Section No.

Section No.

Section No.

TOTAL SHEETS = 92

Computer Earthwork Data

PROJECT LOCATION

FIBER OPTIC

SANITARY SEWER

STORM SEWER

UTILITY PEDESTAL

TELEPHONE POLE

⋴

Ø

POWER POLE

TELEPHONE

Cross Sections

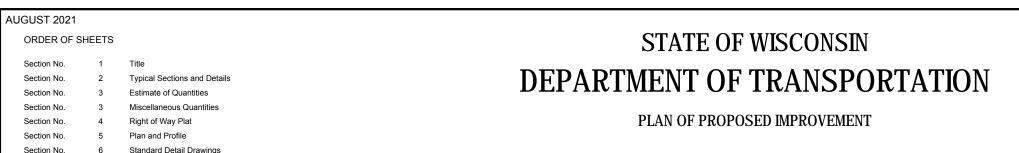
EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA



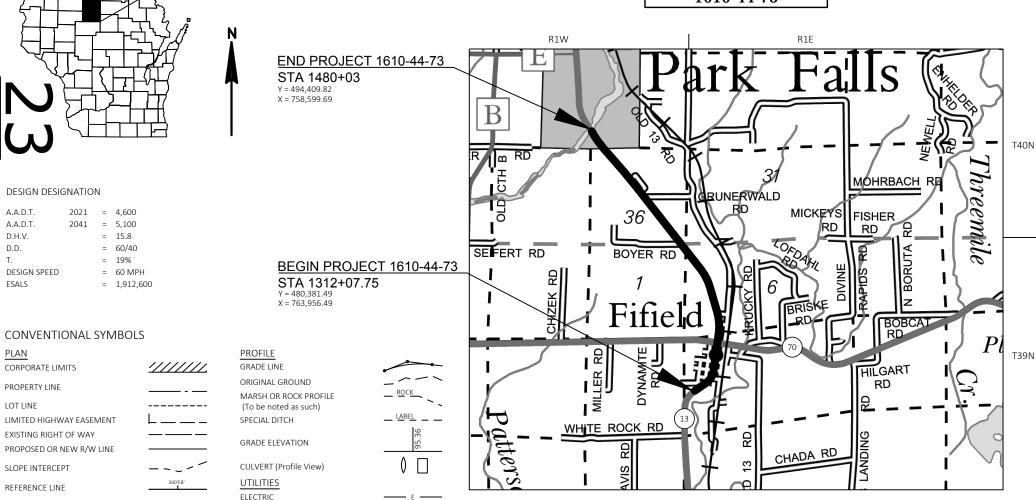
# PRENTICE - PARK FALLS

WALNUT ST TO N FK FLAMBEAU RVR BRIDGE

STH 13 PRICE COUNTY

STATE PROJECT NUMBER

1610-44-73



HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), PRICE COUNTY, NAD83 ( 2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT

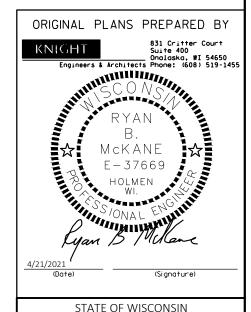
PROJECT

CONTRACT

1610-44-73

WISC 2021444

1



## DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	CBS SQUARED
Designer	KNIGHT E/A
Project Manager	STACY HAGENBUCHER
Regional Examiner	CHERYL SIMON
Regional Supervisor	ROBIN STAFFORD

PPROVED FOR THE DEPARTMENT

ATE: 4/27/21

Signature

ATE: 4/27/21

FILE NAME : W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\010101\_TI.DWG

TOTAL NET LENGTH OF CENTERLINE =

SCALE I

#### **GENERAL NOTES**

- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- WHEN THE QUANTITIY OF BASE AGGREGATE IS MEASURED FOR PAVEMENT BY THE TON OR CUBIC YARD. THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.
- RIGHT OF WAY DEPICTED ON THE PLANS ARE BASED OFF OF PREVIOUS AS BUILTS.
- PAVING IS TO MATCH EXISTING SUPERELEVATIONS. UNLESS OTHERWISE NOTED.

#### RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP												
А		В С								D			
	SLOPE RANGE (PERCENT)		SLOPE	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38	
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56	
MEDIAN STRIP- TURF	.19	.20 .26	.24	.19 .25	.22	.26 .33	.20 .26	.23	.30 .37	.20 .27	.25 .32	.30 .40	
SIDE SLOPE: TURF			.25 .32			.27 .34			.28			.30	
PAVEMENT:			I			I	1						
ASPHALT						.7095							
CONCRETE						.8095							
BRICK						.7080							
DRIVES, WALKS	DRIVES, WALKS .7585												
ROOFS						.7595							
GRAVEL ROADS, SHO	ULDERS					.4060							

TOTAL PROJECT AREA = 78.55 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.51 ACRES

SEWER

TED FLEMING

P.O. BOX 61

FIFIELD, WI 54524

COMMUNICATION LINE

PHILLIPS, WI 54555

KUHNERTB@PCTCNET.NET

(715) 762-5414

BRAD KUHNERT

P.O. BOX 108

(715) 339-2151

FIFIELD SANITARY DISTRICT

TEDFLEMING@CENTURYTEL.NET

PRICE COUNTY TELEPHONE COMPANY

### **UTILITY CONTACTS**

**ASTREA** COMMUNICATION LINE ANDREW HEIGL 105 KENT STP.O. BOX 190 IRON MOUNTAIN, MI 49801 (906) 221-7536 ASTREACONSTRUCTION@ASTREACONNECT.COM

FIFIELD SANITARY DISTRICT WATER

TED FLEMING P.O. BOX 61 FIFIELD, WI 54524 (715) 762-5414 TEDFLEMING@CENTURYTEL.NET

PRICE ELECTRIC COOPERATIVE INC ELECTRICTY BEN ORYSEN P.O. BOX 110 PHILLIPS, WI 54555 (715) 339-2155 BORYSEN@PRICE-ELECTRIC.COM

PROJECT NO: 1610-44-73

FILE NAME : \_\_\_

CENTURYLINK COMMUNICATION LINE BEN BAKER

425 ELLINGSON AVE. HAWKINS, WI 54530 (715) 585-6303

Ben.Baker@centurylink.com

FLAMBEAU HYDRO, LLC

ELECTRICITY - TRANSMISSION

CONNIE NOWACK 1001 STEPHENSON NORWAY, MI 49870 (855) 994-9376

CNOWACK@KISERHYDRO.COM

XCEL ENERGY **ELECTRICTY** KATHY SCHANTNER

1414 W HAMILTON AVEP.O. BOX 8 EAU CLAIRE, WI 54702-0008

(715) 737-1102

kathleen.r.schantner@xcelenergy.com

HWY: STH 13

CHARTER COMMUNICATIONS COMMUNICATION LINE

DAVE HOFF 821 LINCOLN ST

RHINELANDER, WI 54501

(715) 420-0301 DAVE.HOFF@CHARTER.COM

NORTHERN NATURAL GAS COMPANY

GAS/PETROLEUM EARL CROTTEAU

1995 NORTHERN NATURAL GAS RD

CARLTON, MN 55718 (402) 530-3462

EARL.CROTTEAU@NNGCO.COM

XCEL ENERGY GAS/PETROLEUM KATHY SCHANTNER

1414 W HAMILTON AVEP.O. BOX 8 EAU CLAIRE, WI 54702-0008

COUNTY: PRICE

(715) 737-1102

kathleen.r.schantner@xcelenergy.com

#### AREA CONTACTS

WISDNR: PRICE COUNTY WENDY HENNIGES 107 SUTLIFF AVENUE RHINELANDER, WI 54501 (715) 365-8916 WENDY.HENNIGES@WISCONSIN.GOV

Dial or (800) 242-8511

www.DiggersHotline.com

GEN NOTES, STAND ABBR, & CONTACTS

ORG DATE : \_\_\_\_\_

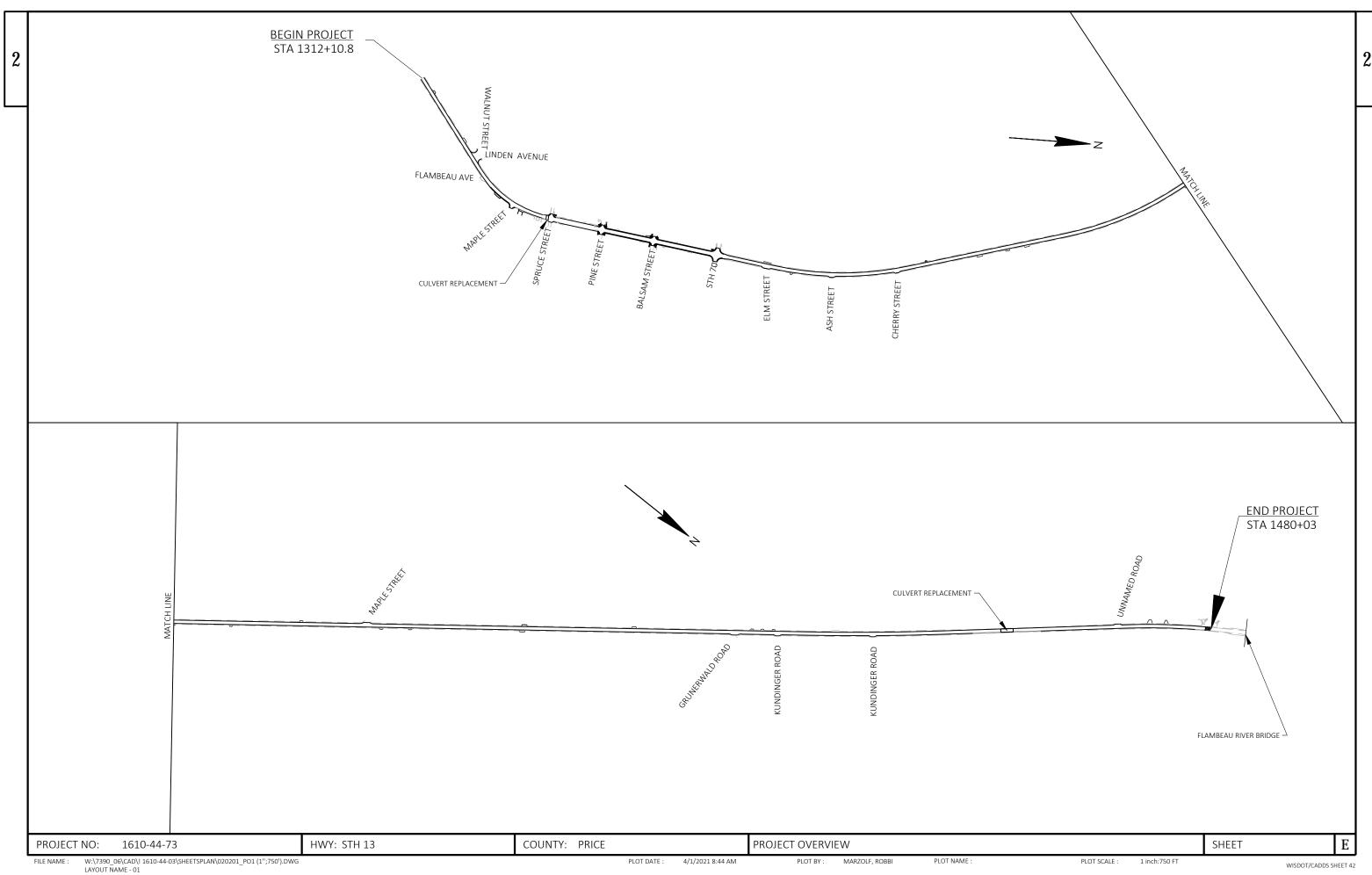
SHEET

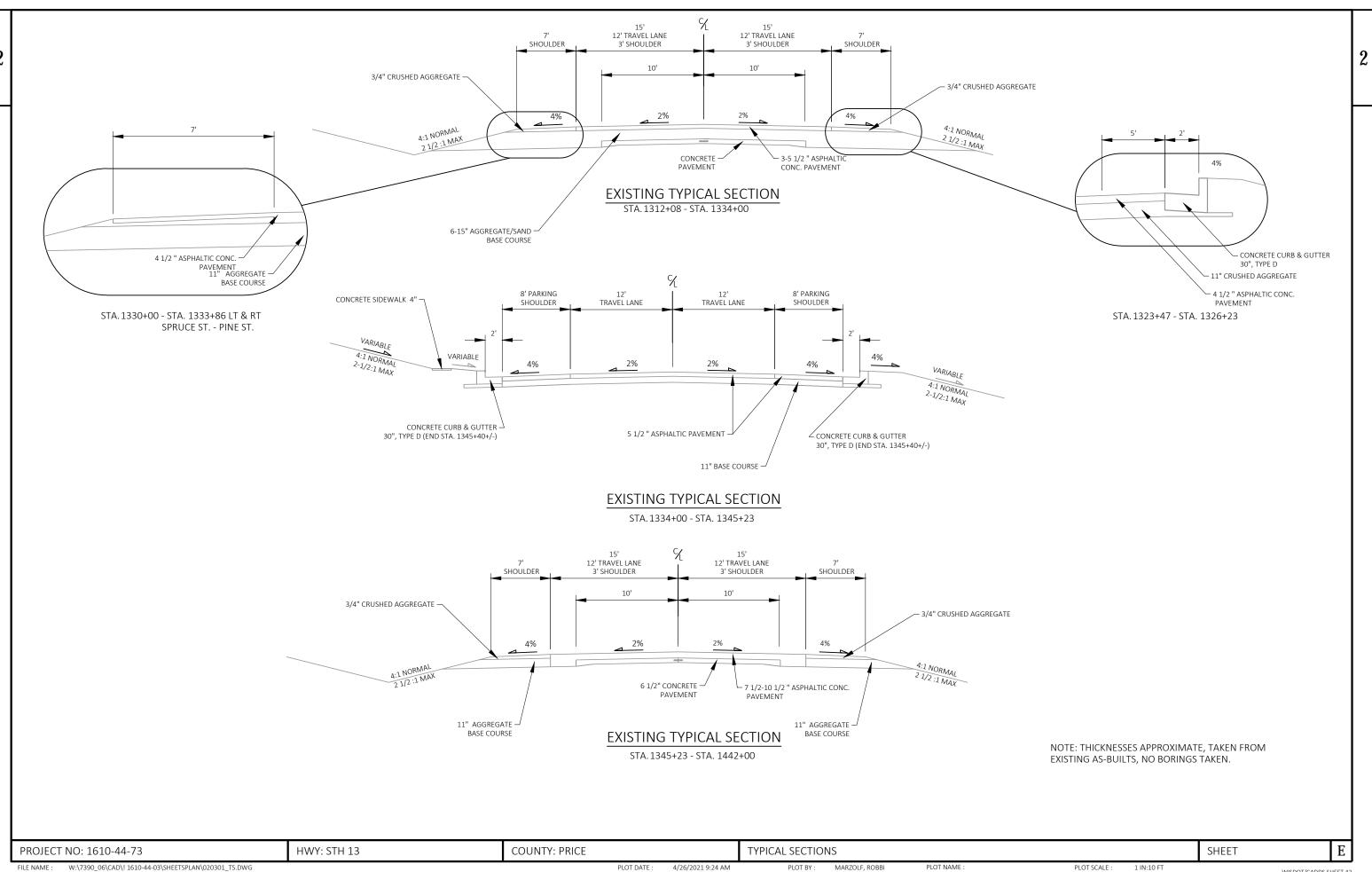
ORIGINATOR : DIST \_ PLOT SCALE: 1:1

PLOT DATE : \_\_\_\_\_

PLOT BY : \_\_\_\_\_

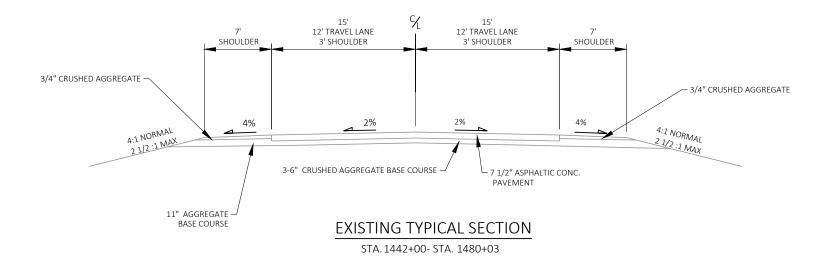
PLOT NAME : \_\_\_\_\_



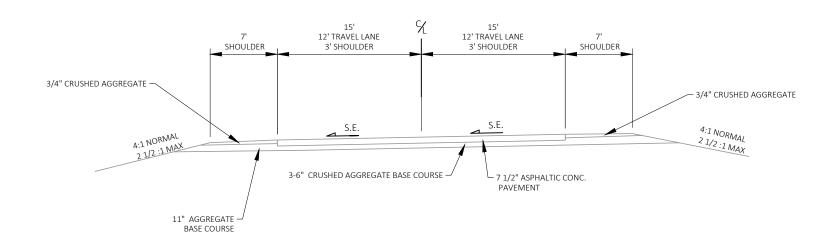


WISDOT/CADDS SHEET 42





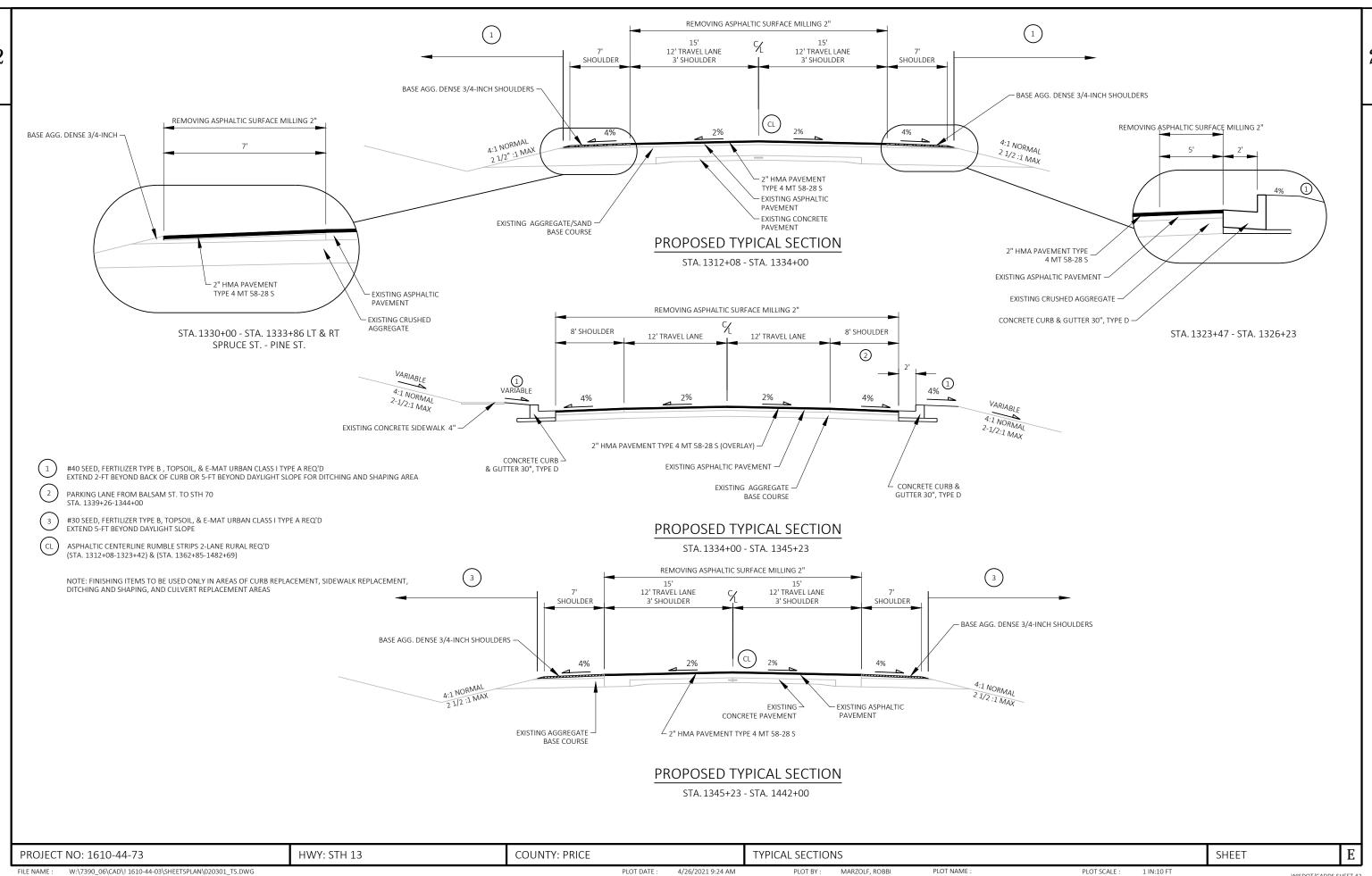
NOTE: THICKNESSES APPROXIMATE, TAKEN FROM EXISTING AS-BUILTS, NO BORINGS TAKEN.



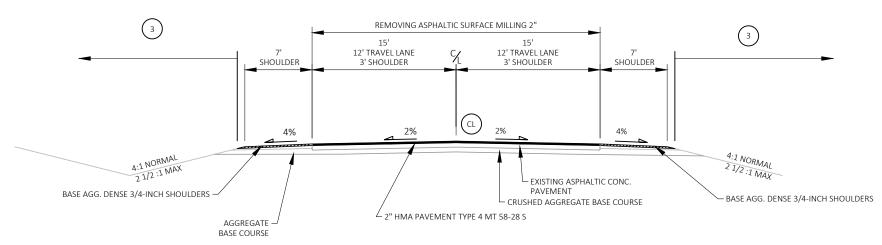
#### **EXISTING TYPICAL SECTION**

SUPERELEVATED SECTIONS

PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE E TYPICAL SECTIONS SHEET W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\020301\_TS.DWG PLOT DATE : 4/26/2021 9:24 AM PLOT BY : MARZOLF, ROBBI PLOT NAME : PLOT SCALE : 1 IN:10 FT



WISDOT/CADDS SHEET 42



PROPOSED TYPICAL SECTION

STA. 1442+00 - 1480+03

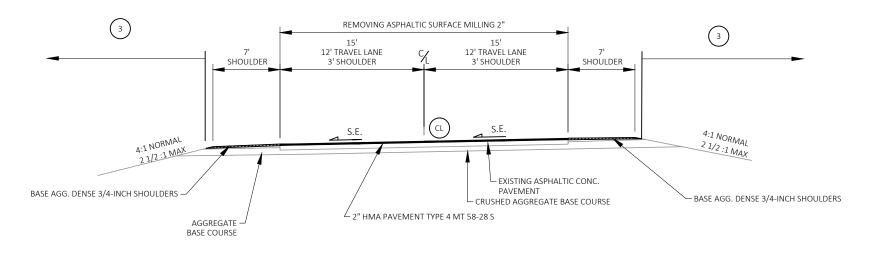
#40 SEED, FERTILIZER TYPE B , TOPSOIL, & E-MAT URBAN CLASS I TYPE A REQ'D EXTEND 2-FT BEYOND BACK OF CURB OR 5-FT BEYOND DAYLIGHT SLOPE FOR DITCHING AND SHAPING AREA

PARKING LANE FROM BALSAM ST. TO STH 70 STA. 1339+26-1344+00

3) #30 SEED, FERTILIZER TYPE B, TOPSOIL, & E-MAT URBAN CLASS I TYPE A REQ'D EXTEND 5-FT BEYOND DAYLIGHT SLOPE

ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL REQ'D (STA. 1312+08-1323+42) & (STA. 1362+85-1482+69)

NOTE: FINISHING ITEMS TO BE USED ONLY IN AREAS OF CURB REPLACEMENT, SIDEWALK REPLACEMENT, DITCHING AND SHAPING, AND CULVERT REPLACEMENT AREAS



## PROPOSED TYPICAL SECTION

SUPERELEVATED SECTIONS

WEDGING QUANTITY ADDED FOR THE FOLLOWING CURVE FOR SUPERELEVATION CORRECTION:

CURVE 5: STA. 1472+69.63-1481+06.12

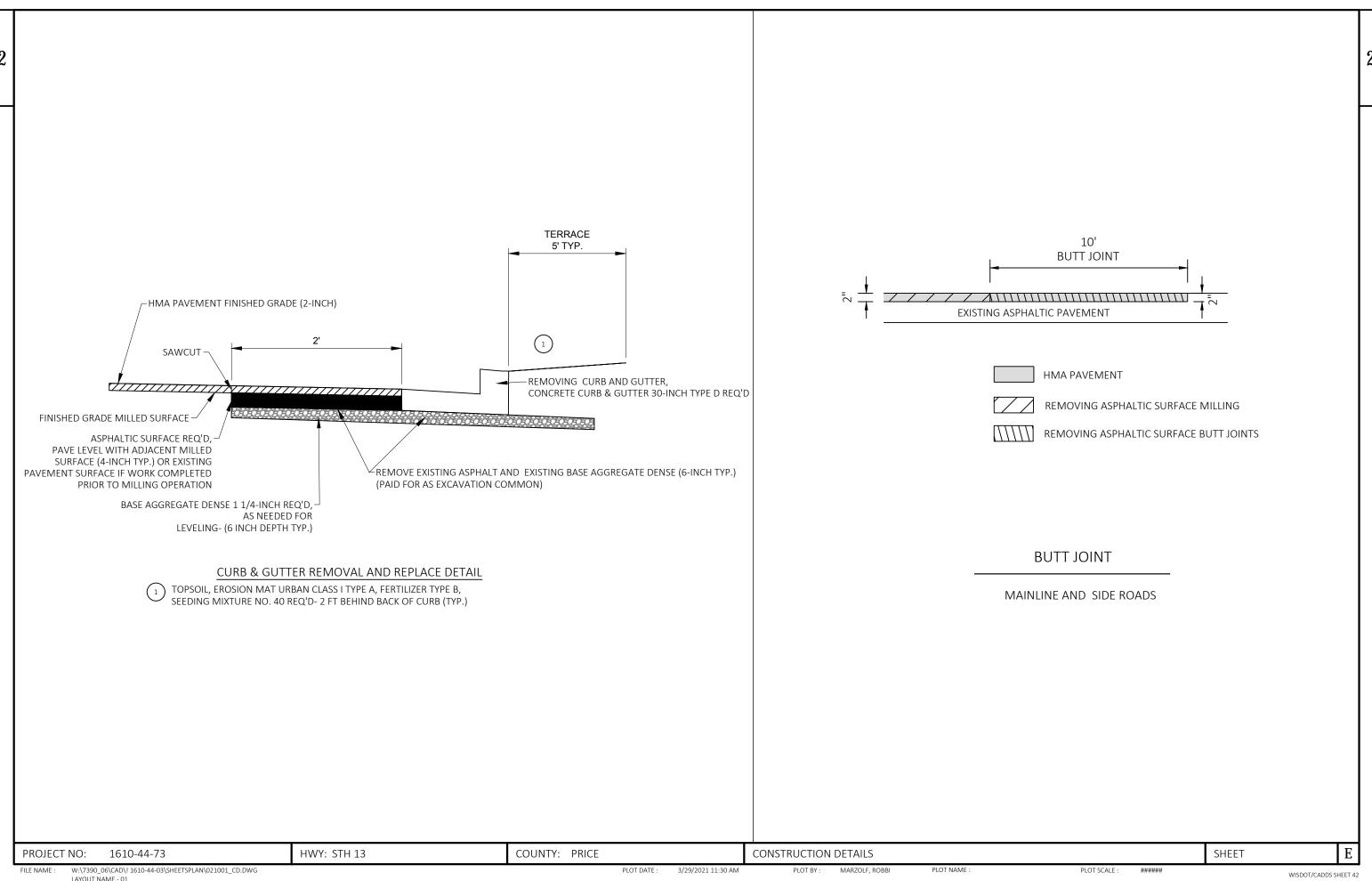
PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE TYPICAL SECTIONS

FILE NAME: W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\020301\_TS.DWG

PLOT DATE: 4/26/2021 9:24 AM PLOT BY: MARZOLF, ROBBI PLOT NAME: 1 IN:10 FT

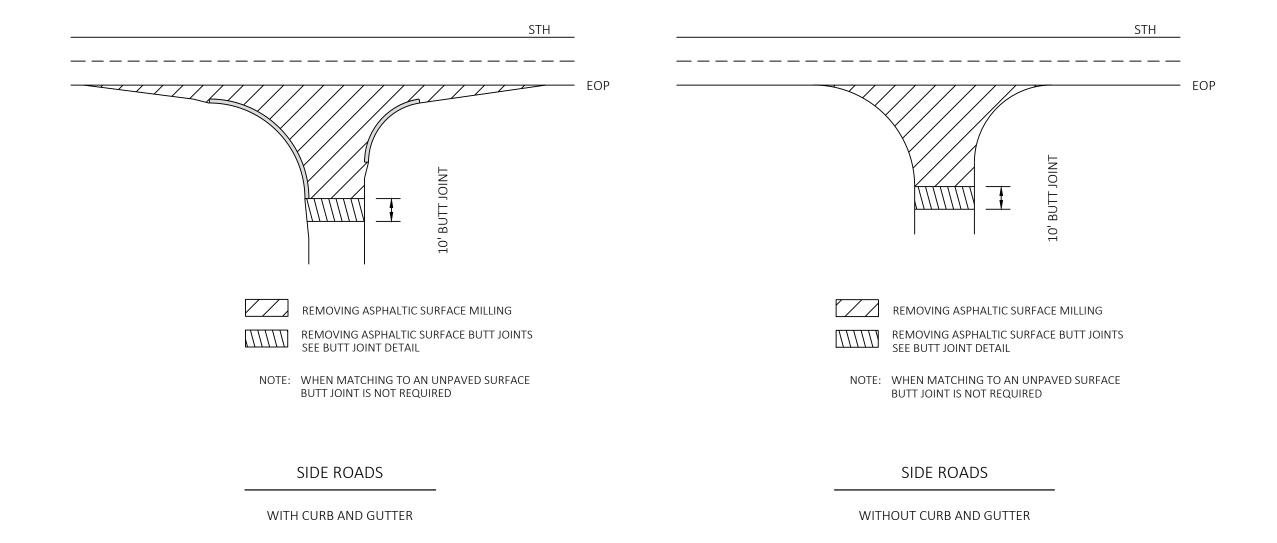
WISDOT/CADDS SHEET 42

WISDOT/CADDS SHEET 42



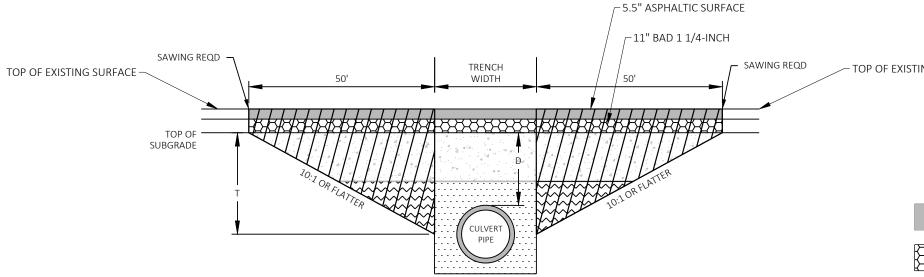
2

2



PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE CONSTRUCTION DETAILS SHEET **E** 

FILE NAME: W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\021001\_CD.DWG PLOT DATE: 3/29/2021 11:30 AM PLOT BY: MARZOLF, ROBBI PLOT NAME: PLOT SCALE: ##### WISDOT/CADDS SHEET 42 AYOUT NAME - 02



PERFORM CULVERT PIPE INSTALLATION BEFORE MILLING AND PAVING.

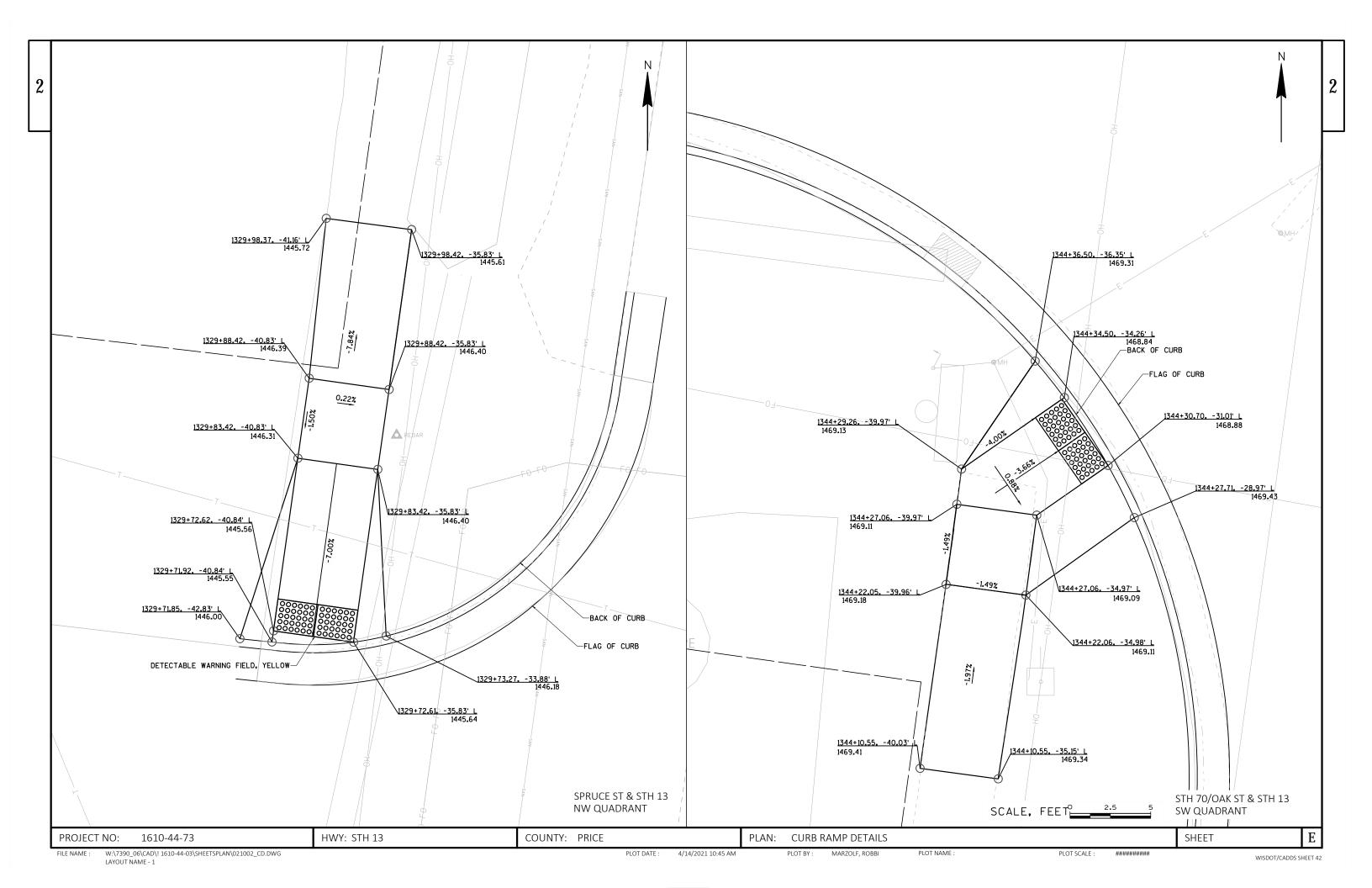
#### CULVERT PIPE TRANSITION

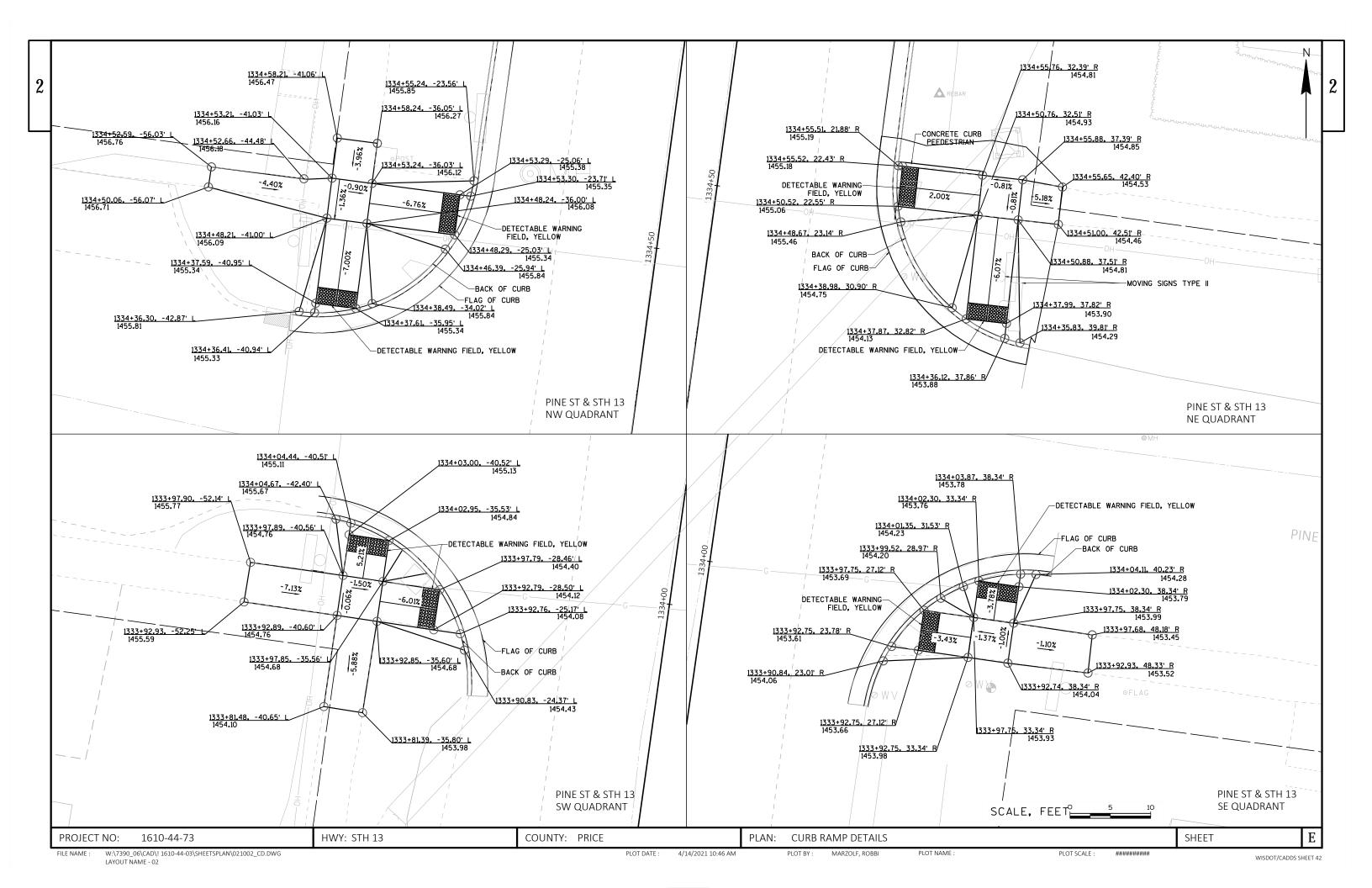
ROUTE	STA.	DEPTH	PIPE DIA. (IN)	REMARKS
STH 13	1329+24	2.5 FT	24	50013003628
STH 13	1461+90	2.6 FT	30	50013003635

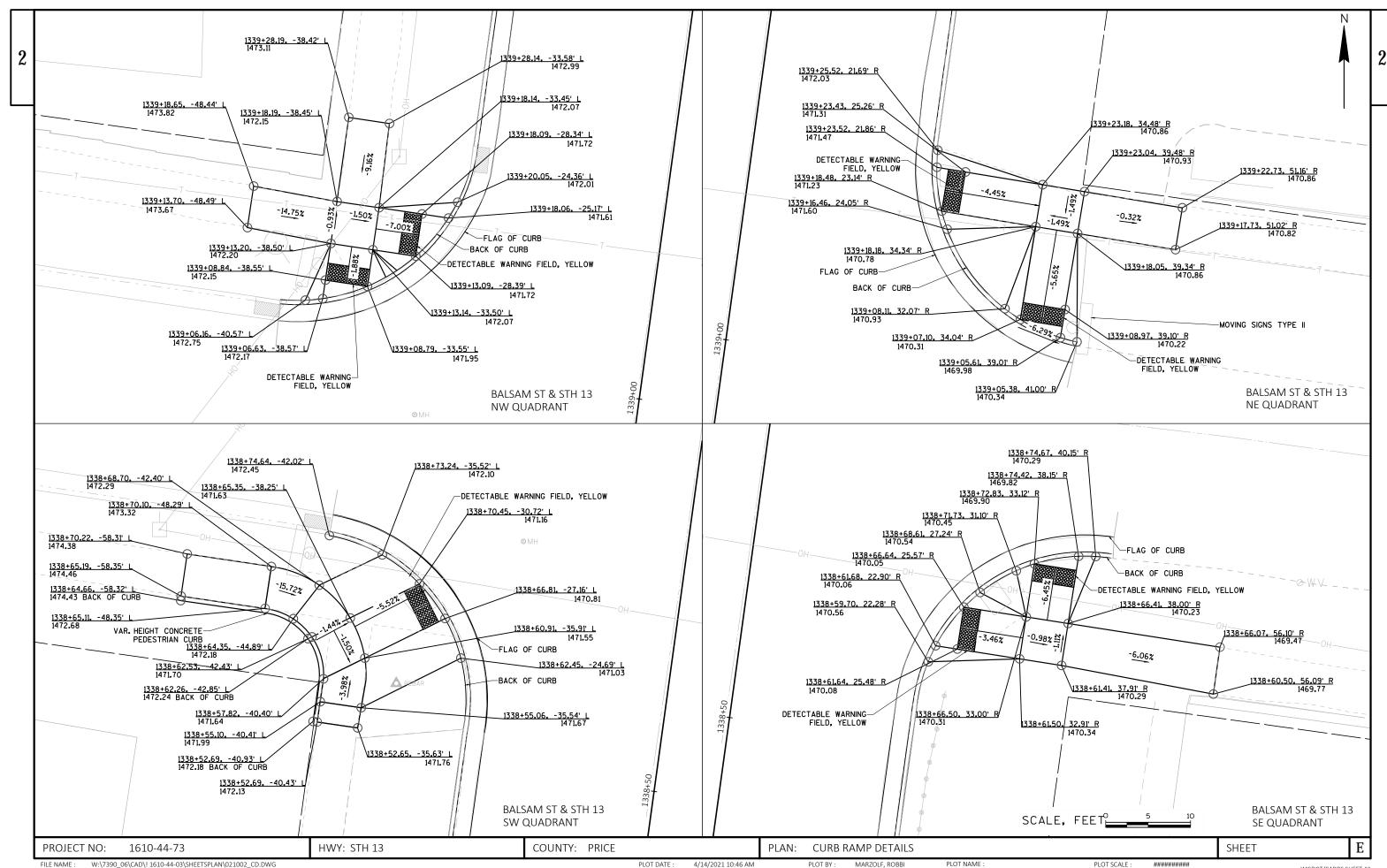
TOP OF EXISTING SURFACE PROPOSED SURFACE PROPOSED BASE TRENCH BACKFILL DEPTH D < 6 FT TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT. DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE. TRENCH OR FOUNDATION BACKFILL **CULVERT INSTALLATION DETAIL** FOUNDATION BACKFILL DEPTH D < 6 FT NOTES TRANSITION CUT TRANSITION CUT IS PAID AS EXCAVATION COMMON. TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT. BACKFILL THE TRANSITION CUT AREAS WITH TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.

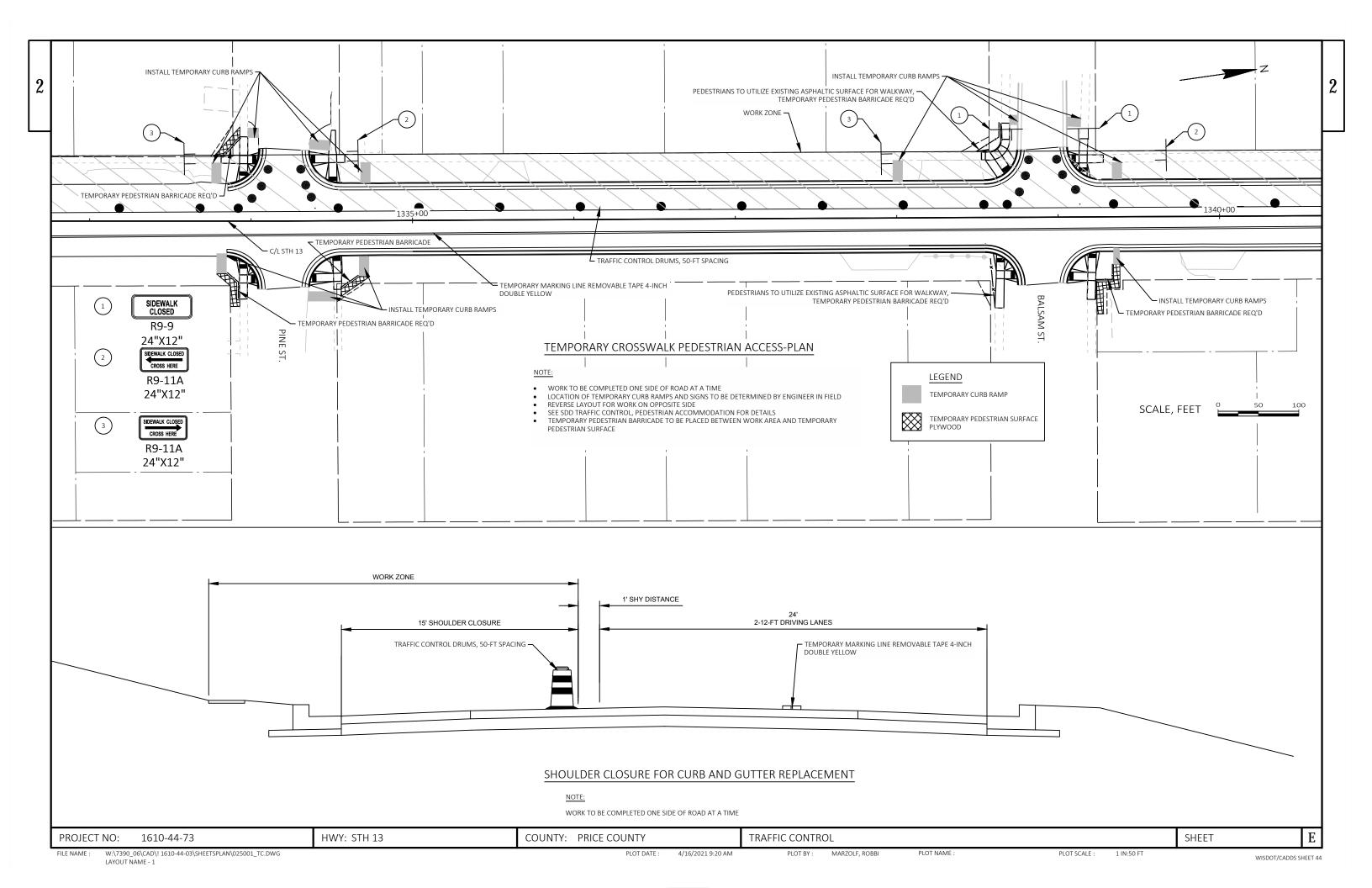
CONSTRUCTION DETAILS PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE SHEET

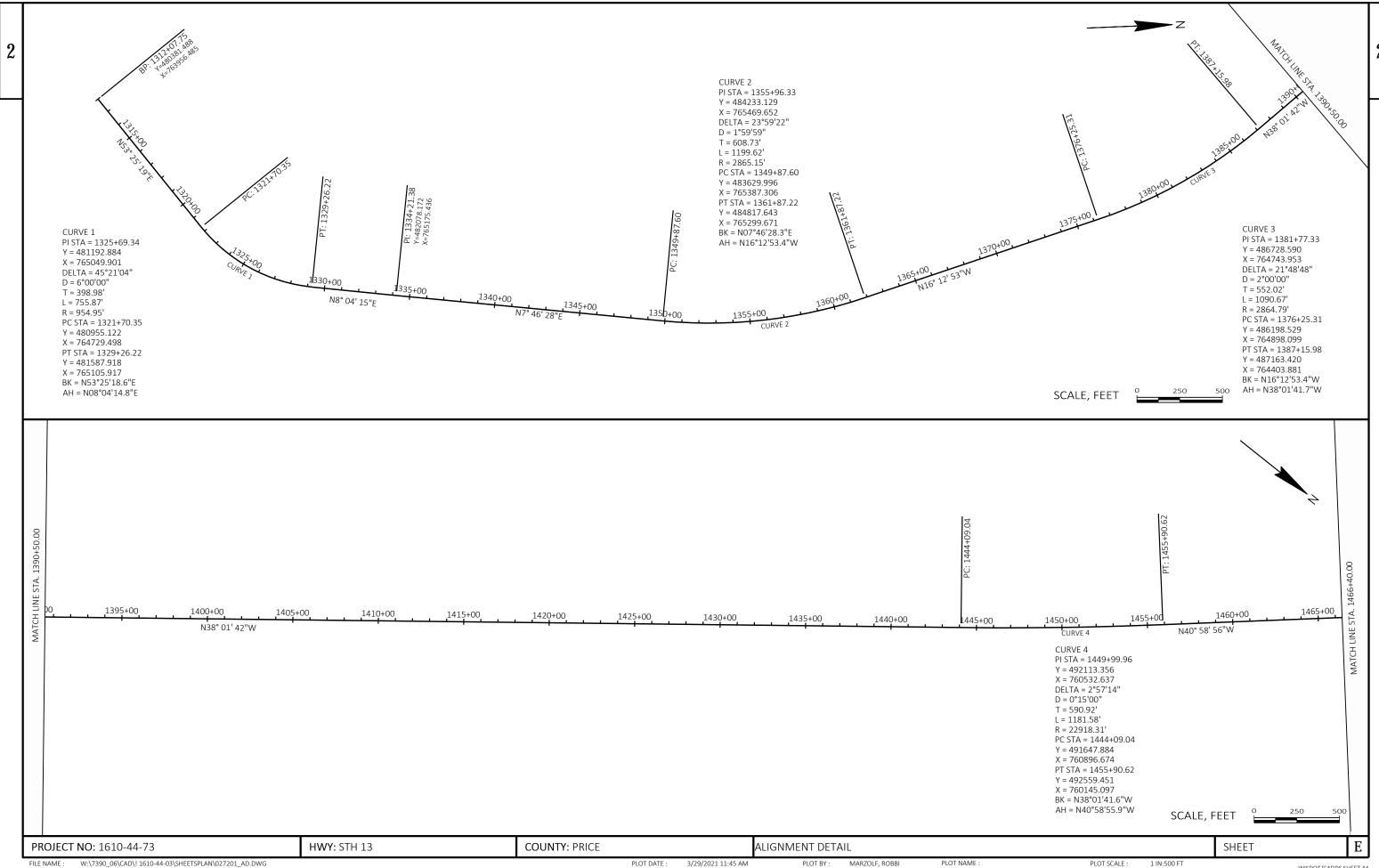
W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\021001\_CD.DWG 3/29/2021 11:30 AM PLOT BY : MARZOLF, ROBBI PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 42



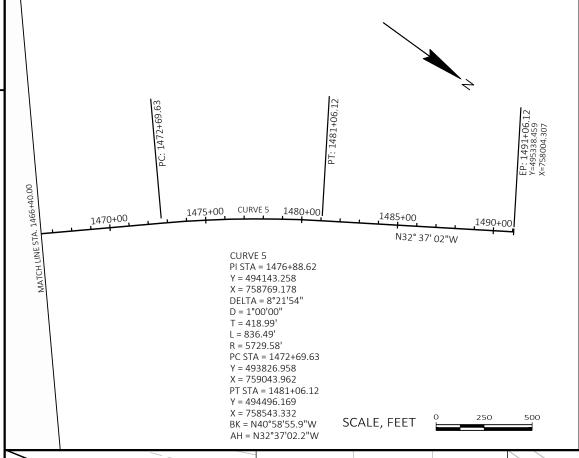












	BENCHMARK/CONTROL POINT TABLE											
BM/CP NO.	NORTHING	EASTING	ELEVATION	STATION	OFFSET	LOCATION	DESCRIPTION					
вм2	481636.50	765163.17	1444.35	1329+82	49.9	RT	Bolt with no drain tag on Hydrant, NE quadrant of Spruce St/STH 13. Survey Point #28266					
вм3	482041.36	765207.28	1455.31	1333+89	36.7	RT	Bolt with no drain tag on Hydrant, SE quadrant of Pine St/STH 13. Survey Point #28125					
вм5	483136.45	765364.15	1471.31	1344+95	43.8	RT	Bolt with no drain tag on Hydrant, NE quadrant of STH 70/STH 13. Survey Point #28267					
вм6	494649.22	758418.23	1494.68	1483+02	22.9	LT	SW railing bolt, SW parapet of River Bridge. Survey Point #28268					
вм7	494325.25	758720.15	1494.59	1478+65	51.8	RT	Set RR spike in Guy Pole East side of STH 13, South of River. Survey Point #28269					
вм8	493169.15	759744.31	1502.70	1463+14	97.3	RT	Set RR spike in 10" Popple Tree. Survey Point #27928					
вм9	492946.34	759727.88	1502.75	1461+56	61.2	LT	Set RR spike in 14" Tamarack Tree. Survey Point #27927					

			6					
	\$PRUCE	M 0 M	NINE STATE OF THE		BENCHMARK/CONTROL POINT	ΓABLE		
Ti.	T. T. 3.	23'	BM/CP NO.	NORTHING EASTING	ELEVATION STATION	OFFSET	LOCATION	DESCRIPTION
REBAR 75'	9	REBAR TO	CP1	481226.50 765010.90	1447.36 1325+57	29.3	RT	3/4-INCH REBAR
W	15'		CP2	481651.70 765079.60	1445.89 1329+86	35.0	LT	3/4-INCH REBAR
Dr. Cr.	OH OH	09	CP3	482117.90 765206.80	1455.72 1334+65	25.8	RT	3/4-INCH REBAR
	FO ZE PINES		CP4	482515.50 765203.00	1471.72 1338+58	31.8	LT	3/4-INCH REBAR
CONTROL POINT 1	CONTROL POINT 2	CONTROL POINT 3	BENCHMARK 3	483073.20 765353.60	1468.99 1344+31	41.9	RT	3/4-INCH REBAR
BALS			СР6	494617.30 758435.60	1491.917 1482+66	25.4	LT	3/4-INCH REBAR
AM ST.	1345+	CE ST.	CP7	493981.10 758885.20	1500.78 1474+89	23.1	LT	3/4-INCH REBAR
		W	1345+00 CP8	492999.90 759795.10	1505.26 1461+53	24.6	RT	3/4-INCH REBAR
	M	85	СР9	490225.50 762039.40	1499.502 1425+85	23.9	RT	3/4-INCH REBAR
37'	60'	49'	CP10	489829.20 762291.80	1505.534 1421+17	21.4	LT	3/4-INCH REBAR
N N N N N N N N N N N N N N N N N N N	AL REBAM		STH 70 CP11	487776.20 763956.00	1482.167 1394+75	24.6	RT	3/4-INCH REBAR
N N N N N N N N N N N N N N N N N N N	STH 70	SI PROCE	20° CP12	484556.20 765389.30	1479.579 1359+13	26.2	RT	3/4-INCH REBAR
CONTROL POINT 4	CONTROL POINT 5 X	BENCHMARK 2	BENCHMARK 5					
PROJECT NO: 1610-44-73	HWY: STH 13	COUNTY: PRICE	ALIGNMENT DETAIL			SHE	EET	E

FILE NAME : W:\7390\_06\CAD\! 1610-44-03\SHEETSPLAN\027201\_AD.DWG LAYOUT NAME - Sheet - (2)

PLOT DATE : 3/29/2021 11:45 AM

PLOT BY: MARZOLF, ROBBI

PLOT NAME :

PLOT SCALE: 1 IN:500 FT

Page 1

					1610-44-73
Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000
0004	204.0100	Removing Concrete Pavement	SY	98.000	98.000
0006	204.0110	Removing Asphaltic Surface	SY	35.000	35.000
0008	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,538.000	1,538.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	58,025.000	58,025.000
0012	204.0150	Removing Curb & Gutter	LF	2,610.000	2,610.000
0014	204.0155	Removing Concrete Sidewalk	SY	166.000	166.000
0016	204.9060.S	-	EACH	1.000	1.000
0018	205.0100	Excavation Common	CY	1,466.000	1,466.000
	208.1500.S	Temporary Lane Shift During Culvert Work 02. Lane	EACH	2.000	
0020		Shift	EACH	2.000	2.000
0022	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 1610-44-73	LS	1.000	1.000
0024	213.0100	Finishing Roadway (project) 01. 1610-44-73	EACH	1.000	1.000
0026	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,784.000	2,784.000
0028	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	720.000	720.000
0030	455.0605	Tack Coat	GAL	4,171.000	4,171.000
0032	460.2000	Incentive Density HMA Pavement	DOL	4,280.000	4,280.000
0034	460.6224	HMA Pavement 4 MT 58-28 S	TON	6,682.000	6,682.000
0036	465.0105	Asphaltic Surface	TON	420.000	420.000
0038	465.0110	Asphaltic Surface Patching	TON	104.000	104.000
0040	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	9,808.000	9,808.000
0042	520.8700	Cleaning Culvert Pipes	EACH	2.000	2.000
0044	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	68.000	68.000
0044	522.0430	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	90.000	90.000
0048	522.0430	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	1.000	1.000
0040	JZZ. 1UZ4	24-Inch	LACIT	1.000	1.000
0050	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	3.000	3.000
0052	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	2.000	2.000
0054	524.0630	Apron Endwalls for Culvert Pipe Salvaged 30-Inch	EACH	2.000	2.000
0056	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2,616.000	2,616.000
0058	601.0600	Concrete Curb Pedestrian	LF	27.000	27.000
0060	602.0405	Concrete Sidewalk 4-Inch	SF	2,201.000	2,201.000
0062	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	170.000	170.000
0064	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0066	611.0430	Reconstructing Inlets	EACH	2.000	2.000
0068	611.8110	Adjusting Manhole Covers	EACH	4.000	4.000
		, ,			
0070	611.8115	Adjusting Inlet Covers  Maintenance And Repair of Haul Reads (project) 01	EACH	8.000	8.000
0072	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1610-44-73	EACH	1.000	1.000
		1010 7770			

Sawing Asphalt

Sawing Concrete

0148

0150

690.0150

690.0250

					1610-44-73
Line	Item	Item Description	Unit	Total	Qty
0074	619.1000	Mobilization	EACH	1.000	1.000
0074	624.0100	Water	MGAL	53.000	53.000
0078	625.0100	Topsoil	SY	2,589.000	2,589.000
0080	628.1504	Silt Fence	LF	610.000	610.000
0082	628.1520	Silt Fence Maintenance	LF	610.000	610.000
0084	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0086	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0088	628.2006	Erosion Mat Urban Class I Type A	SY	3,107.000	3,107.000
0090	628.7005	Inlet Protection Type A	EACH	2.000	2.000
0092	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0094	628.7015	Inlet Protection Type C	EACH	12.000	12.000
0096	628.7504	Temporary Ditch Checks	LF	60.000	60.000
0098	628.7555	Culvert Pipe Checks	EACH	32.000	32.000
0100	629.0210	Fertilizer Type B	CWT	0.310	0.310
0102	630.0130	Seeding Mixture No. 30	LB	16.000	16.000
0104	630.0140	Seeding Mixture No. 40	LB	59.000	59.000
0106	630.0500	Seed Water	MGAL	70.000	70.000
0108	638.2102	Moving Signs Type II	EACH	10.000	10.000
0110	642.5001	Field Office Type B	EACH	1.000	1.000
0112	643.0300	Traffic Control Drums	DAY	1,162.000	1,162.000
0114	643.0900	Traffic Control Signs	DAY	2,964.000	2,964.000
0116	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000
0118	643.5000	Traffic Control	EACH	1.000	1.000
0120	644.1420	Temporary Pedestrian Surface Plywood	SF	415.000	415.000
0122	644.1601	Temporary Pedestrian Curb Ramp	DAY	36.000	36.000
0124	644.1810	Temporary Pedestrian Barricade	LF	140.000	140.000
0126	646.1020	Marking Line Epoxy 4-Inch	LF	64,285.000	64,285.000
0128	646.6120	Marking Stop Line Epoxy 18-Inch	LF	54.000	54.000
0130	648.0100	Locating No-Passing Zones	MI	2.560	2.560
0132	649.0105	Temporary Marking Line Paint 4-Inch	LF	31,100.000	31,100.000
0134	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	31,100.000	31,100.000
0136	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	5,648.000	5,648.000
0138	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,616.000	2,616.000
0140	650.6000	Construction Staking Pipe Culverts	EACH	2.000	2.000
0142	650.8000	Construction Staking Resurfacing Reference	LF	16,795.000	16,795.000
0144	650.9000	Construction Staking Curb Ramps	EACH	17.000	17.000
0146	650.9910	Construction Staking Supplemental Control (project) 01. 1610-44-73	LS	1.000	1.000

LF

LF

2,908.000

159.000

2,908.000

159.000

Page 3

# Estimate Of Quantities

1	161	۱۸.	44.	-73
	ı	10-	77	· 1 · J

Line	Item	Item Description	Unit	Total	Qty
0152	740.0440	Incentive IRI Ride	DOL	6,361.000	6,361.000
0154	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0156	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	600.000	600.000
0158	SPV.0060	Special 01. Adjusting Sanitary Manhole Covers	EACH	4.000	4.000
0160	SPV.0090	Special 01. Ditching and Shaping	LF	238.000	238.000



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#### REMOVING SMALL PIPE CULVERTS

202	•	٦1	1	1	
203	٠. (	J	LU	U	

CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	1329+24	SPRUCE ST	1	24" CORRUGATED STEEL-68 LF
0010	010 1461+90		1	24" REINFORCED CONCRETE-90 LF
		PROJECT TOTAL=	2	

#### PAVEMENT REMOVAL SUMMARY

							REMOVING	REMOVING	
					REMOVING	REMOVING	ASPHALTIC	ASPHALTIC	
					CONCRETE	ASPHALTIC	SUFACE BUTT	SURFACE	
					<b>PAVEMENT</b>	SURFACE	JOINTS	MILLING	
					204.0100	204.0110	204.0115	204.0120	
CATEGORY	STATION	TO	STATION	LOCATION	SY	SY	SY	SY	REMARKS
0010	1312+08	_	1480+03	MAINLINE	-	-	474	57,450	PROJECT START/END
0010	1312+08	-	1480+03	SIDEROADS	-	-	1,064	110	
0010	1329+15	-	1329+35	CULVERT REPLACEMENT	98	-	_	98	
0010	1461+40	-	1462+40	CULVERT REPLACEMENT	-	-	_	367	
0010	1338+50	-	1338+75	CURB RAMP REPLACEMENT		35	_		BALSAM ST SW & SE CORNERS
				PROJECT TOTAL=	98	35	1,538	58,025	

	CURB	ጼ	GUT"	TFR	SUM	MAR
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	<u> </u>	SIDEWALK SUM REMOVING	CONCRETE	CURB RAMP	CATEGORY			CT.1TTO.		REMOVING CURB & GUTTER 204.0150	CONCRETE CURB & GUTTER 30- INCH TYPE D 601.0411	CONCRETE CURB PEDESTRIAN 601.0600	DELIA DI C
		CONCRETE		DETECTABLE WARNING	CATEGORY	STATION	T0	STATION	LOCATION	LF	LF	LF	REMARKS
		SIDEWALK	4-INCH	FIELD YELLOW	0010	1323+50	-	1325+83	RT	279	279	-	MAPLE ST
		204.0155	602.0405	602.0505	0010	1329+85	_	1330+00	LT	32	38	-	SPRUCE ST. NW.
CATEGORY	LOCATION	SY	SF	SF	0010	1329+21	_	1329+43	LT	31	31	-	SPRUCE ST. SW
0010	NW SPRUCE ST	_	155	10	0010	1333+85	_	1334+07	LT	33	33	-	PINE ST. SW
0010	SW PINE ST	26	241	20	0010	1333+85	_	1334+07	RT	32	32	-	PINE ST. SE
0010	SE PINE ST	13	166	20	0010	1334+35	_	1338+75	RT	463	463	-	PINE - BALSAM
0010	NW PINE ST	36	264	20	0010	1334+35	_	1338+75	LT	463	463	-	PINE - BALSAM
0010	NE PINE ST	13	217	20	0010	1338+53	_	1338+65	LT	_	-	27	BALSAM ST. SW
0010	SW BALSAM ST	26	305	10	0010	1339+05	_	1344+47	LT	575	575	_	BALSAM - STH 70
0010	SE BALSAM ST	5	234	20	0010	1339+05	_	1344+42	RT	572	572	-	BALSAM - STH 70
0010	NW BALSAM ST	19	211	20	0010	1344+83	_	1345+23	LT	63	63	-	STH 70 NW
0010	NE BALSAM ST	18	251	20	0010	1344+80	-	1345+24	RT	67	67		STH 70 NE
0010	SW STH 70	10	157	10					PROJECT TOTALS =	2,610	2,616	27	
Р	ROJECT TOTALS=	166	2,201	170									

PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE MISCELLANEOUS QUANTITIES SHEET E

	<u> </u>	<u>EXCAVATION</u>	N COMMON		<u> </u>	PREPARE FOUNI	DATION FOR	ASPHALTIC PAVIN	G (PROJECT)	01. 1610-44-73
CATEGORY STATION T  0010 1323+50 - 0010 1328+75 - 0010 1461+40 -	1345+24 1329+70 1462+40	LOCATION CURB REMON SPRUCE S PROJECT TO	N VAL : ST :	CY REMARKS  314 167 CULVERT REPLACEMENT CULVERT REPLACEMENT CULVERT REPLACEMENT	_	CATEGORY 0010	STATION 1312+08	TO STATION - 1480+03	LOCATION STH 13 PROJECT	211.0100 N LS 1 T TOTAL= 1
<u>BA</u> :	SE AGGREGA	TE DENSE 3	3/4-INCH				BASE AGG	REGATE DENSE 1	<b>1/4-INCH</b> 305.0120	
CATEGORY STATION TO	STATION	LC	OCATION	305.0110 TON	CATEGORY	STATION TO	STATION	LOCATION	TON	REMARKS
0010 1312+08 - 0010 1312+08 -	1480+03	SHO DRIVEWAY	OULDERS YS/SIDE ROADS JECT TOTAL=	2,672 112 2,784	0010 0010 0010	1323+50 - 1328+75 - 1461+40 -	1462+40	SPRUCE ST PROJECT TOTAL=	435 60 225 <b>720</b>	CURB REPLACEMENT CULVERT REPLACEMEN' CULVERT REPLACEMEN'
					HMA PAVEMENT 4 MT 58-28 S 460.6224	TACK COAT 455.0605	ASPHALTIC SURFACE 465.0105	ASPHALTIC SURFACE PATCHING 465.0110		
	CATEGORY	STATION	TO STATION	LOCATION	TON	GAL	TON	TON	REMARKS	
	0010 0010	1312+08 1472+73	- 1480+03 - 1480+03	MAINLINE MAINLINE	6,564 -	4,130 -	- 73	<del>-</del>	WEDGING	
	0010	1323+47	- 1345+23	CURB REPLACEMENT	65	41	195	-	33	
	0010	1338+50	- 1338+75		-	-	8	-		
	0010 0010	1329+14 1461+35	<ul><li>1329+34</li><li>1462+45</li></ul>		11 42	<del>-</del>	31 113	<del>-</del>		
	0010	PROJECT		UNDISTRIBUTED	<u> </u>			104		
				PROJECT TOTALS=	6,682	4,171	420	104		
				ASPHALTIC CENTERL	INE RUMBLE STRIPS	2-LANE RURA	<u>\L</u>			
				CATEGORY STATION TO	STATION LOCATI		0475 .F			
				0010 1312+08 -	1323+42 CL	7	34			
				0010 1362+85 -	1480+03 CL PROJECT TOTAL		074 <b>808</b>			

									CULVERT	SUMMARY							
	CATEGORY STA	ΔΤΤΟΝ	LOCATION	REMOVING ENDWALLS 204.9060.S EACH	CLEANING CULVERT PIPES 520.8700 EACH	CULVERT F REINFORC CONCRETE CLA 24-INCI 522.012 LF	CED ASS III H	REINF CONCRETE 30-: 522.	ORCED FO	APRON ENDWA DR CULVERT REINFORCE DNCRETE 24- 522.1024 EACH	PIPE F O INCH (	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH 522.1030 EACH	APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH 524.0624 EACH	APRON ENDWALLS FOR CULVERT PIPE SALVAGED 30-INCH 524.0630 EACH	INLET	DISCHARGE ELEVATION	
١		21+94	LT	1	1				-	-		1	-	LACII	-	-	30" RCCP
l		29+25	LT/RT	-	_	68			_	1		-	_	_	-	1440.25	
		65+07	LT/RT	-	_	_			_	-		-	-	2	_	_	-
		28+43	LT/RT	-	1	-			-	-		-	2	-	-	-	24" RCCP
	0010 146	61+90	LT/RT					9	0	_		2	-	-	1500.29	1498.82	-
	PROJECT	T TOTAL	.S=	1	2	68		9	0	1		3	2	2			
								ADJI	JSTING INLE	S/COVERS							
									ADJUSTING MAI COVERS 611.8110	IN	DJUSTING ET COVE 11.8115	ERS COVER SPV.006	ANHOLE S D.01				
					CATEGO	RY STATION	OFFSET	LOCATION	EACH		EACH	EACH	<u> </u>				
					0010		-	LT/RT	_		-	2					
					0010		24	LT	_		-	1					
					0010		45 25	LT	- 1		1	_					
					0010 0010		25 22	LT LT	_		- 1	_					
					0010		20	RT	_		1	<del>-</del>					
					0010		22	LT	_		1	_					
					0010		15	LT	1		_	_					
					0010	1338+77	19	LT	1		-	_					
					0010		26	LT	_		-	1					
					0010		22	LT	_		1	_					
					0010		22	LT	_		1	_					
					0010 0010		22 30	RT LT	_		1	_					
					0010		23	RT	- 1		_	- -					
							ECT TO	=	4		8	4					
			DE	CONSTRUCT	NG MANHOLES		CI 10	IALS=	4		8	4					
					RECONSTRUCT MANHOLES 611.0420	ING RECON I 61	ISTRUCT NLETS						WATI	<b>ER</b> 624.01	00		
			ION LOCAT		EACH		EACH	RIM ELE	<del></del>			CATE	GORY LOCATION	MGAL			
l	0010		+25 35.5'		-		1	1445.8				00	10 PROJECT	53			
	0010		+42 42.1'		_		1	1468.8					PROJECT TOT	· · · · · · · · · · · · · · · · · · ·			
	0010	1344	+46 23.3'	LT	1		_	1468.9	b				PROJECT TOT	1AL- 33			
1			PROJECT T	OTALS=	1		2										

MISCELLANEOUS QUANTITIES

COUNTY: PRICE

HWY: STH 13

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SHEET

PROJECT NO: 1610-44-73

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#### EROSION CONTROL ITEMS

CATEGORY	LOCATION	TOPSOIL 625.0100 SY	SILT FENCE 628.1504 LF	SILT FENCE MAINTENANCE 628.1520 LF	EROSION MAT URBAN CLASS I TYPE A 628.2006 SY	TEMPORARY DITCH CHECKS 628.7504 LF	CULVERT PIPE CHECKS 628.7555 EACH	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 30 630.0130 LB	SEEDING MIXTURE NO. 40 630.0140 LB	SEED WATER 630.0500 MGAL	REMARKS
0010	START-MAPLE ST.	17	_	_	17	_	_	0.01	_	0.4	_	
0010	NW SPRUCE ST	30	_	_	30	_	_	0.01	_	0.6	_	
0010	SW PINE ST	25	_	_	25	_	_	0.01	_	0.5	_	
0010	NW PINE ST	31	_	_	31	_	_	0.01	_	0.6	_	
0010	NE PINE ST	27	-	-	27	_	_	0.01	-	0.5	_	
0010	SE PINE ST	16	-	-	16	_	_	0.01	-	0.3	_	
0010	PINE ST-BALSAM ST CURB	442	-	-	442	-	-	0.03	_	8.0	-	
0010	SW BALSAM ST	13	-	-	13	-	-	0.01	-	0.3	-	
0010	NW BALSAM ST	14	-	-	14	-	-	0.01	-	0.4	-	
0010	NE BALSAM ST	7	-	-	7	-	-	0.01	-	0.4	-	
0010	BALSAM ST-STH 70 CURB	666	-	-	666	-	-	0.05	-	12.0	-	
0010	1321+94	-	20	20	-	-	4	-	-	-	-	
0010	1327+76 - 1329+44, RT	301	-	-	301	30	-	0.02	-	6	-	DITCHING AND SHAPING AREAS
0010	1328+65 - 1329+75, LT	166	100	100	166	10	-	0.02	-	3	-	DITCHING AND SHAPING AREAS
0010	1355+33	-	-	-	-	-	4	-	-	-	-	
0010	1365+07	_	20	20	-	-	4	-	-	-	-	
0010	1394+57	_	-	-	-	-	4	-	-	-	-	
0010	1428+43	_	20	20	-	-	4	-	-	-	-	
0010	1461+40 - 1462+60, LT & RT	834	250	250	834	-	4	0.06	16	16	_	NORTH CULVERT REPLACEMENT
0010	UNDISTRIBUTED		200	200	518	20	8	0.04	-	10	70	=
	PROJECT TOTALS=	2,589	610	610	3,107	60	32	0.31	16	59	70	

#### **INLET PROTECTION SUMMARY**

		INLET	INLET	INLET
		PROTECTION	PROTECTION	PROTECTION
		TYPE A	TYPE B	TYPE C
		628.7005	628.7010	628.7015
CATEGORY	LOCATION	EACH	EACH	EACH
0010	SW PINE ST	-	-	1
0010	NW PINE ST	-	-	2
0010	NE PINE ST	-	1	1
0010	PINE ST-BALSAM ST CURB	-	-	1
0010	SW BALSAM ST	-	-	1
0010	NW BALSAM ST	-	-	2
0010	BALSAM ST-STH 70 CURB	-	-	1
0010	SE STH 70	-	-	1
0010	SW STH 70	-	-	1
0010	NW STH 70	-	-	1
0010	1327+76 - 1329+44, RT	2		
	PROJECT TOTALS=	2	1	12

#### MOBILIZATIONS EROSION CONTROL SUMMARY

		MOBILIZATIONS
	MOBILIZATIONS	<b>EMERGENCY</b>
	EROSION	EROSION
	CONTROL	CONTROL
	628.1905	628.1910
CATEGORY LOCATION	EACH	EACH
0010 PROJECT LIMITS	4	2
PROJECT TOTALS=	4	2

PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE MISCELLANEOUS QUANTITIES SHEET E

#### MOVING SIGNS TYPE II

#### TEMPORARY PEDESTRIAN ITEMS

				638.2102	
CATEGORY	STATION	OFFSET	LOCATION	EACH	REMARKS
0010	1333+91	45.9	RT	1	CURB RAMP
0010	1333+99	43.6	LT	1	CURB RAMP
0010	1334+43	36.2	RT	2	CURB RAMP
0010	1338+73	44.1	LT	1	CURB RAMP
0010	1339+07	40.3	RT	1	CURB RAMP
0010	1339+11	39.7	LT	1	CURB RAMP
0010	1344+33	42.6	LT	1	CURB RAMP
0010	1345+47	23.3'	LT	1	SIGHT DISTANCE
0010	1345+19	32.1'	RT	1	SIGHT DISTANCE
	PROJECT	TOTAL=	:	10	

						TEMPORARY PEDESTRIAN SURFACE PLYWOOD 644.1420		TEMPORARY PEDESTRIAN CURB RAMP 644.1601	TEMPORARY PEDESTRIAN BARRICADE 644.1810
CATEGORY	Y STATION TO STATION DAYS LOCA		LOCATION	SF	QTY.	DAY	LF		
0010 0010	1333+00 1333+00	-	1340+00 1340+00	3 3	PINE ST BALSAM ST	250 165	7 5	21 15	51 89
			PROJ	ECT TO	: TALS=	415		36	140

#### TRAFFIC CONTROL

CATEGORY	STATION TO STATION	LOCATION	TRAFFIC CONTROL SIGNS 643.0900 DAY	TRAFFIC CONTROL DRUMS 643.0300 DAY	TRAFFIC CONTROI SIGNS FIXED MESSAGE 643.1000 SF	TRAFFIC CONTROL 643.5000 EACH	TEMPORARY LANE SHIFT DURING CULVERT WORK 208.1500.S EACH	STAGE	REMARKS
0010	STH 13	PROJECT	-	_	_	1	-		
0010	STH 13	SIDEROADS	2,880	-	-	-	_	PAVING	
0010	1329+65 - 1344+49	SHOULDER CLOSURE	42	357	-	_	-	1-SIDEWALK	
0010	1329+65 - 1344+49	SHOULDER CLOSURE	42	357	-	_	-	2-SIDEWALK	
0010	1328+75 - 1329+70	CULVERT REPLACEMENT	-	224	-	_	1		
0010	1461+40 - 1462+40	CULVERT REPLACEMENT	-	224	-	_	1		
0010	STH 13	* PROJECT LIMITS	<del>_</del>	<u>-</u>	36	<del>-</del>	<del>-</del>	•	"ROAD WORK NEXT 3.5 MILES"
		PROJECT TOTAL=	2,964	1,162	36	1	2		

<sup>\*</sup> PLACED AT PROJECT TERMINI 7 DAYS PRIOR TO CONSTRUCTION

	PROJECT NO: 1610-44-73	HWY: STH 13	COUNTY: PRICE	MISCELLANEOUS QUANTITIES	SHEET	E
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						MARKING	TEMPORARY	TEMPORARY	TEMPORARY	
					MARKING	STOP LINE	MARKING	MARKING	MARKING LINE	
					LINE EPOXY	EPOXY 18-	LINE PAINT	LINE EPOXY	REMOVABLE TAPE	
					4-INCH	INCH	4-INCH	4-INCH	4-INCH	
					646.1020	646.6120	649.0105	649.0120	649.0150	
CATEGORY	STATION	то	STATION	LOCATION	LF	LF	LF	LF	LF	REMARKS
0010	1312+08	-	1334+00	LT/RT	4,379	_	-	-	-	OUTSIDE LANE MARKERS
0010	1334+00	_	1345+00	LT/RT	2,200	_	_	_	_	OUTSIDE LANE MARKERS
0010	1345+00	_	1480+03	LT/RT	26,606	-	_	-	_	OUTSIDE LANE MARKERS
0010	1312+11	_	1344+00	CL	6,378	-	6,378	6,378	_	DOUBLE SOLID, YELLOW
0010	1345+25	_	1357+00	CL	2,350	-	2,350	2,350	_	DOUBLE SOLID, YELLOW
0010	1312+08	_	1357+00	CL	8,984	-	8,984	8,984	_	DOUBLE SOLID, YELLOW
0010	1357+00	_	1379+39	CL	2,799	_	2,799	2,799	_	DASHED/SOLID, YELLOW
0010	1379+39	_	1381+59	CL	440	-	440	440	_	DOUBLE SOLID, YELLOW
0010	1381+59	_	1389+24	CL	956	_	956	956	_	DASHED/SOLID, YELLOW
0010	1389+24	_	1396+44	CL	1,440	-	1,440	1,440	_	DOUBLE SOLID, YELLOW
0010	1396+44	_	1406+08	CL	1,205	-	1,205	1,205	_	DASHED/SOLID, YELLOW
0010	1406+08	_	1412+76	CL	1,336	-	1,336	1,336	_	DOUBLE SOLID, YELLOW
0010	1412+76	_	1428+56	CL	1,975	-	1,975	1,975	_	DASHED/SOLID, YELLOW
0010	1428+56	_	1435+21	CL	166	-	166	166	_	DASHED, YELLOW
0010	1435+21	_	1442+62	CL	926	-	926	926	_	DASHED/SOLID, YELLOW
0010	1442+62	_	1444+33	CL	43	-	43	43	_	DASHED, YELLOW
0010	1444+33	_	1456+42	CL	1,511	-	1,511	1,511	_	DASHED/SOLID, YELLOW
0010	1456+42	_	1480+03	CL	590	-	590	590	_	DASHED, YELLOW
0010	1344+35	_	1344+65	STH 70 INT	_	54	_	_	_	WHITE
0010	1330+00	-	1344+00	STH 13					5,648	DOUBLE SOLID, YELLOW-SHOULDER CLOSURE
				PROJECT TOTALS=	64,285	54	31,100	31,100	5,648	

#### CONSTRUCTION STAKING SUMMARY

								CONSTRUCTION	
				CONSTRUCTION		CONSTRUCTION		STAKING	
				STAKING CURB	CONSTRUCTION	STAKING	CONSTRUCTION	SUPPLEMENTAL	
				GUTTER AND CURB	STAKING PIPE	RESURFACING	STAKING CURB	CONTROL (PROJECT)	
				& GUTTER	CULVERTS	REFERENCE	RAMPS	01. 1610-44-73	
				650.5500	650.6000	650.8000	650.9000	650.9910	
CATEGORY	STATION	T0	STATION LOCATION	LF	EACH	LF	EACH	LS	
0010	1312+08	-	1480+03 STH 13	2,616	2	16,795	17	1	
			PROJECT TOTAL=	2,616	2	16,795	17	1	

PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE MISCELLANEOUS QUANTITIES SHEET E

#### LOCATING NO-PASSING ZONES

					648.0100	
CATEGORY	STATION	TO	STATION	LOCATION	MI	REMARKS
0010	1345+00	-	1480+03	STH 13	2.56	RURAL SECTION
			PROJECT TOTAL=		2.56	

#### **DITCHING AND SHAPING**

					SPV.0090.01
CATEGORY	/ STATION	TO	STATION L	OCATION	LF
0010	1327+76	-	1329+44	RT	128
0010	1328+65	-	1329+75	LT	110
			PROJECT	TOTAL=	238

#### **SAWING ASPHALT**

		690.0150	
CATEGORY	LOCATION	LF	REMARKS
0010	CURB REPLACEMENT	2,783	
0010	CURB RAMP REPLACEMENT	65	BALSAM ST SW & SE CORNERS
0010	STA. 1461+90 CULVERT REPLACEMENT	60	
	PROJECT TOTAL =	2.908	

#### SAWING CONCRETE

					690.0250	
CATEGORY	STATION	TO	STATION	LOCATION	LF	REMARKS
0010 0010	1329+15 1334+00	-	1329+35 1339+00	CULVERT REPLACEMENT SIDEWALKS	93 66	CONCRETE SUBBASE
				PROJECT TOTAL=	159	

PROJECT NO: 1610-44-73 HWY: STH 13 COUNTY: PRICE MISCELLANEOUS QUANTITIES SHEET E

# STATE OF WISCONSIN

# DEPARTMENT OF TRANSPORTATION TRANSPORTATION PROJECT PLAT TITLE SHEET

1610-44-23

# **PRENTICE - PARK FALLS**

WALNUT ST TO N FK FLAMBEAU RVR BRIDGE

**STH 13 PRICE COUNTY** 

LAYOUT

SCALE

1/2 MILE

#### CONVENTIONAL SYMBOLS

R/W MONUMENT SECTION LINE CORNER QUARTER LINE SYMBOL NON-MONUMENTED O SIXTEENTH LINE SECTION NEW REFERENCE LINE CORNER MONUMENT NEW R/W LINE GEODETIC SURVEY MONUMENT 0 EXISTING R/W OR HE LINE SIXTEENTH CORNER MONUMENT PROPERTY LINE SIGN LOT. TIE & OTHER MINOR LINES SLOPE INTERCEPT NON-COMPENSABLE COMPENSABLE ELECTRIC POLE CORPORATE LIMITS TELEPHONE POLE UNDERGROUND FACILITY PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.) 2/// \_\_\_\_\_\_ ACCESS RESTRICTED BY ACQUISITION TEMPORARY LIMITED NO ACCESS (BY STATUTORY AUTHORITY) ..... EASEMENT AREA ACCESS RESTRICTED (BY PREVIOUS EASEMENT AREA (PERMANENT LIMITED OR PROJECT OR CONTROL) RESTRICTED DEVELOPMENT) NO ACCESS (NEW HIGHWAY) \*\*\*\* \_<del>\</del>\ UTILITY NUMBER (40) PARCEL NUMBER (25) TO BE REMOVED PARALLEL OFFSETS

T 39 N

CONVENTIONAL UTILITY SYMBOLS

#### CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF CURVATURE	PC	
ACRES	AC	POINT OF COMPOUND CURVE	PCC	
AHEAD	AH	POINT OF INTERSECTION	PI	
ALUMINUM	AH ALUM	PROPERTY LINE	PL	
	ET AL	RECORDED AS	(100')	
BACK	BK	REEL / IMAGE	R/I	
BLOCK	BLK	REFERENCE LINE	R/L	
BUILDING	В	REMAINING	REM	
CENTERLINE	C/L	RESTICTIVE DEVELOPMENT	RDE	
CERTIFIED SURVEY MAP	CSM	EASEMENT		
	CONC	RIGHT	RT	
COUNTY	CO	RIGHT OF WAY	R/W	
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC	
DISTANCE	DIST	SEPTIC VENT	SEPV	
CORNER	COR	SQUARE FEET	SF	
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH	
EASEMENT	EASE	STATION	STA	
EXISTING	EX	TELEPHONE PEDESTAL	TP	
FRACTIONAL	EX FRAC	TEMPORARY LIMITED	TLE	
GAS VALVE	GV	EASEMENT		
GRID NORTH	GN	TRANSPORTATION PROJECT	TPP	
	HE	PLAT		
	ID	UNITED STATES HIGHWAY	USH	
LAND CONTRACT	LC	VOLUME	V	
LEFT	LT	CURVE DATA		
MONUMENT	MON	CORVEDATA		
NATIONAL GEODETIC SURVEY	NGS	LONG CHORD	LCH	
NUMBER	NO	LONG CHORD BEARING	LCB	
OUTLOT	OI	RADIUS	R	

DEGREE OF CURVE

CENTRAL ANGLE

TANGENT

LENGTH OF CURVE

DIRECTION AHEAD

DIRECTION BACK

BOYER RD LOFRAHL X O BR RD TN RD PINE ST MILLER SPRUCE ST WALNUT S **PROJECT** 12 LOCATION WHITE ROCK RD 2 CHADA RD R1W R1E

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1610-44-23.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PRICE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET, VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. NGS POINT UTILIZED WAS EISENSTEIN SW GPS

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY  $\frac{1}{3}$ ," X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NC REGION.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

RESERVED FOR REGISTER OF DEEDS PROJECT NUMBER 1610-44-23-4.01

SHEET 2 OF 2

P:\KNGHT\18001 - STH 13\C3D\RW\RTSTH13.DWG

PLE

PAGE

POINT OF TANGENCY

PERMANENT LIMITED

POINT OF BEGINNING

APPRAISAL PLAT DATE: 5/19/20

△/DELTA

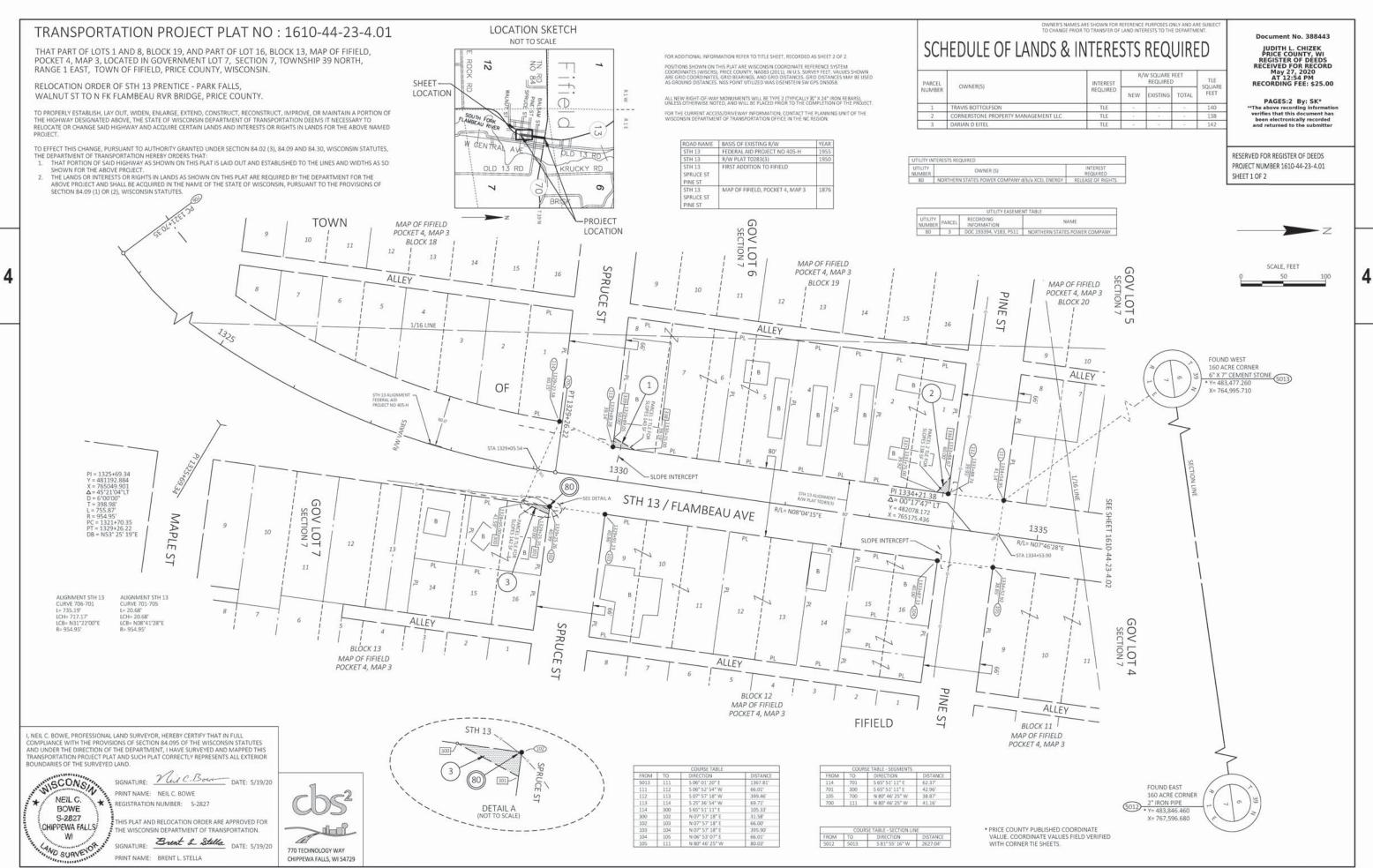
FLECTRIC

CABLE TELEVISION

SANITARY SEWER

STORM SEWER

FIBER OPTIC



FILE NAME: P:\KNGHT\18001 - STH 13\C3D\RW\RDSTH13.DWG
APPRAISAL PLAT DATE: 5/19/20

PLOT DATE :

5/21/2020 3:40 PM

WISDOT 1610-44-23-4.01

FILE NAME : P:\KNGHT\18001 - STH 13\C3D\RW\RDSTH13.DWG
APPRAISAL PLAT DATE : 5/19/20

PRINT NAME: NEIL C. BOWE

PRINT NAME: BRENT L. STELLA

REGISTRATION NUMBER: S-2827

HIS PLAT AND RELOCATION ORDER ARE APPROVED FOR

THE WISCONSIN DEPARTMENT OF TRANSPORTATION

Brent L Stella

BOUNDARIES OF THE SURVEYED LAND

HISCONS,

NEIL C.

BOWE

5.2827

CHIPPEWA FALLS

W)

NO SURVE

6/8/2020 4:49 PM

770 TECHNOLOGY WAY

CHIPPEWA FALLS, WI 54729

PLOT DATE :

WISDOT 1610-44-23-4.02

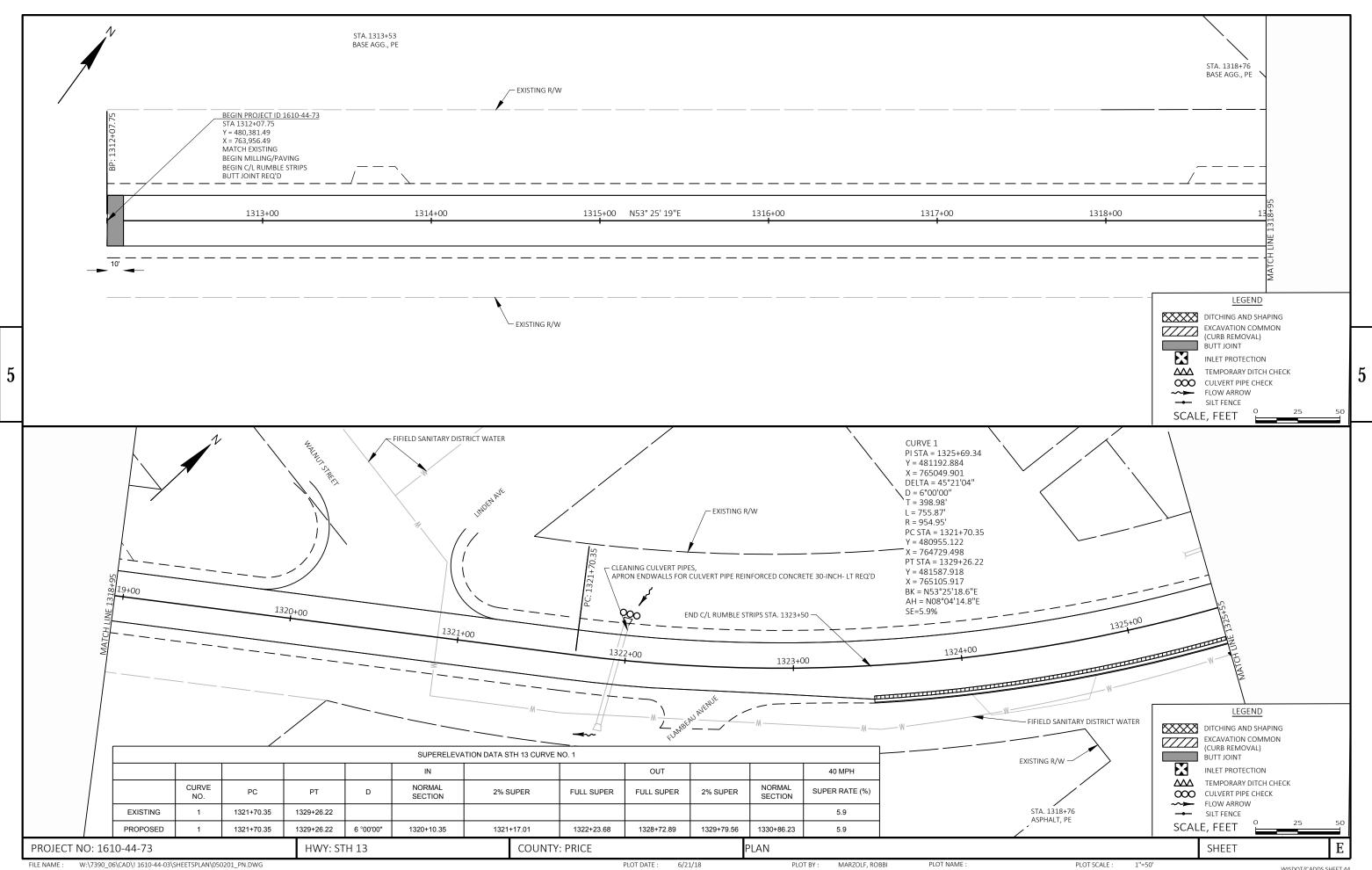
FOUND 2" IRON PIPE \* Y= 483,846.460

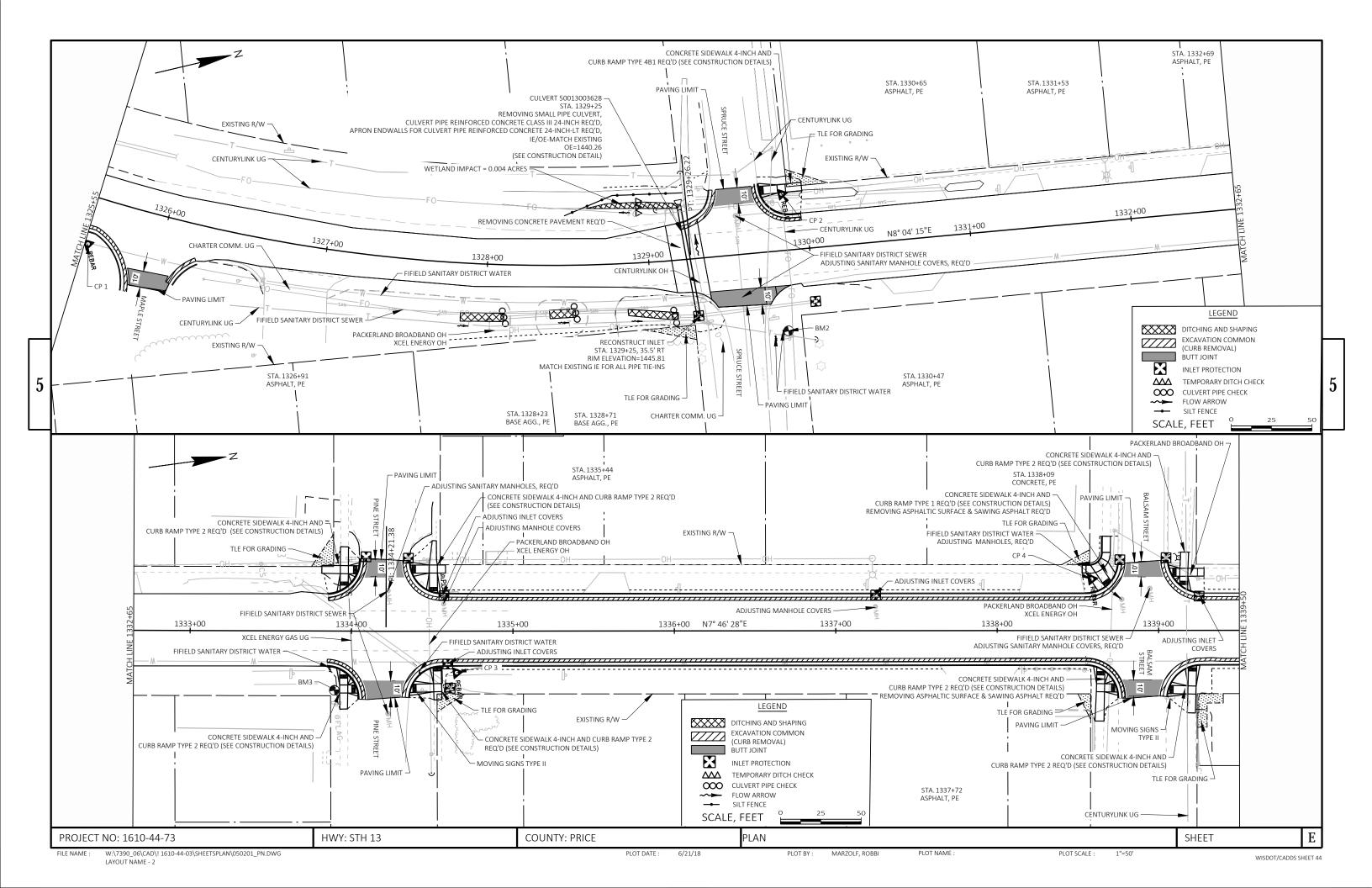
X= 767 596 680

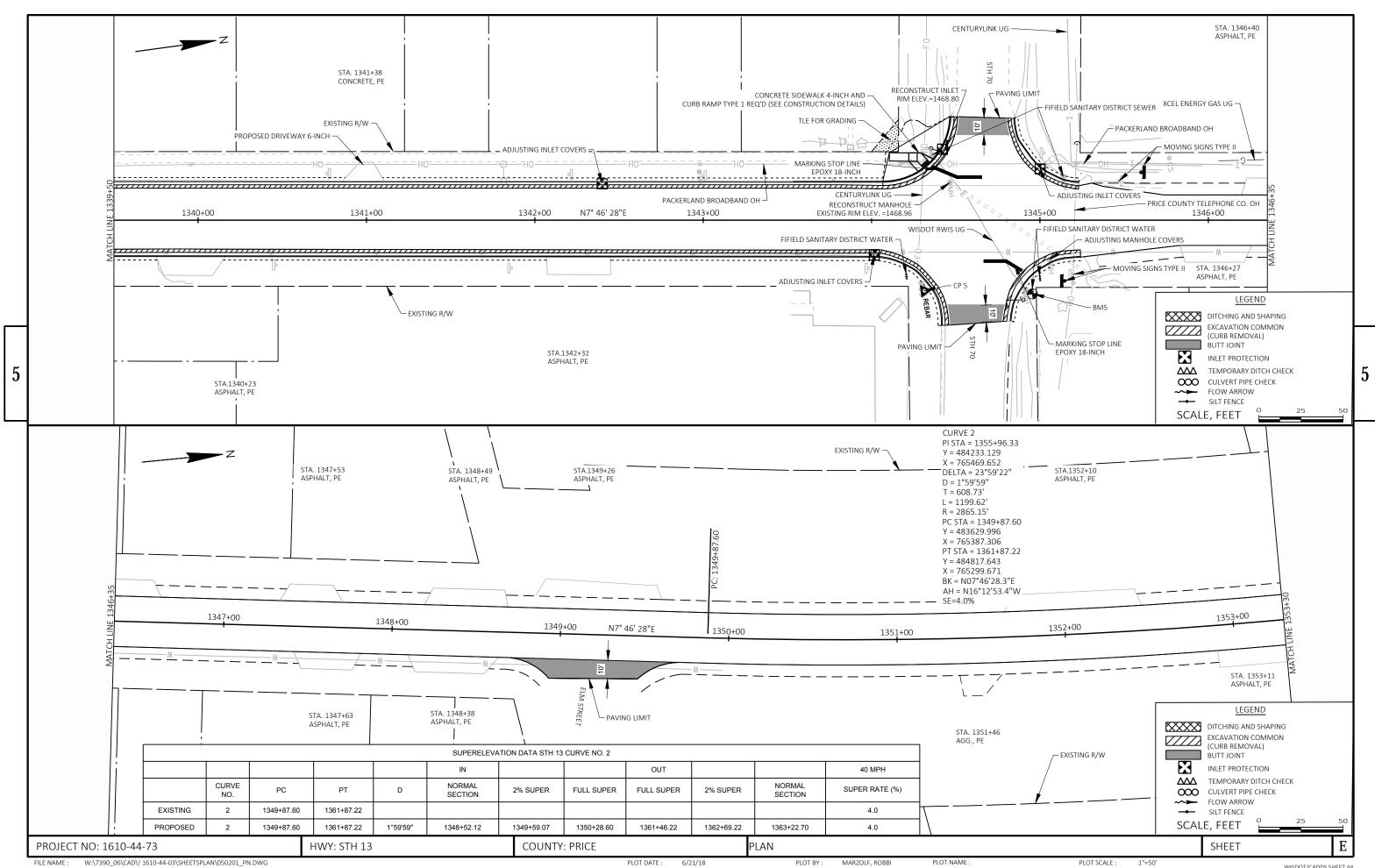
EAST 160 ACRE CORNER

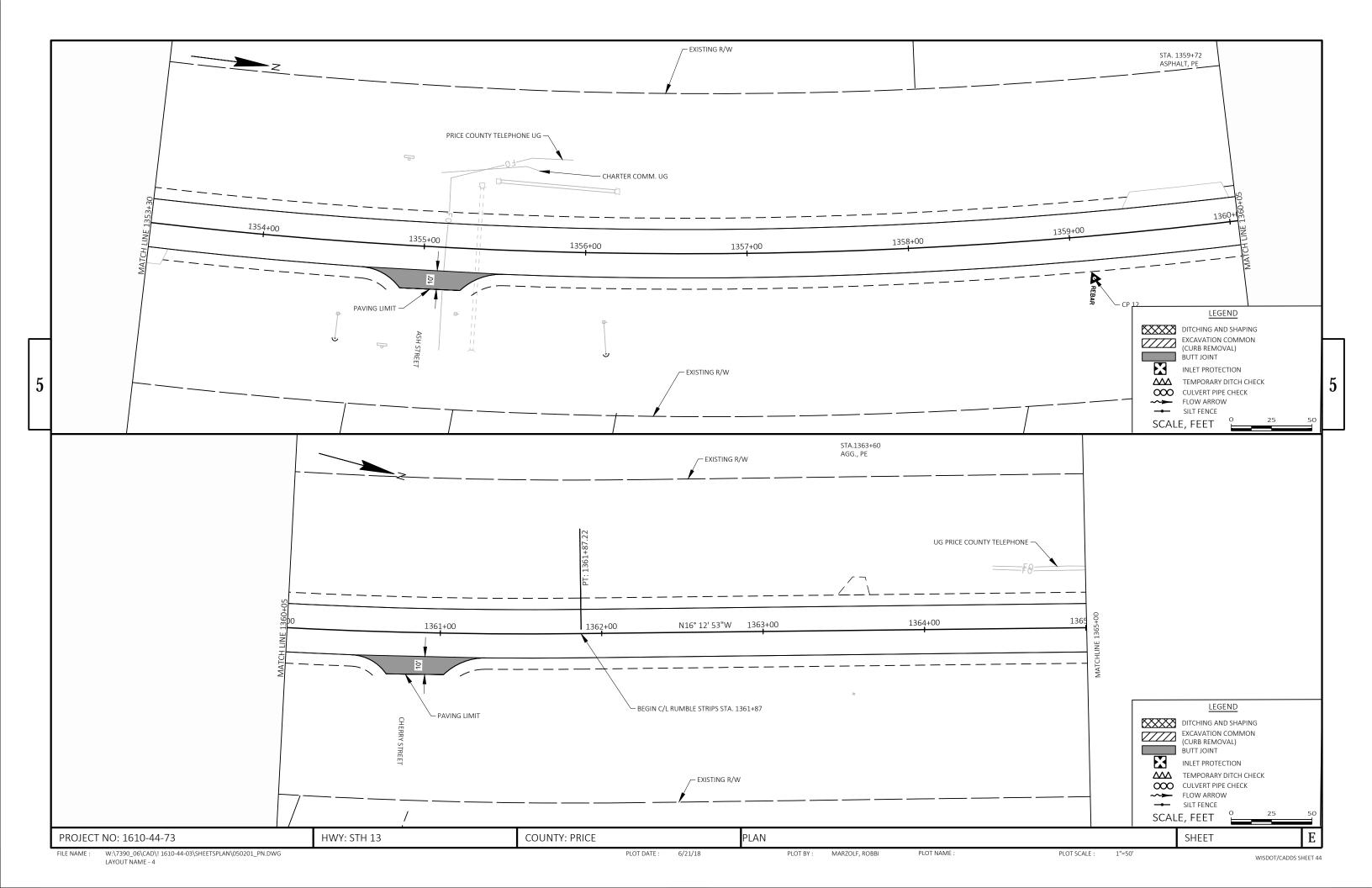
BLOCK 9

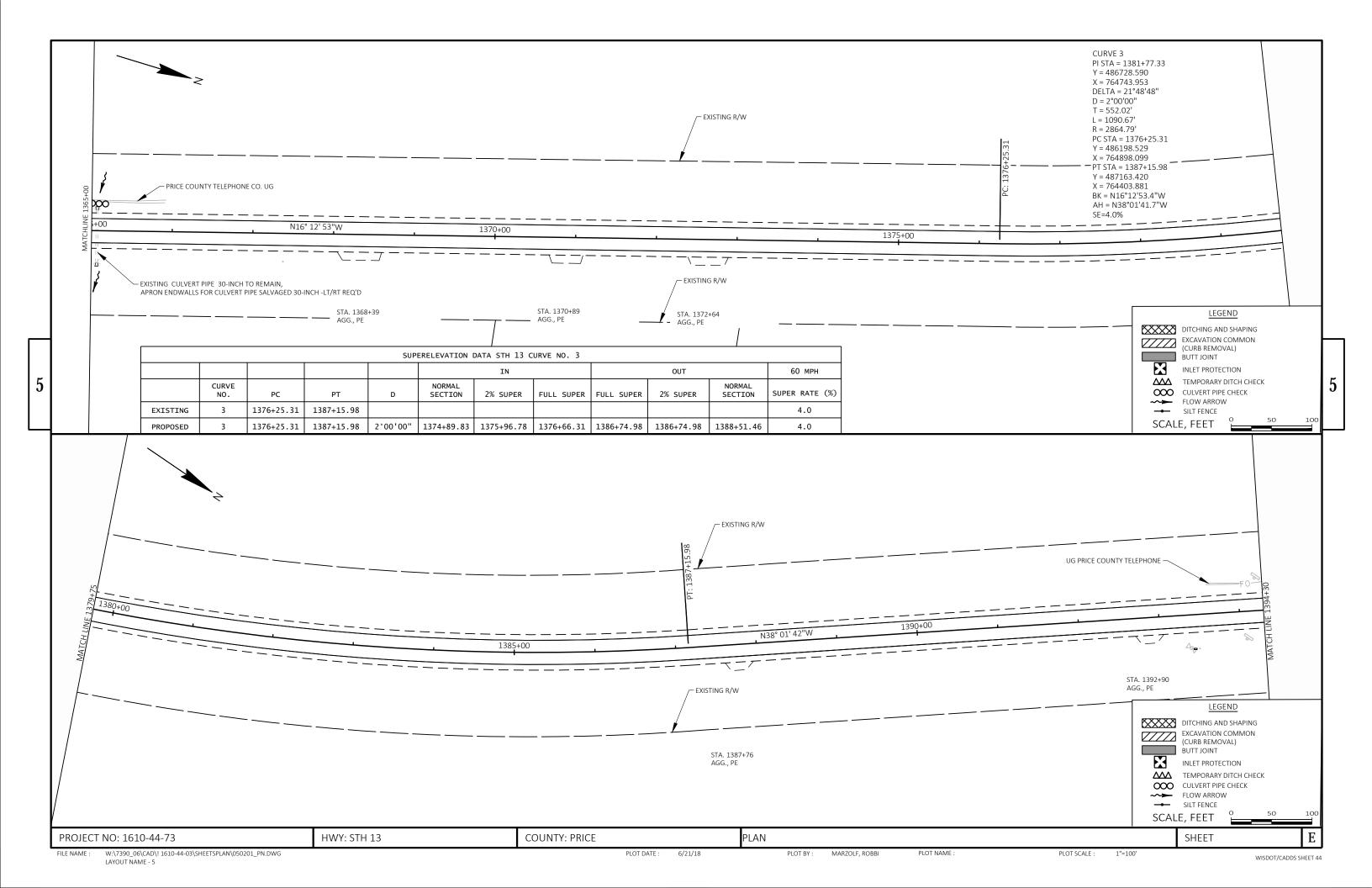
MAP OF FIFIELD POCKET 4, MAP 3

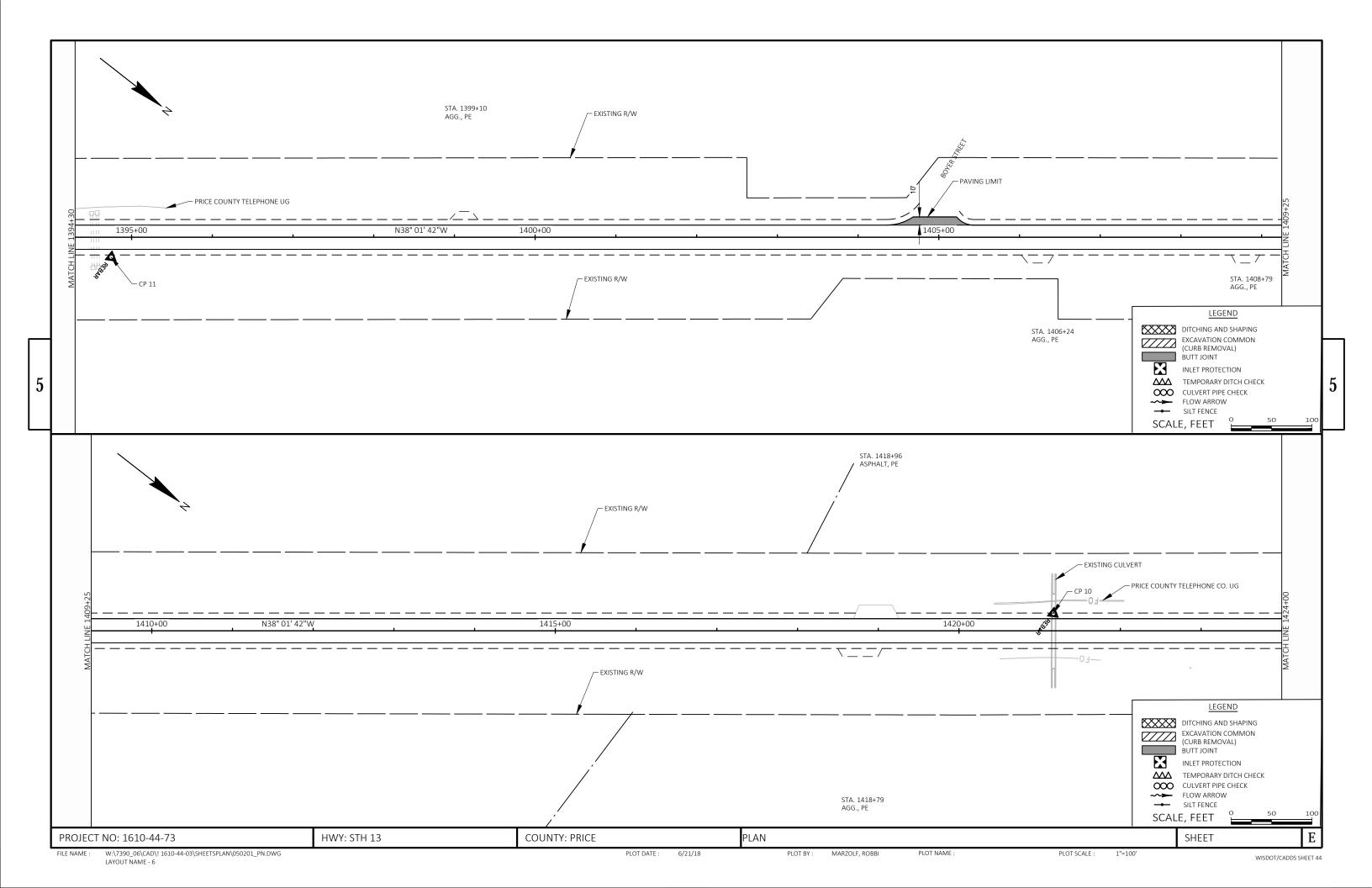


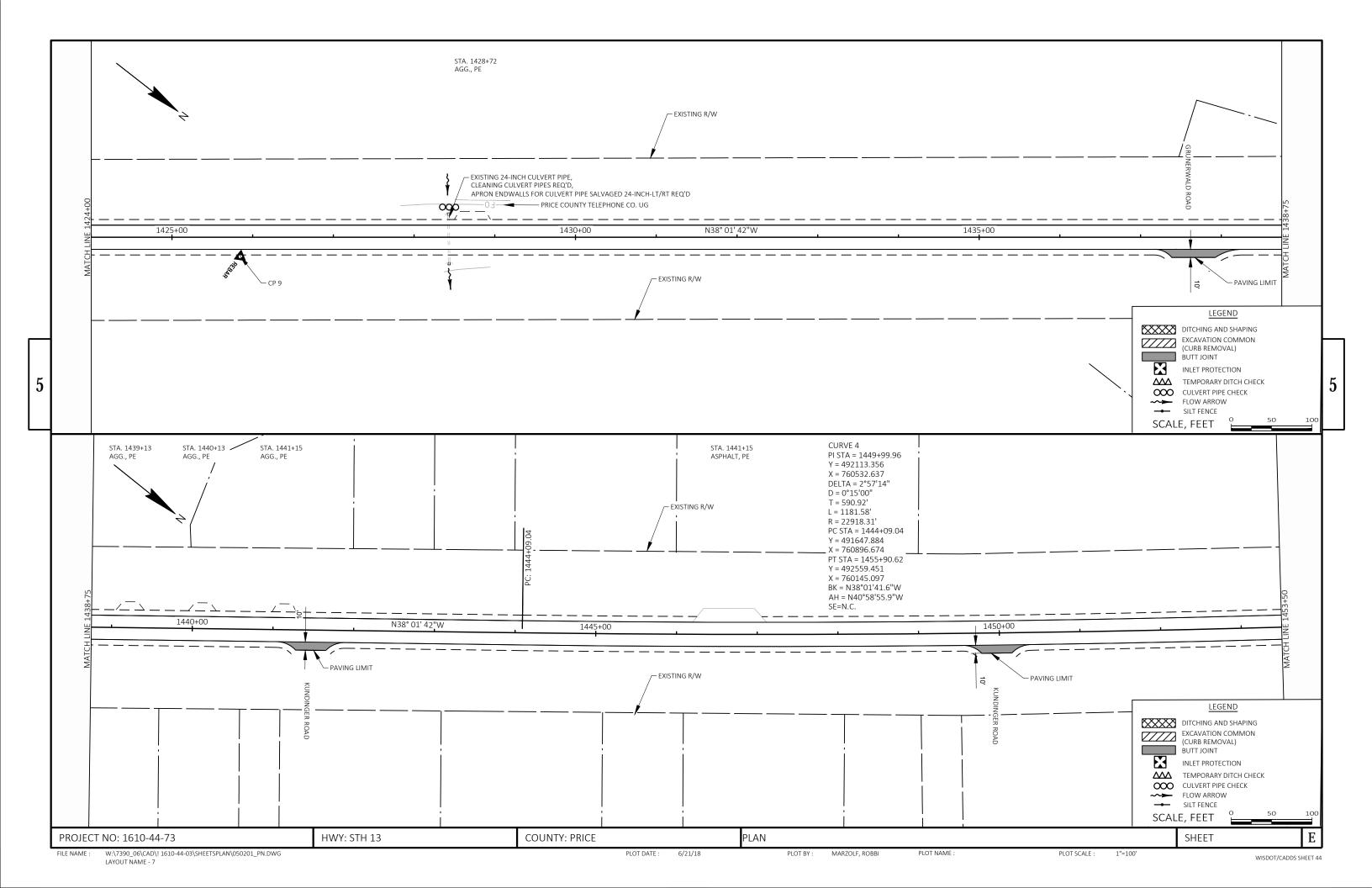


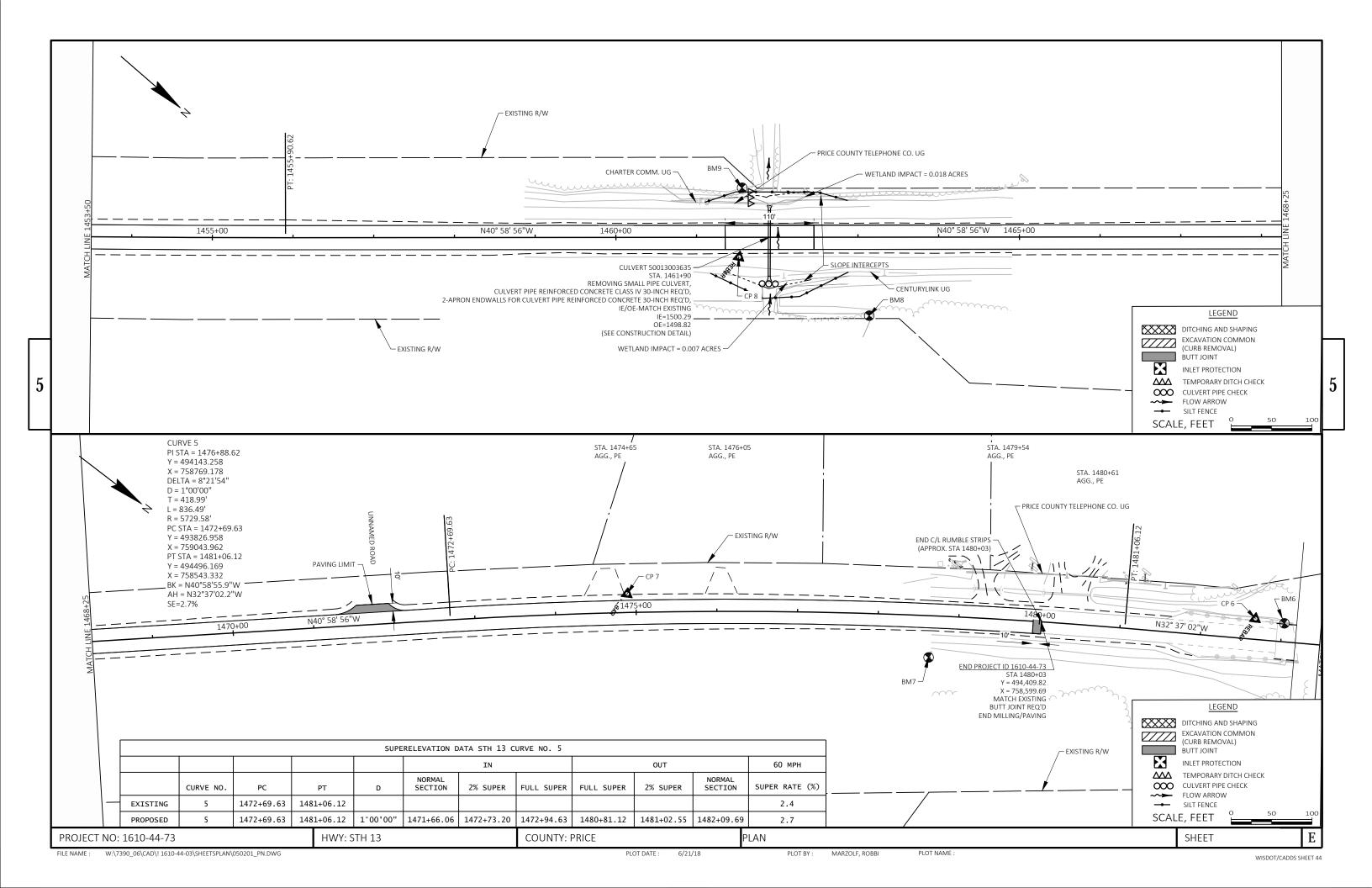






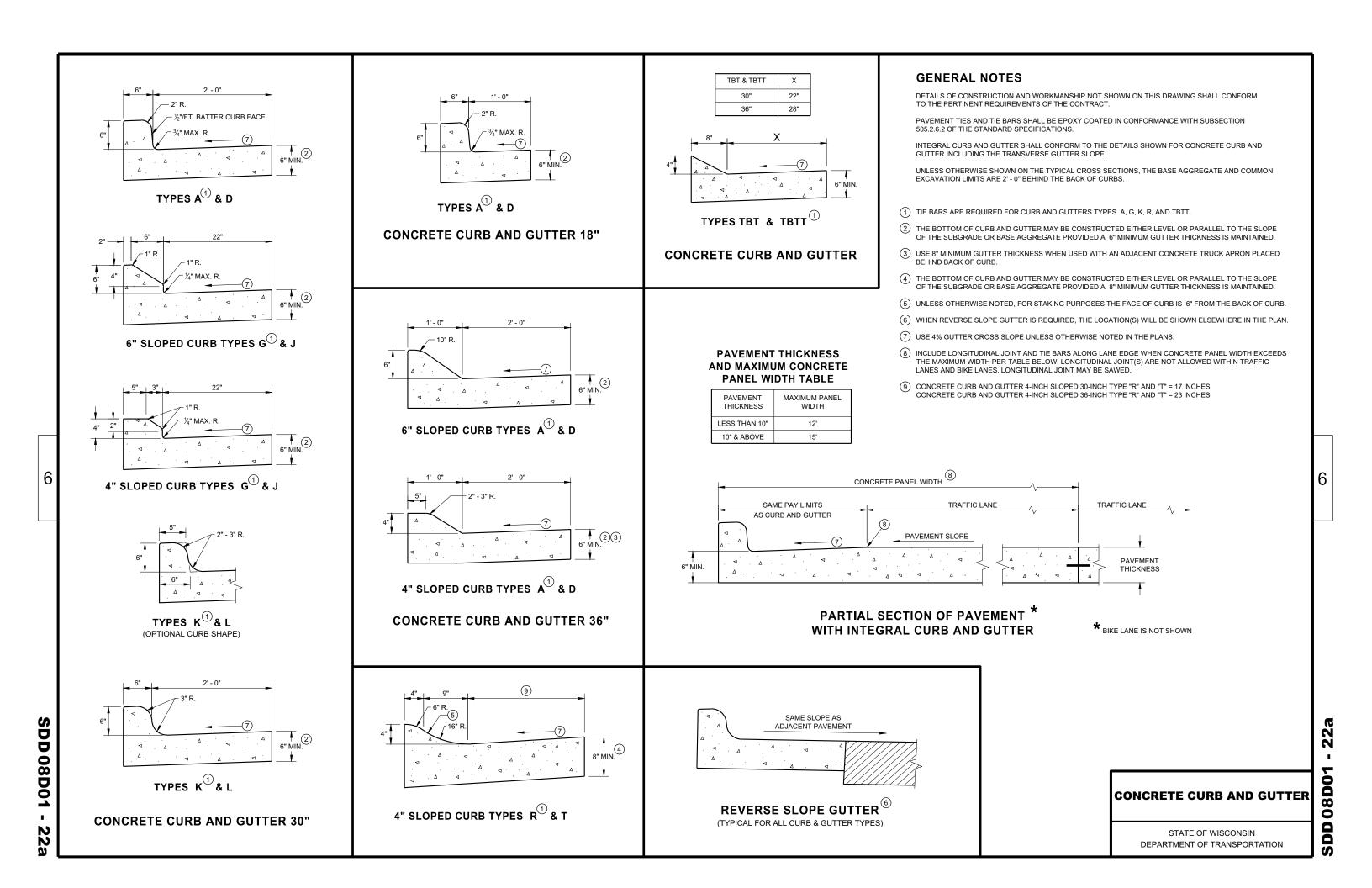






### Standard Detail Drawing List

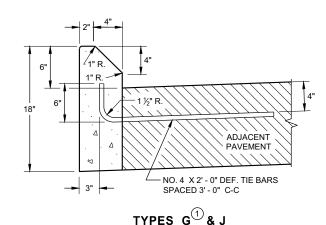
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
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
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-08A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-08B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
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
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D48-01	TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK



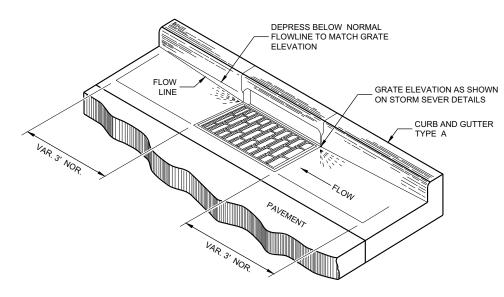
#### **DETAIL OF CURB AND GUTTER AT INLETS** (TYPICAL H INLET COVER SHOWN)

½"/FT. BATTER, FACE OF CURB (ABOVE ADJACENT PAVEMENT) ADJACENT PAVEMENT - NO. 4 X 2' - 0" DEF. TIE BARS

TYPES A D



**CONCRETE CURB** 



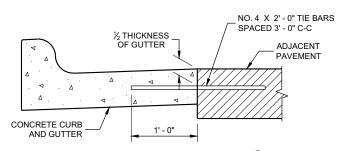
#### **GENERAL NOTES**

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

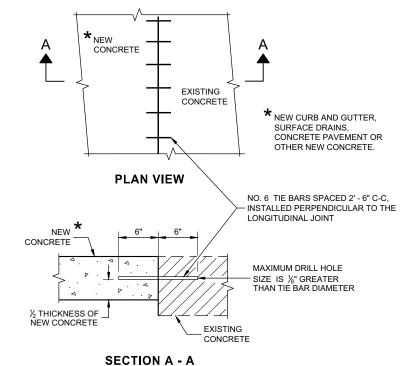
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

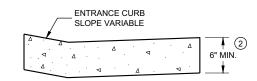
- 1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- 9 REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



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



**TIE BARS DRILLED** INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB® (WHEN DIRECTED BY THE ENGINEER)

#### **CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS**

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**08DO** 

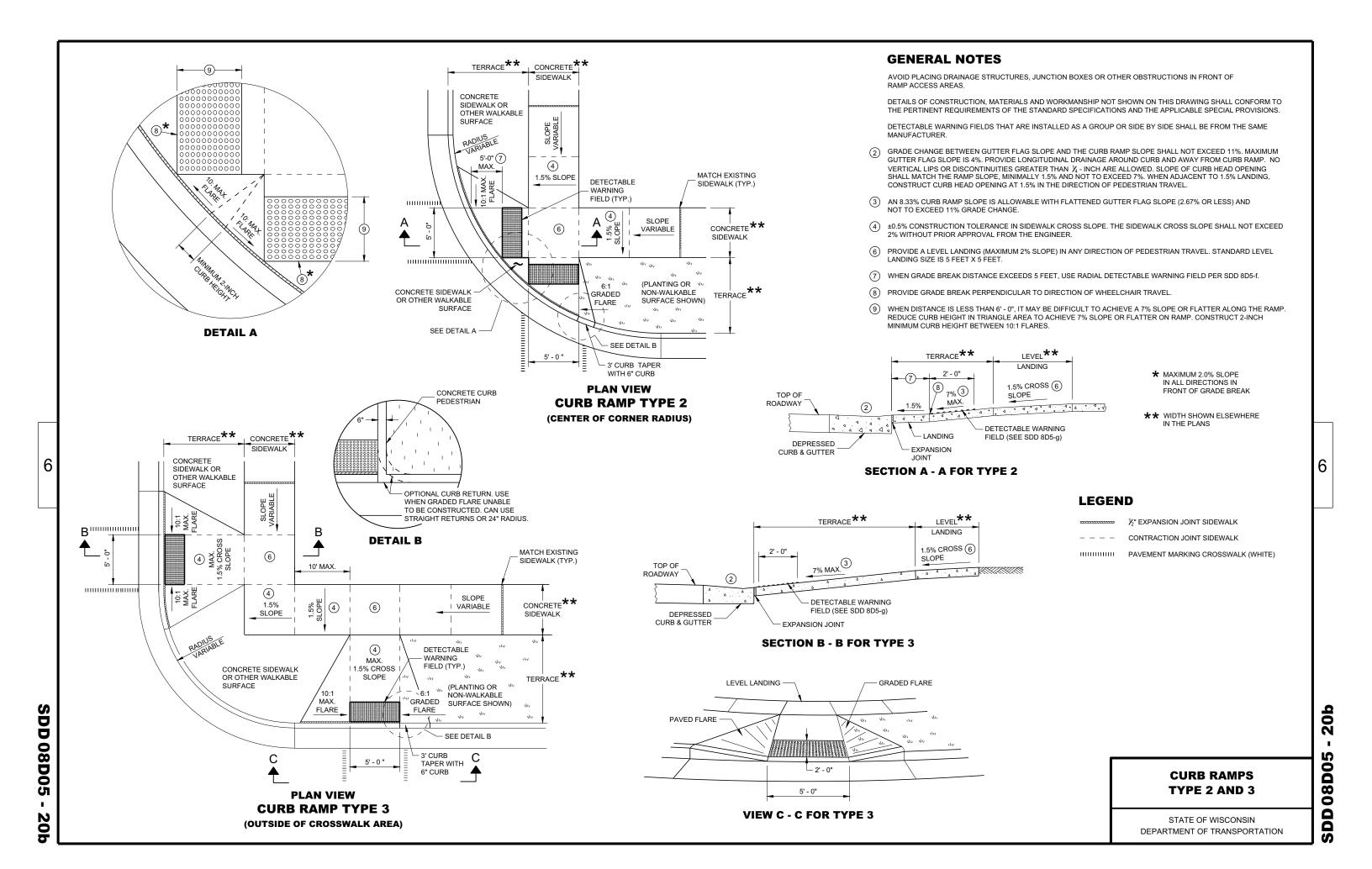
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED /S/ Rodnery Taylor
ROADWAY STANDARDS DEVELOPMENT
ENGINEER February 2021 DATE

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**080** 

DEPARTMENT OF TRANSPORTATION



**SDD 08D05** 

**20** 

08D0

SDD

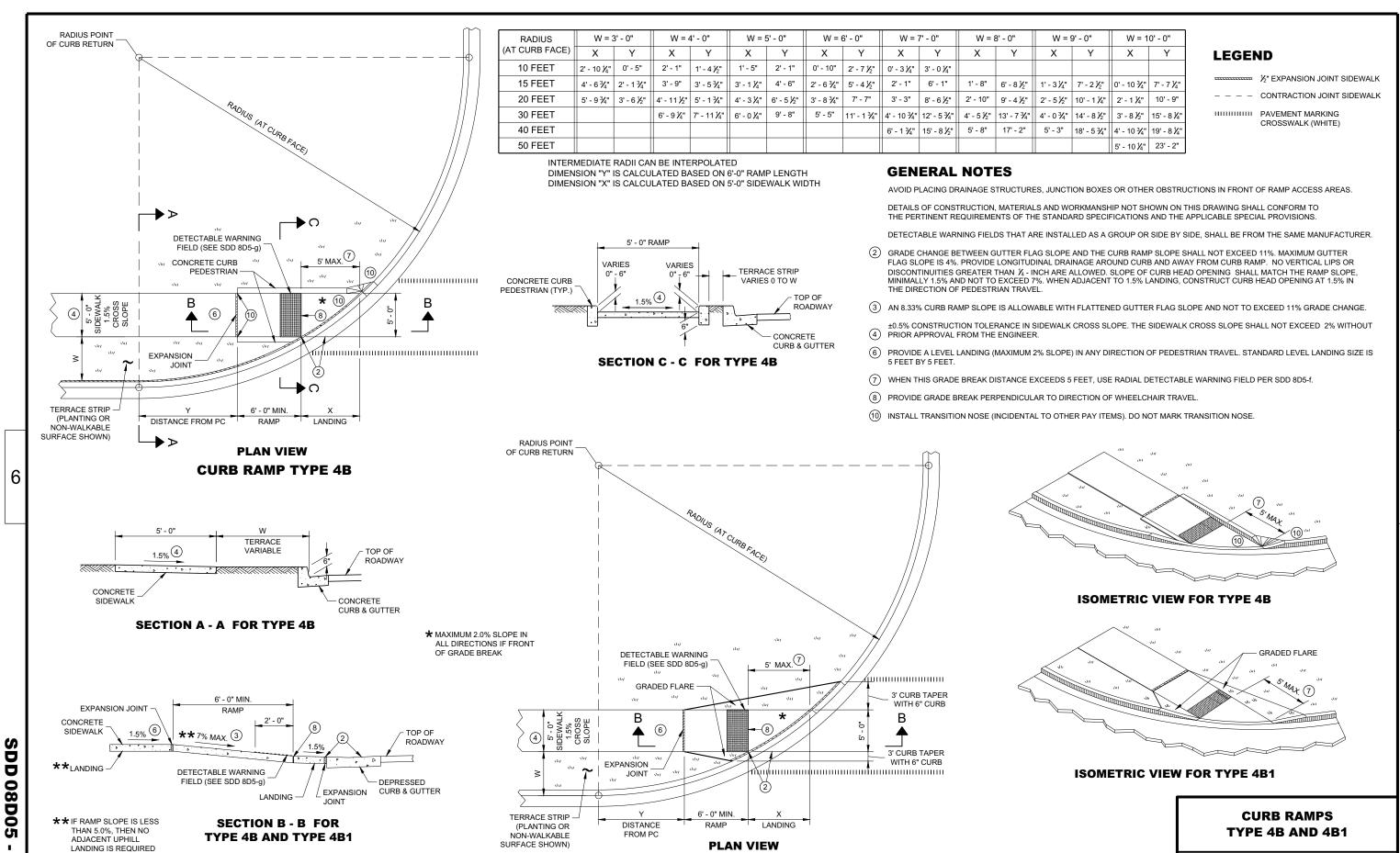
**ISOMETRIC VIEW FOR TYPE 4A** 

GRADED FLARE

**ISOMETRIC VIEW FOR TYPE 4A1** 

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



**CURB RAMP TYPE 4B1** 

**DD 08D05 - 20d** 

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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08D0

**SDD 08D05** 

**DEPRESSED CURB & GUTTER** 

\*\*\* MAXIMUM 8.33%

FIELD (SEE SDD 8D5-a)

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

IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO

LANDING IS REQUIRED

ADJACENT UPHILL

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08D05

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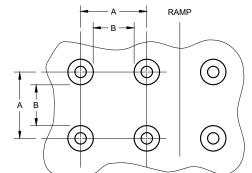
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RADIAL DETECTABLE WARNING **FIELD APPLICATIONS** 

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



**PLAN VIEW** 

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

MIN.

1.6"

0.65"

\*

0.9"

В

С

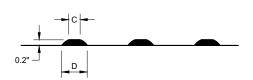
MAX.

2.4"

1.5"

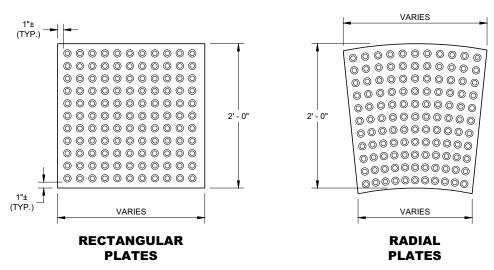
\*

1.4"

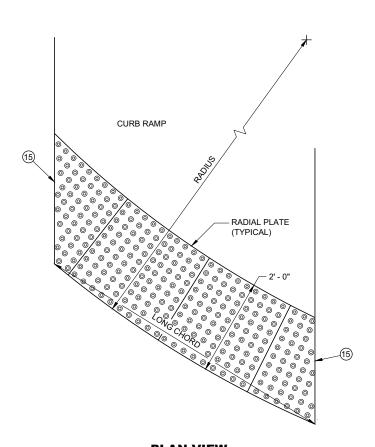


**ELEVATION VIEW** 

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



**PLAN VIEW 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

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

(15) 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

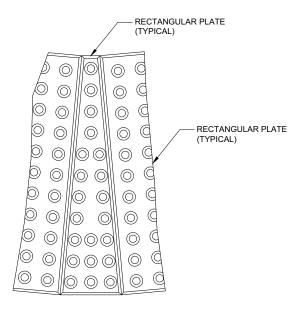
TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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** 



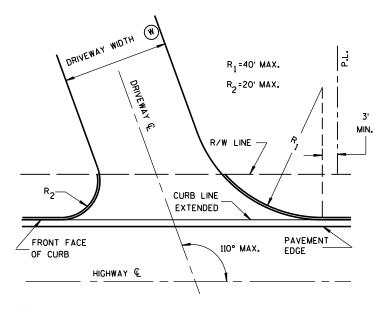
**PLAN VIEW RADIAL WEDGE PLATE CONNECTION DETAIL** 

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

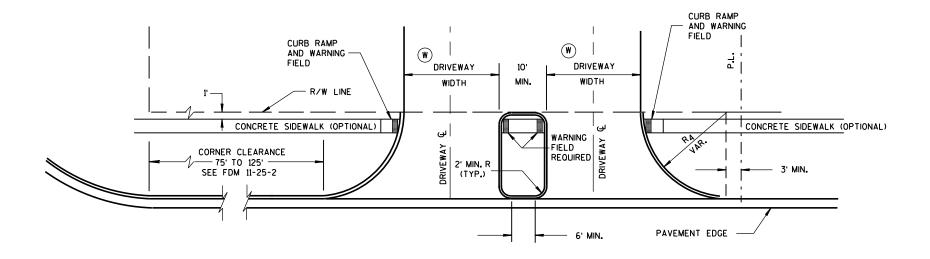
APPROVED

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



# SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



# DRIVEWAY LOCATION AND SPACING DETAILS SIDEWALK SHOWN

#### NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

W DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PPROVED

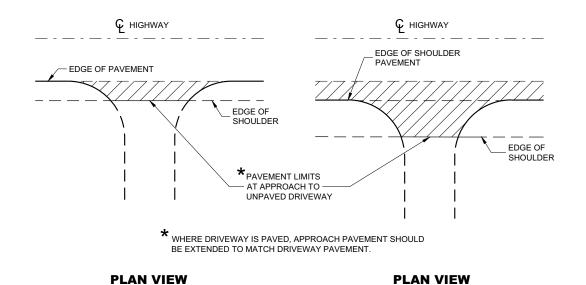
December, 2016 /S/ Rodney Taylor

DATE ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

S.D.D. 8 D 20-1

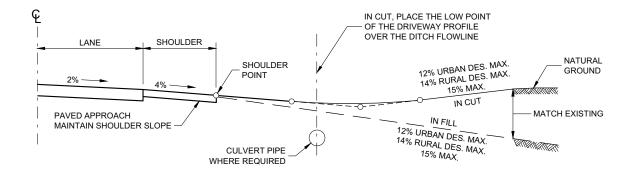
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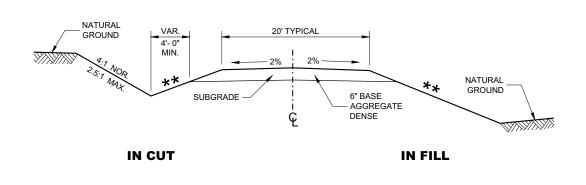


**RURAL DRIVEWAY INTERSECTION DETAIL** (NO CURB AND GUTTER OR SIDEWALK)

(PAVED SHOULDER ON HIGHWAY)

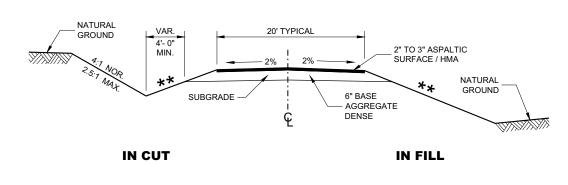


#### **TYPICAL DRIVEWAY PROFILES**



(UNPAVED SHOULDER ON HIGHWAY)

\*\* SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2 POSTED SPEED MAX. SLOPE MPH <35 4:1 ≥ 35 TO < 60 6:1 10:1 ≥60



**TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE** 

### PRIVATE DRIVE OR FIELD ENTRANCE **AGGREGATE SURFACE**

**TYPICAL CROSS SECTION FOR** 

#### **DRIVEWAYS WITHOUT CURB AND GUTTER**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

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08D21

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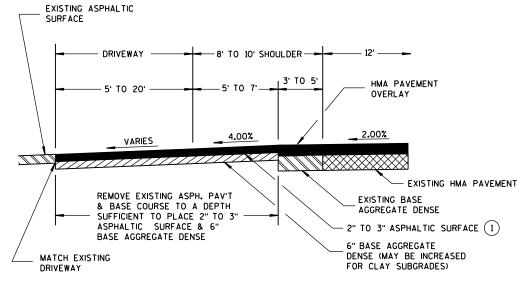
SDD 08D21

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December 2017 DATE

#### GENERAL NOTES

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



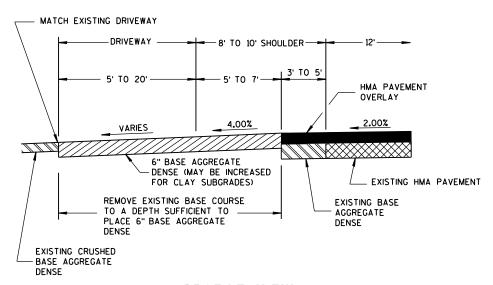
**PLAN VIEW** 

HALF SECTION

PROFILE VIEW

## RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS



PLAN VIEW HALF SECTION

PROFILE VIEW

# RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE RESURFACING PROJECTS

DRIVEWAYS WITHOUT
CURB & GUTTER
RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

December. 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

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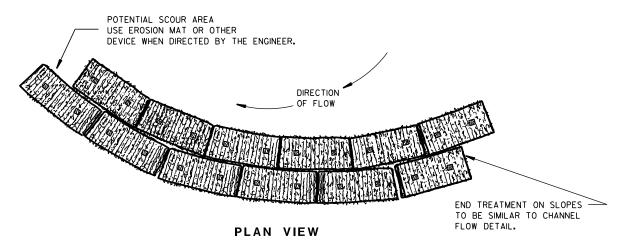
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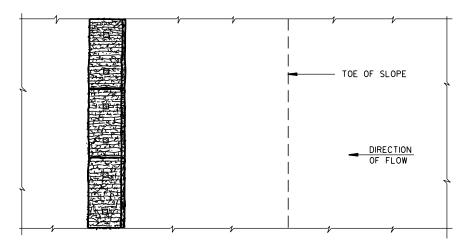
#### **GENERAL NOTES**

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

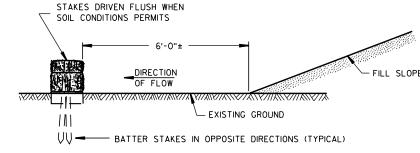
1 TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



#### PLAN VIEW



#### FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

**EROSION BALES FOR SHEET FLOW** 

# TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02
DATE / CHIEF ROADWAY DEVELOPMENT ENGINEER

8 E 8-3

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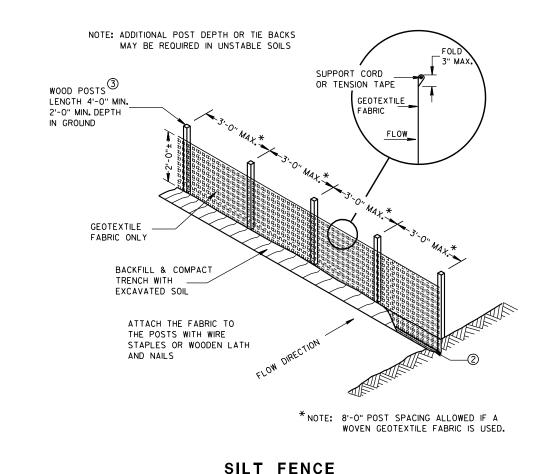
### TYPICAL APPLICATION OF SILT FENCE

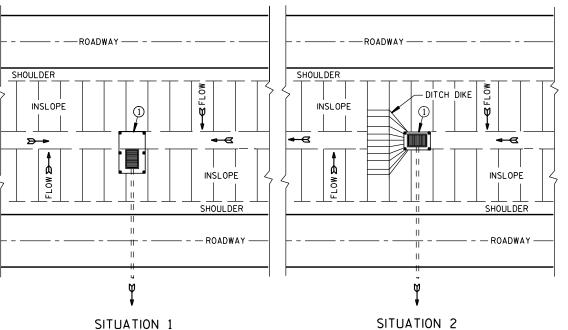
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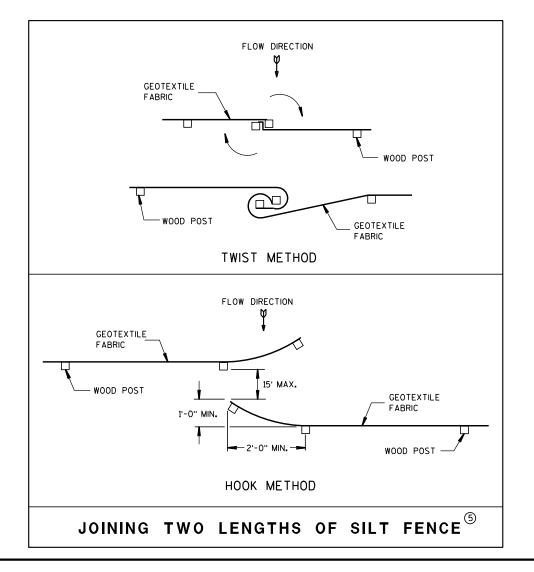
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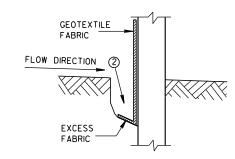
# PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



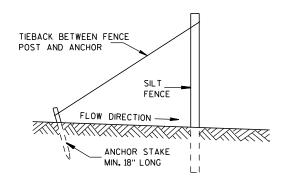
#### GENERAL NOTES

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

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



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

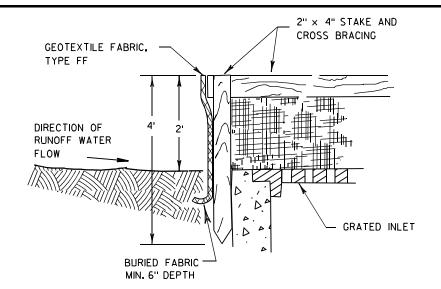
SILT FENCE

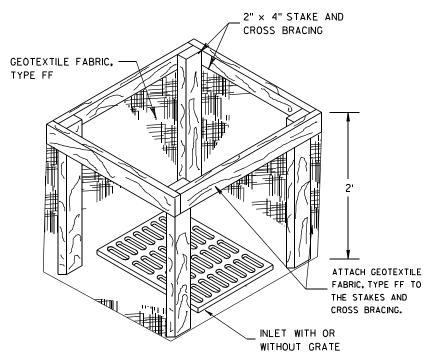
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

**APPROVED** 4-29-05

/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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INLET PROTECTION, TYPE A

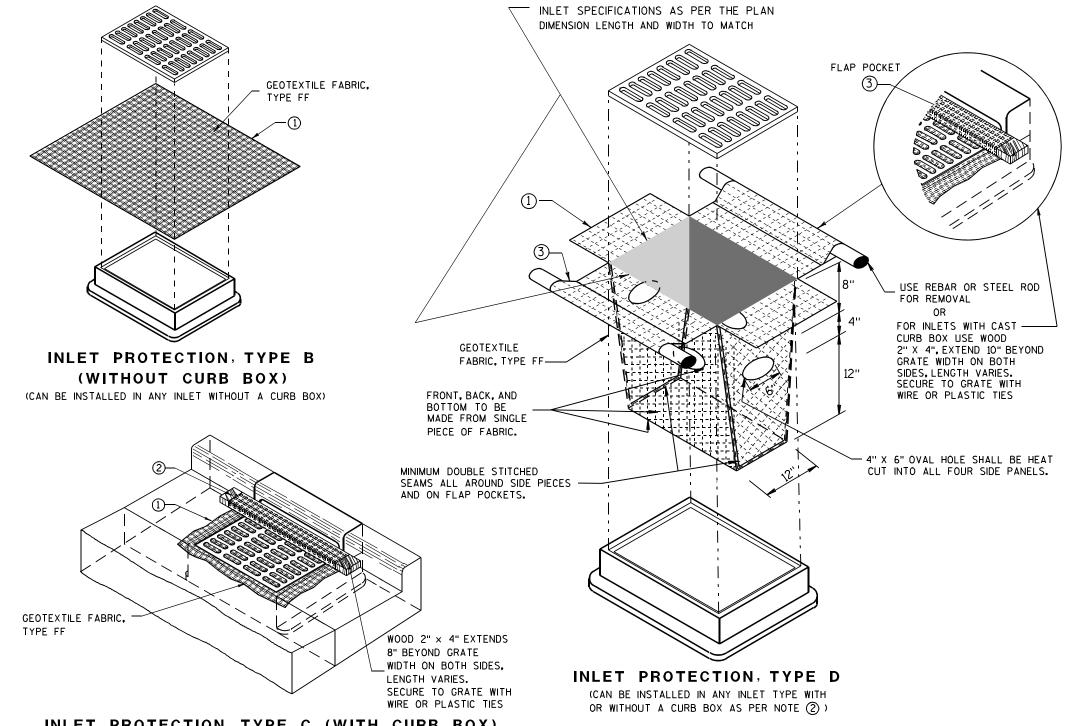
#### **GENERAL NOTES**

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 6

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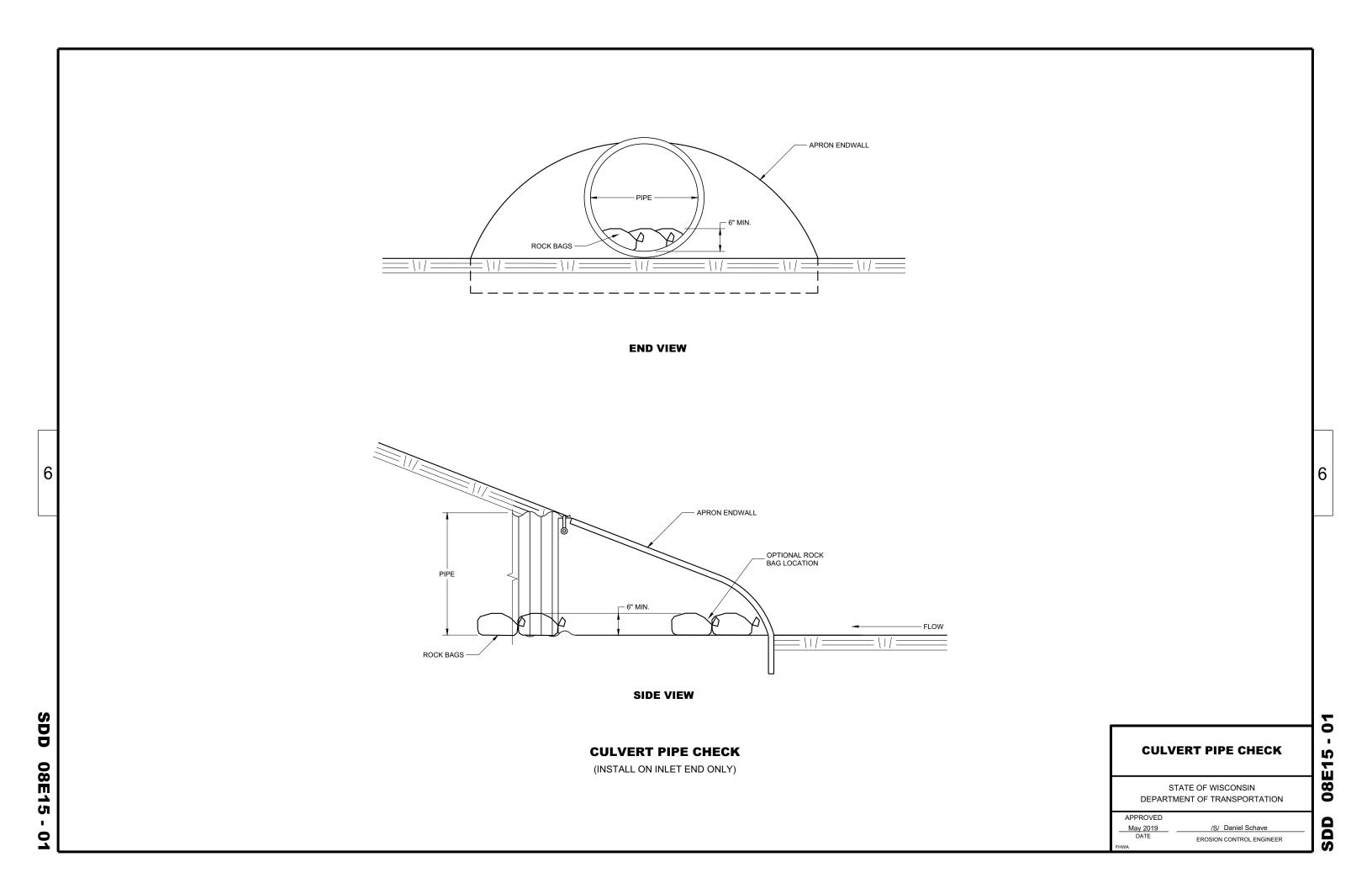
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02 /S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER



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END CORNER

1/16" DIA. HOLES FOR

BOLTS OR RIVETS -

12" C-C MAX. SPACING

METAL APRON ENDWALLS											
PIPE	MIN. THICK.		DIMENSIONS (Inches)							APPROX.	
DIA.			Α	В	Н	L	Lj	L <sub>2</sub>	W	SLOPE	BODY
(IN.)	STEEL	ALUM.	(±1")	(MAX.)	(±1")	(±1 ½")	1	1	(±2")	3E0. E	
12	.064	.060	6	6	6	21	12	171/2	24	21/2+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1Pc.
18	.064	.060	8	10	6	31	15	28 <sup>1</sup> / <sub>4</sub>	36	$2\frac{1}{2}$ to 1	1Pc.
21	.064	.060	9	12	6	36	18	29%	42	$2\frac{1}{2}$ to 1	1Pc.
24	.064	<b>.</b> 075	10	13	6	41	18	371/4	48	$2\frac{1}{2}$ to 1	1Pc.
30	.079	<b>.</b> 075	12	16	8	51	18	521/4	60	2½+o 1	1Pc.
36	.079	<b>.</b> 105	14	19	9	60	24	59¾	72	2½+o 1	2 Pc.
42	.109	<b>.</b> 105	16	22	11	69	24	75%	84	$2\frac{1}{2}$ to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 <sup>1</sup> / <sub>4</sub> +o 1	3 Pc.
54	.109	<b>.</b> 105	18	30	12	84	30	851/2	102	21/4+0 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	11/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	_	_	150	11/2 to 1	3 Pc.

\* EXCEPT CENTER PANEL

SEE GENERAL NOTES

PLAN VIEW

END VIEW

SIDE ELEVATION

METAL ENDWALLS

SHOULDER

SLOPE

	REINFORCED CONCRETE APRON ENDWALLS							
PIPE			APPROX.					
DIA.	Т	A	В	С	D	E	G	SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	$2\frac{1}{2}$	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	491/2	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193⁄4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2	27	65	* ** 331/4-35	* 98 <sup>1</sup> / <sub>4</sub> - 100	90	51/2	2% to 1
60	6	* ** 30-35	60	39	99	96	5	2 to 1
66	61/2	* * * 24-30	* ** 72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	1½+0 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

\*MINIMUM

\*\*MAXIMUM

PLAN

END VIEW

END SECTION

GROOVED END ON OUTLET END SECTION TONGUE END ON INLET END SECTION

BAR OR STEEL FABRIC

REINFORCEMENT

LONGITUDINAL SECTION

CONCRETE ENDWALLS

OPTIONAL

1 1/2" R

CULVERT

MEASURED LENGTH

OF CULVERT (TO-

NEAREST FOOT)

DESIGN

REINFORCED

SECTION A-A)

END CORNER PLATES MAY

BE FASTENED TO APRON

THE SURFACES TIGHTLY

TOGETHER

PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD

TOE PLATE (SAME THICKNESS

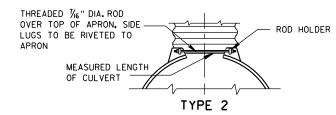
AND METAL AS APRON) SHALL

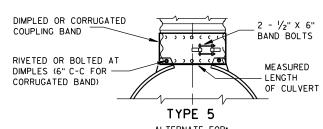
BE FURNISHED WHEN CALLED

FOR ON THE PLANS

FDGE (SFE

LUG MEASURED LENGTH OF CULVERT





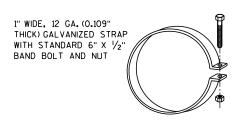
ALTERNATE FOR: ALL SIZES CORRUGATED CIRCULAR PIPE

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

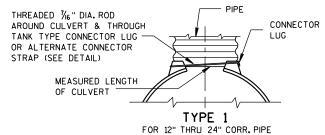
ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

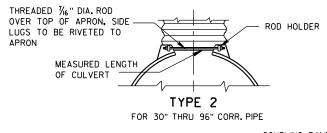
CONNECTION DETAILS 1, 2 OR 5.

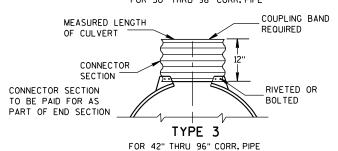
FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

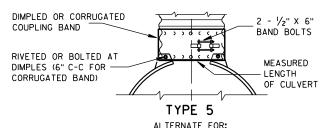


#### ALTERNATE FOR TYPE 1 CONNECTION END SECTION CONNECTOR STRAP





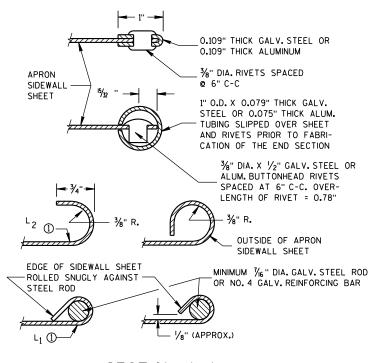




FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE

FOR HELICALLY CORRUGATED PIPE USE ENDWALL

CONNECTION DETAILS



### SECTION A-A

#### GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

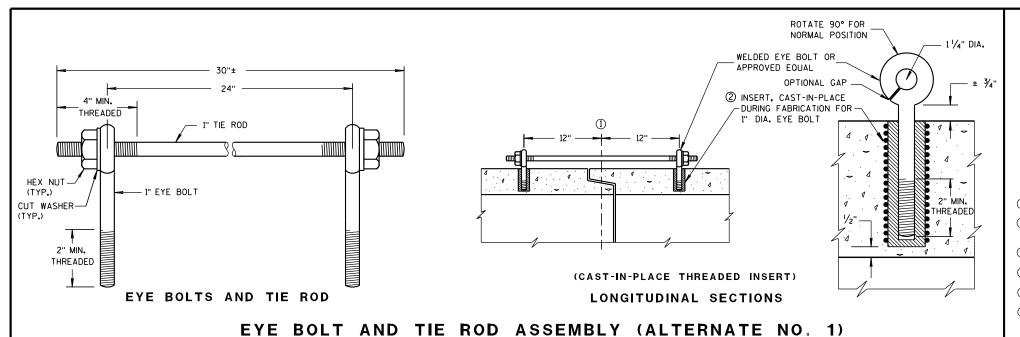
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

### APRON ENDWALLS FOR CULVERT PIPE STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER



#### **GENERAL NOTES**

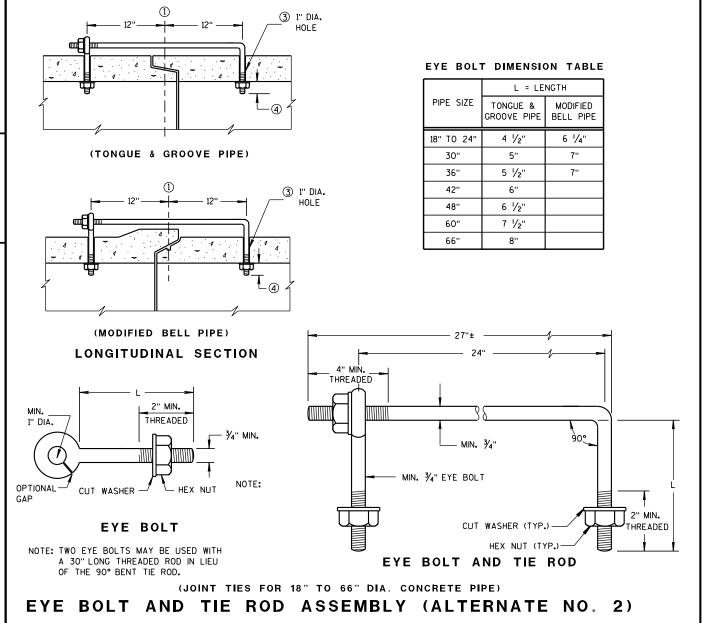
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

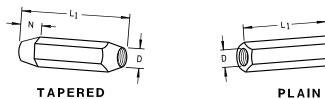
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

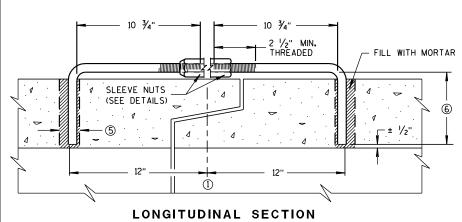
- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$  HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM  ${\mathfrak C}$  OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN  $rac{1}{2}$  INCH OF THE INNER SURFACE OF THE PIPE.



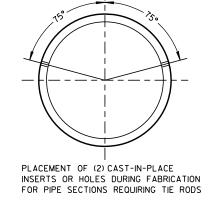
### ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES



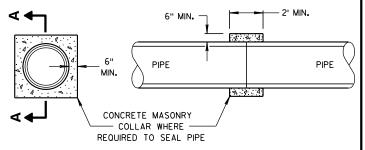
RIGHT AND LEFT THREADS **SLEEVE NUTS** 



(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE) ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



TRANSVERSE SECTION



SECTION A-A

#### CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

6/5/2012 DATE

/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

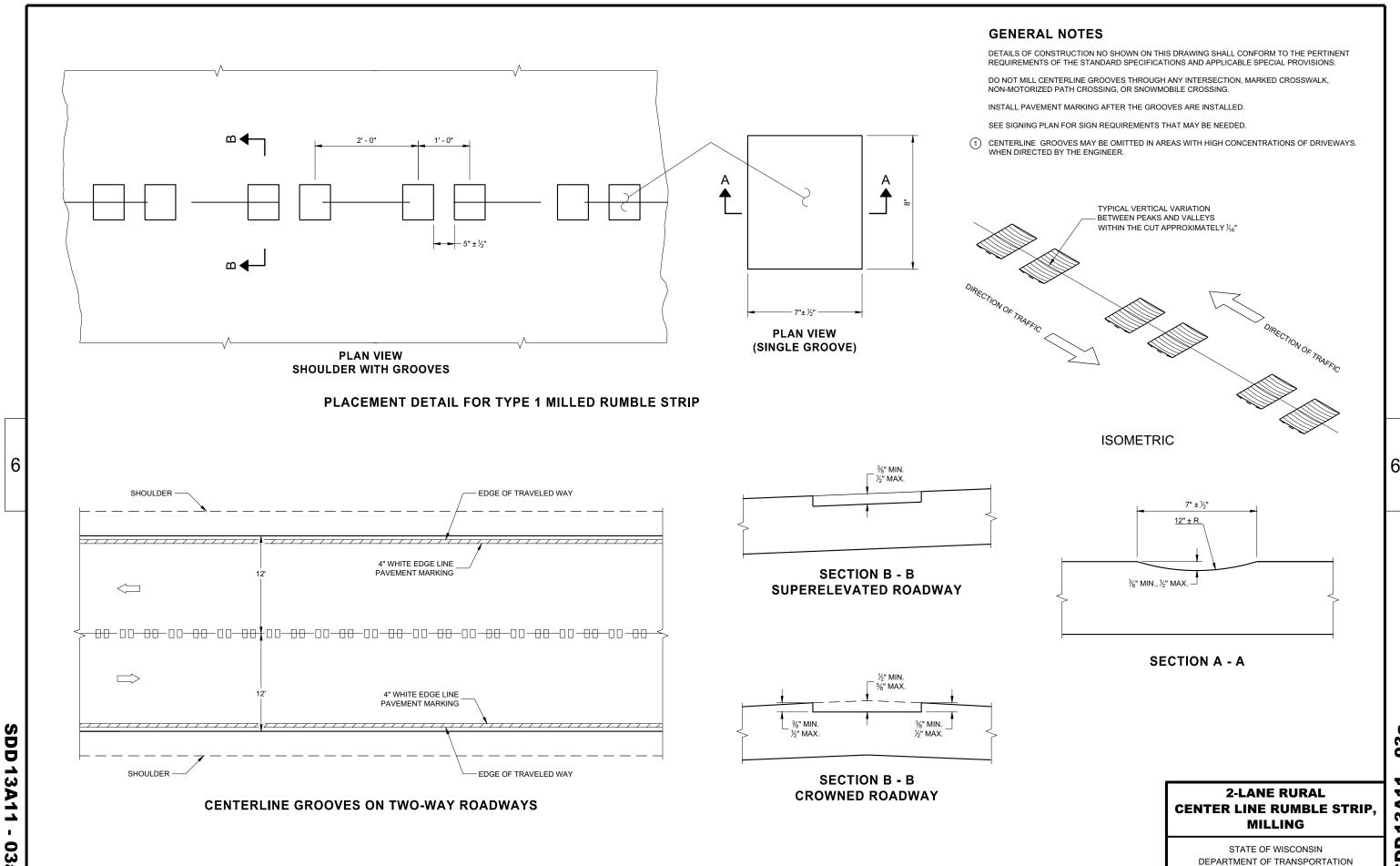
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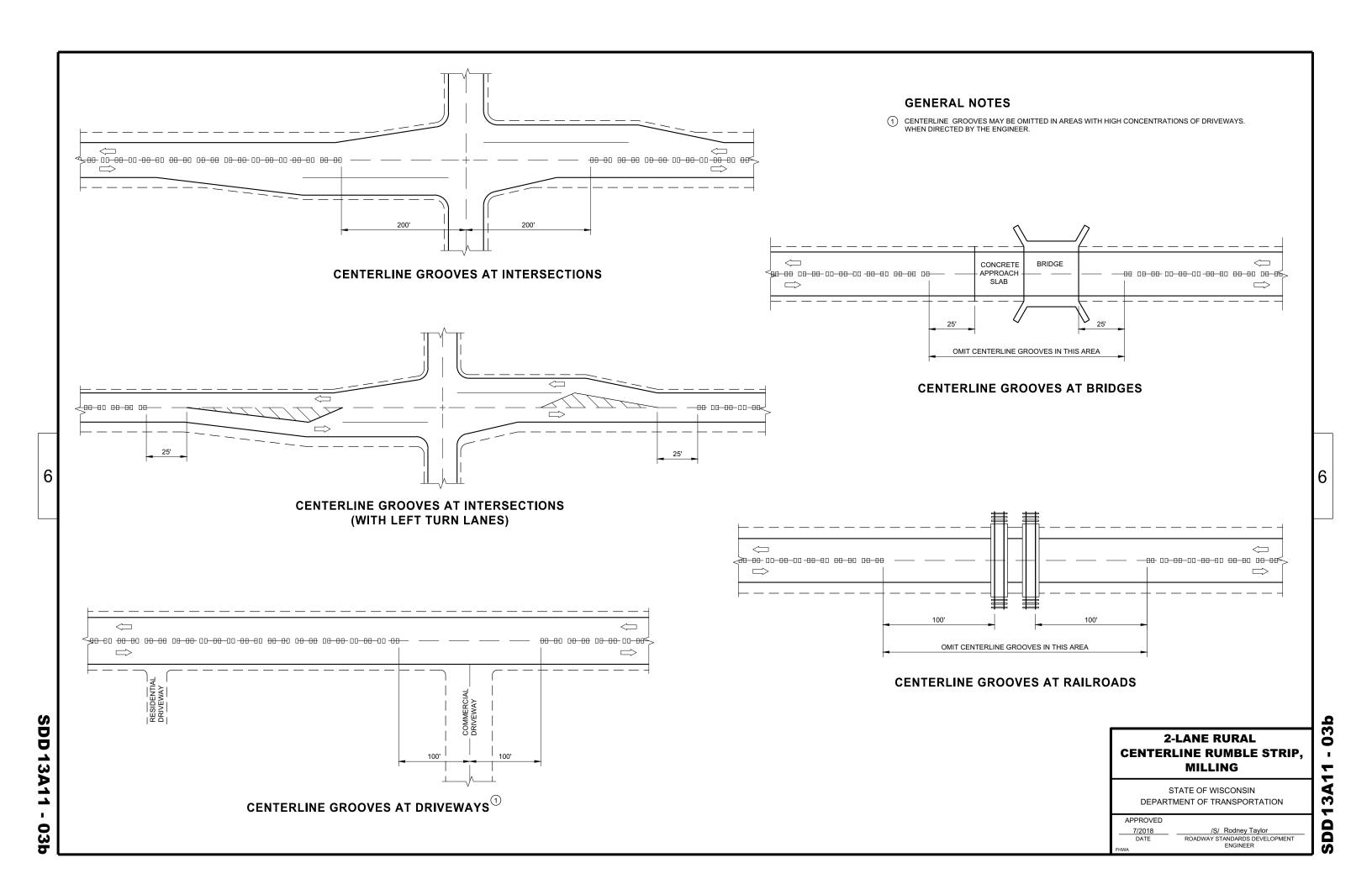
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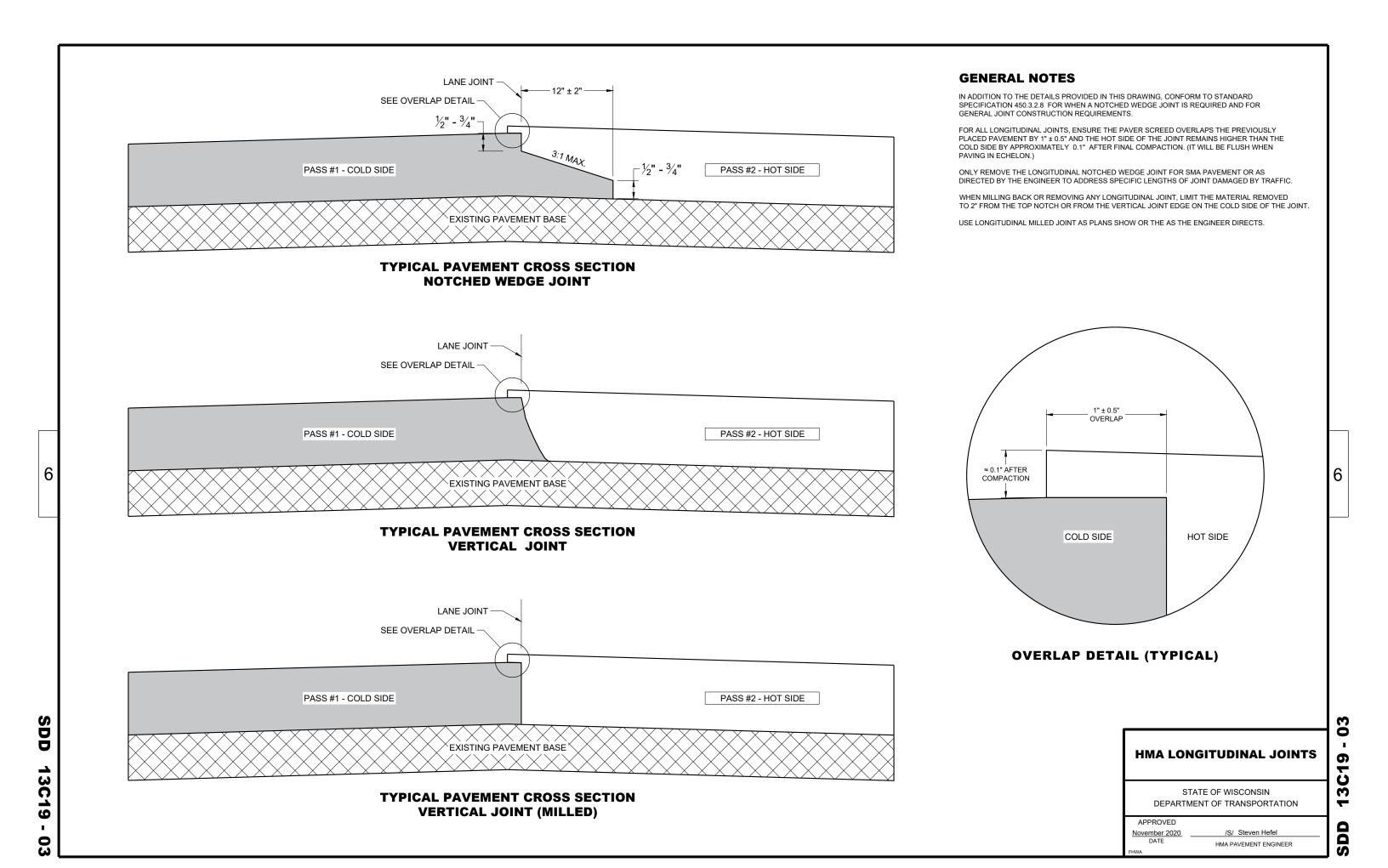
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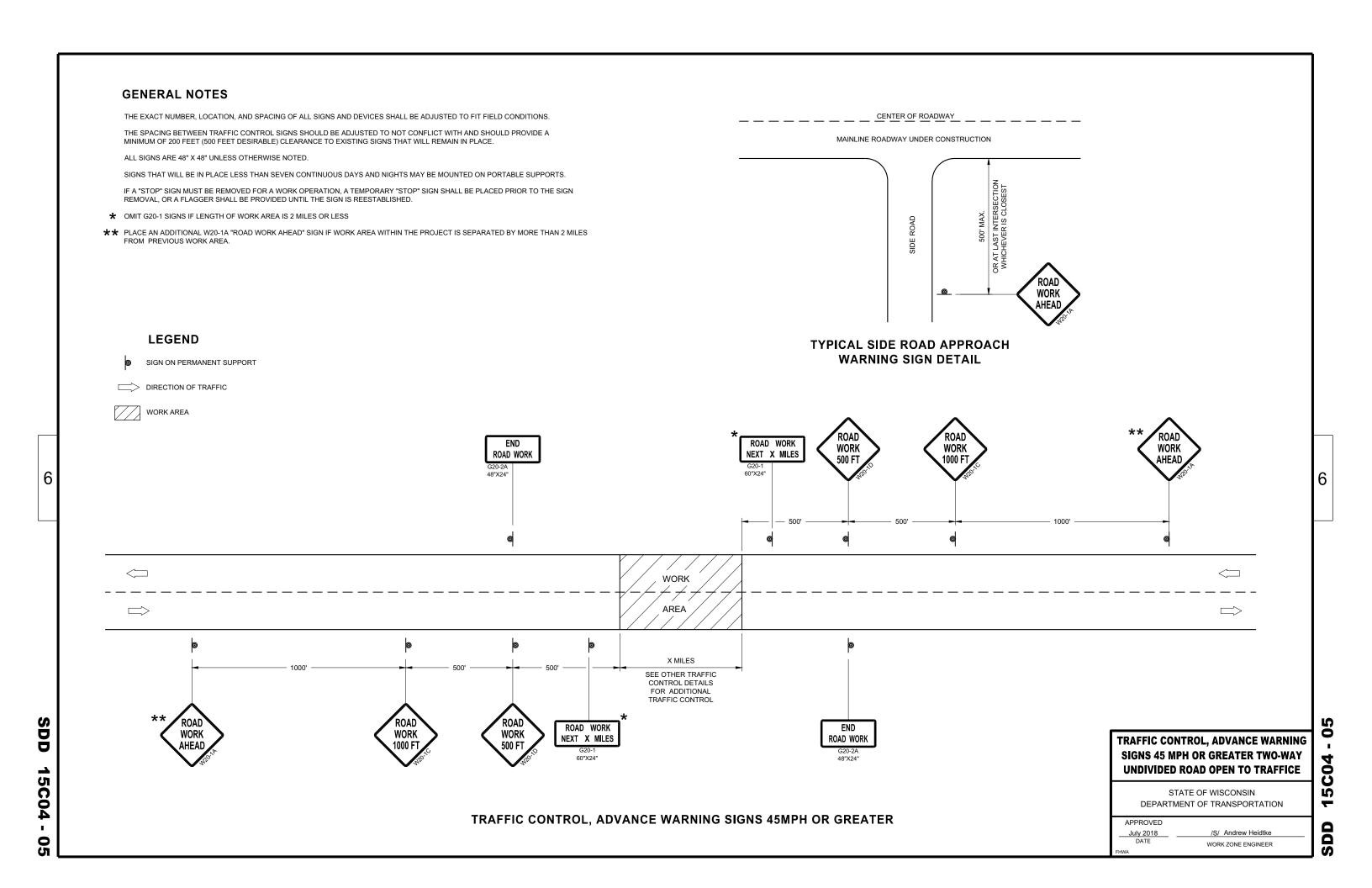
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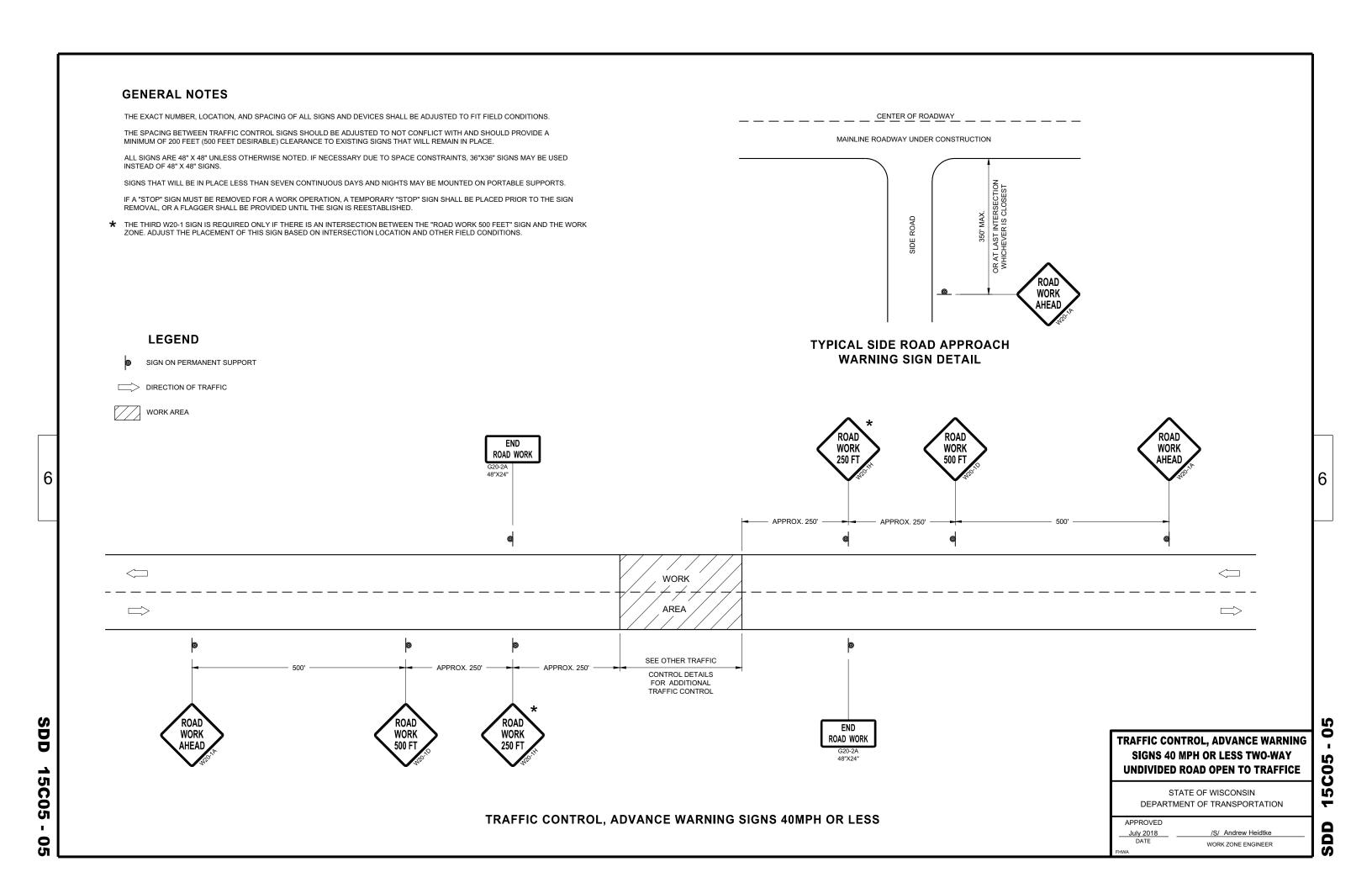


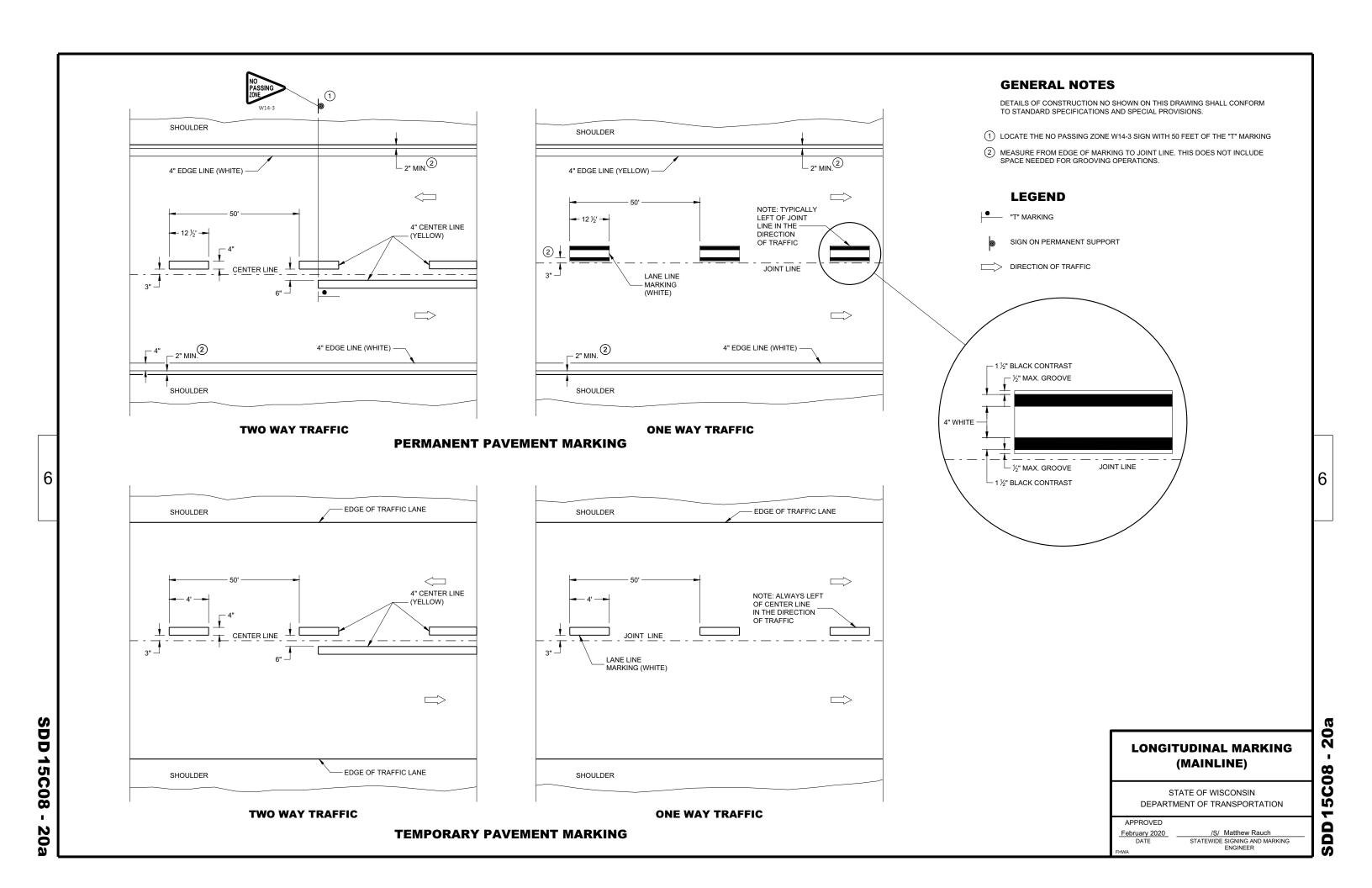
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DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

#### **CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

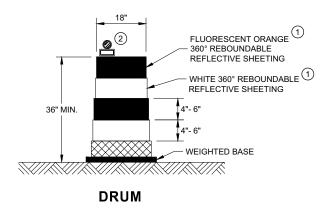
APPROVED

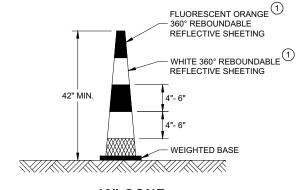
November 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

Ŋ SDD

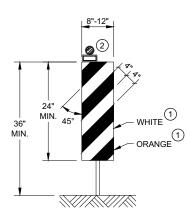
#### **GENERAL NOTES**

- (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.

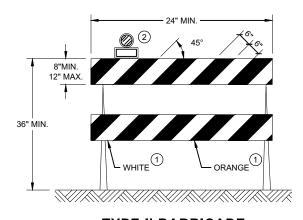




**42" CONE** DO NOT USE IN TAPERS 1/2 SPACING OF DRUMS

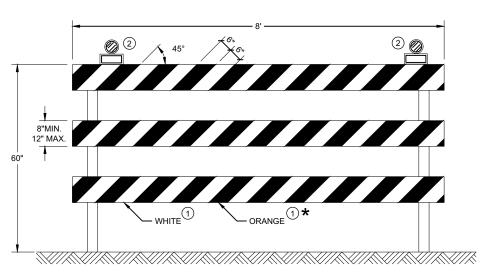


#### **VERTICAL PANEL** THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



#### **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**

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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

RUMBLE

STRIPS

ROAD

WORK

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

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

**FLAGGING OPERATION** STATE OF WISCONSIN

2

S

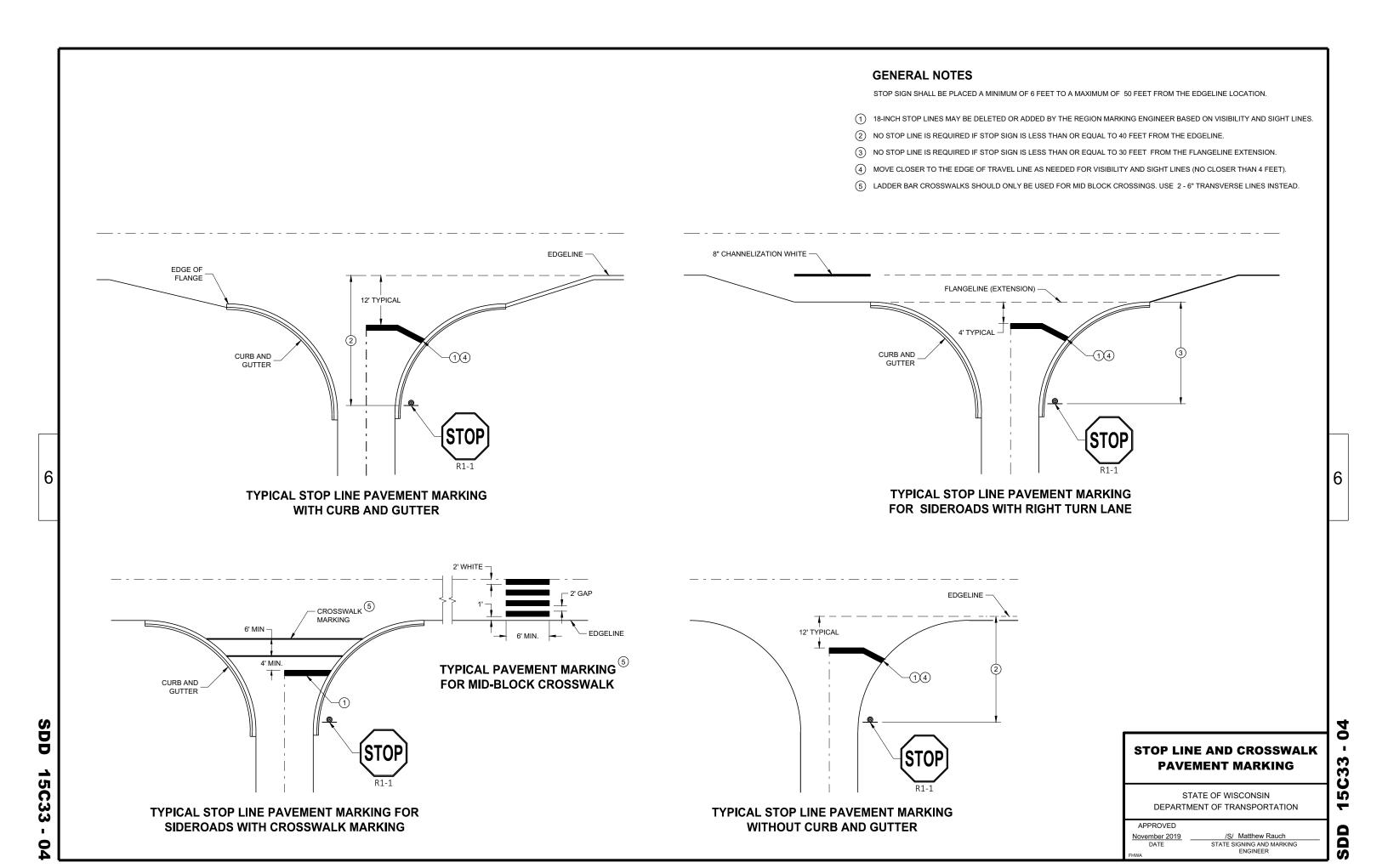
TRAFFIC CONTROL FOR

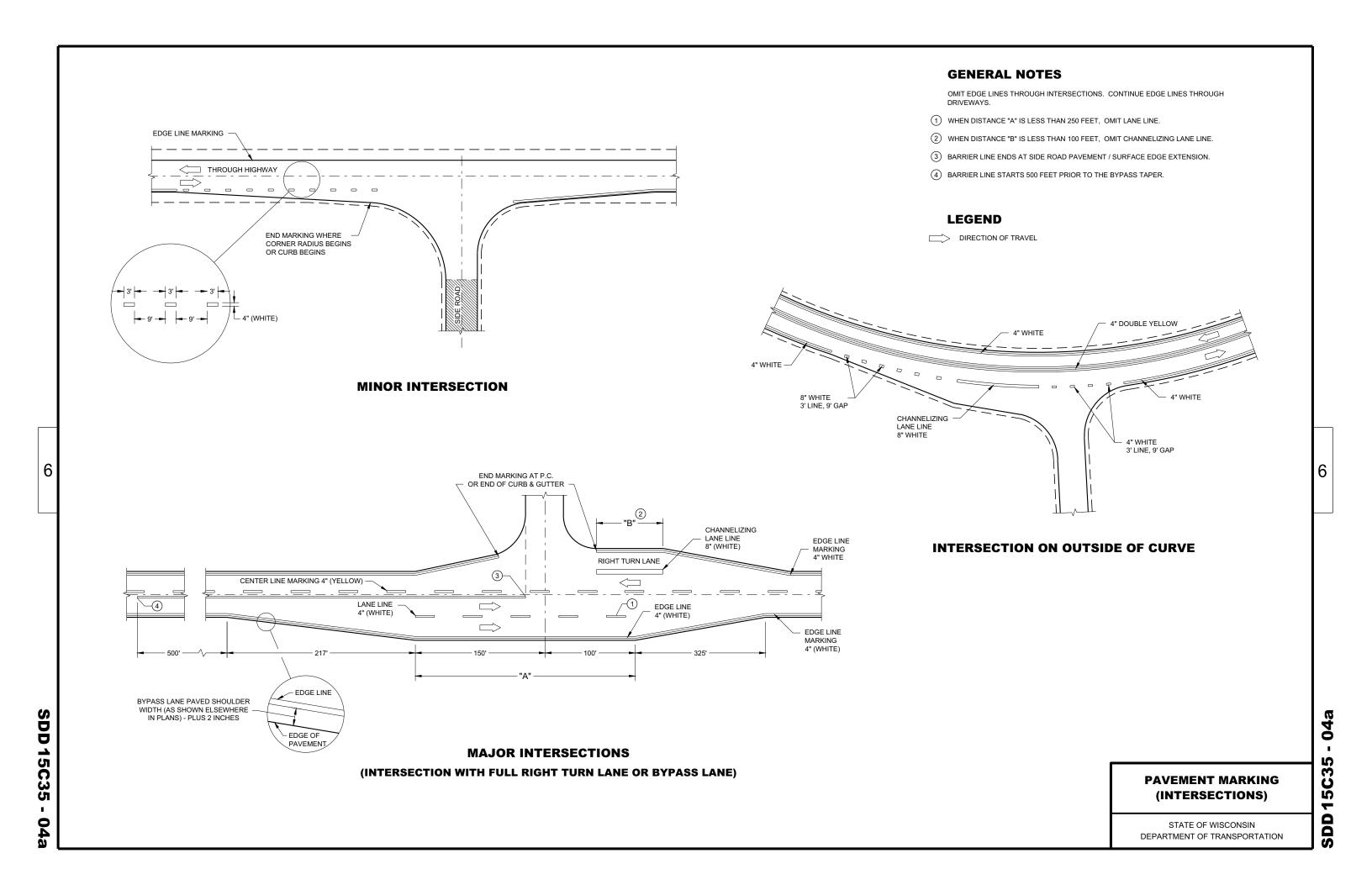
LANE CLOSURE WITH

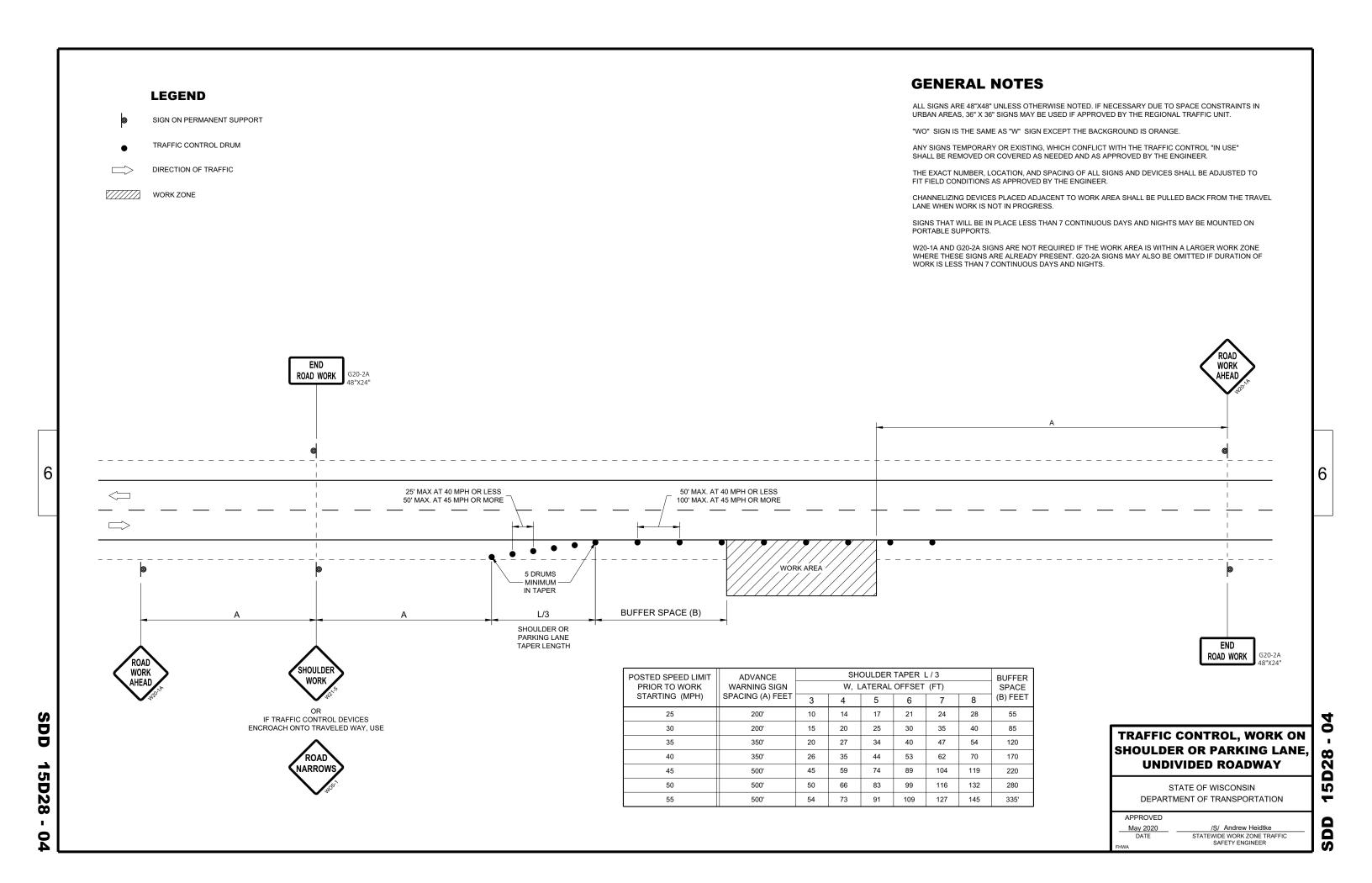
DEPARTMENT OF TRANSPORTATION

APPROVED May 2019 DATE WORK ZONE ENGINEER

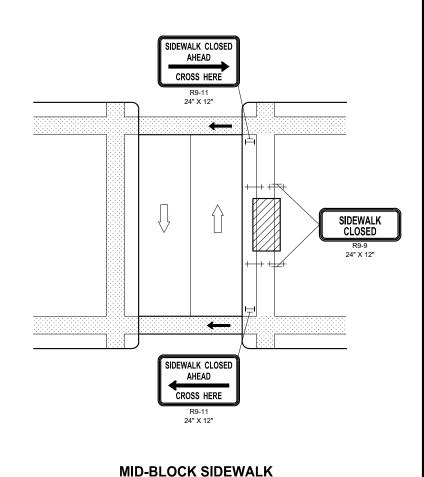
SDD 15C19 - 06a

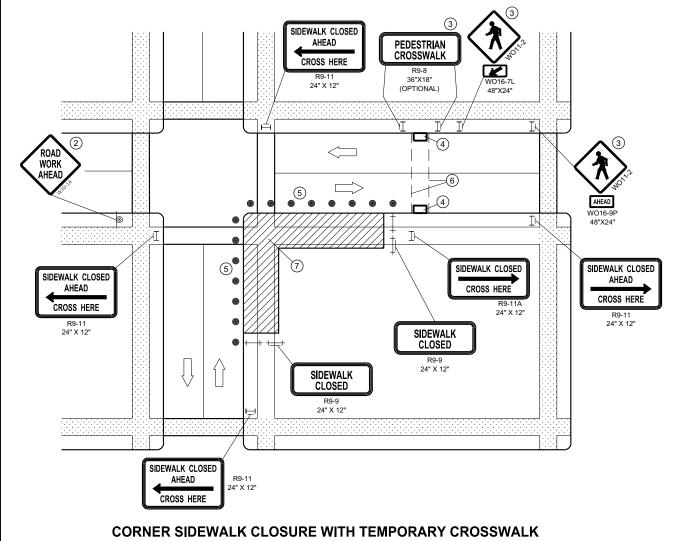






6a





#### **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 WITH/WITHOUT 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

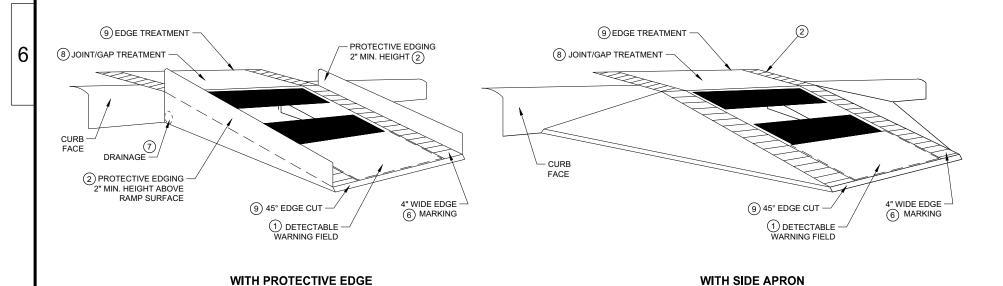
4" WIDE EDGE MARKING (6)

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

CROSS SLOPE 2% MAX. (4)

PROTECTIVE EDGING 2" MIN. HEIGHT

ABOVE RAMP SURFACE (2)



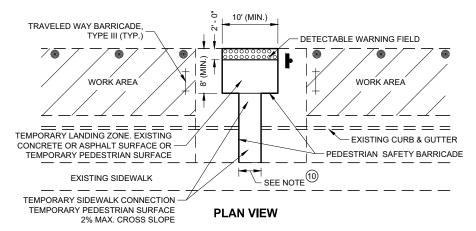
#### TEMPORARY CURB RAMP PERPENDICULAR TO CURB

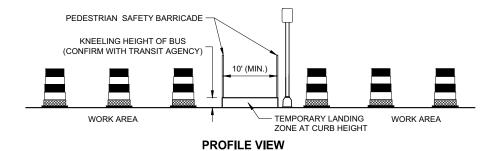
#### **GENERAL NOTES**

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 "e".
- (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".
- (1) 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.





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

#### **LEGEND**



### TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

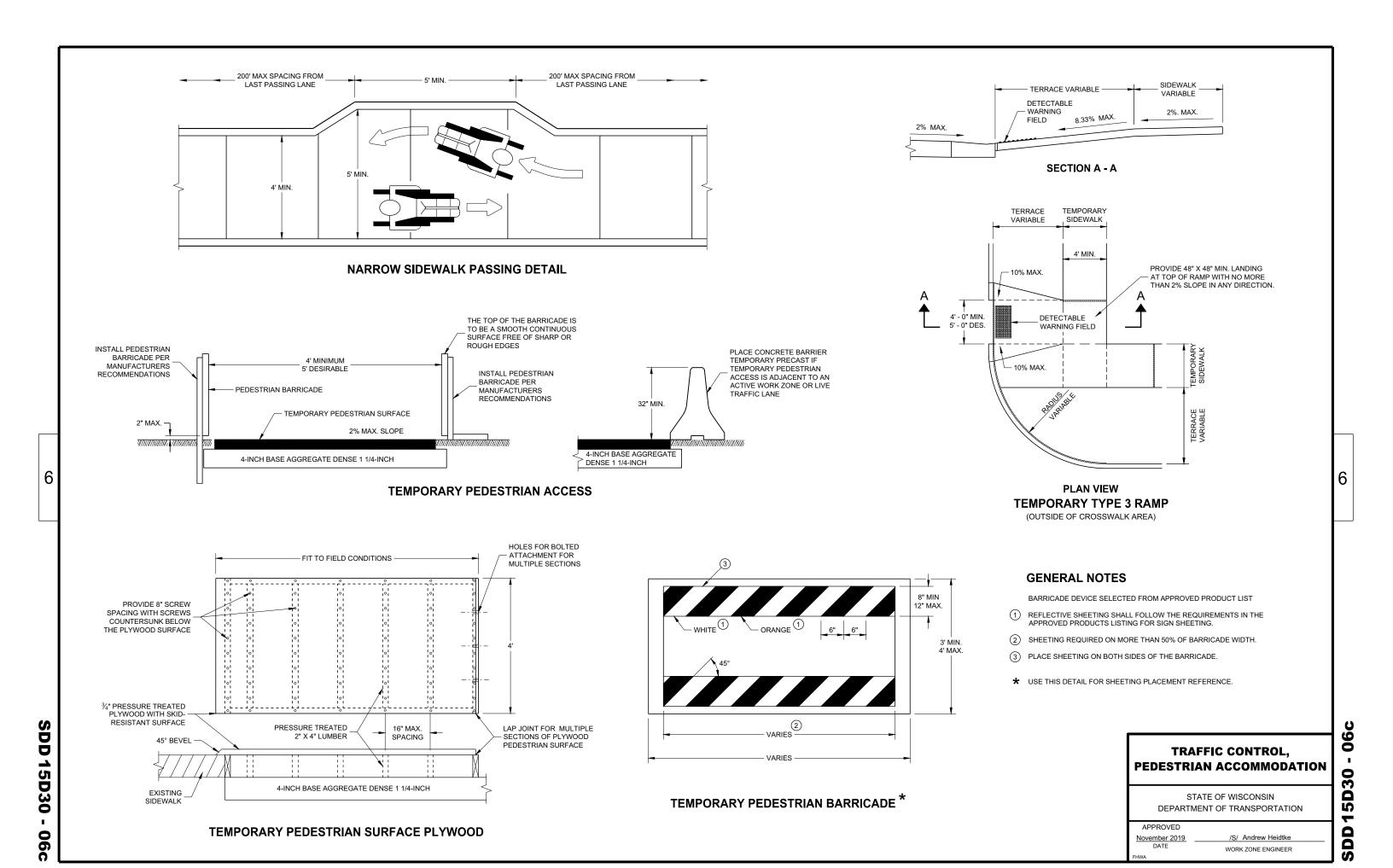
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

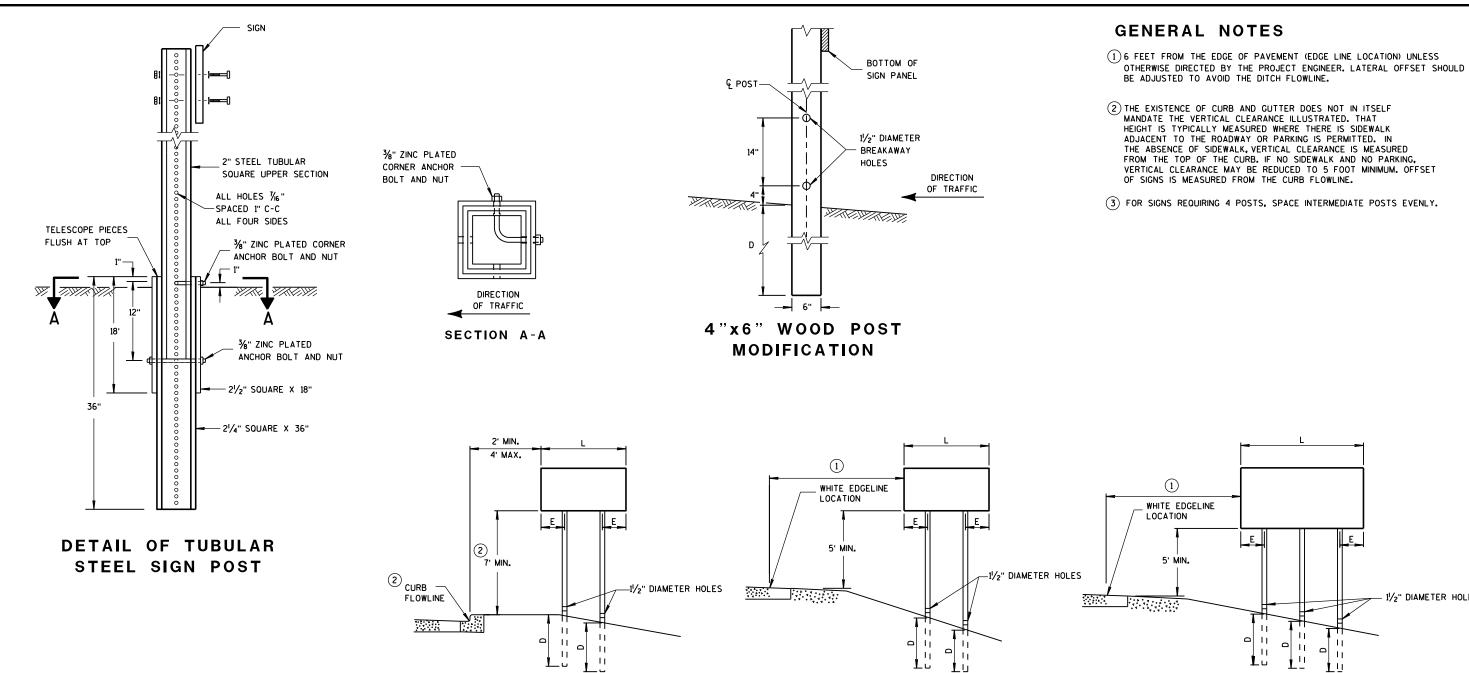
SDD 15D30 - 06

(5) CLEAR SPACE

(9) EDGE TREATMENT

SDD 15D30 - 06b





TUBULAR STEEL POSTS

6

D

D

15

D

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AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

RURAL AREA

# POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

AREA OF SIGN INSTALLATION (SO. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	MENTS	NUMBER OF	
L	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	,
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

6

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- 11/2" DIAMETER HOLES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

-11

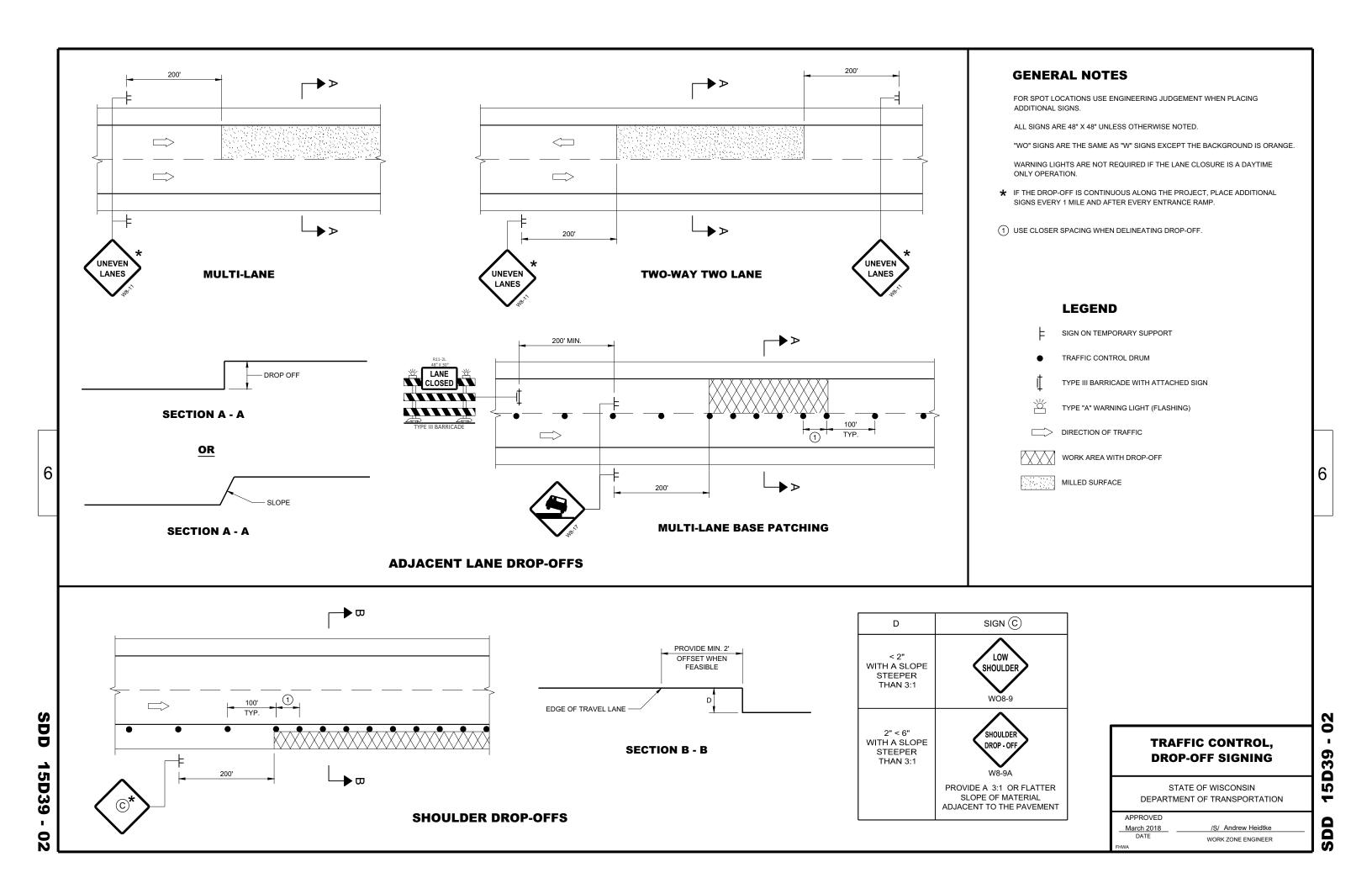
S

DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

APPROVED

June 2017 DATE



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

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

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

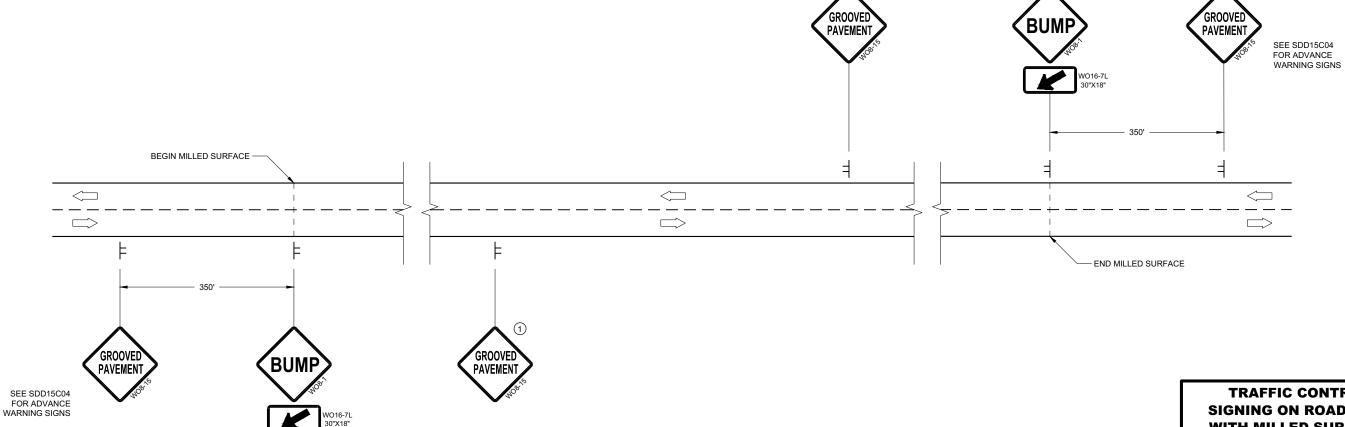
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE

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

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

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

DIRECTION OF TRAFFIC



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

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

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

**TYPICAL SIDE ROAD APPROACH SIGN DETAIL** 

**PAVEMENT** 

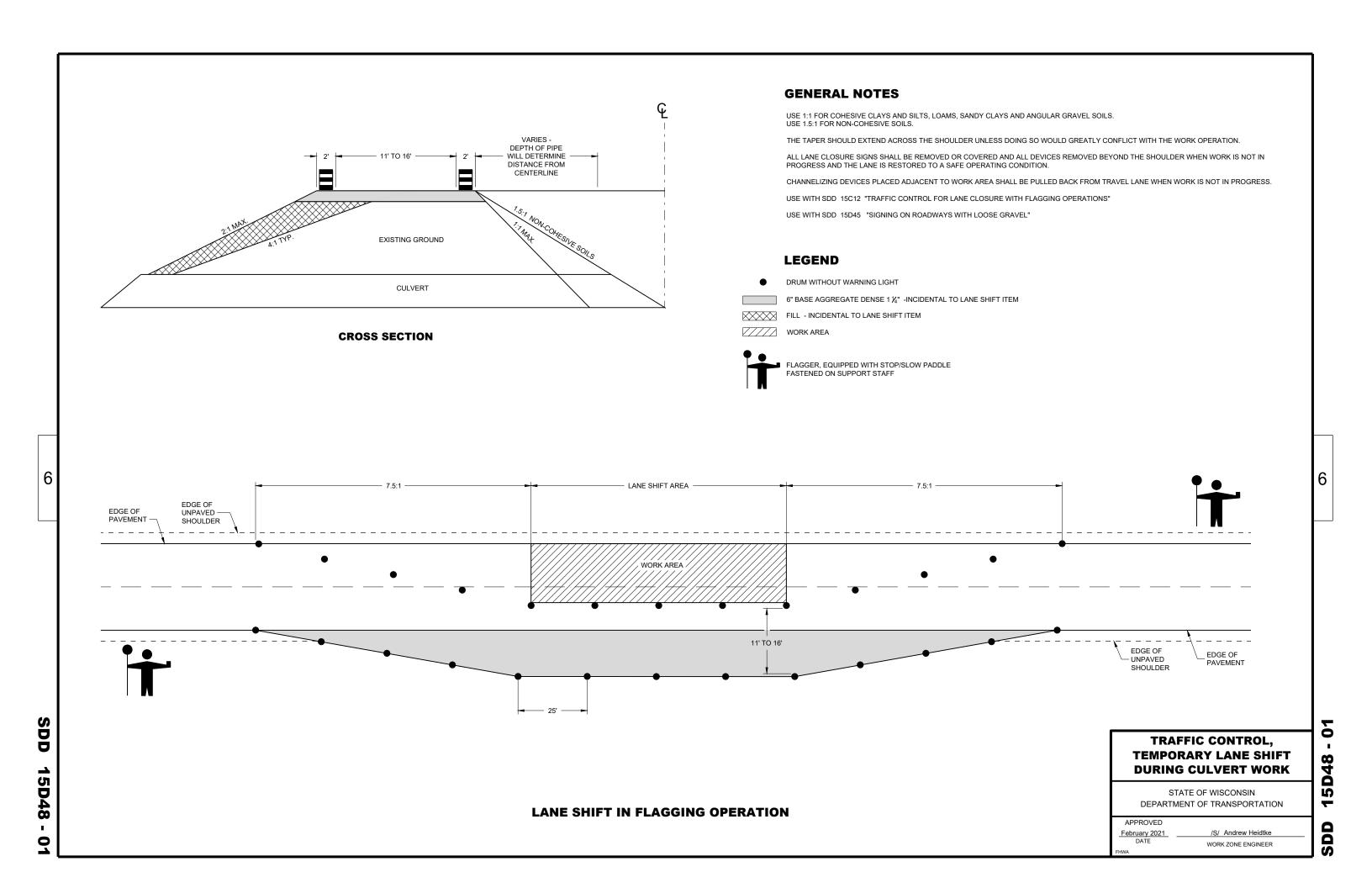
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

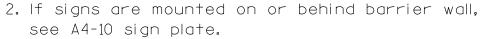
APPROVED February 2020 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER

Ò S

**D45** 

1





The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" ( $\pm$ ). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" ( $\pm$ ).

- 3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is  $5'-3''(\frac{+}{2})$ .
- 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)

\*\* Curb Flowline

D
White Edgeline Location

\*

6'-3"(±)

D |

Outside Edge

of Gravel

White Edgeline
Location

Outside Edge
of Gravel

d.

POST EMBEDMENT DEPTH

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

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.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther & Rawk For State Traffic Engineer

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

SHEET NO:

Ε

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

PROJECT NO:

PLOT DATE: 13-MAY 2020 1:04

COUNTY:

PLOT BY : mscj9h

PLOT NAME :

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

APPROVED



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 DIAMOND (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

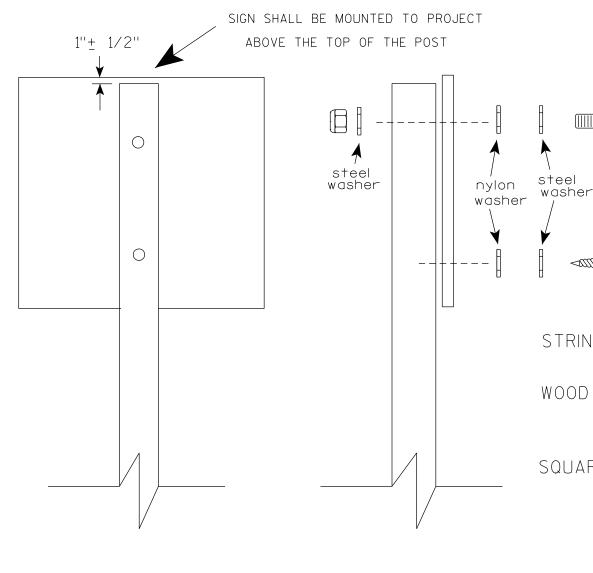
WISDOT/CADDS SHEET 42

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 -  $\frac{1}{32}$  " (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 Matthew

For State Traffic Engineer

SHEET NO:

DATE <u>4/1/202</u>0

PLATE NO. <u>44-8.9</u>

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

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



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

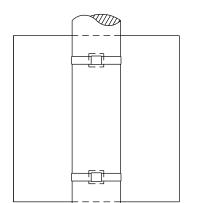
DATE 2/05/15

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

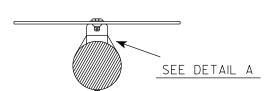
For State Traffic Engineer

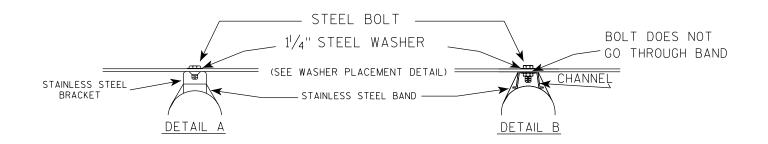


# BANDING

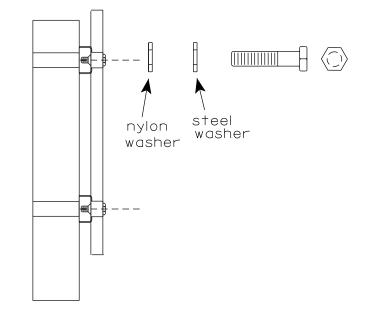


SINGLE SIGN





# WASHER PLACEMENT



HWY:

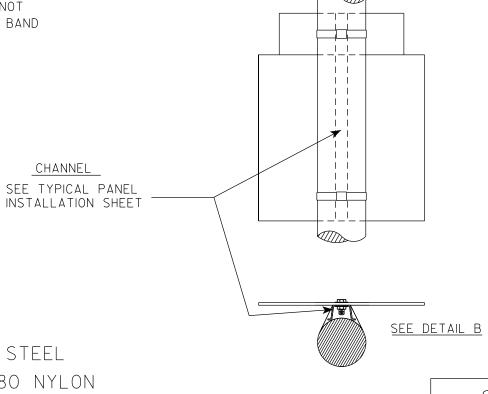
WASHERS (ALL POSTS) -

1-1/4" O.D. X<sup>3</sup>/<sub>8</sub>" I.D. X<sup>1</sup>/<sub>16</sub>" STEEL 1-1/4" O.D.  $\times \frac{3}{8}$ " I.D.  $\times$  .080 NYLON FOR ALL TYPE H SIGNS

#### GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be  $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
  - 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

## "J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

State Traffic Engineer

Ε

APPROVED

DATE 6/10/19 PLATE NO. A5-9.4

COUNTY:

PLOT DATE: 10-JUN 2019 4:10

PLOT NAME :

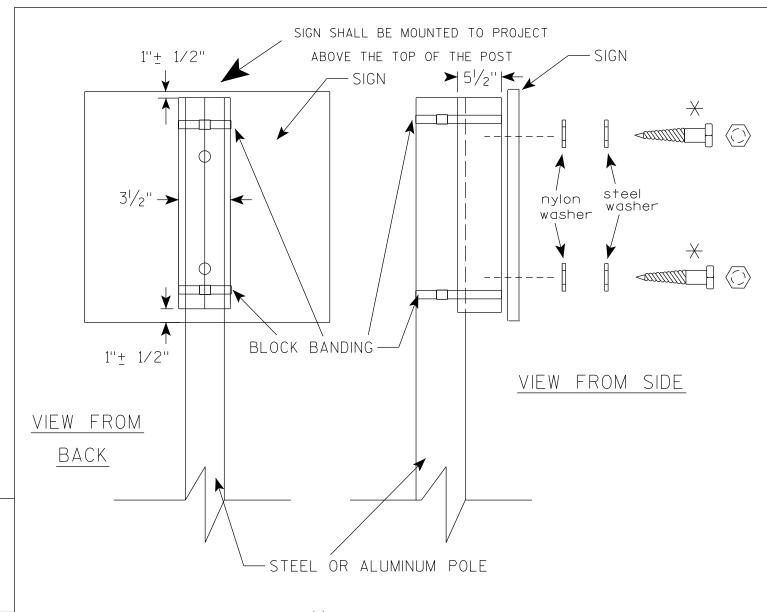
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

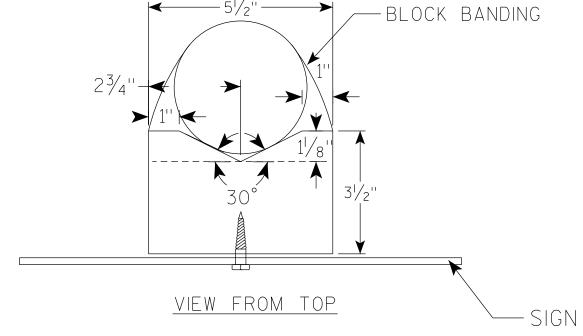
FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A59.dgn

PROJECT NO:

PLOT BY: mscj9h

CHANNEL





# GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL,  $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 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 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
  - 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
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE  $1\frac{1}{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ "
- 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X  $2\frac{1}{2}$ "

BLOCK BANDING DETAIL ( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

| APPROVED

For State Traffic Engineer

SHEET NO:

Matthew R

DATE 6/10/19

PLATE NO. \_A5-10.2

PROJECT NO:

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

PLOT DATE: 10-JUN 2019 4:15

PLOT BY: mscj9h

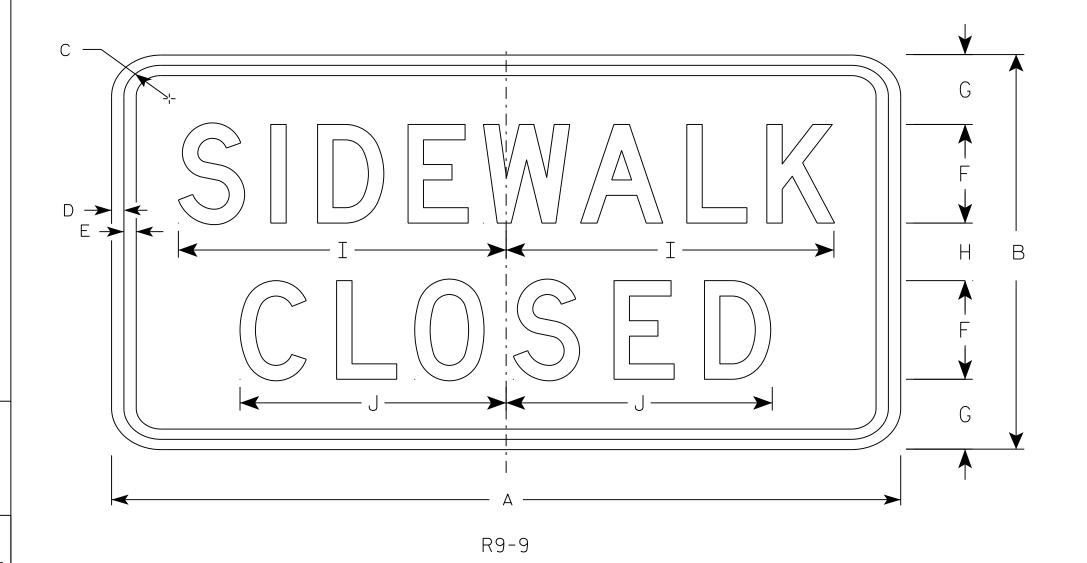
WISDOT/CADDS SHEET 42

### 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

Mather R Ray

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

SHEET NO: R9-9.6

Ε

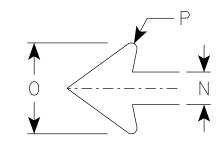
HWY:

PROJECT NO:

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

Background - White Message - Black

- 3. Message Series C
- 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. R9-11AD (double arrow) R9-11AL (left arrow) R9-11AR (right arrow)



ARROW DETAIL

SIDE WALK CLOSED F
T V
<b>▲</b>
R9-11A

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

STANDARD SIGN R9-11A

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

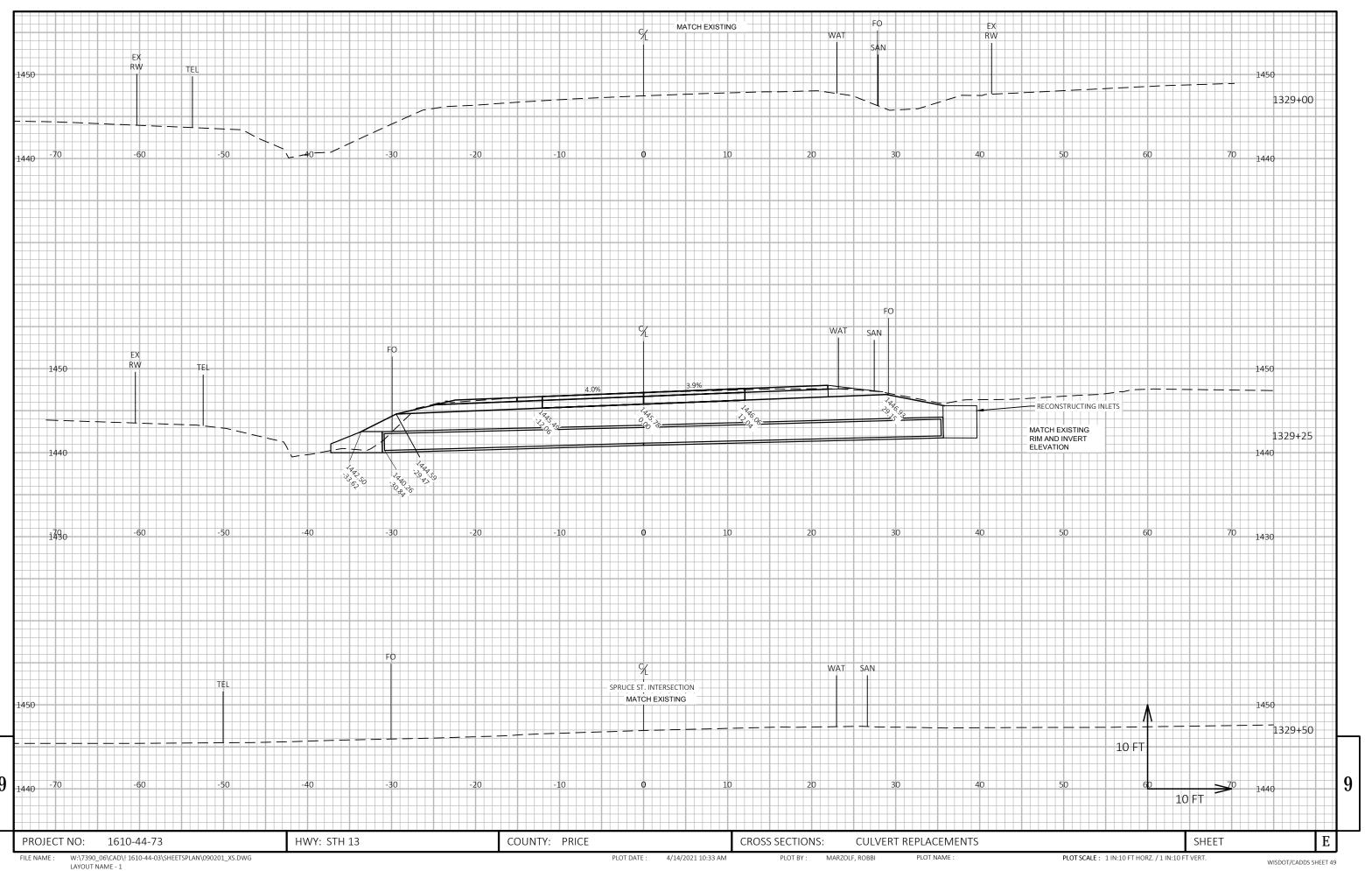
PLOT SCALE :

For State Traffic Engineer

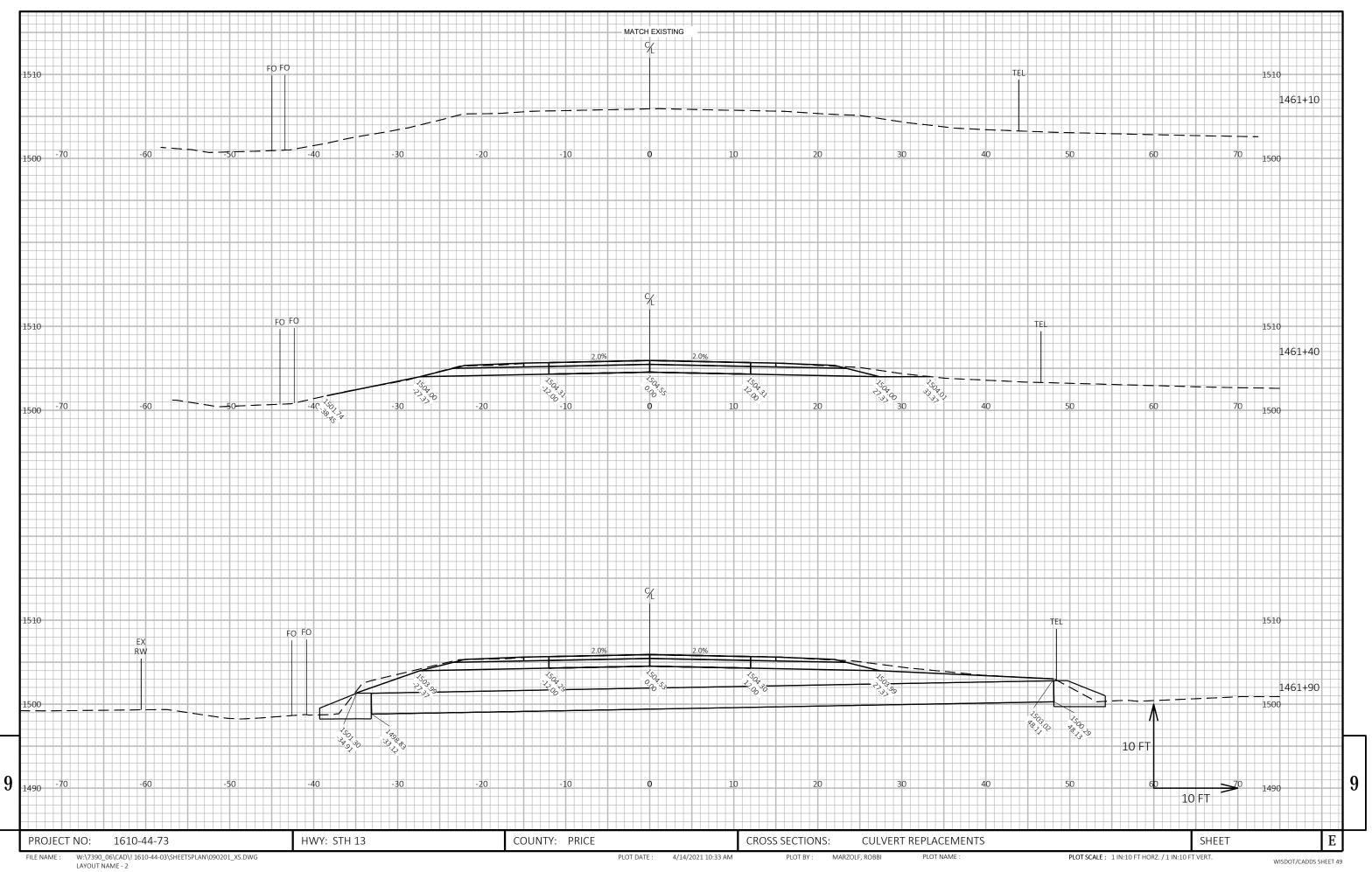
DATE 3/31/2021 PLATE NO. R9-11A.5

COUNTY: PROJECT NO: HWY:

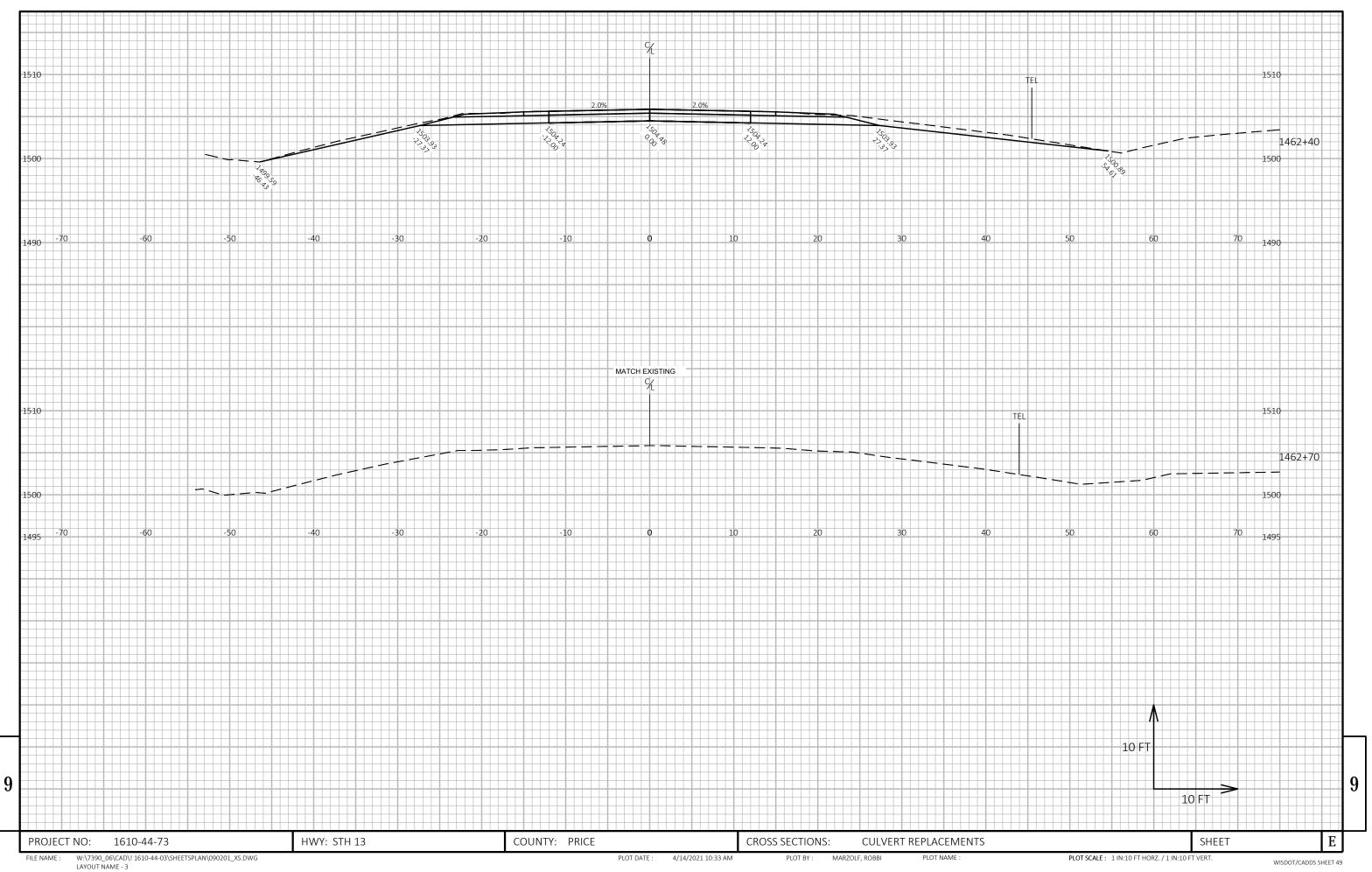
Ε



LAYOUT NAME - 1



LATOUT NAIVIE - 2



LAYOUT NAME - 3



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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