JUNE 2022

Section No.

Section No.

Section No.

Section No.

Section No.

Section No.

ORDER OF SHEETS

TOTAL SHEETS = 130

Typical Sections and Details (Includes Erosion Control Plans)

Estimate of Quantities

Plan and Profile

Miscellaneous Quantities

Standard Detail Drawings

# STATE OF WISCONSIN **DEPARTMENT OF TRANSPORTATION**

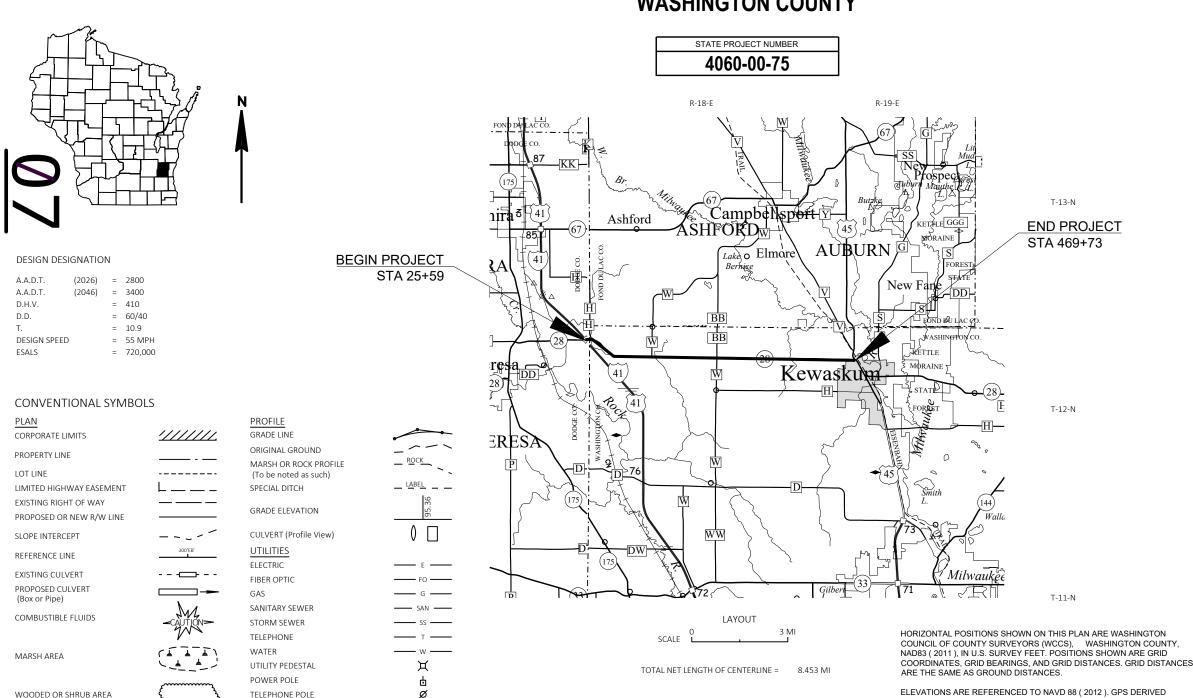
PLAN OF PROPOSED IMPROVEMENT

## FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT 4060-00-75 WISC 2022432

## **MAYVILLE TO KEWASKUM**

**WEST WASHINGTON CO LN TO USH 45** 

## **STH 28 WASHINGTON COUNTY**



CORRE **ENGINEERING** JESSICA D.

LEWIS

E-37589

Lake Geneva,

WI 3/31/22 (Professional Engineer Signature)

ORIGINAL PLANS PREPARED BY

### STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor Designer Project Manage

Ε

ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

#### **GENERAL NOTES**

MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

CONTACT THE PROJECT ENGINEER AND THE COUNTY SURVEYOR AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT.

RESHAPE, RESTORE AND FINISH ALL PREVIOUSLY GRASSED AREAS DISTURBED BY OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT NO EXPENSE TO THE DEPARTMENT.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR EROSION MATTED AS DIRECTED BY THE ENGINEER.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER.

TOTAL LAYER	
PAVEMENT	
THICKNESS	

2 INCHES

HMA PAVEMENT ITEM

4 MT 58-28 S

## THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION CHRIS DAILEY PO BOX 47 WAUKESHA, WI 53187 PHONE: (262) 506-6884 EMAIL: CDAILEY@ATCLLC.COM

FRONTIER COMMUNICATIONS OF WILLC -COMMUNICATION LINE

RUSS RYAN 118 DIVISION STREET PLYMOUTH, WI 53073 PHONE: (920) 583-3275

EMAIL: RUSSELL.W.RYAN@FTR.COM

KEWASKUM WATER DEPARTMENT - ROAD FACILITY, SEWER & WATER DENNIS AUPPERI F 1002 FOND DU LAC AVENUE KEWASKUM, WI 53040 PHONE: (262) 626-4310

EMAIL: DAUPPERLE@VILLAGE.KEWASKUM.WI.US

#### **UTILITY CONTACTS**

CHARTER COMMUNICATIONS - COMMUNICATION LINE NICK FRASE 1515 WEST WASHINGTON STREET

KEWASKUM WATER DEPARTMENT - ROAD FACILITY,

EMAIL: DAUPPERLE@VILLAGE.KEWASKUM.WI.US

WEST BEND, WI 53095 PHONE: (920) 793-2216

SEWER & WATER

**DENNIS AUPPERLE** 

1002 FOND DU LAC AVENUE

KEWASKUM, WI 53040

PHONE: (262) 626-4310

EMAIL: NICK.FRASE@CHARTER.COM

**EVERSTREAM - COMMUNICATION LINE** SHAD GARCIA 324 E WISCONSIN AVE, SUITE 730

MILWAUKEE, WI 53202 PHONE: (414) 522-6685 EMAIL: SGARCIA@EVERSTREAM.NET

SPRINT COMMUNICATIONS CO LP - COMMUNICATION LINE

DAN HILLIARD

849 EARL ST SAINT PAUL, MN 55106

PHONE: (612) 217-3526

EMAIL: DAN.J.HILLIARD@T-MOBILE.COM

WE ENERGIES - ELECTRICITY WE ENERGIES - GAS/PETROLEUM WE ENERGIES UTILITY COORDINATOR JACOB HULBERT 500 S 116TH STREET 500 S 116TH STREET WEST ALLIS, WI 53214 WEST ALLIS, WI 53214 PHONE: (414) 221-2738 PHONE: (414) 944-5575

EMAIL: WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM EMAIL: JACOB.HULBERT@WE-ENERGIES.COM



#### ORDER OF SHEETS

GENERAL NOTES PROJECT OVERVIEW TYPICAL SECTIONS PLAN DETAILS CURB RAMP DETAILS TRAFFIC CONTROL PEDESTRIAN ACCOMODATION

#### DNR LIASION

WISCONSIN DEPARTMENT OF NATURAL RESOURCES KRISTINA BETZOLD 2300 N MARTIN LUTHER KING DR MILWAUKEE. WI 53212-3128 PHONE: (414) 343-9346 EMAIL: KRISTINA.BETZOLD@WISCONSIN.GOV

### WISDOT CONTACT

ROBERT BELLIN 141 NW BARSTOW STREET WAUKESHA, WI 53188 262-521-4405 ROBERT.BELLIN@DOT.WI.GOV

### SECTION CORNER CONTACT

SCOTT M. SCHMIDT, PE, RLS WASHINGTON COUNTY ENGINEER/SURVEYOR 900 LANG STREET WEST BEND, WI 53090 PHONE: 262-335-6881 EMAIL: SCOTT.SCHMIDT@CO.WASHINGTON.WI.US

#### **DESIGN CONTACT**

CORRE, INC. JESSICA LEWIS, PE 175 E WISCONSIN AVENUE SUITE 27 OCONOMOWOC, WI 53066 PHONE: 608-826-6293

EMAIL: JLEWIS@CORREINC.COM

PROJECT NO:

4060-00-75

HWY: STH 28

COUNTY: WASHINGTON

3/30/2022 8:40 AM

**GENERAL NOTES** 

SHEET

Ε

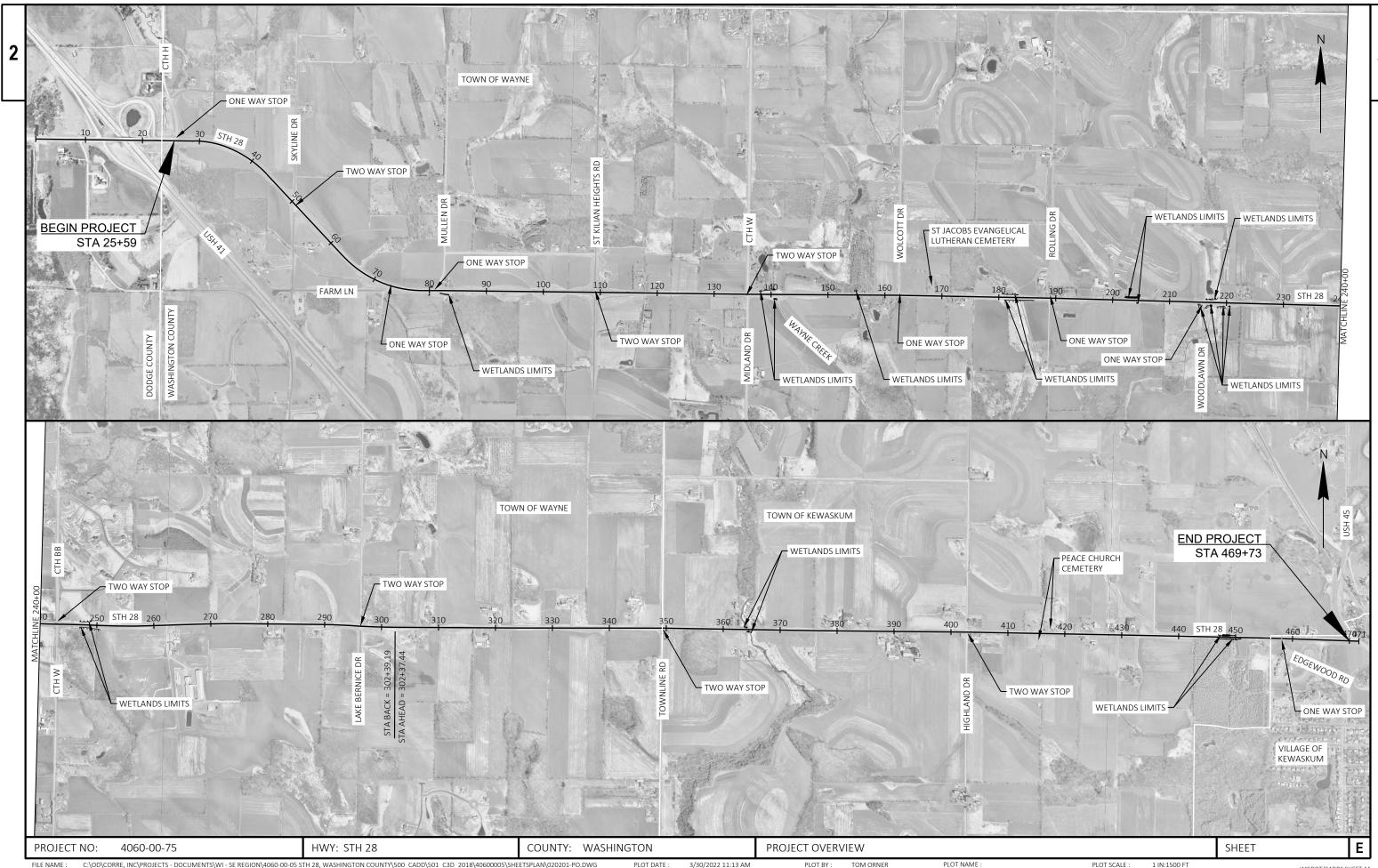
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PLOT BY:

TOM ORNER

PLOT NAME

PLOT SCALE : 1 IN:100 FT

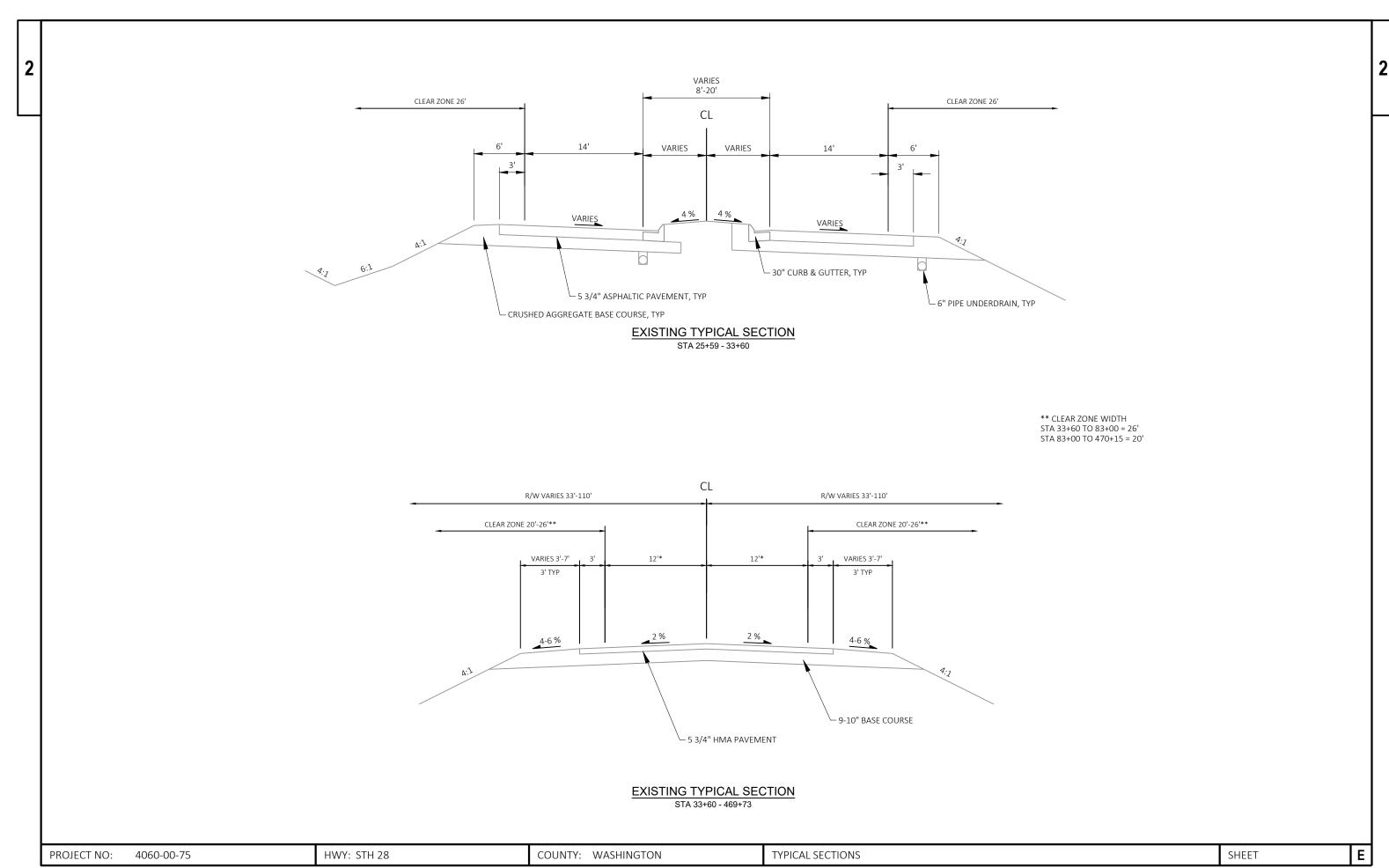


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3/30/2022 11:13 AM

TOM ORNER PLOT BY:

1 IN:1500 FT



PLOT BY :

PLOT NAME :

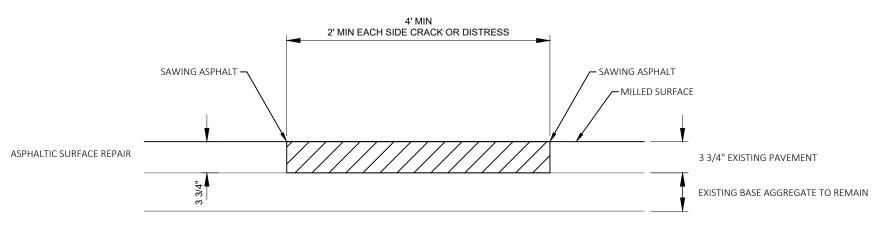
PLOT SCALE : 1 IN:10 FT

FILE NAME :

3/30/2022 9:01 AM

VERTICAL EDGE 2' MAX 2" MIN DEPTH PAY LIMIT HMA PAVEMENT — **BUTT JOINT** EXISTING ASPHALTIC PAVEMENT EXISTING PAVEMENT OR STRUCTURE REMOVING ASPHALTIC SURFACE, MILLING TEMPORARY PAPER JOINT PLACED AFTER MILLING TO BE REMOVED PRIOR TO PAVING BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE) HWY: STH 28 Ε PROJECT NO: 4060-00-75 COUNTY: WASHINGTON CONSTRUCTION DETAILS SHEET C:\OD\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 01 3/30/2022 9:07 AM PLOT BY: TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42

C:(OD/CORRE, INC/PROJECTS - DOCUMENTS/WI - SE REGION/4060-00-05 STH 28, WASHINGTON COUNTY/500\_CADD/S01\_C3D\_2018/40600005/SHEETSPLAN/021001-CD:DWG PLOT D
LAYOUT NAME - 01



### FULL DEPTH ASPHALTIC SURFACE REPAIR DETAIL

REMOVING ASPHALTIC SURFACE & REPLACING WITH ASPHALTIC SURFACE

FINAL DIMENSION TO BE DETERMINED BY ENGINEER IN THE FIELD.

\*REMOVING ASPHALTIC SURFACE MILLING TO BE DONE PRIOR TO SURFACE REPAIR.

REPLACE ASPHALTIC SURFACE TO ADJACENT SURFACE ELEVATION SAME DAY.

SEE ARTICLE #3 IN THE SPECIAL PROVISIONS.

TO BE COMPLETED WITH PAVING MACHINE.

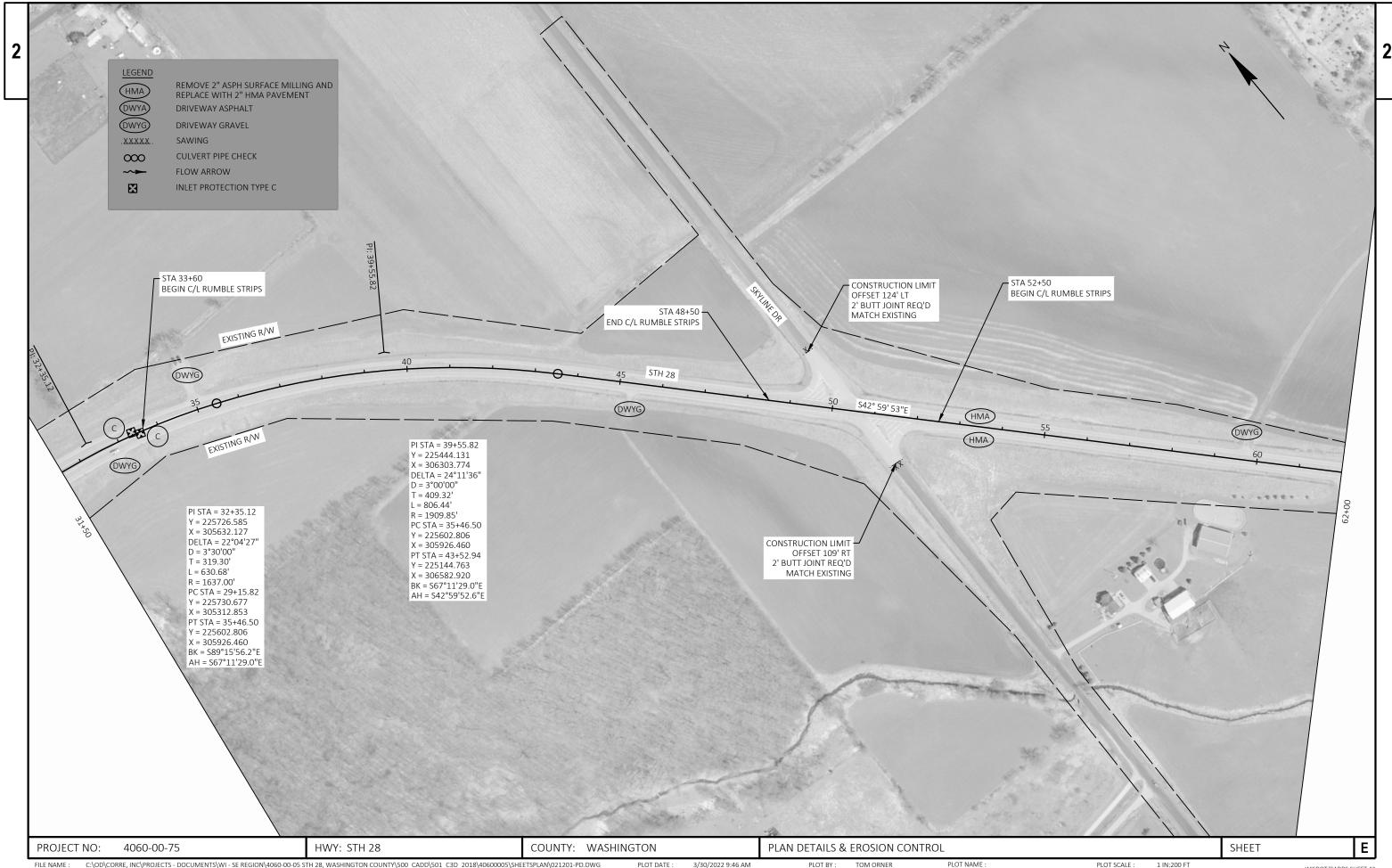
PROJECT NO: 4060-00-75 HWY: STH 28 COUNTY: WASHINGTON CONSTRUCTION DETAILS SHEET C:\OD\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\021001-CD.DWG LAYOUT NAME - 02 4/6/2022 10:14 AM PLOT BY: TOM ORNER PLOT NAME : FILE NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42

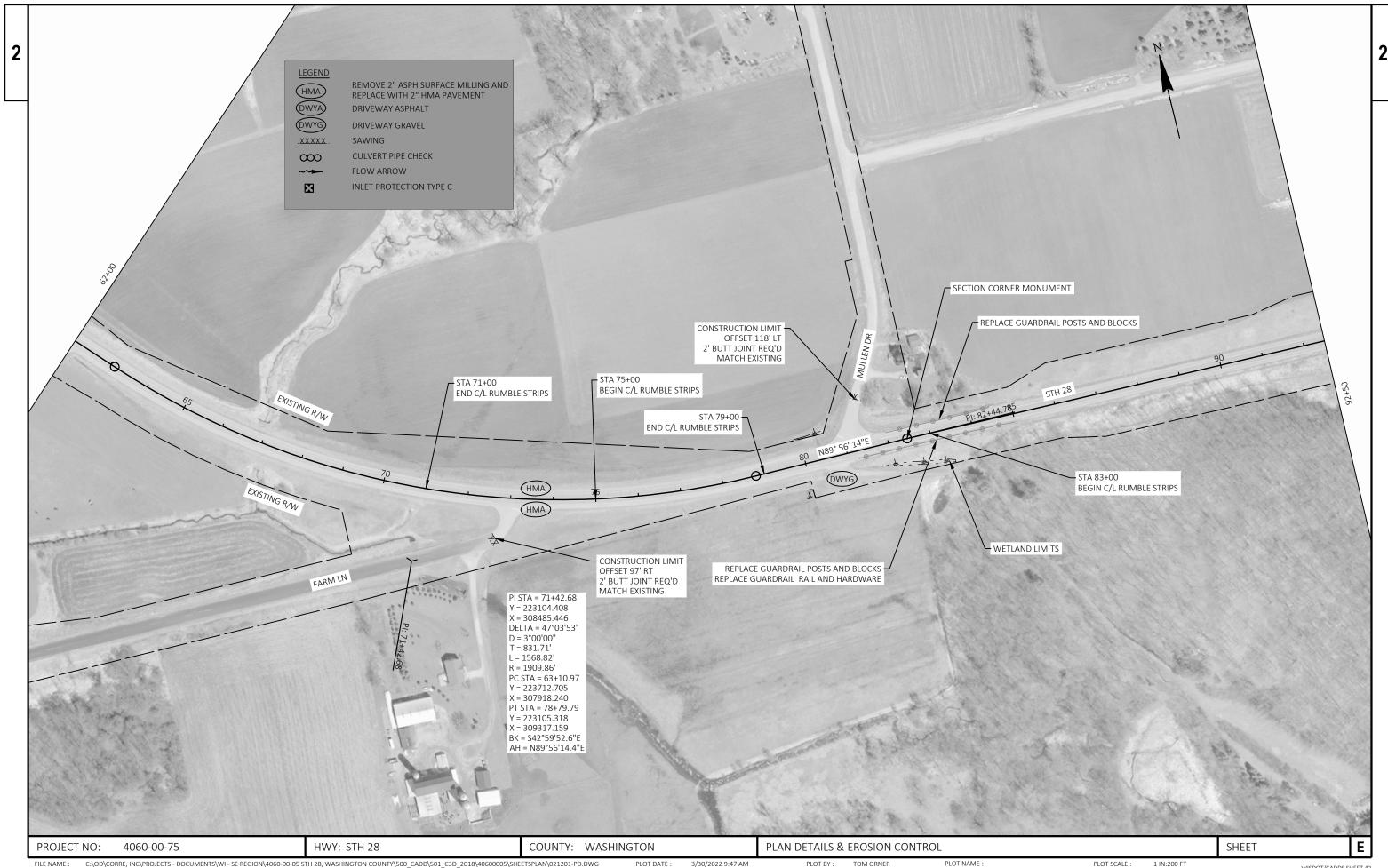


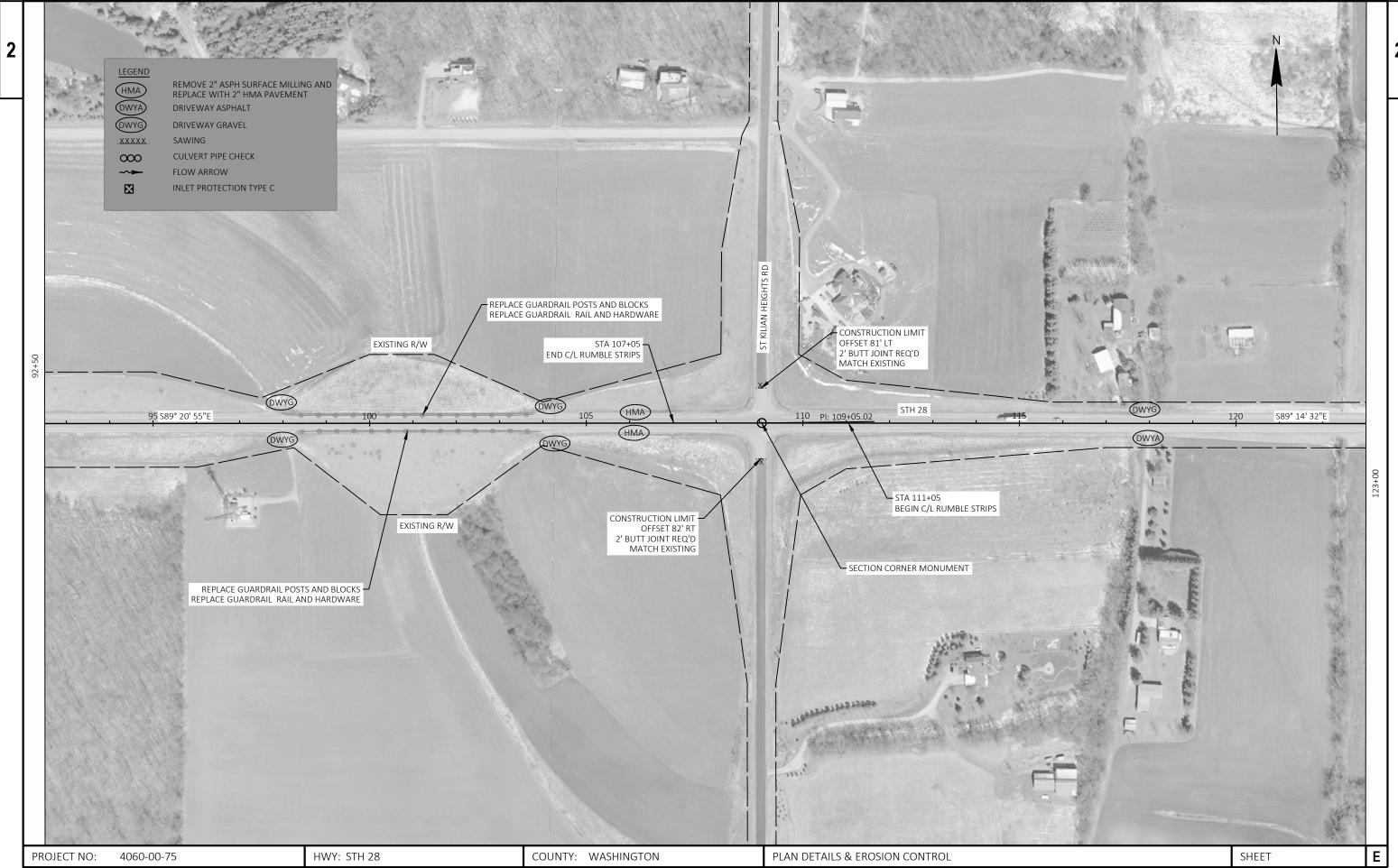
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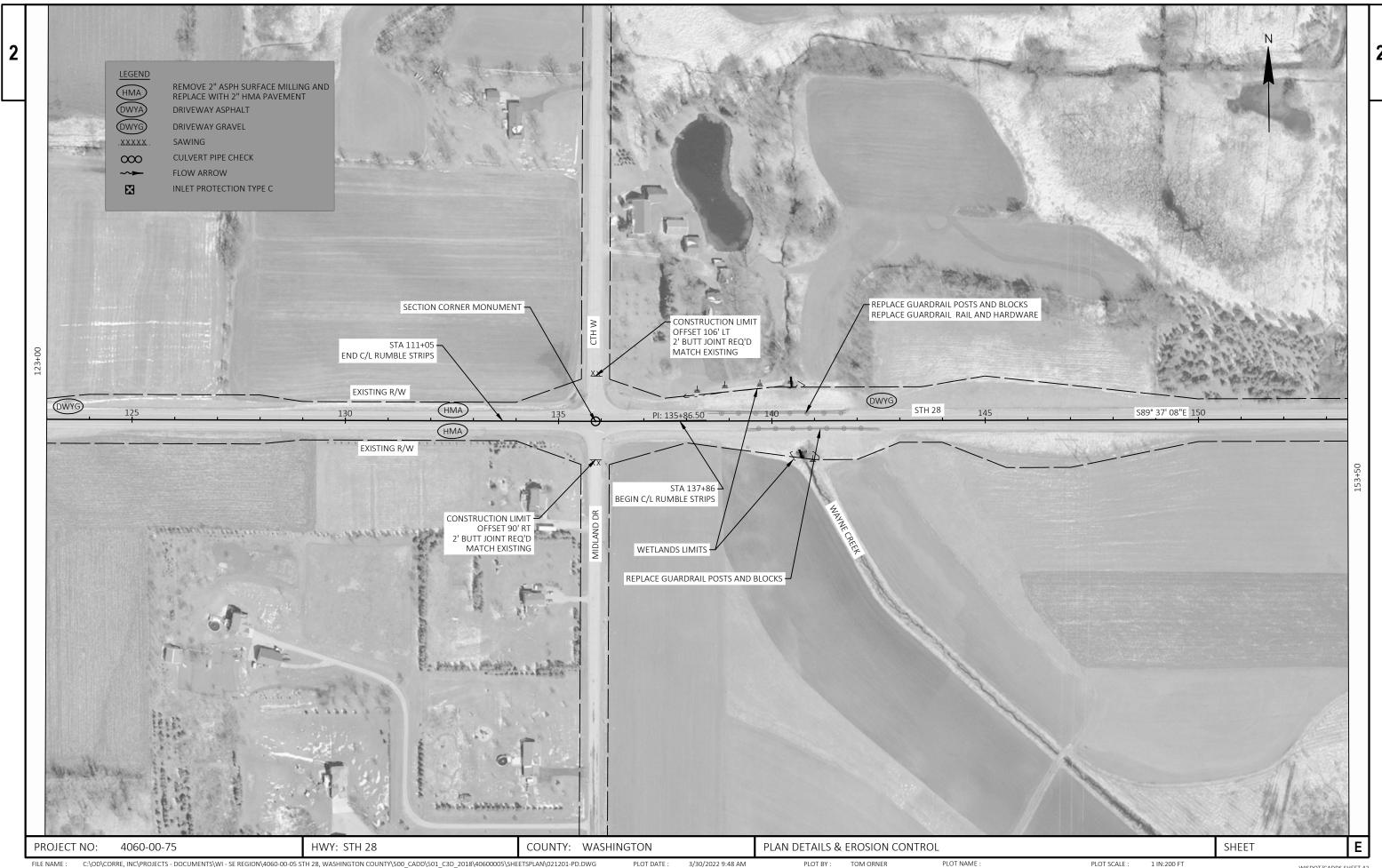
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PLOT SCALE :









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3/30/2022 9:48 AM

TOM ORNER

PLOT SCALE :

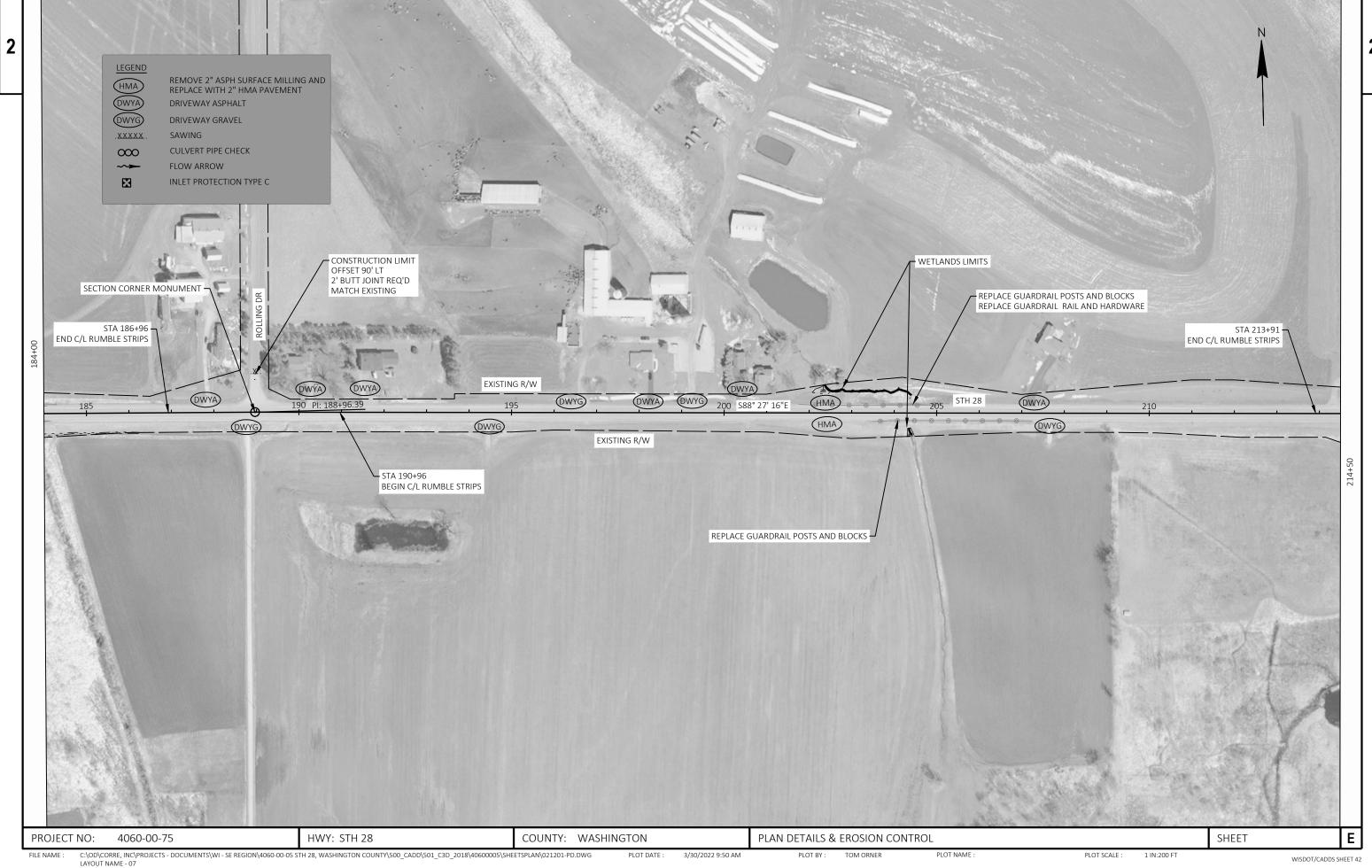


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TOM ORNER PLOT BY:

PLOT NAME :

PLOT SCALE : 1 IN:200 FT



PLOT SCALE :







PLOT DATE :



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201-PD.DWG PLOT DATE :

PL

3/30/2022 10:04 AM

PLOT BY: TOM ORNER

PLOT NAME : PLOT SCALE :

1 IN:200 FT



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3/30/2022 10:04 AM

TOM ORNER PLOT BY:

PLOT NAME :

1 IN:200 FT



PLOT DATE : 3/30/2022 10:05 AM

PLOT NAME :

PLOT SCALE :



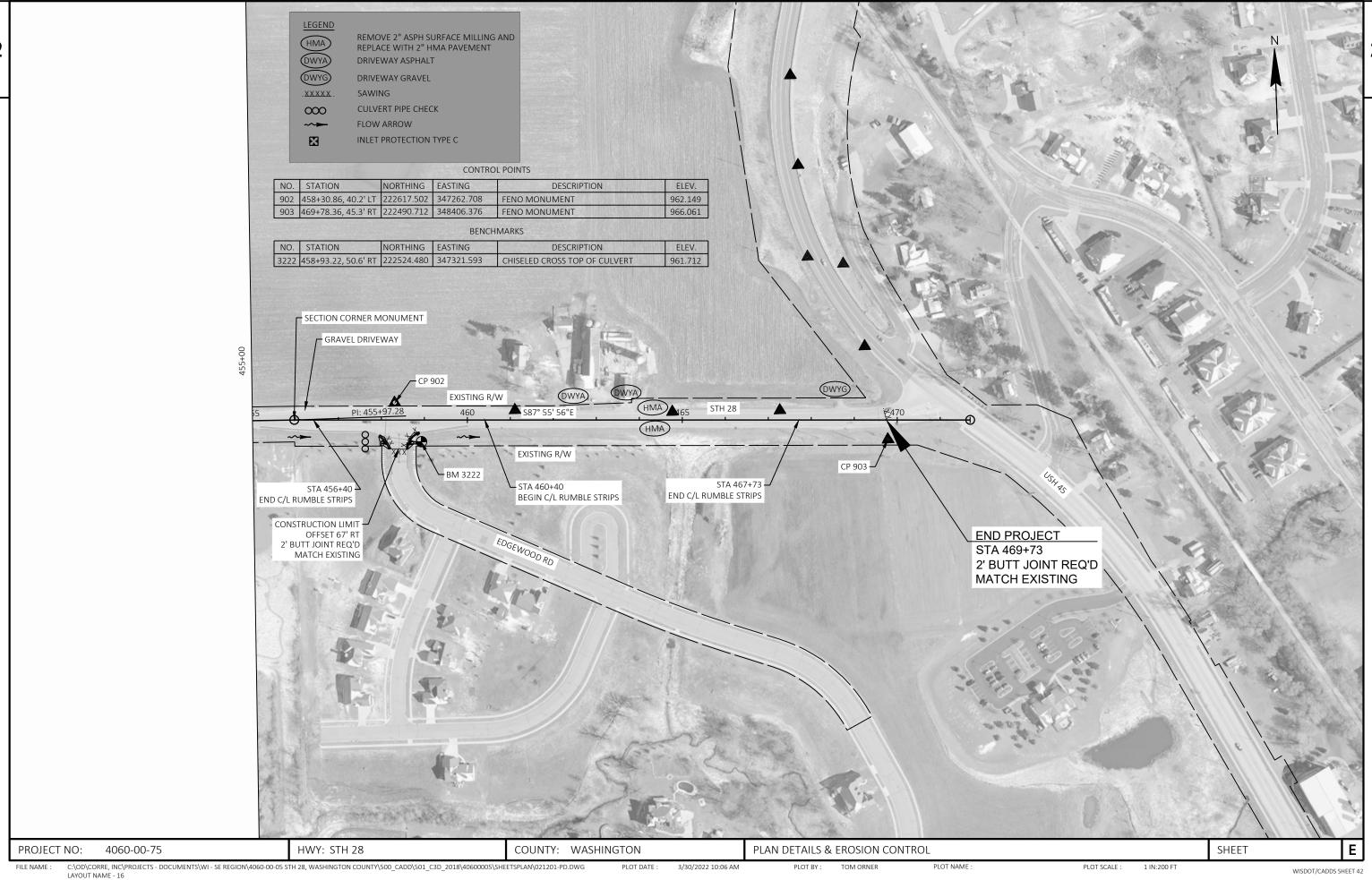
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PLOT NAME :

PLOT SCALE : 1 IN:200 FT



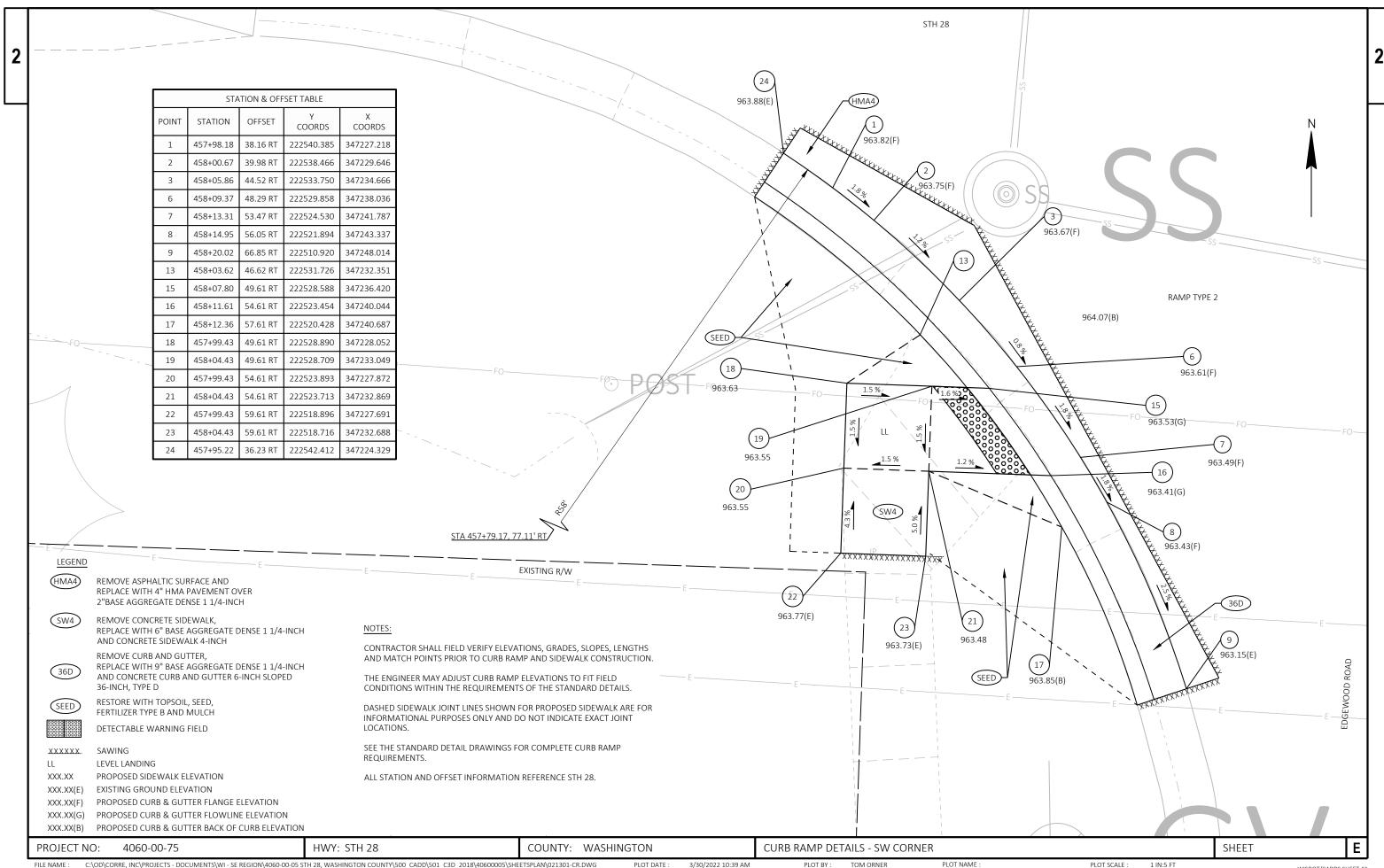


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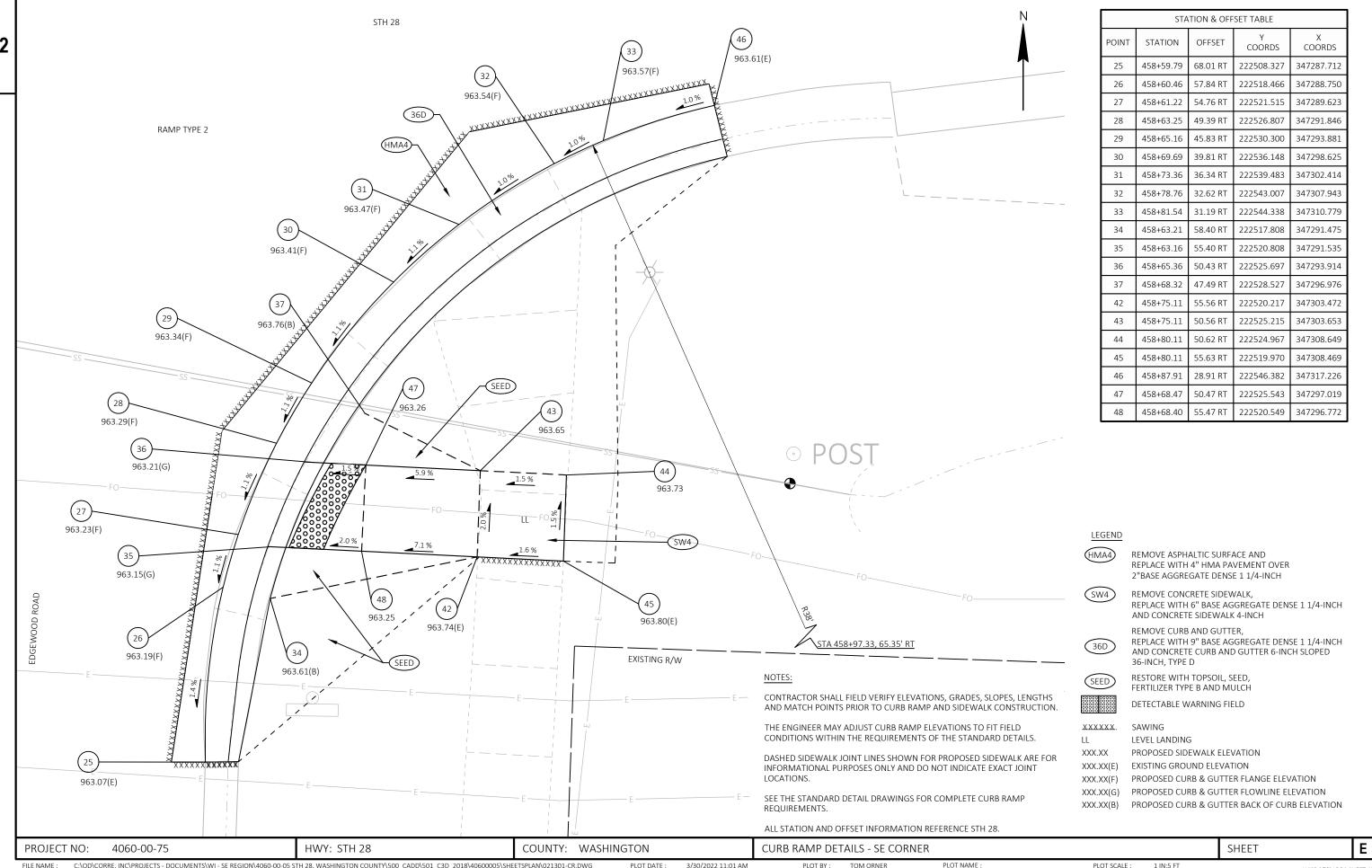
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PLOT BY : TOM ORNER PLOT NAME :

PLOT SCALE : 1 IN:200 FT







eac Existing Sign Mounted on Post(s)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

**■** CANTILEVER SIGN BRIDGE

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

NO SIGNS **IMPACTED** THIS SHEET

STH 28

TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO WISDOT. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION. SIGNING COORDINATOR COUNTIES PHONE # COUNTIES
MILWAUKEE, KENOSHA, WASHINGTON, OZAUKEE 414-750-2427 JENNY BUCKETT RACINE, WALWORTH, WAUKESHA

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POST SIZES FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION, WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

BOX OUT OR CORING OF CONCRETE SIGN POSTS IS INCIDENTAL TO THE POST

4060-00-75 HWY: STH 28 COUNTY: WASHINGTON PERMANENT SIGNING PLAN PLOT DATE :

3/31/2022 7:24 AM

PLOT BY: WAGNER, SCOTT H

PLOT NAME :

PLOT SCALE: 1 IN:100 FT

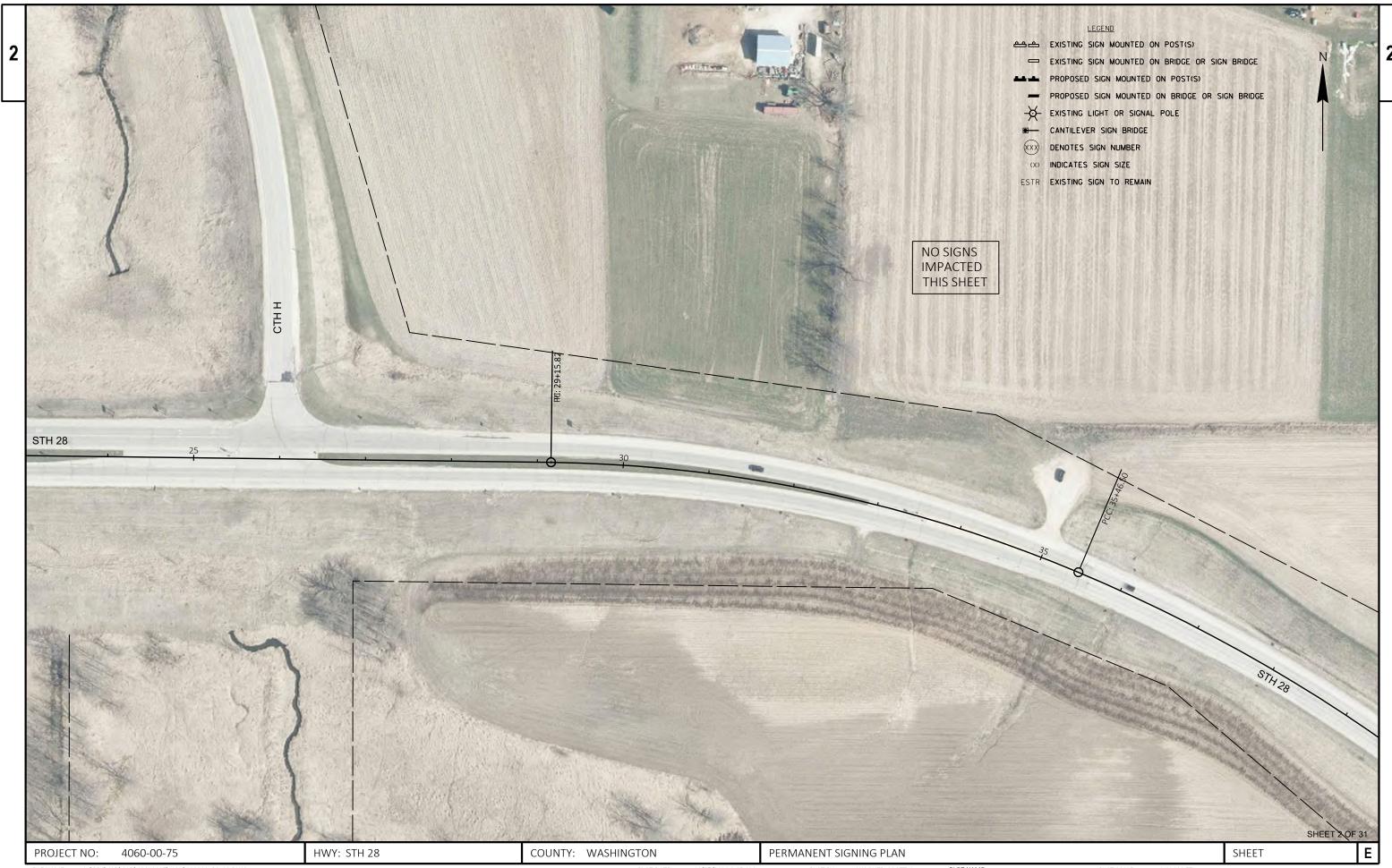
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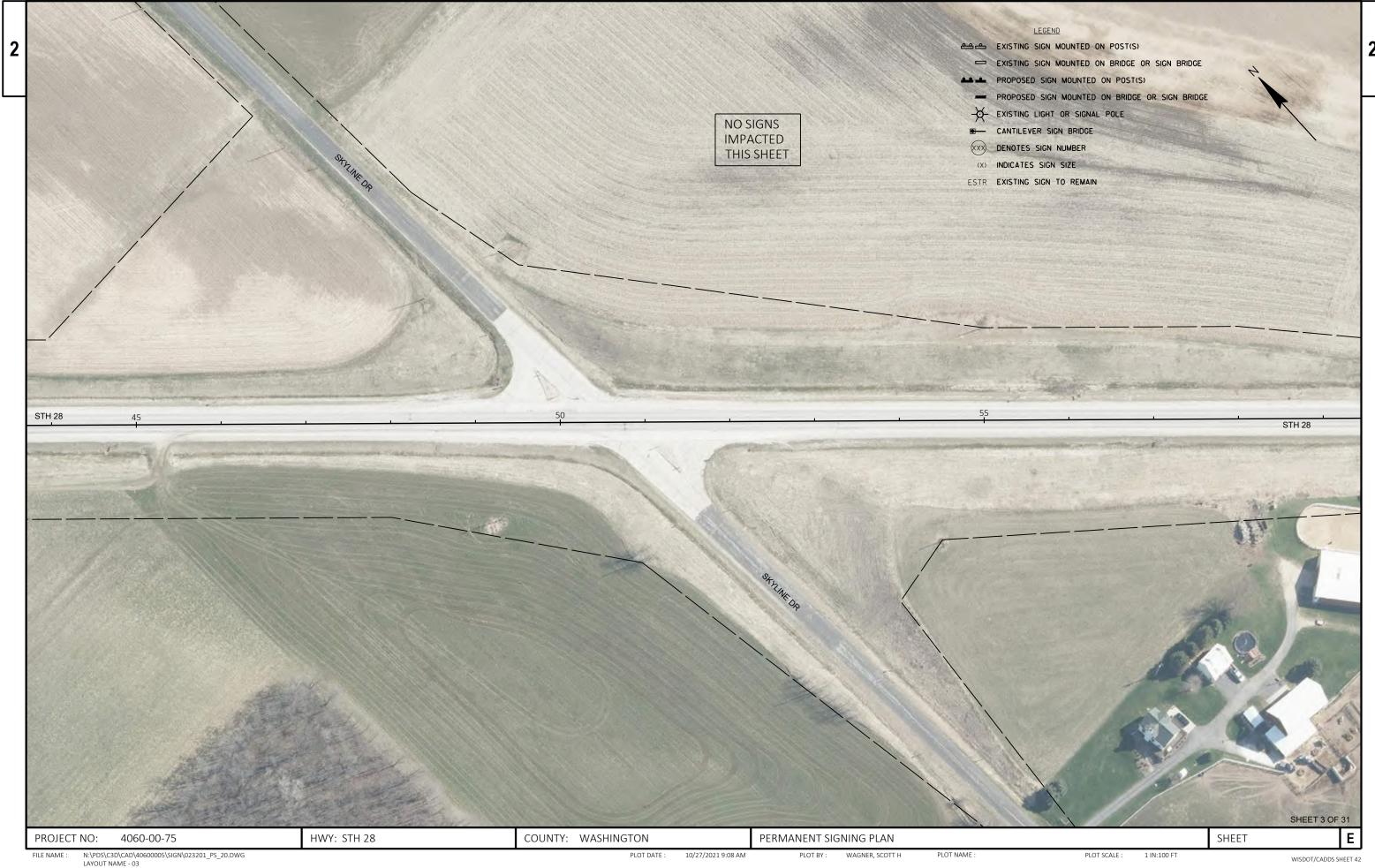
WISDOT/CADDS SHEET 42

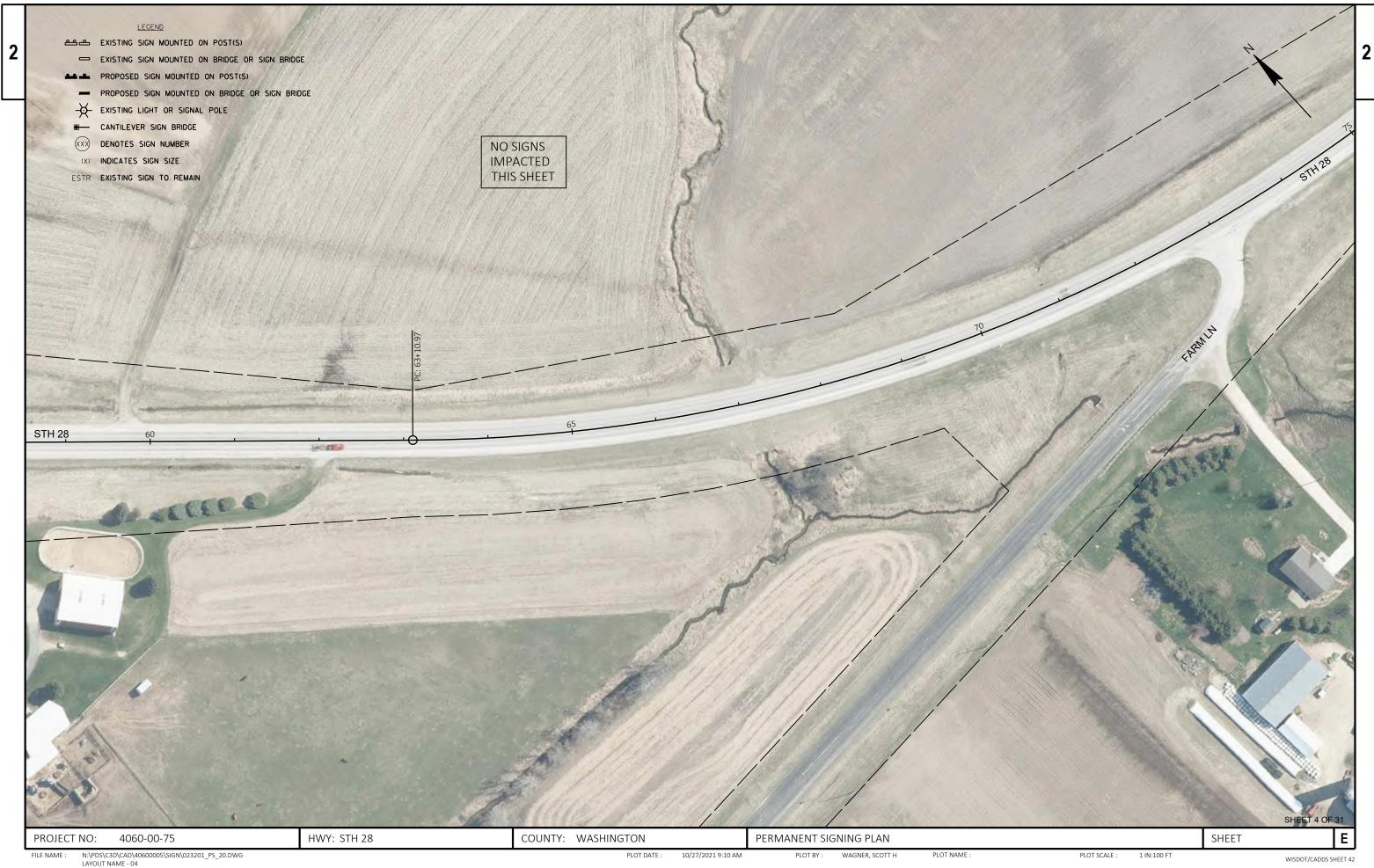
SHEET 1 OF 31

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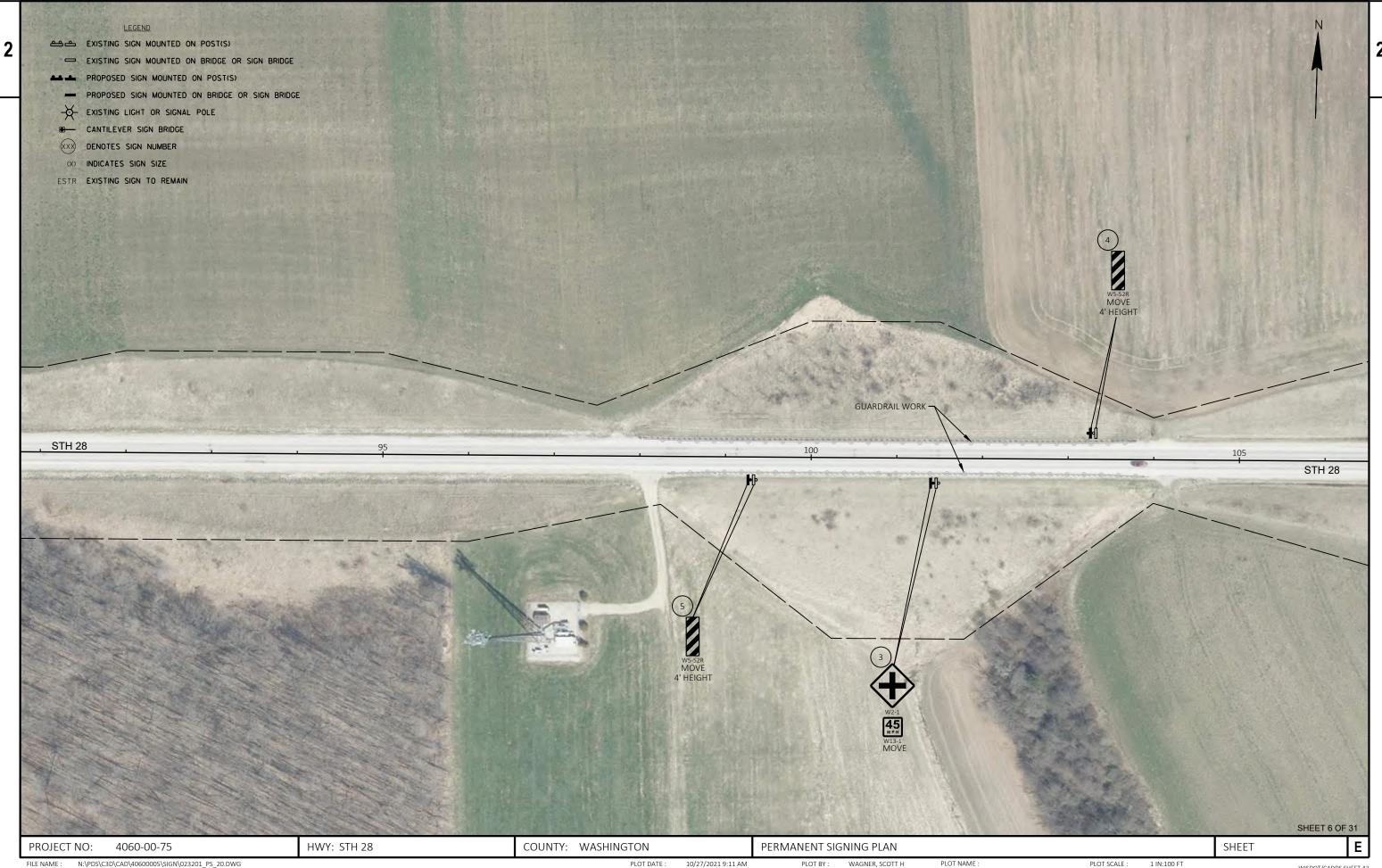




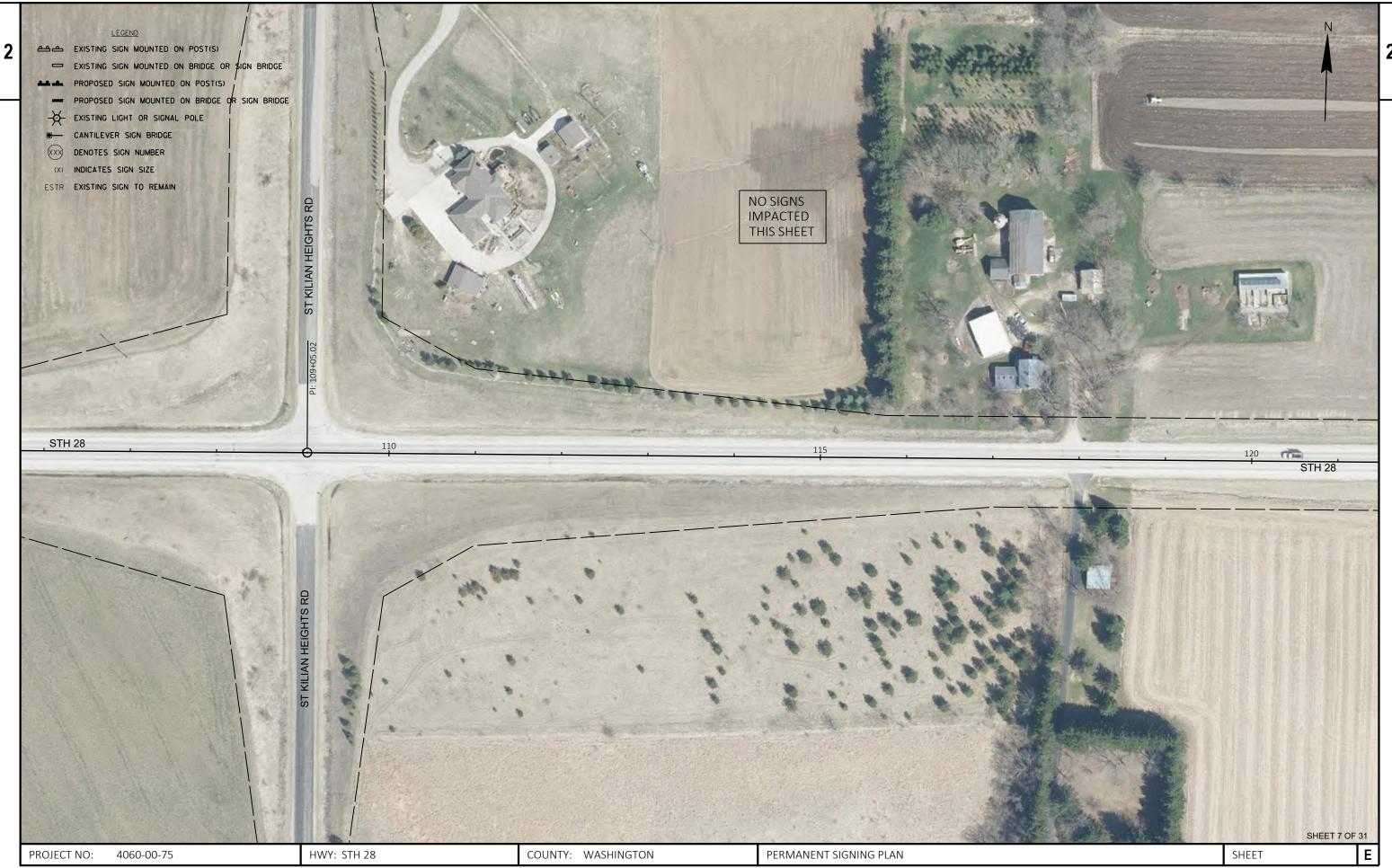




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N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 06 10/27/2021 9:11 AM WISDOT/CADDS SHEET 42



FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:11 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 07



N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 08 10/27/2021 9:11 AM



N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 09 FILE NAME : PLOT DATE : 10/27/2021 9:11 AM PLOT BY: WAGNER, SCOTT H PLOT NAME :



FILE NAME : N:\PDS\C3D\C3D\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 10 PLOT DATE : 10/27/2021 9:11 AM PLOT BY: WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:100 FT



FILE NAME: N:\PDS\C3D\CAD\\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:11 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 11



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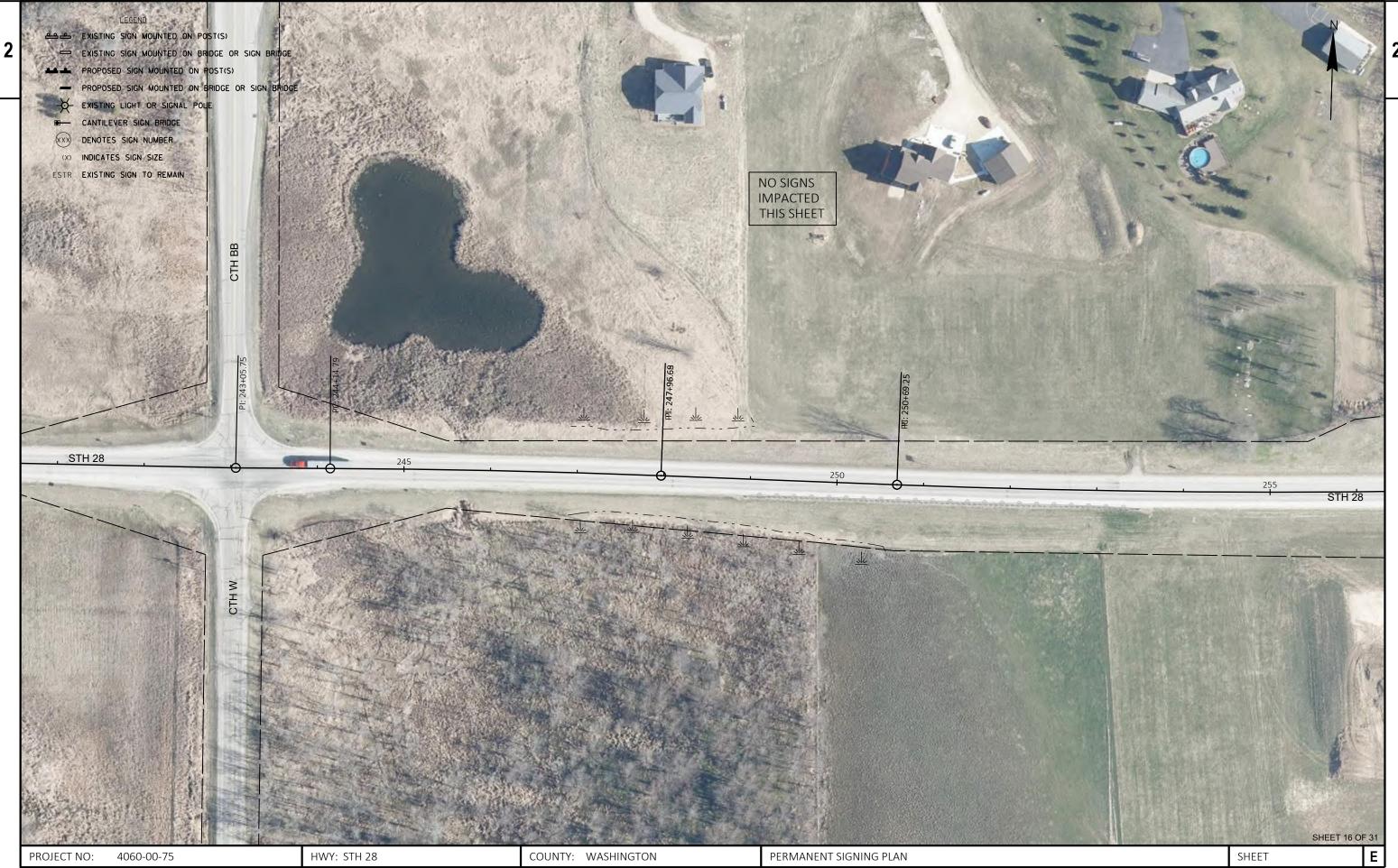
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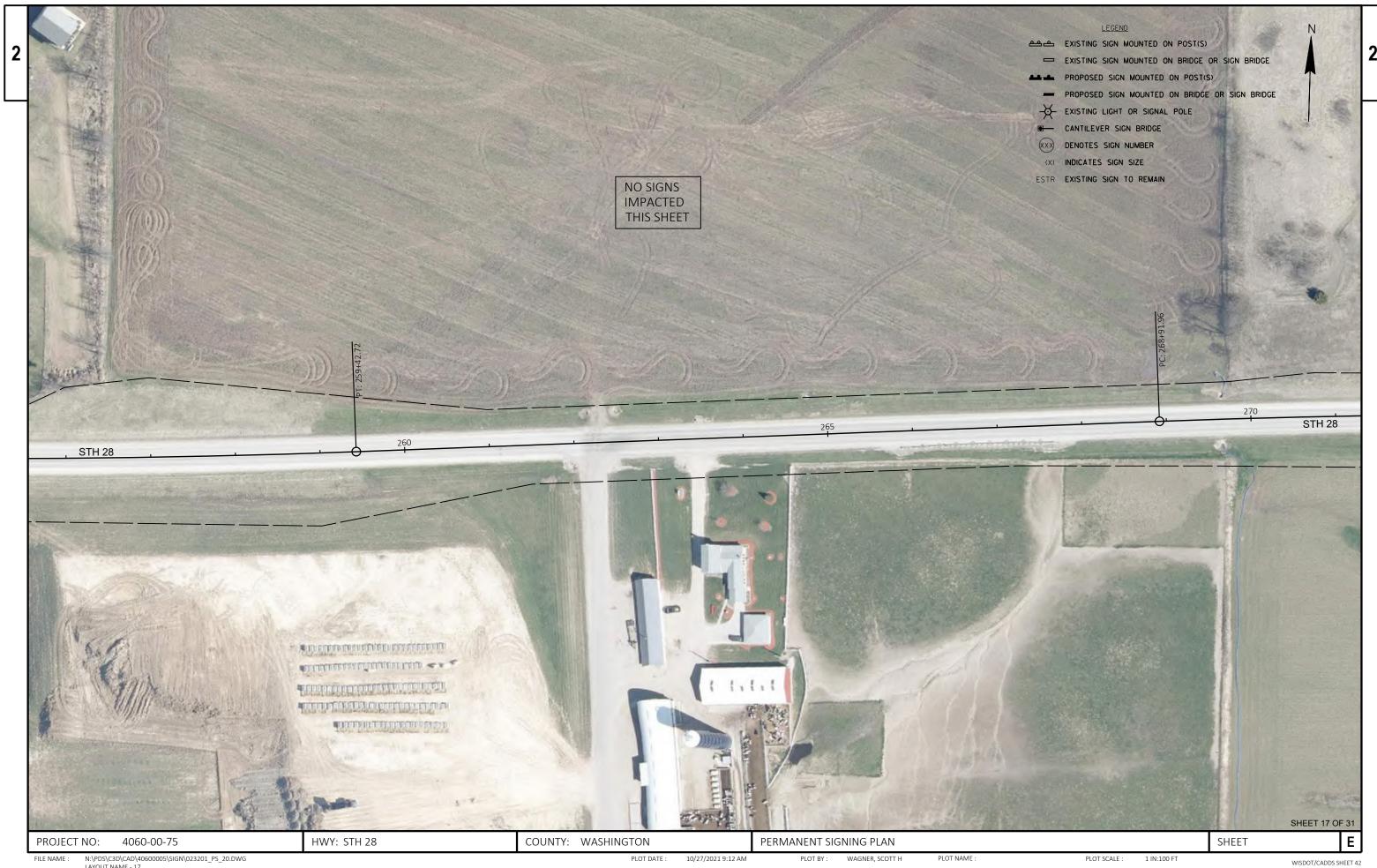
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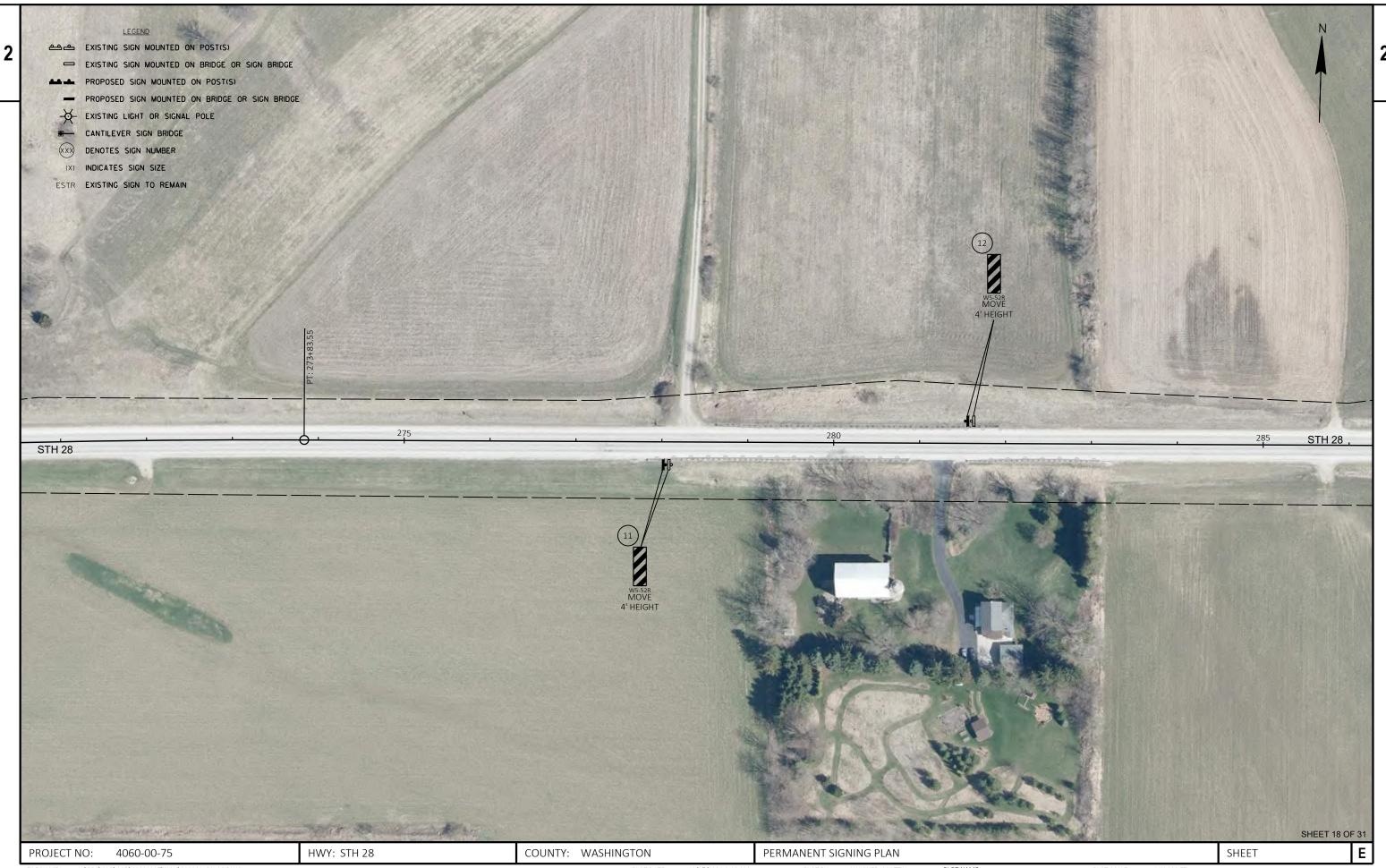
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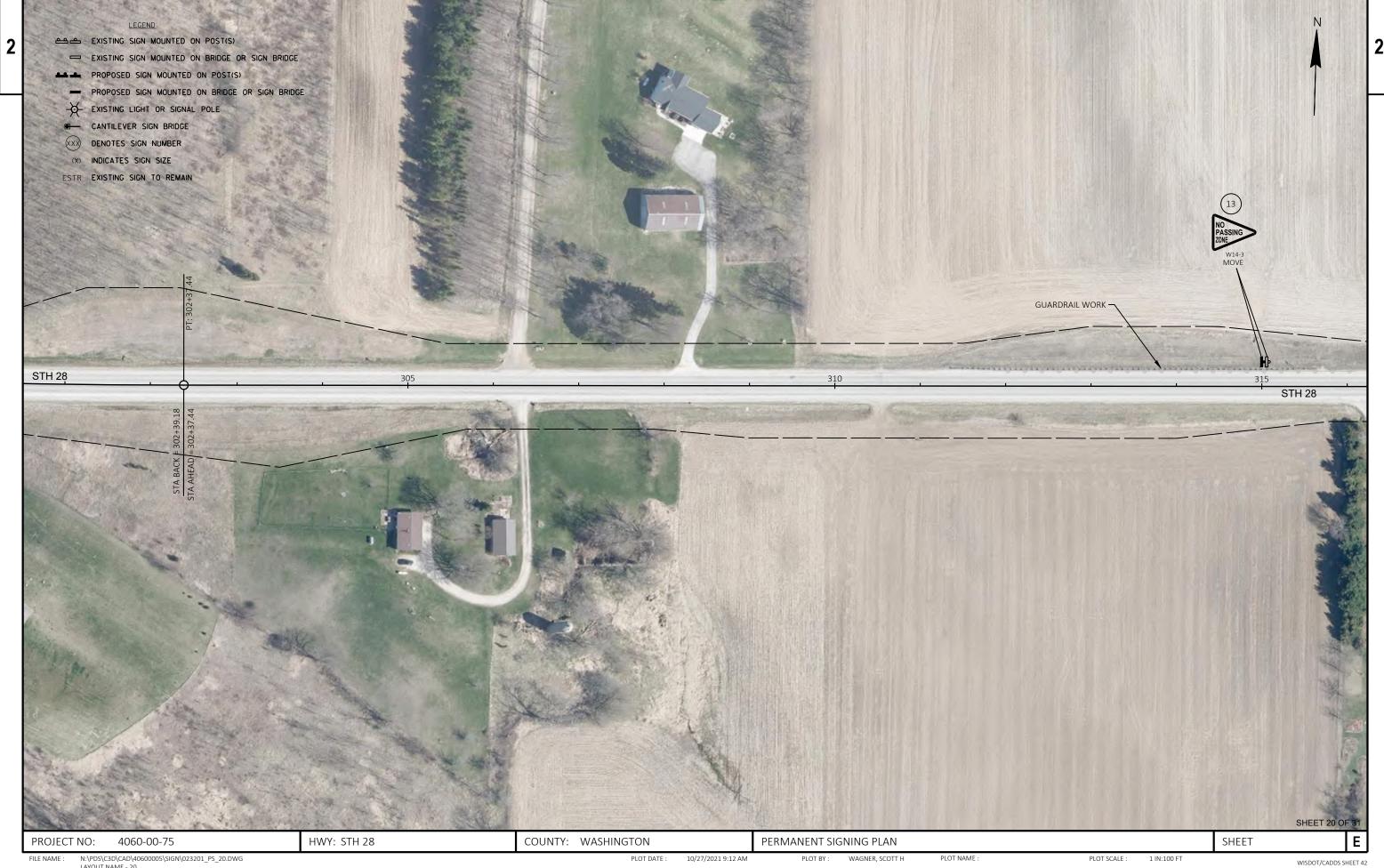
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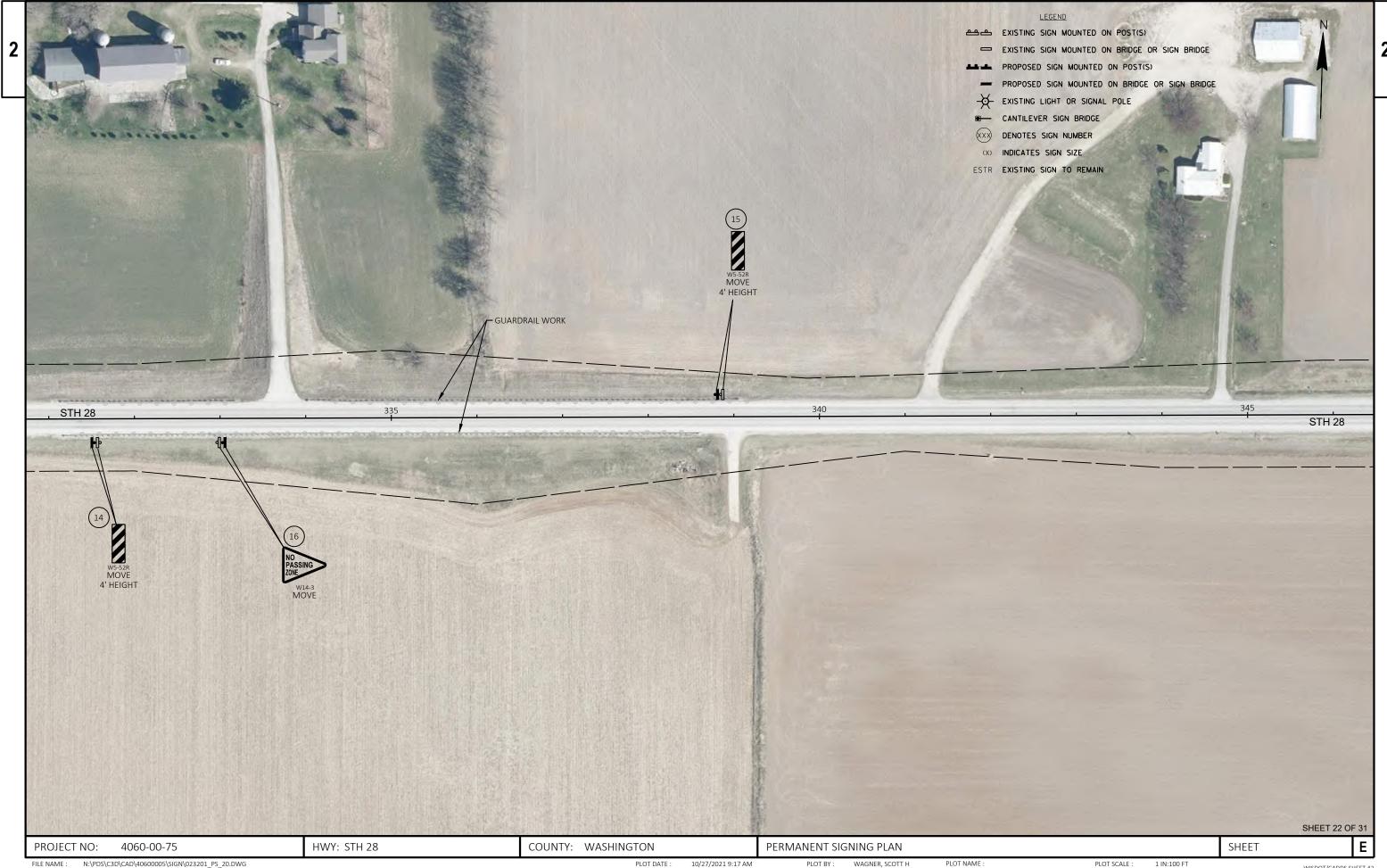
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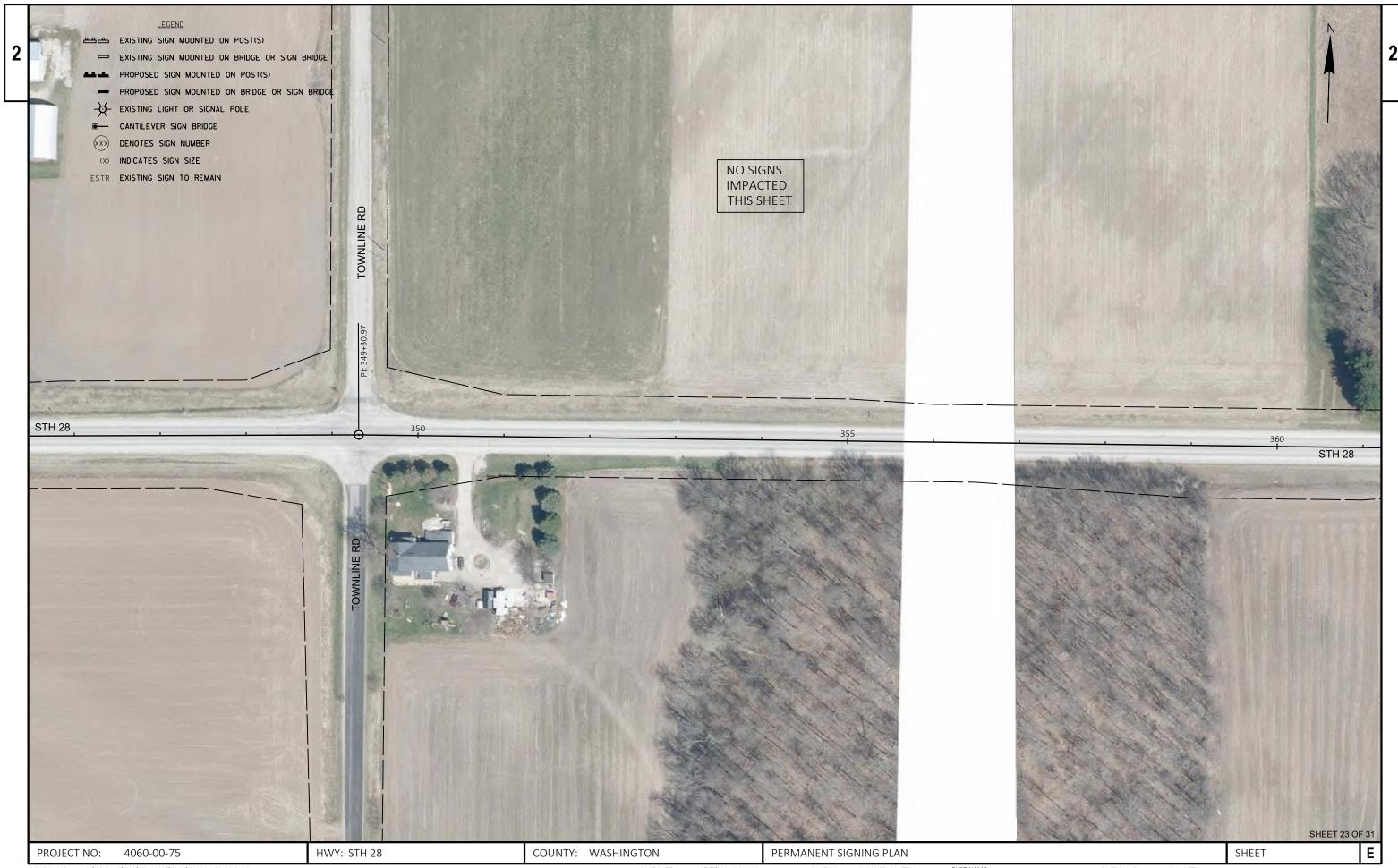
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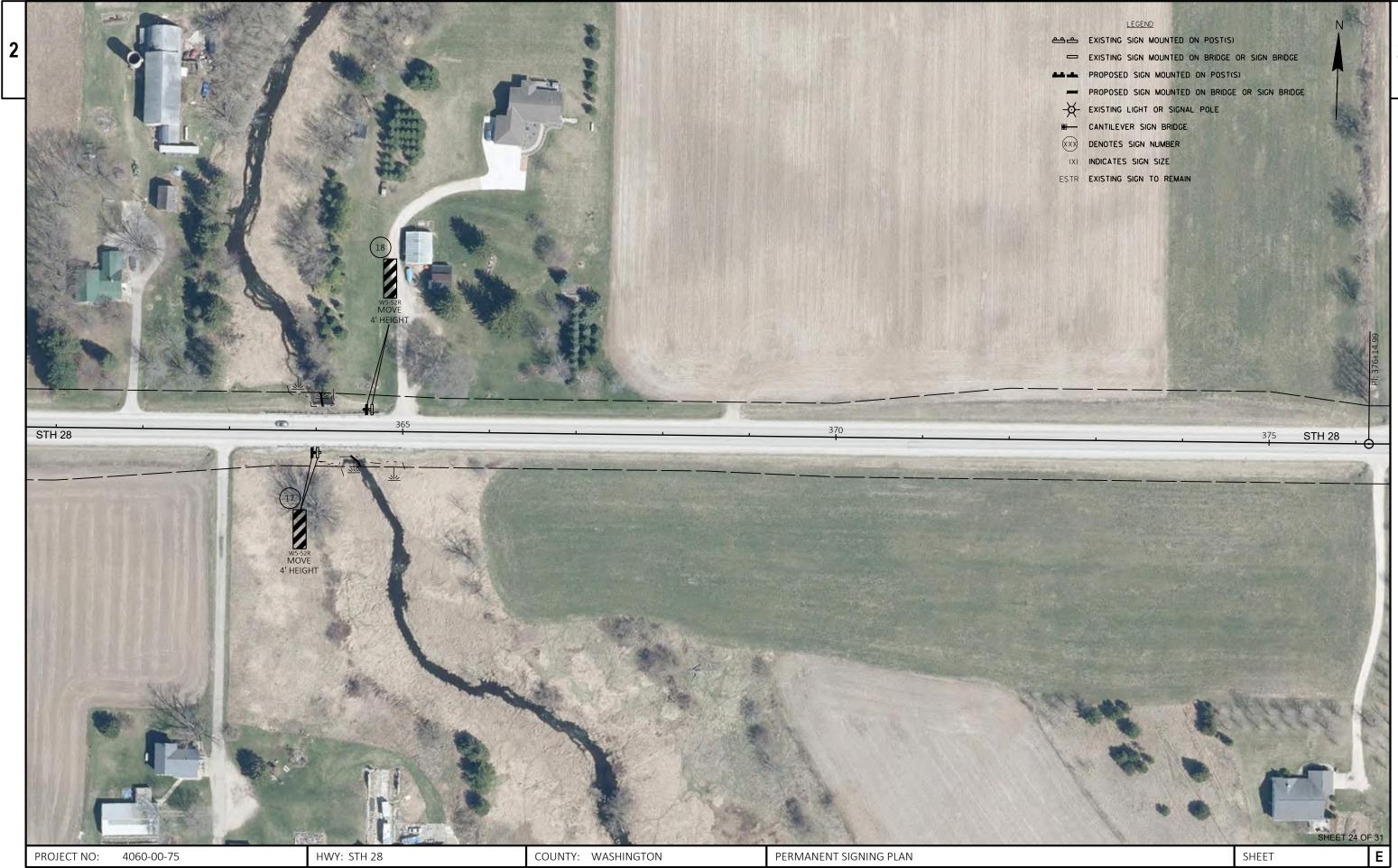
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FILE NAME : N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 22 PLOT DATE : 10/27/2021 9:17 AM



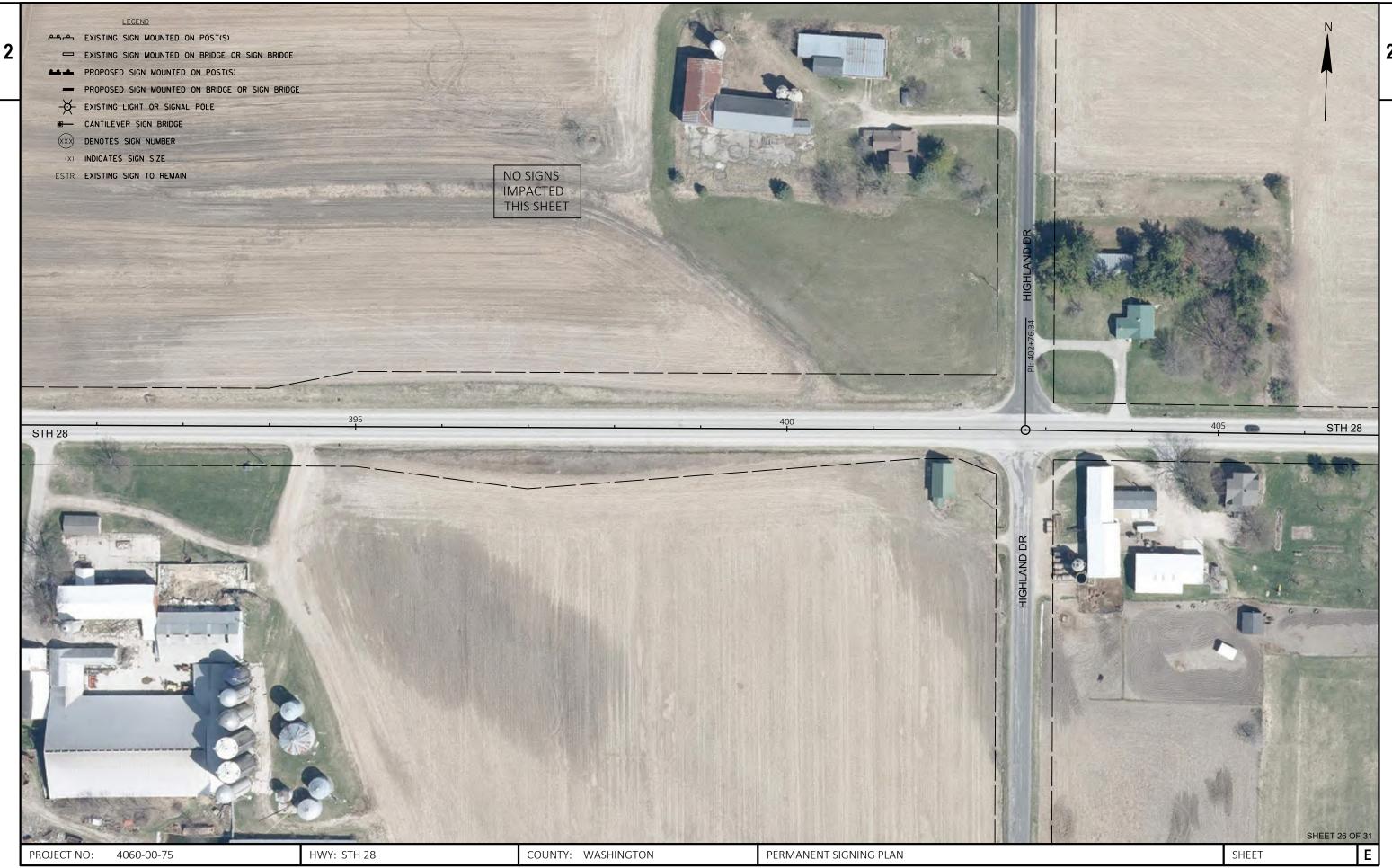
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FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:24 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 24



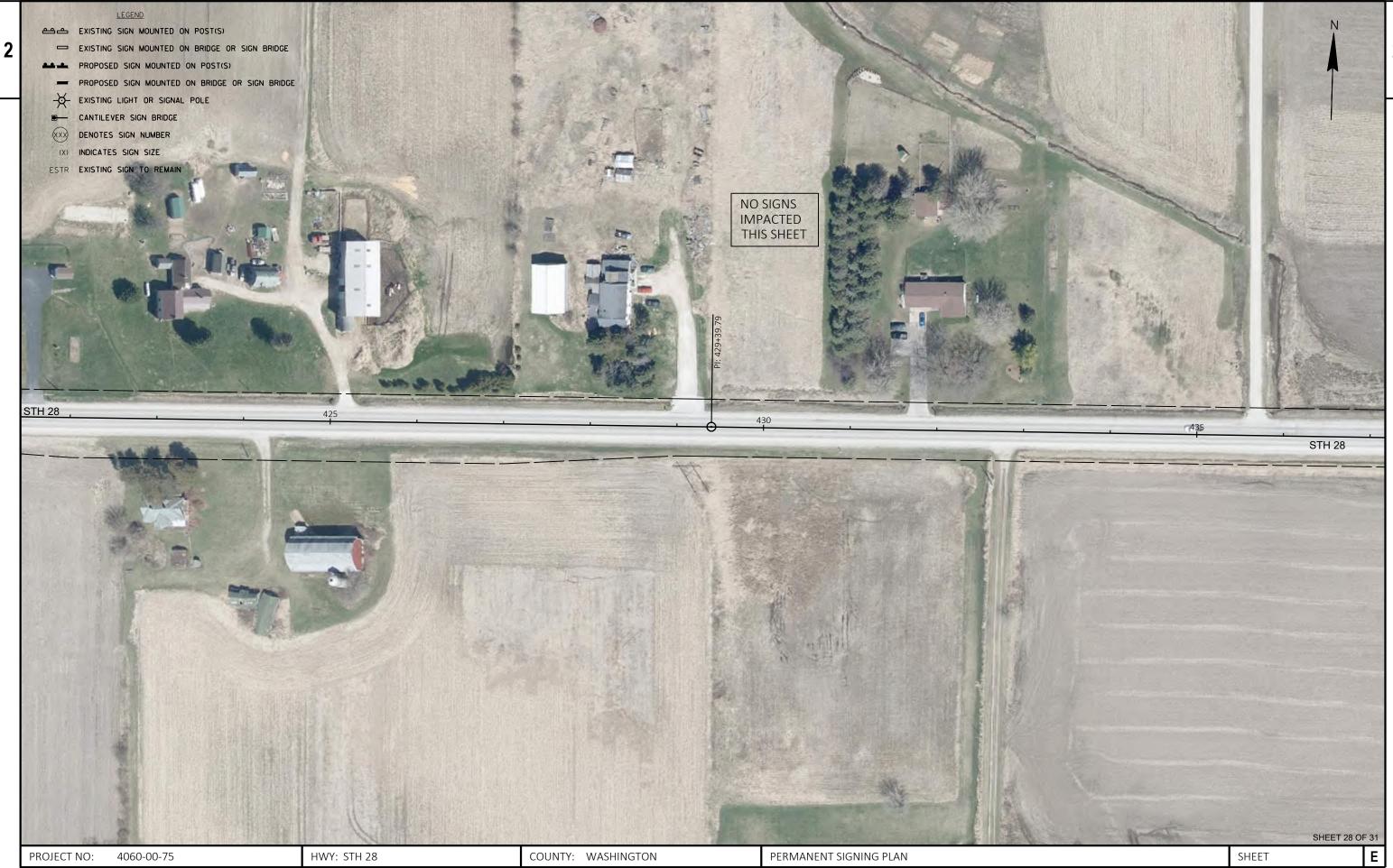
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FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:25 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 26



FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT BY: WAGNER, SCOTT H PLOT NAME: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 27



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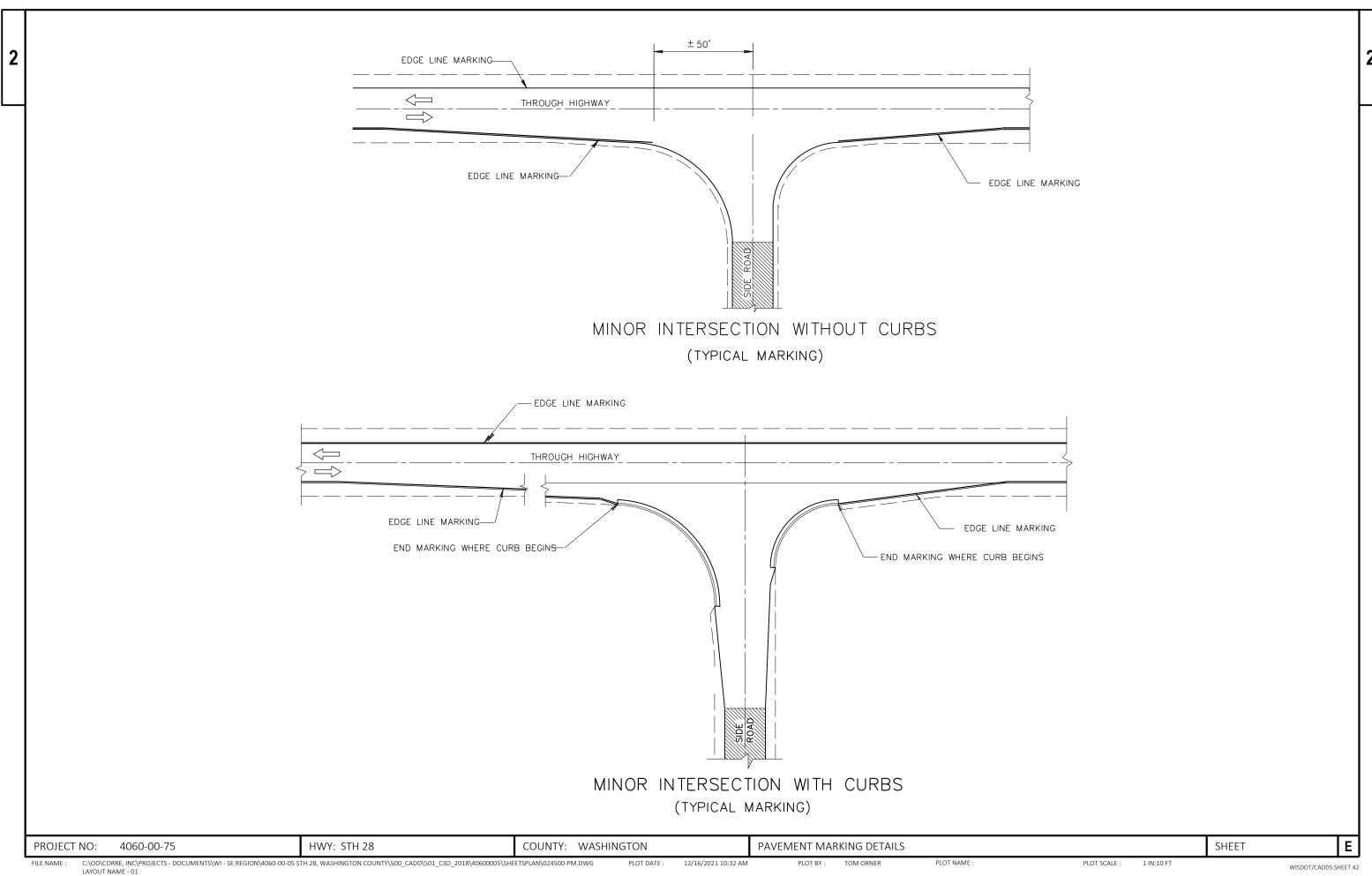
FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:25 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 29

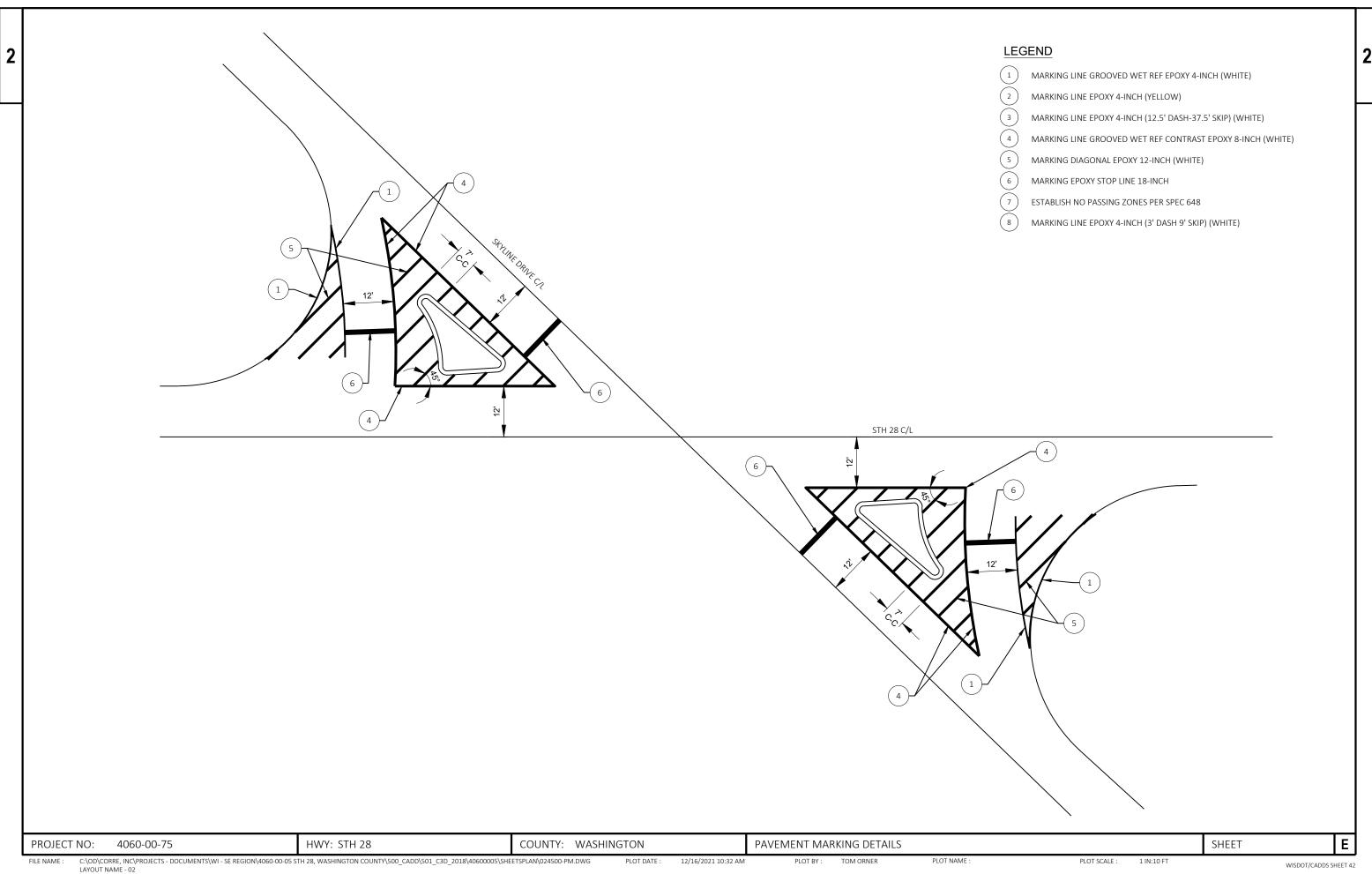


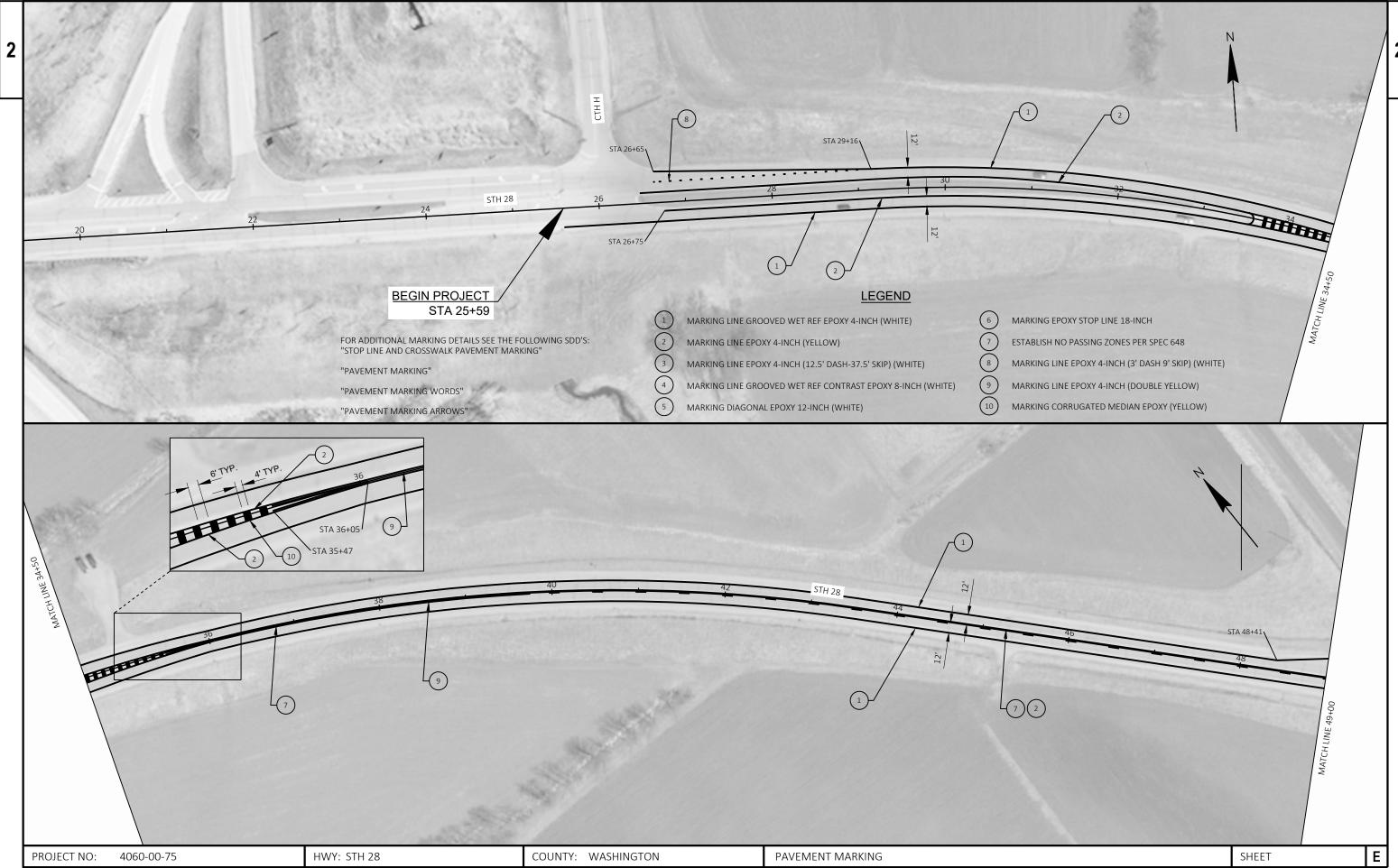
FILE NAME: N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG PLOT DATE: 10/27/2021 9:25 AM PLOT BY: WAGNER, SCOTT H PLOT NAME: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - 30



FILE NAME : N:\PDS\C3D\CAD\40600005\SIGN\023201\_PS\_20.DWG LAYOUT NAME - 31 PLOT NAME : PLOT DATE : 10/27/2021 9:25 AM PLOT BY: WAGNER, SCOTT H PLOT SCALE : 1 IN:100 FT







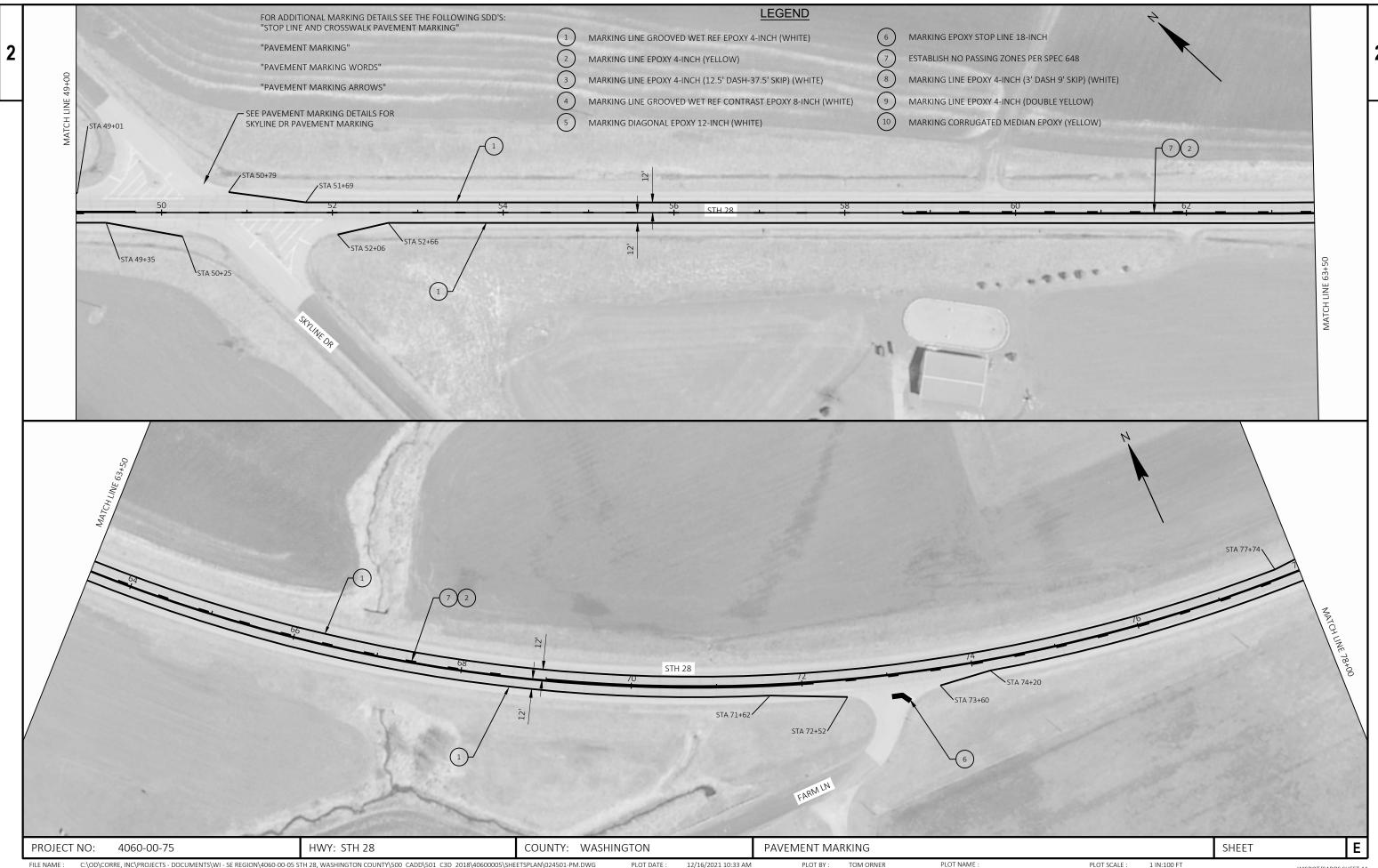
LOT DATE : 12/16/2021 10:33 AM

PLOT BY: TOM ORNER

PLOT NAME :

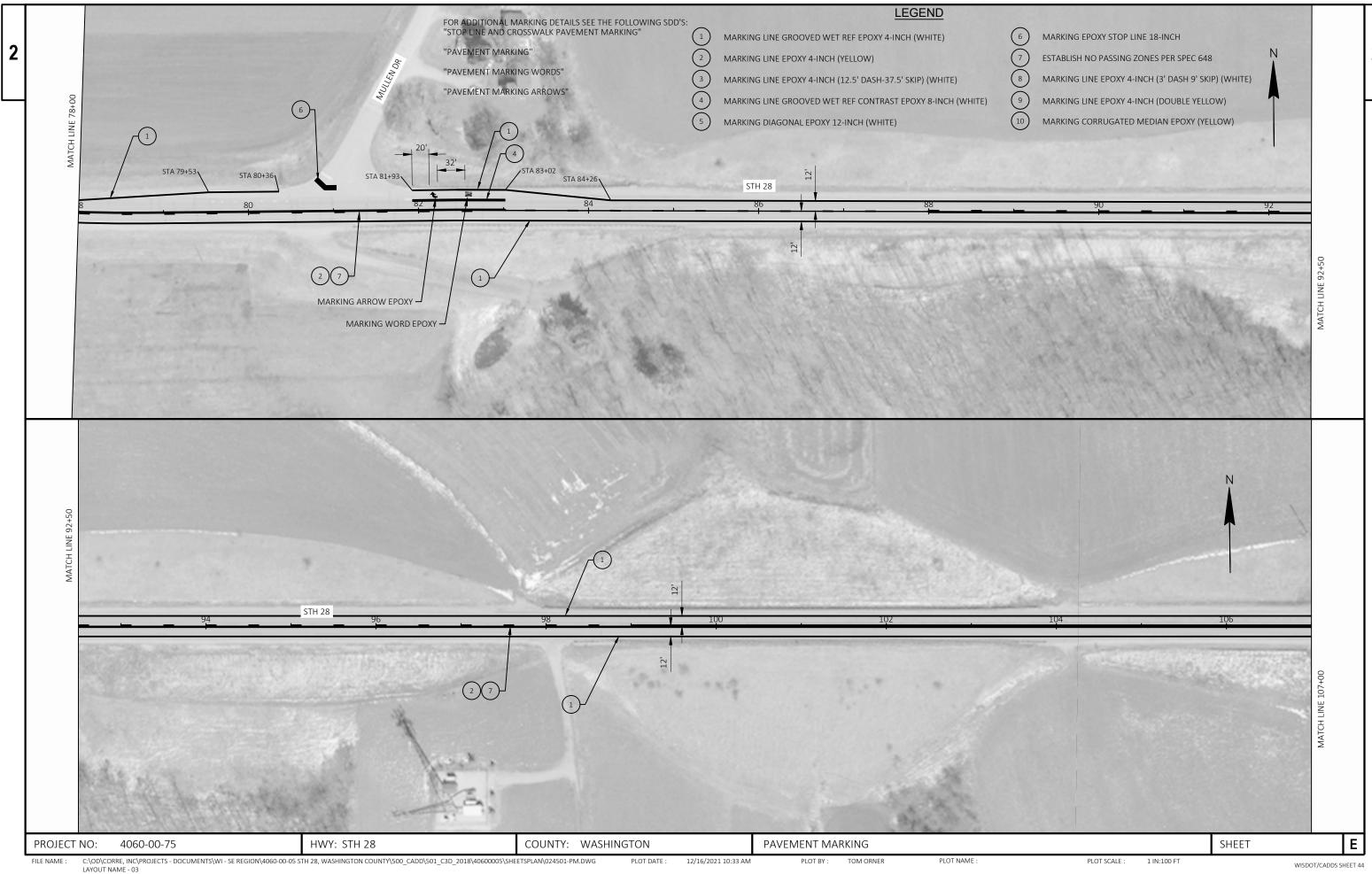
PLOT SCALE: 1 IN:100 FT

WISDOT/CADDS SHEET 44



WISDOT/CADDS SHEET 44

ME: C:\OD\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\024501-PM.DWG PLOT DATE: 12/16/2021 10:33 AM PLOT BY: TOM ORNER PLOT NAME: PLOT NAME: PLOT SCALE: LAYOUT NAME - 02



12/16/2021 10:33 AM

PLOT BY :

PLOT NAME :

PLOT SCALE :



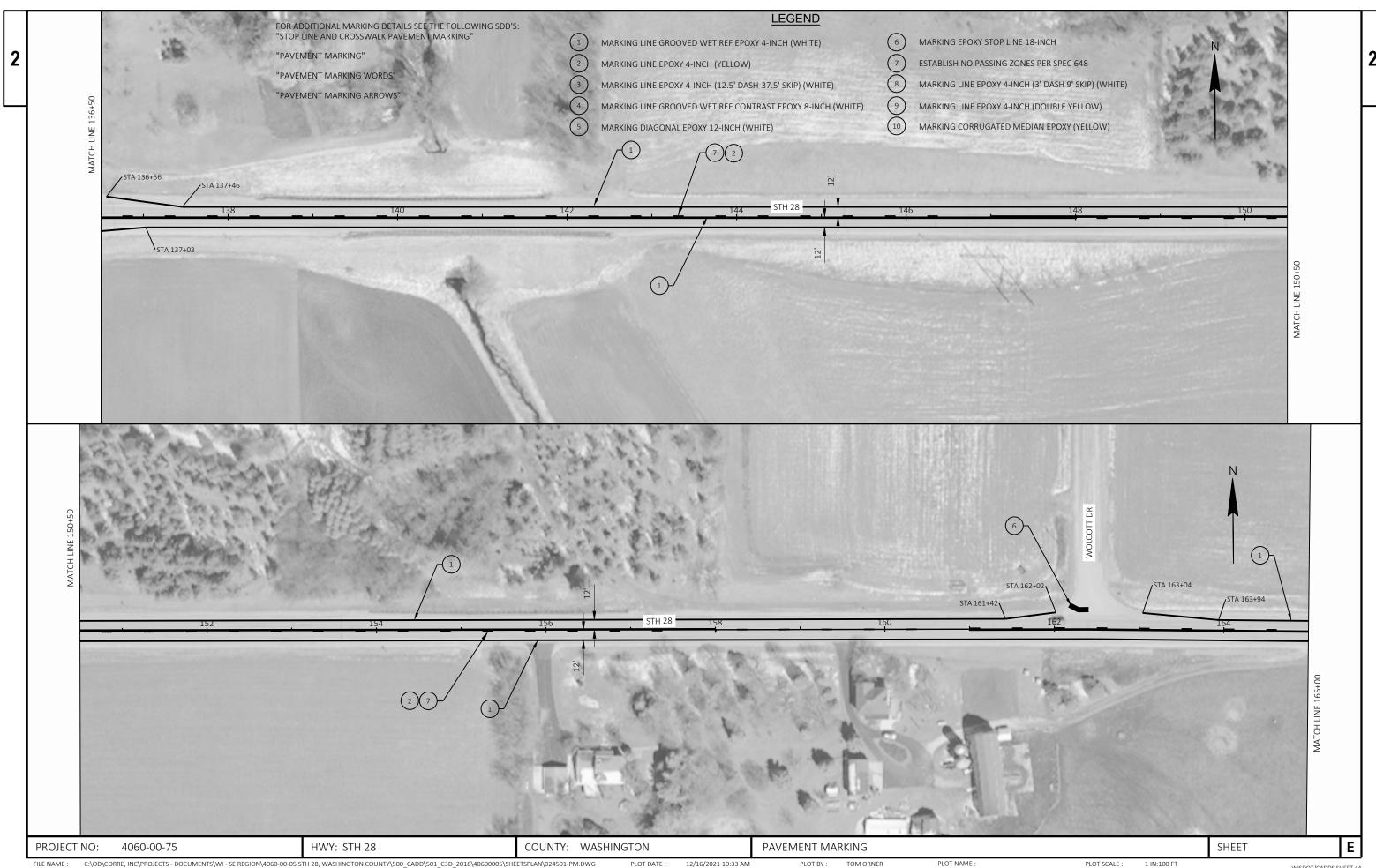
 $\hbox{C:\nonlineskip} \hbox{C:\nonlineskip} \hbox{C:\nonli$ PLOT DATE :

12/16/2021 10:33 AM

TOM ORNER

PLOT NAME :

PLOT SCALE : 1 IN:100 FT





12/16/2021 10:33 AM

PLOT BY: TOM ORNER PLOT NAME :

PLOT SCALE : 1 IN:100 FT



FILE NAME :

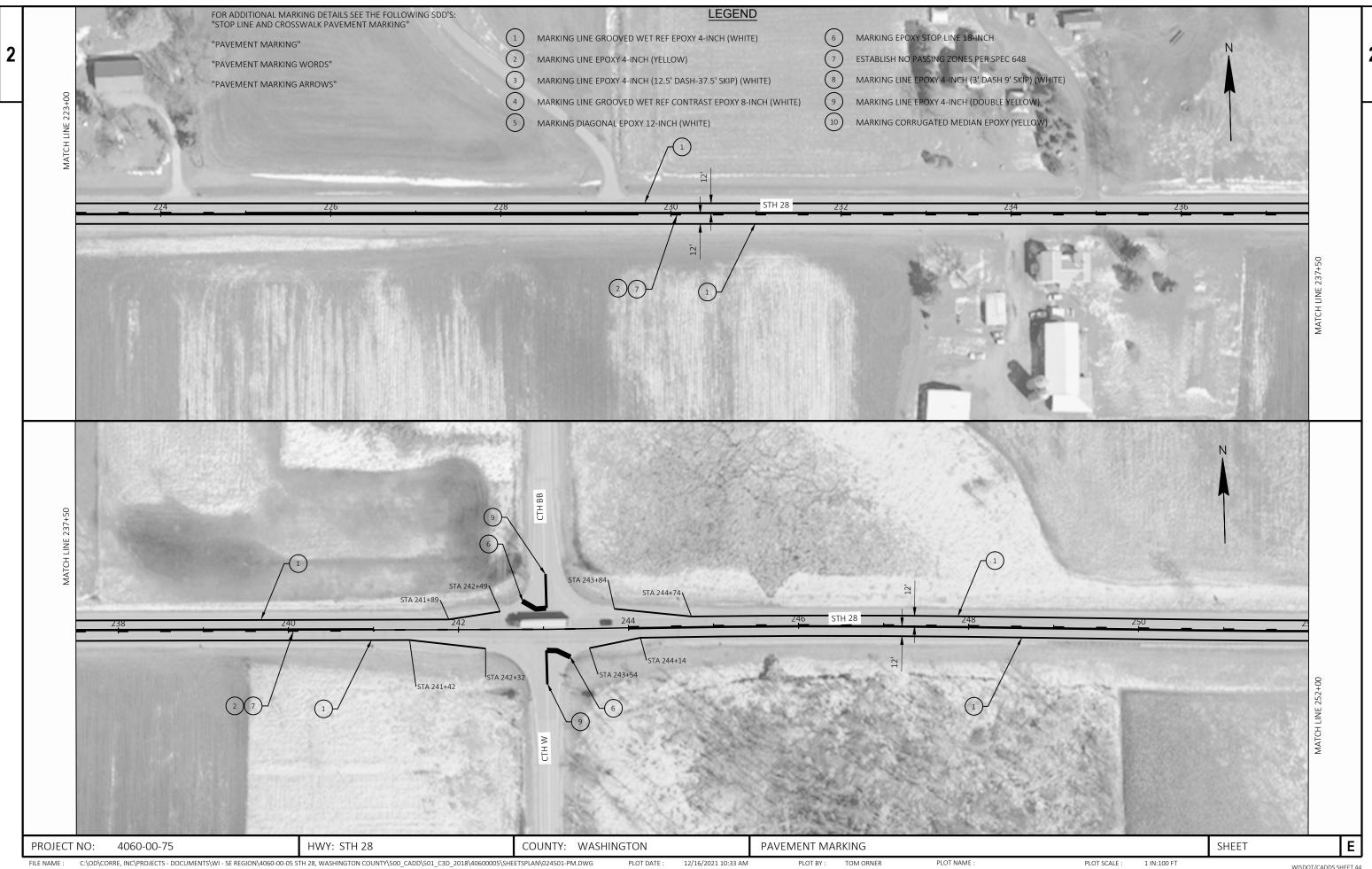
C:\OD\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\024501-PM.DWG LAYOUT NAME - 07

12/16/2021 10:33 AM

PLOT BY: TOM ORNER PLOT NAME :

PLOT SCALE :

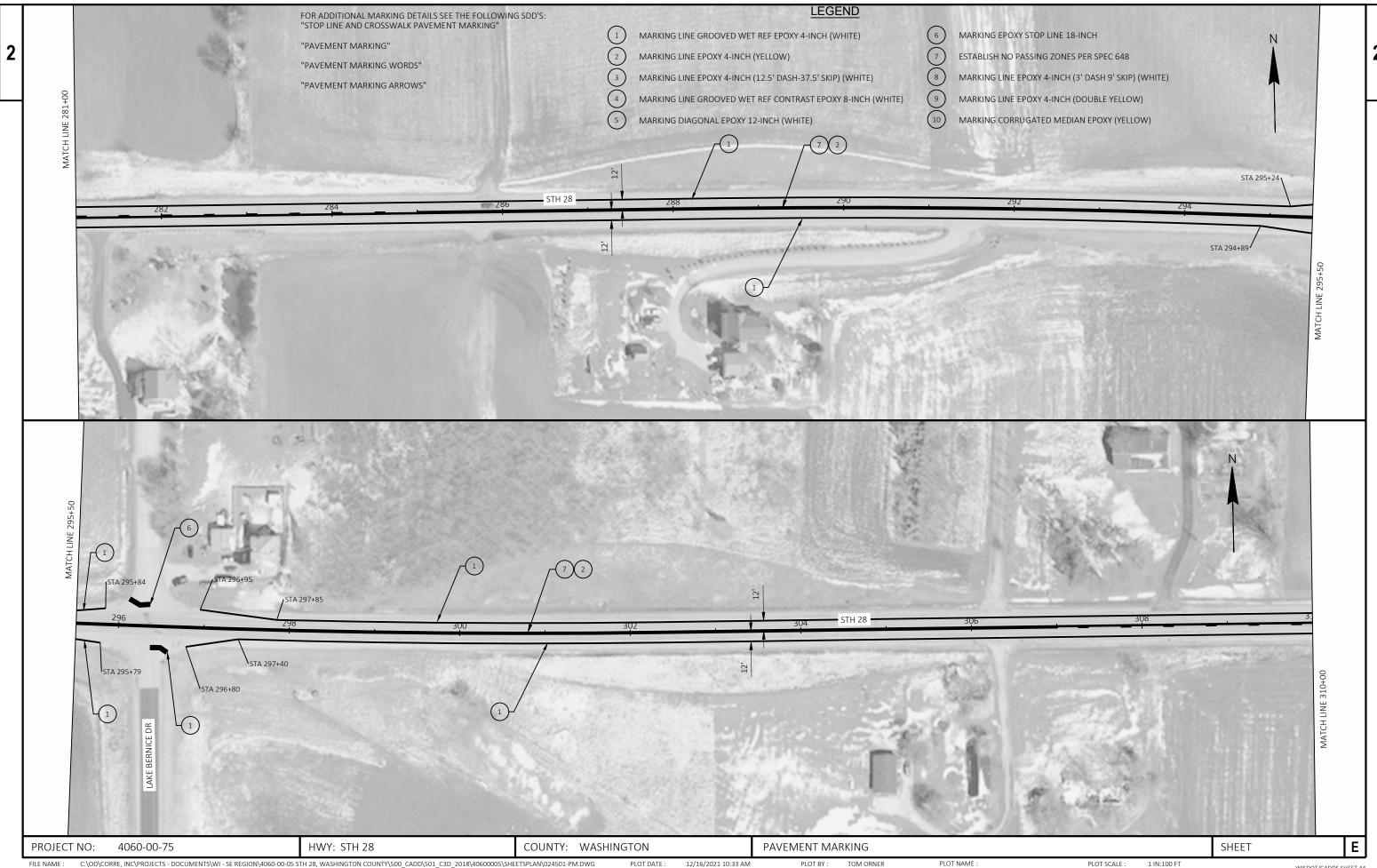
1 IN:100 FT

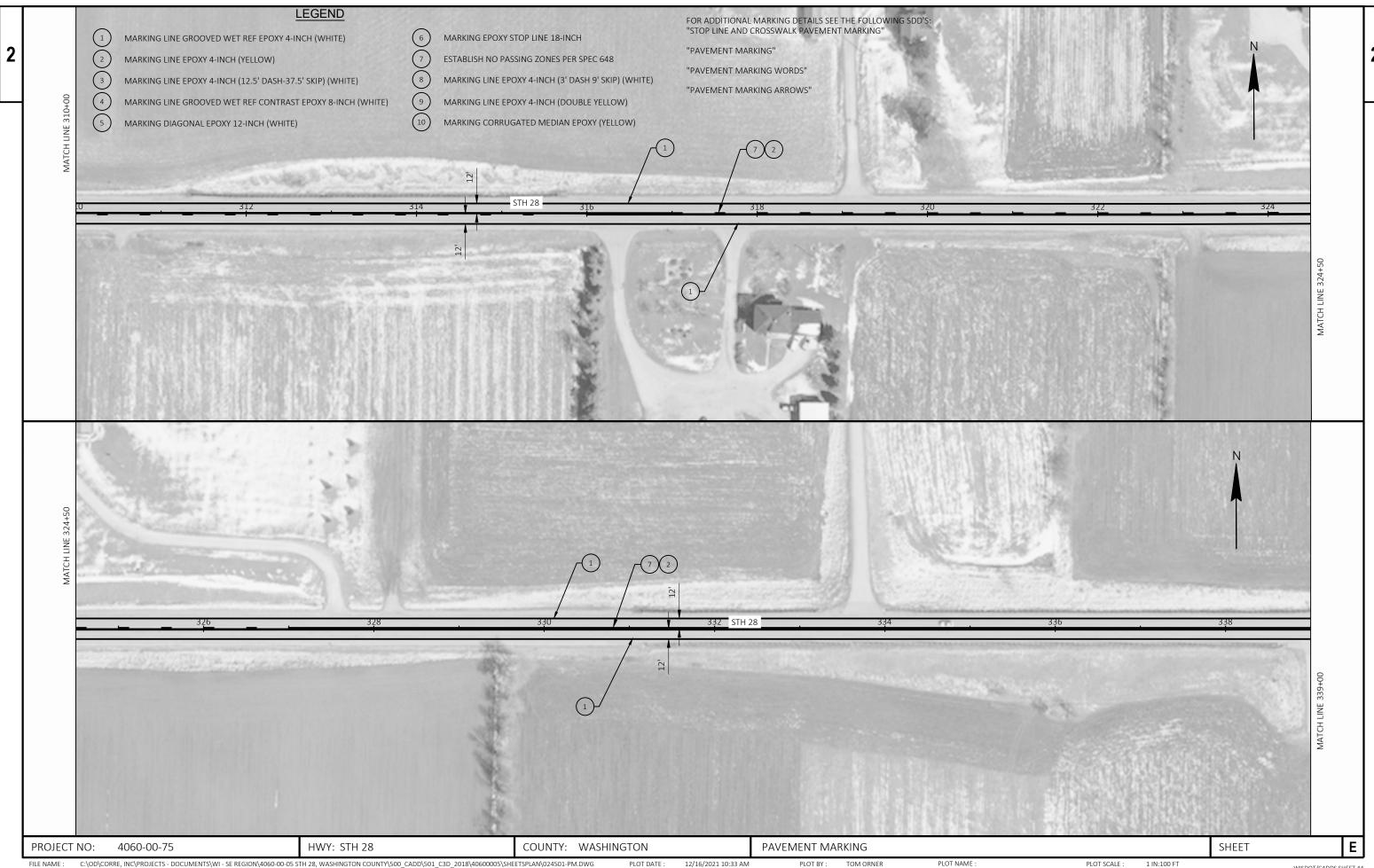


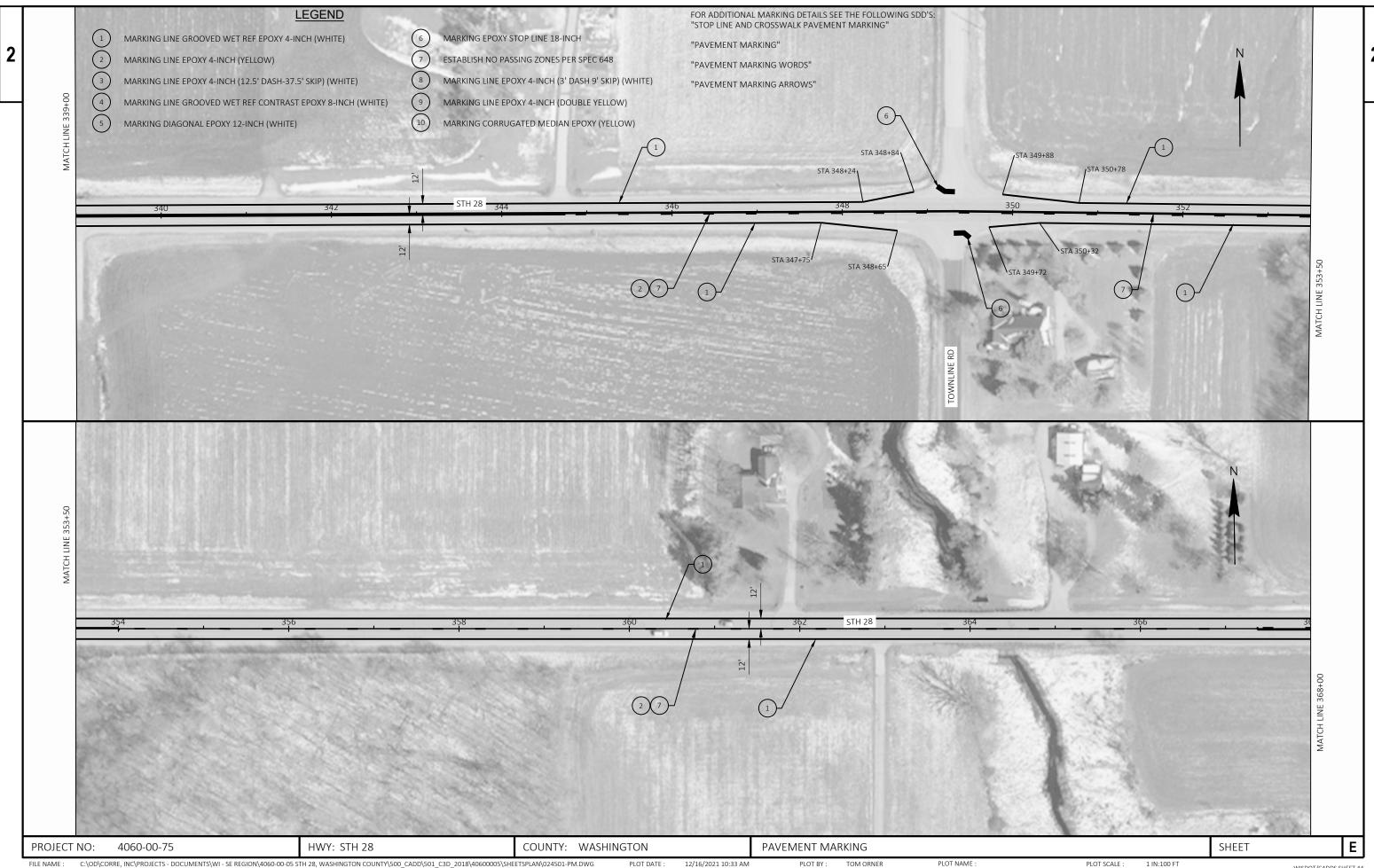


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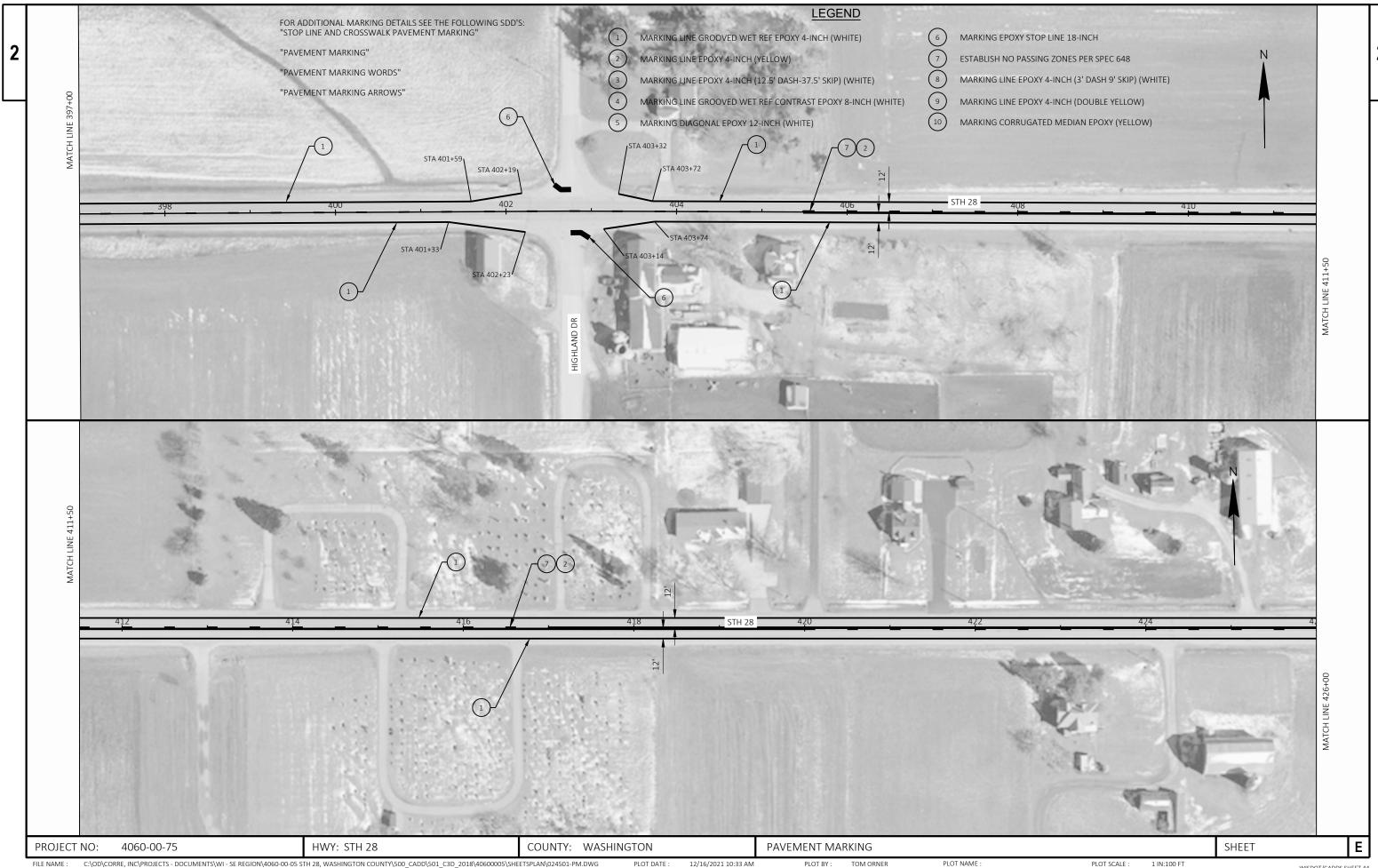
PLOT SCALE :











PLOT BY:

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

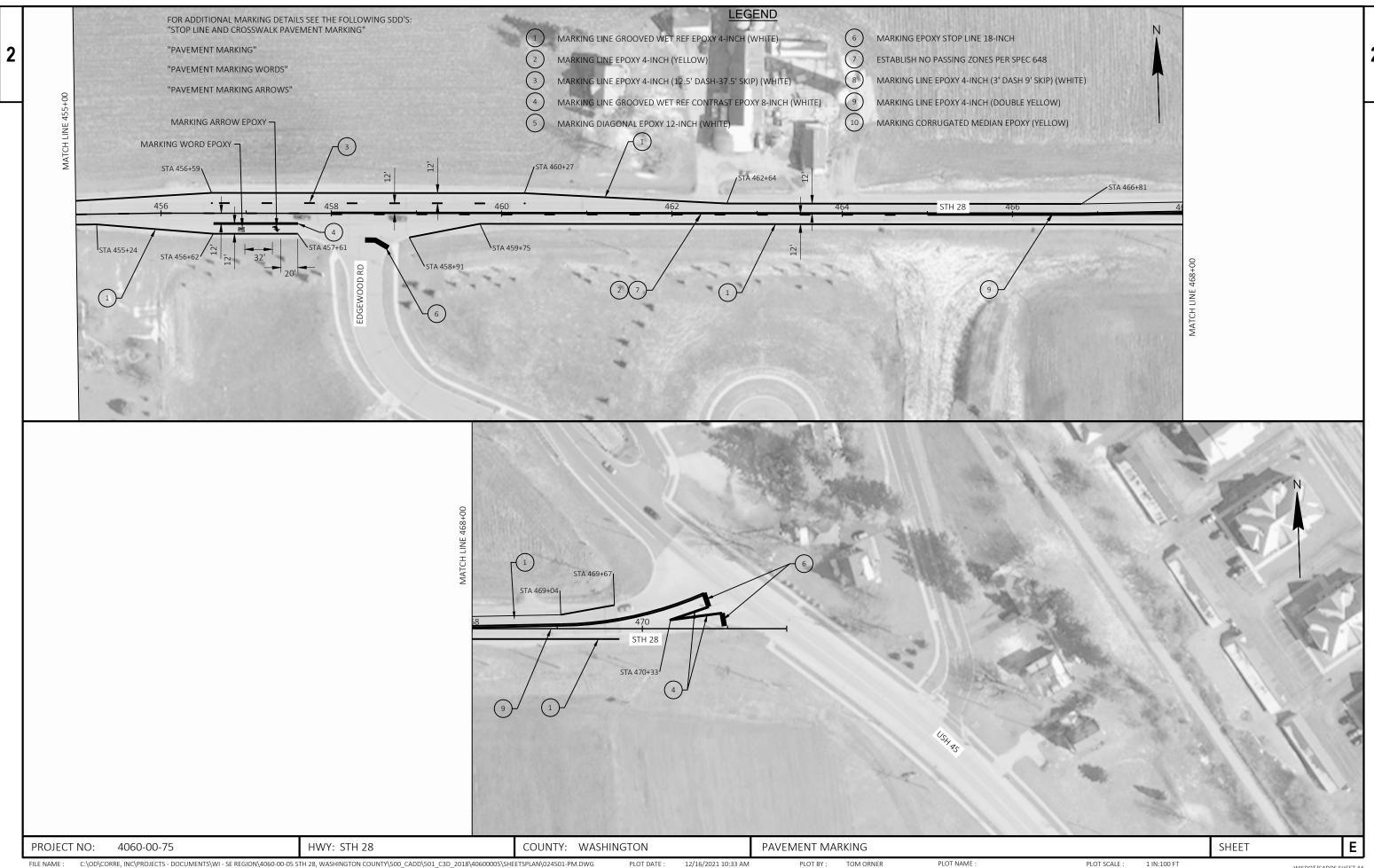


C:\OD\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\024501-PM.DWG LAYOUT NAME - 15

PLOT NAME :

PLOT SCALE :

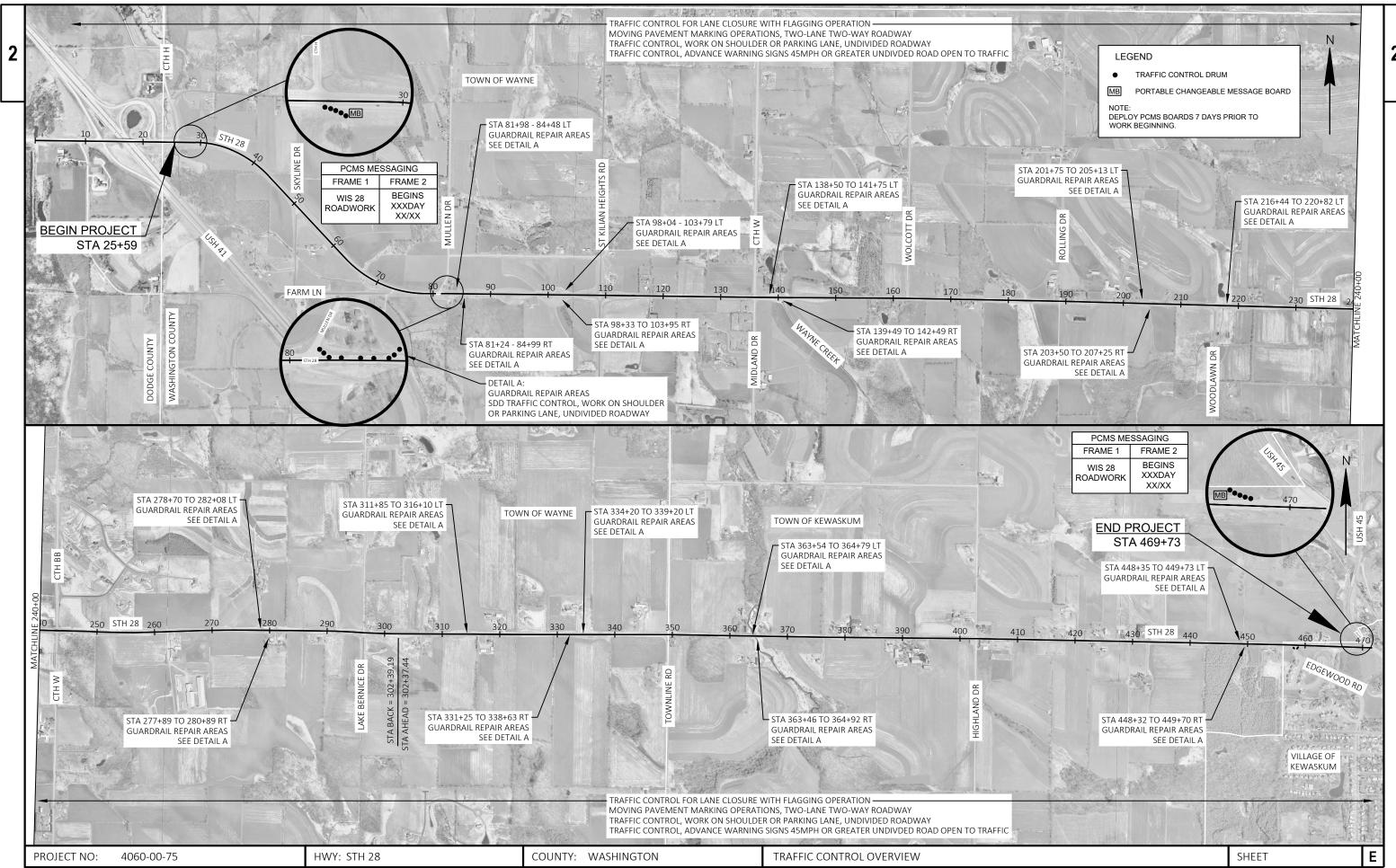
WISDOT/CADDS SHEET 44



12/16/2021 10:33 AM

PLOT NAME :

PLOT SCALE : 1 IN:100 FT



FILE NAME :

PLOT BY:



PLOT BY:

PLOT SCALE :

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					4060-00-75	
Line	Item	Item Description	Unit	Total	Qty	
0002	204.0110	Removing Asphaltic Surface	SY	7,404.000	7,404.000	
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	142.000	142.000	
0006	204.0120	Removing Asphaltic Surface Milling	SY	165,140.000	165,140.000	
8000	204.0150	Removing Curb & Gutter	LF	107.000	107.000	
0010	204.0155	Removing Concrete Sidewalk	SY	23.000	23.000	
0012	213.0100	Finishing Roadway (project) 01. 4060-00-75	EACH	1.000	1.000	
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,061.000	3,061.000	
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	41.000	41.000	
0018	455.0605	Tack Coat	GAL	12,801.000	12,801.000	
0020	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000	
0022	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000	
0024	460.2005	Incentive Density PWL HMA Pavement	DOL	14,220.000	14,220.000	
0026	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	22,280.000	22,280.000	
0028	460.2010	Incentive Air Voids HMA Pavement	DOL	19,835.000	19,835.000	
0030	460.6224	HMA Pavement 4 MT 58-28 S	TON	19,835.000	19,835.000	
0032	465.0105	Asphaltic Surface	TON	892.000	892.000	
0034	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	233.000	233.000	
0036	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	38,860.000	38,860.000	
0038	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	107.000	107.000	
0040	602.0405	Concrete Sidewalk 4-Inch	SF	144.000	144.000	
0042	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	20.000	20.000	
0044	614.0950	Replacing Guardrail Posts and Blocks	EACH	115.000	115.000	
0046	614.0951	Replacing Guardrail Rail and Hardware	LF	187.500	187.500	
0048	618.0100	Maintenance And Repair of Haul Roads (project) 01. 4060-00-75	EACH	1.000	1.000	
0050	619.1000	Mobilization	EACH	1.000	1.000	
0052	624.0100	Water	MGAL	31.000	31.000	
0054	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000	
0056	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000	
0058	628.7015	Inlet Protection Type C	EACH	5.000	5.000	
0060	628.7555	Culvert Pipe Checks	EACH	8.000	8.000	
0062	633.5200	Markers Culvert End	EACH	46.000	46.000	
0064	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	31.000	31.000	
0066	637.2210	Signs Type II Reflective H	SF	40.000	40.000	
0068	637.2230	Signs Type II Reflective F	SF	20.000	20.000	
0070	638.2102	Moving Signs Type II	EACH	31.000	31.000	
0072	638.2602	Removing Signs Type II	EACH	5.000	5.000	
0074	638.3000	Removing Small Sign Supports	EACH	31.000	31.000	
0076	642.5001	Field Office Type B	EACH	1.000	1.000	
0078	643.0300	Traffic Control Drums	DAY	125.000	125.000	
0800	643.0900	Traffic Control Signs	DAY	63.000	63.000	
0082	643.1050	Traffic Control Signs PCMS	DAY	18.000	18.000	
0084	643.5000	Traffic Control	EACH	1.000	1.000	
0086	644.1810	Temporary Pedestrian Barricade	LF	53.000	53.000	
0088	646.1020	Marking Line Epoxy 4-Inch	LF	1,610.000	1,610.000	
0090	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	88,910.000	88,910.000	
0092	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	300.000	300.000	
0094	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	87,230.000	87,230.000	
0096	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000	
0098	646.5120	Marking Word Epoxy	EACH	2.000	2.000	
		5 · F · J	· · · ·			

4060-00-75

Line	Item	Item Description	Unit	Total	Qty	
0100	646.5520	Marking Outfall Epoxy	EACH	19.000	19.000	
0102	646.6120	Marking Stop Line Epoxy 18-Inch	LF	204.000	204.000	
0104	646.7120	Marking Diagonal Epoxy 12-Inch	LF	550.000	550.000	
0106	646.8020	Marking Corrugated Median Epoxy	SF	456.000	456.000	
0108	648.0100	Locating No-Passing Zones	MI	8.300	8.300	
0110	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	87,300.000	87,300.000	
0112	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	107.000	107.000	
0114	650.8000	Construction Staking Resurfacing Reference	LF	44,510.000	44,510.000	
0116	650.9000	Construction Staking Curb Ramps	EACH	2.000	2.000	
0118	650.9910	Construction Staking Supplemental Control (project) 01. 4060-00-75	LS	1.000	1.000	
0120	690.0150	Sawing Asphalt	LF	10,114.000	10,114.000	
0122	690.0250	Sawing Concrete	LF	30.000	30.000	
0124	740.0440	Incentive IRI Ride	DOL	15,820.000	15,820.000	
0126	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	600.000	600.000	
0128	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,800.000	1,800.000	
0130	SPV.0060	Special 01. Curb Ramp Grading, Shaping, and Finishing	EACH	2.000	2.000	

WISDOT/CADDS SHEET 42

204.0110 465.0105 690.0150 REMOVING ASPHALTIC ASPHALTIC SAWING SURFACE SURFACE ASPHALT CATEGORY ROADWAY STATION TO STATION TON LF 0010 STH 28 25+59 - 33+60 MAINLINE 170 21 204 33+60 - 48+24 MAINLINE 244 30 293 53+18 - 77+74 MAINLINE 410 50 492 1,120 84+36 - 134+47 MAINLINE 930 112 138+53 - 240+59 MAINLINE 1,840 221 2,210 245+92 - 454+94 MAINLINE 3,670 441 4,410 461+30 - 469+73 MAINLINE 141 17 169 TOTALS 7,404 892 8,898

FULL DEPTH ASPHALTIC SURFACE REPAIR

\*UNDISTRIBUTED (5% OF RESURFACE AREAS) \*\* SHOWN ELSEWHERE ON PLANS

#### PAVEMENT REMOVALS

						204.0150
						REMOVING
						CURB & GUTTER
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	LF
0010	STH 28					
		454+94	-	461+30	EDGEWOOD	107
	TOTALS					107

### CONCRETE CURB & GUTTER

						601.0557
						CONCRETE
						CURB & GUTTER
						6-INCH SLOPED
						36-INCH TYPE D
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	LF
0010	STH 28					
		454+94	-	461+30	EDGEWOOD	107
	TOTALS					107

#### REMOVING ASPHALTIC SURFACE

						204.0115	204.0120 REMOVING
						REMOVING	ASPHALTI
						ASPHALTIC SURFACE	SURFACE
						<b>BUTT JOINTS</b>	MILING
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	SY	SY
0010	STH 28						
		25+59	-	33+60	MAINLINE	8	3,390
		33+60	-	48+24	MAINLINE		4,880
		48+24	-	53+18	SKYLINE	13	4,020
		53+18	-	77+74	MAINLINE		8,190
		77+74	-	84+36	MULLEN	7	3,330
		84+36	-	134+47	MAINLINE	13	18,600
		134+47	-	138+53	CTH W	13	2,710
		138+53	-	240+59	MAINLINE	20	36,800
		240+59	-	245+92	СТН ВВ	13	3,280
		245+92	-	454+94	MAINLINE	40	73,400
		454+94	-	461+30	EDGEWOOD	7	3,730
		461+30	-	469+73	MAINLINE	7	2,810
	TOTALS					142	165,140

#### REMOVING CONCRETE SIDEWALK

						204.0155
						REMOVING CONCRETE
						SIDEWALK
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	SY
0010	STH 28					
		454+94	-	461+30	EDGEWOOD	23
	TOTALS					23
		0010 STH 28	0010 STH 28 454+94	0010 STH 28 454+94 -	0010 STH 28 454+94 - 461+30	0010 STH 28

#### BASE AGGREGATE ITEMS

						305.0110	305.0120	624.0100
						BASE	BASE	
						AGGREGATE	AGGREGATE	
						DENSE	DENSE	
						¾-INCH	1¼-INCH	WATER
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	TON	TON	MGAL
0010	STH 28							
		25+59	-	33+60	SHOULDERS	41		1
		33+60	-	469+73	SHOULDERS	3,020		29
		454+94	-	461+30	EDGEWOOD		41	1
	TOTALS					3,061	41	31

Ε PROJECT NO: 4060-00-75 HWY: STH 28 COUNTY: WASHINGTON MISCELLANEOUS QUANTITIES SHEET FILE NAME : C:\USERS\JLEWIS\CORRE, INC\PROJECTS - DOCUMENTS\WI - SE REGION\4060-00-05 STH 28, WASHINGTON COUNTY\500\_CADD\501\_C3D\_2018\40600005\SHEETSPLAN\030201-MQ.DWG PLOT DATE : 4/6/2022 10:49 AM PLOT BY: JESSICA LEWIS, PE PLOT NAME : PLOT SCALE : 1" = 1'

ASPHALTIC PAVING

						455.0605	460.6224	465.0120	465.0475
							НМА	ASPHALTIC SURFACE	ASPHALT CENTERLINE
						TACK	PAVEMENT	DRIVEWAYS AND	<b>RUMBLE STRIPS</b>
						COAT	4 MT 58-28 S	FIELD ENTRANCES	2-LANE RURAL
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	GAL	TON	TON	LF
0010	STH 28								_
		25+59	-	33+60	MAINLINE	238	407		
		33+60	-	48+24	MAINLINE	342	586		1,470
		48+24	-	53+18	SKYLINE	282	483		100
		53+18	-	77+74	MAINLINE	574	983		2,060
		77+74	-	84+36	MULLEN	234	400		270
		84+36	-	134+47	MAINLINE	1,360	2,240	10	4,620
		134+47	-	138+53	CTH W	190	326		10
		138+53	-	240+59	MAINLINE	2,870	4,420	55	9,100
		240+59	-	245+92	CTH BB	230	394		140
		245+92	-	454+94	MAINLINE	5,970	8,810	158	20,200
		454+94	-	461+30	EDGEWOOD	262	448		240
		461+30	-	469+73	MAINLINE	249	338	10	650
	TOTALS					12,801	19,835	233	38,860

						REPLACING	REPLACING
						GUARDRAIL	GUARDRAIL
						POSTS AND BLOCKS	RAIL AND HARDWARE
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	EACH	LF
0010	STH 28						
		81+98	-	84+48	LT	5	
		81+24	-	84+99	RT	6	12.5
		98+04	-	103+79	LT	16	25.0
		98+33	-	103+95	RT	5	12.5
		138+50	-	141+75	LT		25.0
		139+49	-	142+49	RT	2	
		201+75	-	205+13	LT	3	12.5
		203+50	-	207+25	RT	5	
		216+44	-	220+82	LT	4	
		278+70	-	282+08	LT	2	
		277+89	-	280+89	RT	10	
		311+85	-	316+10	LT	5	
		334+20	-	339+20	LT	4	
		331+25	-	338+63	RT	4	12.5
		363+54	-	364+79	LT	2	37.5
		363+46	-	364+92	RT	2	
		448+35	-	449+73	LT	15	12.5
		448+32	-	449+70	RT	2	
	UNDISTRIBUTED(25%)					23	37.5
	TOTAL					115	187.5

REPAIRING GUARDRAIL

614.0950

614.0951

PWI MIXTURE USE TABLE

	F WE WITATORE OSE TABLE											
		MIXTURE	UNDERLAYING				QUALITY MANAGEMENT PROGRAM TO BE USED FOR					
LOCATION	STATION	USE:	SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE				
12 FOOT DRIVING	STA 25+59 - 469+73	UPPER LAYER	MILLED EXISTING	4 MT 58-28 S	14,220	2"	PWL INCENTIVE AIR VOIDS HMA	INCENTIVE DENSITY PWL HMA				
LANE			HMA SURFACE				PAVEMENT 460.2010	PAVEMENT 460.2005				
SHOULDERS &	STA 25+59 - 469+74	UPPER LAYER	MILLED EXISTING	4 MT 58-28 S	5,615	2"	PWL INCENTIVE AIR VOIDS HMA	ACCEPTANCE TESTING BY THE				
APPURTENANCES			HMA SURFACE				PAVEMENT 460.2010	DEPARTMENT; NOT ELIGIBLE FOR				
								INCENTIVE OR DISINCENTIVE				

### CONCRETE SIDEWALK

•						602.0405	602.0605	SPV.0060.01	FOR INFORMATIONAL PURPOSES ONLY					
						CONCRETE	CURB RAMP	CURB RAMP						
						SIDEWALK	DETECTABLE WARNING FIELD	GRADING, SHAPING	EXCAVATION	BASE AGGREGATE				
						4-INCH	RADIAL YELLOW	AND FINISHING	COMMON	DENSE 1 1/4-INCH	TOPSOIL	FERTILIZER	SEED	MULCH
CATEGORY	ROADWAY	STATION	TO	STATION	O/S	SF	SF	EACH	CY	TON	SY	CWT	LB	SY
0010	STH 28													
		454+94	-	461+30	EDGEWOOD	144	20	2	6	1	49	1	1	49
	TOTALS					144	20	2	6	1	49	1	1	49

E HWY: STH 28 MISCELLANEOUS QUANTITIES SHEET PROJECT NO: 4060-00-75 COUNTY: WASHINGTON

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**EROSION CONTROL** 

														633.5200	646.5520
				628.1905	628.1910	628.7015	628.7555							MARKERS	MARKING
				M	OBILIZATIONS	INLET	CULVERT							CULVERT	OUTFALL
				EROSION	EMERGENCY	PROTECTION	PIPE							END	EPOXY
				CONTROL	EROSION CONTROL	TYPE C	CHECKS	CATEGORY	ROADWA	STATION	І ТО	STATION	LOCATION	EACH	EACH
CATEGORY	ROADWAY	STATION TO STATION	LOCATION	EA	EA	EA	EA	0010	STH 28						
0010	STH 28									25+59	-	33+60	LT/RT	-	4
		25+59 - 33+60		1	1	4				25+59	-	469+73	LT/RT	46	15
		33+60 469+73		1	1		6		TOTALS					46	19
	UNDISTRIBU	TED CATEGORY 0010		1	1	1	2							*TO BE DETERN	INED BY ENGINEER
	TOTALS			3	3	5	8								

#### TRAFFIC CONTROL

			643.0300	643.0900	643.1050	644.1810
						TEMPORARY
						PEDESTRIAN
			DRUMS	SIGNS	PCMS	BARRICADE
CATEGORY	ROADWAY	LOCATION	DAY	DAY	DAY	LF
0010	STH 28					
		EDGEWOOD	100	50	14	42
		SUBTOTAL	100	50	14	42
	UNDISTRIBUTED		25	13	4	11
	TOTAL		125	63	18	53

## **CONSTRUCTION STAKING**

MAINTENANCE ITEMS

						650.5500	650.8000	650.9000
						CONSTRUCTION	CONSTRUCTION	CONSTRUCTION
						STAKING CURB	STAKING	STAKING
						AND GUTTER	RESURFACING REFERENCE	CURB RAMPS
CATEGORY	ROADWAY	STATION	ТО	STATION	O/S	LF	LF	EACH
0010	STH 28							
		25+59	-	33+60	MAINLINE		810	
		33+60	-	469+73	MAINLINE		43,700	
		454+94	-	461+30	EDGEWOOD	107		2
	TOTALS					107	44,510	2

#### SAWING EXISTING PAVEMENT

690.0150 690.0250 SAWING SAWING ASPHALT CONCRETE CATEGORY ROADWAY STATION - STATION LOCATION 0010 STH 28 117+63 - 463+97 ROADWAY 752 117+63 - 463+97 DRIVEWAYS 464 457+85 - 458+99 SIDEWALKS 30 TOTALS 1,216 30 \*\* SHOWN ELSEWHERE ON PLANS

### PAVEMENT MARKING

						646.1020 MARKING	646.1040 MARKING LINE	646.3040 MARKING LINE	646.4520 MARKING LINE	646.5020 MARKING	646.5120	646.6120 MARKING	646.7120 MARKING	646.8020 MARKING	648.0100 LOCATE	649.0120 TEMPORARY
						LINE	GROOVED WET REFLECTIVE	GROOVED WET	SAME DAY	ARROW	MARKING	STOP LINE	DIAGONAL	CORRUGATED	NO	MARKING LINE
						EPOXY 4-INCH	EPOXY 4-INCH	REF EPOXY	EPOXY 4-INCH	EPOXY	WORD	EPOXY	EPOXY	MEDIAN	PASSING	EPOXY 4-INCH
						YELLOW	WHITE	8-INCH	YELLOW	TYPE 2	EPOXY	18-INCH	12-INCH	EPOXY	ZONES	YELLOW
CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	LF	LF	LF	LF	EA	EA	LF	LF	SF	MI	LF
0010	STH 28															
		25+59	-	33+60	LT/RT	1,610	1,610					16		456		
		33+60	-	469+73	LT/RT		87,300	300	87,230	2	2	188	550		8.3	87,300
	TOTALS					1,610	88,910	300	87,230			204	550	456	8.3	87,300

Ε PROJECT NO: 4060-00-75 HWY: STH 28 COUNTY: WASHINGTON MISCELLANEOUS QUANTITIES SHEET PLOT BY: JESSICA LEWIS, PE PLOT NAME : PLOT SCALE : FILE NAME :

TYPE II PERMANENT SIGNING - 4060-00-75 STH 28

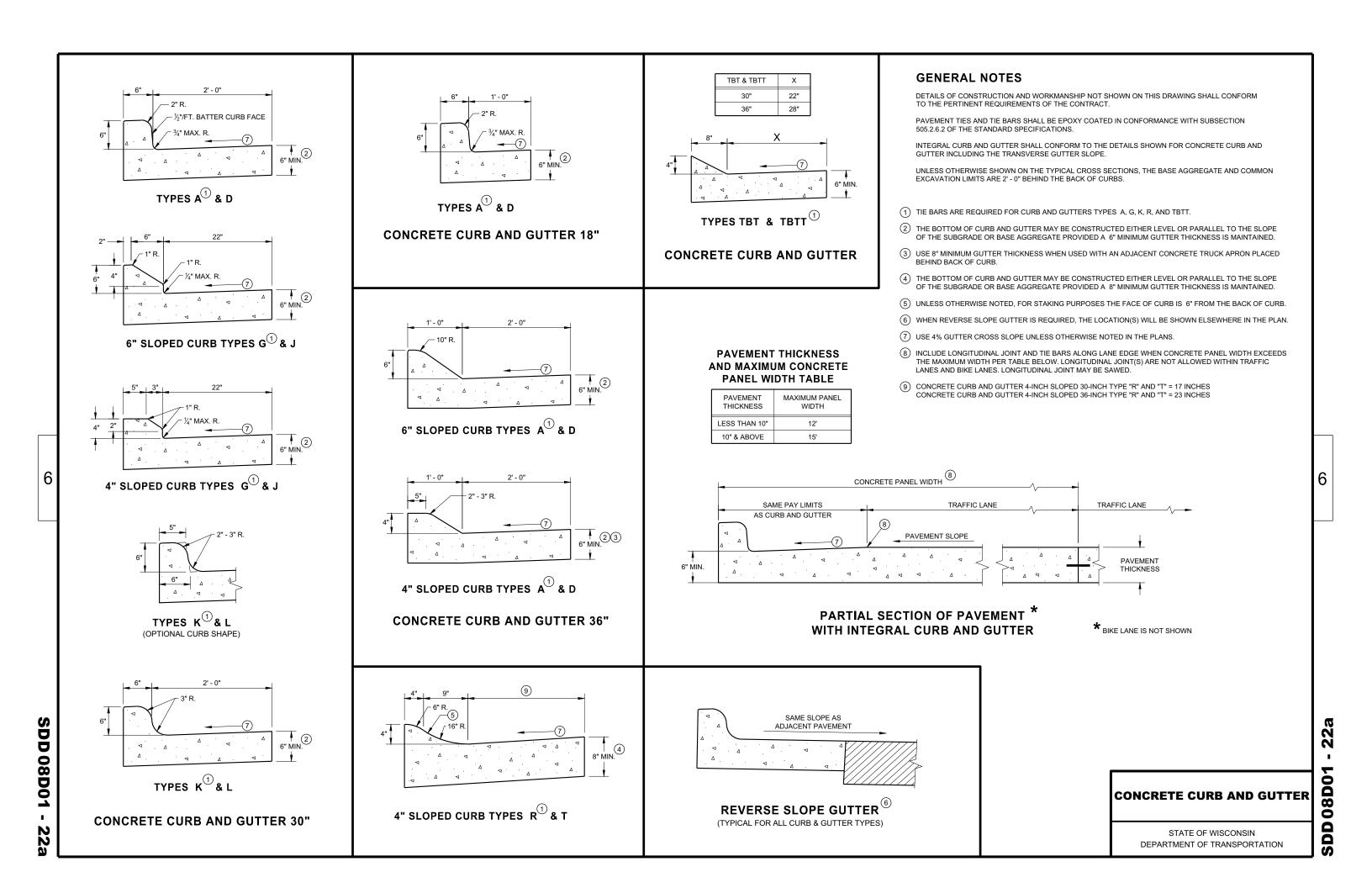
						637.2210	637.2230	638.2602	638.3000	634.0618	638.2102		
	2,2,1					SIGNS	SIGNS	REMOVING	REMOVING				
	SIGN			SIGN		TYPE II	TYPE II	SIGNS	SMALL	WOOD	MOVE	MOUNT	
SIGN	CODE	SIGN		SIZE		REFLC	REFLC	TYPE II	SIGN	POSTS	SIGNS	ON SAME	
NO.	& SIZE	MESSAGE	W	Х	Н	H	F		SUPPORTS	4"X 6"X18'	TYPE II	POST AS	
			[IN.]	Х	[IN.]	[SF]	[SF]	(EA)	[EA]	[EA]	[EA]	SIGN#	REMARKS / NEW SIGN LOCATION
1	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
2	W14-3								1	1	1		
3	W2-1								1	1	1		INCLUDES W13-1
4	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
5	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
6	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
7	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
8	R2-1	SPEED LIMIT 55							1	1	1		
9	W5-52R								1	1	1		
10	W5-52R								1	1	1		
11	W5-52R								1	1	1		
12	W5-52R								1	1	1		
13	W14-3								1	1	1		
14	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
15	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
16	W14-3								1	1	1		
17	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
18	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
19	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
20	W5-52R								1	1	1		4 FOOT MOUNTING HEIGHT
21	R1-1								1	1	1		
	UNDISTRIBUTED					40.000	20.000	5	10	10	10		
	TOTALS					40.000	20.000	5	31	31	31		

SHEET 1 OF 1

PROJECT NO: 4060-00-75 HWY: STH 28 COUNTY: WASHINGTON MISCELLANEOUS QUANTITIES – PERMANENT SIGNING SHEET: **E** 

## Standard Detail Drawing List

08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPE 4B AND 4B1  CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-08	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-04C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY



**END SECTIONCURB AND GUTTER** 

## **DETAIL OF CURB AND GUTTER AT INLETS**

(TYPICAL H INLET COVER SHOWN)

6"

2" R.

(ABOVE ADJACENT PAVEMENT)

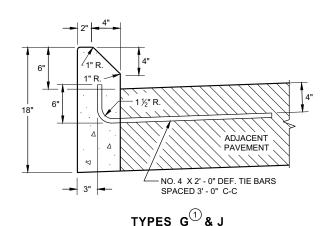
4"

ADJACENT PAVEMENT

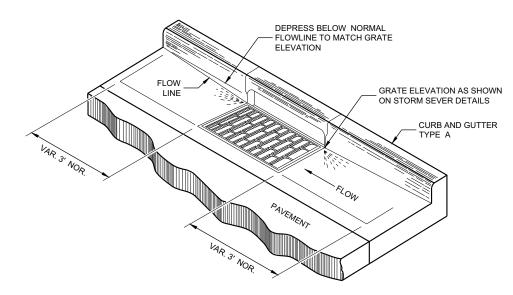
NO. 4 X 2' - 0" DEF. TIE BARS

SPACED 3' - 0" C.C.

TYPES A D



**CONCRETE CURB** 



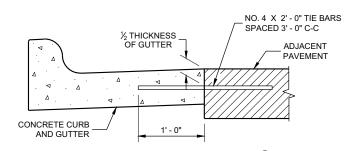
## GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

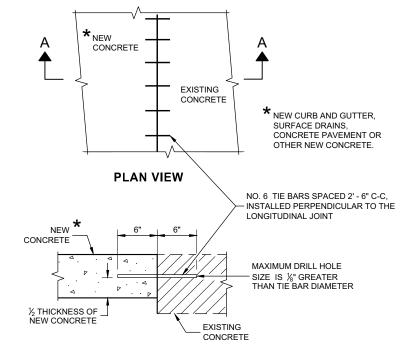
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'- 0" BEHIND THE BACK OF CURBS.

- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- (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.
- 9 REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

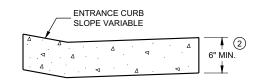


TYPICAL TIE BAR LOCATION  $^{\scriptsize \textcircled{1}}$ 



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (WHEN DIRECTED BY THE ENGINEER)

## CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

 APPROVED

 February 2021
 /S/ Rodnery Taylor

 DATE
 ROADWAY STANDARDS DEVELOPMENT ENGINEER

N

**08DO** 

**VIEW D - D FOR TYPE 1 - A** 

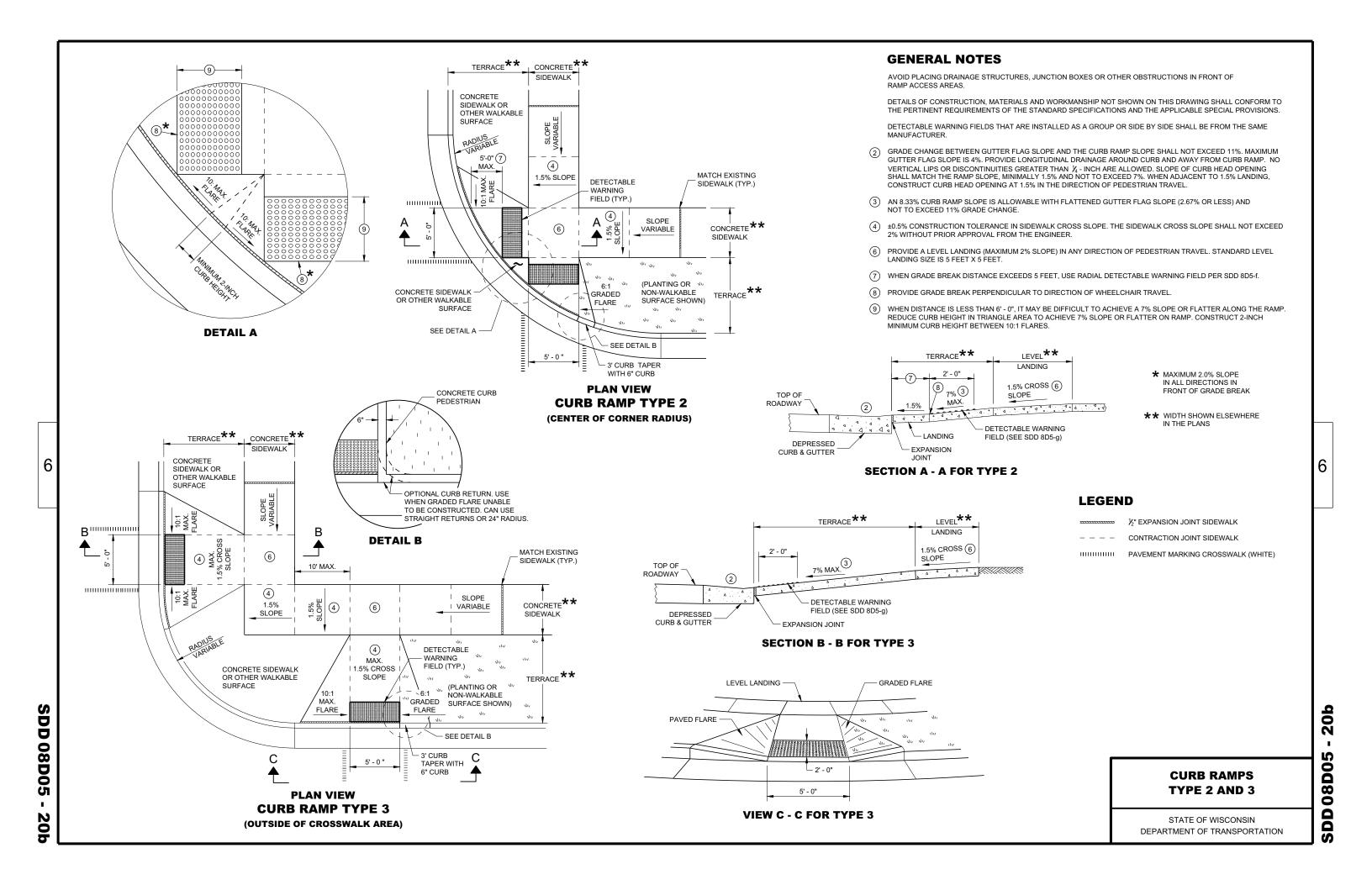
**SECTION B - B FOR TYPE 1** 

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STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION



AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

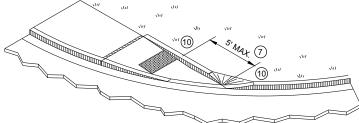
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

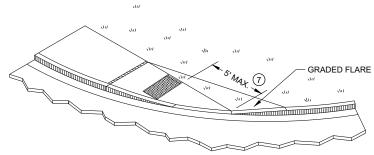
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN  $\frac{1}{4}$  - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE
- (3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- (4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT
- (6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING
- (7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

½" EXPANSION JOINT SIDEWALK CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



**ISOMETRIC VIEW FOR TYPE 4A** 



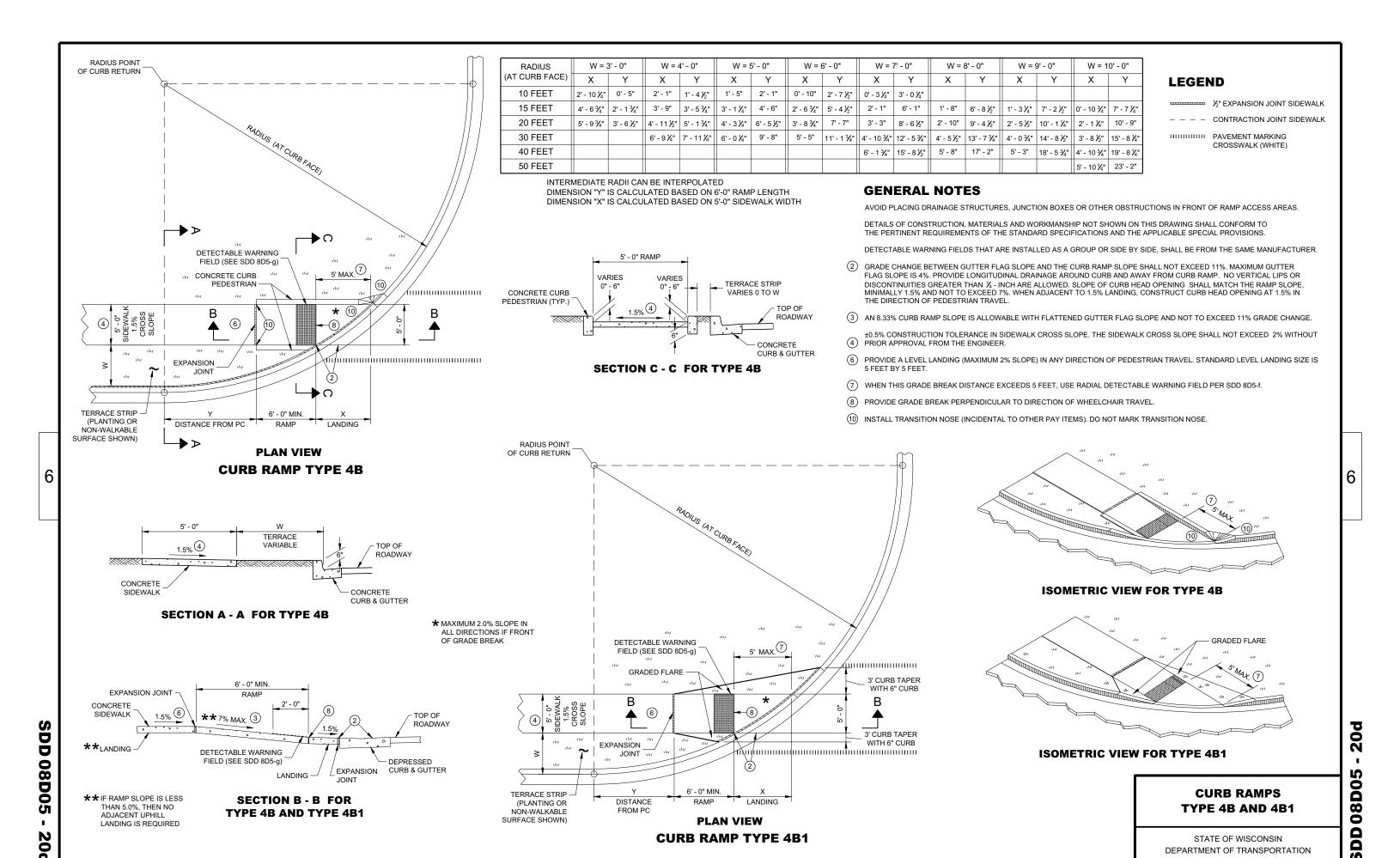
**ISOMETRIC VIEW FOR TYPE 4A1** 

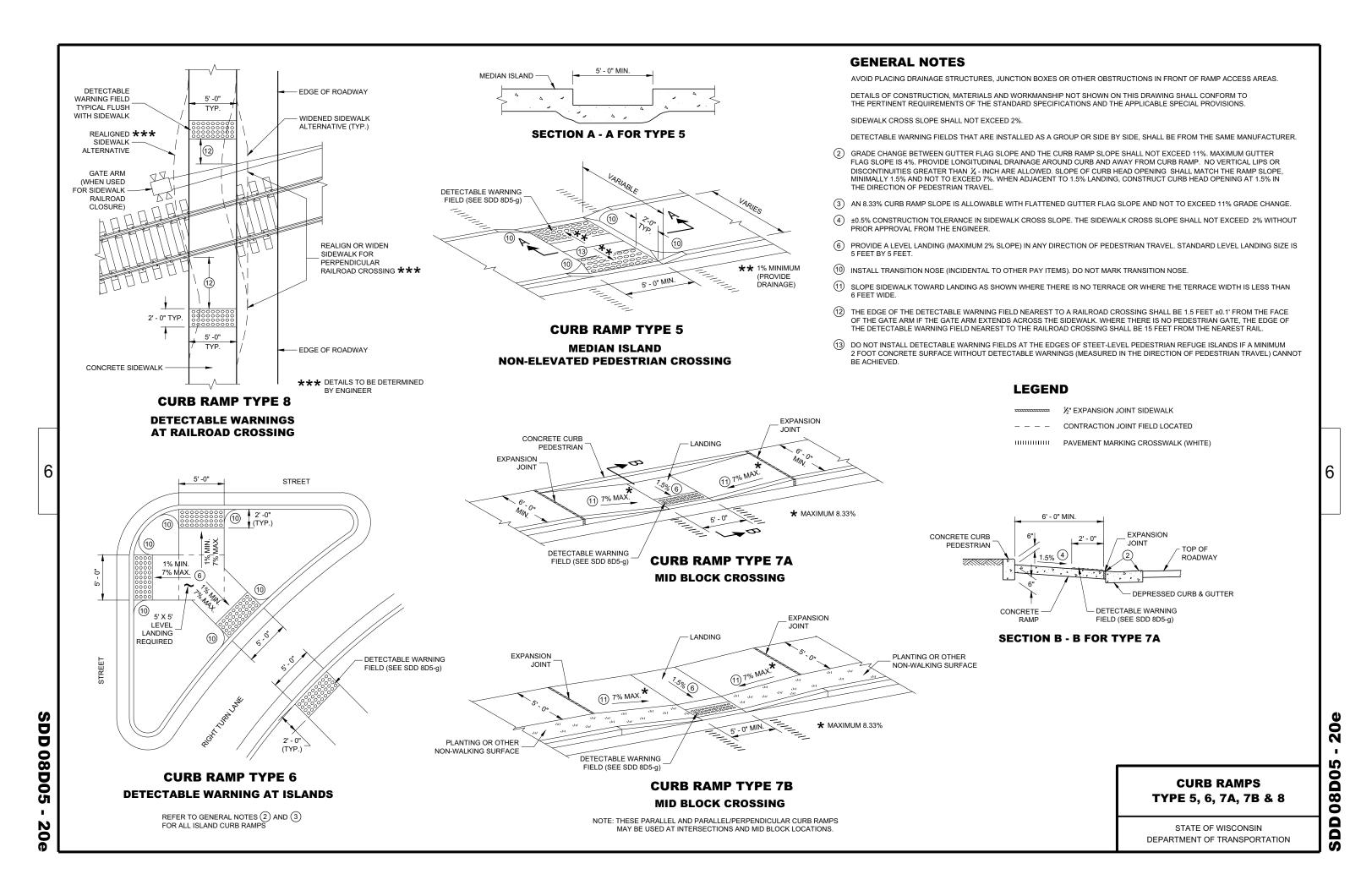
**CURB RAMPS TYPE 4A AND 4A1** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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08D05

20f

RADIAL DETECTABLE WARNING

IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO

LANDING IS REQUIRED

ADJACENT UPHILL

FIELD (SEE SDD 8D5-a)

**SECTION B - B FOR TYPE 4B1** 

**DEPRESSED CURB & GUTTER** 

\*\*\* MAXIMUM 8.33%

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RADIAL DETECTABLE WARNING **FIELD APPLICATIONS** 

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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**PLAN VIEW** 

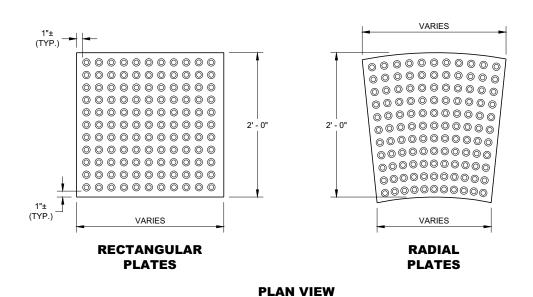
MIN. MAX. 1.6" 2.4" В 0.65" 1.5" С \* 0.9" 1.4"

★ THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

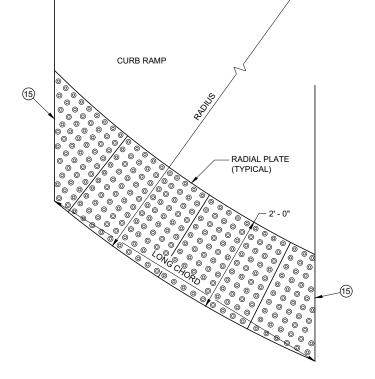


**ELEVATION VIEW** 

## **TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL**



**DETECTABLE WARNING FIELDS (TYPICAL)** 



**GENERAL NOTES** 

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER. PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER

(fs) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING

THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

**PLAN VIEW RADIAL DETECTABLE WARNING FIELD ATTRIBUTES** 

RECTANGULAR PLATE  $\bigcirc$ 0  $\bigcirc$ RECTANGULAR PLATE  $\bigcirc$  $\bigcirc$ (TYPICAL) 0

**PLAN VIEW RADIAL WEDGE PLATE CONNECTION DETAIL** 

## **CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

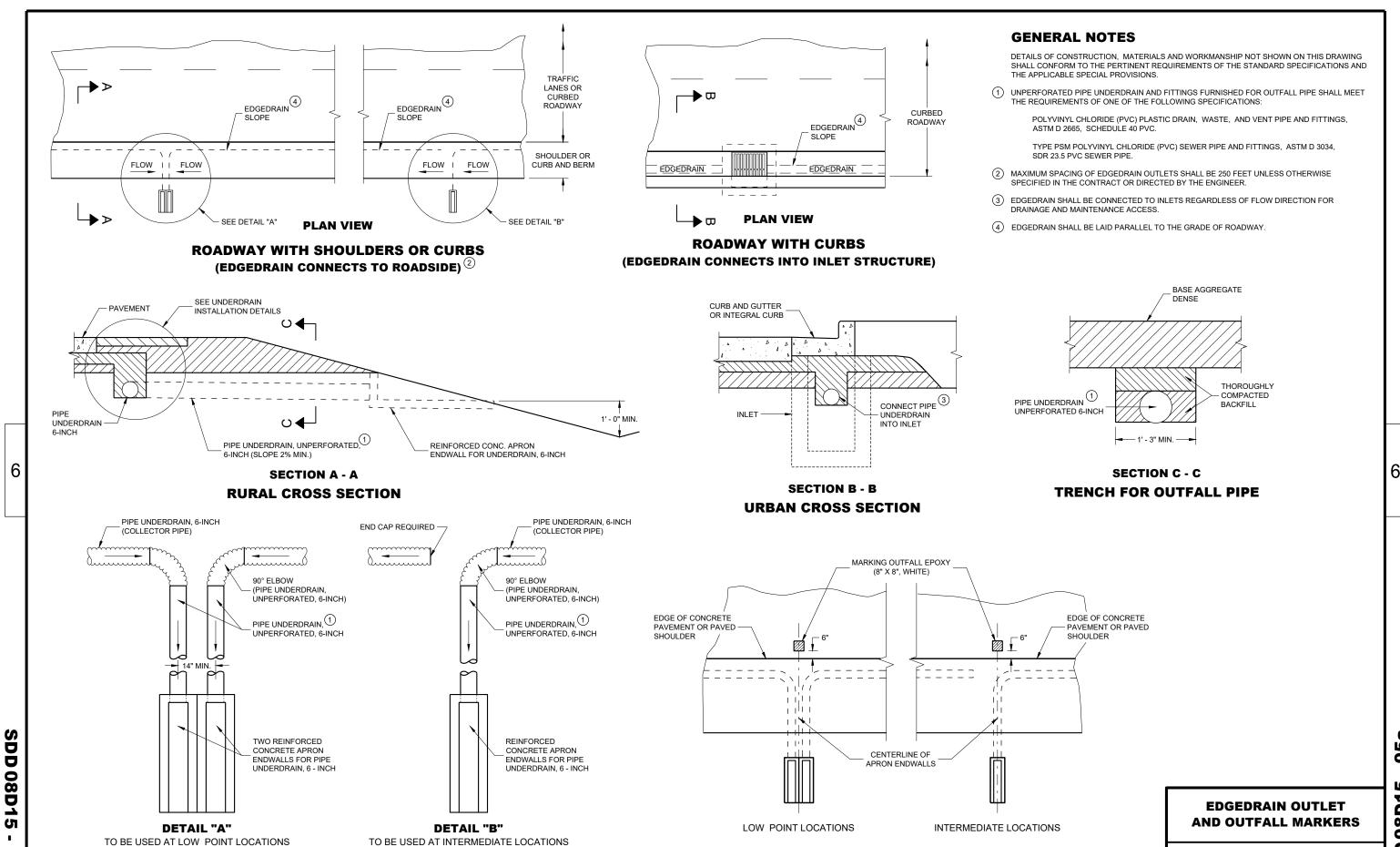
APPROVED

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR May 2019
DATE

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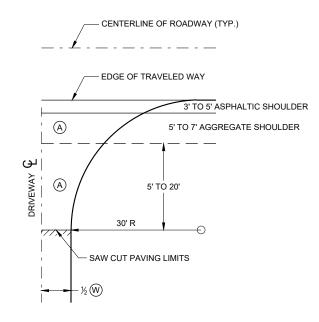


**TYPICAL DRAIN OUT DETAILS** 

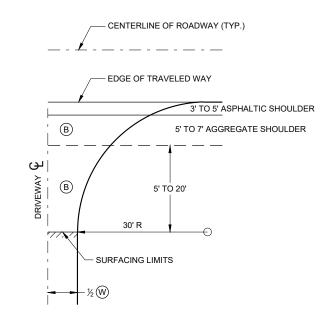
**PAVEMENT MARKINGS FOR OUTFALL MARKERS** 

SDD 08D15 - 05

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

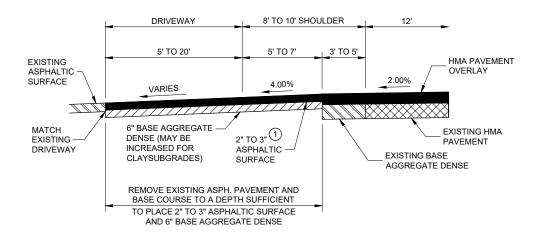


- (A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)
- ig(Big) : PAID FOR AS BASE AGGREGATE DENSE 1  $1\!\!\!/ _4$ " (TON)
- W): DRIVEWAY WIDTH 16' MIN. 24' MAX.

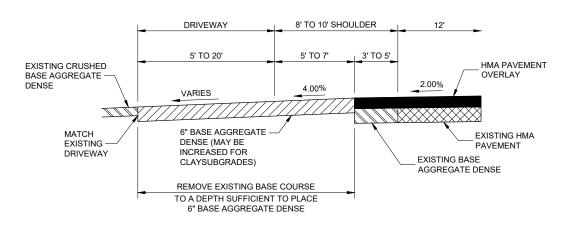


# PLAN VIEW HALF SECTION





PROFILE VIEW
RURAL ENTRANCE
WITH ASPHALTIC SURFACE
RESURFACING PROJECTS



PROFILE VIEW
RURAL ENTRANCE
WITH AGGREGATE SURFACE
6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

## DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

December 2016

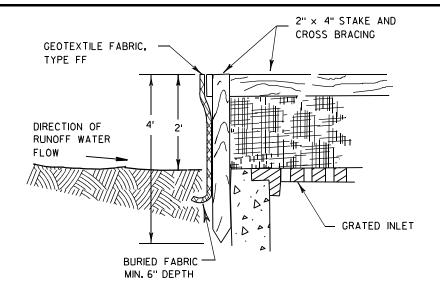
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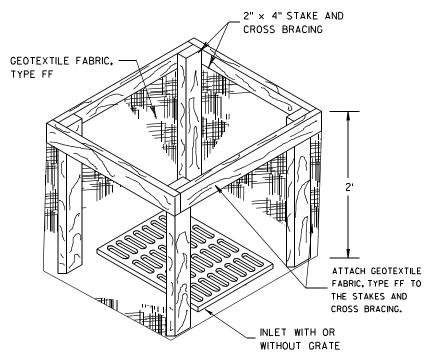
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

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SDD 08D22 -

SDD 08D22





#### INLET PROTECTION, TYPE A

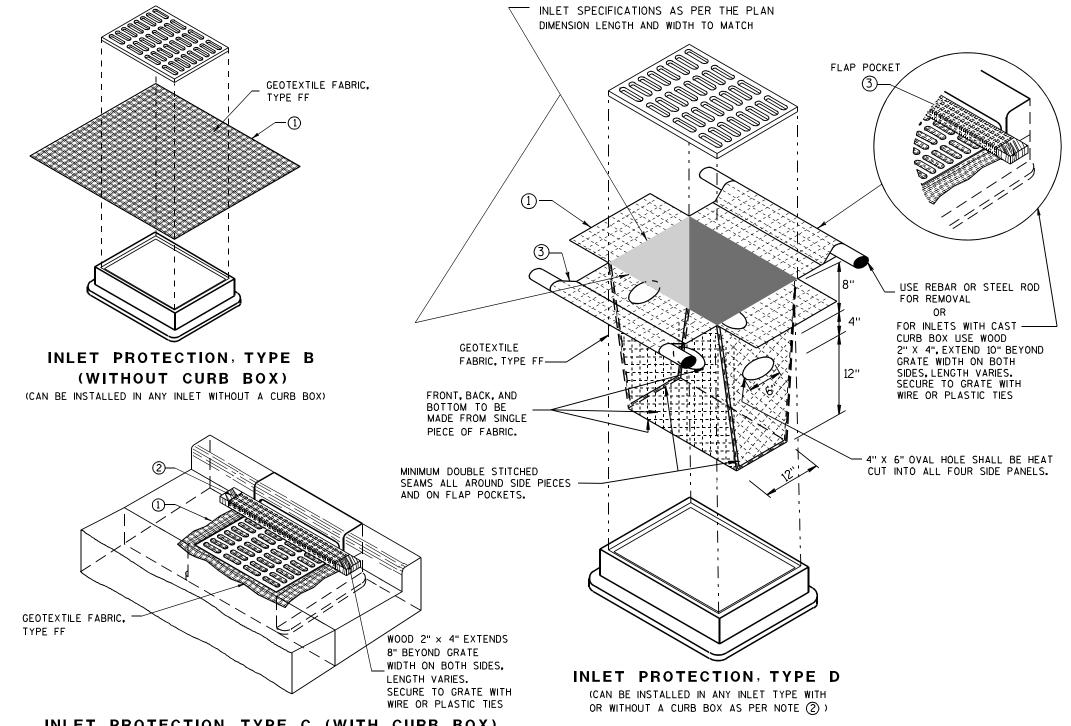
### **GENERAL NOTES**

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- (2) FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



### INLET PROTECTION, TYPE C (WITH CURB BOX)

#### **INSTALLATION NOTES**

#### TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

#### TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

#### INLET PROTECTION TYPE A, B, C, AND D

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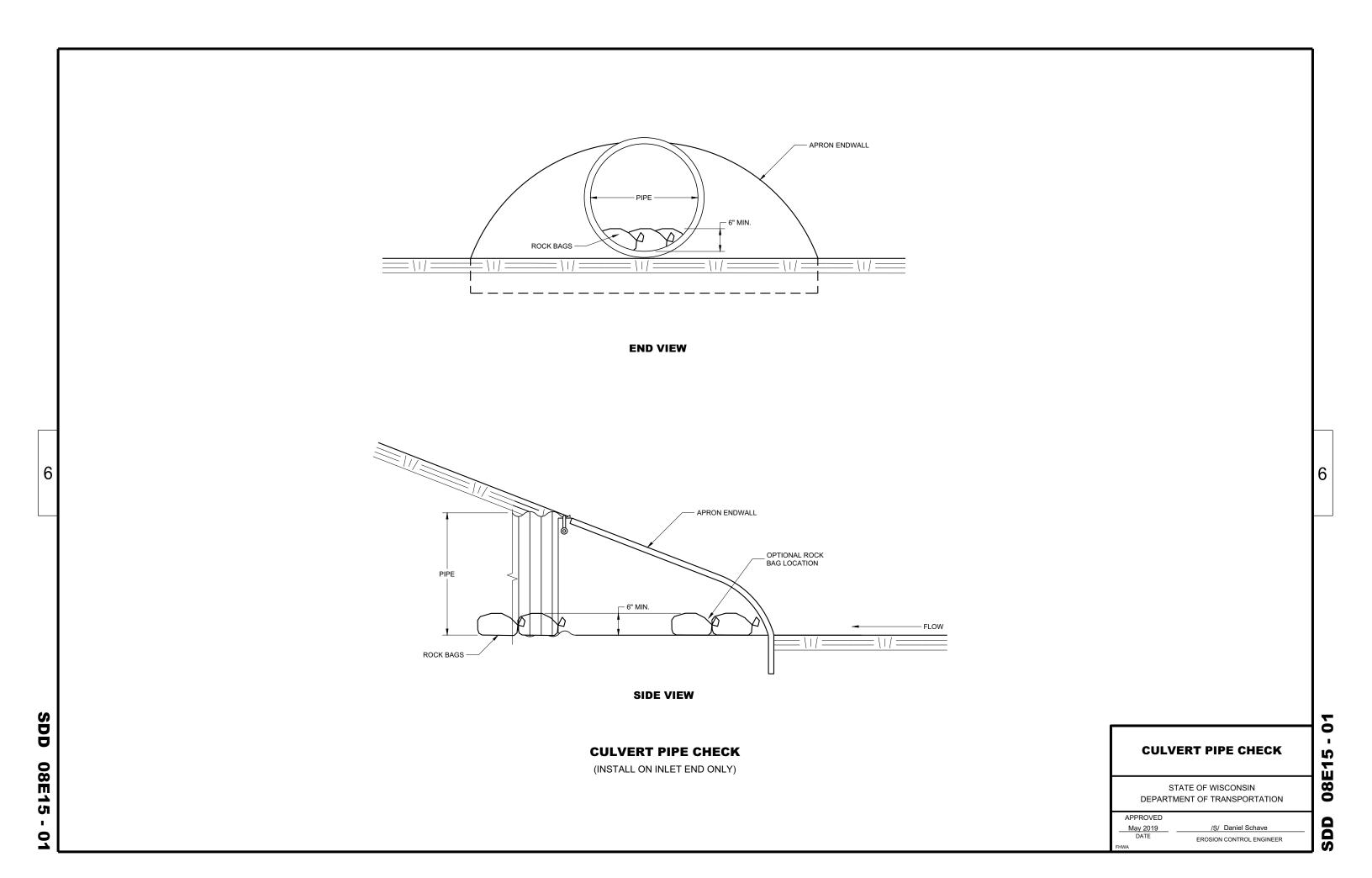
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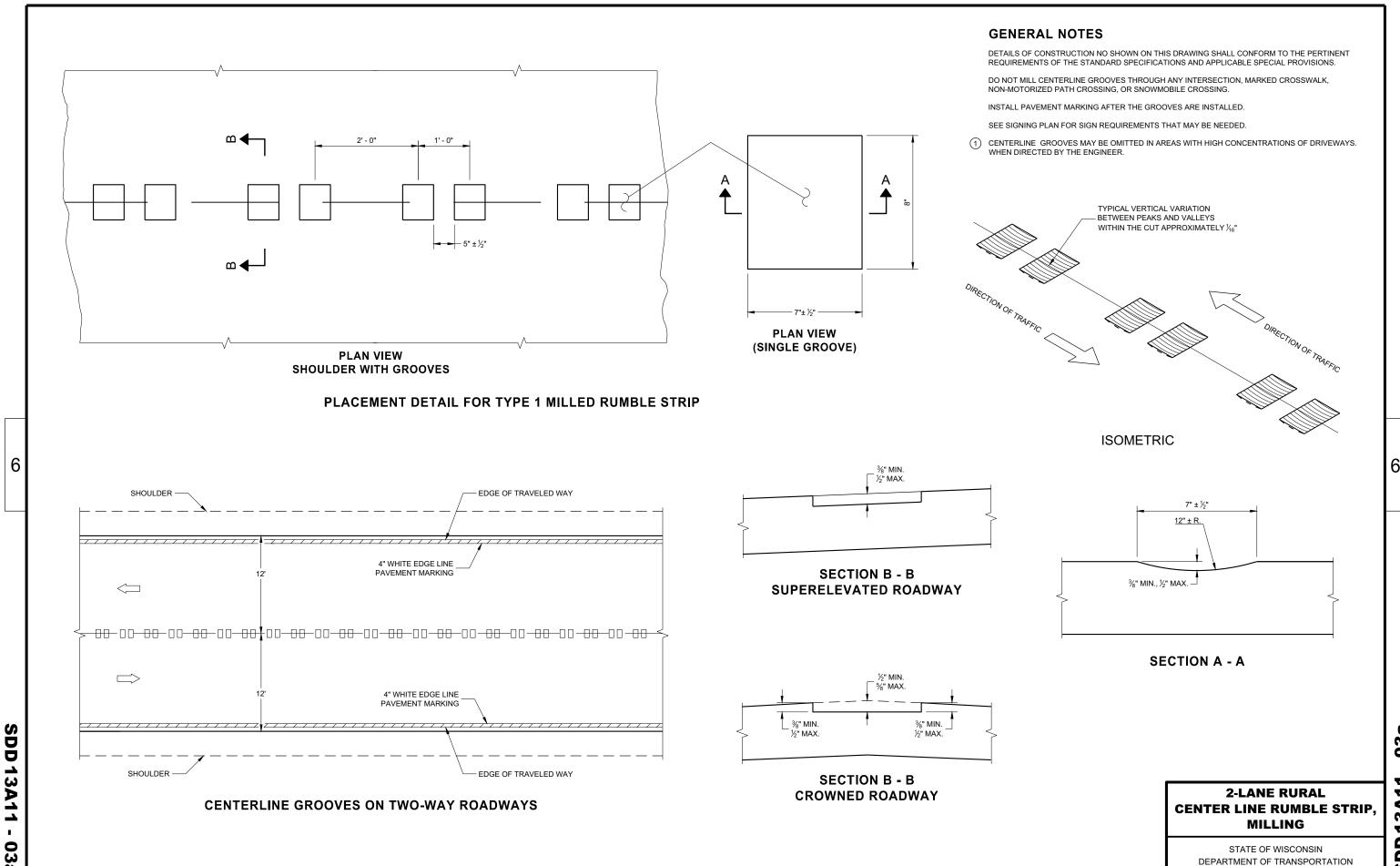
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

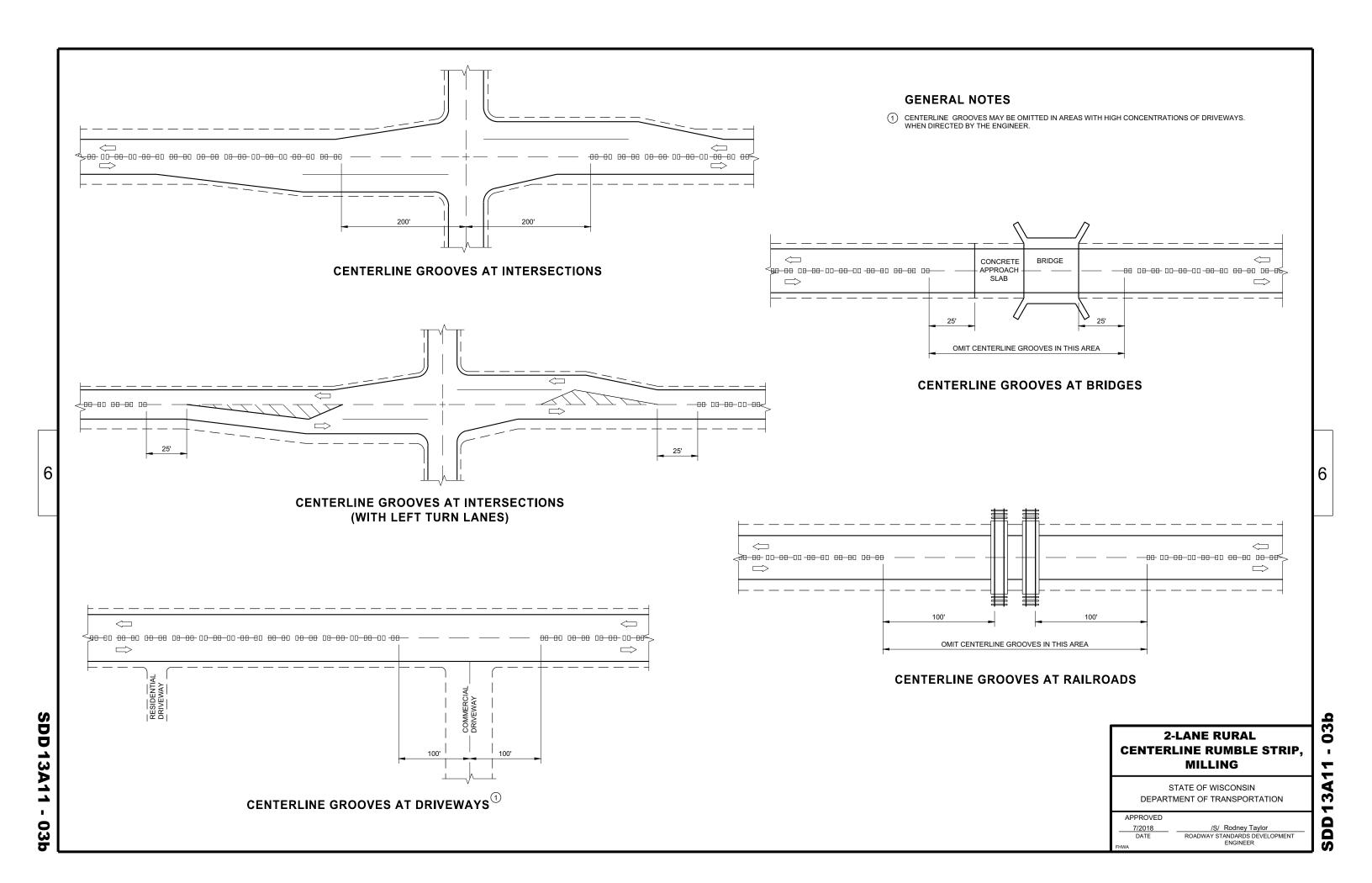
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER

10/16/02

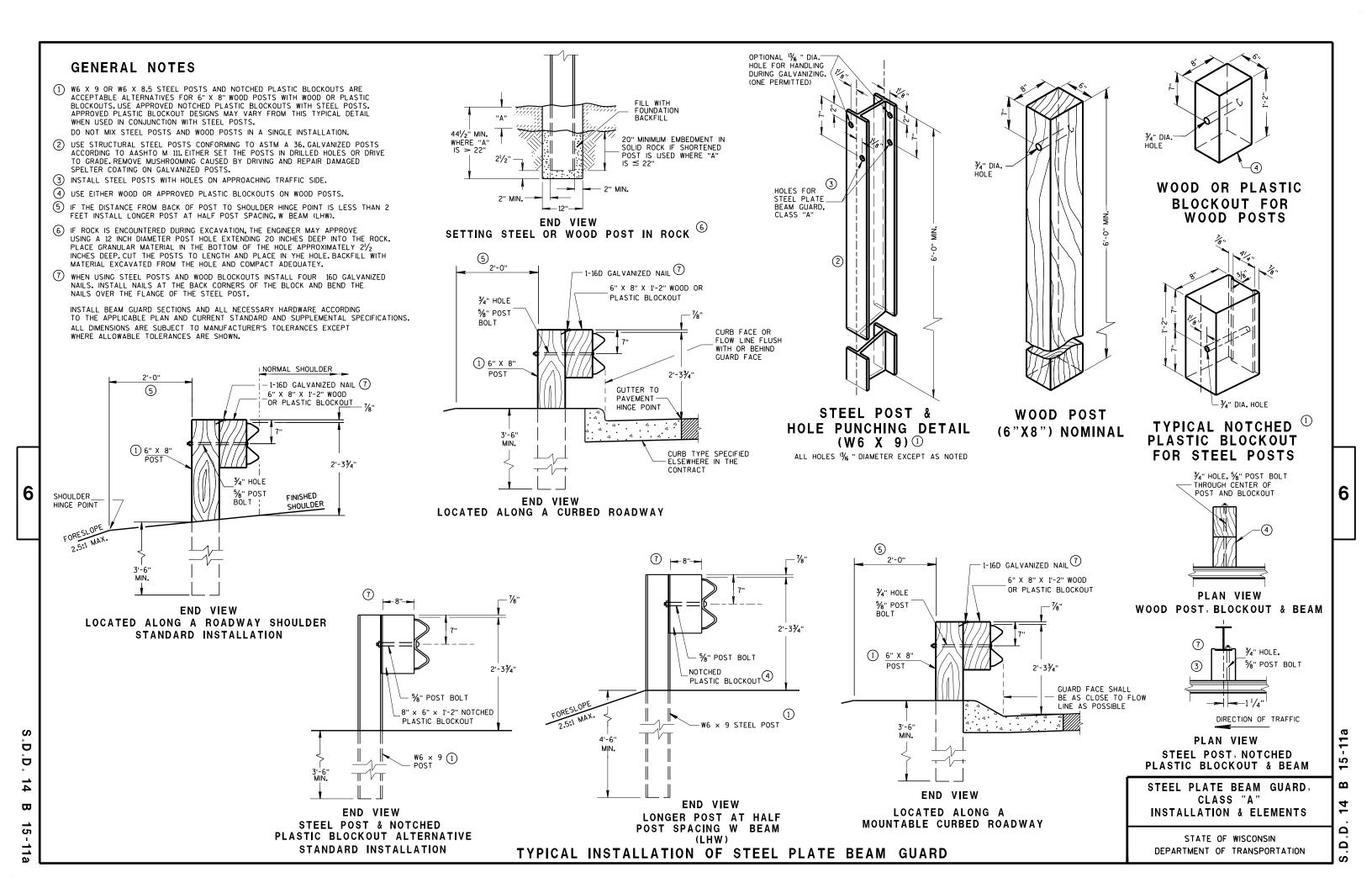




Ö SDD







POST SPACING STANDARD INSTALLATION

12'-6" OR 25'-0"

FRONT VIEW

## SECTION THRU W

SYMMETRICAL

BEAM

ABOUT & -12 GAGE

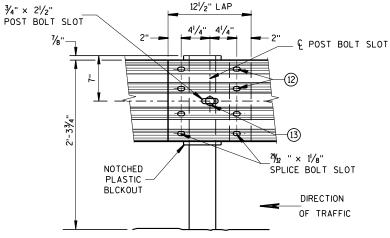
# 121/2" LAP WOOD OR PLASTIC BLOCKOUT FINISHED SHOULDER DIRECTION OF TRAFFIC FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

## **GENERAL NOTES**

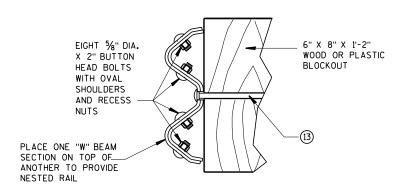
FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

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



FRONT VIEW BEAM SPLICE AT STEEL POST

## TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



**NESTED W BEAM (NW)** 

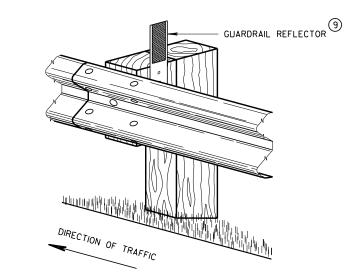
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

#### EFFECTIVE LENGTH OF BEAM 3'-11/2" C-C 3'-11/2" C-C 3'-1<sup>1</sup>/<sub>2</sub>" C-C 3'-1<sup>1</sup>/<sub>2</sub>" C-C POST SPACING SPACING **SPACING** SPACING FINISHED DIRECTION OF SHOULDER TRAFFIC

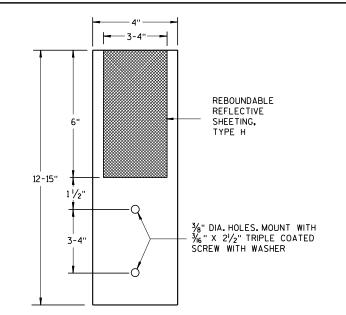
FRONT VIEW

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

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



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



4"x 12" GUARDRAIL REFLECTOR

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

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15-11b

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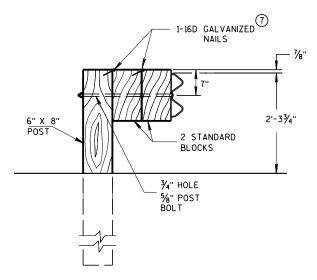
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

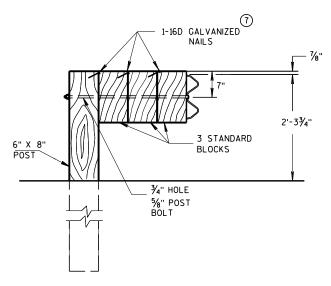
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#### DETAIL FOR DOUBLE BLOCKS

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

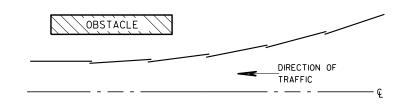


## DETAIL FOR TRIPLE BLOCKS

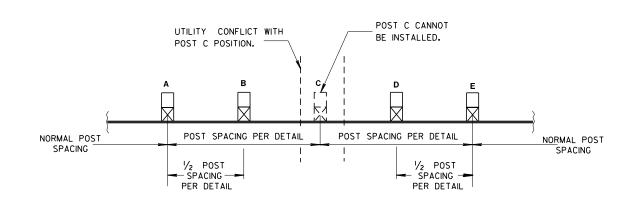
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

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

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



## PLAN VIEW BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017

DATE

FHWΔ

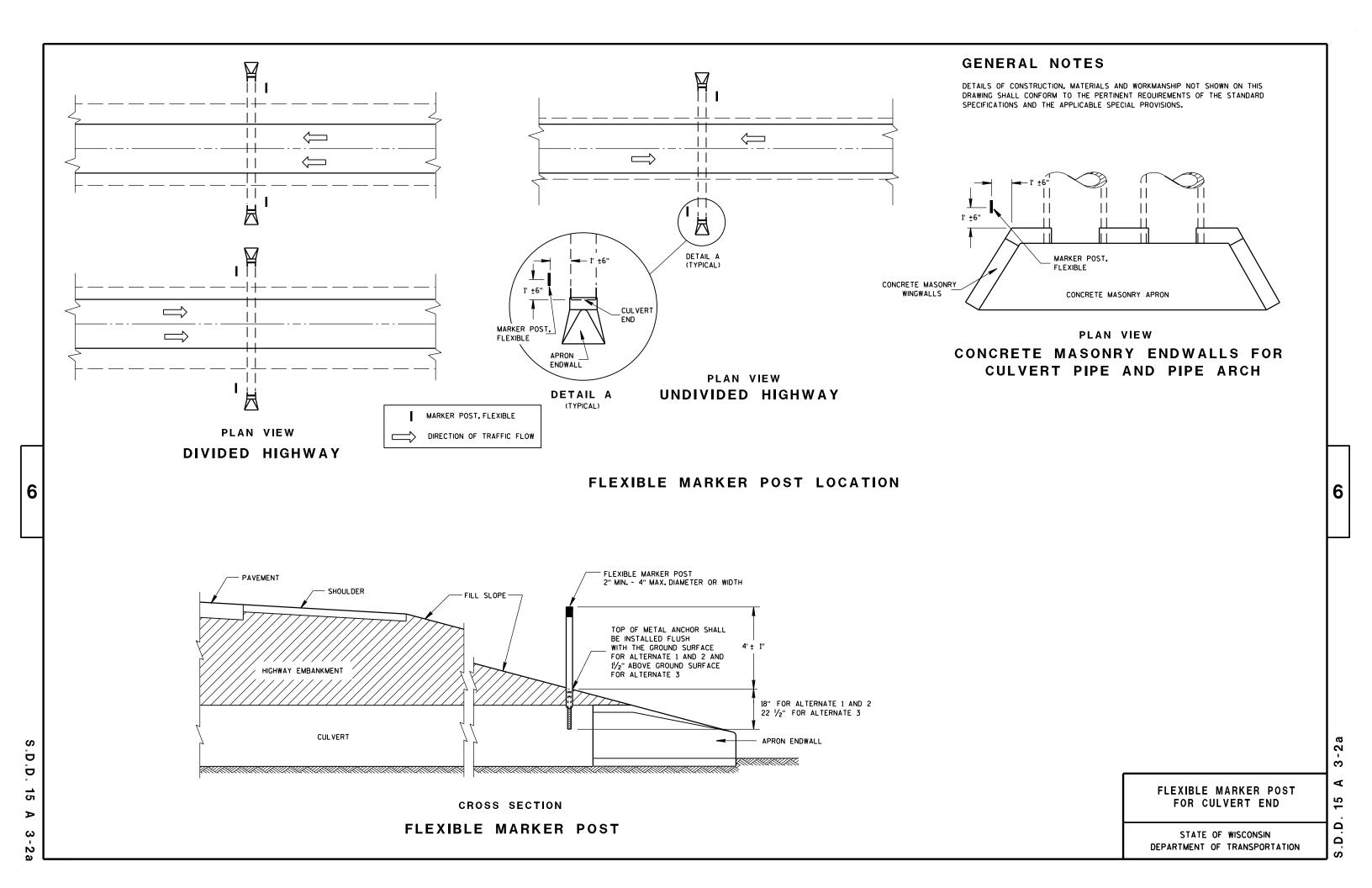
/S/ Rodney Taylor

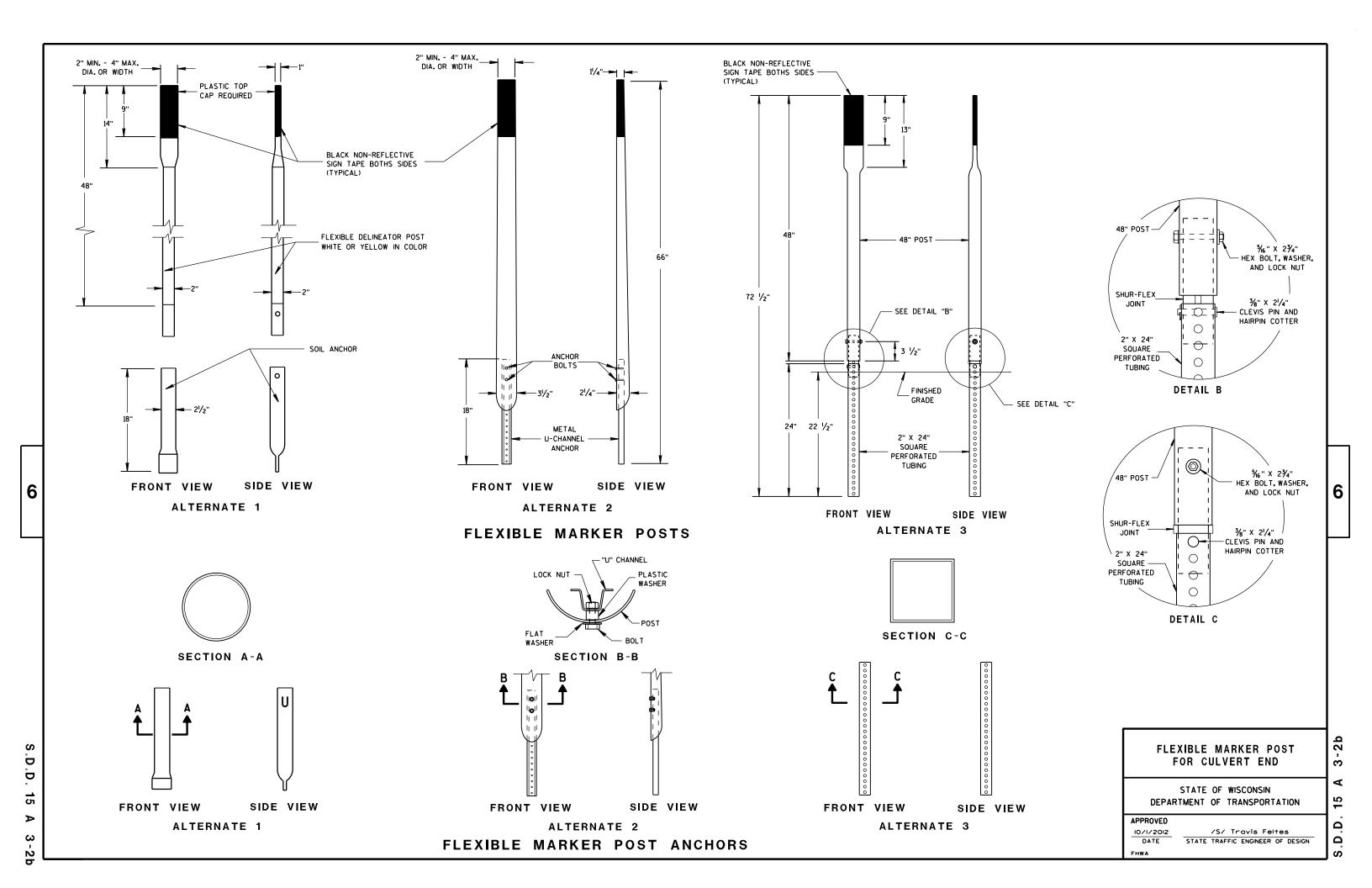
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

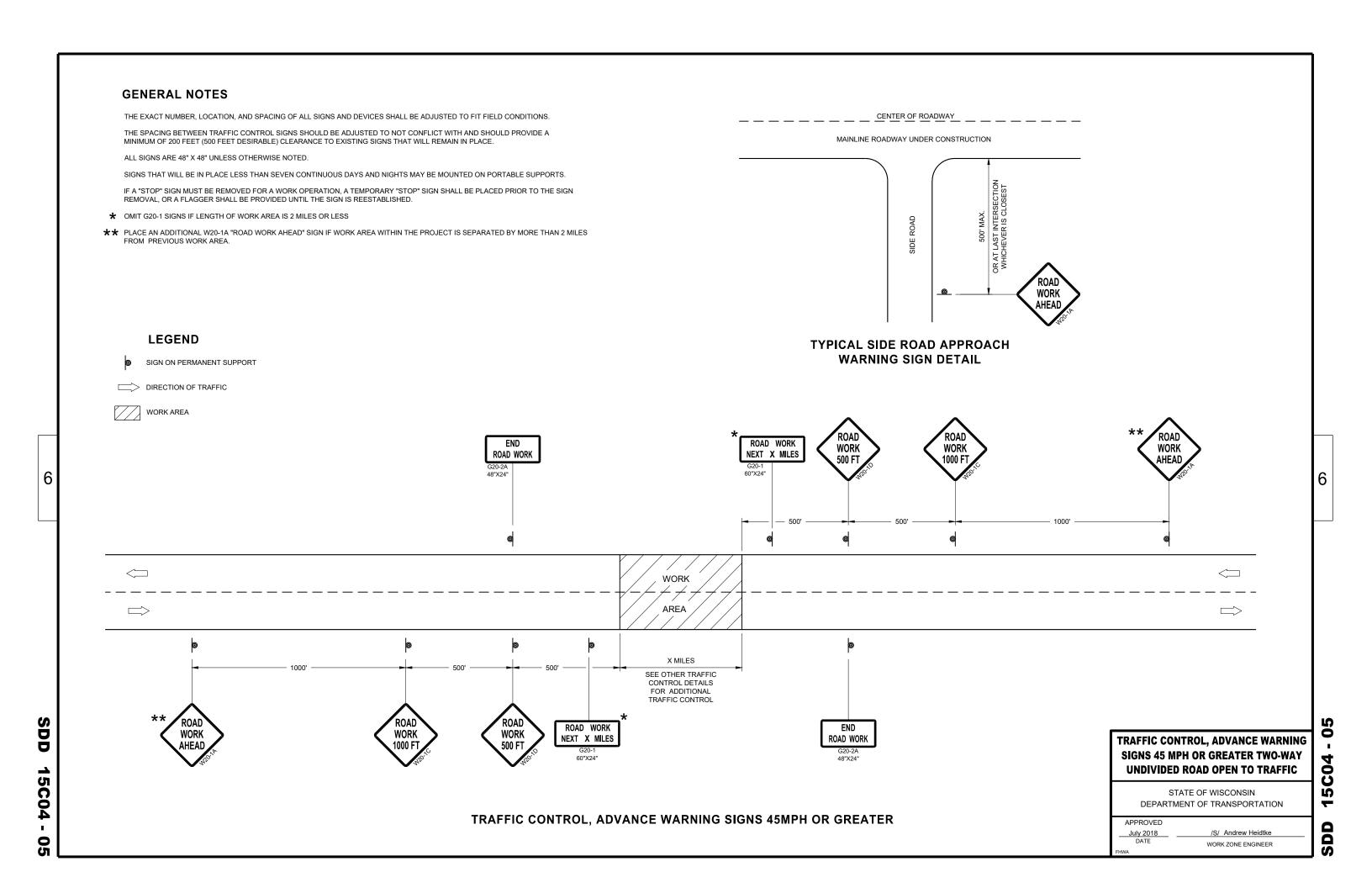
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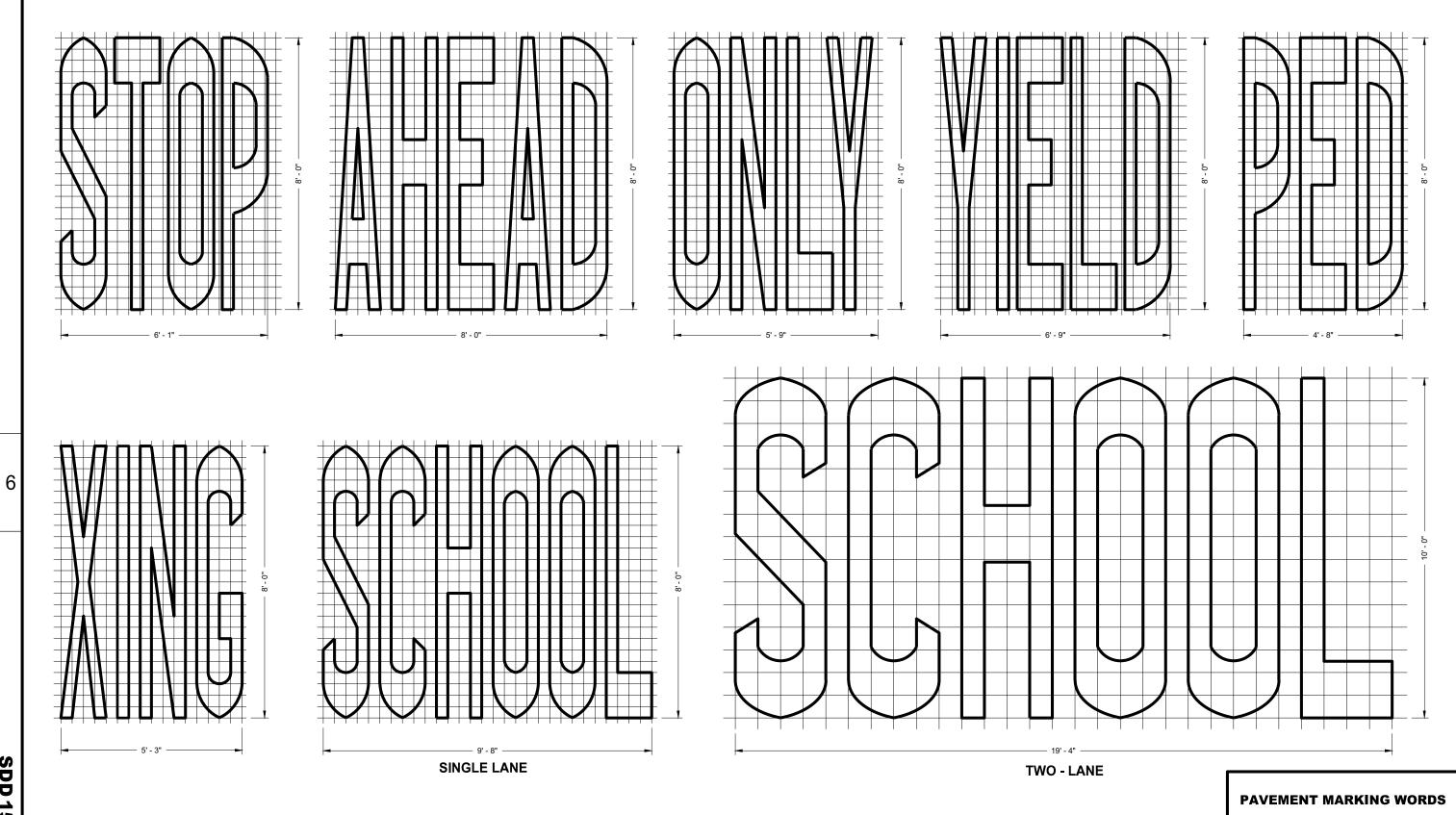
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SDD 15C07 - 15b

## **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.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

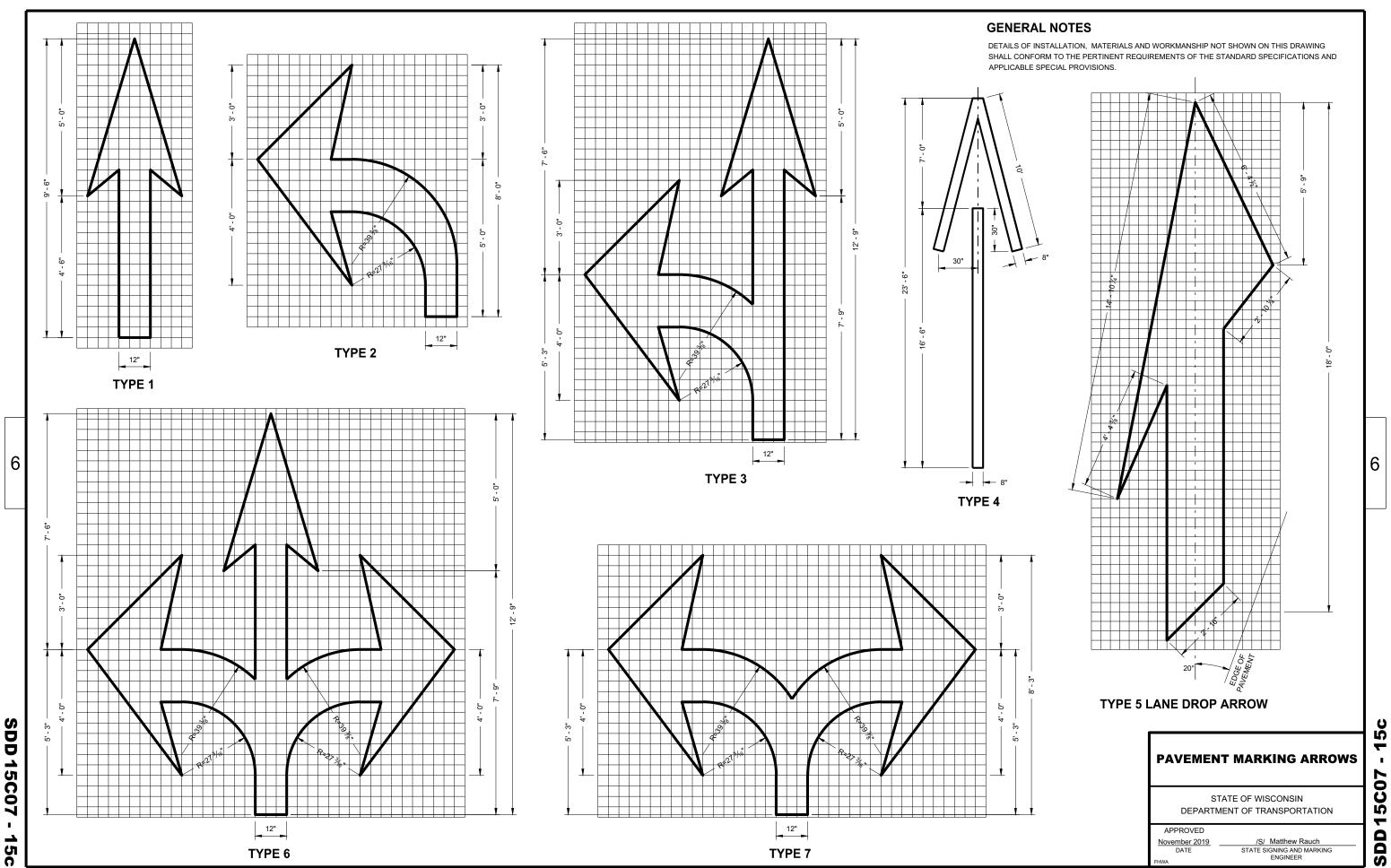
6

**5**b

**SDD15C07** 

APPROVED

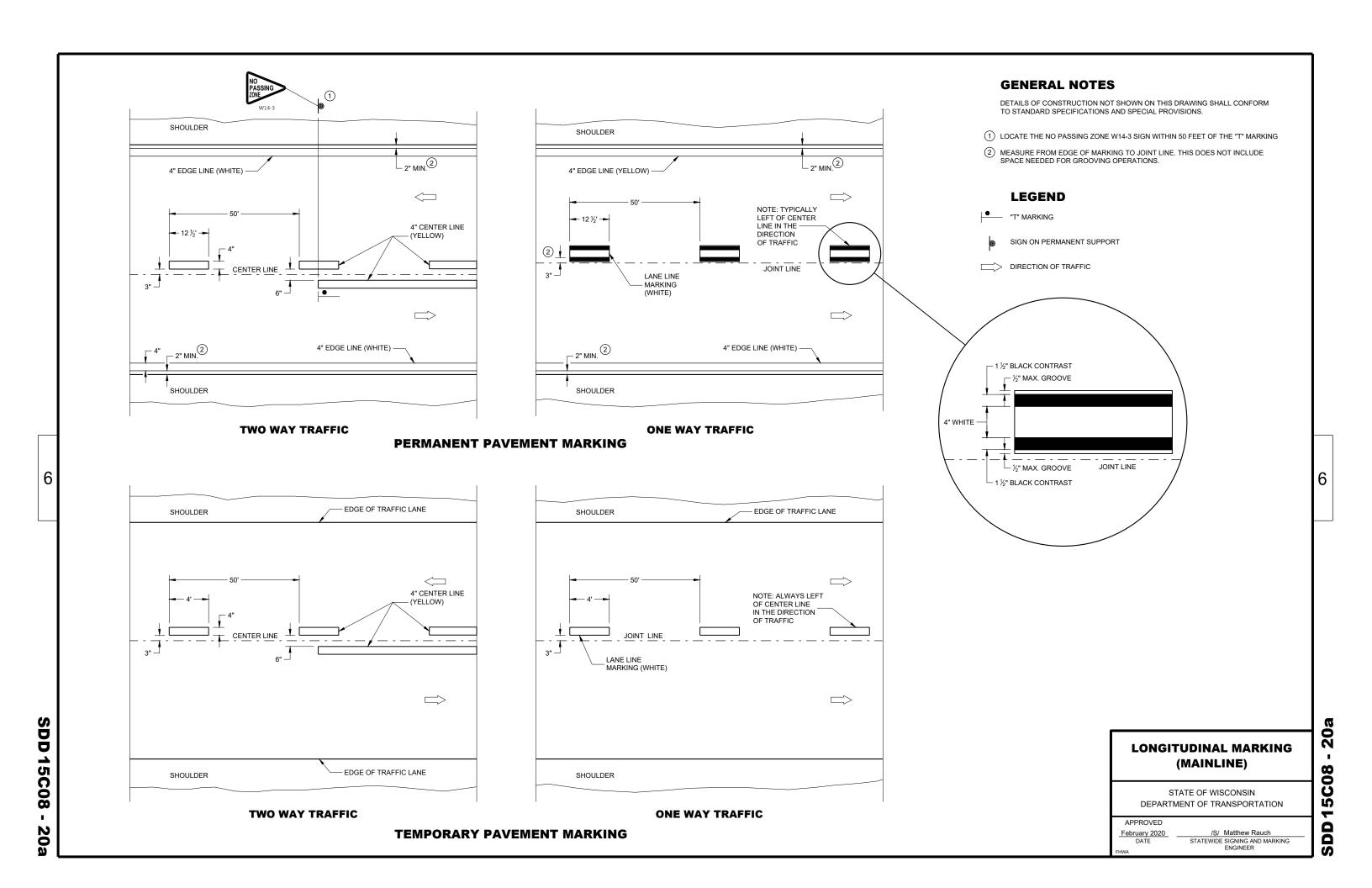
November 2019 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING
ENGINEER



TYPE 7

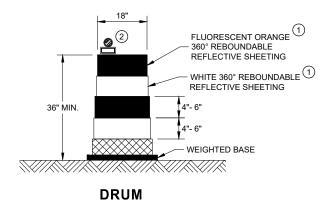
TYPE 6

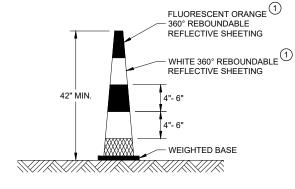
SDD



#### **GENERAL NOTES**

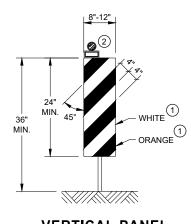
- (1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- (2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



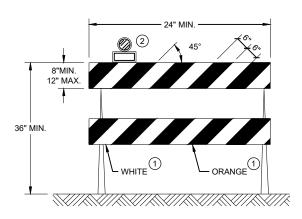


**42" CONE** DO NOT USE IN TAPERS

½ SPACING OF DRUMS

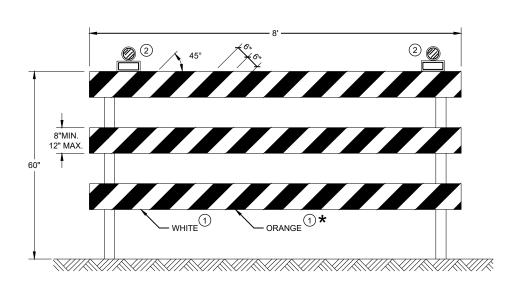


**VERTICAL PANEL** THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



#### **TYPE II BARRICADE**

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



#### **TYPE III BARRICADE**

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

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

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

<u>60</u>

15C

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

RUMBLE

STRIPS

ROAD

WORK

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

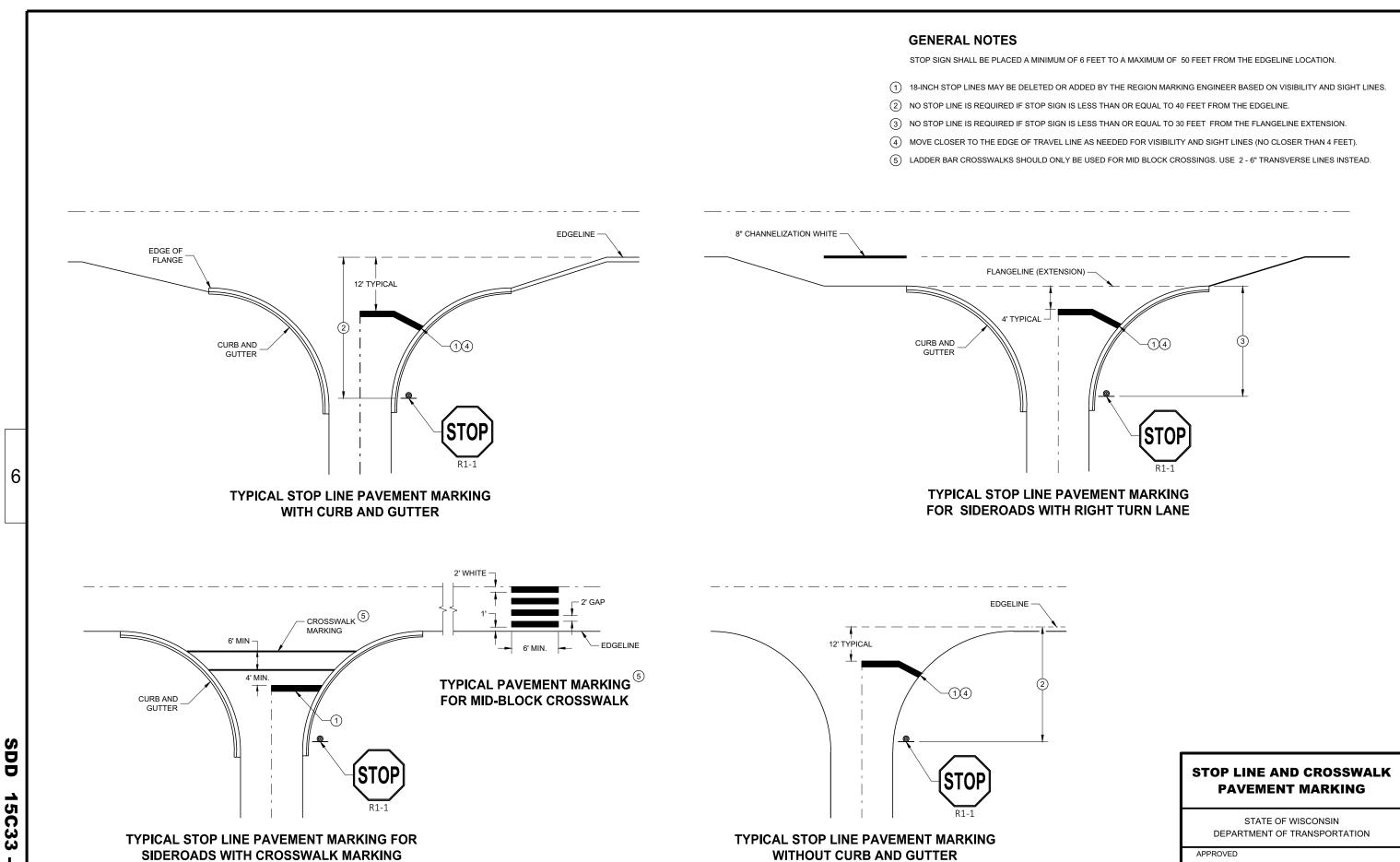
#### TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

2

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

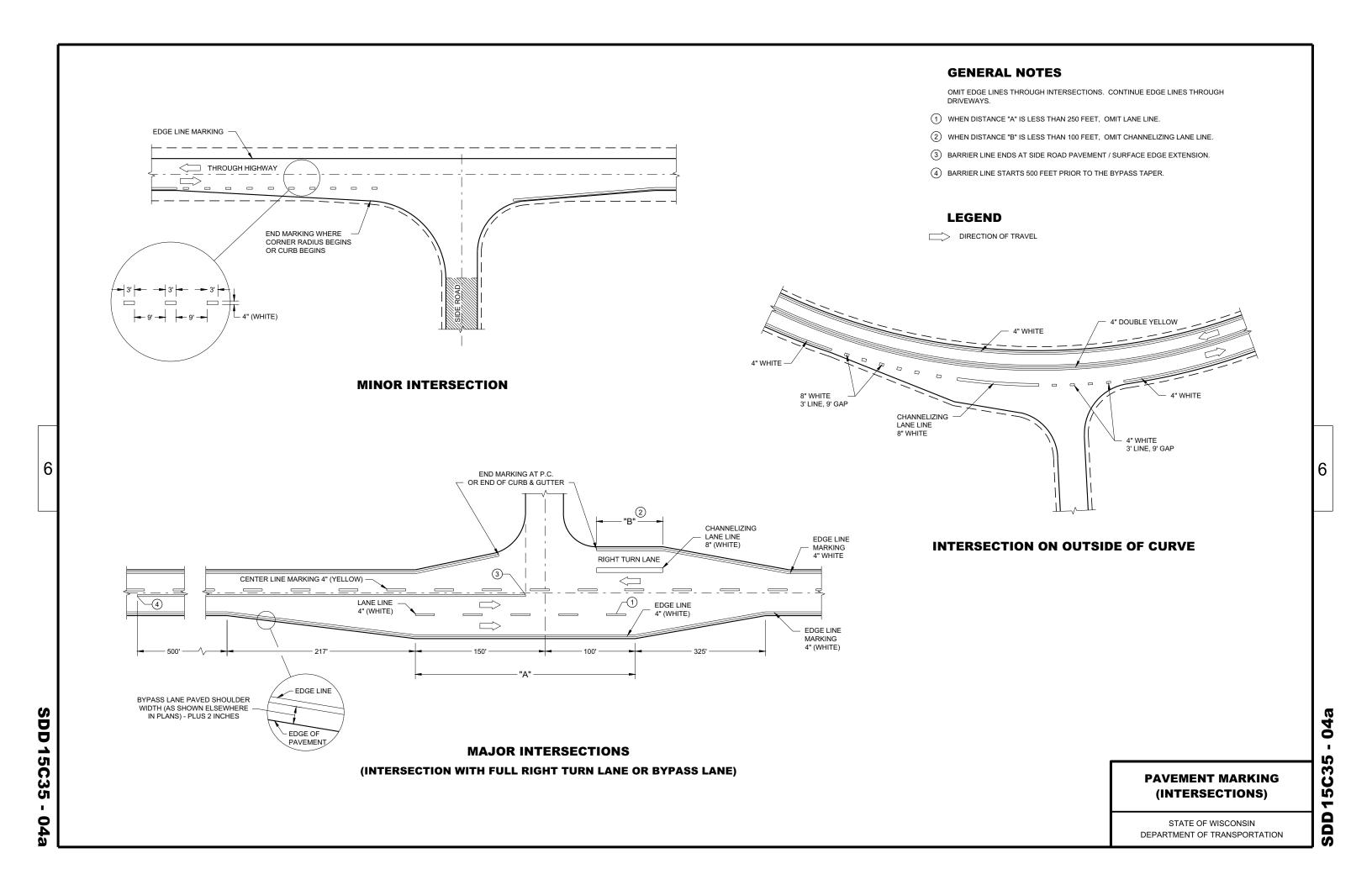
APPROVED November 2021 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER



**C33** 15 SDD

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

November 2019 DATE

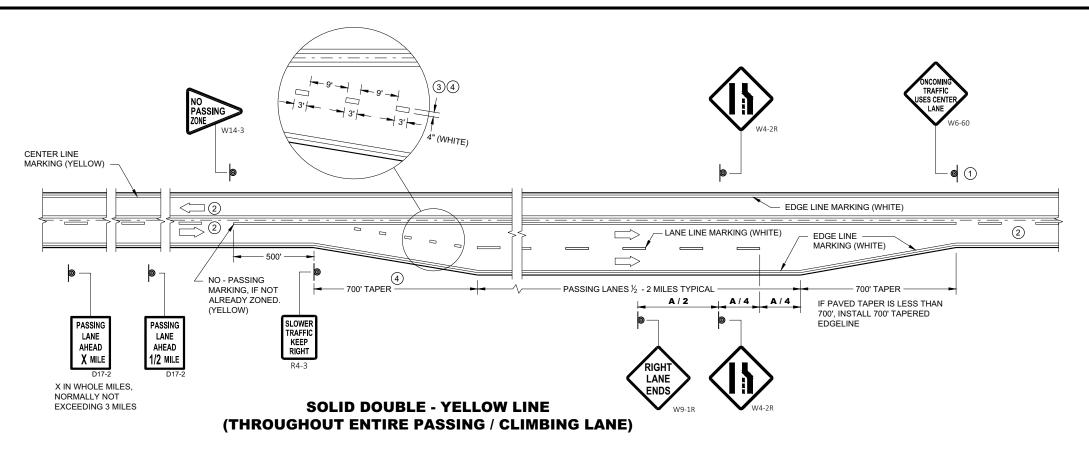


**04**b

CS

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SDD



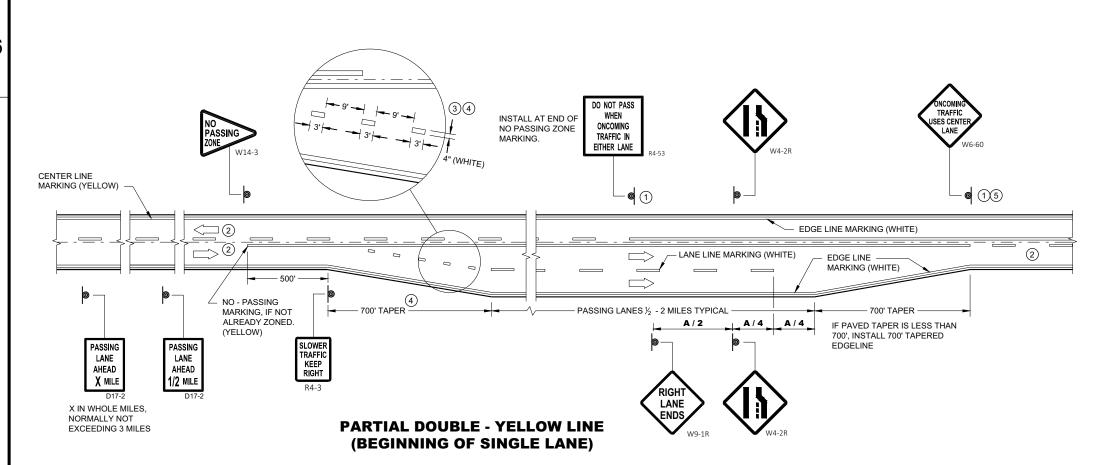
#### **GENERAL NOTES**

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

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

#### **DISTANCE TABLE**

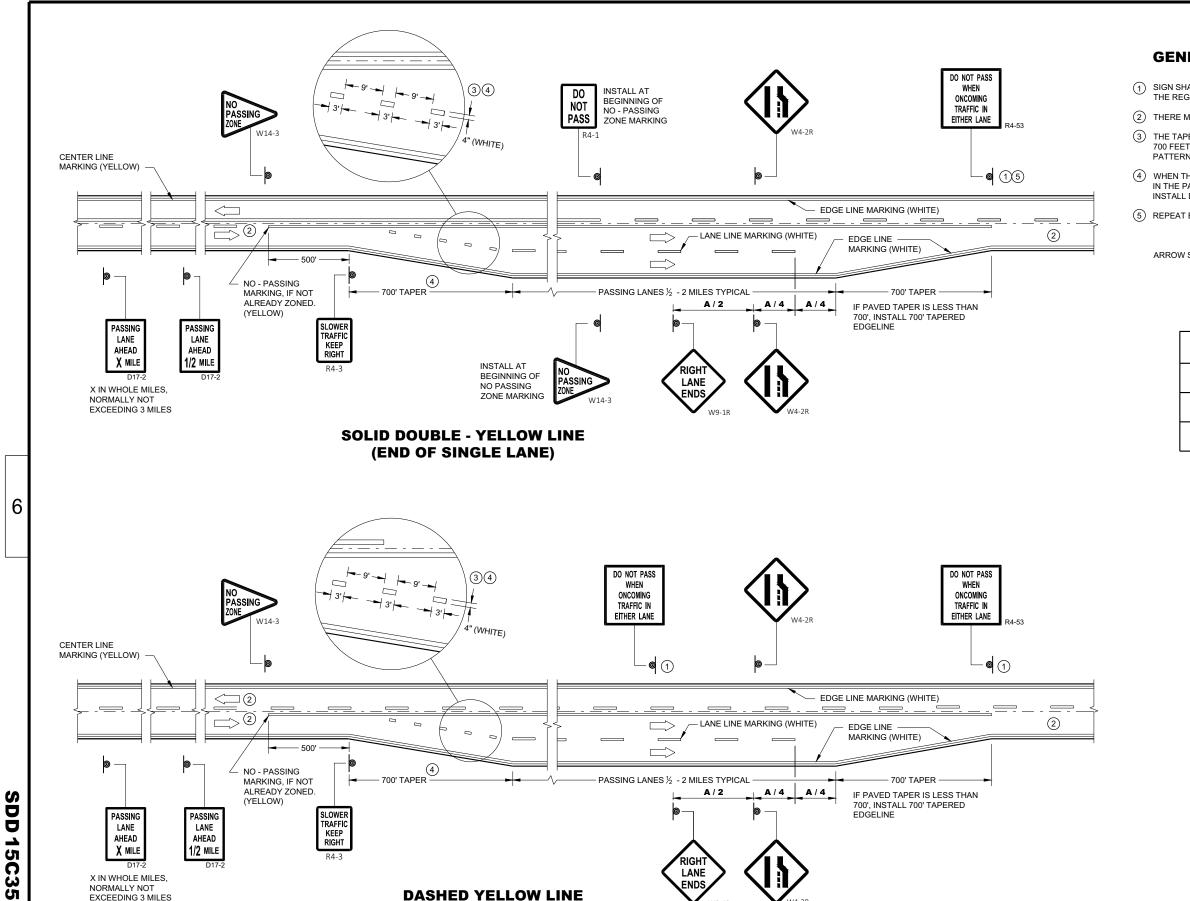
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990



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

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

**SDD 15C35 04**b



(THROUGHOUT SINGLE LANE)

**EXCEEDING 3 MILES** 

04c

#### **GENERAL NOTES**

- (1) SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- (2) THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- (5) REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

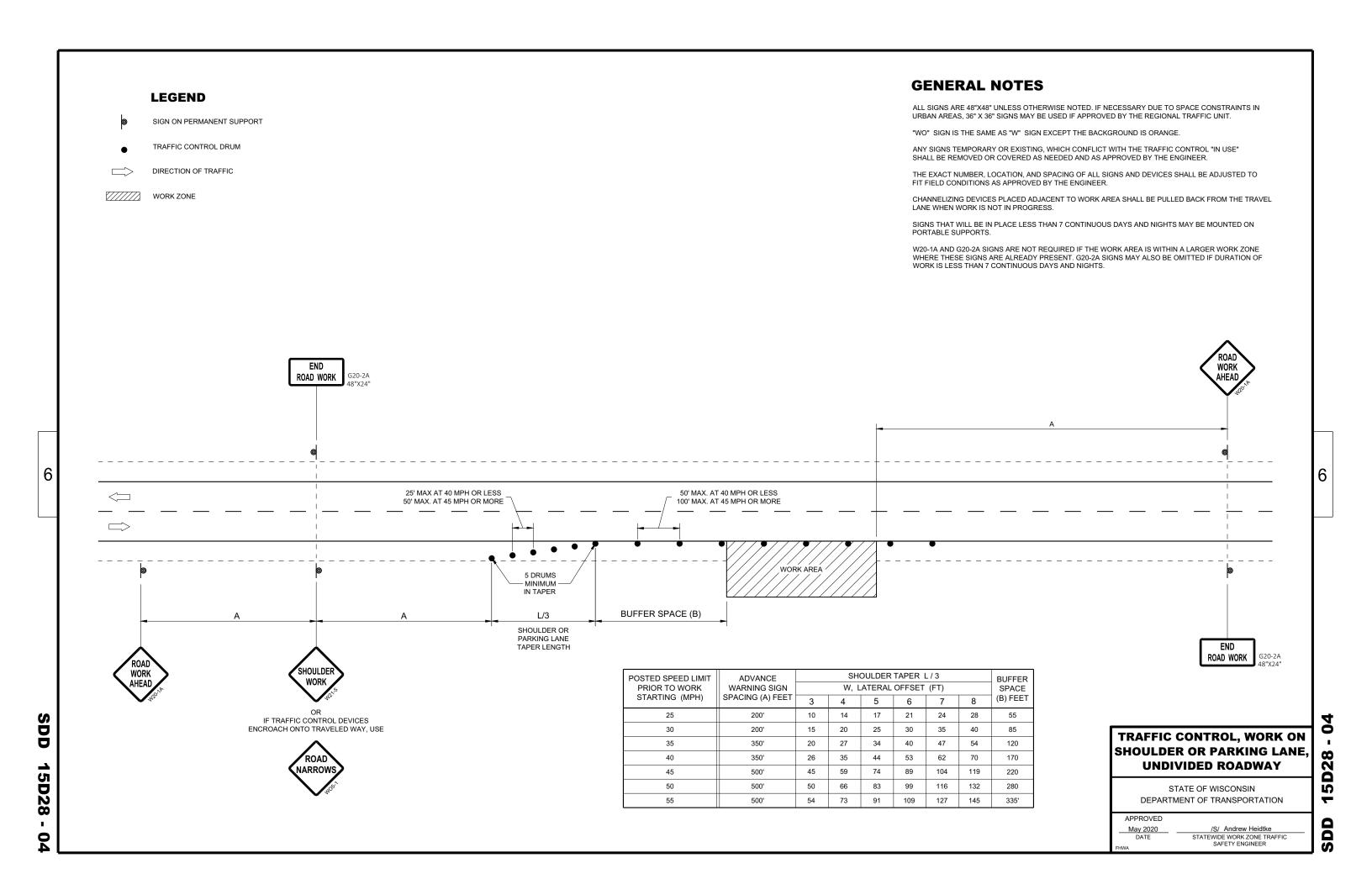
#### **DISTANCE TABLE**

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

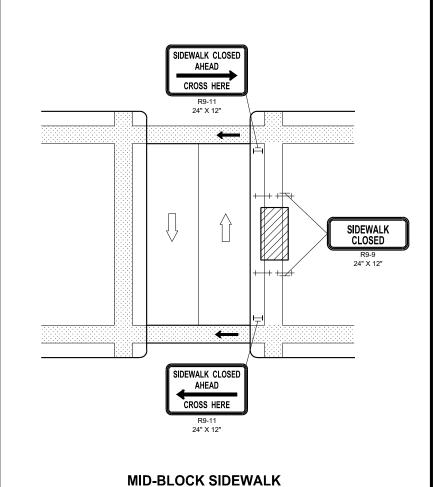
PAVEMNET MARKING & SIGNING (CLIMBING LANE & **PASSING LANE)** 

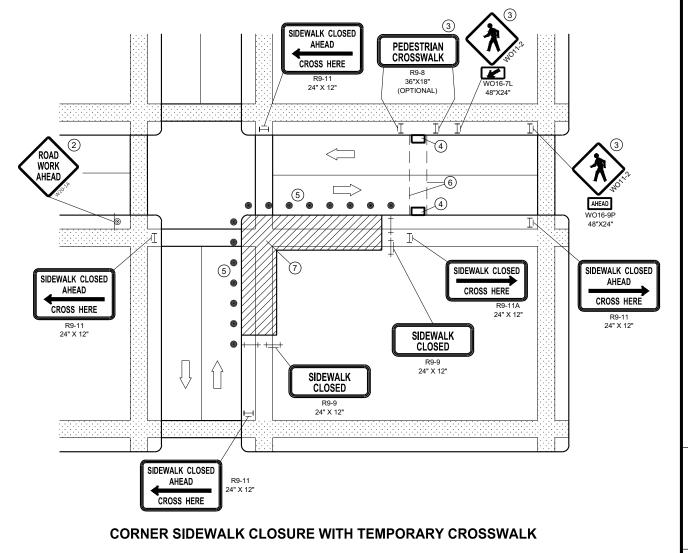
> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED November 2019 DATE /S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER Ŏ 3 Ŋ 



6a





#### **GENERAL NOTES**

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

**CLOSURE** 

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- 1 IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
- (2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK
- (4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- 6 TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

#### LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)

TYPE III BARRICADE WITHWITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)

UNDER PEDESTRIAN TRAFFIC

WORK AREA

PEDESTRIAN CHANNELIZATION DEVICE

> DIRECTION OF TRAFFIC

## TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30 - 06a

4" WIDE EDGE MARKING (6)

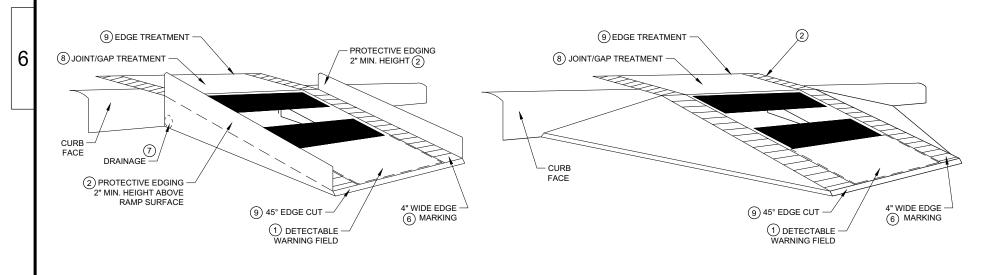
#### **TEMPORARY CURB RAMP PARALLEL TO CURB**

CROSS SLOPE 2% MAX. (4)

PROTECTIVE EDGING 2" MIN. HEIGHT

WITH SIDE APRON

ABOVE RAMP SURFACE (2)



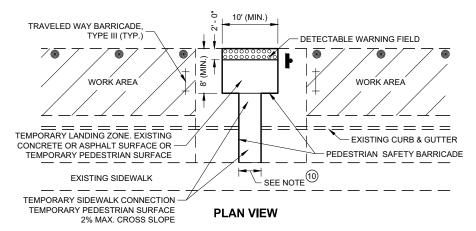
#### TEMPORARY CURB RAMP PERPENDICULAR TO CURB

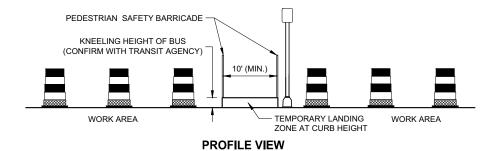
#### **GENERAL NOTES**

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- (1) CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "6".
- 2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%), PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- (3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- (5) CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- (6) THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
- 7) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (8) LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
- (9) CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
- (10) 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.





#### **TEMPORARY BUS STOP PAD**

#### LEGEND



## TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

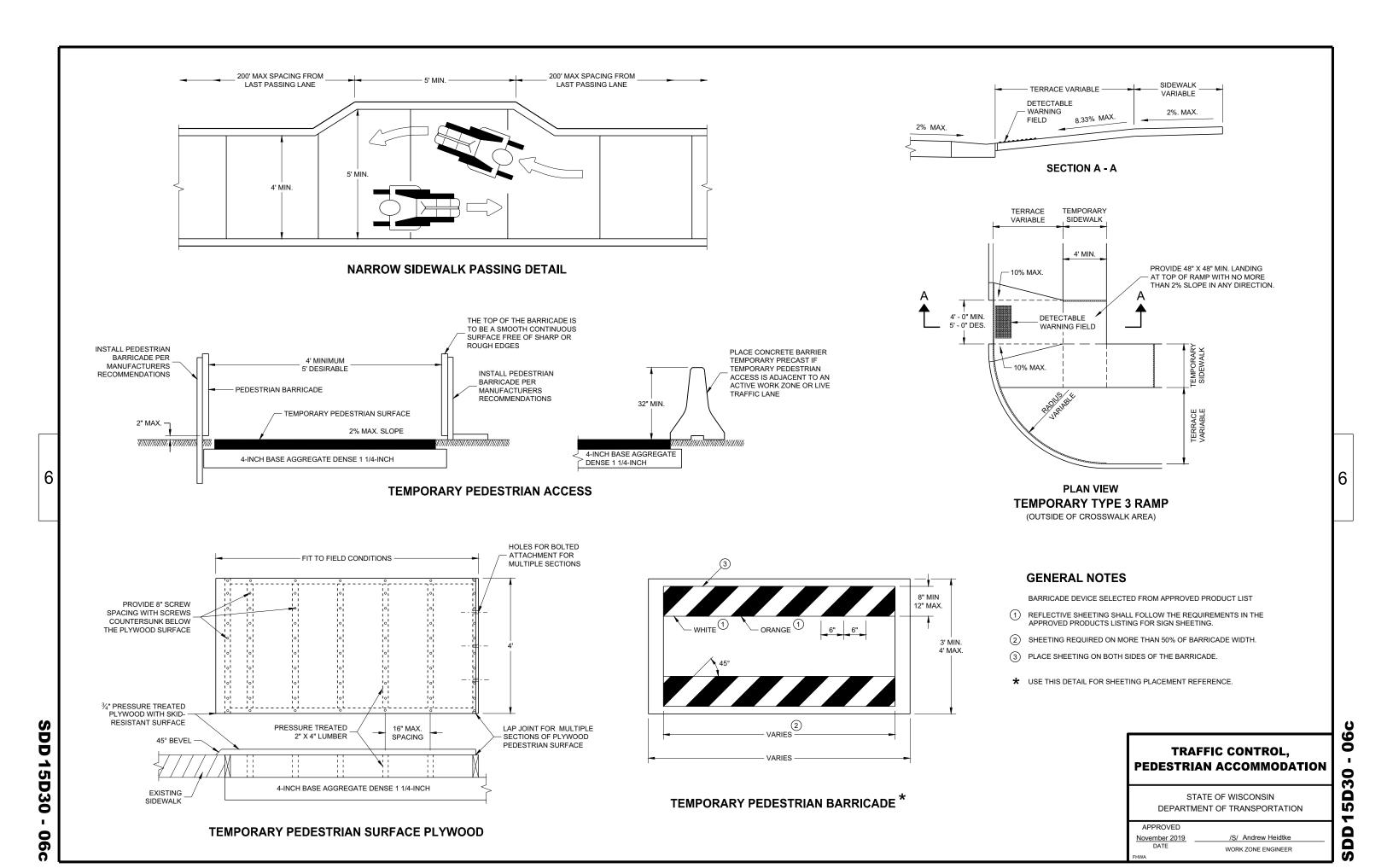
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

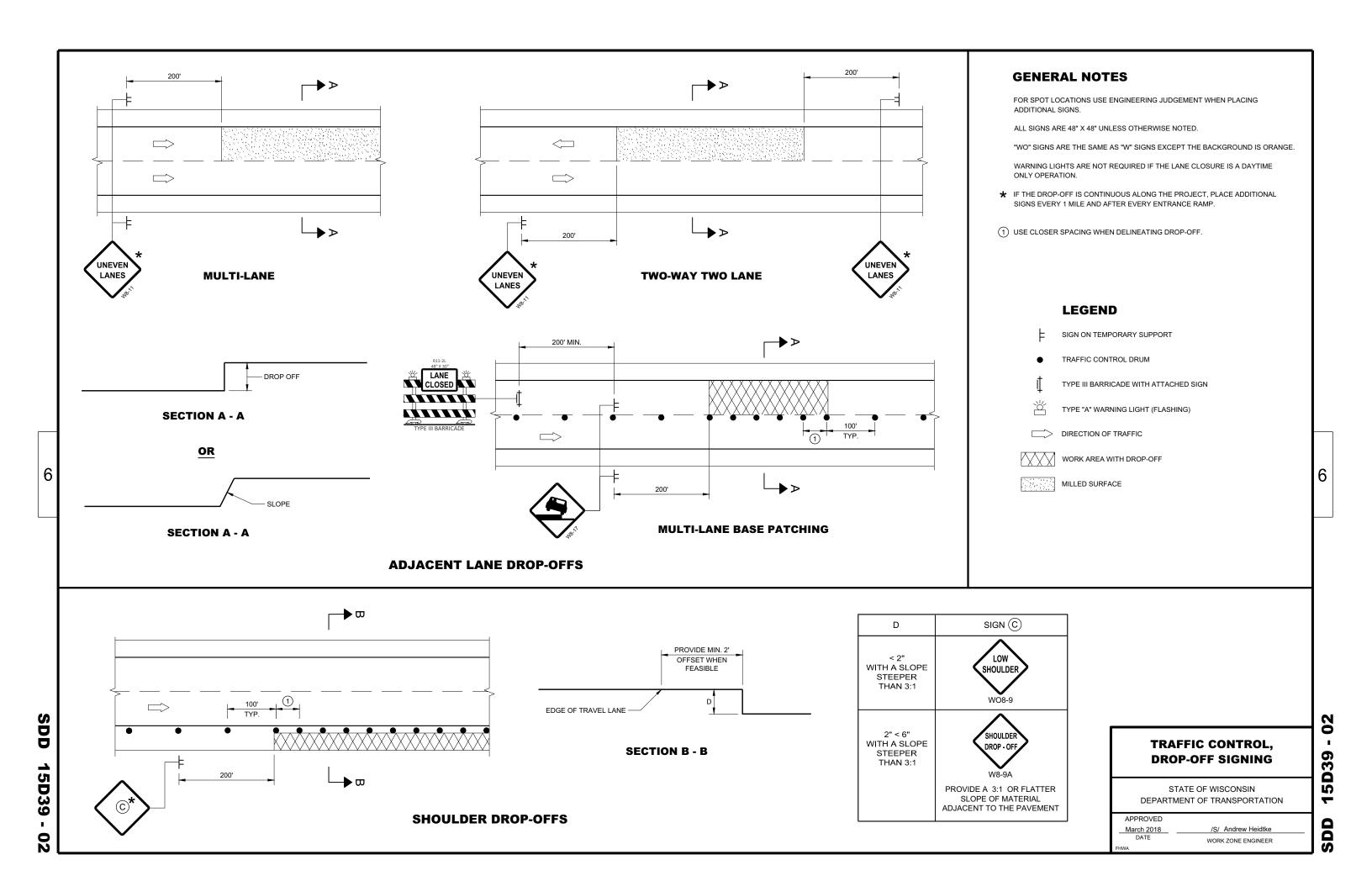
(5) CLEAR SPACE

(9) EDGE TREATMENT

WITH PROTECTIVE EDGE

DD 15D30 - 06





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.

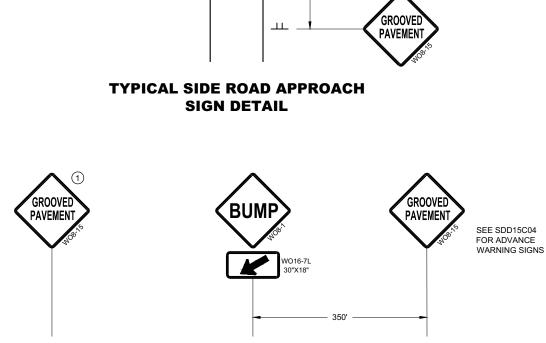
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

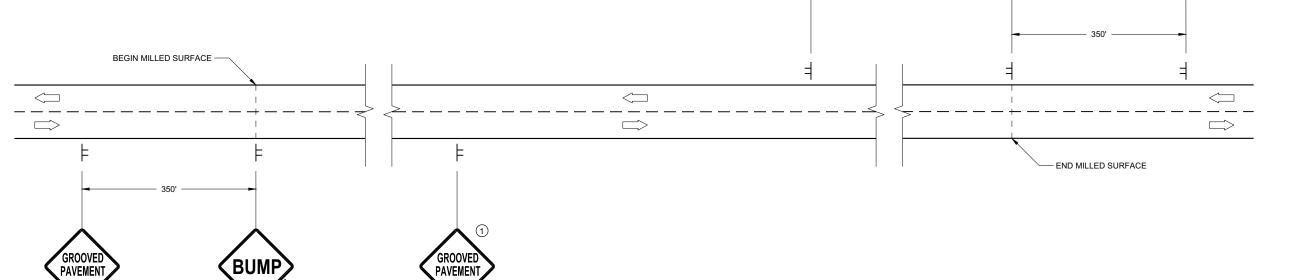
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED

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





SEE SDD15C04 FOR ADVANCE WARNING SIGNS

**DETAIL FOR SIGNING ON MILLED SURFACES** 

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED February 2020 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER 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	900'
55	1200'

#### **GENERAL NOTES**

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

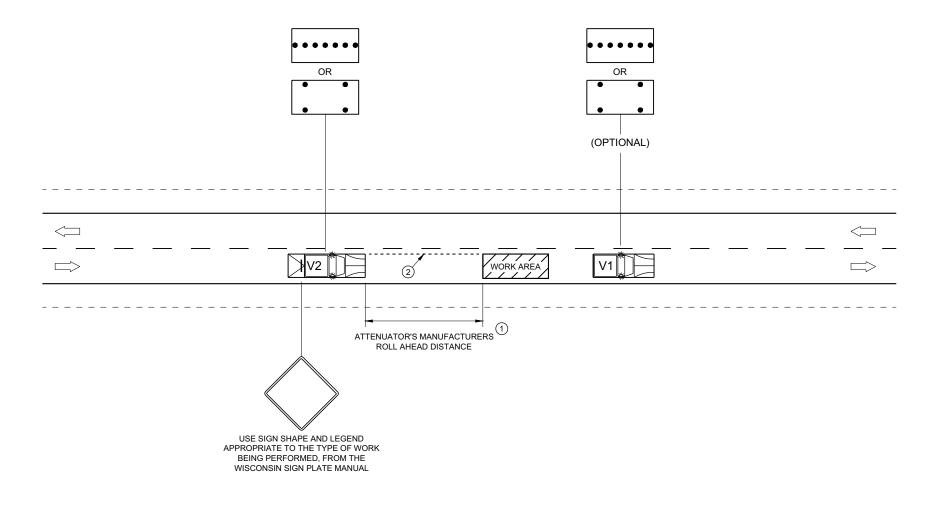
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION

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

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**

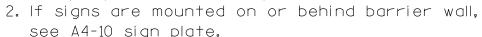
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021 DATE

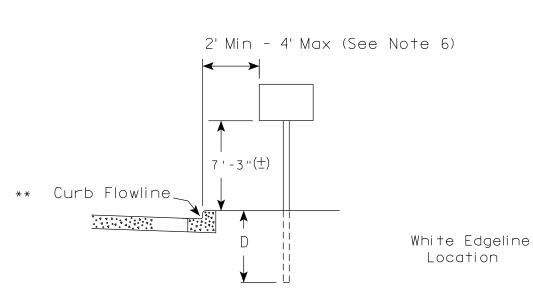
/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

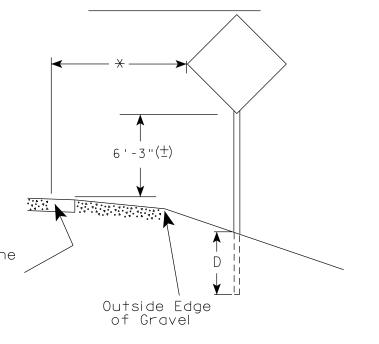
51 S



The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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'' ( $\frac{+}{-}$ ).

- 3. For expressways and freeways, mounting height is  $7'-3''(\pm)$  or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' \stackrel{(\pm)}{-}$ .
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (+) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' ( $\pm$ ) or as directd by the Engineer.





2' Min - 4' Max (See Note 6) 6'-3"(±) \*\* Curb Flowline D

5'-3"(士) White Edgeline  $D \parallel$ Location Outside Edge of Gravel

\*\* 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.

HWY:

\* 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.

POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
( Sq.Ft.)	(Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 5/13/2020 PLATE NO. \_\_A4-3.22

SHEET NO:

Ε

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.dgn COUNTY:

PLOT BY: mscj9h

PLOT NAME :

PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

PLOT DATE: 13-MAY 2020 1:04



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



### **ELEVATION VIEW**

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

#### 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'' (±) or 6'-3'' (±) 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.
- \*\* See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

## POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN DIAMON (TWO POSTS REQUIRED)									
	L	E								
***	Greater than 48" Less than 60"	12"								
	60" to 108"	L/5								

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:



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.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS -  $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS  $(4'' \times 6'')$ 

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 1/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ " STEEL 1-1/4" O.D. X  $\frac{3}{8}$ " I.D. X .080 NYLON

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, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

≠or State Traffic Engineer

SHEET NO:

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A48.DGN

PROJECT NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer

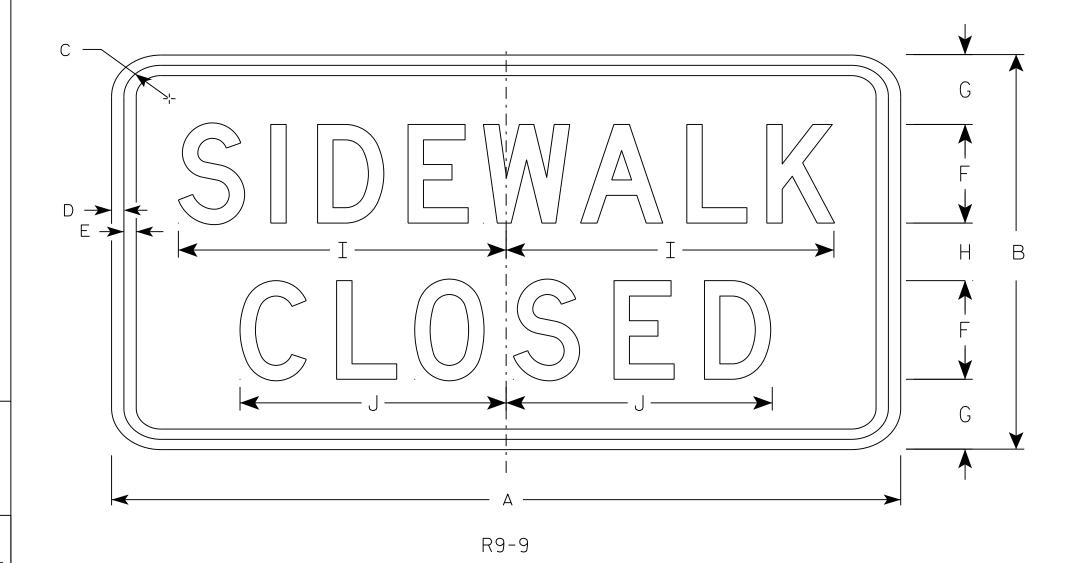


#### NOTES

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

Background - White 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.
- 5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.



SIZE A 2S 24 1 3/4 1/2 2 1/8 1 3/4 10 1/2 12 3 8 1/8 2.0 24 1 3/4 1/2 2 1/8 1 3/4 8 1/8 12 10 2.0 1 3/4 3 1/2 30 18 1/2 1/2 3 | 12 1/2 | 10 1/4 3.75

COUNTY:

STANDARD SIGN R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Marther R Ray

DATE <u>8/11/16</u>

SHEET NO: R9-9.6

Ε

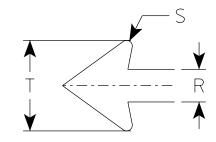
HWY:

PROJECT NO:

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

Background - White Message - Black

- 3. Message Series C except Size 1 is Series D
- 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
- 6. R9-11D (double arrow) R9-11L (left arrow) R9-11R (right arrow)



R9	<b>– 11</b>
$I \setminus J$	11

HWY:

SIZE	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	Т	U	٧	W	X	Υ	Z	Area sq. ft.
1 1																											
25	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 %	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 1/8	6 1/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

COUNTY:

STANDARD SIGN R9-11

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

DATE 3/30/2021 PLATE NO. R9-11.4

Ε

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\R911.dgn

PROJECT NO:

PLOT DATE: 30-MAR 2021 1:40

PLOT BY : dotc4c

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

 $D \rightarrow$ 



# Wisconsin Department of Transportation

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