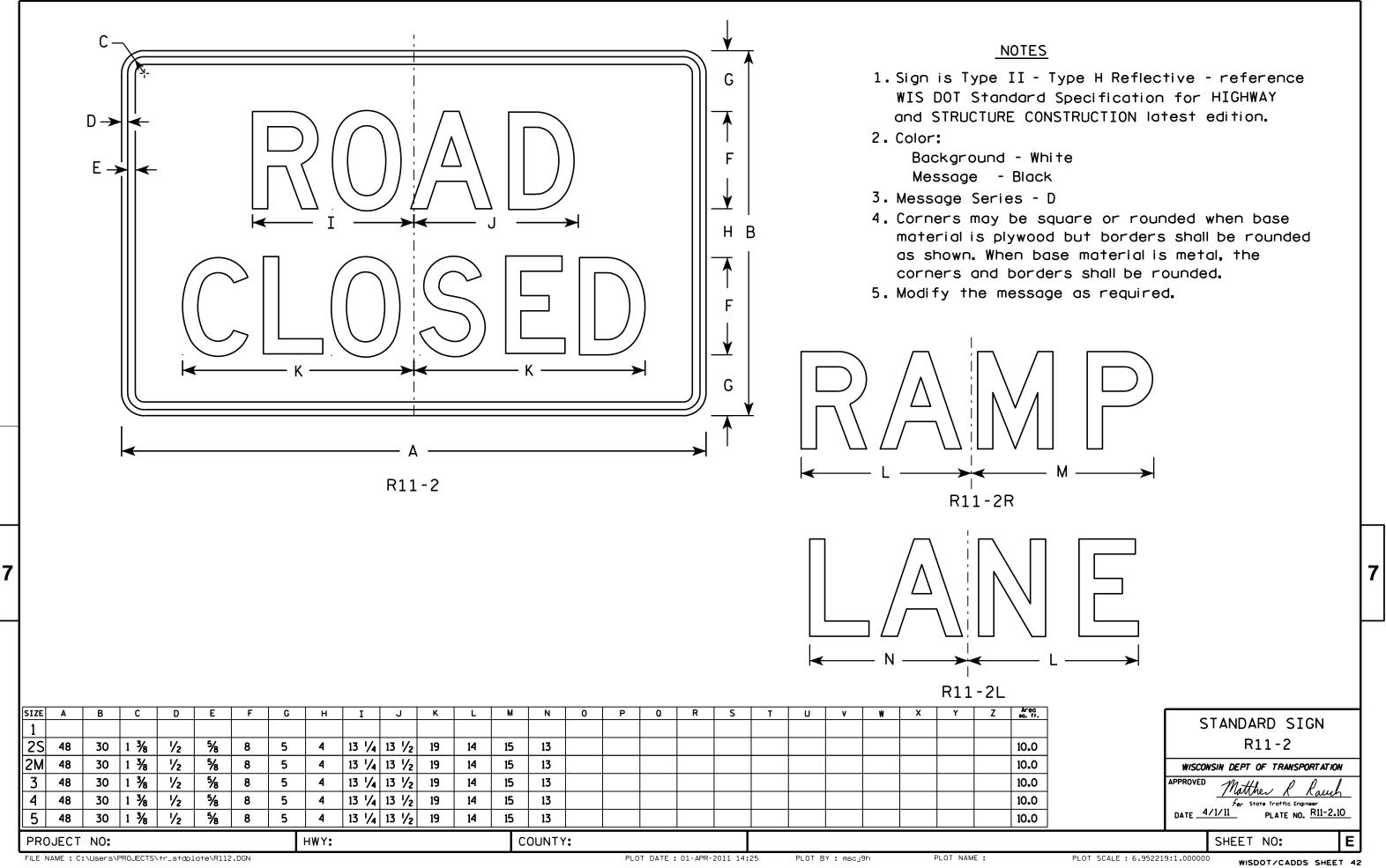


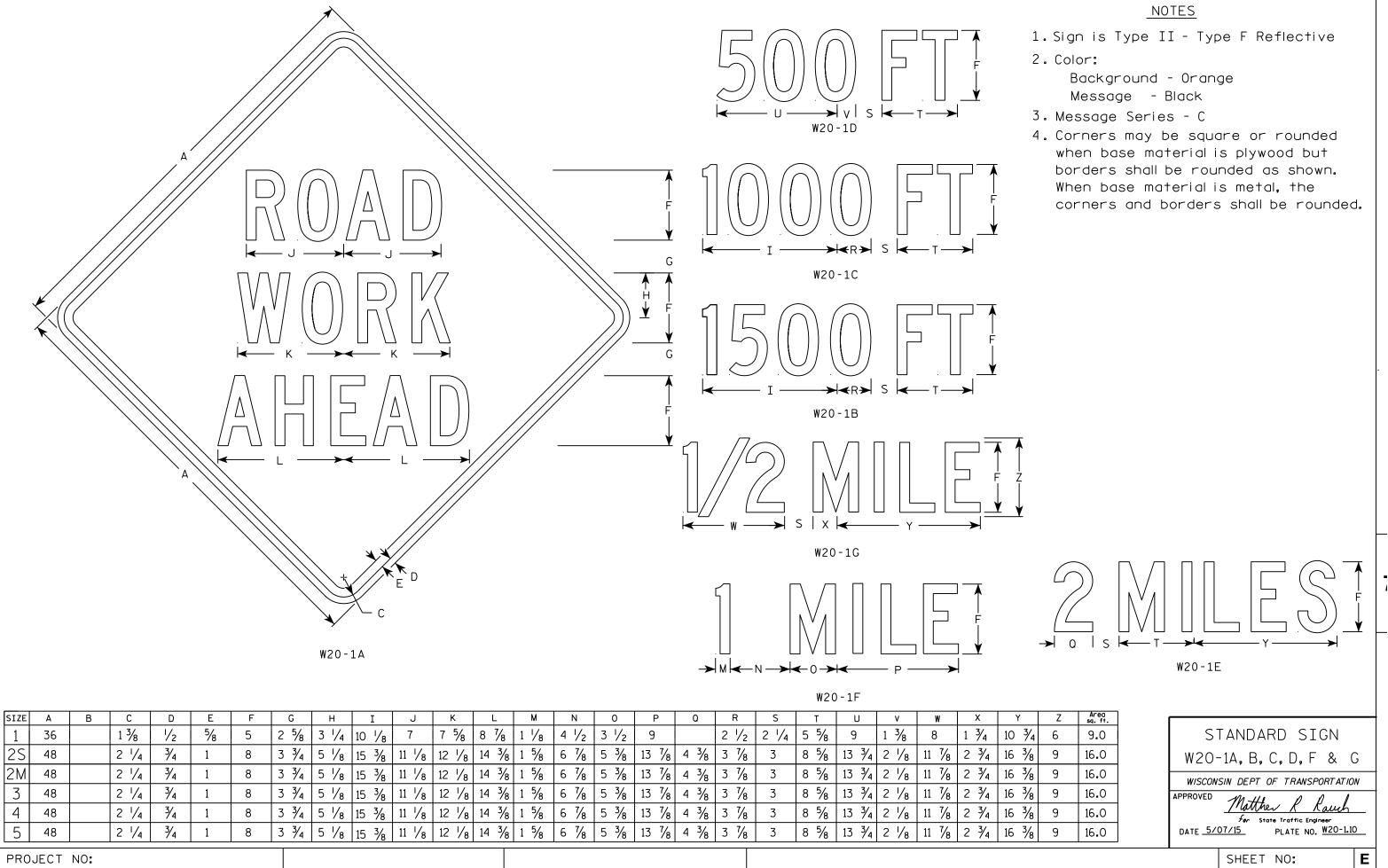
## NOTES

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

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.

7	Area	Area	l	S	<b>FANDA</b>	RD SIG	GN	
Z	sq. ft.	m2						
	4.5	0.41		G20-2A				
	8.0	0.72		WISCON	SIN DEPT O	F TRANSPO	RTATION	
	8.0	0.72		APPROVED	M.#	er R	0 1	
	8.0	0.72			· · ·			—
		0.70			Sto	te Traffic Engir	heer	
	8.0	0.72		DATE <u>9/3</u>	0/09	PLATE NO.	<u>G20-2A</u>	.8
					SHEET	NO:		Ε
	PLOT SCALE : 5.561773:1.000000 WISDOT/CADDS SHEET 42							

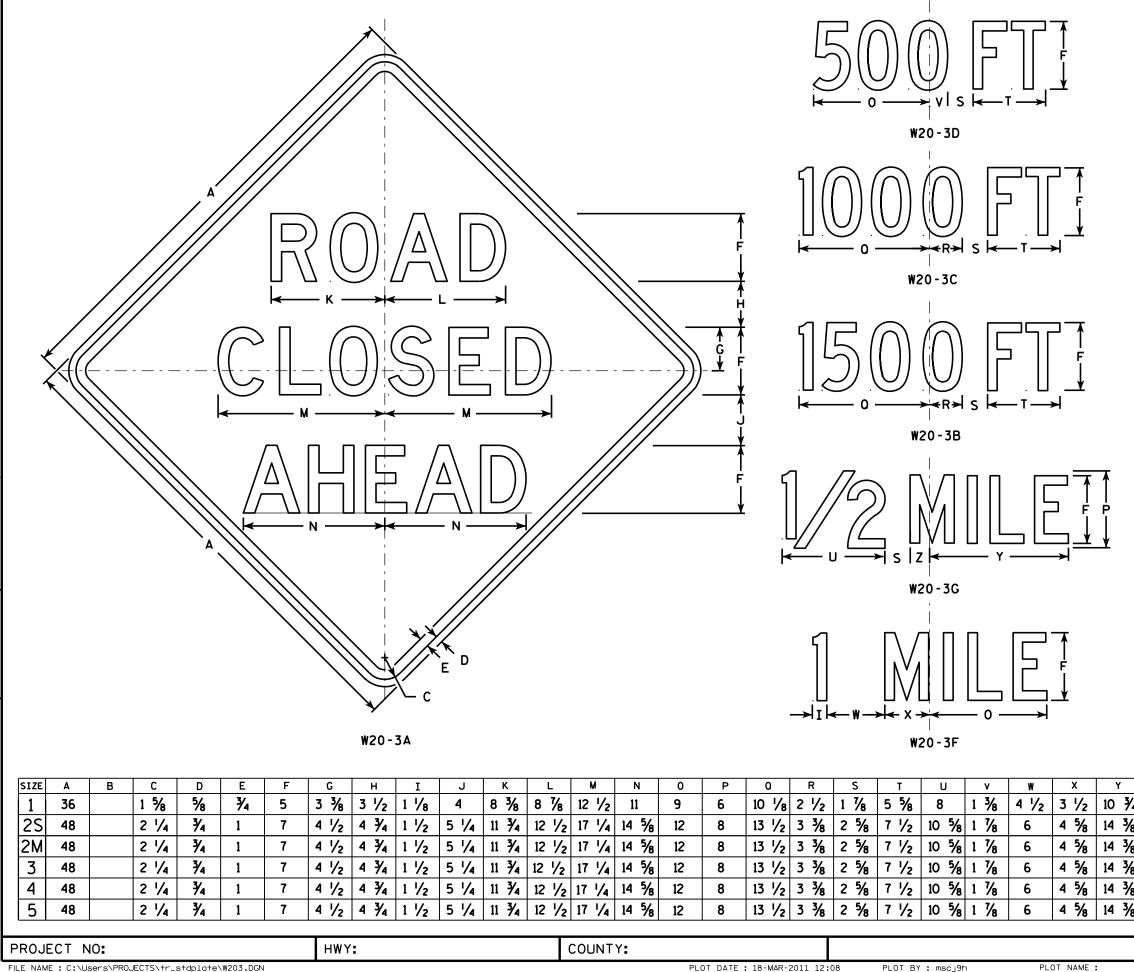




FILE NAME · C·\CAEfiles\Projects\tr\_stdplate\W201 DCN

7

PLOT BY . \$\$ plotuser \$\$



FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W203.DGN

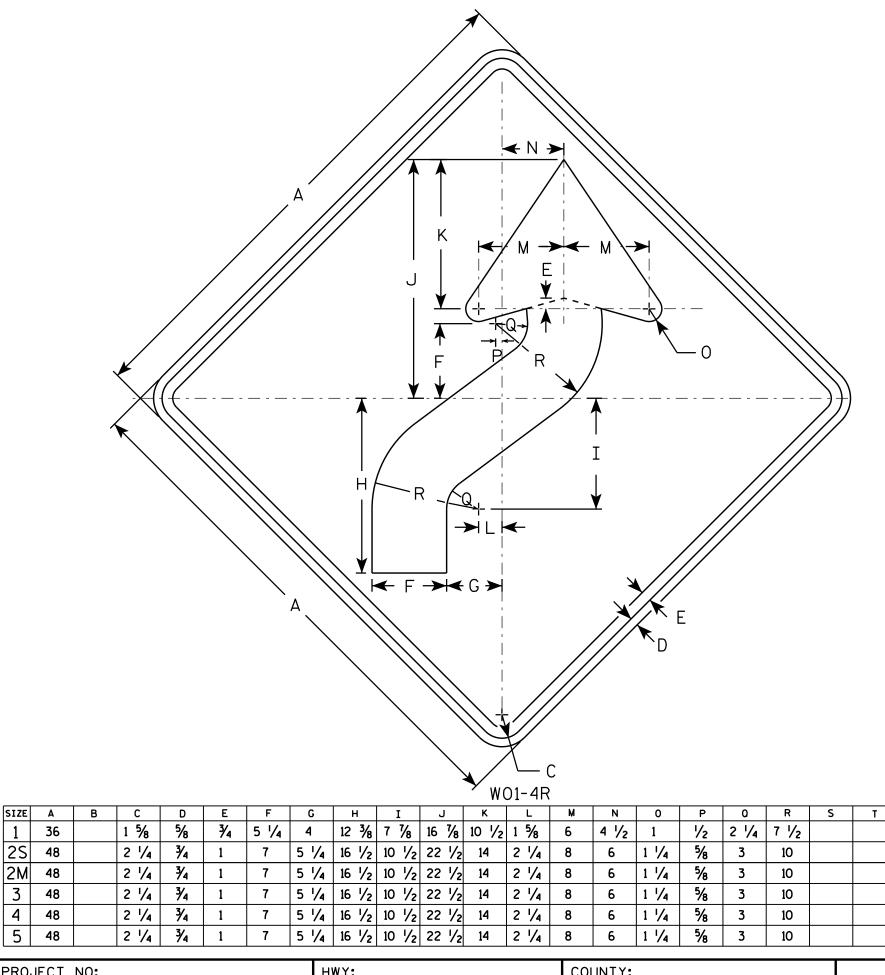
7

PLOT DATE : 18-MAR-2011 12:08

## NOTES

- 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 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. Lines 1 and 2 are Series D. Line 3 is Series D for AHEAD and Series C for all other distances.

	Z	Ζ	Areo sq. ft.	
4	1 3	¥4	9.0	STANDARD SIGN
3	2	⅔	16.0	
3	2	3⁄8	16.0	W2O-3A, B, C, D, F & G
5	2	⅔	16.0	WISCONSIN DEPT OF TRANSPORTATION
3	2	⅔	16.0	APPROVED Matther R Rauch
;	2	⅔	16.0	For State Traffic Engineer DATE 3/18/11 PLATE NO. W20-3.7
		SHEET NO: E		
			PLOT S	CALE : 9.931739:1.000000 WISDOT/CADDS SHEET 42



- 2. Color:

U

V

- Background Orange Message - Black

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W

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PROJECT NO:	HWY:	COUNTY:		
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN		PLOT DATE : 28-FEB-2014 11:	35 PLOT BY : mscj9h	PLOT NAME :

## NOTES

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

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.

4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

		STANDARD SIGN			
Z	Area sq. ft.	WO1-4			
	9.0	WOI-4			
	16.0	WISCONSIN DEPT OF TRANSPORTATION			
	16.0	APPROVED 100 110 0 0			
	16.0	Matther & Rauch			
	16.0	for State Traffic Engineer			
	16.0	DATE <u>11/18/1</u> 3 plate no. <u>W01-4.1</u>			
		SHEET NO: E			

WISDOT/CADDS SHEET 42

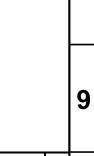
## STH 54 EARTHWORK

STATION	AREA (SF) CUT	INCREMENTAL VOL (CY) (UNADJUSTED) CUT	CUMULATIVE VOL (CY) 1.00 CUT	MASS ORDINATE
256+15.49	65.39	0	0	0
256+50.00	99.78	106	106	106
257+00.00	100.06	185	291	291
257+50.00	100.97	186	477	477
258+00.00	101.65	188	664	664
258+50.00	94.41	182	846	846
258+67.45	0.00	31	876	876

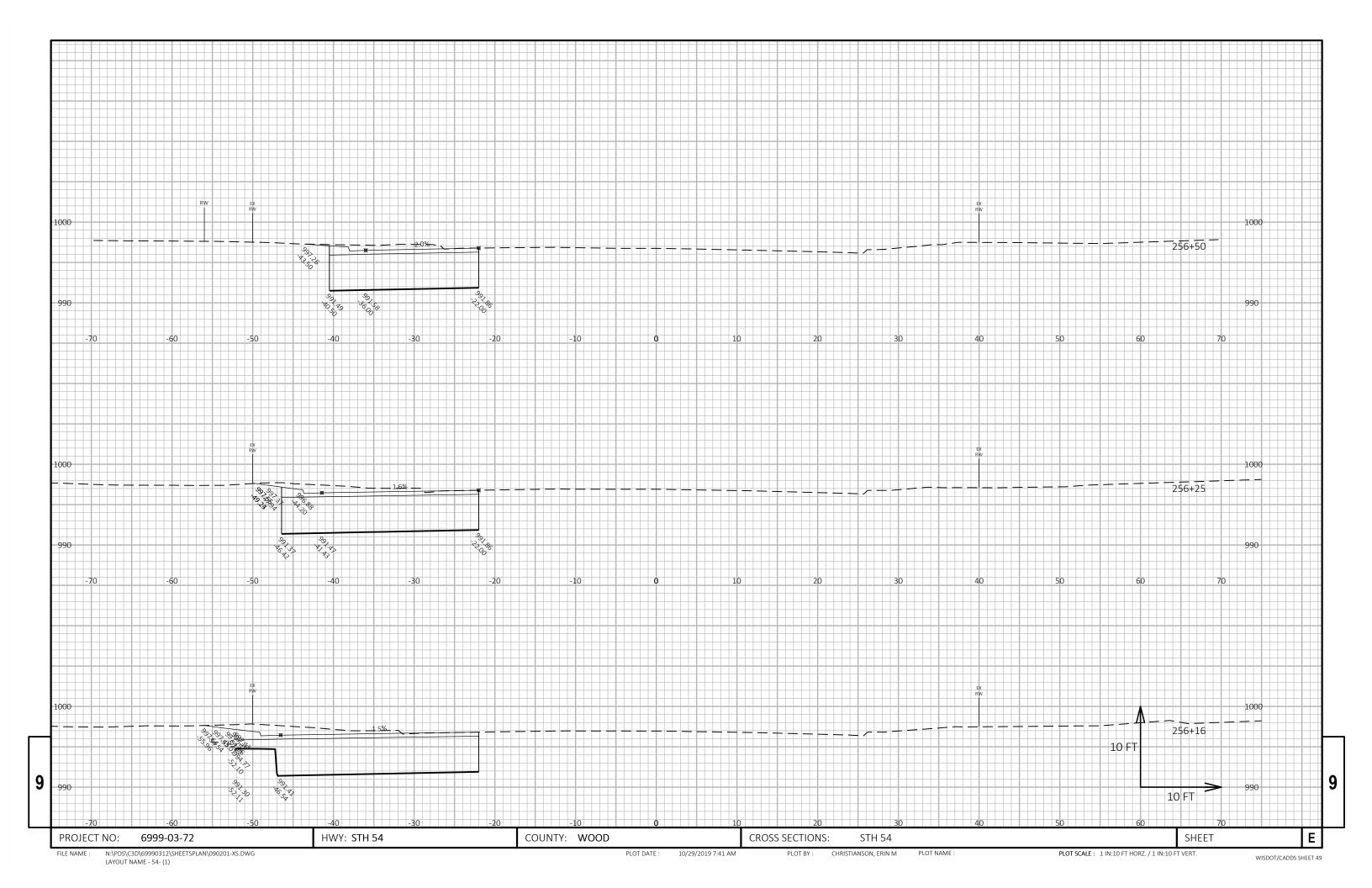
## SENECA ROAD EARTHWORK

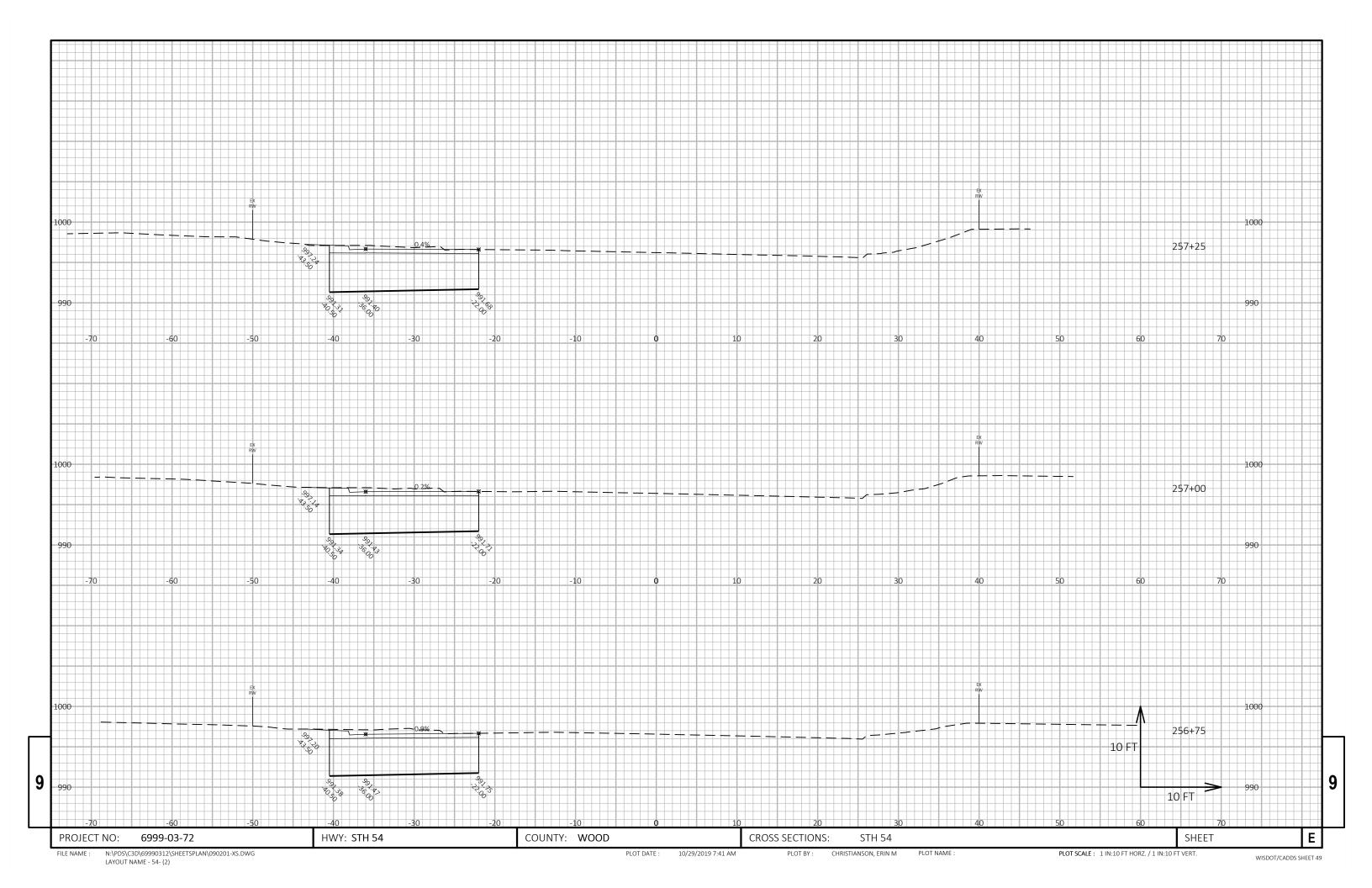
STATION	AREA (SF) CUT	INCREMENTAL VOL (CY) (UNADJUSTED) CUT	CUMULATIVE VOL (CY) 1.00 CUT	MASS ORDINATE
8'S'+50.82	0.00	0	0	0
9'S'+00.00	11.93	11	11	11
9'S'+50.00	59.90	67	77	77
9'S'+77.12	0.00	30	107	107

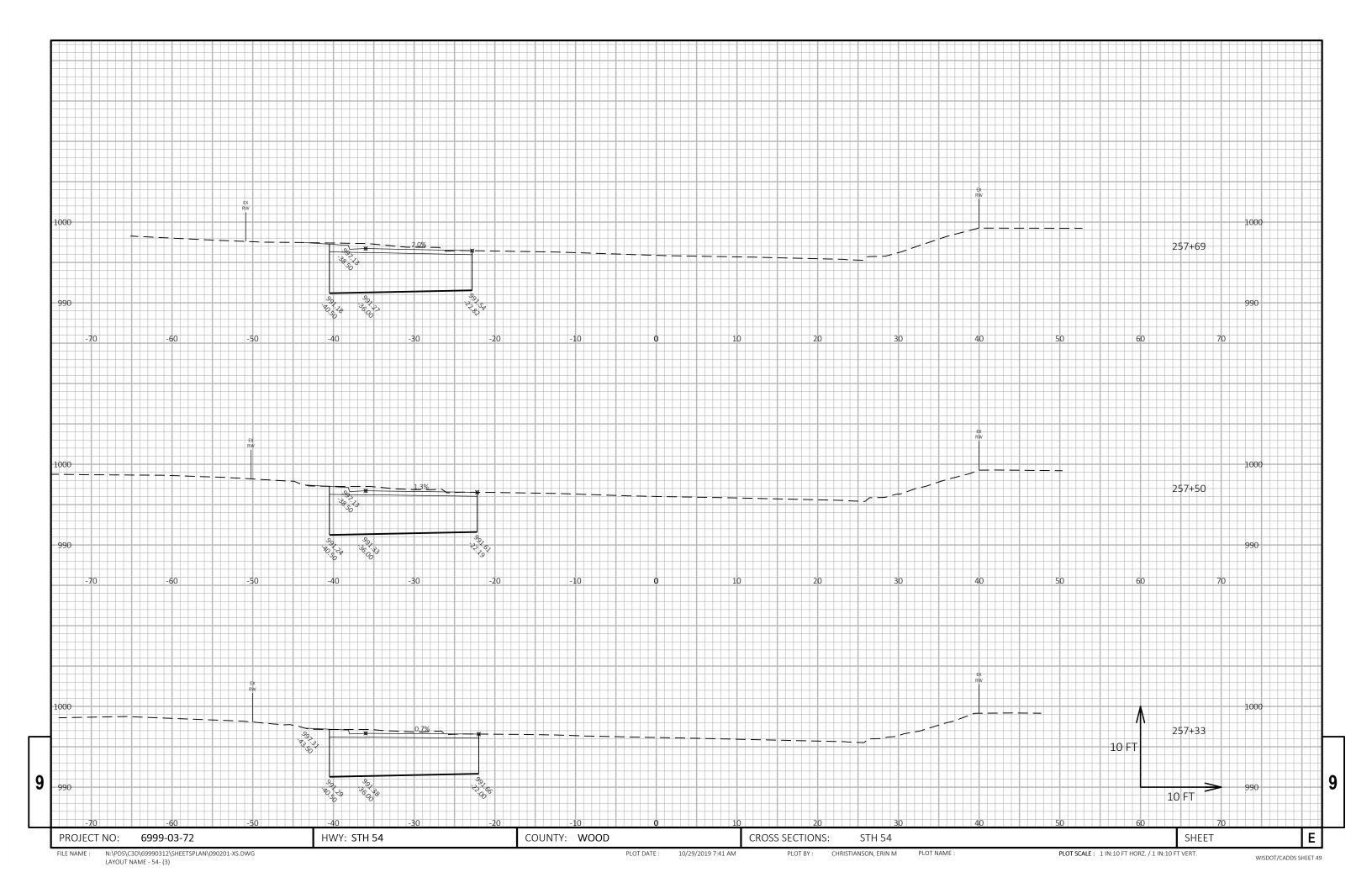
	PROJECT NO: 6999-03-72	HWY: STH 54	COUNTY: WOOD	EARTHWORK	
•	FILE NAME : N:\pds\design_id\6999-03-12_STH_54_Seneca_Rd_HSIP\Design_relate	d information\Estimate	PLOT DATE : <u>10/29/2019 7:41 AM</u>	PLOT BY :	PLOT NAME : 090101_ew.pptx

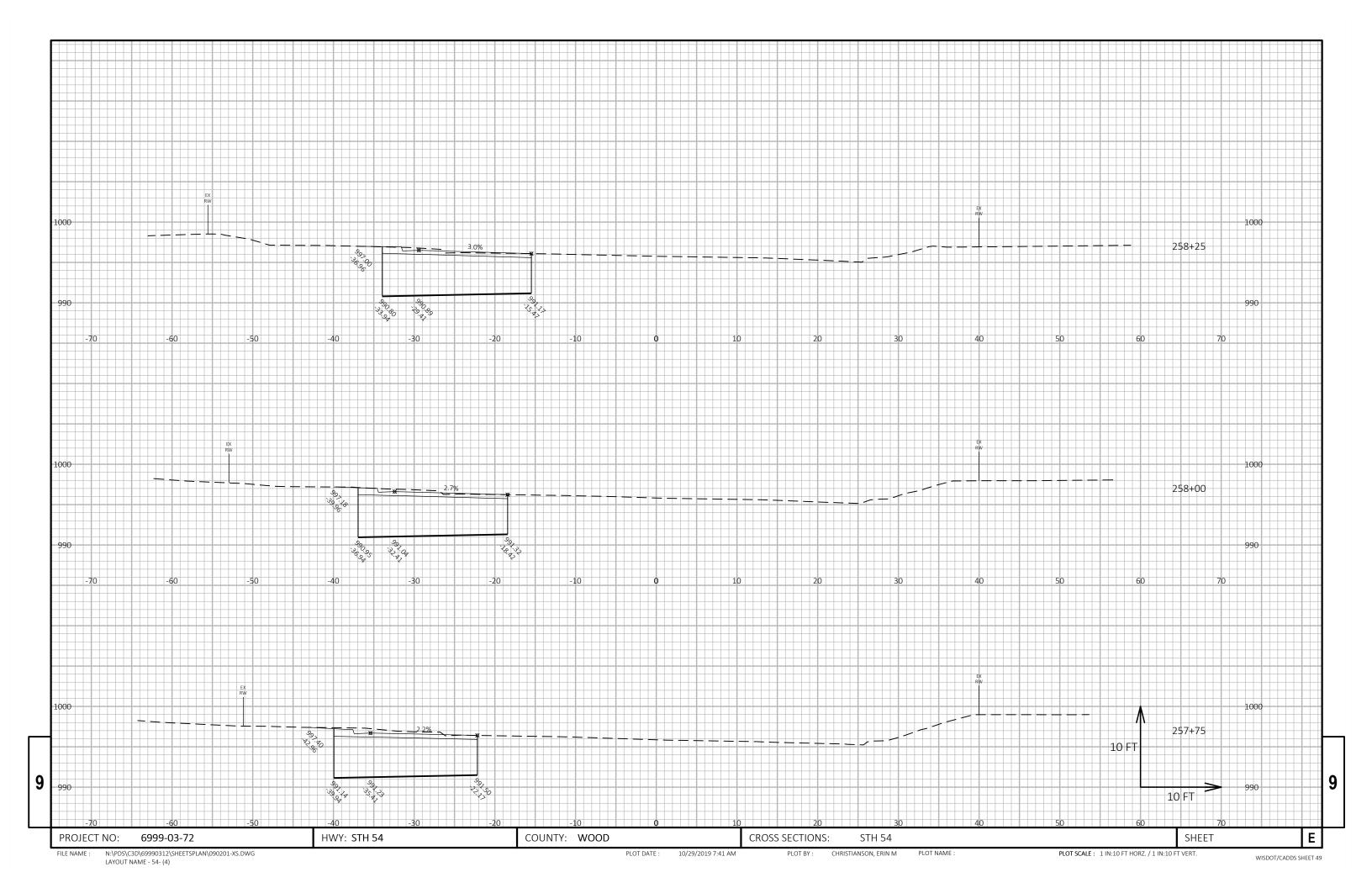


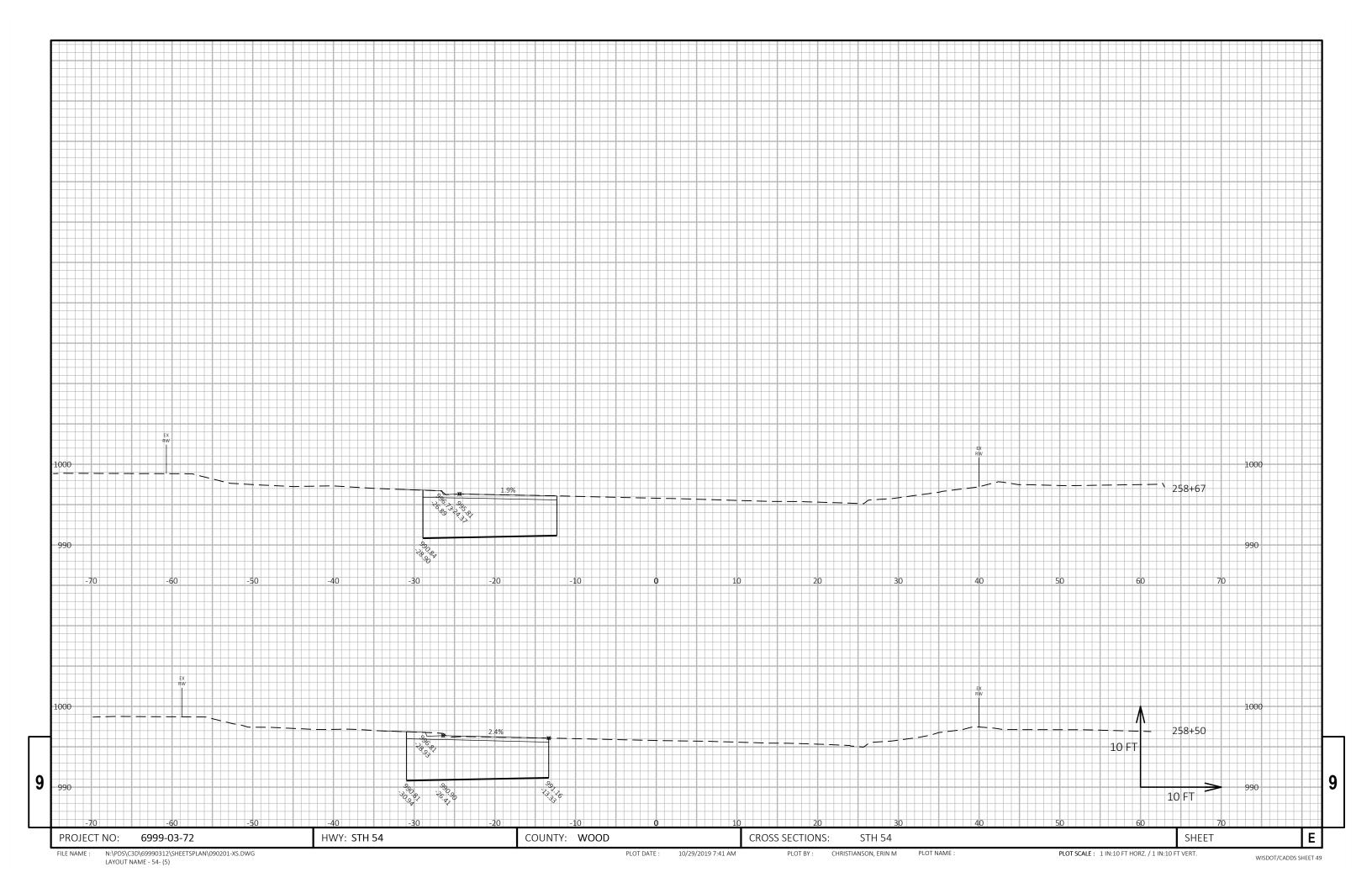
х		

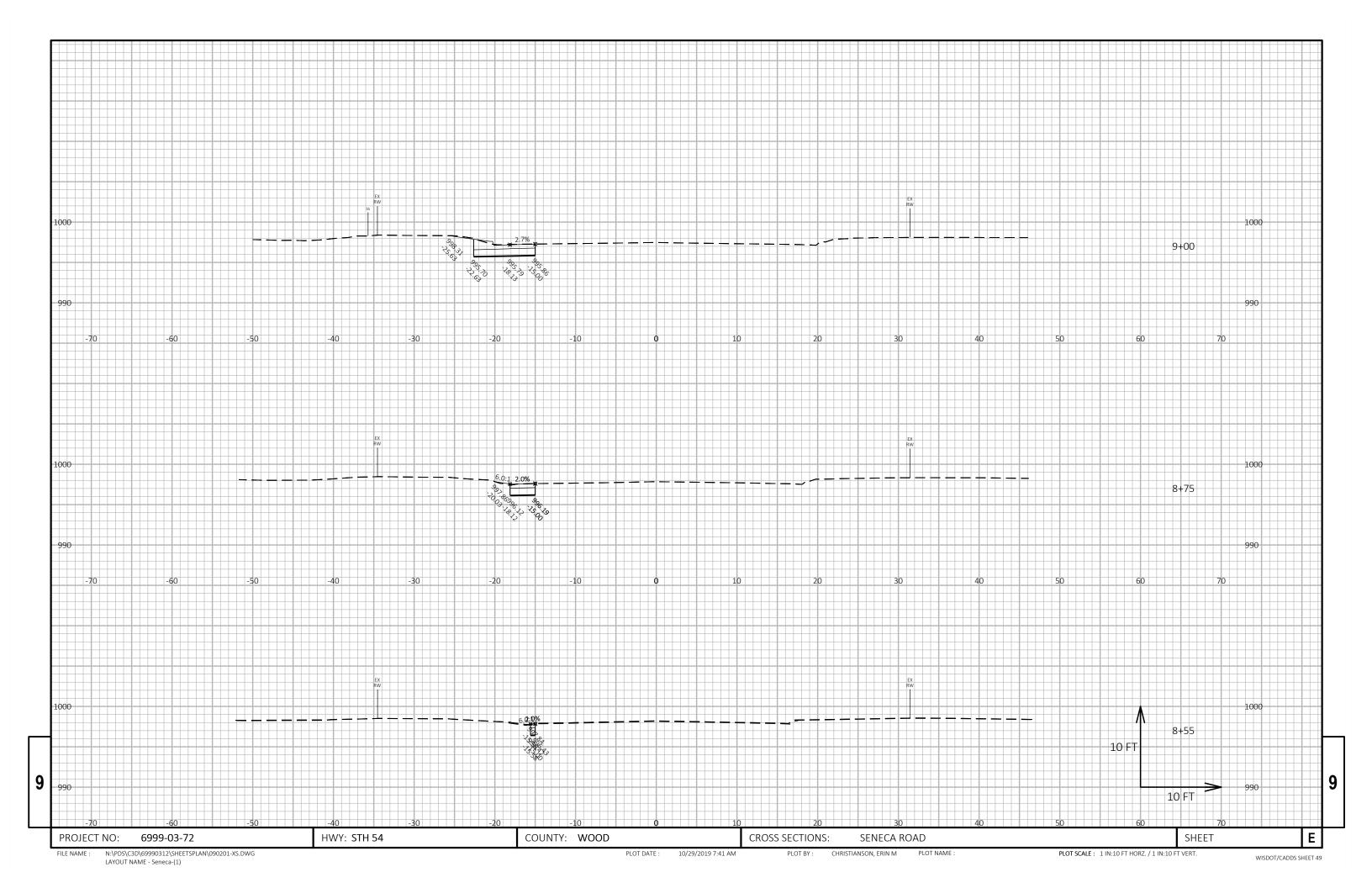


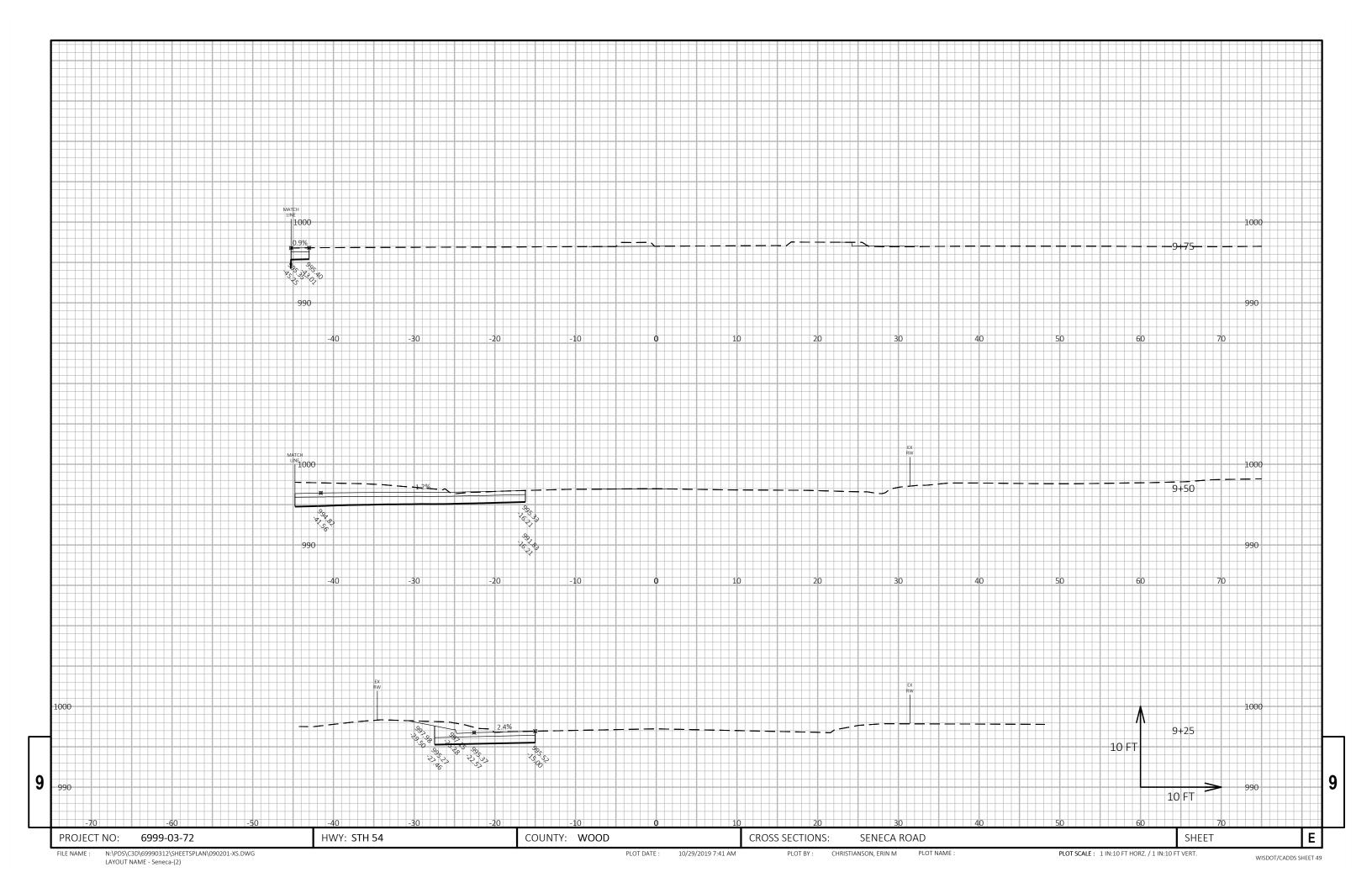


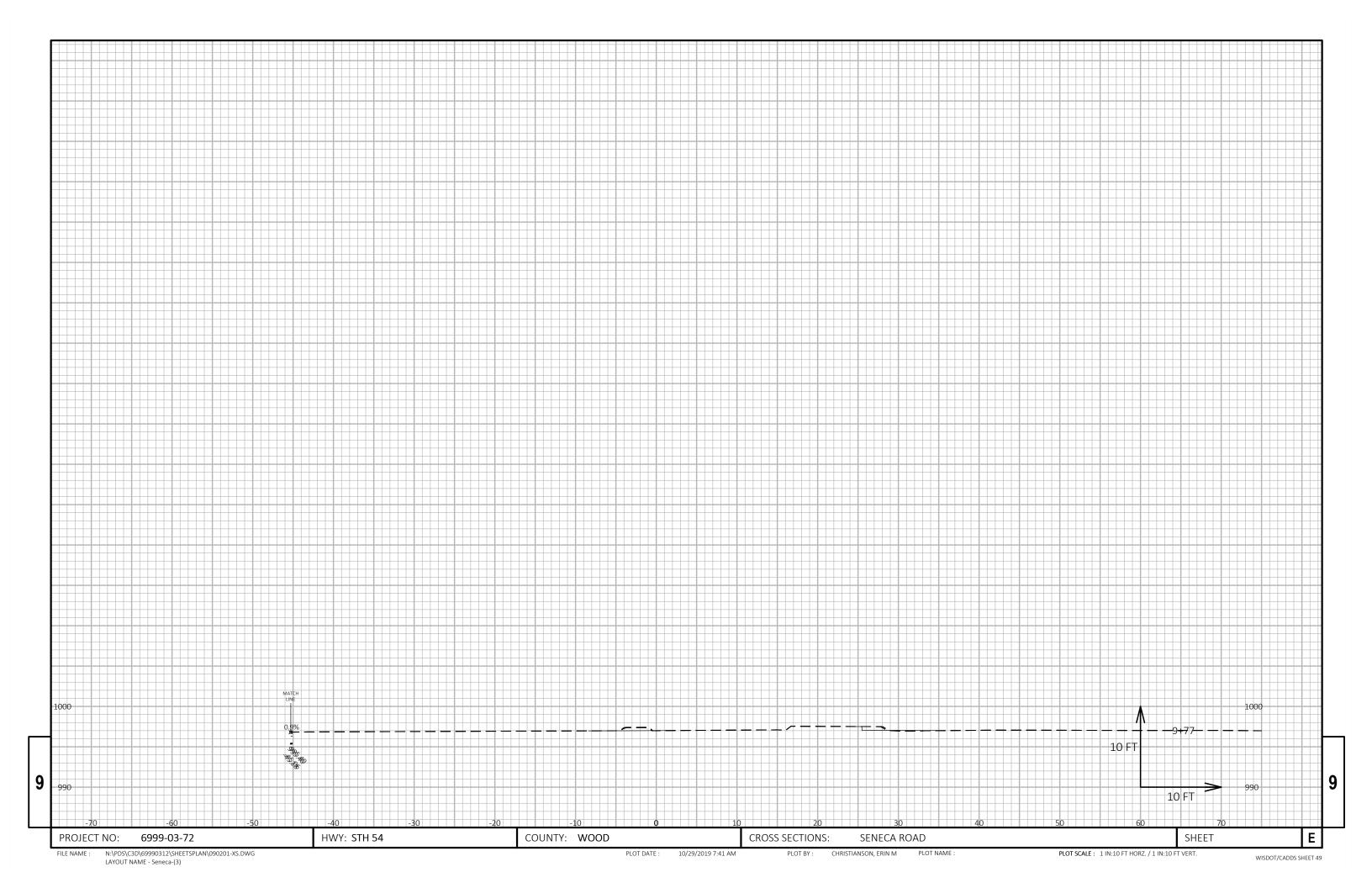




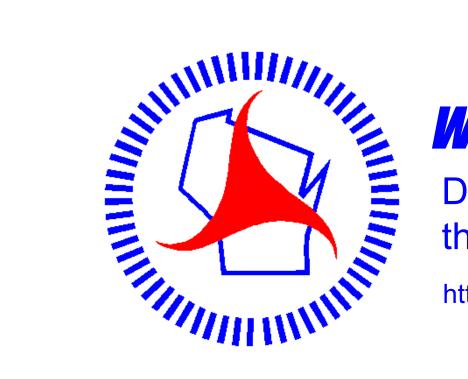








## Notes



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