

EAU WITH: N/A

PROJECT ID: 8939-03-78

COUNTY: ST. CROIX

MARCH 2024

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	General Notes
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 46



N

36

DESIGN DESIGNATION

A.A.D.T.	(2024)	=	5600
A.A.D.T.	(2044)	=	5800
D.H.V.		=	N/A
D.D.		=	N/A
T.		=	5%
DESIGN SPEED		=	N/A
ESALS		=	N/A

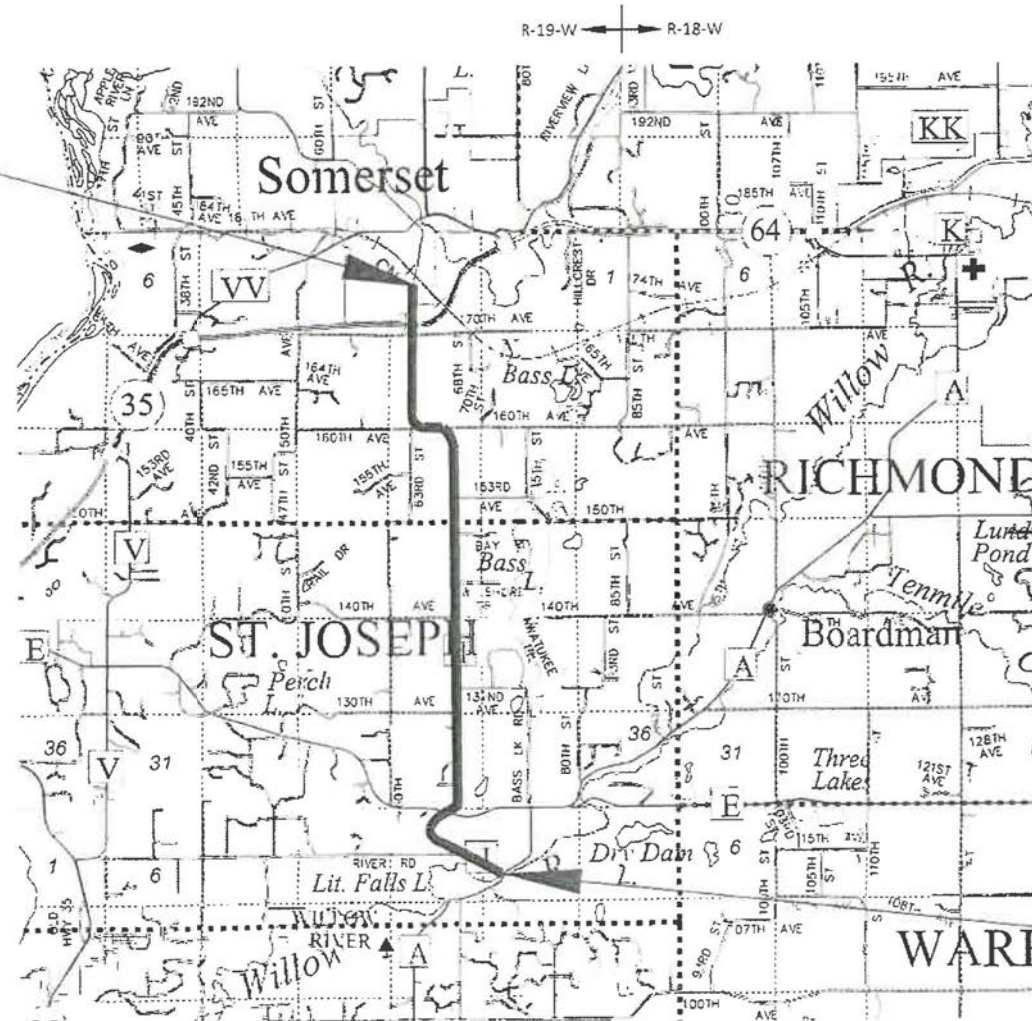
CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE

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

END PROJECT STA 372+60.60



STATE PROJECT NUMBER 8939-03-78

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH A - SOMERSET

CTH A TO KOHLER DRIVE

CTH I

ST. CROIX COUNTY

T-31-N T-30-N

T-30-N T-29-N

LAYOUT SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 6.855 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ST. CROIX 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 18.

BEGIN PROJECT STA 10+63.00 Y=360721.909 X=537150.228

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8939-03-78	WISC 2024085	1

ACCEPTED FOR

ST. CROIX COUNTY

10/5/2023 [Signature]

ORIGINAL PLANS PREPARED BY

CORRE ENGINEERING

MADISON | WAUKESHA | EAU CLAIRE | APPLETON | TOMA | WITTEMBERG

WISCONSIN KEVIN L. MEYER E-30309-006 ELK MOUND WI PROFESSIONAL ENGINEER 10/5/23

DATE: (Professional Engineer Signature)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor: CORRE INC Designer: CORRE, INC. Project Manager: MATTHEW BERG, PE Regional Examiner: TQU YANG, PE Regional Supervisor: TYLER RONGSTAD, PE

APPROVED FOR THE DEPARTMENT DATE: 10/5/2023 Matthew Berg (Signature)

E

GENERAL NOTES

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

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

UTILITY CONTACTS

COMMUNICATION LINE

AT&T DISTRIBUTION  
RICK PODOCAK  
304 S DEWEY ST  
EAU CLAIRE, WI 54701  
PHONE: (715) 839-5565  
EMAIL: RP4514@ATT.COM

COMMUNICATION LINE

BALDWIN TELECOM, INC.  
MATT KNEGENDORF  
930 MAPLE ST  
BALDWIN, WI 54002  
PHONE: (715) 688-1034  
EMAIL: MKNEGENDORF@LSWI.NET

COMMUNICATION LINE

NORTHWESTERN COMMUNICATIONS  
GREG CARDINAL  
116 HARRIMAN AVE  
AVERY, WI 54001  
PHONE: (715) 268-3379  
EMAIL: GREG.CARDINAL@AMERYTEL.NET

ELECTRICITY

DAIRYLAND POWER COOPERATIVE  
ROB MALY  
3200 EAST AVE S PO BOX 817  
LA CROSSE, WI 54602  
PHONE: (608) 518-2633  
EMAIL: ROB.MALY@DAIRYLANDPOWER.COM

ELECTRICITY

ST. CROIX ELECTRIC COOPERATIVE  
ROB DOOLEY  
1925 RIDGEWAY ST  
HAMMOND, WI 54015  
PHONE: 715-796-5637  
EMAIL: ROBD@SCECNET.NET

ELECTRICITY

XCEL ENERGY, INC  
DARREN NORDSKOG  
2001 OLD HIGHWAY 35 S.  
HUDSON, WI 54016  
PHONE: (715) 386-4798  
EMAIL: DARREN.M.NORDSKOG@XCELENERGY.COM

ELECTRICITY - TRANSMISSION

XCEL ENERGY, INC  
MITCHELL DIENGER  
414 NICOLLET MALL, 5TH FLOOR  
MINNEAPOLIS, MN 55401  
PHONE: (612) 321-3109  
EMAIL: MITCHELL.A.DIENGER@XCELENERGY.COM

GAS/PETROLEUM

MIDWEST NATURAL GAS, INC  
RICH HYDE  
611 SHAY ST.  
SOMERSET, WI 54025  
PHONE: (715) 797-0590  
EMAIL: RICHH@MIDWESTNATURALGAS.COM

**DIGGERS  HOTLINE**  
 Dial  or (800)242-8511  
[www.DiggersHotline.com](http://www.DiggersHotline.com)

COUNTY CONTACT

HIGHWAY DEPARTMENT  
ROBBIE KREJCI  
300 OAK RIDGE PARKWAY  
BALDWIN, WI 54002  
PHONE: (715) 245-4205  
EMAIL: ROBBIE.KREJCI@SCCW1.GOV

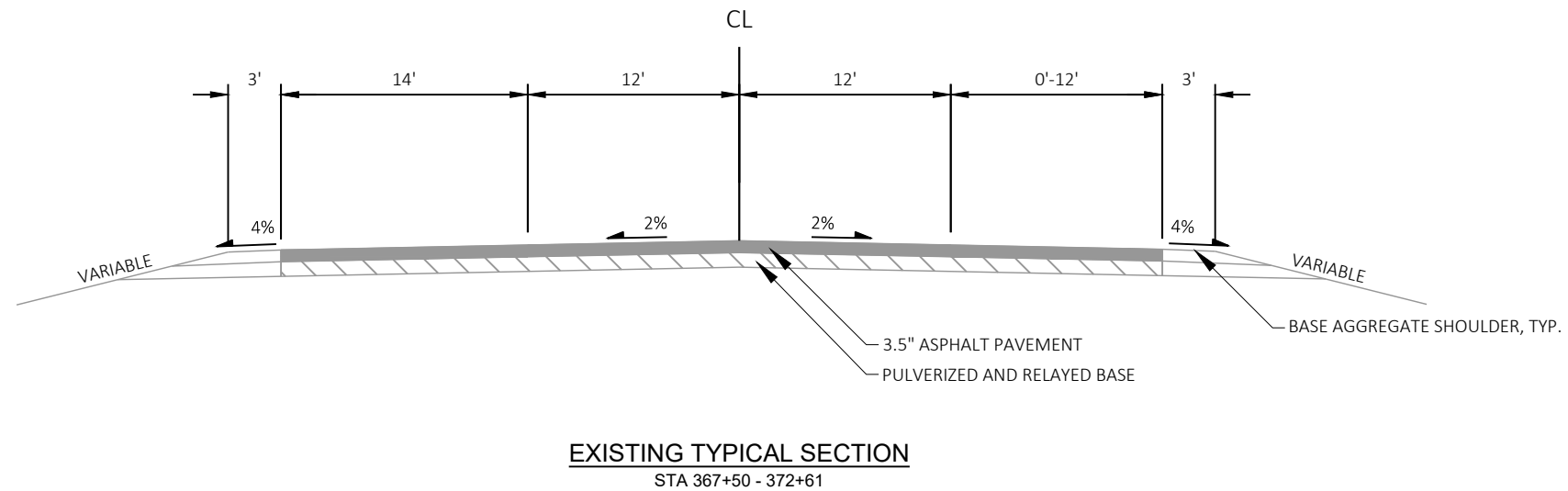
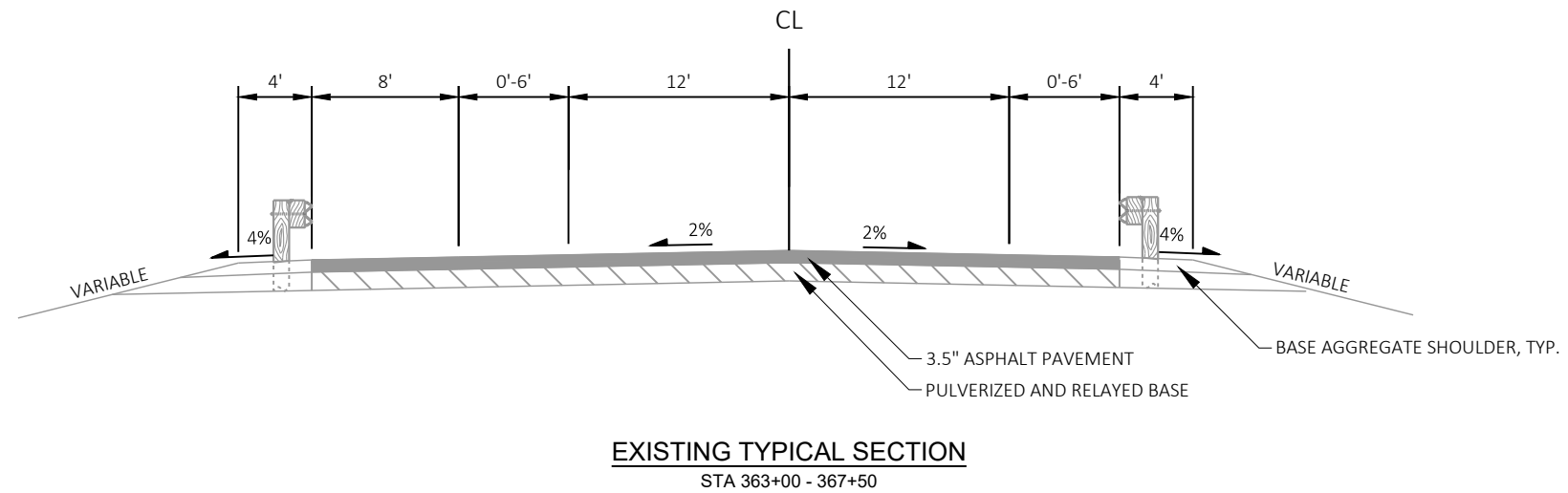
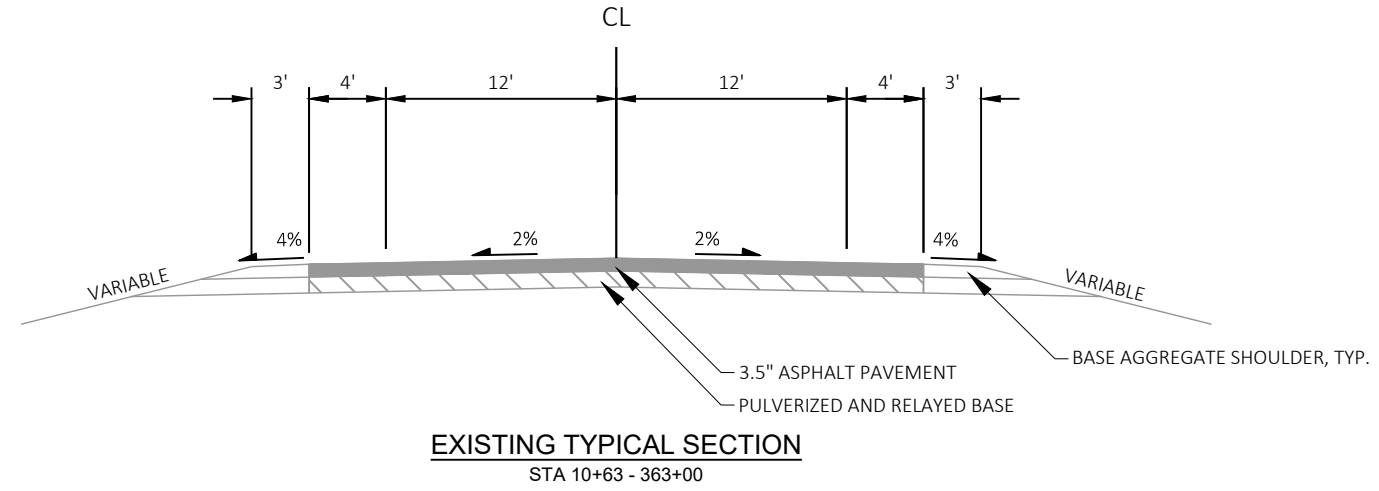
DNR CONTACT

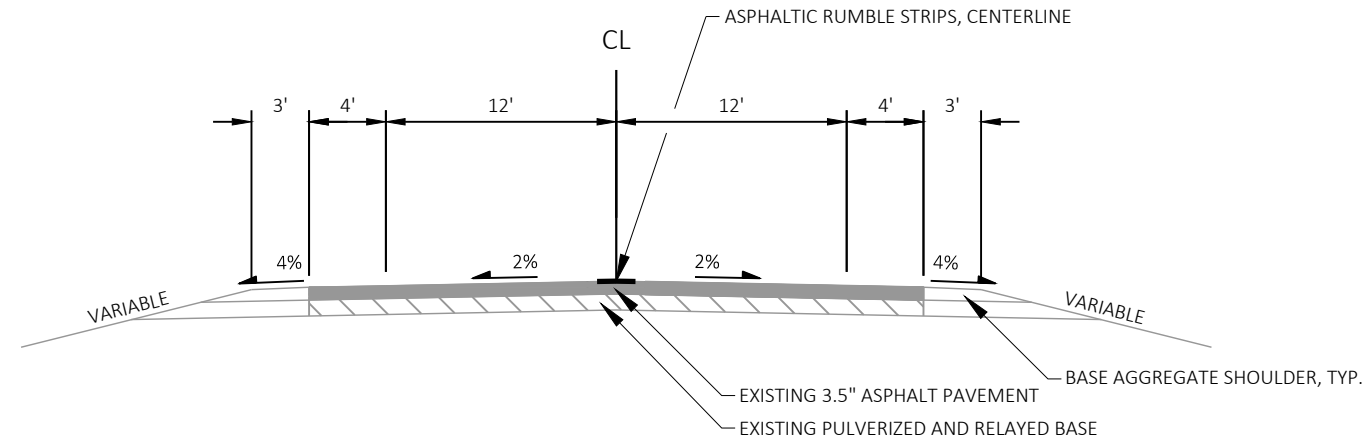
DNR WEST CENTRAL REGION HQ  
AMY LESIK  
1300 W CLAIREMONT AVE  
EAU CLAIRE, WI 54701  
PHONE: (715) 836-6571  
EMAIL: AMYL.LESIK@WISCONSIN.GOV

DESIGN CONTACT

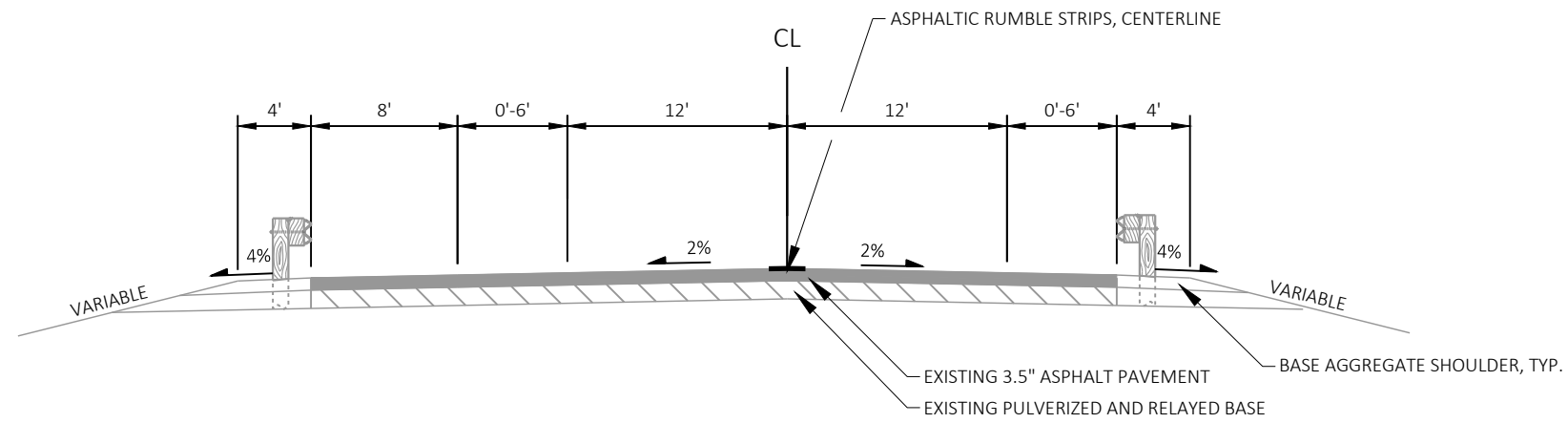
CORRE, INC.  
KEVIN MEYER  
1802 WARDEN ST  
EAU CLAIRE, WI 54703  
PHONE: (715) 299-1894  
EMAIL: KMEYER@CORREINC.COM



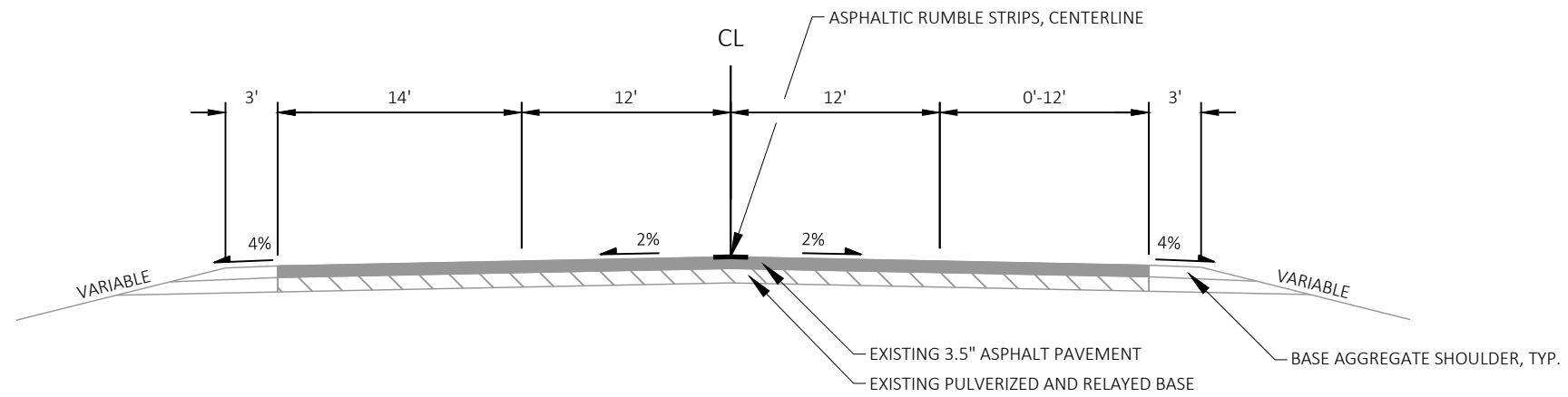




**FINISHED TYPICAL SECTION**  
 STA 10+63 - 363+00



**FINISHED TYPICAL SECTION**  
 STA 363+00 - 367+50



**FINISHED TYPICAL SECTION**  
 STA 367+50 - 372+61

Estimate Of Quantities

8939-03-78

Line	Item	Item Description	Unit	Total	Qty
0002	213.0100	Finishing Roadway (project) 01. 8939-03-78	EACH	1.000	1.000
0004	465.0560	Asphaltic Rumble Strips, Centerline	LF	29,888.000	29,888.000
0006	465.0580	Asphaltic Rumble Strips, Transverse	SY	108.000	108.000
0008	619.1000	Mobilization	EACH	1.000	1.000
0010	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	44.000	44.000
0012	637.2230	Signs Type II Reflective F	SF	277.500	277.500
0014	638.2602	Removing Signs Type II	EACH	5.000	5.000
0016	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0018	643.0900	Traffic Control Signs	DAY	558.000	558.000
0020	643.5000	Traffic Control	EACH	1.000	1.000
0022	646.2005	Marking Line Paint 6-Inch	LF	126,895.000	126,895.000
0024	646.4005	Marking Line Paint 10-Inch	LF	395.000	395.000
0026	646.6005	Marking Stop Line Paint 12-Inch	LF	60.000	60.000
0028	648.0100	Locating No-Passing Zones	MI	6.860	6.860
0030	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	100.000	100.000
0032	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	100.000	100.000

3

3

643.0900 TRAFFIC CONTROL SIGNS			
CATEGORY	LOCATION	DAY	REMARKS
0010	PROJECT	558	31 SIGNS X 18 DAYS
TOTAL 0010		558	

646.6005 MARKING STOP LINE PAINT 12-INCH LF							646.4005 MARKING LINE PAINT 10-INCH LF		646.2005 MARKING LINE PAINT 6-INCH LF	
CATEGORY	STATION	TO	STATION	LOCATION						
0010	10+63	-	372+61	CL	-	-	56,236			
0010	10+63	-	372+61	LT	-	-	35,311			
0010	10+63	-	372+61	RT	-	-	35,348			
0010	73+02	-	73+02	CTH E	12	-	-			
0010	73+06	-	73+06	CTH E	12	-	-			
0010	73+51	-	73+51	CTH E	12	-	-			
0010	73+52	-	73+52	CTH E	12	-	-			
0010	287+54	-	289+54	160TH AVE, NB TL	-	200	-			
0010	309+45	-	310+50	160TH AVE, SB TL	-	105	-			
0010	371+34	-	372+24	KOHLER, TL	-	90	-			
0010	372+25	-	372+25	KOHLER, TL	12	-	-			
TOTAL 0010					60	395	126,895			

648.0100 LOCATING NO-PASSING ZONES MI					
CATEGORY	STATION	TO	STATION	LOCATION	
0010	10+36	-	372+32	PROJECT	6.86
TOTAL 0010					6.86

465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE LF						
CATEGORY	STATION	TO	STATION	LOCATION		
0010	12+00	-	34+50	CL	2247	
0010	38+50	-	71+12	CL	3253	
0010	75+12	-	90+60	CL	1546	
0010	94+60	-	121+23	CL	2661	
0010	125+23	-	130+37	CL	516	
0010	134+37	-	143+95	CL	957	
0010	147+95	-	187+98	CL	3503	
0010	187+16	-	195+60	CL	761	
0010	199+60	-	202+15	CL	257	
0010	206+15	-	229+05	CL	2288	
0010	233+05	-	249+25	CL	1622	
0010	253+25	-	287+84	CL	3458	
0010	291+84	-	307+10	CL	1524	
0010	311+10	-	357+65	CL	4658	
0010	361+65	-	363+87	CL	221	
0010	366+73	-	371+89	CL	416	
TOTAL 0010					29,888	

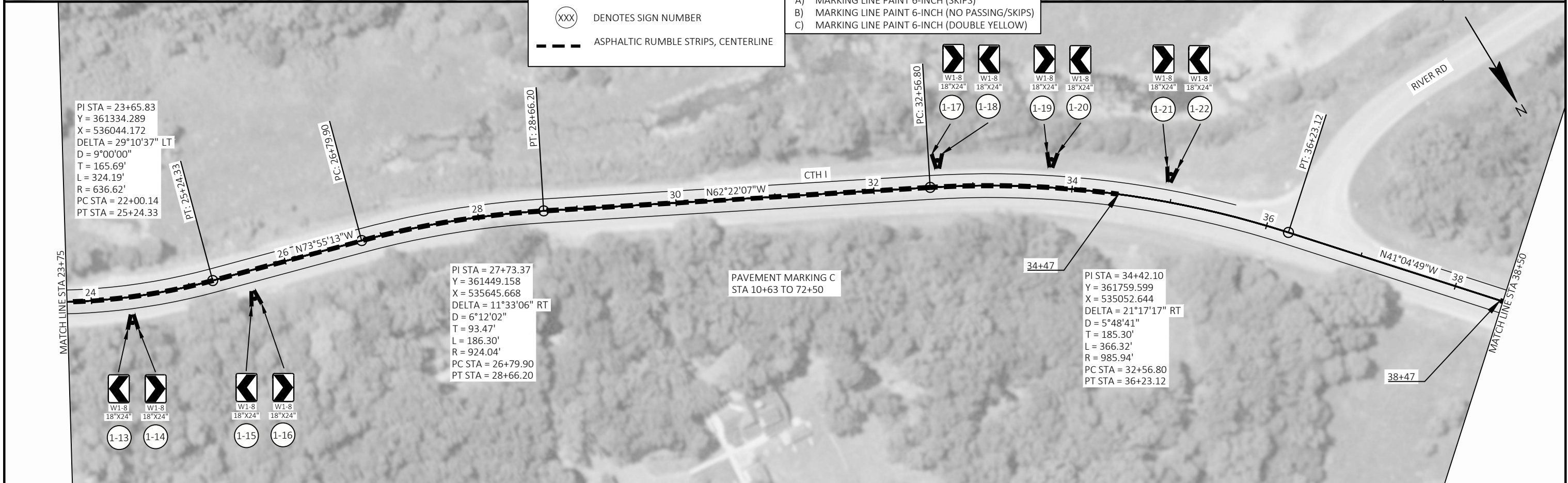
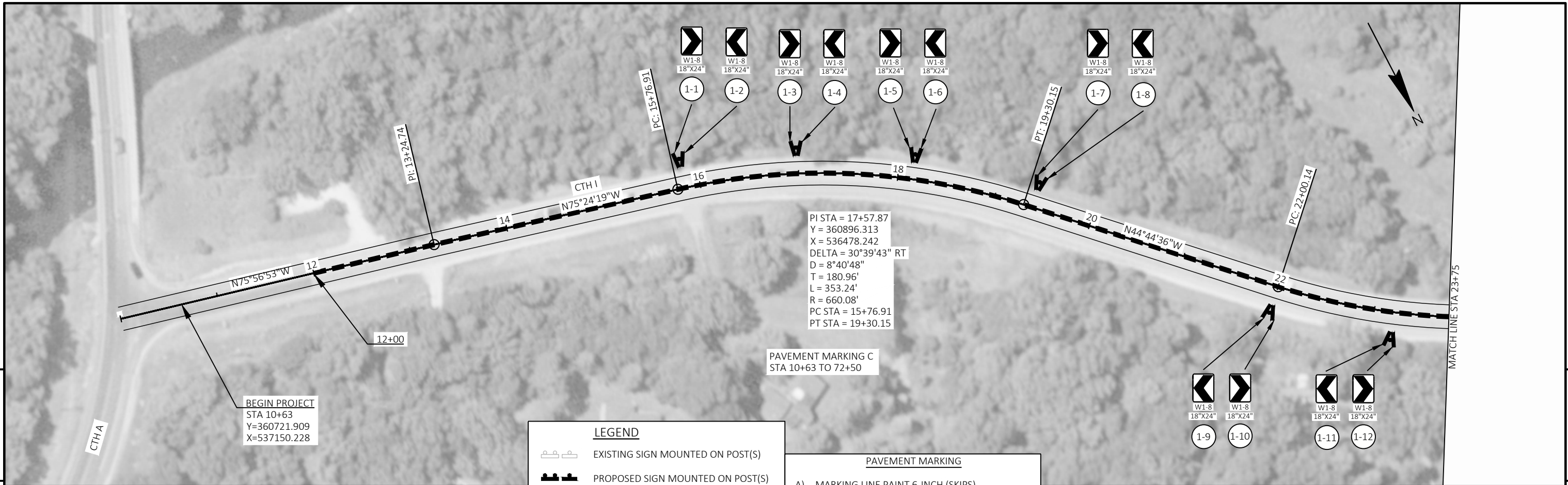
\*SIGN TOTALS ARE LOCATED ON NEXT MQ SHEET

							634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH
CATEGORY	STATION	SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE (IN)	LOCATION				
0010	15+76	1-1	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	15+76	1-2	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	16+96	1-3	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	16+96	1-4	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	18+16	1-5	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	18+16	1-6	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	19+36	1-7	W1-8	CHEVRON	18 x 24	LI	1	3	-	-
0010	19+36	1-8	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	22+00	1-9	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	22+00	1-10	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	23+20	1-11	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	23+20	1-12	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	24+40	1-13	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	24+40	1-14	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	25+60	1-15	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	25+60	1-16	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	32+57	1-17	W1-8	CHEVRON	18 x 24	LI	1	3	-	-
0010	32+57	1-18	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	33+77	1-19	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	33+77	1-20	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	34+97	1-21	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	34+97	1-22	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	39+12	2-1	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	39+12	2-2	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	40+32	2-3	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	40+32	2-4	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	41+52	2-5	W1-8	CHEVRON	18 x 24	RI	1	3	-	-
0010	41+52	2-6	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	42+72	2-7	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	42+72	2-8	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	43+92	2-9	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	43+92	2-10	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	45+12	2-11	W1-8	CHEVRON	18 x 24	RT	1	3	-	-
0010	45+12	2-12	W1-8	CHEVRON	18 x 24	RT	-	3	-	-
0010	47+36	2-13	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	47+36	2-14	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	48+56	2-15	W1-8	CHEVRON	18 x 24	LI	1	3	-	-
0010	48+56	2-16	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	49+76	2-17	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	49+76	2-18	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	50+96	2-19	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	50+96	2-20	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	52+16	2-21	W1-8	CHEVRON	18 x 24	LT	1	3	-	-
0010	52+16	2-22	W1-8	CHEVRON	18 x 24	LT	-	3	-	-
0010	54+77	2-23	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	RT	-	-	1	-

465.0580 ASPHALTIC RUMBLE STRIPS, TRANSVERSE SY					
CATEGORY	STATION	TO	STATION	LOCATION	
0010	66+90	-	67+15	CTH I, NB	27
0010	70+15	-	70+40	CTH I, NB	27
0010	75+60	-	75+85	CTH I, SB	27
0010	78+85	-	79+10	CTH I, SB	27
TOTAL 0010					108

CATEGORY	STATION	SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIZE (IN)	LOCATION	634.0616		637.2230		638.2602		638.3000	
							EACH	SF	EACH	SF	EACH	SF	EACH	SF
							POSTS WOOD 4X6- INCH X 16-FT	SIGNS TYPE II REFLECTIVE F	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS				
0010	54+77	2-24	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	RT	-	6.25	-	-	-	-	-	-
0010	55+05	2-25	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	55+05	2-26	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	56+25	2-27	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	56+25	2-28	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	57+45	2-29	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	57+45	2-30	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	58+65	2-31	W1-8	CHEVRON	18 x 24	LI	1	3	-	-	-	-	-	-
0010	58+65	2-32	W1-8	CHEVRON	18 x 24	LI	-	3	-	-	-	-	-	-
0010	59+85	2-33	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	59+85	2-34	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	61+05	2-35	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	61+05	2-36	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	62+25	2-37	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	62+25	2-38	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	63+45	2-39	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	63+45	2-40	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	64+65	2-41	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	64+65	2-42	W1-8	CHEVRON	18 x 24	LT	-	3	-	-	-	-	-	-
0010	65+85	2-43	W1-8	CHEVRON	18 x 24	LT	1	3	-	-	-	-	-	-
0010	65+85	2-44	W1-8	CHEVRON	18 x 24	LI	-	3	-	-	-	-	-	-
0010	86+37	4-1	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	LI	-	-	-	-	-	-	-	-
0010	86+37	4-2	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	LT	1	6.25	-	-	-	-	-	-
0010	89+70	4-3	W13-1	ADVISORY SPEED PLATE	18 x 18	LT	-	-	1	-	-	-	-	-
0010	140+00	5-1	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	LT	-	-	-	-	-	-	-	-
0010	140+00	5-2	S3-1	SCHOOL BUS STOP AHEAD	30 x 30	LT	1	6.25	-	-	-	-	-	-
0010	269+66	9-1	W13-1	ADVISORY SPEED PLATE	18 x 18	RT	-	-	1	-	-	-	-	-
0010	269+66	9-2	W13-1	ADVISORY SPEED PLATE	18 x 18	RT	-	2.25	-	-	-	-	-	-
0010	273+19	9-3	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	273+19	9-4	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	274+39	10-1	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	274+39	10-2	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	275+59	10-3	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	275+59	10-4	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	276+79	10-5	W1-8	CHEVRON	18 x 24	RI	1	3	-	-	-	-	-	-
0010	276+79	10-6	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	279+60	10-7	W13-1	ADVISORY SPEED PLATE	18 x 18	LT	-	-	1	-	-	-	-	-
0010	279+60	10-8	W13-1	ADVISORY SPEED PLATE	18 x 18	LT	-	2.25	-	-	-	-	-	-
0010	287+07	10-9	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	287+07	10-10	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	288+67	10-11	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	288+67	10-12	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	291+00	10-13	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	291+00	10-14	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	292+60	10-15	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	292+60	10-16	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	294+20	10-17	W1-8	CHEVRON	18 x 24	RT	1	3	-	-	-	-	-	-
0010	294+20	10-18	W1-8	CHEVRON	18 x 24	RI	-	3	-	-	-	-	-	-
0010	295+80	10-19	W1-8	CHEVRON	18 x 24	RI	1	3	-	-	-	-	-	-
0010	295+80	10-20	W1-8	CHEVRON	18 x 24	RT	-	3	-	-	-	-	-	-
0010	300+85	10-21	W13-1	ADVISORY SPEED PLATE	18 x 18	RT	-	-	1	-	-	-	-	-
0010	300+85	10-22	W13-1	ADVISORY SPEED PLATE	18 x 18	RT	-	2.25	-	-	-	-	-	-
TOTAL 0010							44	277.50	5	7				





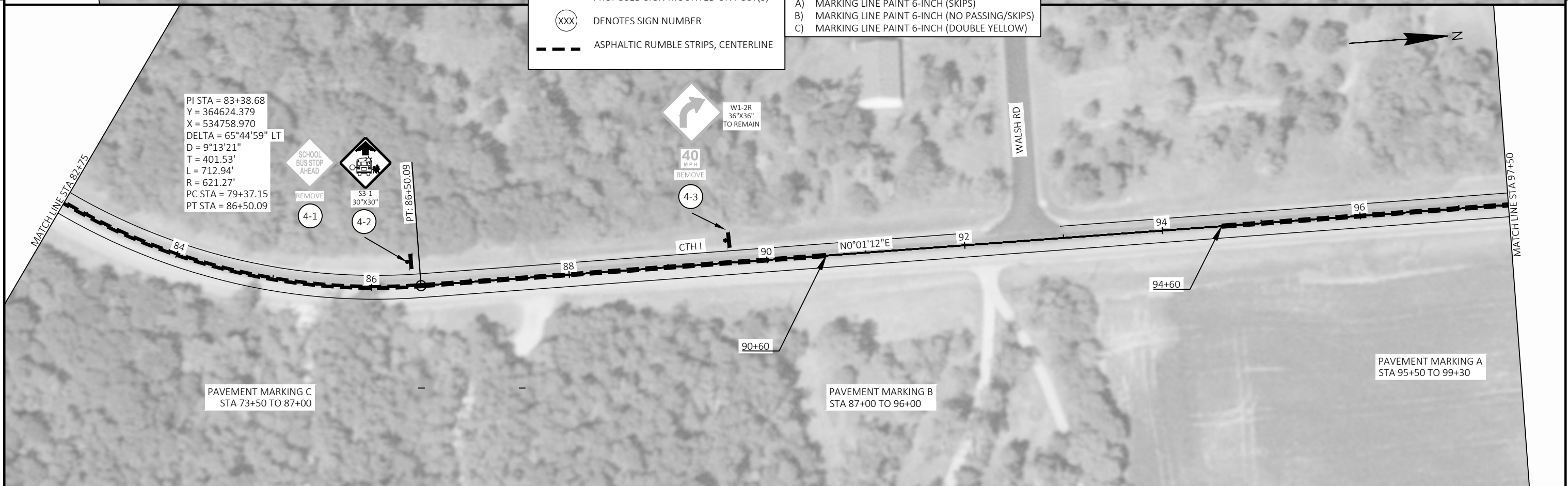
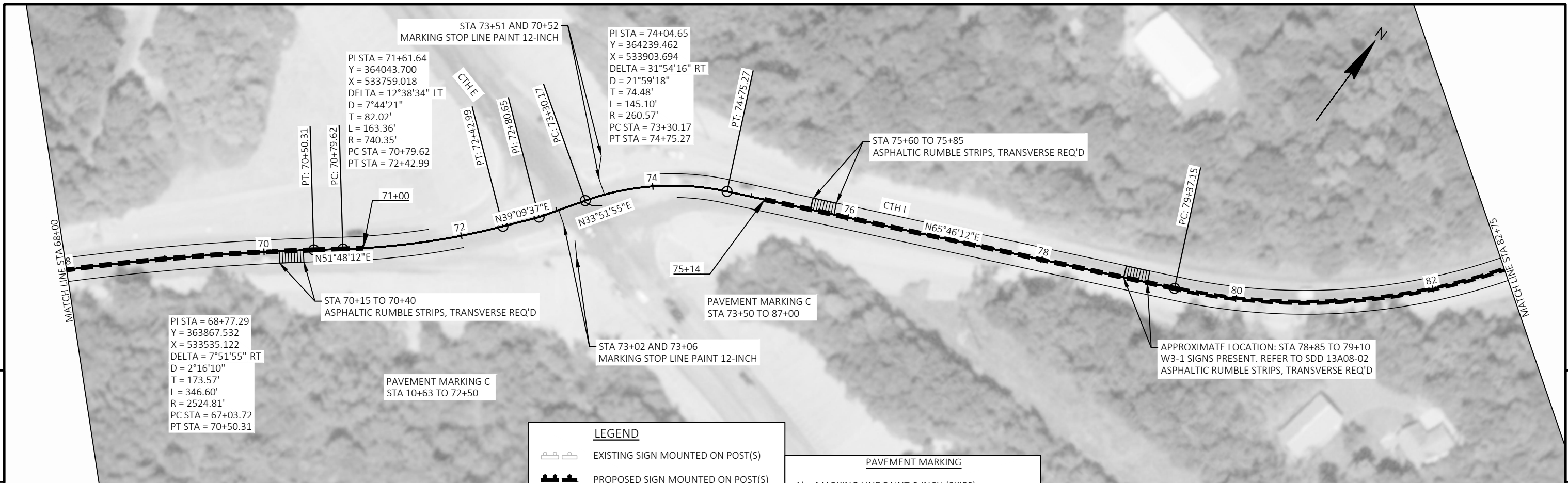
**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE

**PAVEMENT MARKING**

- A) MARKING LINE PAINT 6-INCH (SKIPS)
- B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
- C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)









PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	E
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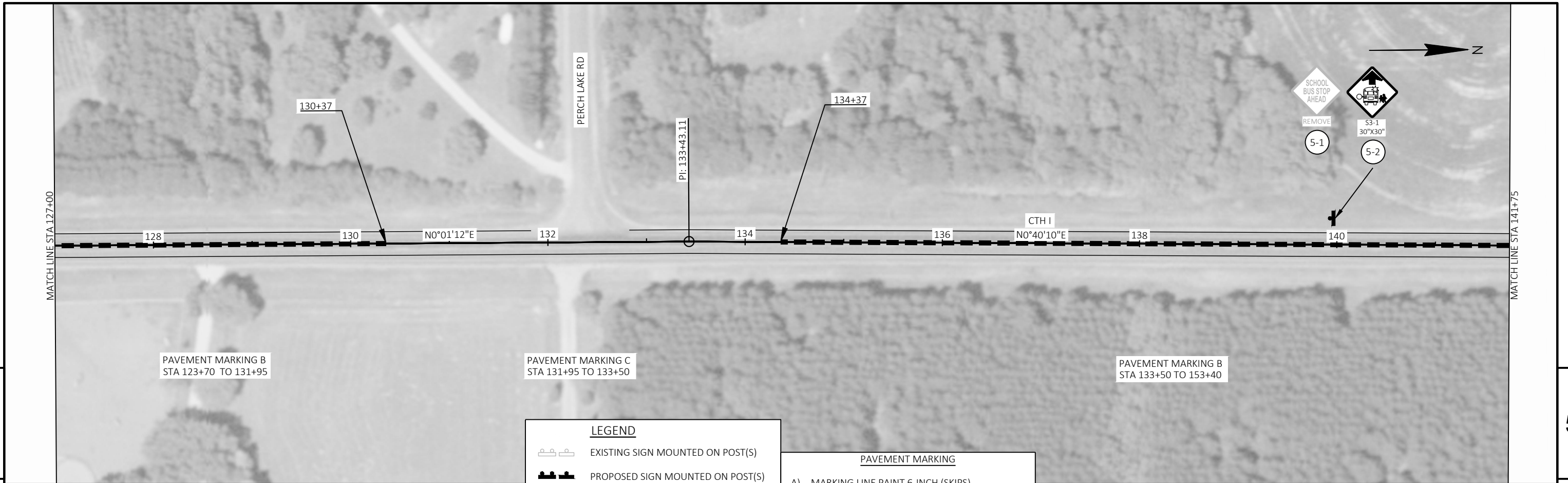
**LEGEND**

-  EXISTING SIGN MOUNTED ON POST(S)
-  PROPOSED SIGN MOUNTED ON POST(S)
-  DENOTES SIGN NUMBER
-  ASPHALTIC RUMBLE STRIPS, CENTERLINE

**PAVEMENT MARKING**

- A) MARKING LINE PAINT 6-INCH (SKIPS)
- B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
- C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	<b>E</b>
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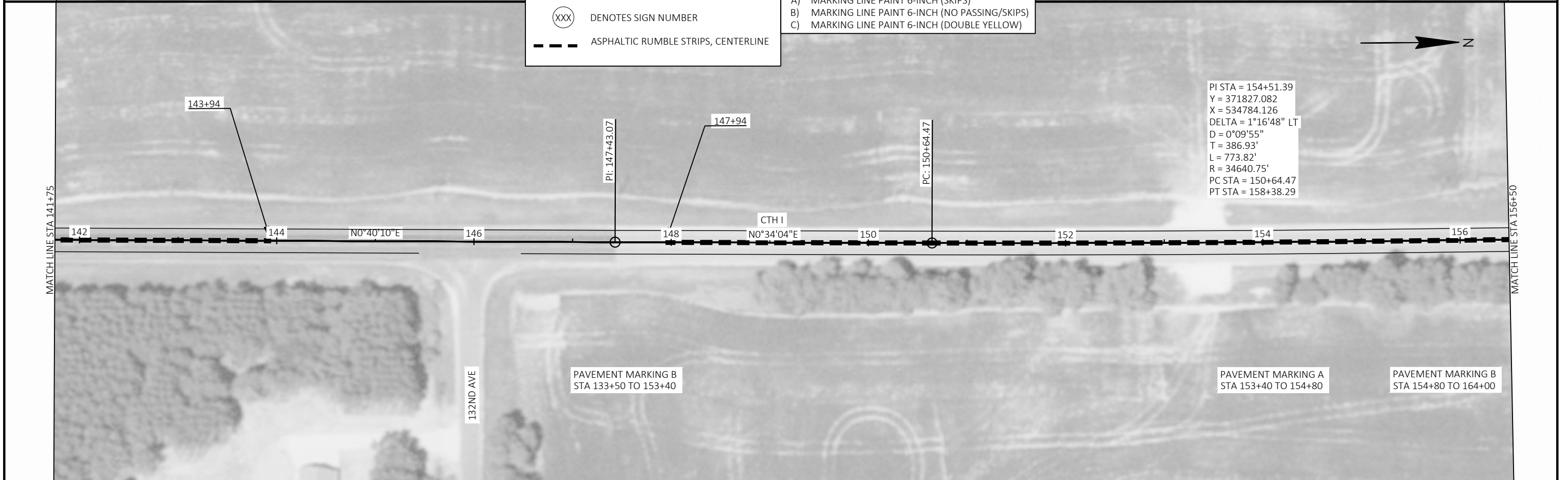


**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE

**PAVEMENT MARKING**

- A) MARKING LINE PAINT 6-INCH (SKIPS)
- B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
- C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)



PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	<b>E</b>
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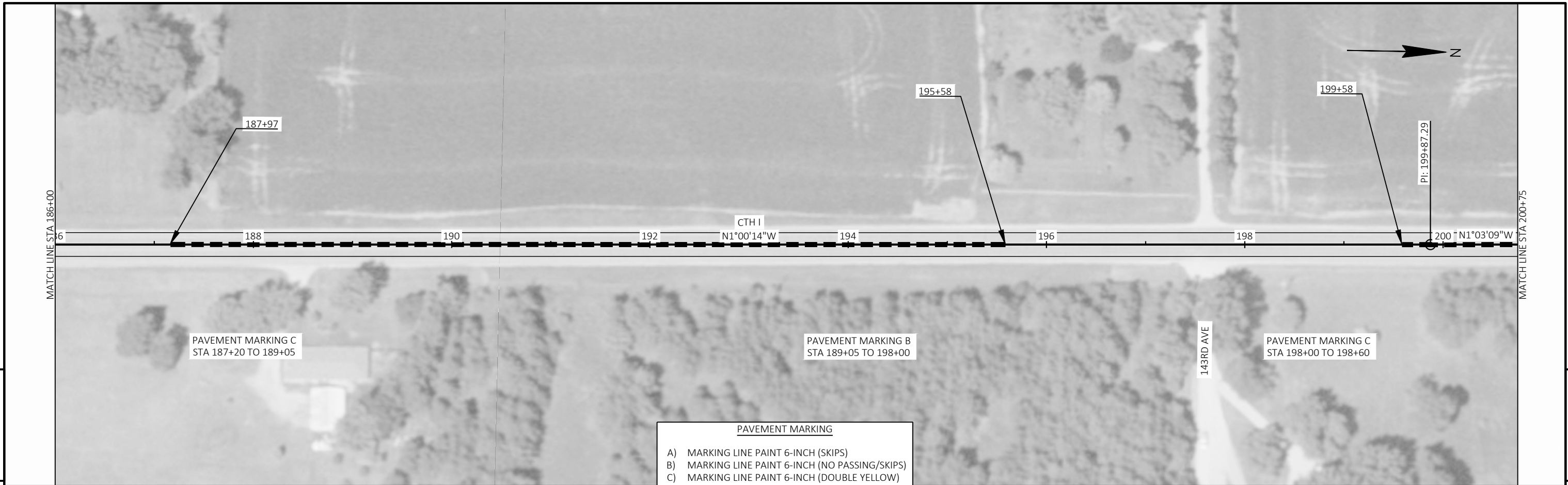
**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE

**PAVEMENT MARKING**

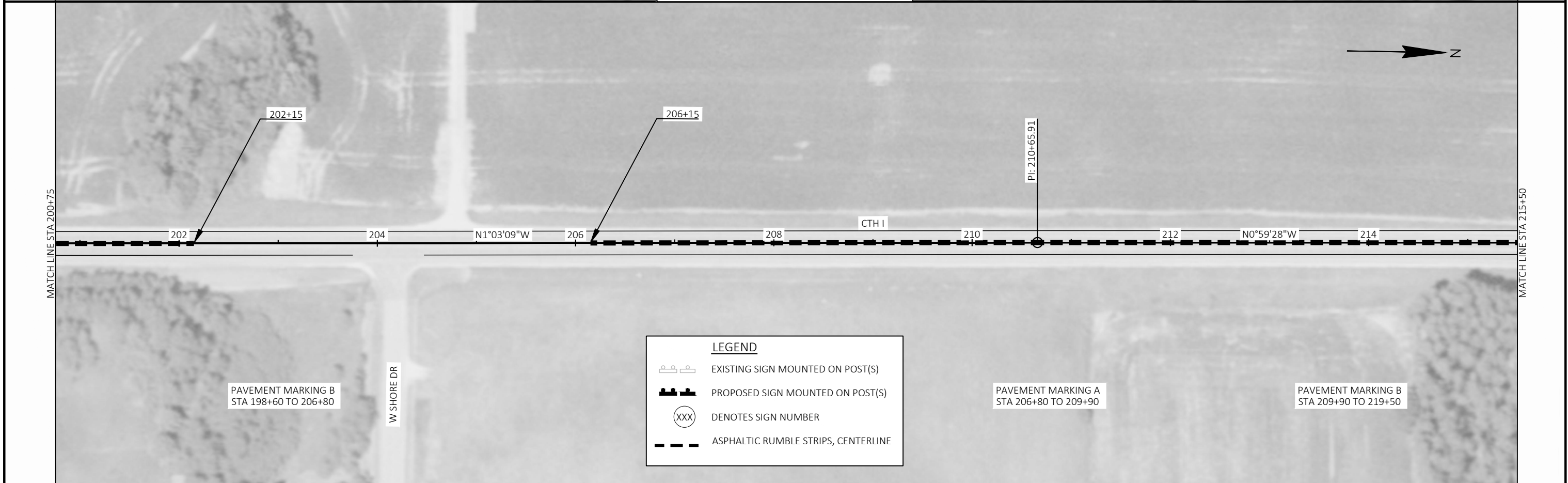
- A) MARKING LINE PAINT 6-INCH (SKIPS)
- B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
- C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	<b>E</b>
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**PAVEMENT MARKING**

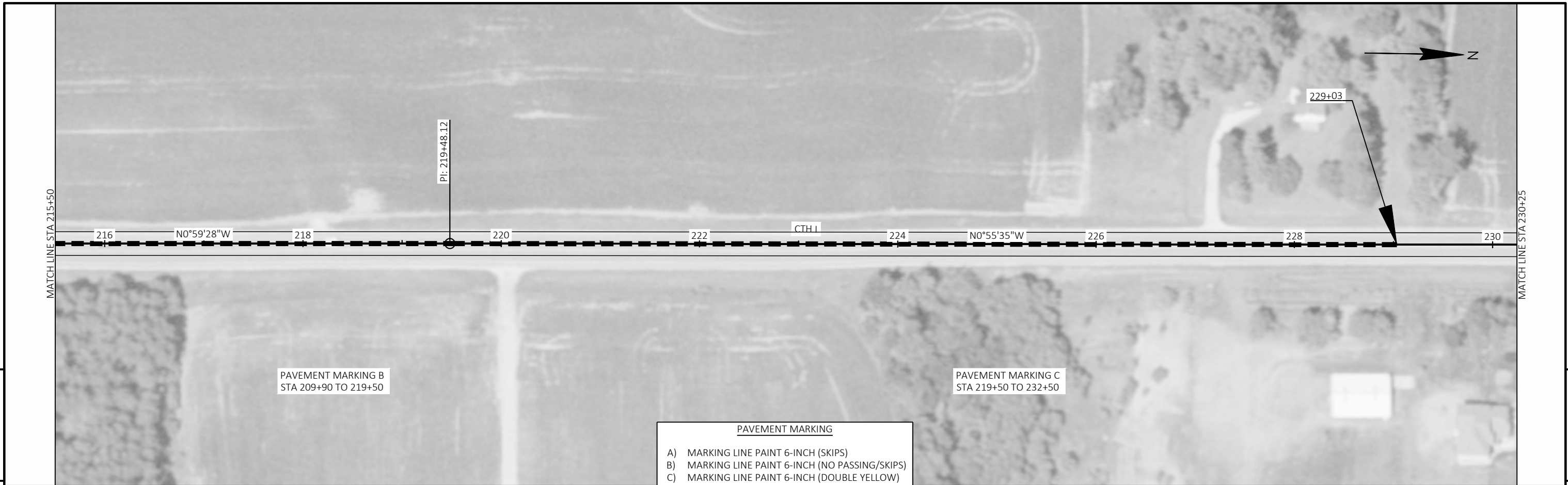
- A) MARKING LINE PAINT 6-INCH (SKIPS)
- B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
- C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)



**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE

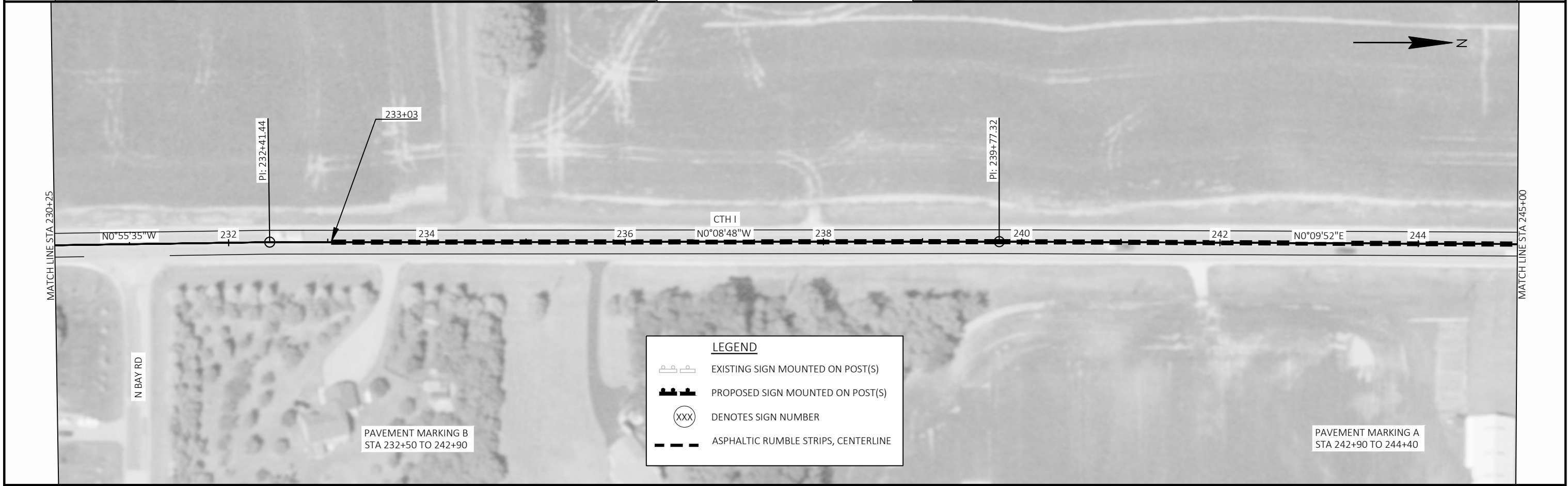
PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET <b>E</b>
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PAVEMENT MARKING B  
STA 209+90 TO 219+50

PAVEMENT MARKING C  
STA 219+50 TO 232+50

PAVEMENT MARKING	
A)	MARKING LINE PAINT 6-INCH (SKIPS)
B)	MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
C)	MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)



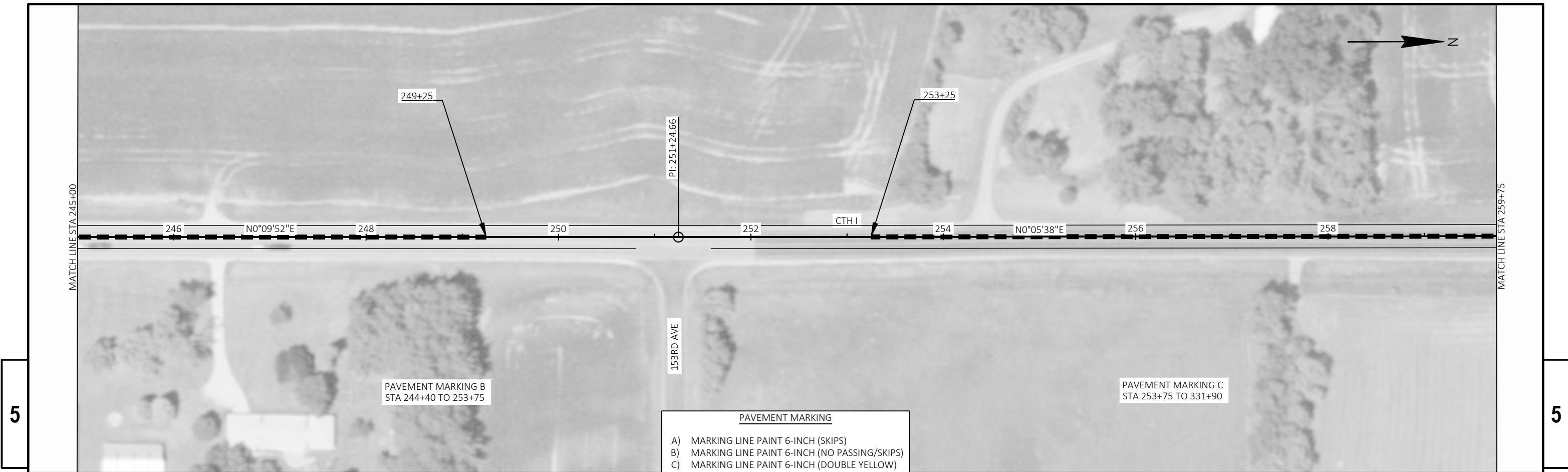
PAVEMENT MARKING B  
STA 232+50 TO 242+90

PAVEMENT MARKING A  
STA 242+90 TO 244+40

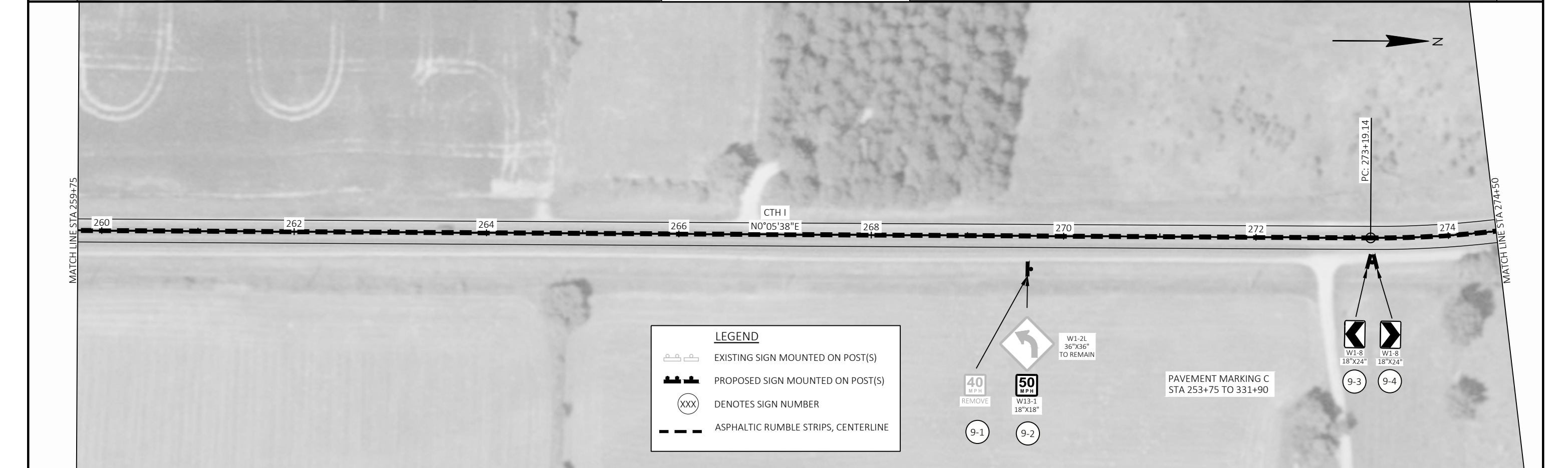
LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	DENOTES SIGN NUMBER
	ASPHALTIC RUMBLE STRIPS, CENTERLINE

PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	<b>E</b>
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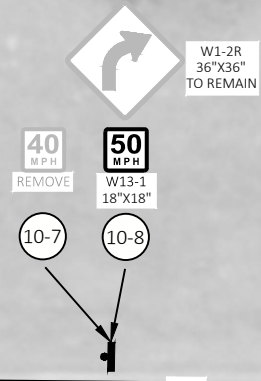




- PAVEMENT MARKING**
- A) MARKING LINE PAINT 6-INCH (SKIPS)
  - B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
  - C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)



PI STA = 275+00.99  
 Y = 383875.724  
 X = 534667.207  
 DELTA = 18°58'19" LT  
 D = 5°15'52"  
 T = 181.85'  
 L = 360.37'  
 R = 1088.34'  
 PC STA = 273+19.14  
 PT STA = 276+79.52



PT: 276+79.52

PC: 287+07.24

CTH I  
 N18°52'41"W

276 278 280 282 284 286 288



PAVEMENT MARKING C  
 STA 253+75 TO 331+90

**PAVEMENT MARKING**  
 A) MARKING LINE PAINT 6-INCH (SKIPS)  
 B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)  
 C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

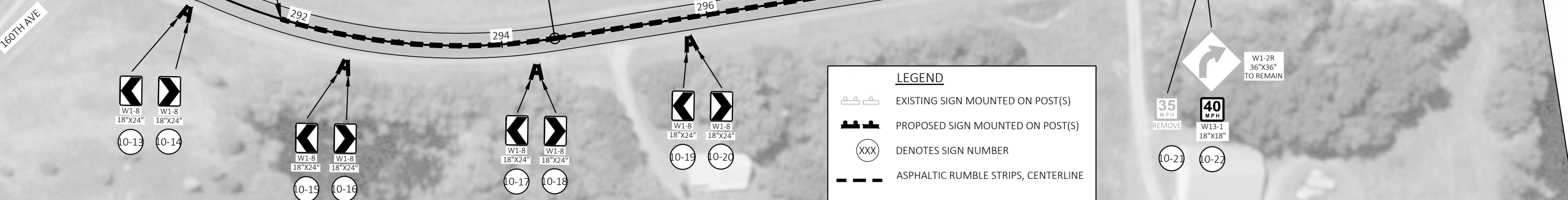
STA 287+54 TO 289+54  
 MARKING LINE PAINT 10-INCH

PI STA = 291+37.33  
 Y = 385427.189  
 X = 534136.684  
 DELTA = 71°54'16" LT  
 D = 9°39'43"  
 T = 430.09'  
 L = 744.20'  
 R = 593.00'  
 PC STA = 287+07.24  
 PT STA = 294+51.44

PAVEMENT MARKING C  
 STA 253+75 TO 331+90

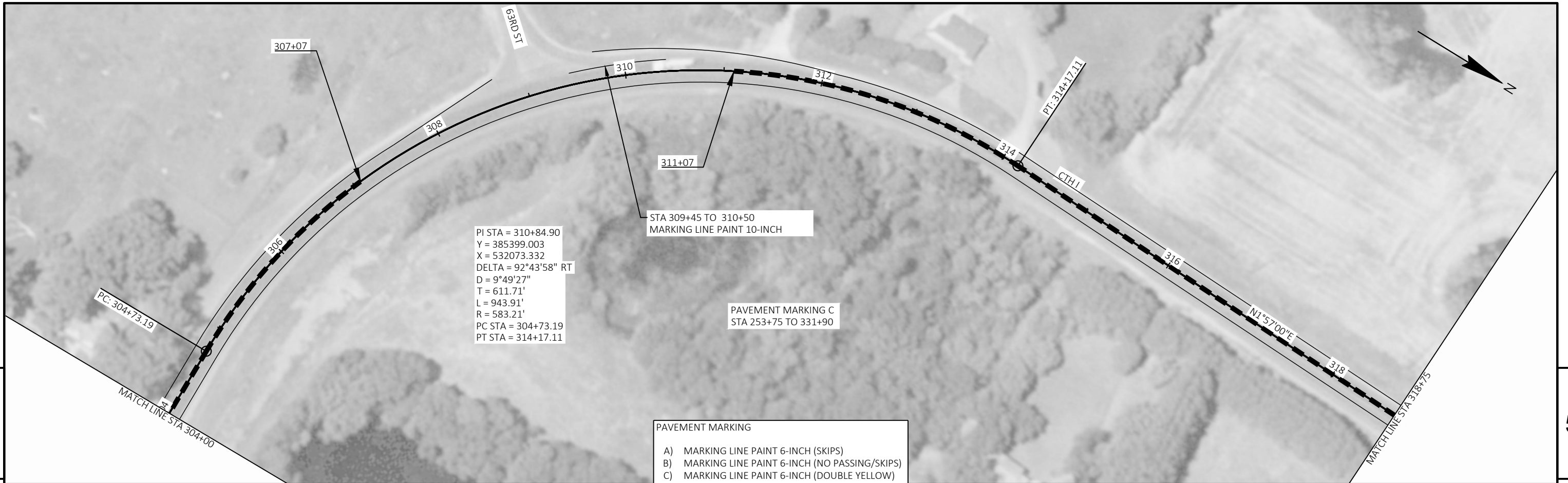
STA 287+54 TO 289+54  
 MARKING LINE PAINT 10-INCH

PT: 294+51.44



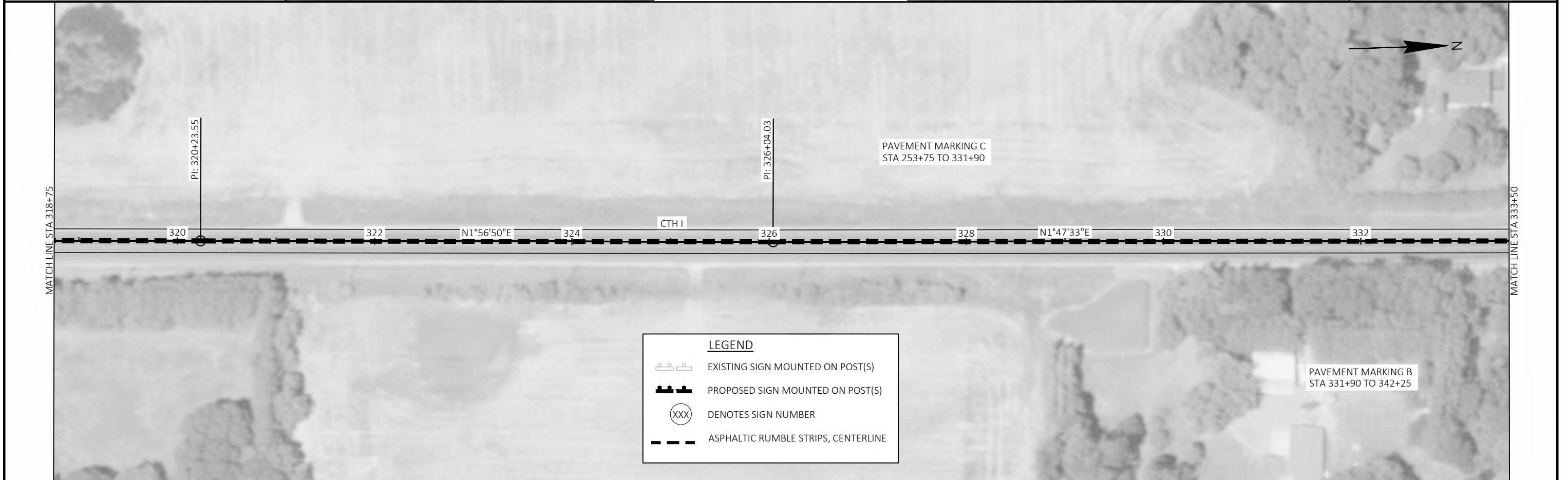
**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE



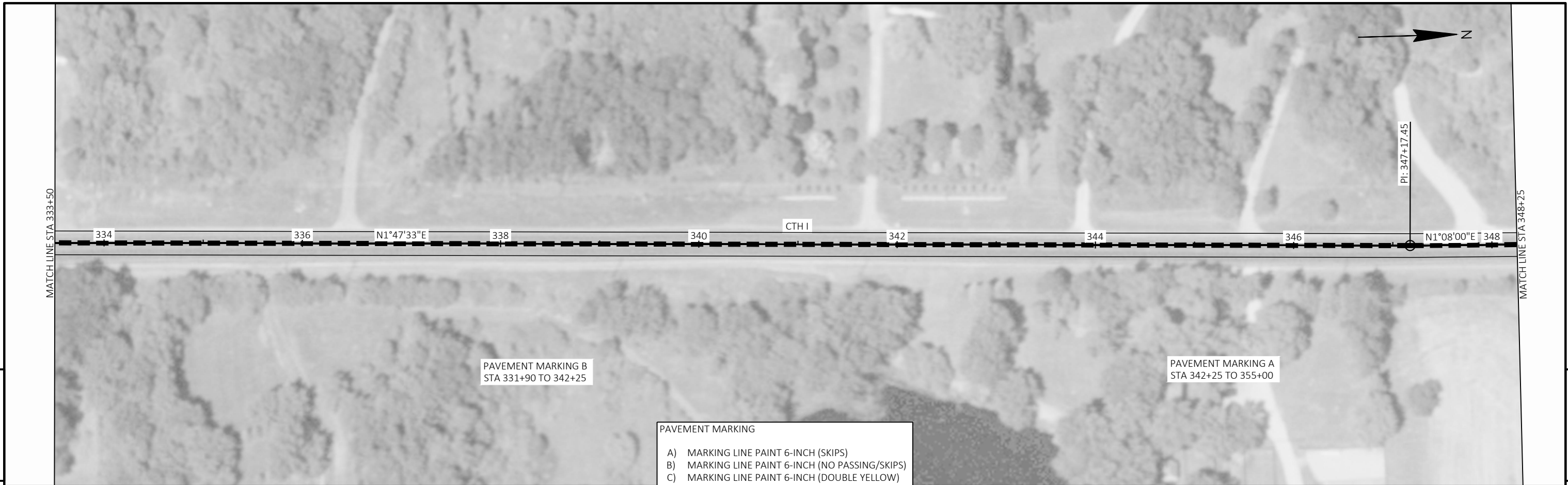
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**LEGEND**

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- ASPHALTIC RUMBLE STRIPS, CENTERLINE



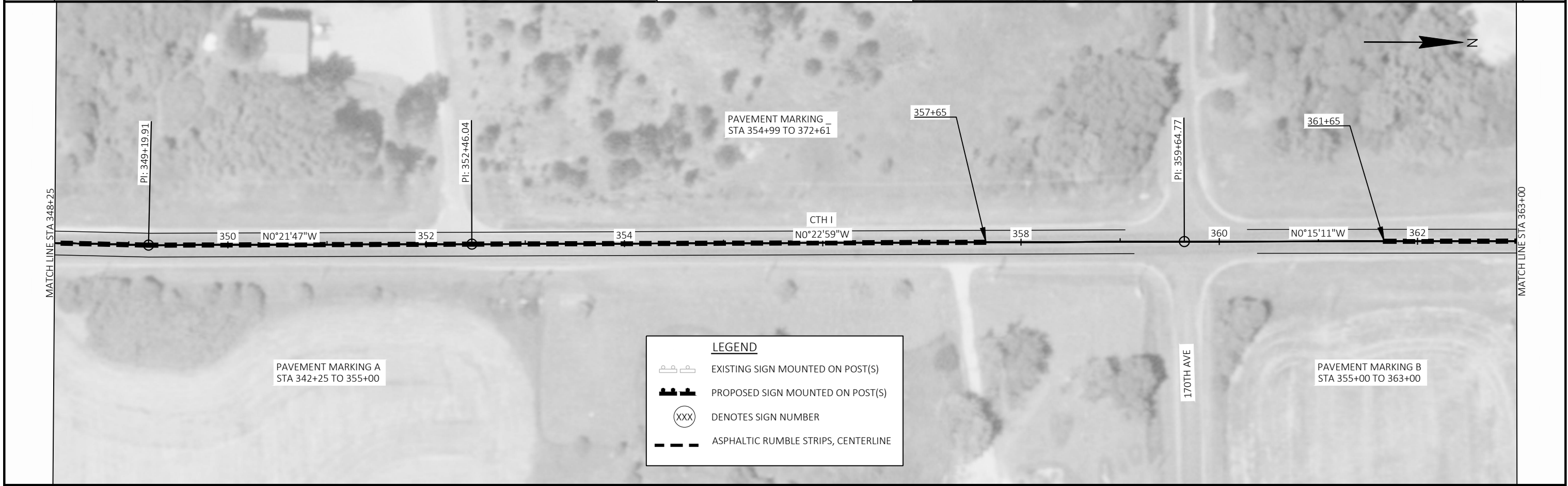
5

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PAVEMENT MARKING B  
STA 331+90 TO 342+25

PAVEMENT MARKING A  
STA 342+25 TO 355+00

- PAVEMENT MARKING
- A) MARKING LINE PAINT 6-INCH (SKIPS)
  - B) MARKING LINE PAINT 6-INCH (NO PASSING/SKIPS)
  - C) MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)



5

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PAVEMENT MARKING A  
STA 342+25 TO 355+00

PAVEMENT MARKING \_  
STA 354+99 TO 372+61

PAVEMENT MARKING B  
STA 355+00 TO 363+00

- LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
  - PROPOSED SIGN MOUNTED ON POST(S)
  - DENOTES SIGN NUMBER
  - ASPHALTIC RUMBLE STRIPS, CENTERLINE

PROJECT NO: 8939-03-78	HWY: CTH I	COUNTY: ST. CROIX	PLAN SHEETS	SHEET	<b>E</b>
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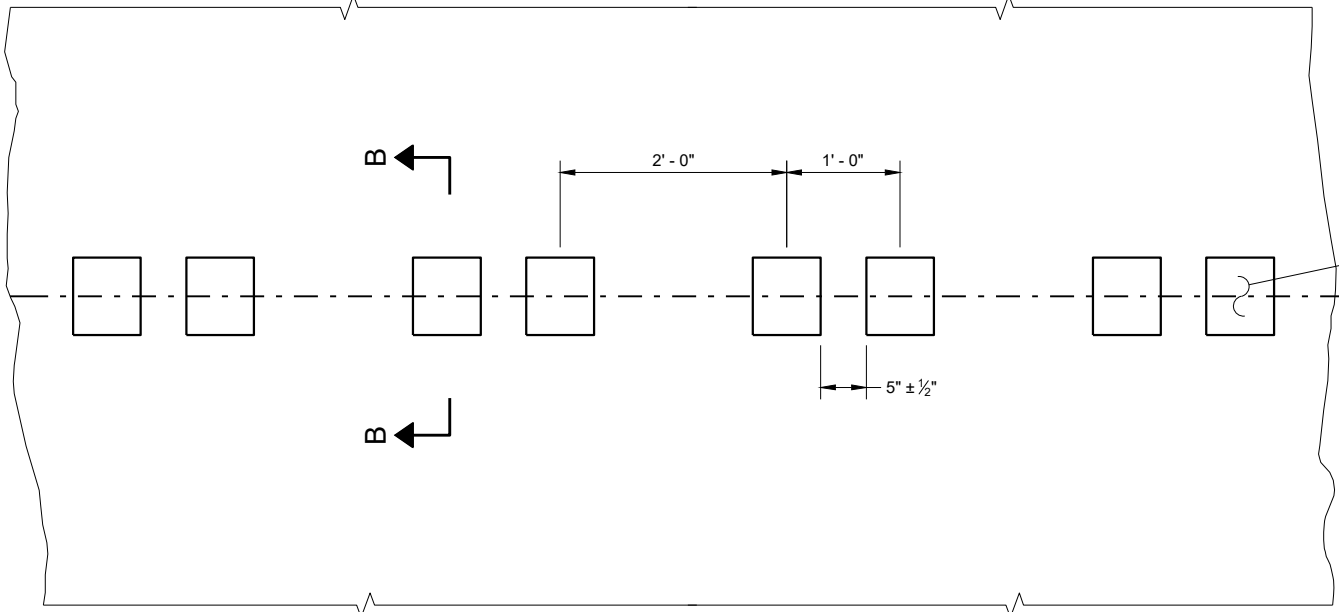
## Standard Detail Drawing List

13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04B	CENTERLINE RUMBLE STRIPS - CONCRETE
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
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
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS

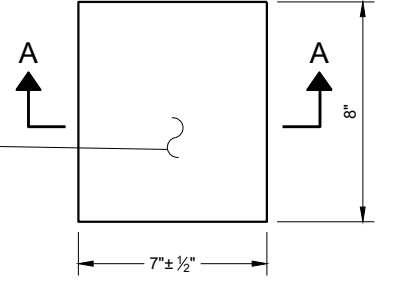
**GENERAL NOTES**

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

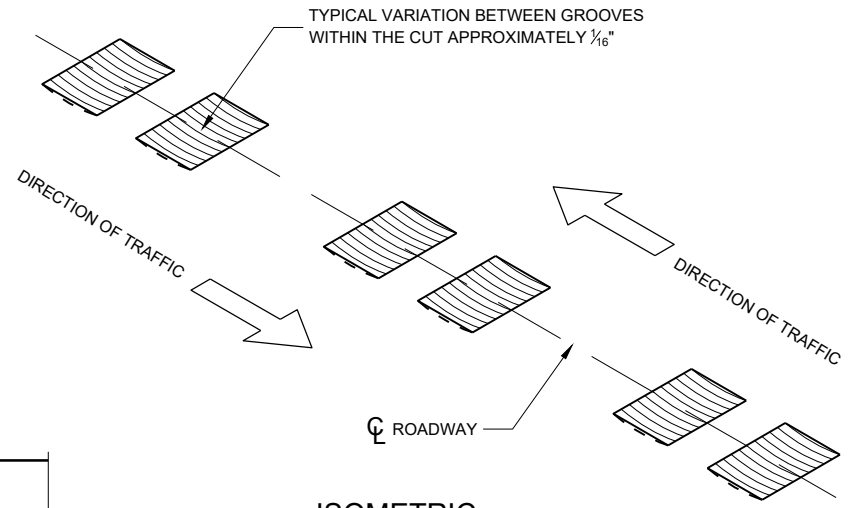
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



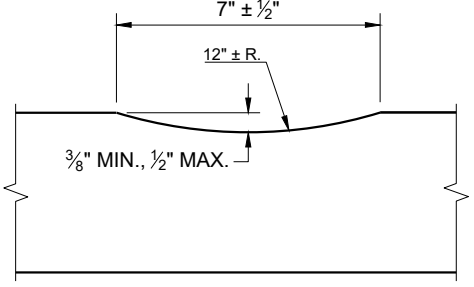
**PLAN DETAIL VIEW**



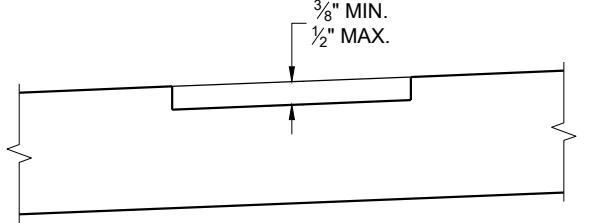
**PLAN VIEW (SINGLE GROOVE)**



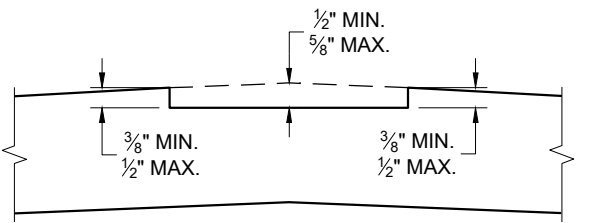
**ISOMETRIC**



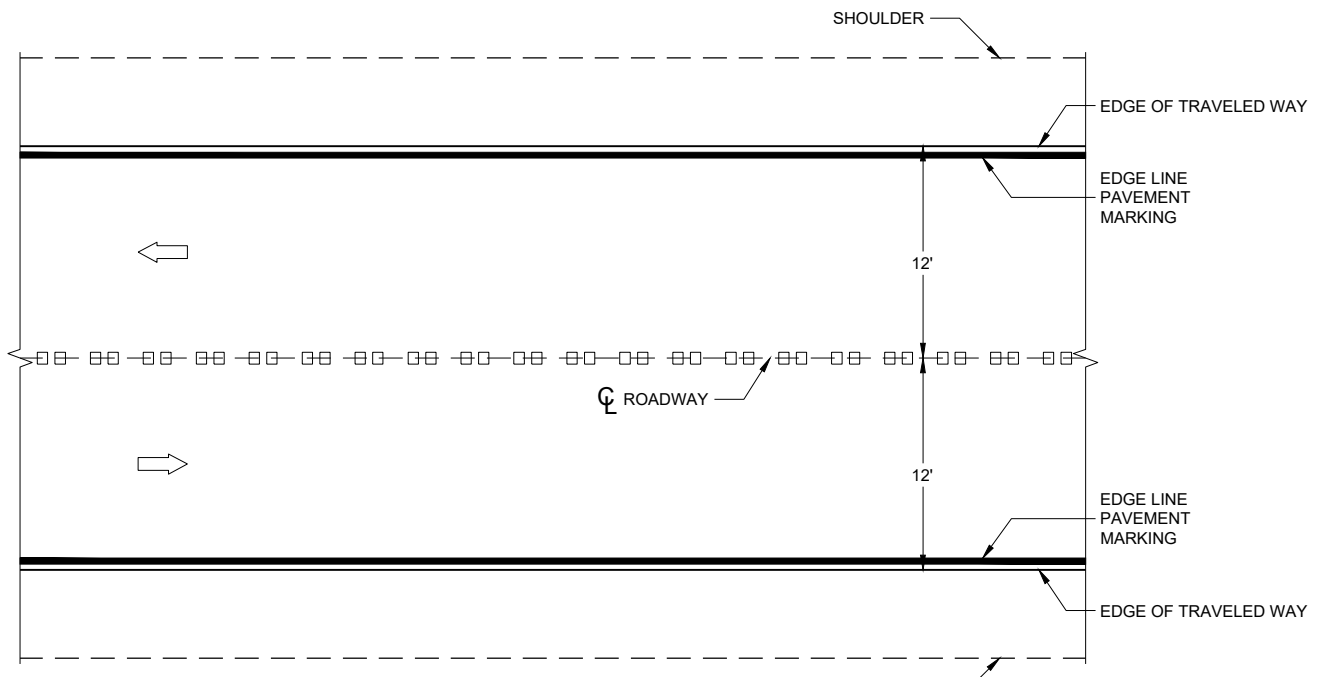
**SECTION A - A**



**SECTION B - B SUPERELEVATED ROADWAY**



**SECTION B - B CROWNED ROADWAY**



**PLAN VIEW**

**CENTERLINE RUMBLE STRIPS - ASPHALT**

<b>CENTERLINE RUMBLE STRIPS - ASPHALT</b>
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

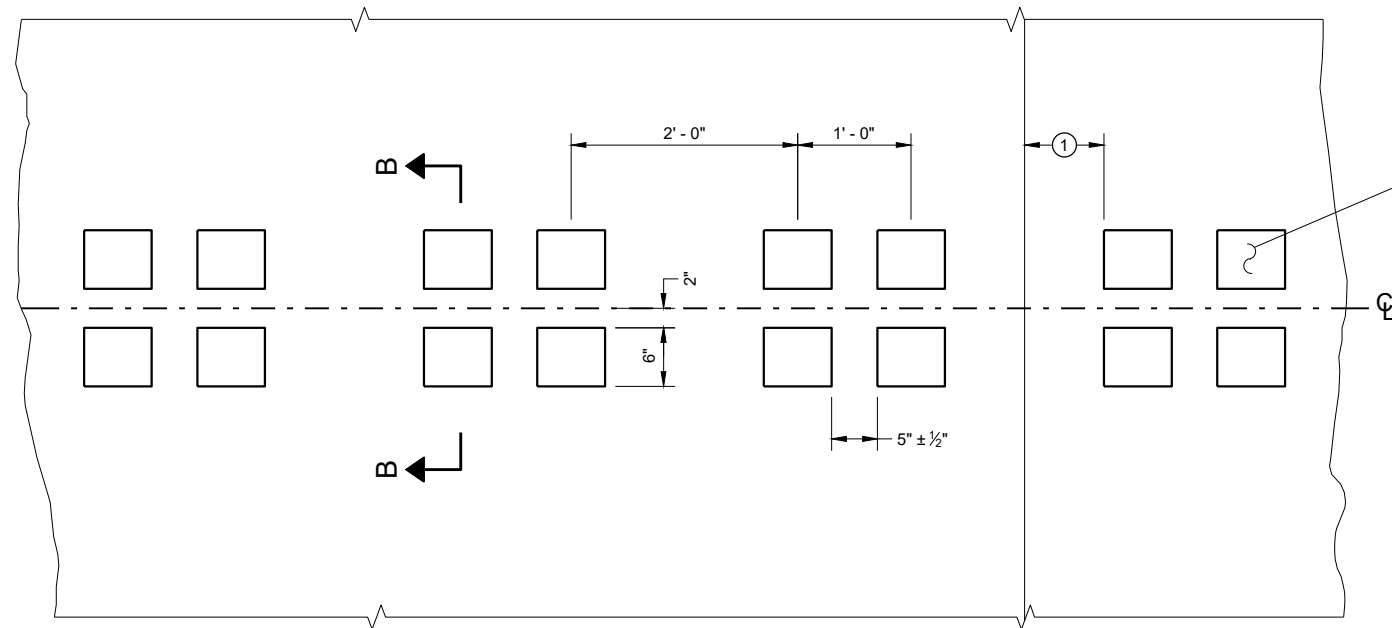
**GENERAL NOTES**

SDD 13A11, SHEET "d" SHOWS THE LOCATION OF RUMBLE STRIPS AT INTERSECTIONS, INTERSECTIONS WITH LEFT TURN LANES, BRIDGES, COMMERCIAL AND RESIDENTIAL DRIVEWAYS AND RAILROAD CROSSINGS.

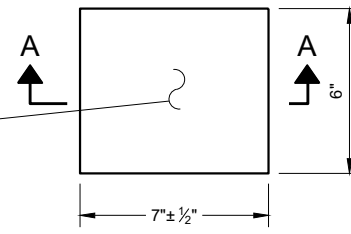
TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

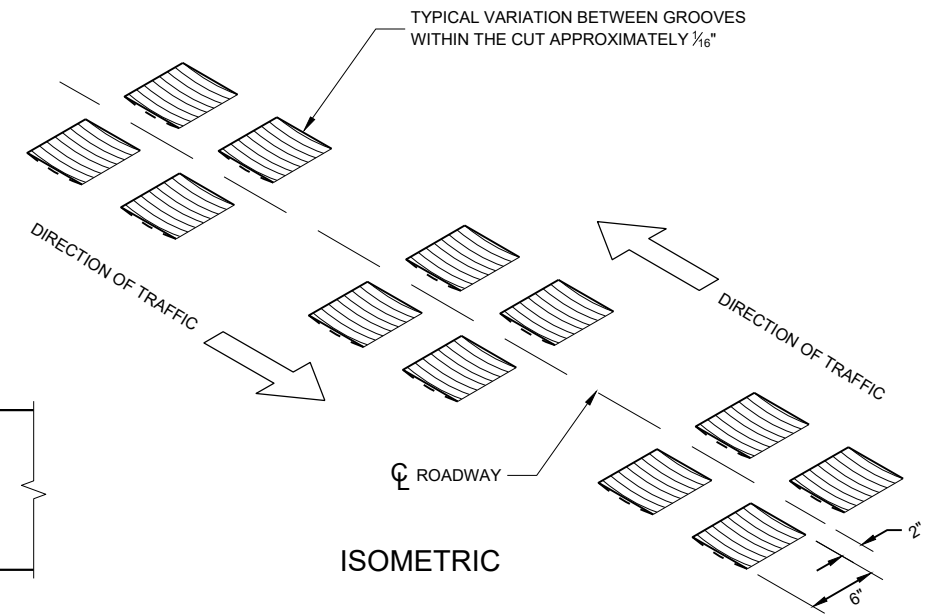
① CONCRETE PAVEMENT RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES FROM TRANSVERSE JOINTS.



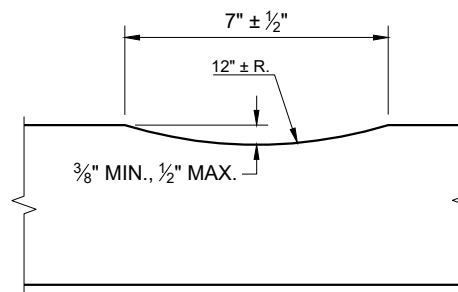
**PLAN DETAIL VIEW**



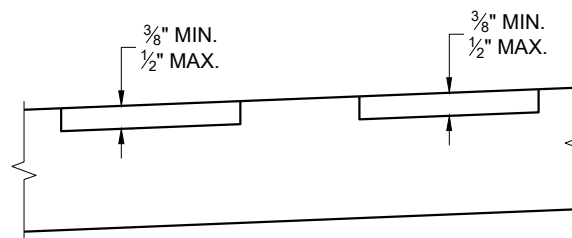
**PLAN VIEW  
(SINGLE GROOVE)**



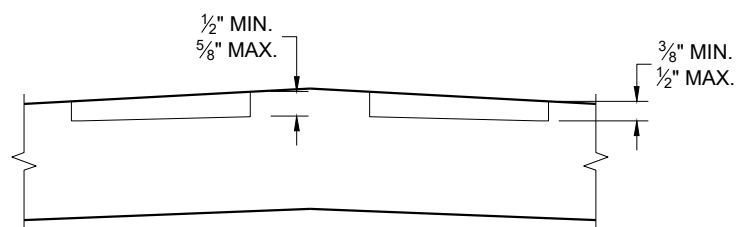
**ISOMETRIC**



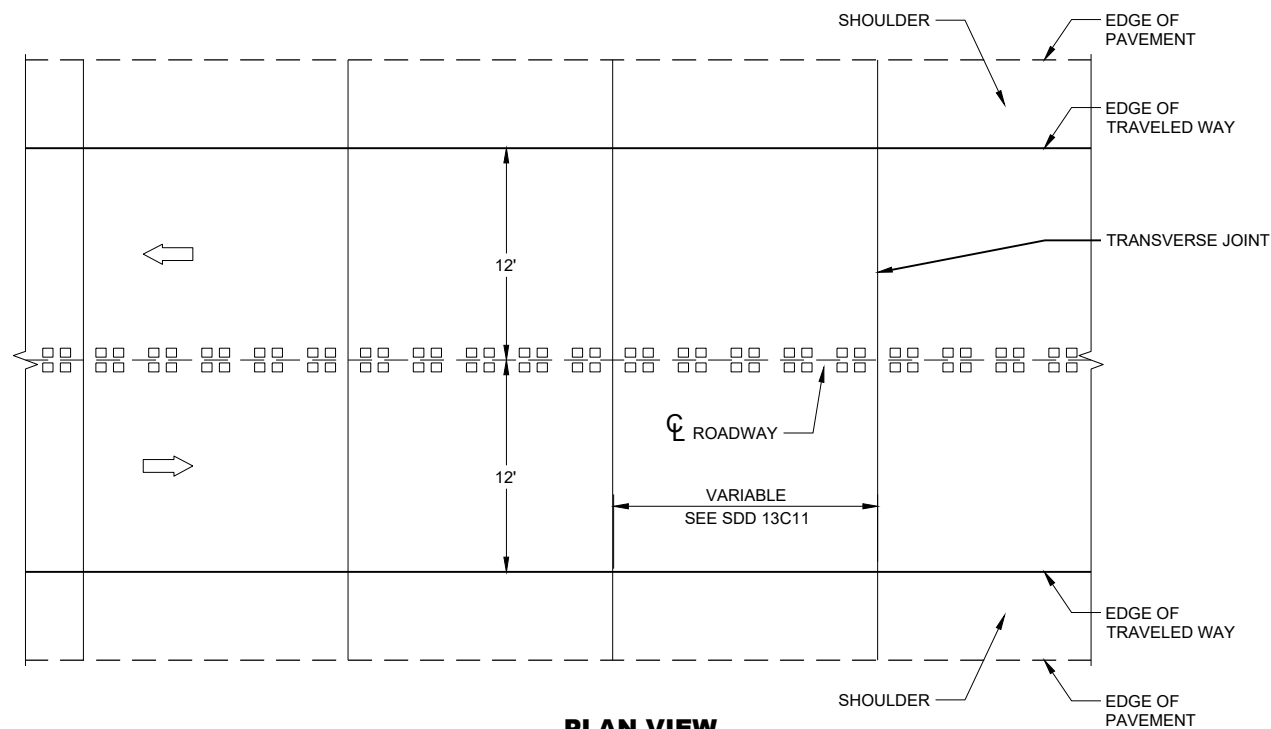
**SECTION A - A**



**SECTION B - B  
SUPERELEVATED ROADWAY**



**SECTION B - B  
CROWNED ROADWAY**



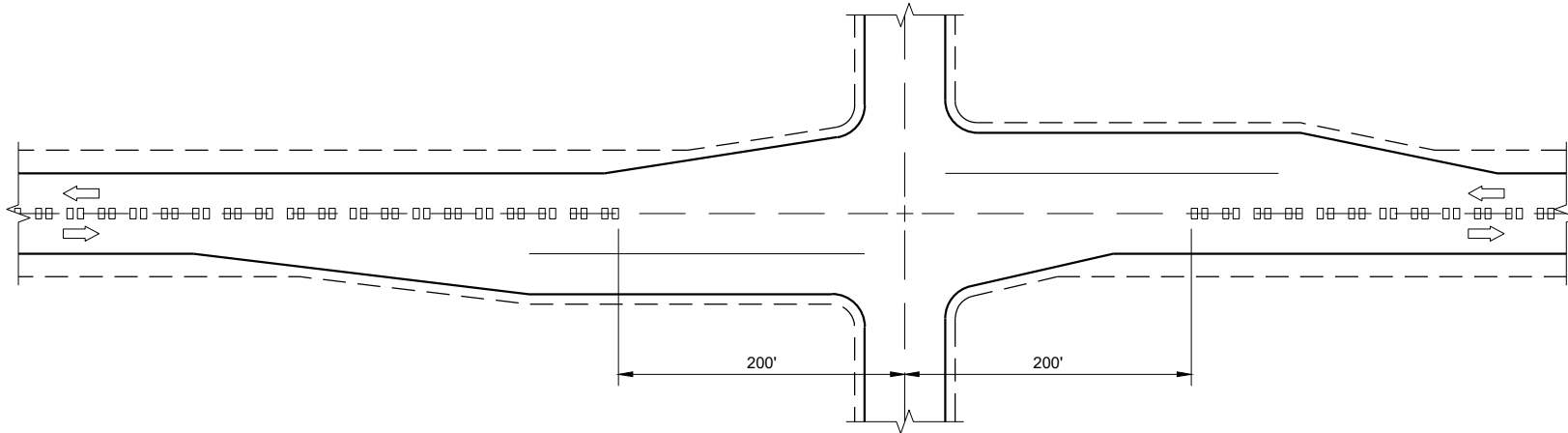
**PLAN VIEW**

**CENTERLINE RUMBLE STRIPS - CONCRETE**

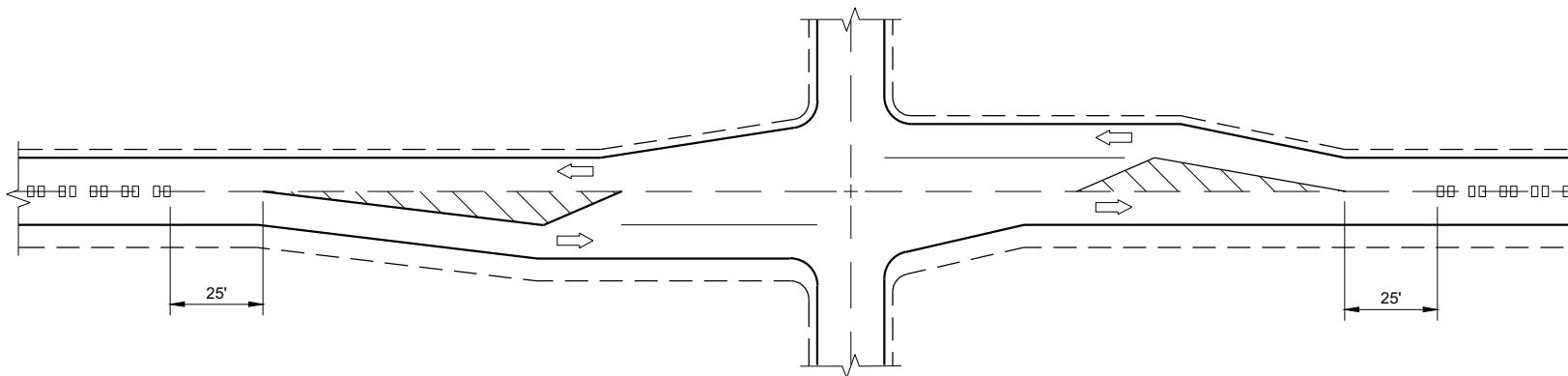
**CENTERLINE RUMBLE STRIPS - CONCRETE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

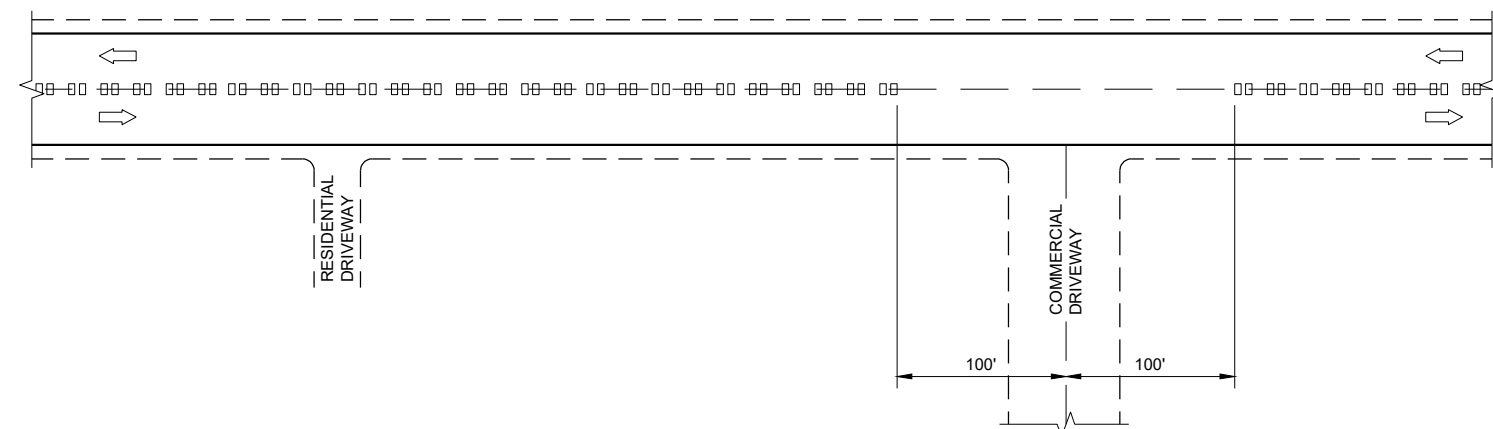




**CENTERLINE GROOVES AT INTERSECTIONS**



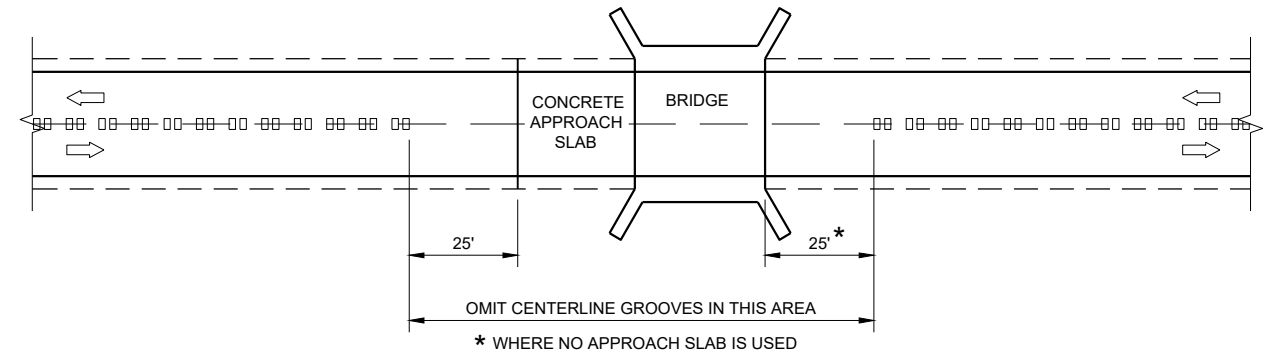
**CENTERLINE GROOVES AT INTERSECTIONS  
(WITH LEFT TURN LANES)**



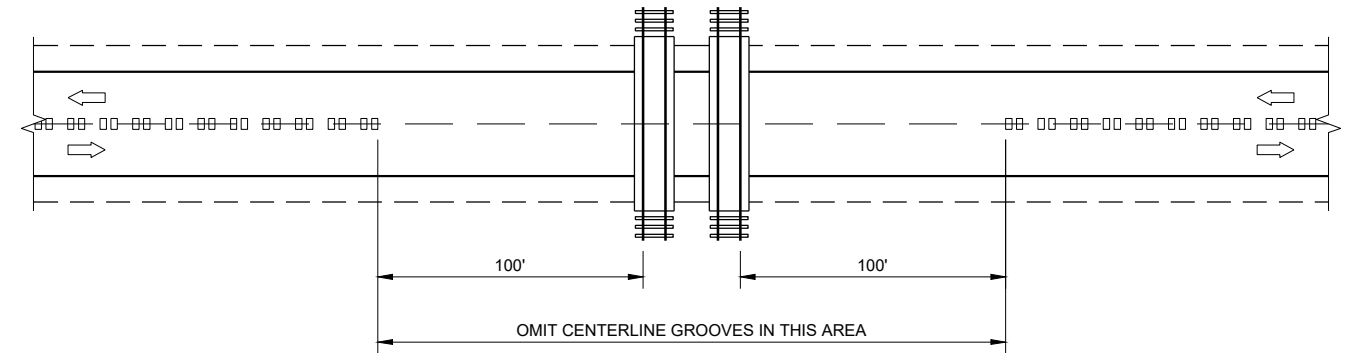
**CENTERLINE GROOVES AT DRIVEWAYS<sup>①</sup>**

**GENERAL NOTES**

① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



**CENTERLINE GROOVES AT BRIDGES**



**CENTERLINE GROOVES AT RAILROADS**

6

6

SDD 13A11 - 04d

SDD 13A11 - 04d

<b>CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ John Jenkins ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

**GENERAL NOTES**

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.




ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

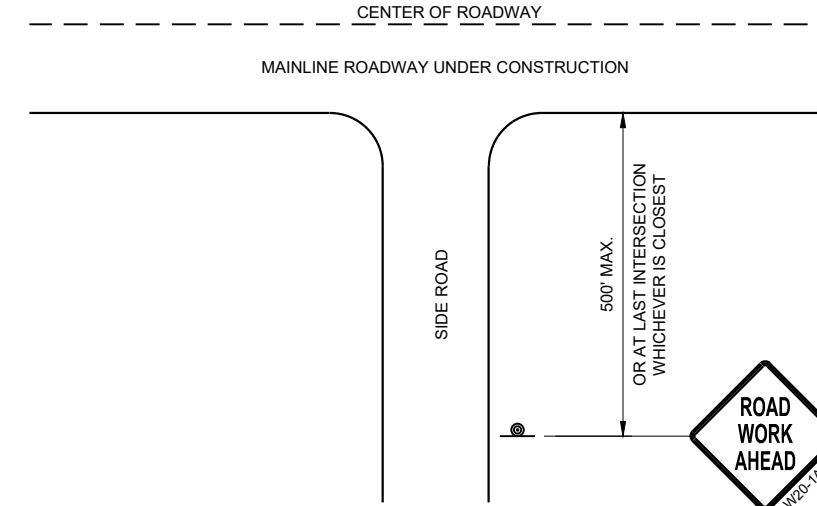
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

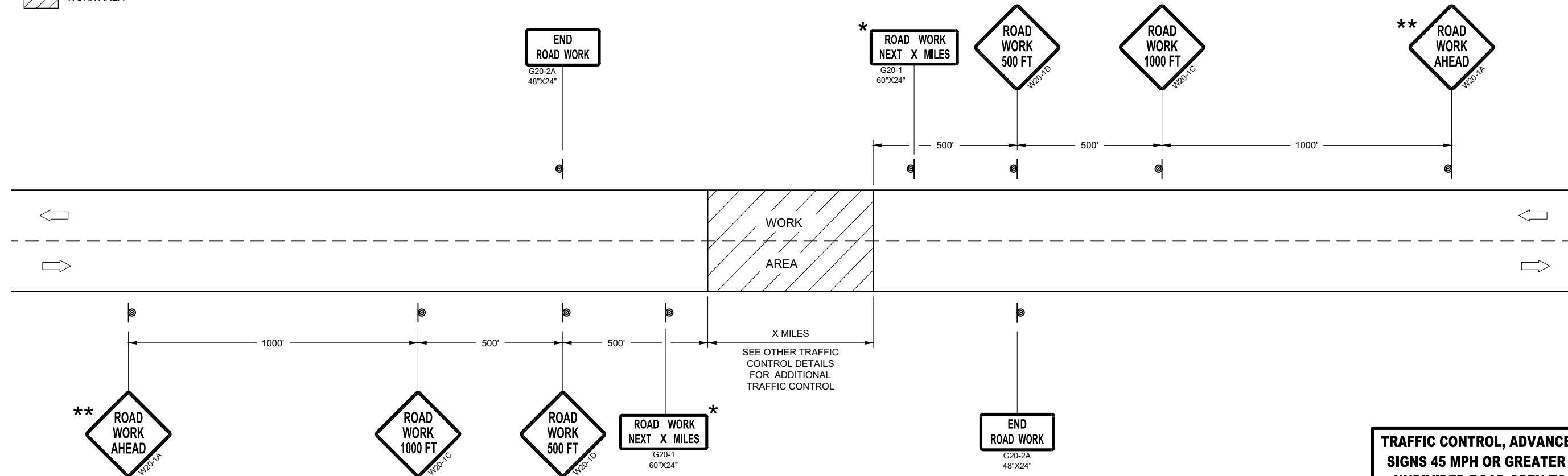
- \* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- \*\* PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA



**TYPICAL SIDE ROAD APPROACH  
WARNING SIGN DETAIL**



**TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER**

**TRAFFIC CONTROL, ADVANCE WARNING  
SIGNS 45 MPH OR GREATER TWO-WAY  
UNDIVIDED ROAD OPEN TO TRAFFIC**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED \_\_\_\_\_ /S/ Andrew Heidtke  
DATE July 2018 WORK ZONE ENGINEER

FHWA

**GENERAL NOTES**

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.




ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

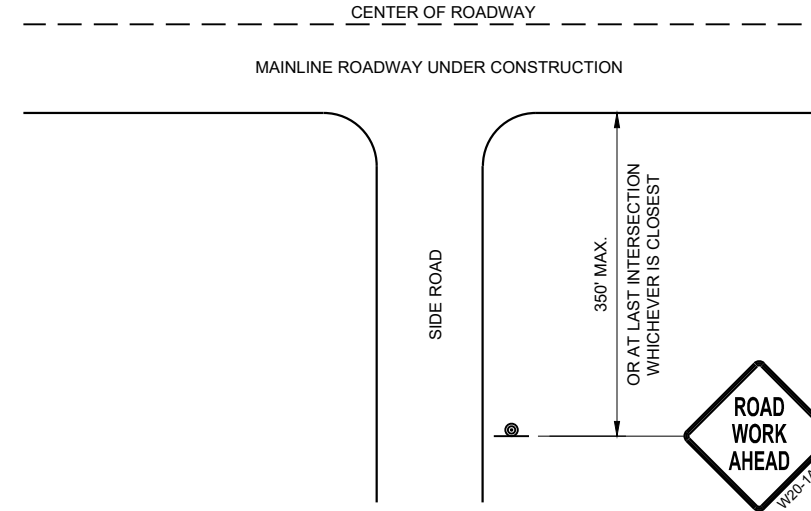
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

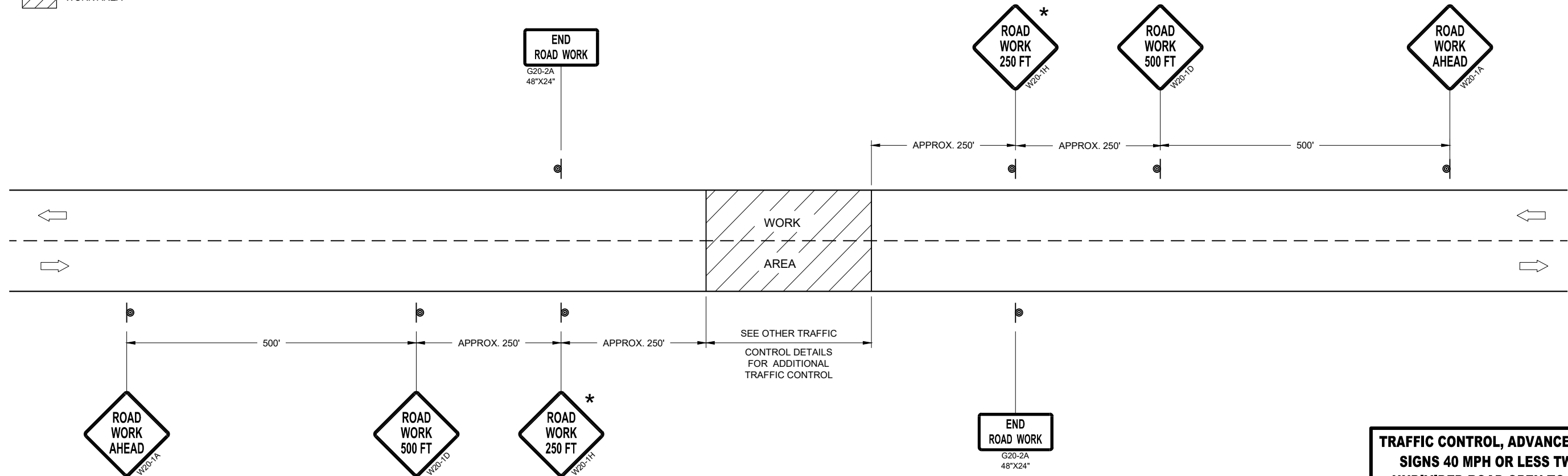
\* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA



**TYPICAL SIDE ROAD APPROACH  
WARNING SIGN DETAIL**



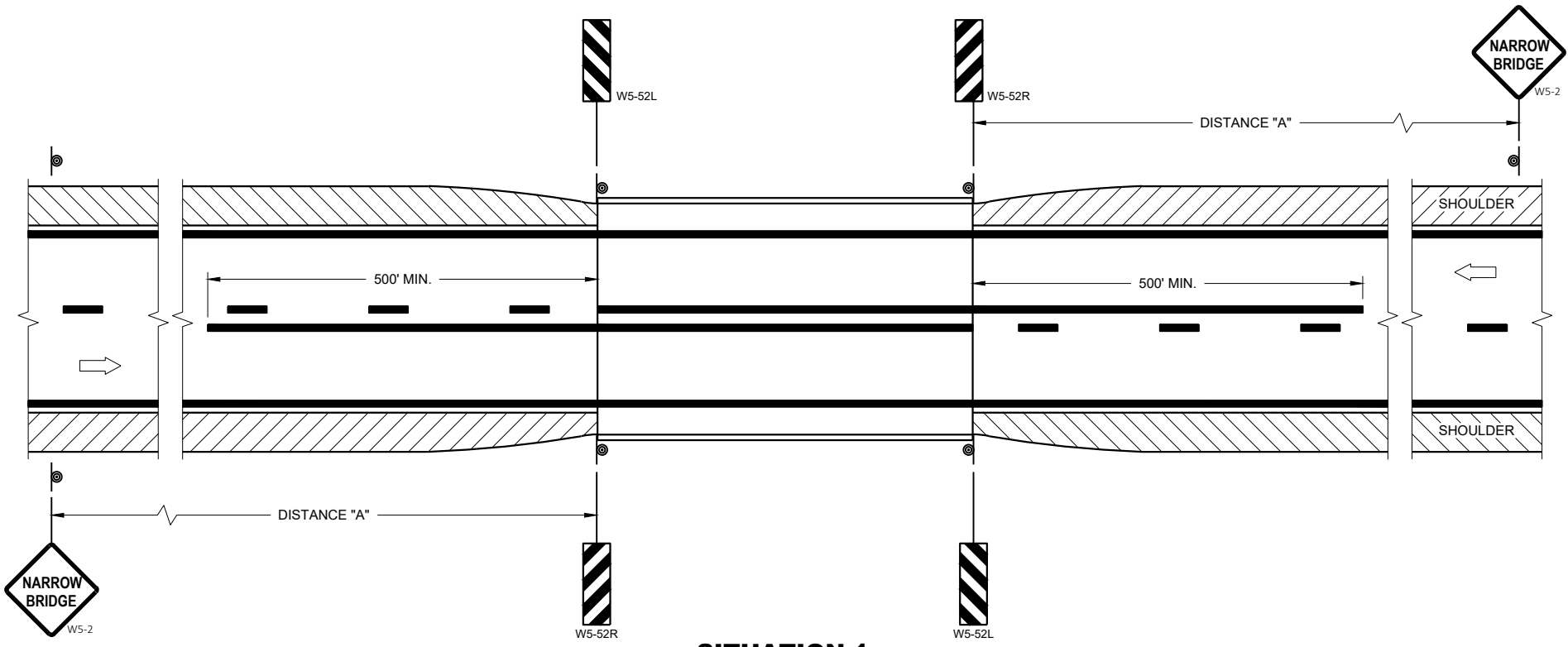
**TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS**

**TRAFFIC CONTROL, ADVANCE WARNING  
SIGNS 40 MPH OR LESS TWO-WAY  
UNDIVIDED ROAD OPEN TO TRAFFIC**

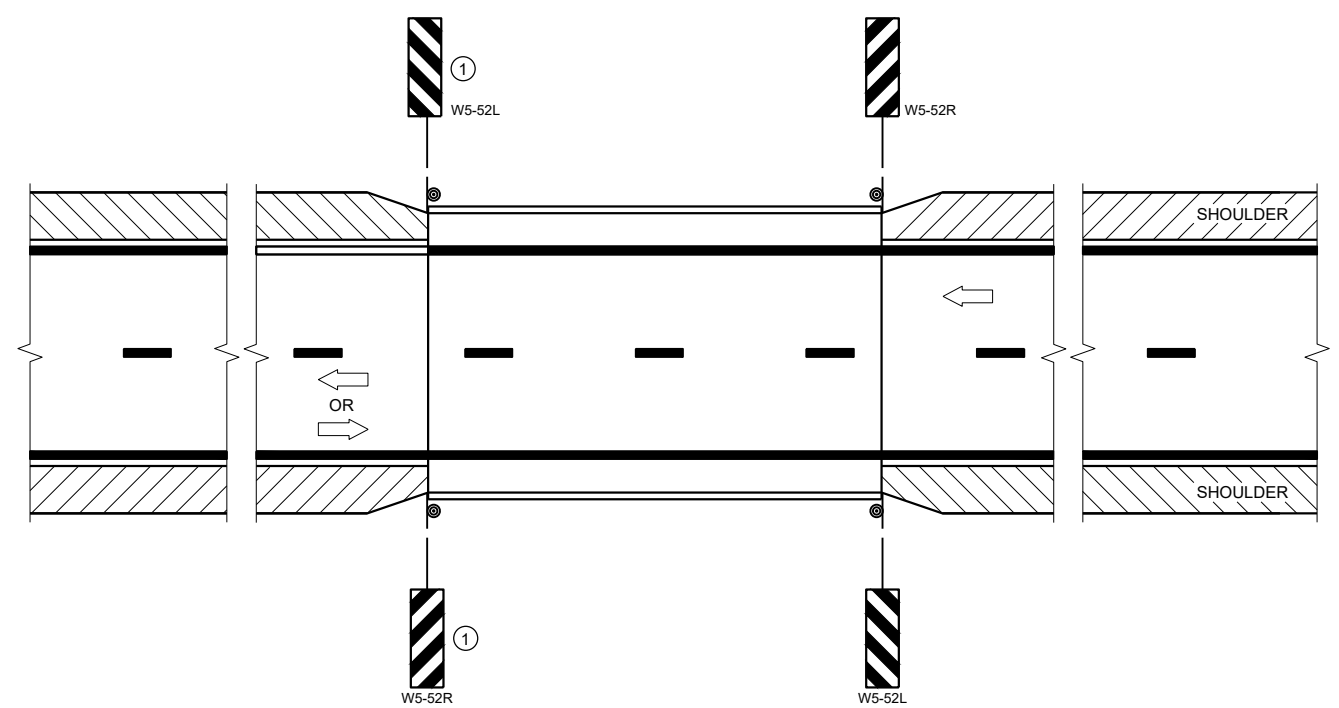
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
July 2018 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



**SITUATION 1**  
 WARRANTING CRITERIA:  
 BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.



**SITUATION 2**  
 WARRANTING CRITERIA:  
 1. BRIDGE WIDTH IS AT LEAST 24 FEET AND  
 2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

**GENERAL NOTES**

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

① OMIT ON ONE-WAY TRAVELED WAYS.

**LEGEND**

- ⊙ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC

**DISTANCE TABLE**

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

6

6

SDD 15C06-12

SDD 15C06-12

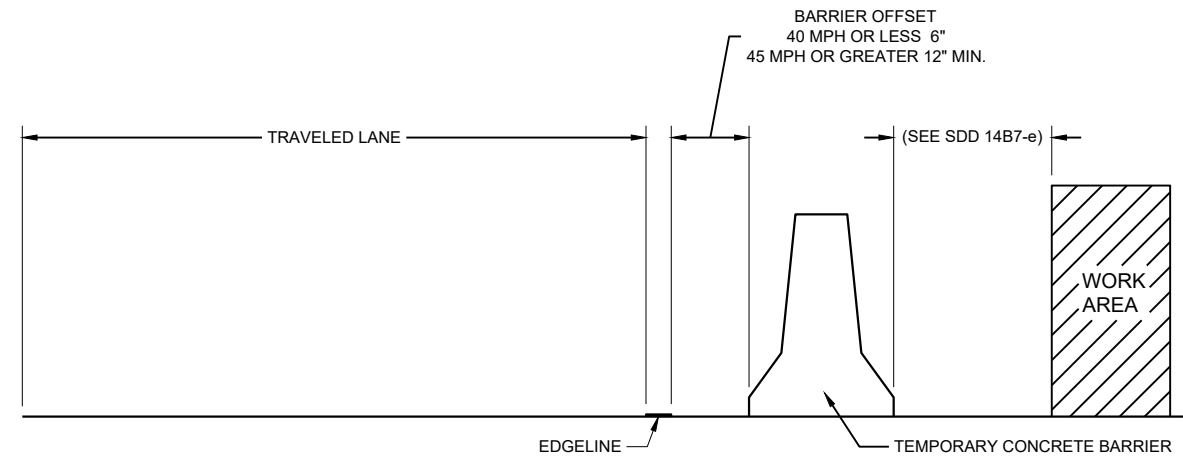
**SIGNING AND MARKING FOR TWO LANE BRIDGES**

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

APPROVED  
 May 2023 /S/ Jeannie Silver  
 DATE STATE SIGNING AND MARKING ENGINEER

FHWA





**TEMPORARY BARRIER OFFSET FROM EDGELINE**

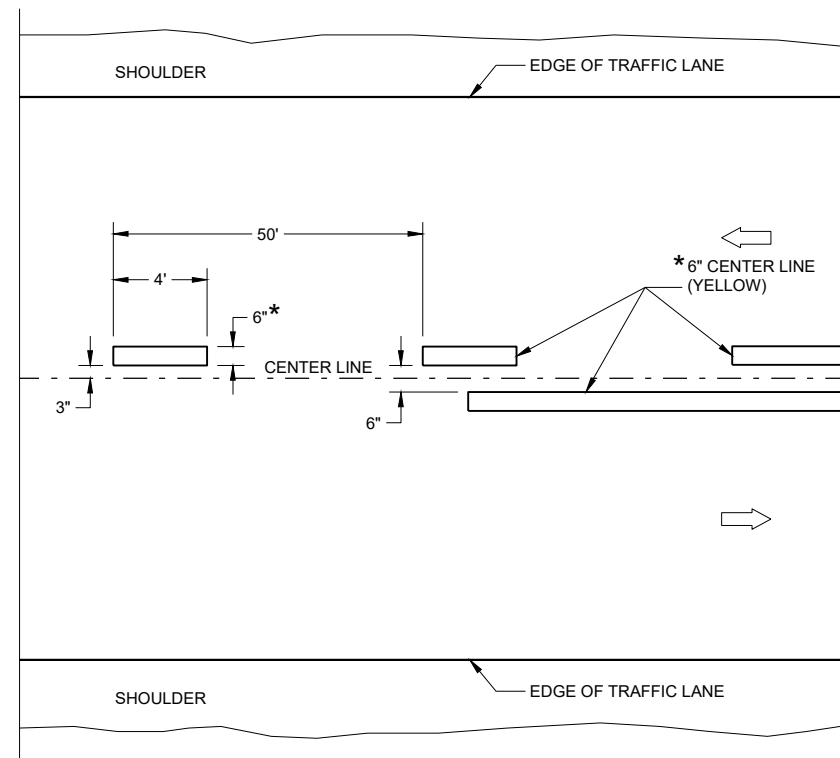
**GENERAL NOTES**

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

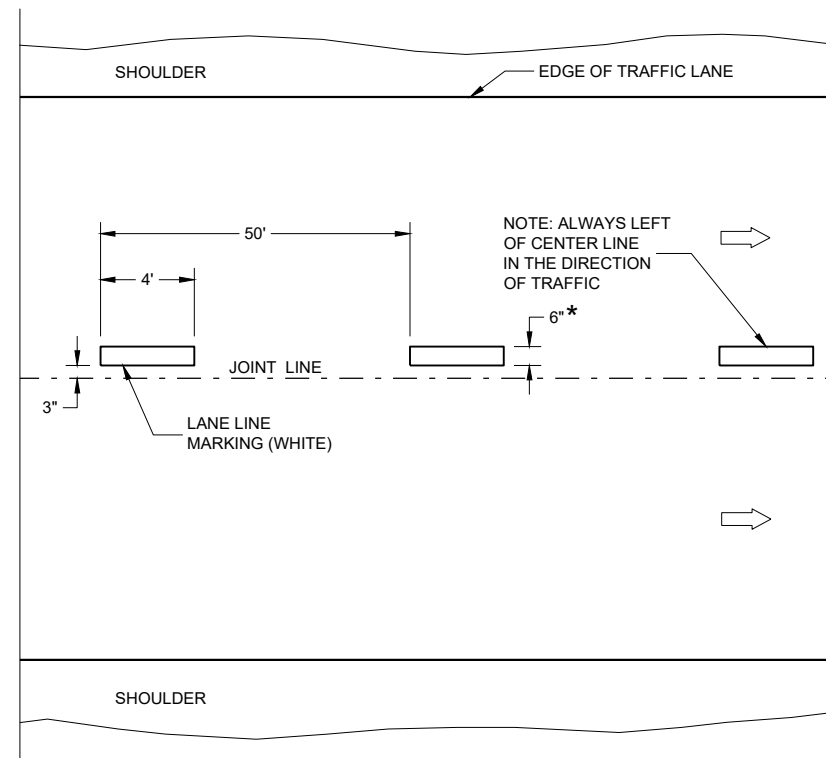
**LEGEND**

➡ DIRECTION OF TRAFFIC

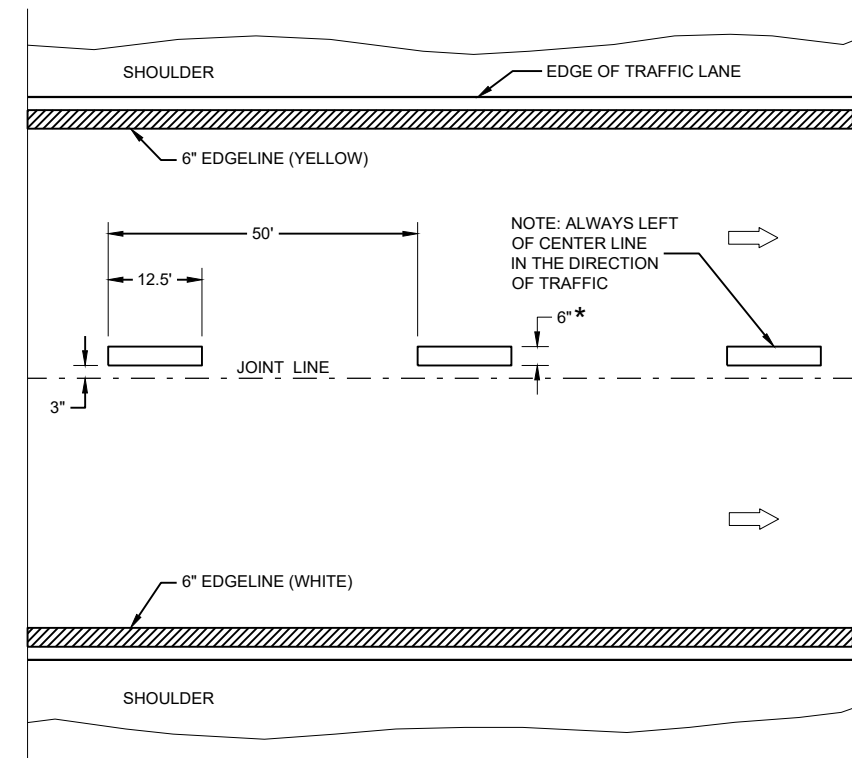
\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



**TWO WAY TRAFFIC**



**ONE WAY TRAFFIC**



**FREEWAYS AND EXPRESSWAYS**

**TEMPORARY PAVEMENT MARKING**

**TEMPORARY LONGITUDINAL PAVEMENT MARKING**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

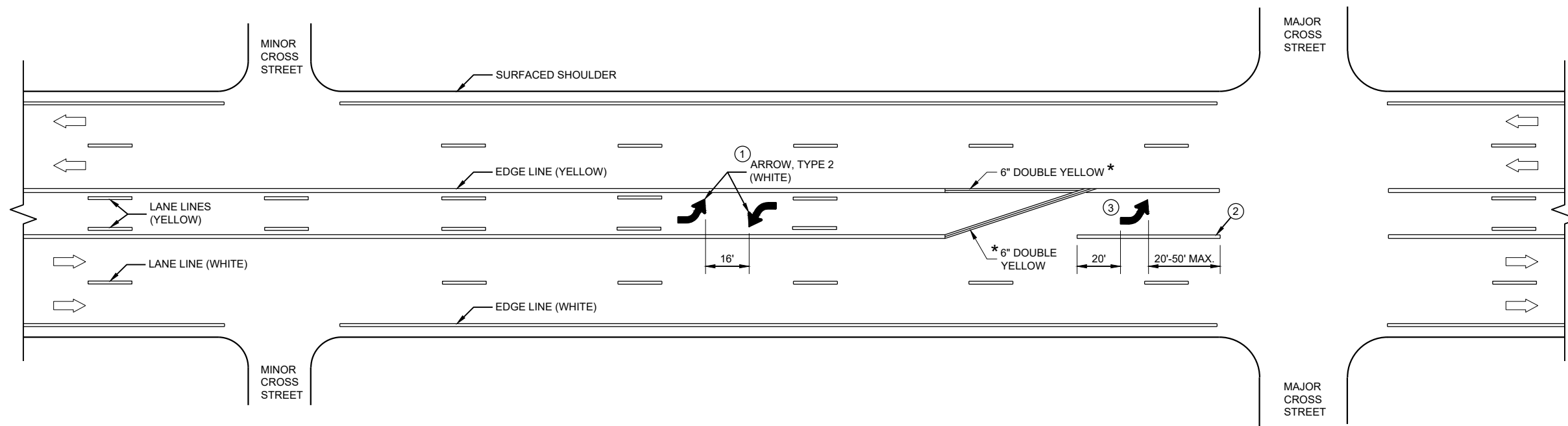
APPROVED  
DATE: May 2023 /S/ Jeannie Silver  
STATEWIDE SIGNING AND MARKING ENGINEER

**GENERAL NOTES**

- ① A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ② 10" WHITE
- ③ TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

➡ DIRECTION OF TRAFFIC

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES








**TWO WAY LEFT TURN LANE**

**PAVEMENT MARKING  
(TURN LANES)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**LEGEND**

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

**GENERAL NOTES**

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

**FLAGGING**

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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.

**TEMPORARY PORTABLE RUMBLE STRIPS**

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

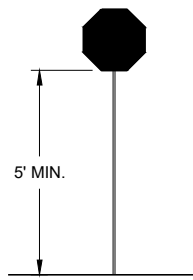
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



**STOP/SLOW PADDLE ON SUPPORT STAFF**

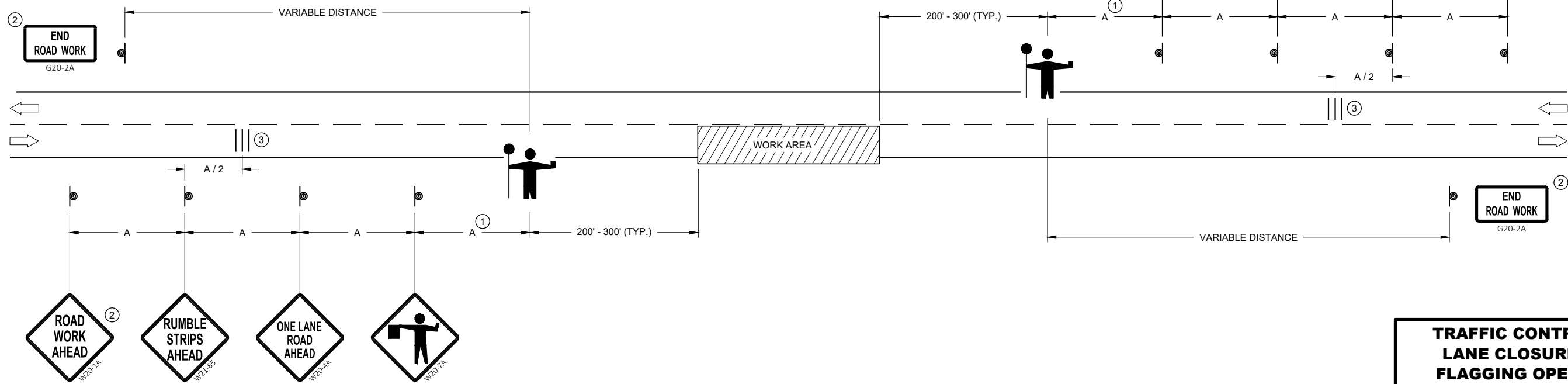
**SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE**

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



W03-4

USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



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






STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
DATE: May 2022 /S/ Andrew Heidtke  
WORK ZONE ENGINEER

FHWA



**LEGEND**

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)

**GENERAL NOTES**

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

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

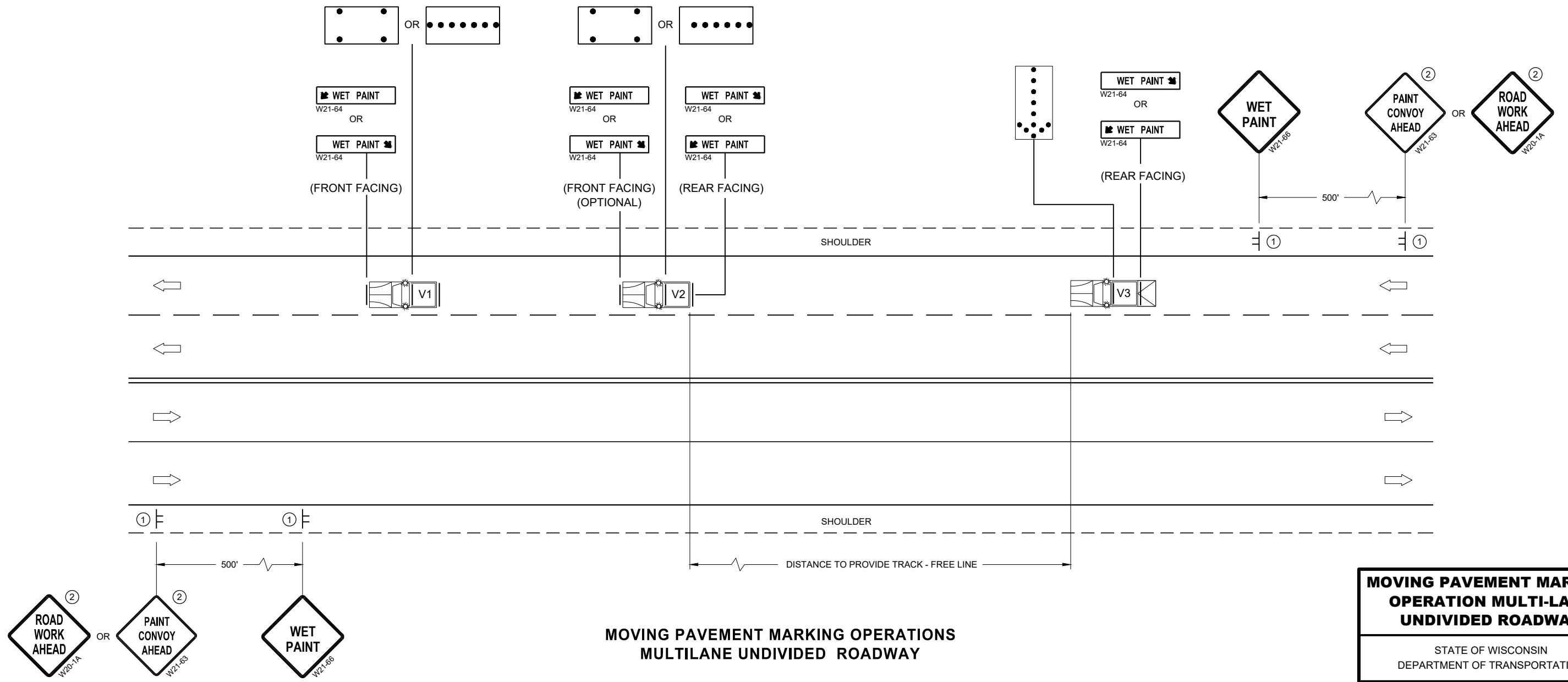
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL HAVE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS.

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

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6

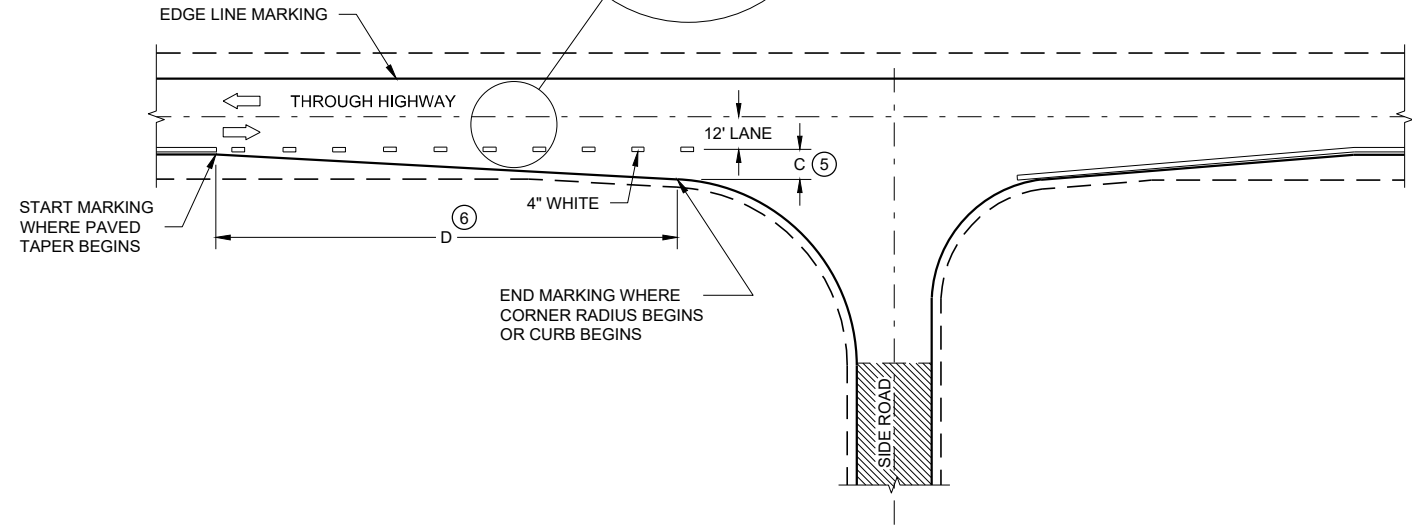
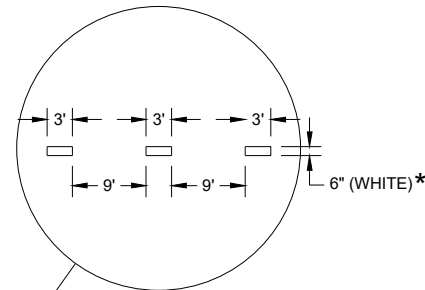


SDD 15C19-08b

SDD 15C19-08b

**MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE UNDIVIDED ROADWAY**

<b>MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



**MINOR INTERSECTION**

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

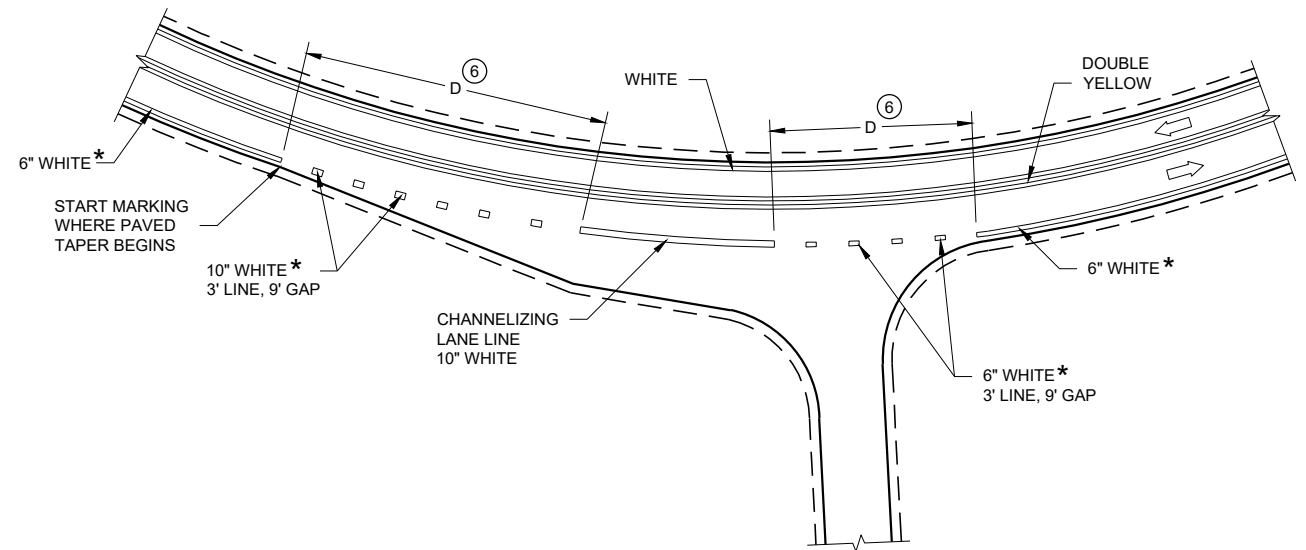
**GENERAL NOTES**

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

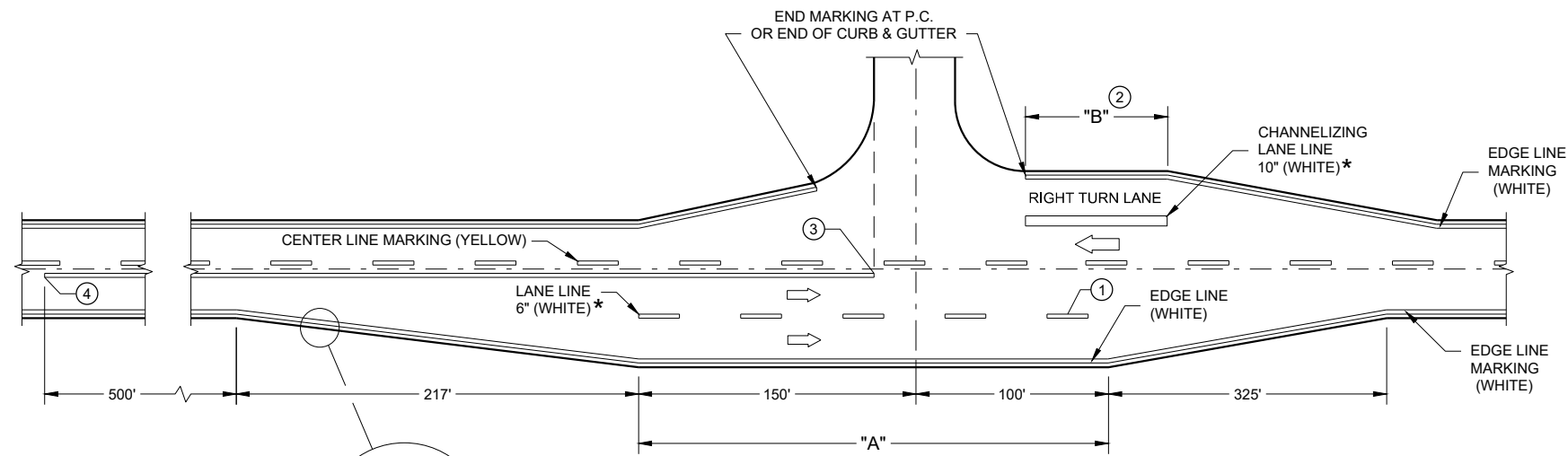
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑤ WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
- ⑥ WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

**LEGEND**

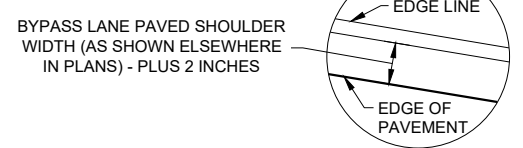
➔ DIRECTION OF TRAVEL



**INTERSECTION ON OUTSIDE OF CURVE**



**MAJOR INTERSECTIONS  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)**

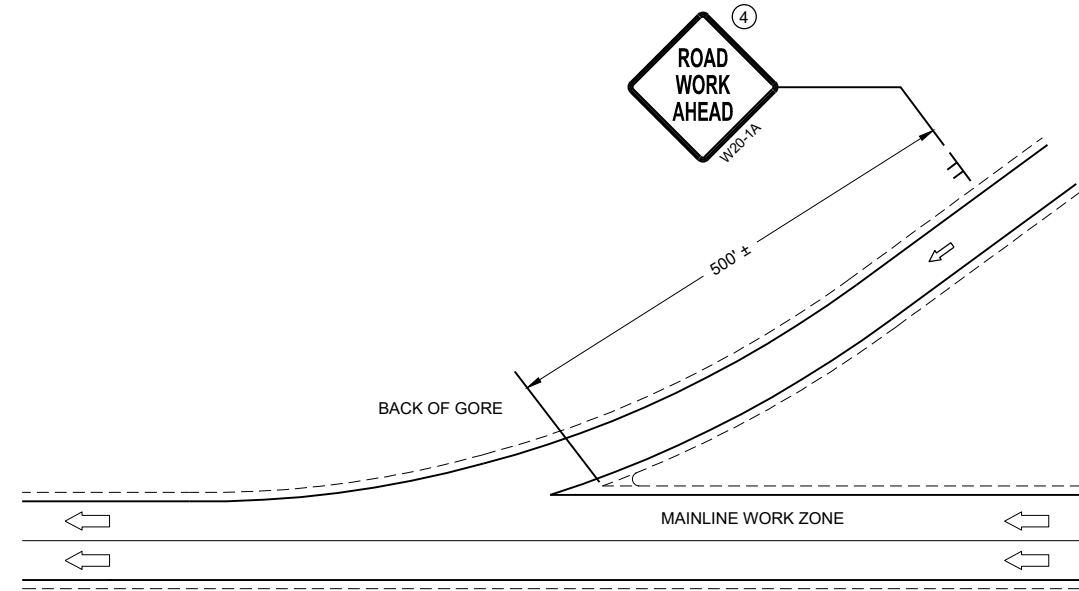


**PAVEMENT MARKING  
(INTERSECTIONS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**LEGEND**

- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- TRAFFIC CONTROL DRUM
- ◻ TRUCK MOUNTED ATTENUATOR (TMA)
- ⊥ SIGN ON TEMPORARY SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ◻ FLASHING ARROW PANEL (MERGE)
- ◻ FLASHING ARROW PANEL (CAUTION)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ▨ WORK AREA



**GENERAL NOTES**

SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

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

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

WHEN WORK ACTIVITY BLOCKS THE RIGHT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

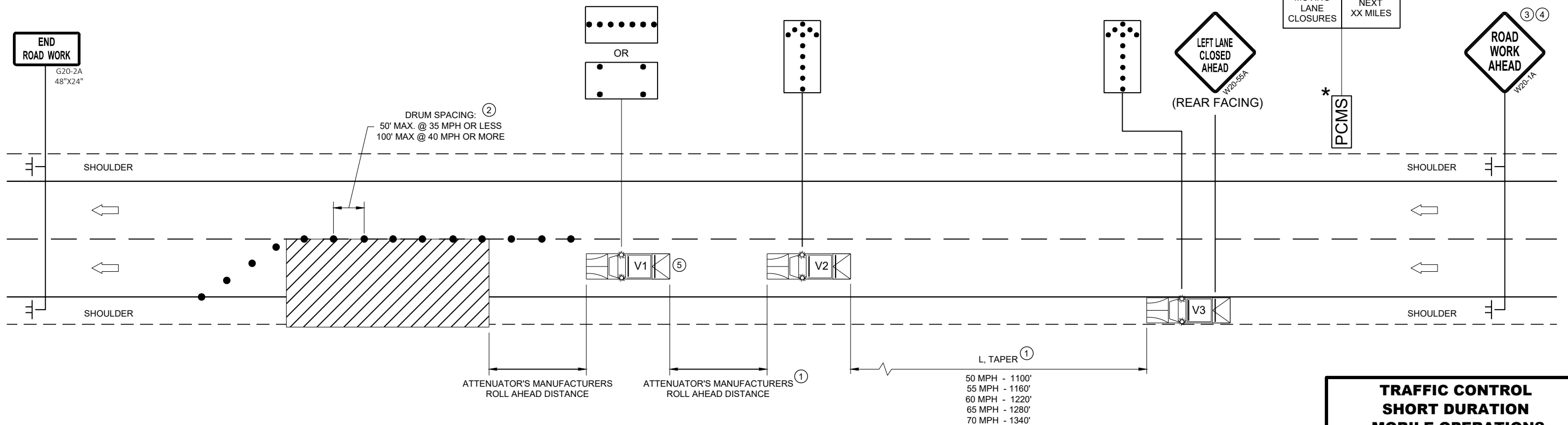
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

- ① DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ② DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.
- ③ WITHIN 5 MILES, RELOCATE SIGNS AS WORK PROGRESSES AND NECESSARY OR AS DIRECTED BY THE ENGINEER.
- ④ SIGN NOT REQUIRED IF MOVING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- ⑤ SHADOW VEHICLE 1 (V1) IS OPTIONAL

\* PCMS OPTIONAL

PCMS MESSAGING

FRAME 1	FRAME 2
MOVING LANE CLOSURES	NEXT XX MILES



**TRAFFIC CONTROL  
SHORT DURATION  
MOBILE OPERATIONS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA

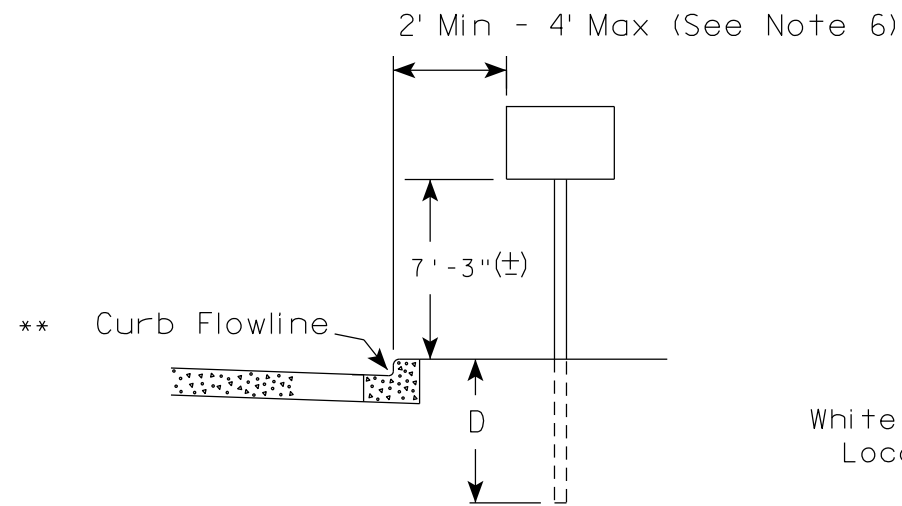
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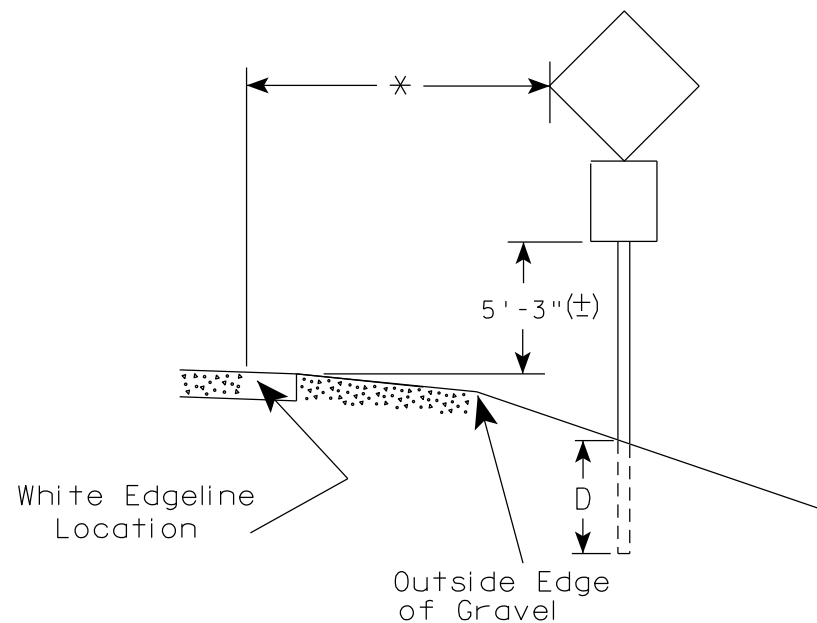
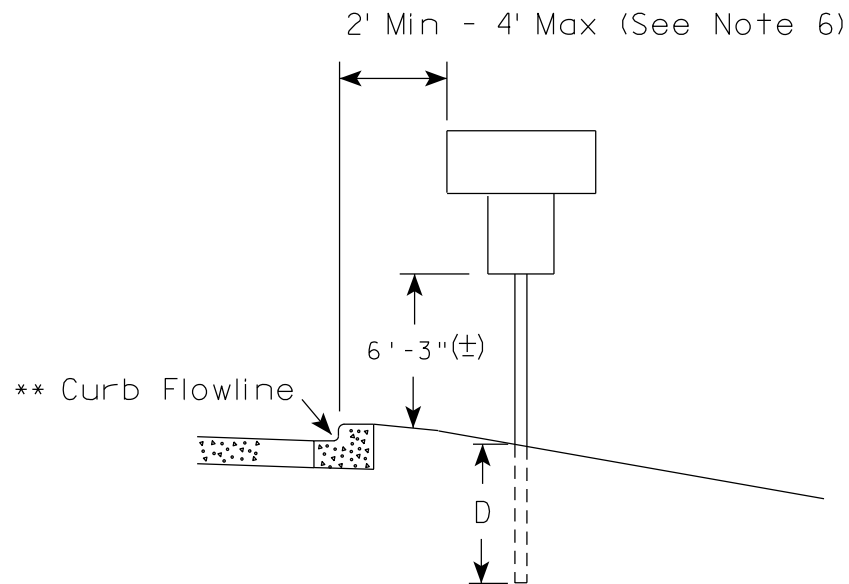
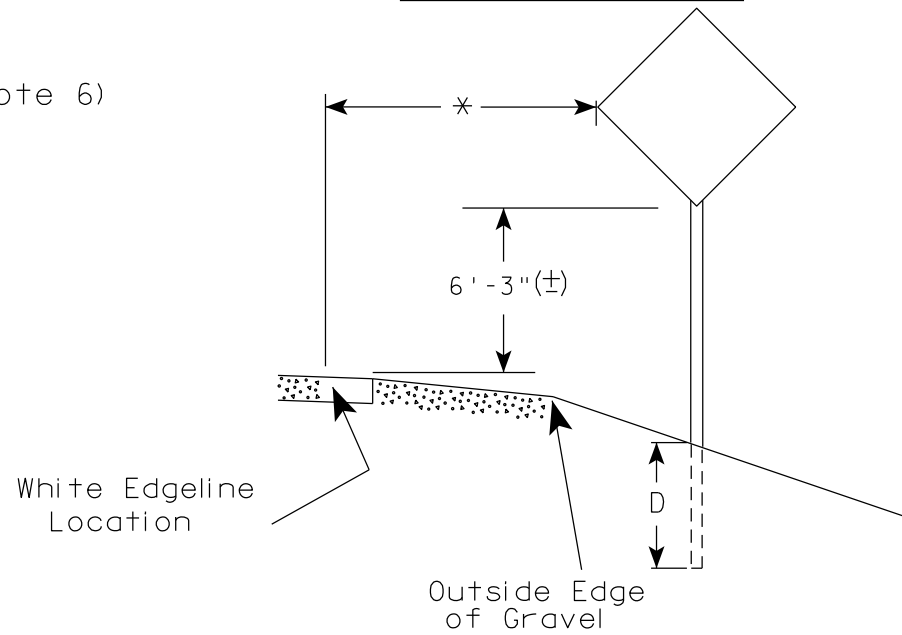
SDD 15D43 - 02

SDD 15D43 - 02

URBAN AREA



RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.  
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
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" (±).
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" (±) or as directed by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation ( Sq. Ft. )	D ( 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.

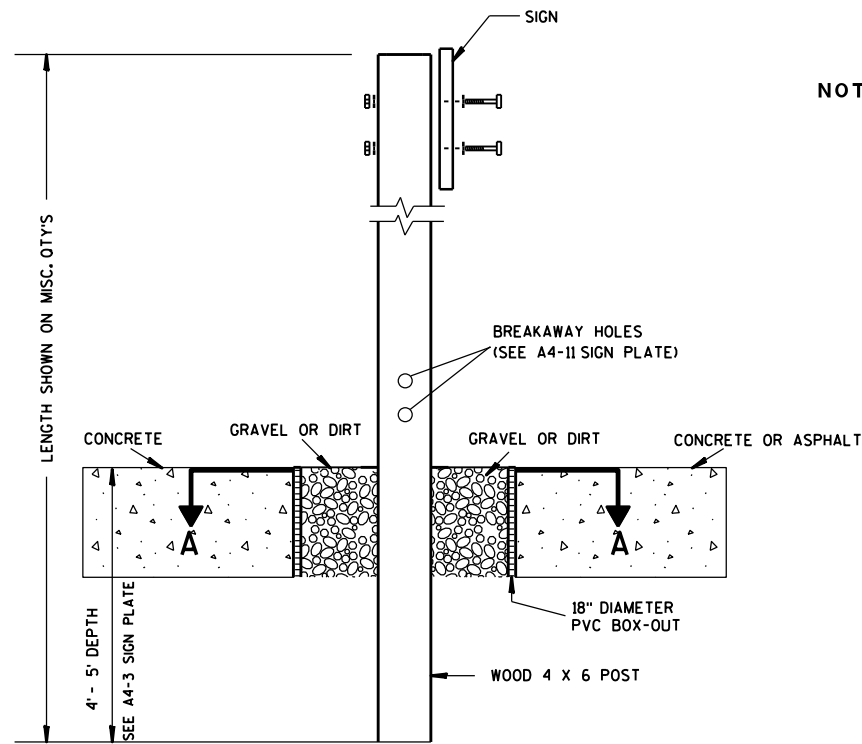
\* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

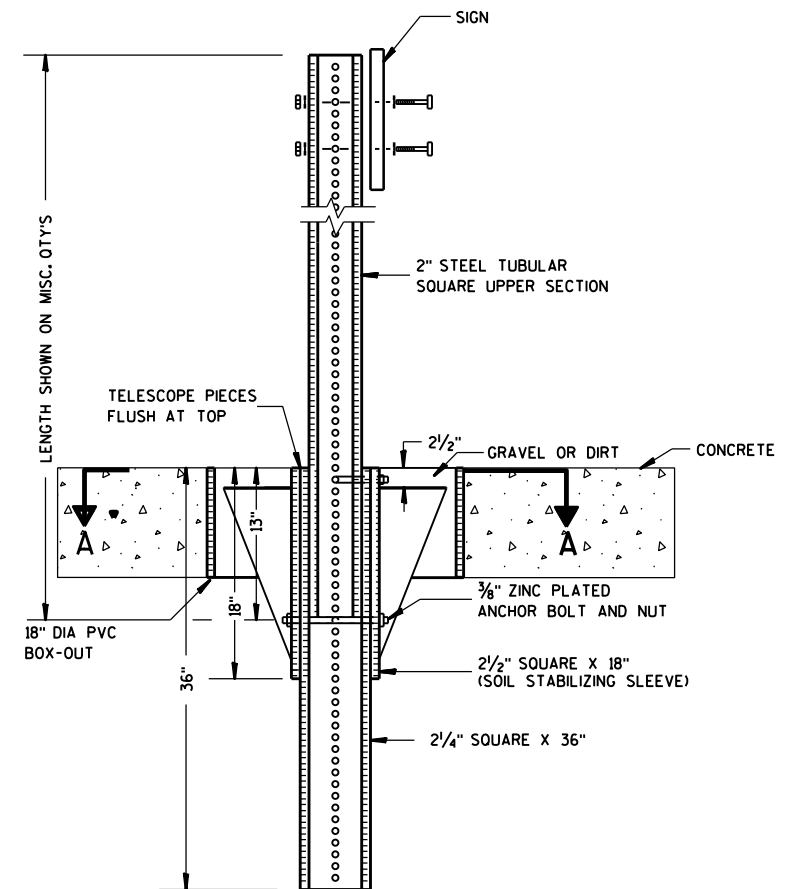
DATE 5/13/2020 PLATE NO. A4-3.22



**ELEVATION VIEW**

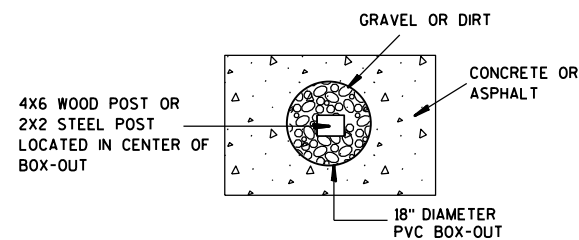
**DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT**

- 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**



**PLAN VIEW**

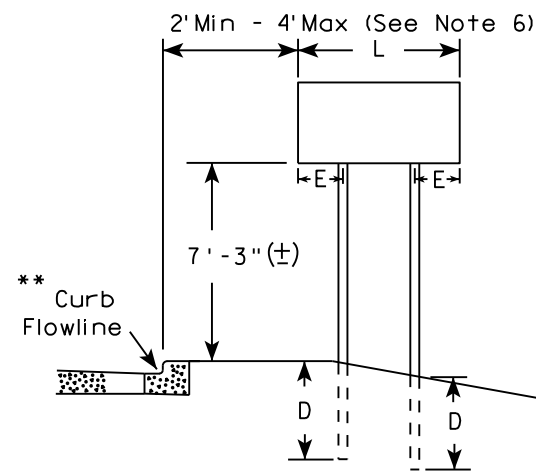
**FOR NEW CONCRETE/ ASPHALT INSTALLATIONS**

<b>SIGN POST BOX-OUTS A4-3B</b>	
<small>WISCONSIN DEPT OF TRANSPORTATION</small>	
APPROVED <i>Matthew R. Rauch</i> <small>for State Traffic Engineer</small>	
<small>DATE 1/27/14</small>	<small>PLATE NO. A4-3B.1</small>

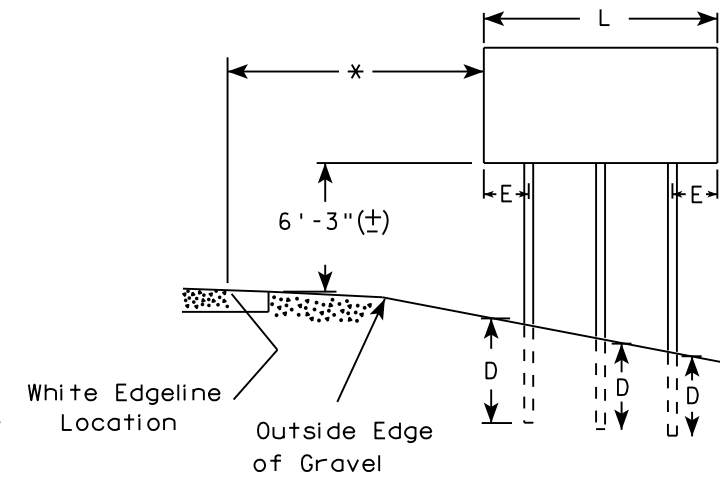
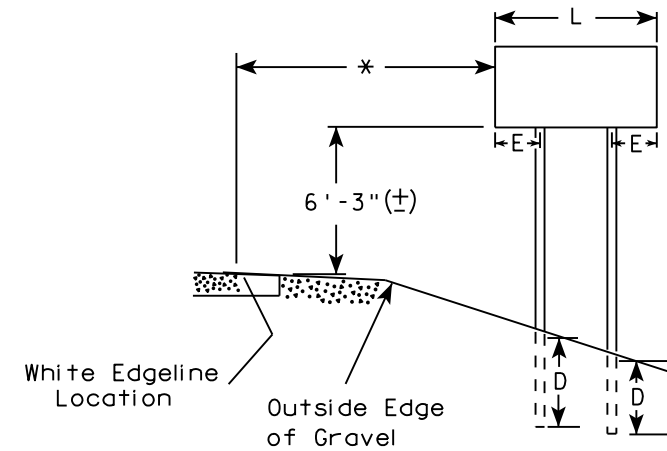
GENERAL NOTES

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" (±) 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" (±).

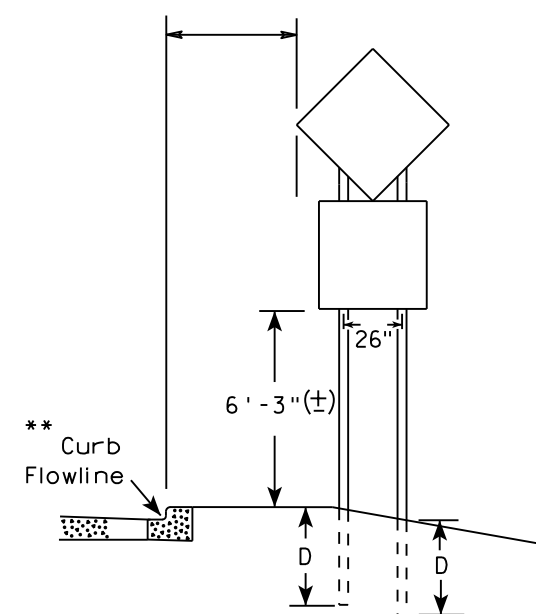
URBAN AREA



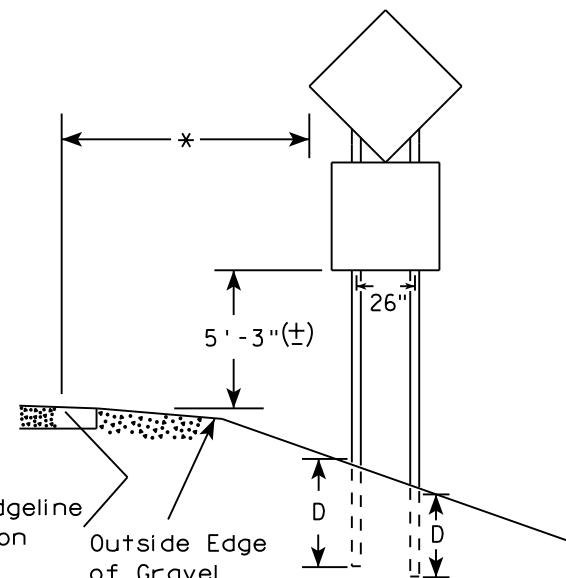
RURAL AREA (See Note 3)



2' Min - 4' Max (See Note 6)



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

\* 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.

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

\*\*\*

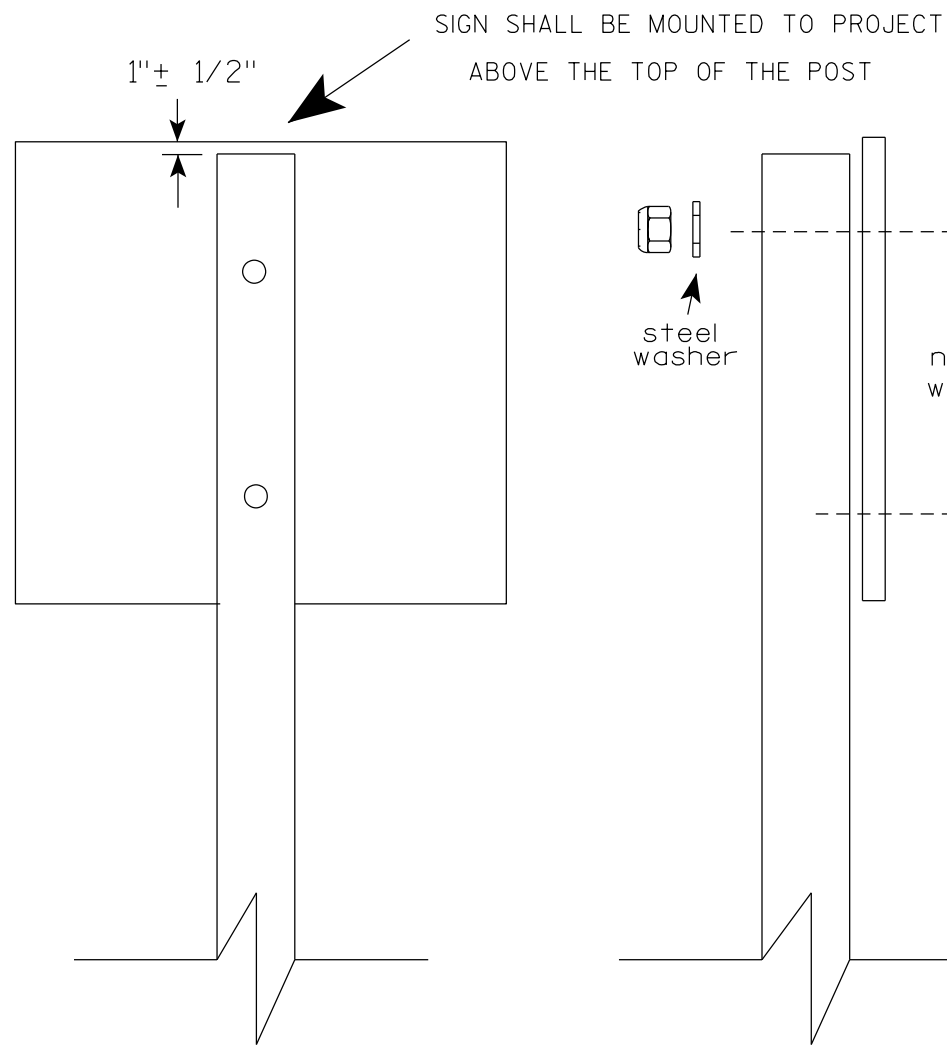
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION  
 APPROVED *Matthew R. Rauch*  
 For State Traffic Engineer  
 DATE 8/21/17 PLATE NO. A4-4.15



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 - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 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 - 9/32" (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 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 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

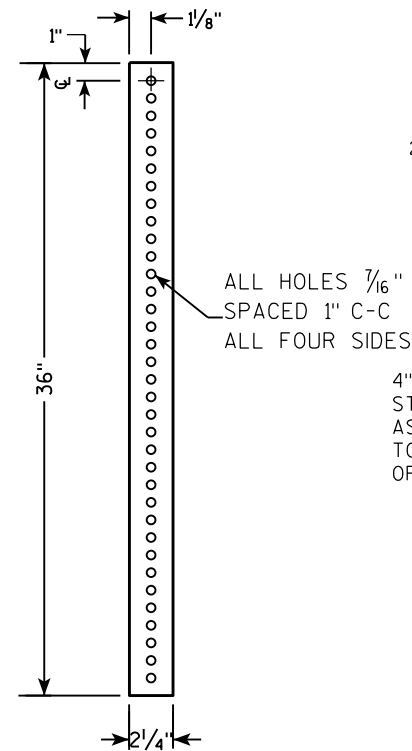
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*  
For State Traffic Engineer

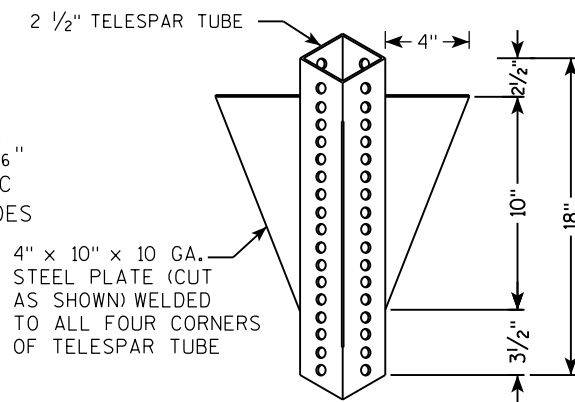
DATE 4/1/2020 PLATE NO. A4-8.9

**TELESCOPIC TUBING ANCHORS  
TWO PIECE SYSTEM**

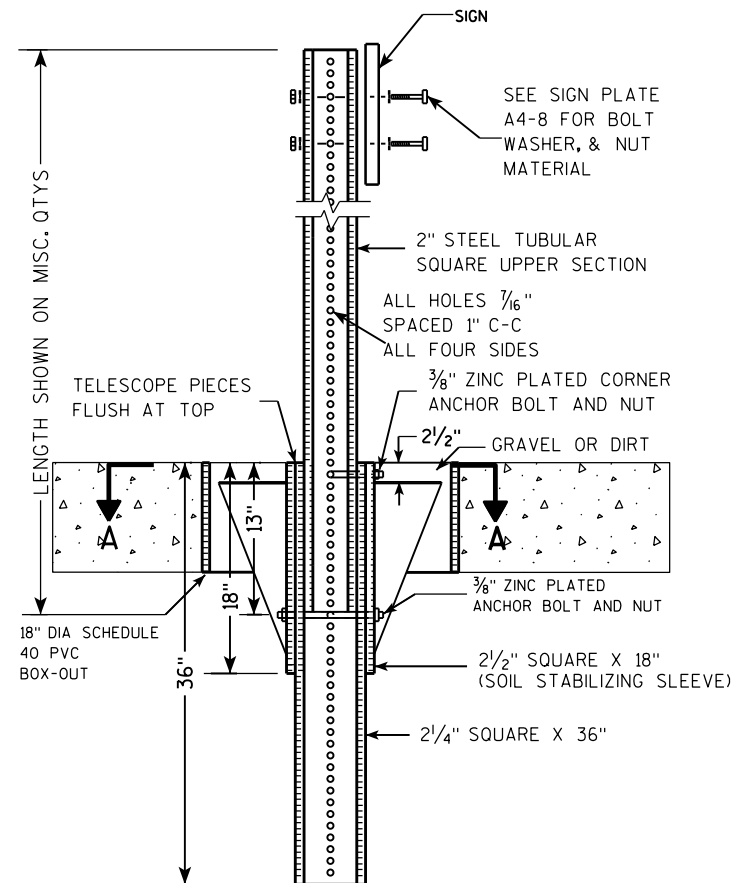
2 1/4" SQUARE  
12 GAUGE  
PERFORATED  
GALVANIZED FINISH



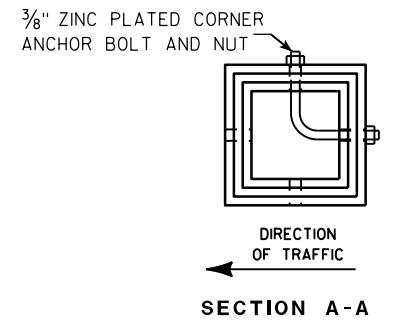
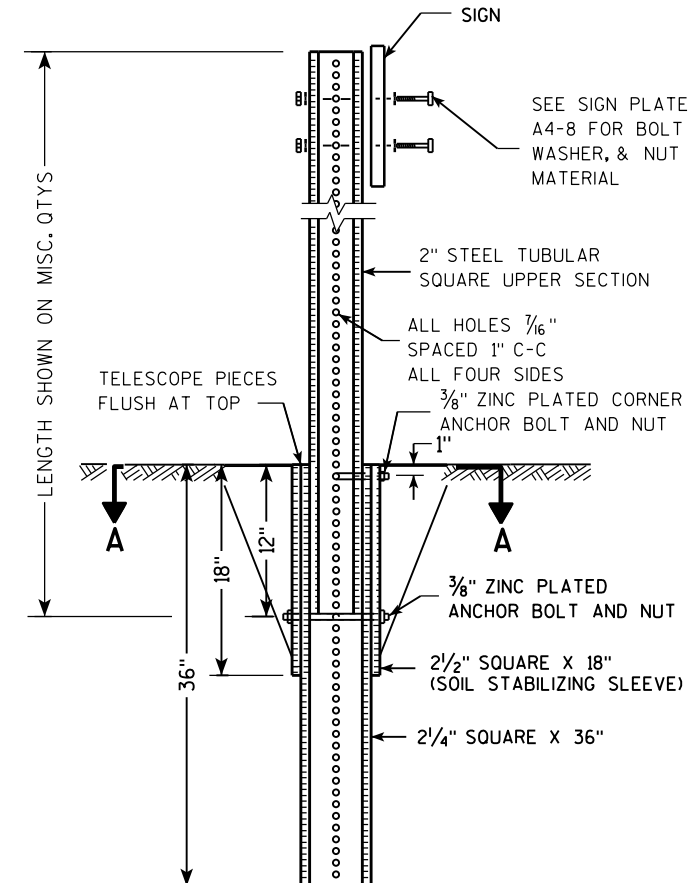
2 1/2" SQUARE  
12 GAUGE  
OMNI-DIRECTIONAL  
PERFORATED  
SOIL STABILIZING SLEEVE  
GALVANIZED FINISH



**DETAIL OF TUBULAR STEEL SIGN POST  
(IN POURED CONCRETE OR ASPHALT)**



**DETAIL OF TUBULAR STEEL SIGN POST  
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)**



Area of Sign Installation (Sq. Ft.)	Number of Required 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 sq. ft shall be mounted on multiple posts (see above table).

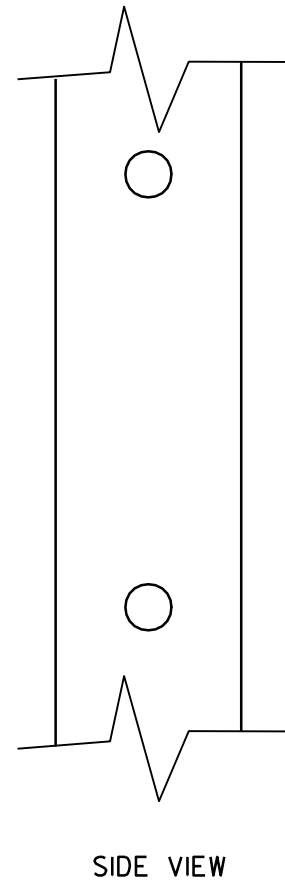
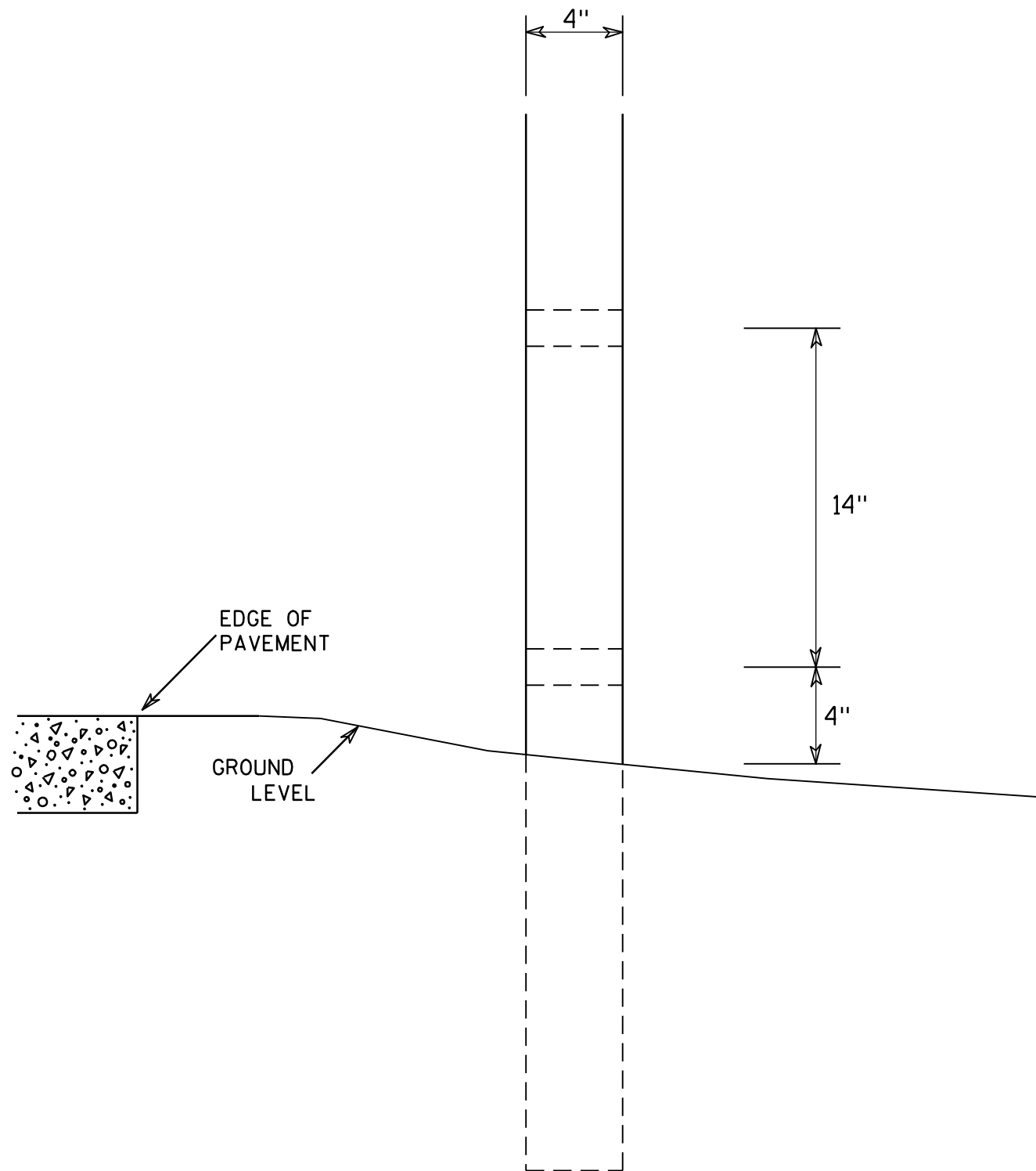
**TUBULAR STEEL  
SIGN POST  
A4-9**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9





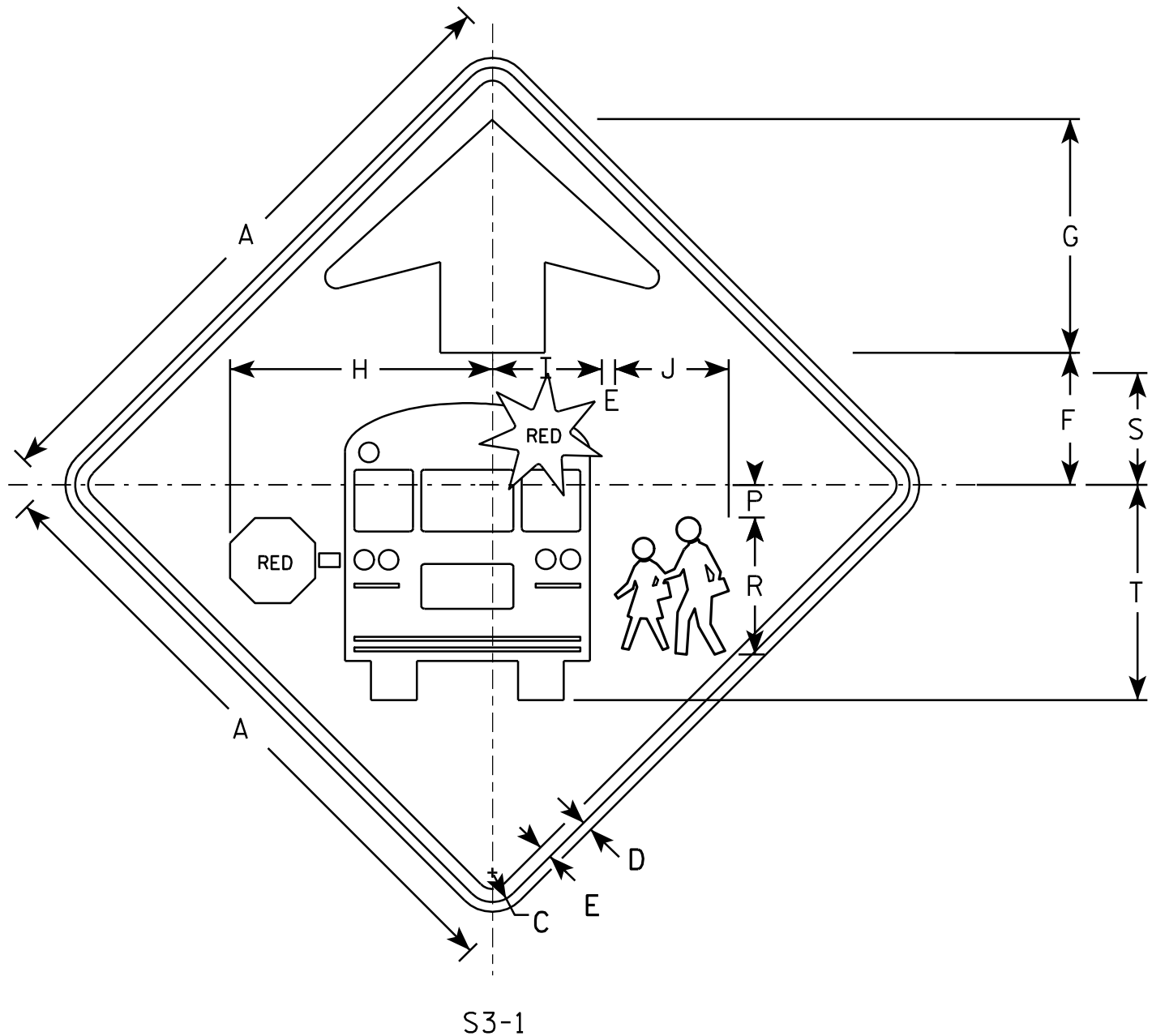
GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

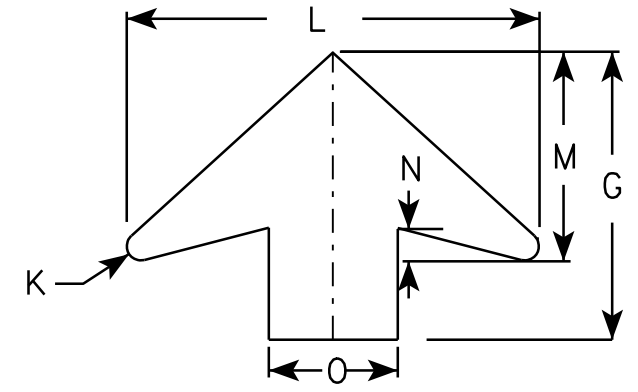
<b>4 X 6 WOOD POST MODIFICATIONS</b>	
<i>WISCONSIN DEPT OF TRANSPORTATION</i>	
APPROVED	<i>Chester J Spang</i> for State Traffic Engineer
DATE <u>3/27/97</u>	PLATE NO. <u>A4-11.2</u>



S3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:  
 Background - YELLOW-GREEN  
 Message - BLACK except as noted  
 Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

7

7

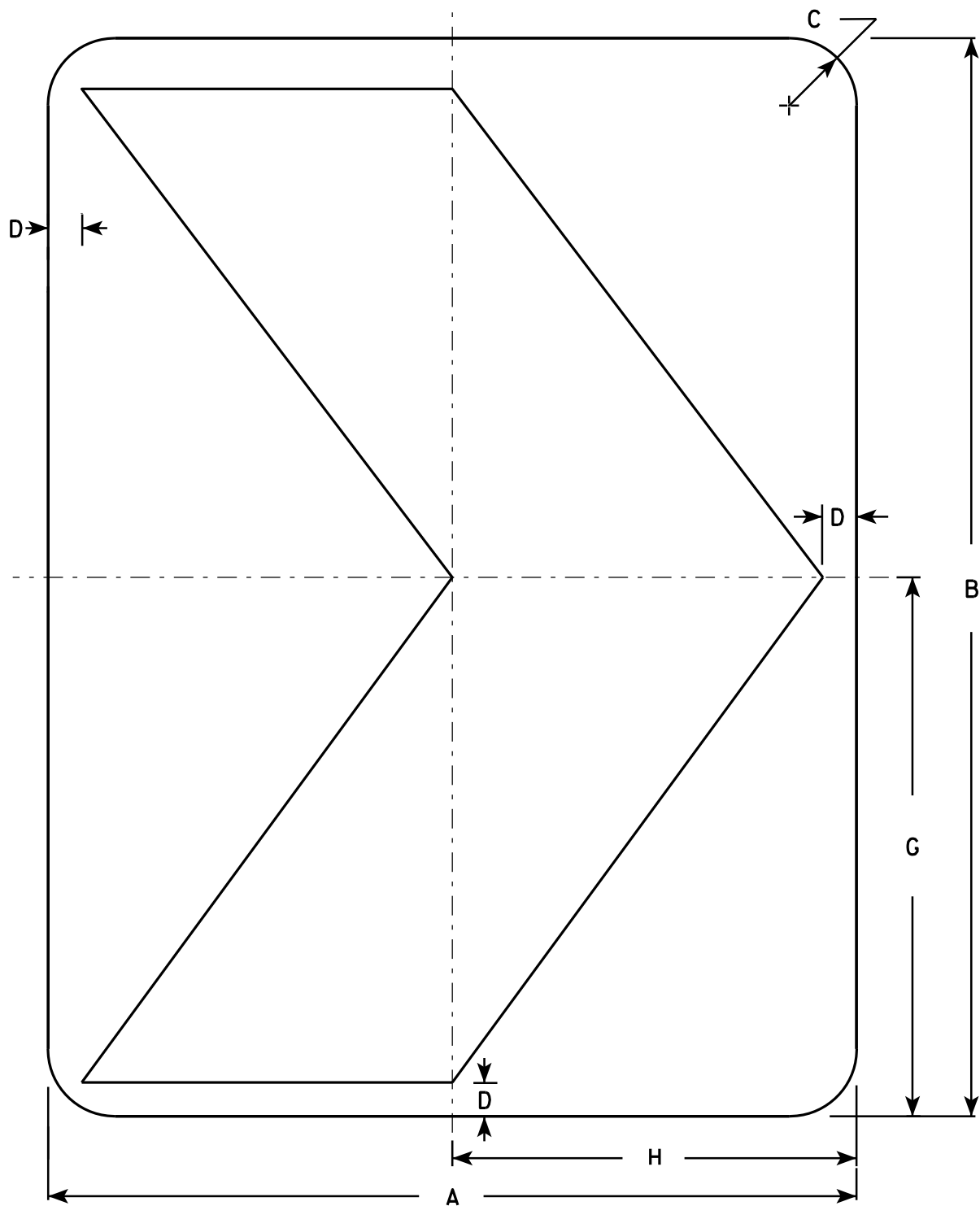
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	12 1/2	5 1/4	5 1/2	1/2	16	8	1 1/4	5	1 1/2		6 5/8	5 3/8	10 3/8							6.25
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	15 1/8	6 1/4	6 1/2	5/8	19 1/4	9 3/4	1 5/8	6	1 7/8		7 1/8	6 3/8	12 3/8							9.0
3	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
4	48		2 1/4	3/4	1	10	17 7/8	20 1/8	8 3/8	8 3/4	7/8	25 5/8	13	2	8	2 1/2		10 1/2	8 1/2	16 1/2							16.0
5																											

**STANDARD SIGN**  
S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 6/8/10 PLATE NO. S3-1.6



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:  
Background - Yellow  
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

7

7

W1-8

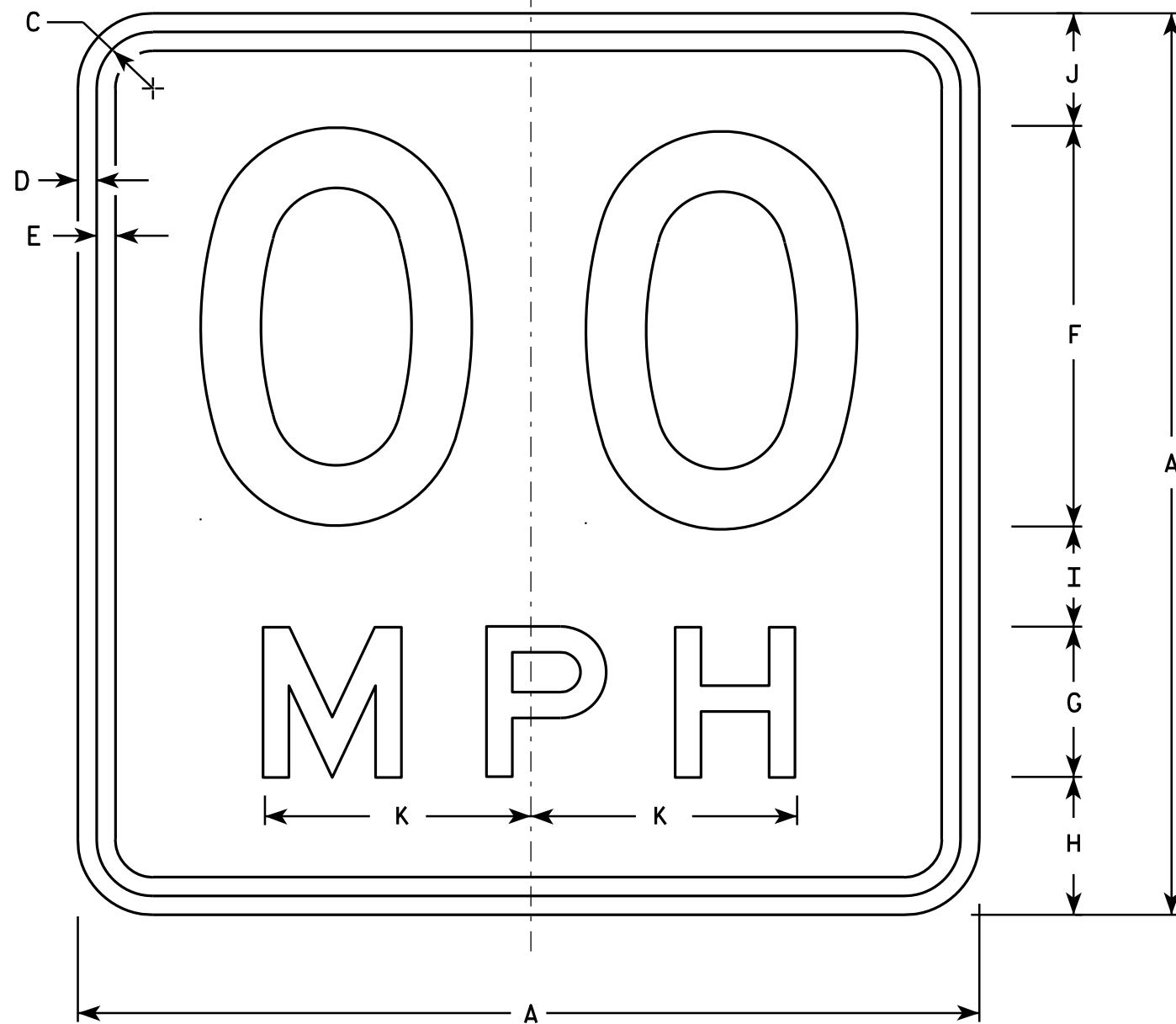
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	1/2			9	6																			1.5
2S	18	24	1 1/2	3/4			12	9																			3.0
2M	18	24	1 1/2	3/4			12	9																			3.0
3	24	30	1 1/2	1			15	12																			5.0
4	30	36	1 7/8	1 1/4			18	15																			7.5
5	36	48	2 1/4	1 1/2			24	18																			12.0

**STANDARD SIGN**  
W1-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6



**NOTES**

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:  
Background - Yellow  
Message - Black
3. Message Series - See Note 6
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. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D  
Line 2 is Series E

W13-1

\* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.  
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*  
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

Notes



## ***Wisconsin Department of Transportation***

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