

DECEMBER 2021
ORDER OF SHEETS

Section No.	1	Title
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 = 56

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

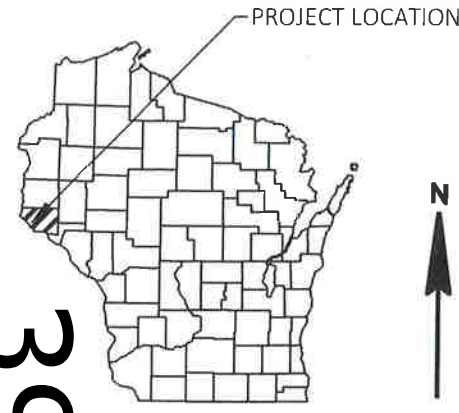
STH 35 - USH 10

GREAT RIVER ROAD TO USH 10

CTH A
PIERCE

STATE PROJECT NUMBER
7896-02-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7896-02-70	WISC 2022096	1



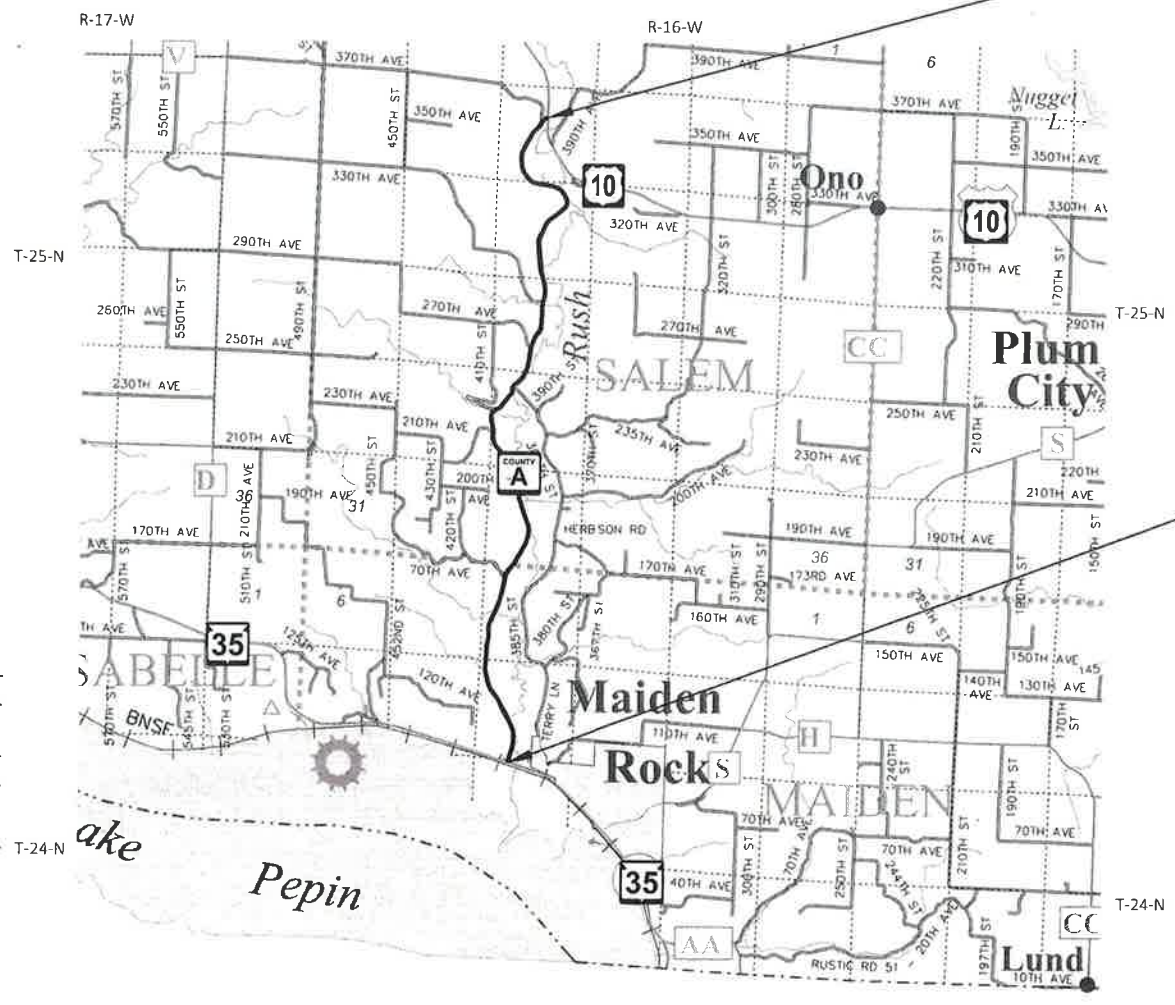
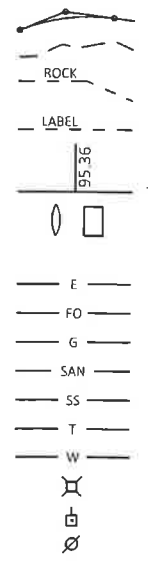
39

DESIGN DESIGNATION

A.A.D.T.	2022	=	<200
A.A.D.T.	2042	=	300
D.H.V.		=	45
D.D.		=	50/50
T _s		=	5%
DESIGN SPEED		=	55
ESALS		=	N/A

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE



LAYOUT
SCALE 0 2 MI
TOTAL NET LENGTH OF CENTERLINE = 7.627 MILES

END PROJECT
STA 413+72.15
Y=293681.017
X=524005.656

BEGIN PROJECT
STA 11+00.00
Y=258459.363
X=523177.259

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

ACCEPTED FOR
PIERCE COUNTY
Date: 7/27/21
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY
JOHN W. BECKFIELD
34273
EAU CLAIRE, WI
DATE: 7-21-2021
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PREPARED BY
Surveyor: CBS SQUARED INC
Designer: CBS SQUARED INC
Project Manager: MATTHEW THORNSEN PE
Regional Examiner: TOU YANG, PE
Regional Supervisor: TYLER RONGSTAD PE

APPROVED FOR THE DEPARTMENT
DATE: 7/28/2021
(Signature)

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

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

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

ALIGNMENT WAS BASED ON CENTERLINE SHOTS, IF ADJUSTMENTS TO THE ALIGNMENT ARE NEEDED IN THE FIELD, THE ADJUSTMENTS WILL BE APPROVED BY THE ENGINEER. ADJUSTMENTS SHALL BE INCIDENTAL TO THE PROJECT.

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED 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.

VERTICAL REFERENCE DATUM IS GEOID12a - NAVD88 (2012) ADJUSTMENT.

EXISTING RIGHT OF WAY IS BASED ON PIERCE COUNTY GIS. CONTRACTOR SHALL FIELD VERIFY EXACT LIMITS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.

THE CONTRACTOR IS TO WORK WITH THE UTMOST CARE TO PROTECT ALL SURVEY MARKERS. SURVEY MARKERS SHALL NOT BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

ASPHALTIC SURFACE SHALL BE AN APPROVED 4LT 58-34S MIX. THE TOTAL THICKNESS SHALL BE 4-INCHES CONSISTING OF A 2.25-INCH LOWER LIFT AND A 1.75-INCH UPPER LIFT.

LAND USE:	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT						.70-.95						
CONCRETE						.80-.95						
BRICK						.70-.80						
DRIVES, WALKS						.75-.85						
ROOFS						.75-.95						
GRAVEL ROADS, SHOULDERS						.40-.60						

TOTAL PROJECT AREA = 25.9 ACRES
 TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = <1 ACRE

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- SIGNING

UTILITY CONTACTS

CENTURYLINK
 MONTY PARKER
 20 S WILSON AVENUE
 RICE LAKE, WI 54868
 (715) 234-1483
 MONTY.PARKER@CENTURYLINK.COM

PIERCE PEPIN COOPERATIVE SERVICES
 BRAD RISTOW
 W7725 USH 10
 ELLSWORTH, WI 54011
 (715) 273-2473 (OFFICE)
 (715) 307-1904 (CELL)
 BRISTOW@PIERCEPEPIN.COOP

AREA CONTACTS

COUNTY CONTACT
 CHAD JOHNSON, P.E.
 HIGHWAY COMMISSIONER
 621 CAIRNS ST
 PO BOX 780
 ELLSWORTH, WI 54011
 (715) 273-0596
 CHAD.JOHNSON@CO.PIERCE.WI.US

DESIGN CONSULTANT
 JOHN BECKFIELD, P.E.
 CBS SQUARED, INC.
 770 TECHNOLOGY WAY
 CHIPPEWA FALLS, WI 54729
 (715) 579-4175
 JBECKFIELD@CBSSQUAREDINC.COM

WDNR
 AMY LESIK
 DNR NORTHWEST LIAISON
 1300 WEST CLAIREMONT AVE
 EAU CLAIRE, WI 54701
 (715) 836-6571 (OFFICE)
 (715) 495-1903 (CELL)
 AMYL.LESIK@WISCONSIN.GOV

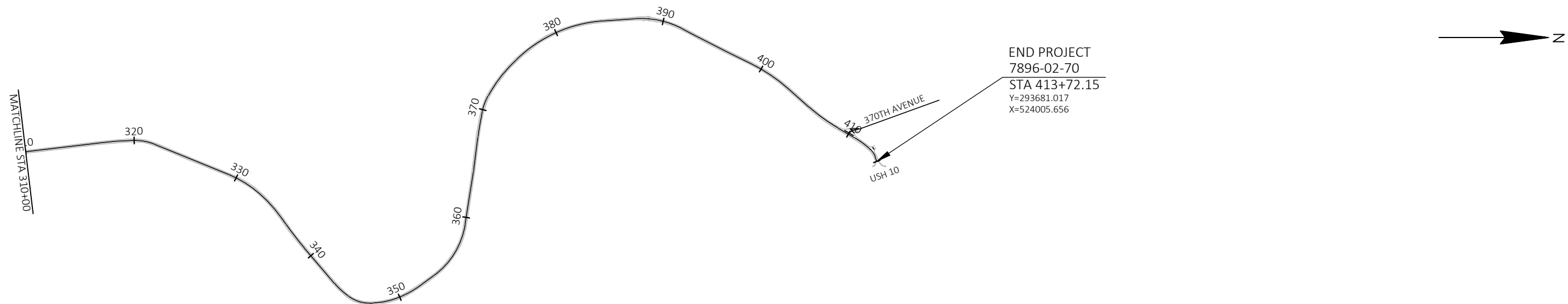
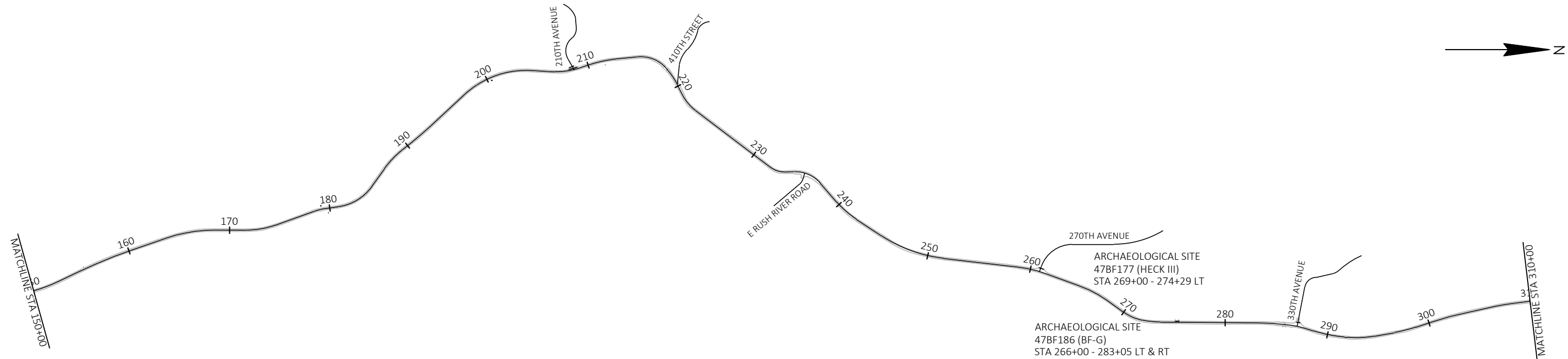
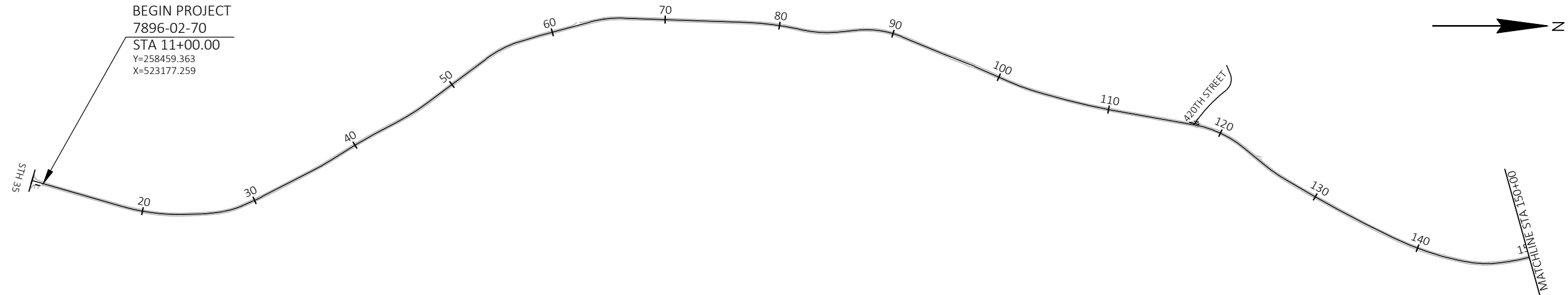
WISDOT CONTACT
 MATTHEW THORNSEN, P.E.
 LOCAL PROGRAM PROJECT MANAGER
 718 W. CLAIREMONT AVE
 EAU CLAIRE, WI 54701
 (715) 225-4159
 MATTHEW.THORNSEN@DOT.WI.GOV



STANDARD ABBREVIATIONS

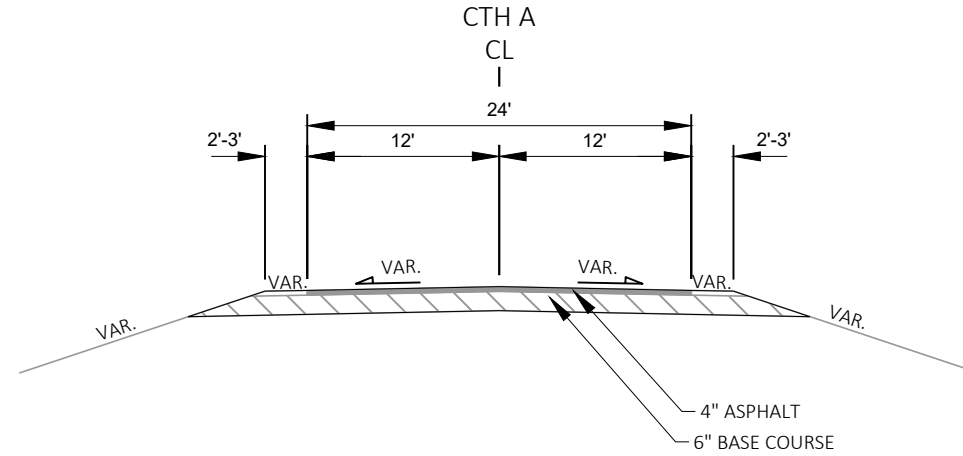
CE	COMMERCIAL ENTRANCE	NC	NORMAL CROWN
CL OR C/L OR `	CENTER LINE	PAVT	PAVEMENT
	CENTRAL ANGLE OR DELTA	PE	PRIVATE ENTRANCE
DWY	DRIVEWAY	R	RADIUS
EOR	END POINT OF RADIUS	R/W	RIGHT-OF-WAY
ENT	ENTRANCE	RDWY	ROADWAY
FE	FIELD ENTRANCE	R/L OR ~	REFERENCE LINE
FO	FIBER OPTIC	TYP	TYPICAL
CWT	HUNDREDWEIGHT	VAR	VARIABLE
IP	IRON PIPE OR PIN	VC	VERTICAL CURVE
L	LENGTH OF CURVE	TV	CABLE TV
SY	SQUARE YARD	OH	OVERHEAD LINE
CY	CUBIC YARD	T	TELEPHONE
		E	ELECTRICAL



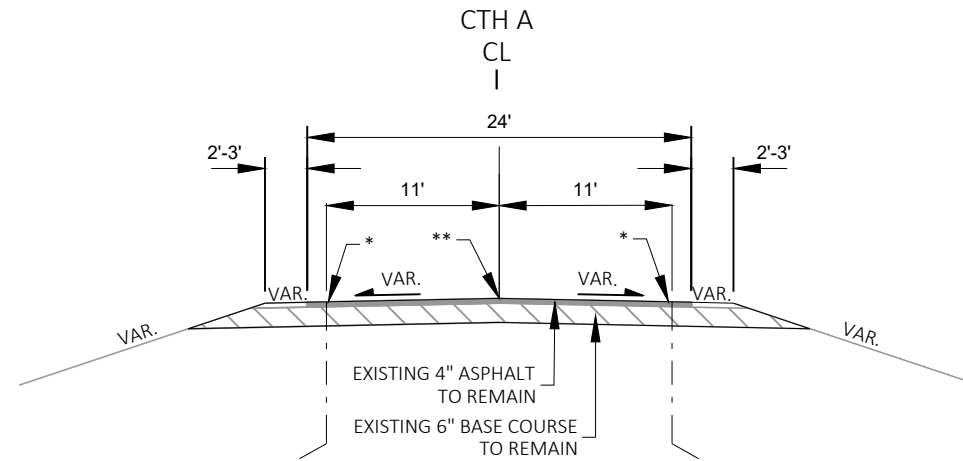


NOTES

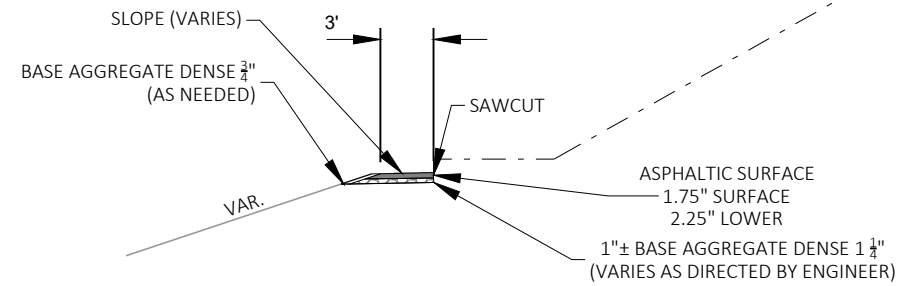
- * MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE EDGELINE)
- ** ASPHALT CENTERLINE RUMBLE STRIPS 2 LANE RURAL AND MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE) SHALL BE CENTERED ON EXISTING PAVEMENT
- *** SAWCUT 11' FROM APPARENT PAVEMENT CENTERLINE AND CONSTRUCT 3' PAVED SHOULDER - SEE CONSTRUCTION DETAIL



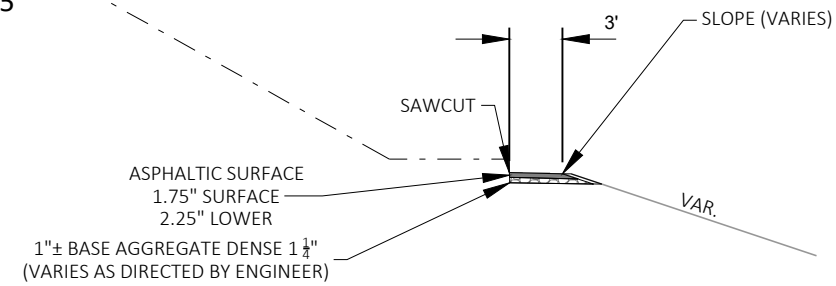
TYPICAL EXISTING SECTION
STA 11+00.00 TO STA 413+72.15



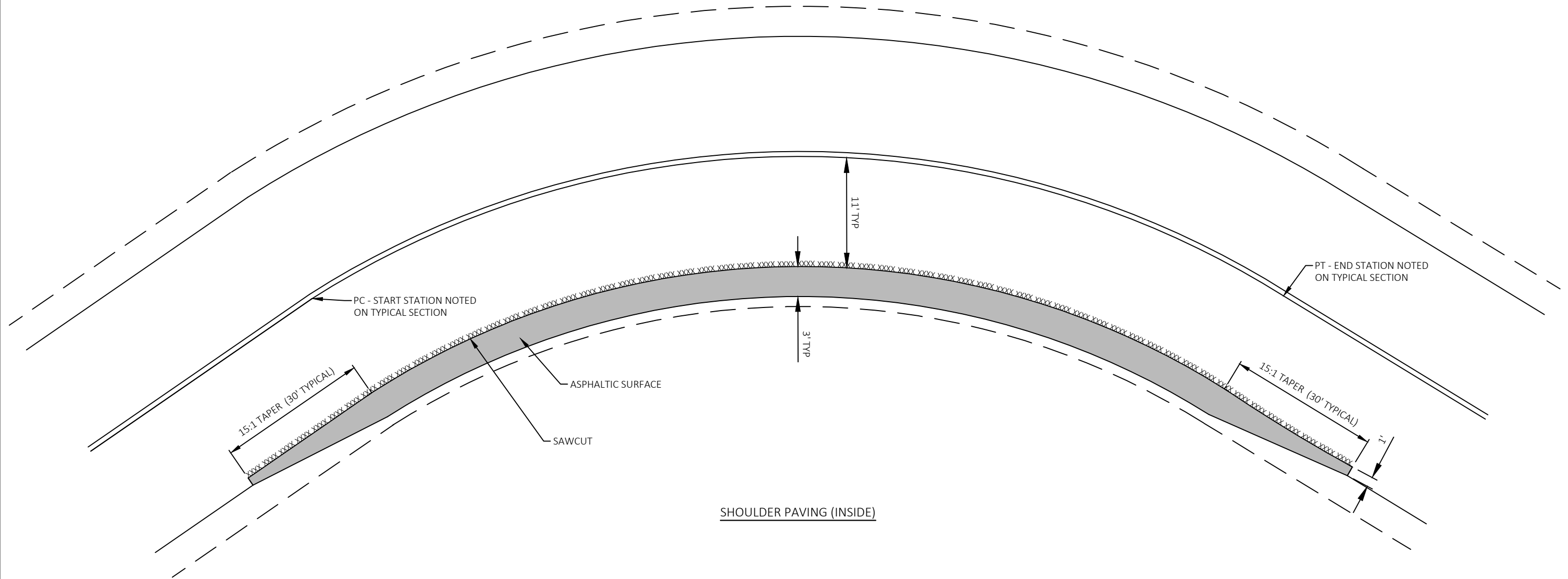
TYPICAL FINISHED SECTION
STA 11+00.00 TO STA 413+72.15

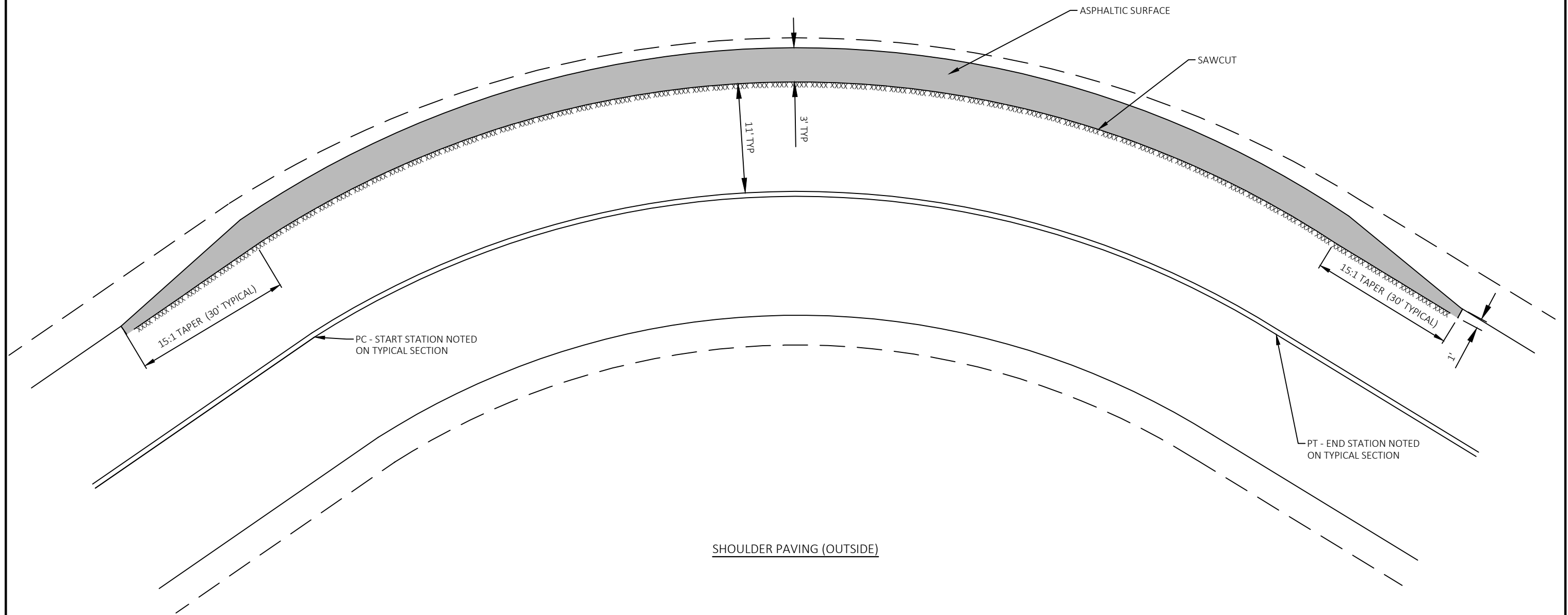


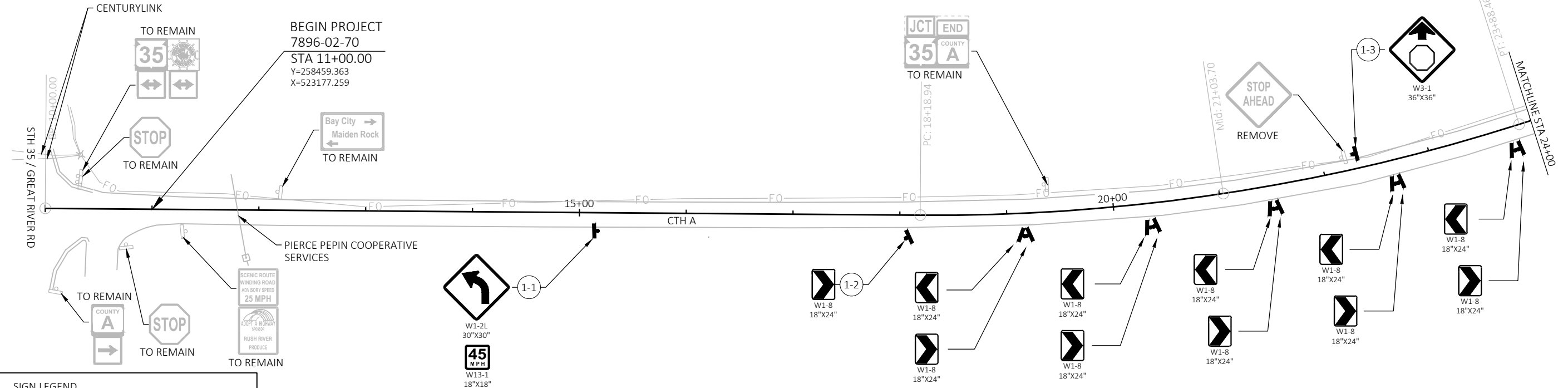
***SHOULDER PAVING
STA 180+84 TO STA 184+71 LT
STA 221+06 TO STA 222+91 LT
STA 232+10 TO STA 233+48 LT
STA 234+42 TO STA 237+22 LT
STA 270+06 TO STA 273+02 LT
STA 353+68 TO STA 359+33 LT



***SHOULDER PAVING
STA 319+98 TO STA 321+90 RT



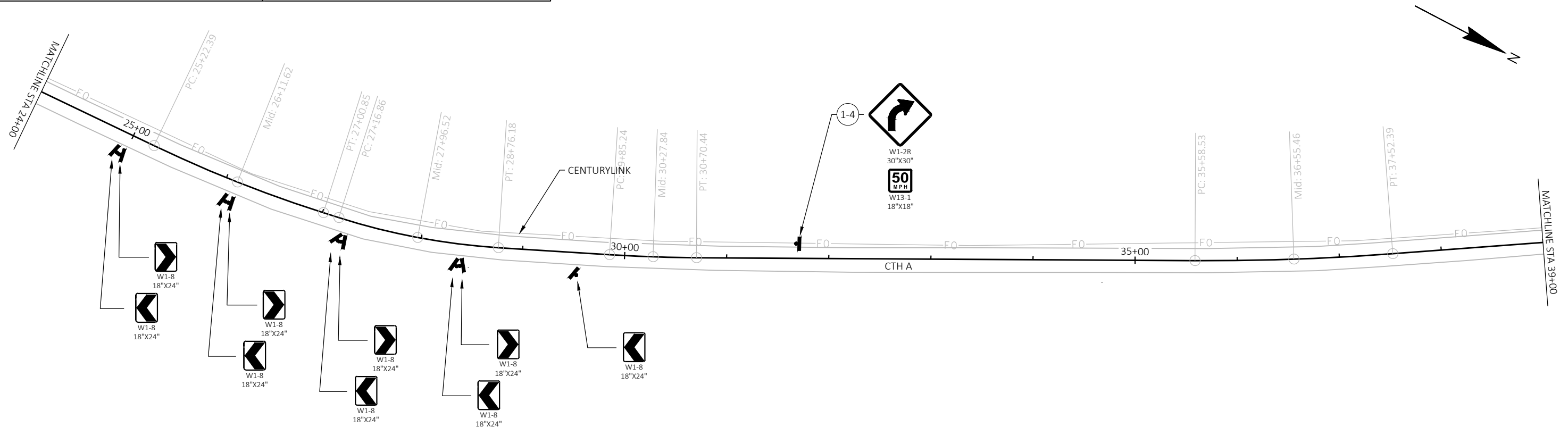




SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



PROJECT NO: 7896-02-70

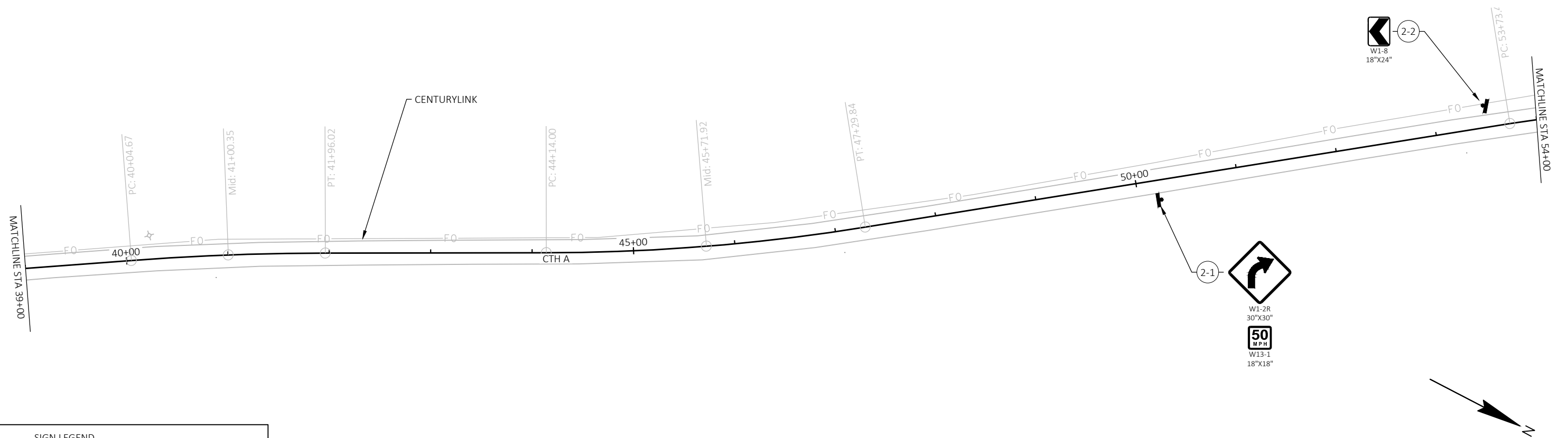
HWY: CTH A

COUNTY: PIERCE

PERMANENT SIGNING

SHEET

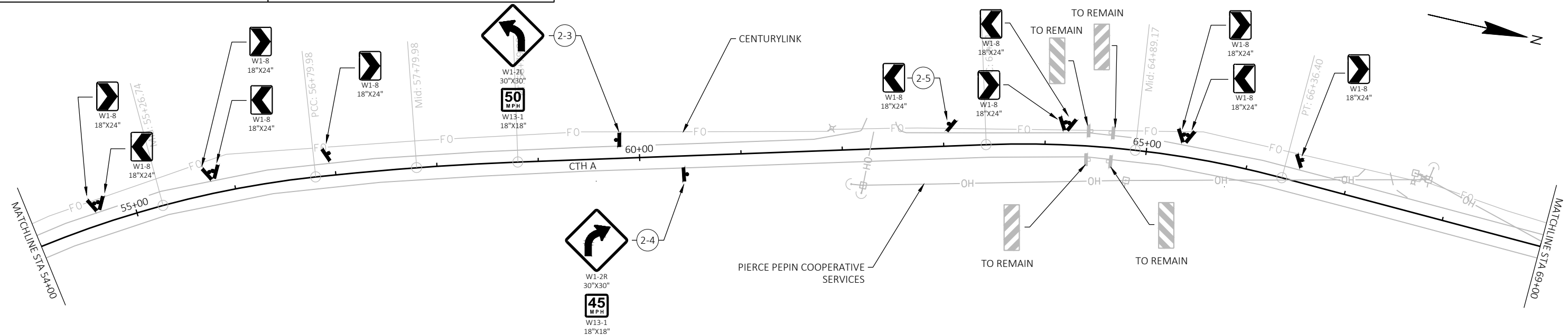
E

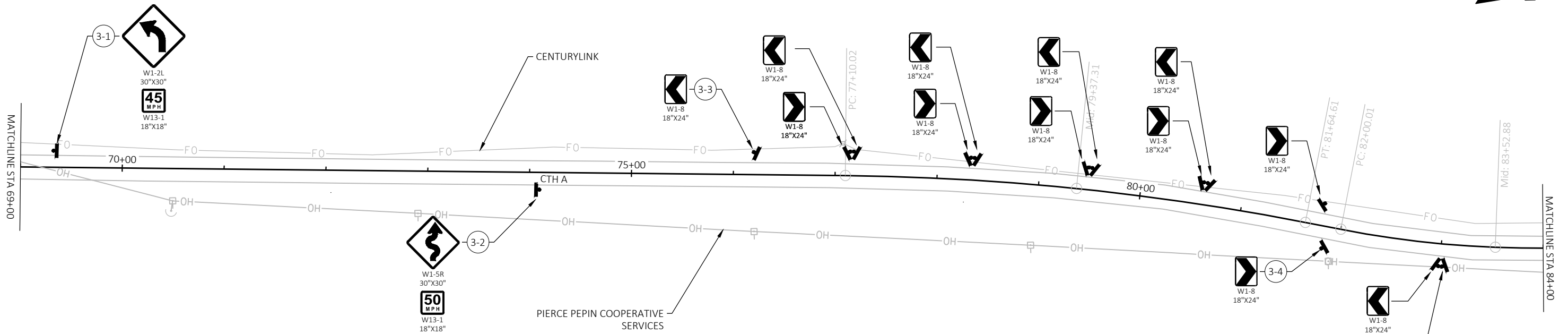


SIGN LEGEND

- DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

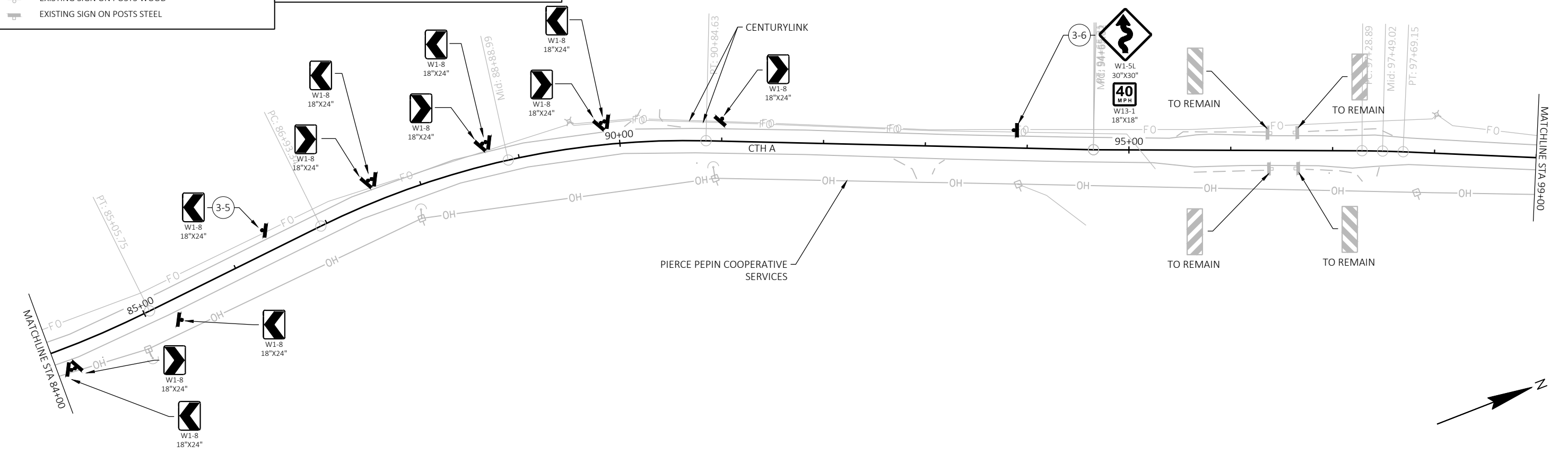


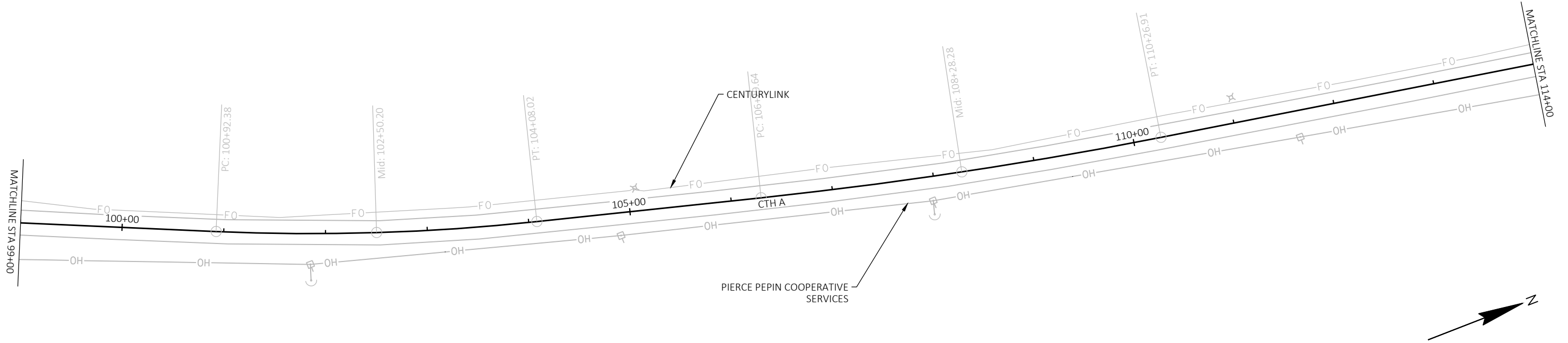


SIGN LEGEND





- (XXX) DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

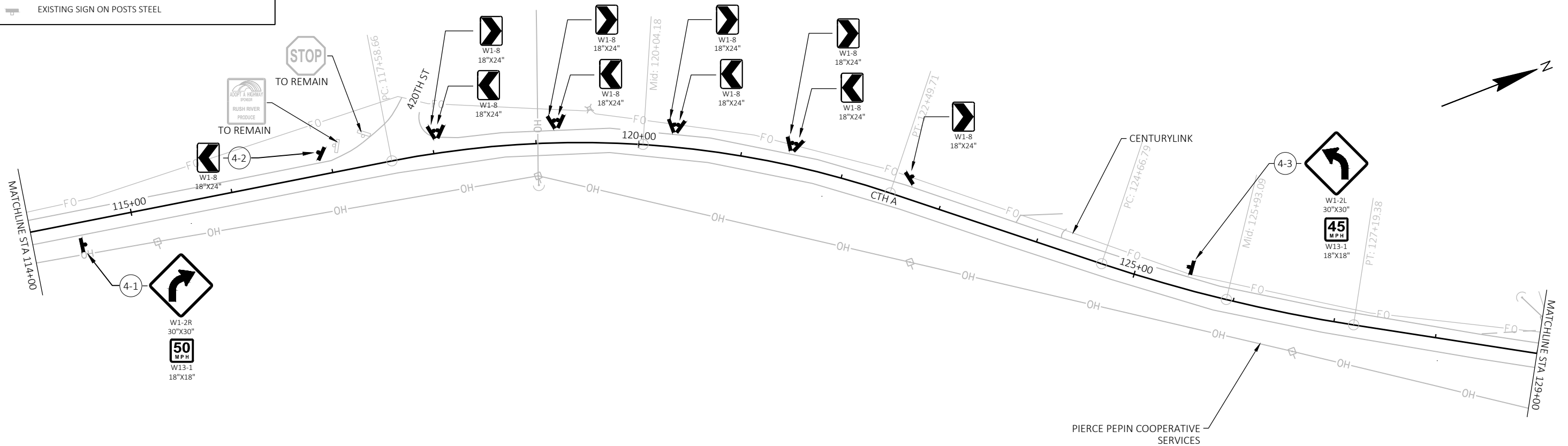


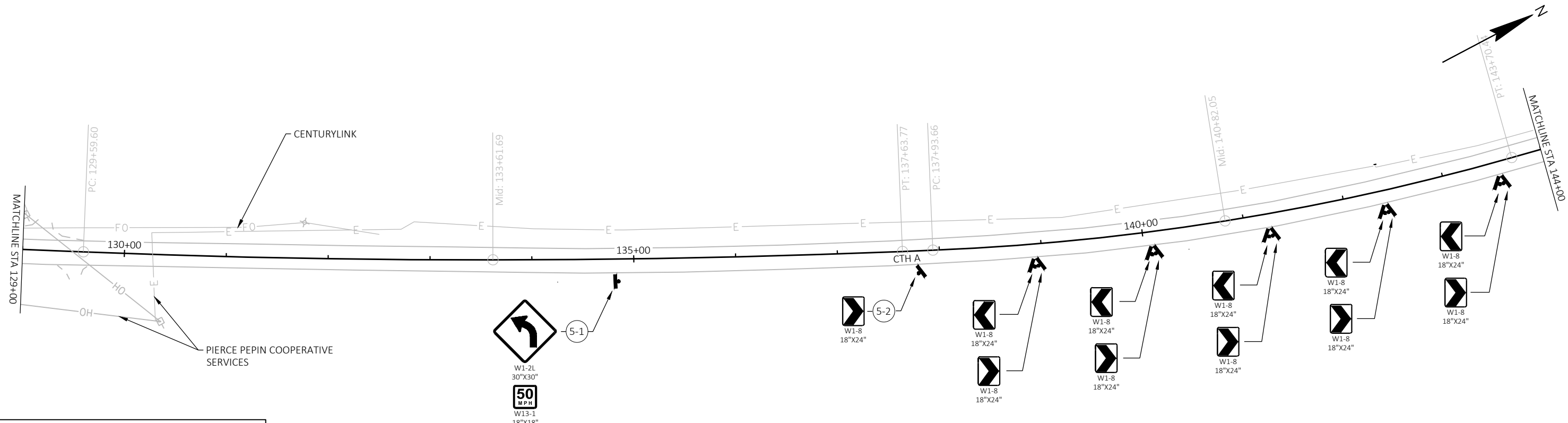


SIGN LEGEND

-  DENOTES SIGN NUMBER
-  SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
-  EXISTING SIGN ON POSTS WOOD
-  EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

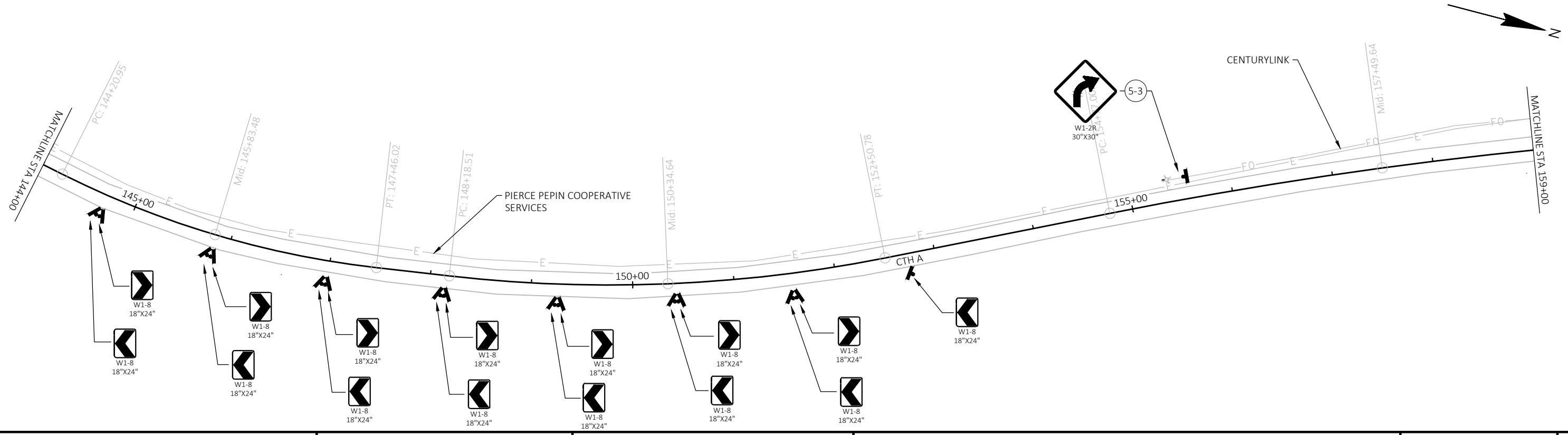


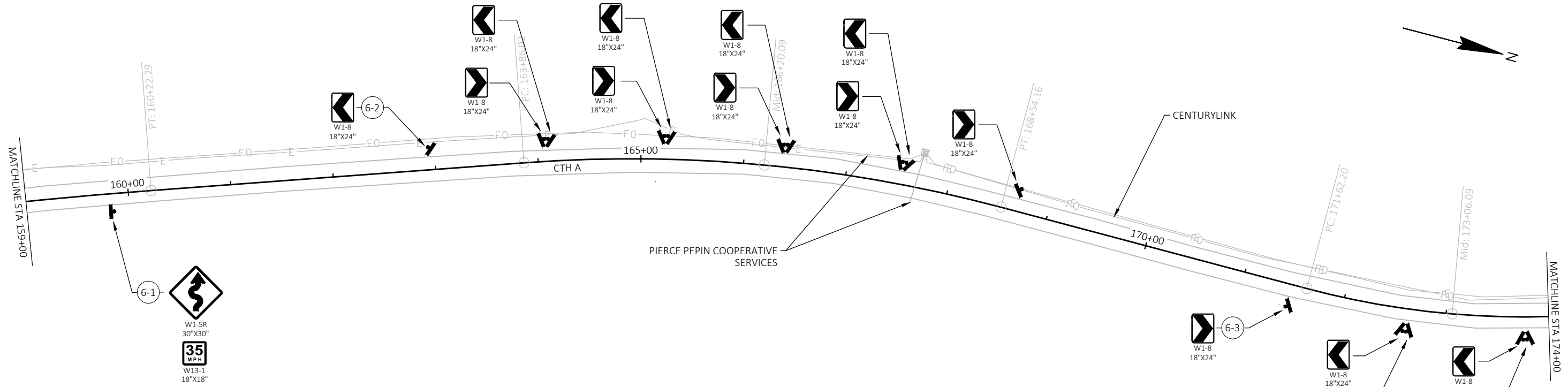


SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

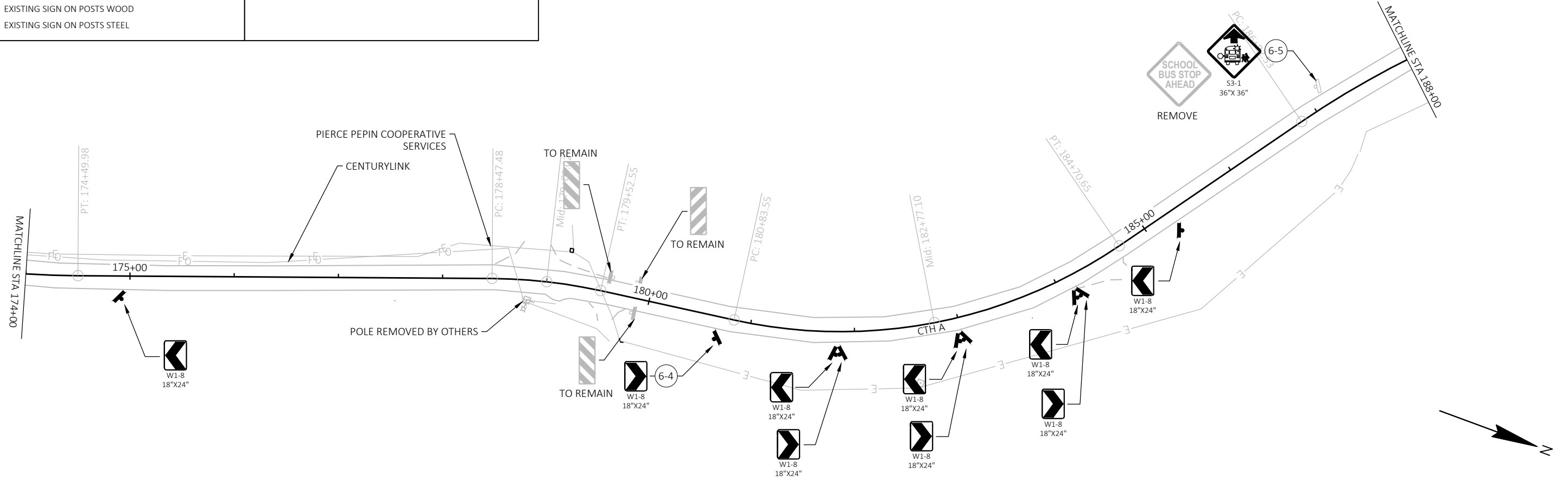


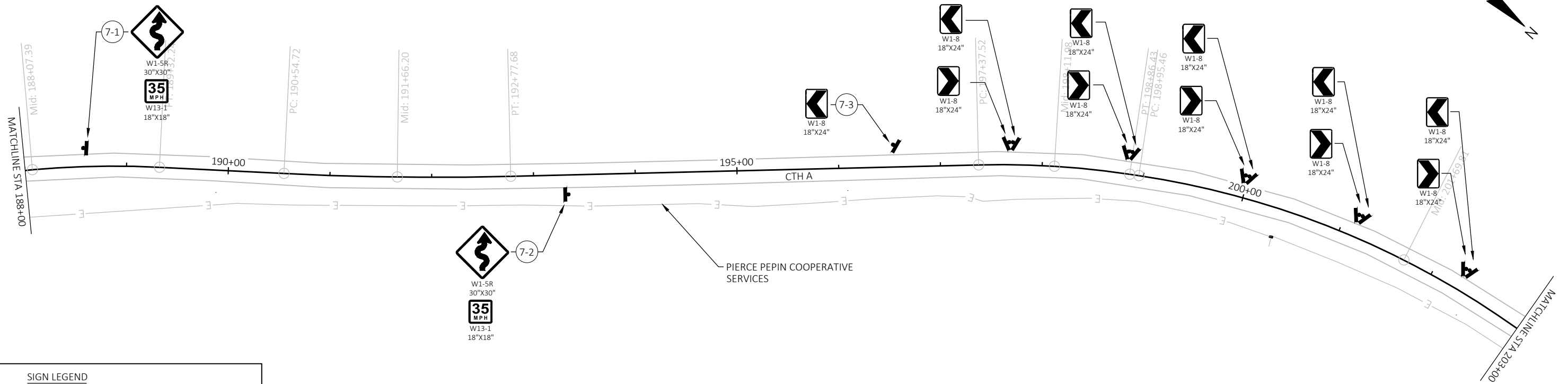


SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- Sign symbol with T: SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- Sign symbol with P: EXISTING SIGN ON POSTS WOOD
- Sign symbol with S: EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



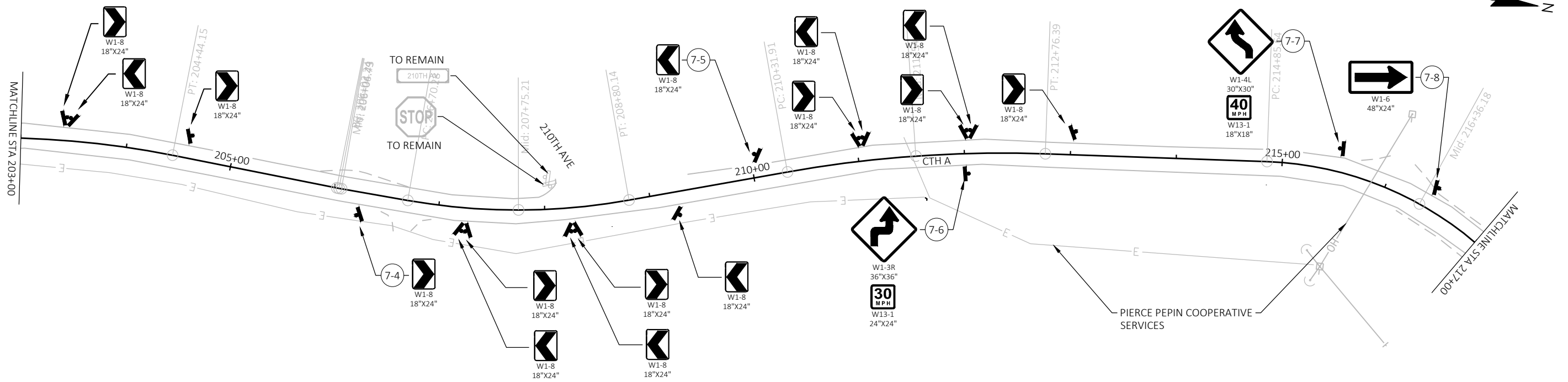


PIERCE PEPIN COOPERATIVE SERVICES

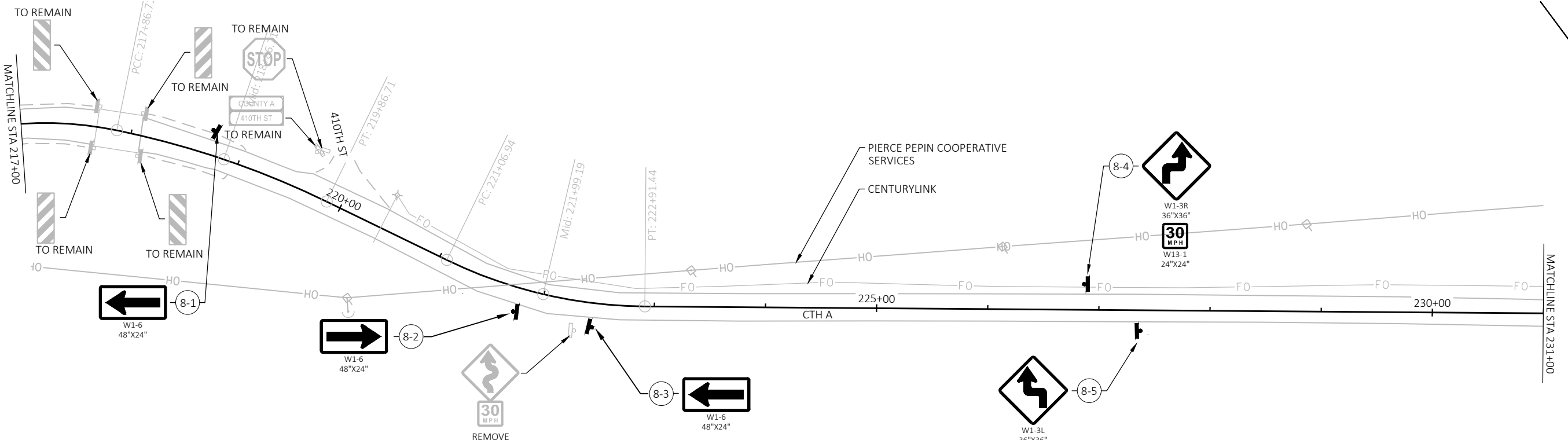
SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ▬ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY. HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



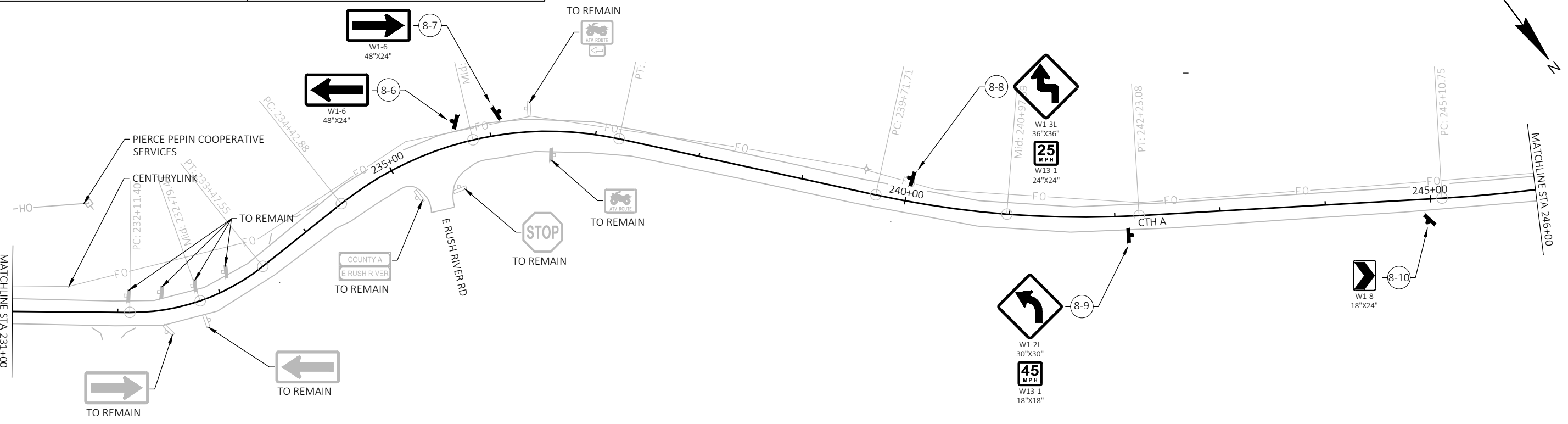
PIERCE PEPIN COOPERATIVE SERVICES

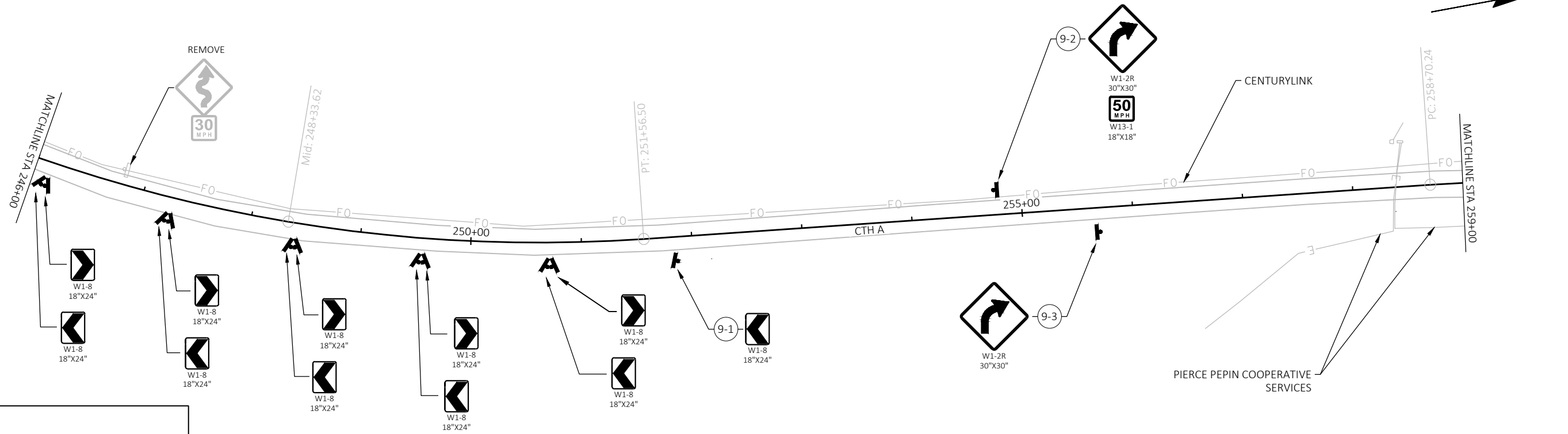


SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ▬ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

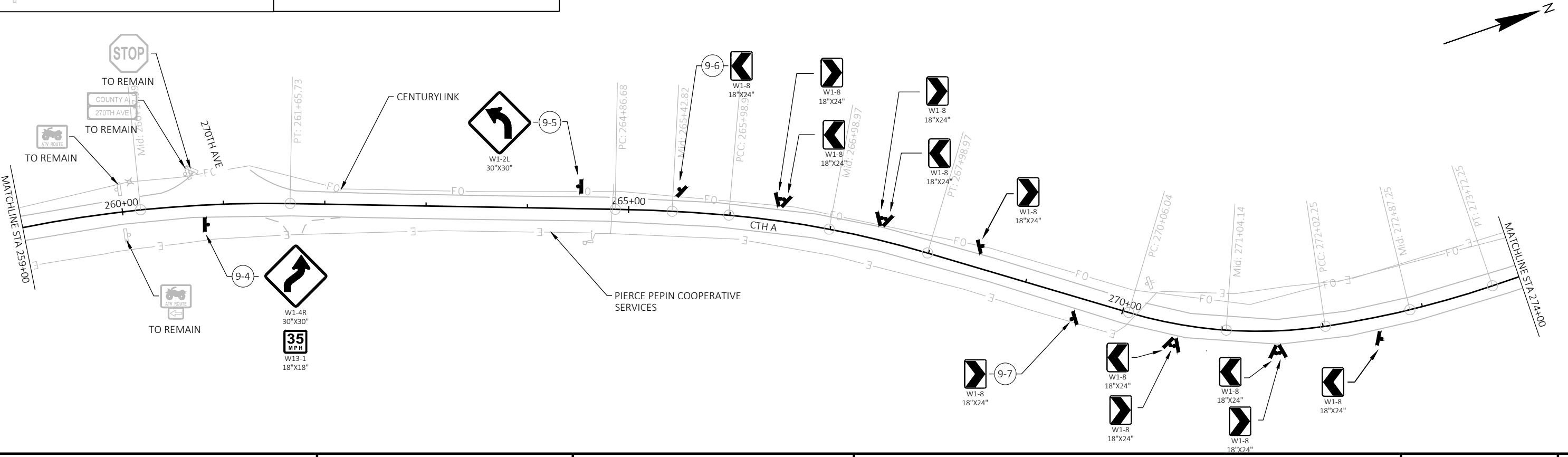




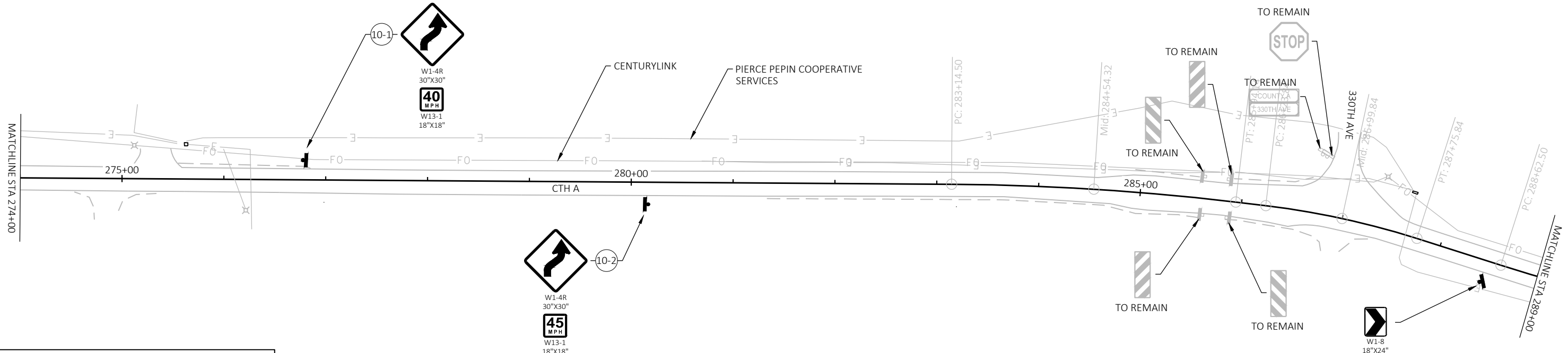
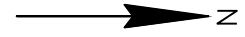
SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ➔ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ⊖ EXISTING SIGN ON POSTS WOOD
- ⊖ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY. HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



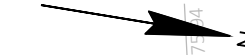
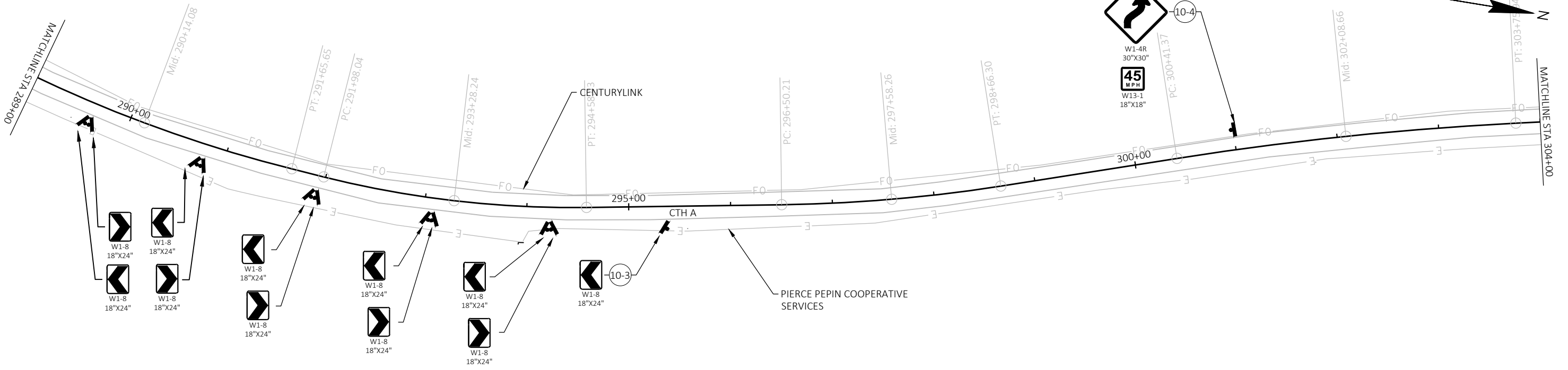
PROJECT NO: 7896-02-70	HWY: CTH A	COUNTY: PIERCE	PERMANENT SIGNING	SHEET E
------------------------	------------	----------------	-------------------	---------

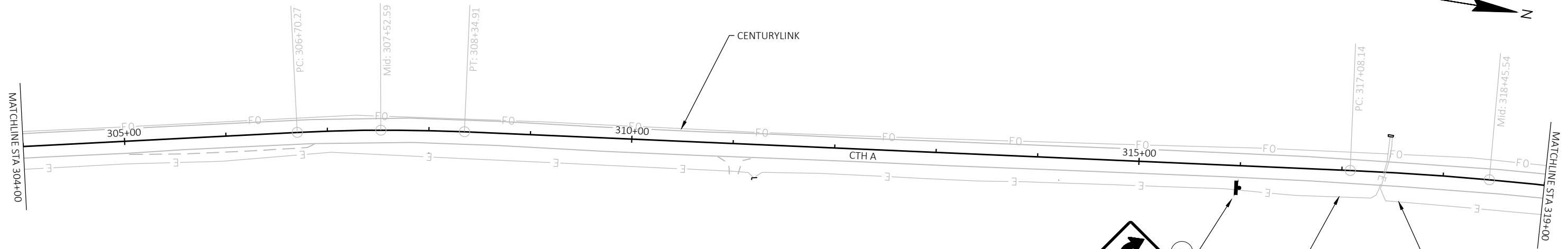


SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



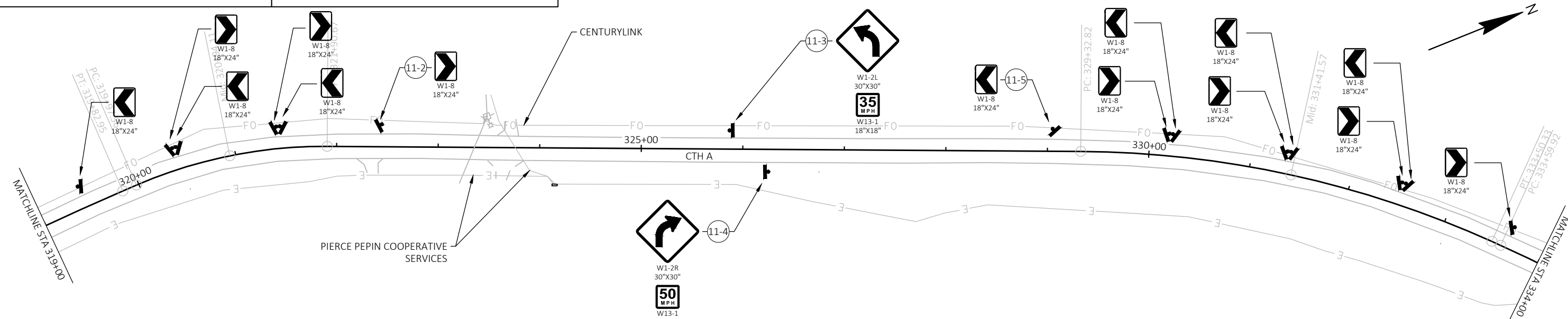


PIERCE PEPIN COOPERATIVE SERVICES

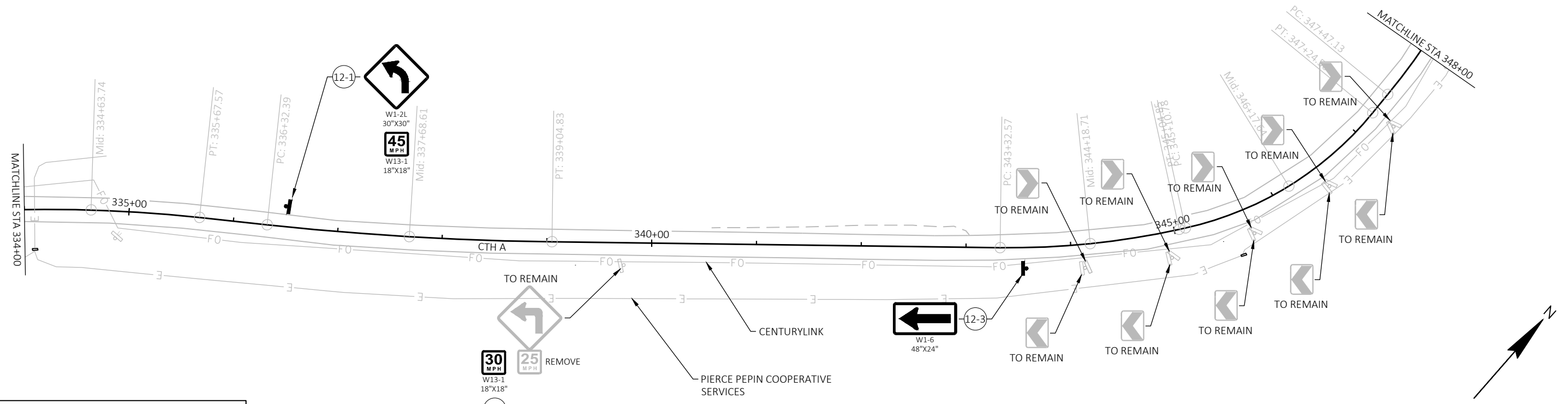
SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ▬ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



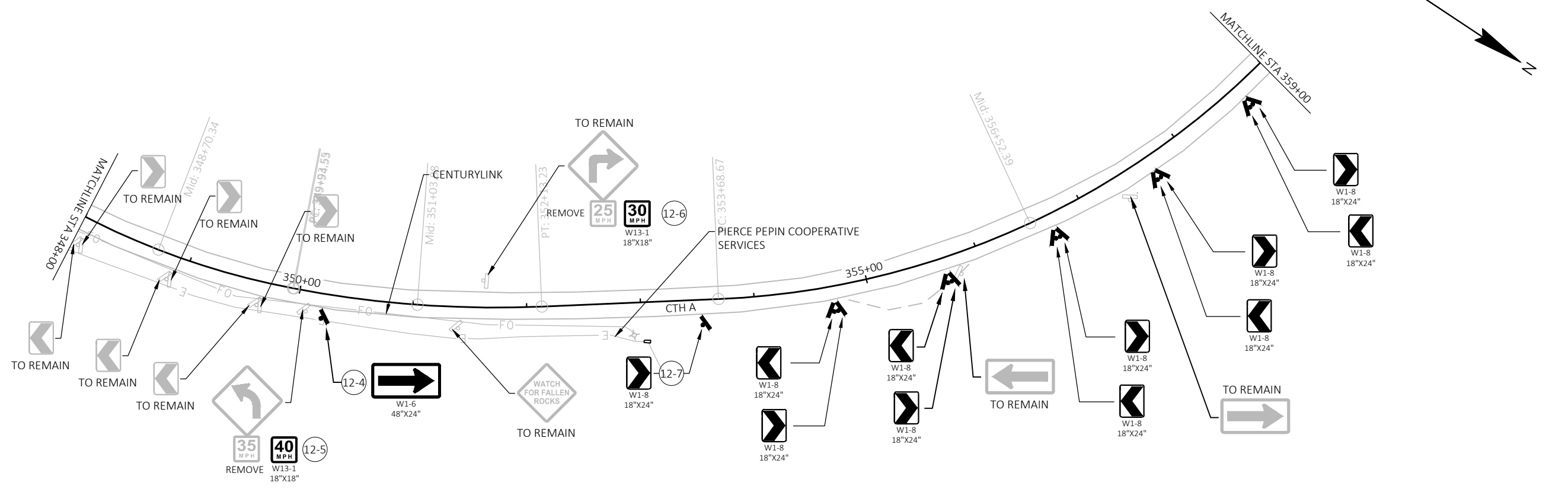
PIERCE PEPIN COOPERATIVE SERVICES



SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- EXISTING SIGN ON POSTS WOOD
- EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
 HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
 OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



PROJECT NO: 7896-02-70

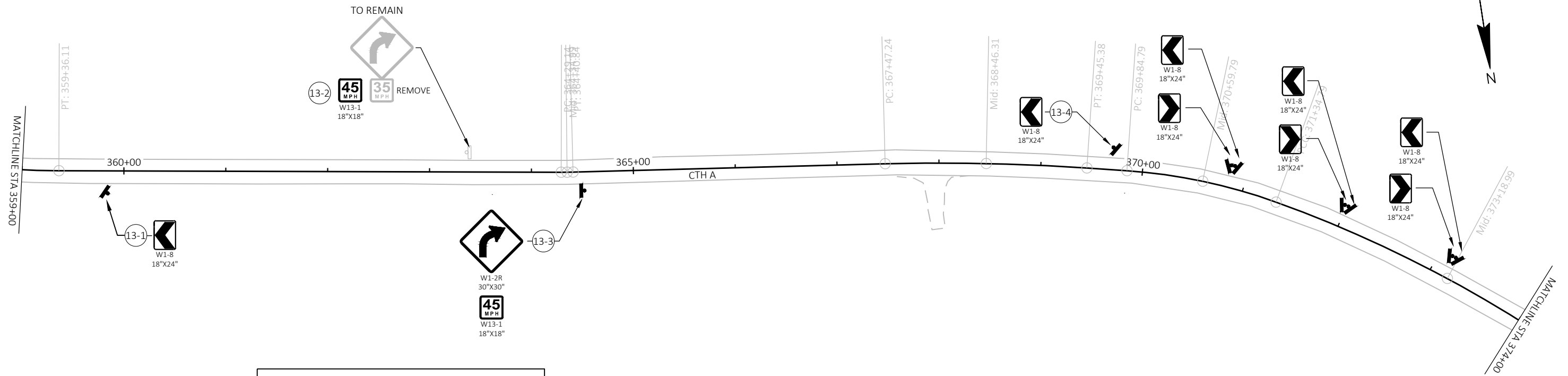
HWY: CTH A

COUNTY: PIERCE

PERMANENT SIGNING

SHEET

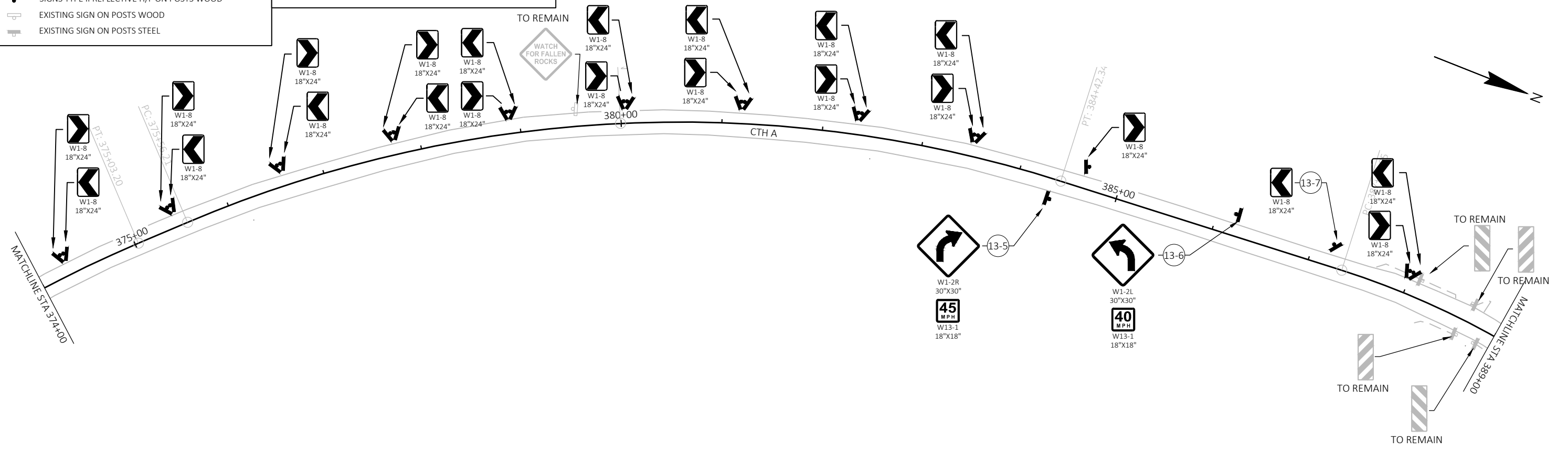
E

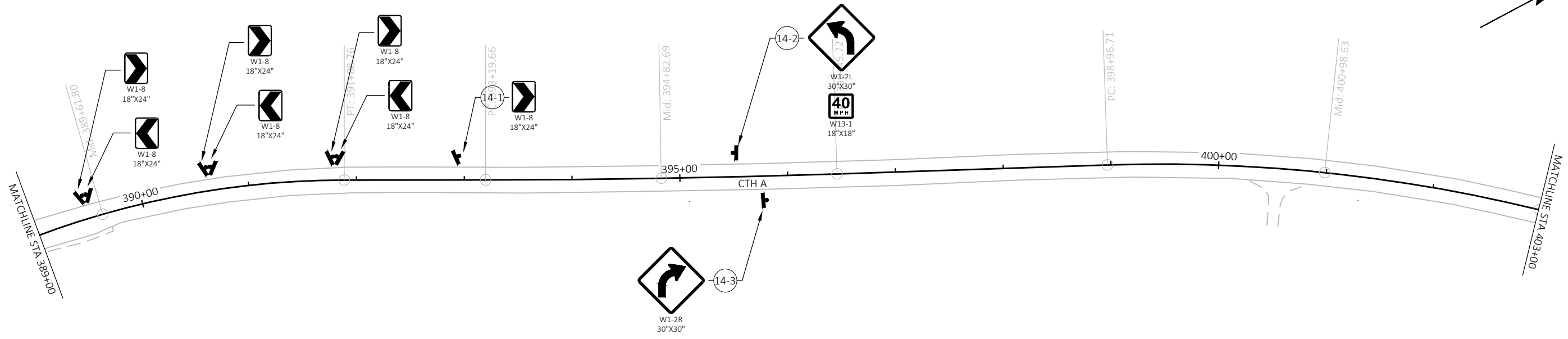


SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ▬ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS WOOD
- ▬ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
OF EXISTING PAVEMENT BY ENGINEER IN FIELD.

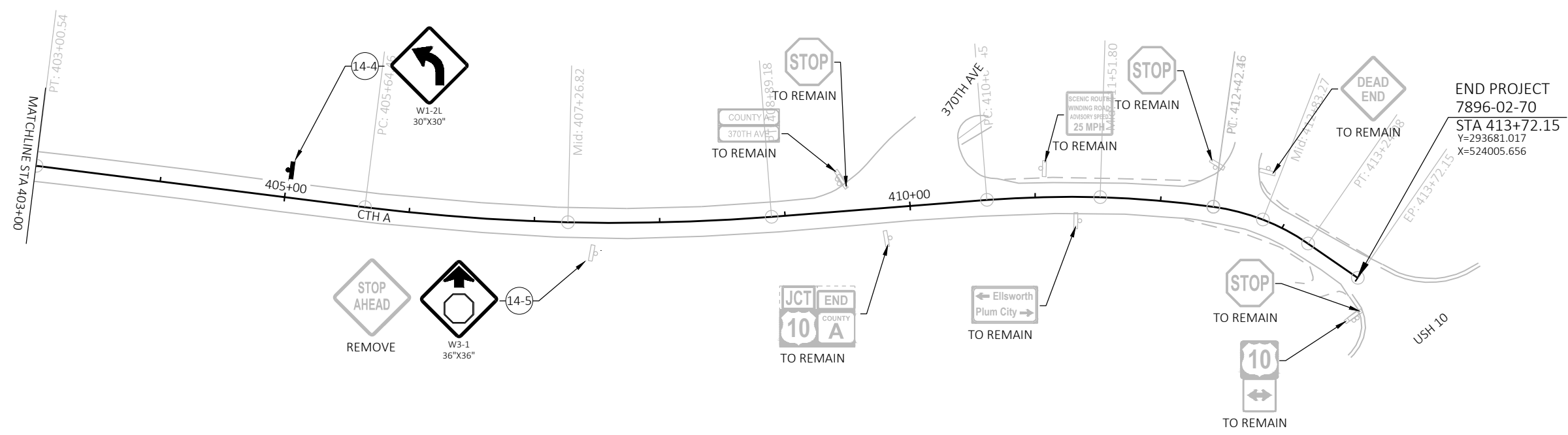




SIGN LEGEND

- (XXX) DENOTES SIGN NUMBER
- ▬ SIGNS TYPE II REFLECTIVE H/F ON POSTS WOOD
- ◻ EXISTING SIGN ON POSTS WOOD
- ◻ EXISTING SIGN ON POSTS STEEL

NOTES: ALIGNMENT DATA FOR VISUAL REFERENCE ONLY.
 HORIZONTAL OFFSETS TO BE MEASURED FROM EXISTING CENTER
 OF EXISTING PAVEMENT BY ENGINEER IN FIELD.



Estimate Of Quantities

7896-02-70

Line	Item	Item Description	Unit	Total	Qty
0002	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	27.000	27.000
0004	213.0100	Finishing Roadway (project) 01. 7896-02-70	EACH	1.000	1.000
0006	305.0110	Base Aggregate Dense 3/4-Inch	TON	16.000	16.000
0008	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	44.000	44.000
0010	455.0605	Tack Coat	GAL	35.000	35.000
0012	465.0105	Asphaltic Surface	TON	174.000	174.000
0014	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	37,408.000	37,408.000
0016	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7896-02-70	EACH	1.000	1.000
0018	619.1000	Mobilization	EACH	1.000	1.000
0020	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	240.000	240.000
0022	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	49.000	49.000
0024	637.2230	Signs Type II Reflective F	SF	1,149.750	1,149.750
0026	638.2602	Removing Signs Type II	EACH	11.000	11.000
0028	638.3000	Removing Small Sign Supports	EACH	5.000	5.000
0030	643.0300	Traffic Control Drums	DAY	858.000	858.000
0032	643.0900	Traffic Control Signs	DAY	564.000	564.000
0034	643.5000	Traffic Control	EACH	1.000	1.000
0036	646.1020	Marking Line Epoxy 4-Inch	LF	80,545.000	80,545.000
0038	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	79,840.000	79,840.000
0040	650.8000	Construction Staking Resurfacing Reference	LF	40,300.000	40,300.000
0042	650.9910	Construction Staking Supplemental Control (project) 01. 7896-02-70	LS	1.000	1.000
0044	690.0150	Sawing Asphalt	LF	2,547.000	2,547.000
0046	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0048	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000

SHOULDERING

CATEGORY	STATION TO	STATION	LOCATION	211.04	305.0110	305.0120	455.0605	465.0105	REMARKS
				PREPARE	BASE	BASE	TACK COAT	ASPHALTIC	
				FOUNDATION FOR	AGGREGATE	AGGREGATE		SURFACE	
				ASPHALTIC	DENSE 3/4-INCH	DENSE 1 1/4-			
				SHOULDERS	TON	INCH	GAL	TON	
				STA	TON	TON	GAL	TON	
0010	180+84	- 184+71	LT	5	3	8	6	32	
0010	221+06	- 222+91	LT	2	2	4	3	17	
0010	232+10	- 233+48	LT	2	1	3	2	13	
0010	234+42	- 237+22	LT	4	2	6	5	24	
0010	270+06	- 273+02	LT	4	2	6	5	25	
0010	319+98	- 321+90	RT	3	2	4	3	17	
0010	353+68	- 359+33	LT	7	4	11	9	45	
TOTAL 0010				27	16	44	35	174	

CENTERLINE RUMBLE STRIPS

CATEGORY	STATION TO	STATION	LOCATION	465.0475	REMARKS
				ASPHALT	
				CENTERLINE	
				RUMBLE STRIPS	
				2-LANE RURAL	
				LF	
0010	11+00	- 96+12	CL	8,412	
0010	96+98	- 115+55	CL	1,857	
0010	119+55	- 206+55	CL	8,700	
0010	210+55	- 217+43	CL	688	
0010	218+34	- 233+40	CL	1,506	
0010	237+40	- 259+00	CL	2,160	
0010	263+00	- 284+95	CL	2,195	
0010	288+95	- 407+85	CL	11,890	
TOTAL 0010				37,408	

PERMANENT SIGNING

CATEGORY	SIGN GROUP #	SIGN CODE	SIGN MESSAGE	SIZE	LOCATION	634.0614	634.0618	637.2230	638.2602	638.3000	REMARKS
						POSTS WOOD 4X6- INCH X 14-FT EACH	POSTS WOOD 4X6- INCH X 18-FT EACH	SIGNS TYPE II REFLECTIVE F SF	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	
0010	1-1	W1-2L	LEFT CURVE	30 X 30	15+16 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	1-2	W1-8	CHEVRONS (20)	18 X 24	18+08 - 29+56 RT	20	---	60.00	---	---	
0010	1-3	W3-1	STOP AHEAD	36 X 36	22+33 LT	---	1	9.00	1	1	
0010	1-4	W1-2R	RIGHT CURVE	30 X 30	31+70 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	2-1	W1-2R	RIGHT CURVE	30 X 30	50+17 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	2-2	W1-8	CHEVRONS (6)	18 X 24	53+50 - 56+96 LT	6	---	18.00	---	---	
0010	2-3	W1-2L	LEFT CURVE	30 X 30	59+79 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	2-4	W1-2R	RIGHT CURVE	30 X 30	60+42 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	2-5	W1-8	CHEVRONS (6)	18 X 24	63+08 - 66+50 LT	6	---	18.00	---	---	
0010	3-1	W1-2L	LEFT CURVE	30 X 30	69+32 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	3-2	W1-5R	WINDING ROAD RIGHT	30 X 30	74+10 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	3-3	W1-8	CHEVRONS (10)	18 X 24	76+19 - 81+79 LT	10	---	30.00	---	---	
0010	3-4	W1-8	CHEVRONS (6)	18 X 24	81+89 - 85+29 RT	6	---	18.00	---	---	
0010	3-5	W1-8	CHEVRONS (8)	18 X 24	86+41 - 91+00 LT	8	---	24.00	---	---	
0010	3-6	W1-5L	WINDING ROAD LEFT	30 X 30	93+91 LT	---	1	6.25	---	---	
0010			ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	4-1	W1-2R	RIGHT CURVE	30 X 30	114+50 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	4-2	W1-8	CHEVRONS (10)	18 X 24	116+90 - 122+70 LT	10	---	30.00	---	---	
0010	4-3	W1-2L	LEFT CURVE	30 X 30	125+50 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	5-1	W1-2L	LEFT CURVE	30 X 30	134+88 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	5-2	W1-8	CHEVRONS (26)	18 X 24	137+83 - 155+73 RT	26	---	78.00	---	---	
0010	5-3	W1-2R	RIGHT CURVE	30 X 30	155+55LT	---	1	6.25	---	---	
0010	6-1	W1-5R	WINDING ROAD RIGHT	30 X 30	159+85 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 35 MPH	18 X 18		---	---	2.25	---	---	
0010	6-2	W1-8	CHEVRONS (10)	18 X 24	162+95 - 168+71 LT	10	---	30.00	---	---	
0010	6-3	W1-8	CHEVRONS (6)	18 X 24	171+45 - 174+92 RT	6	---	18.00	---	---	
0010	6-4	W1-8	CHEVRONS (8)	18 X 24	180+70 - 185+28 RT	8	---	24.00	---	---	
0010	6-5	S3-1	SCHOOL BUS STOP AHEAD	36 X 36	187+10 LT	---	1	9.00	1	1	
SHEET 1 TOTAL						116	15	474	2	2	

PERMANENT SIGNING

CATEGORY	SIGN GROUP #	SIGN CODE	SIGN MESSAGE	SIZE	LOCATION	634.0614	634.0618	637.2230	638.2602	638.3000	REMARKS
						POSTS WOOD 4X6- INCH X 14-FT	POSTS WOOD 4X6- INCH X 18-FT	SIGNS TYPE II REFLECTIVE F SF	REMOVING SIGNS TYPE II EACH	SMALL SIGN SUPPORTS EACH	
0010	7-1	W1-5R	WINDING ROAD RIGHT	30 X 30	188+60 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 35 MPH	18 X 18		---	---	2.25	---	---	
0010	7-2	W1-5R	WINDING ROAD RIGHT	30 X 30	193+35 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 35 MPH	18 X 18		---	---	2.25	---	---	
0010	7-3	W1-8	CHEVRONS (14)	18 X 24	196+52 - 204+59 LT	14	---	42.00	---	---	
0010	7-4	W1-8	CHEVRONS (6)	18 X 24	206+26 - 209+25 RT	6	---	18.00	---	---	
0010	7-5	W1-8	CHEVRONS (6)	18 X 24	210+06 - 213+05 LT	6	---	18.00	---	---	
0010	7-6	W1-3R	REVERSE TURN RIGHT	36 X 36	212+03 RT	---	1	9.00	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 30 MPH	24 X 24		---	---	4.00	---	---	
0010	7-7	W1-4L	REVERSE CURVE LEFT	30 X 30	215+47 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	7-8	W1-6	ONE DIRECTION ARROW	48 X 24	216+38 LT	---	1	8.00	---	---	
0010	8-1	W1-6	ONE DIRECTION ARROW	48 X 24	218+70 LT	---	1	8.00	---	---	
0010	-	-	WINDING ROAD RIGHT / ADVISORY	-	222+32 RT	---	---	---	2	1	
0010	8-2	W1-6	ONE DIRECTION ARROW	48 X 24	221+77 RT	---	1	8.00	---	---	
0010	8-3	W1-6	ONE DIRECTION ARROW	48 X 24	222+45 RT	---	1	8.00	---	---	
0010	8-4	W1-3R	REVERSE TURN RIGHT	36 X 36	226+87 LT	---	1	9.00	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 30 MPH	24 X 24		---	---	4.00	---	---	
0010	8-5	W1-3L	REVERSE TURN LEFT	36 X 36	227+35 RT	---	1	9.00	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 25 MPH	24 X 24		---	---	4.00	---	---	
0010	8-6	W1-6	ONE DIRECTION ARROW	48 X 24	235+69 LT	---	1	8.00	---	---	
0010	8-7	W1-6	ONE DIRECTION ARROW	48 X 24	236+11 LT	---	1	8.00	---	---	
0010	8-8	W1-3L	REVERSE TURN LEFT	36 X 36	240+00 LT	---	1	9.00	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 25 MPH	24 X 24		---	---	4.00	---	---	
0010	8-9	W1-2L	LEFT CURVE	30 X 30	242+15 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	8-10	W1-8	CHEVRON	18 X 24	244+96 RT	1	---	3.00	---	---	
0010	9-1	W1-8	CHEVRONS (11)	18 X 24	246+00 - 251+87 RT	11	---	33.00	---	---	
0010	-	-	WINDING ROAD RIGHT / ADVISORY	-	246+78 LT	---	---	---	2	1	
0010	9-2	W1-2R	RIGHT CURVE	30 X 30	254+75 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	9-3	W1-2R	RIGHT CURVE	30 X 30	255+70 RT	---	1	6.25	---	---	
0010	9-4	W1-4R	REVERSE CURVE RIGHT	30 X 30	260+84 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 35 MPH	18 X 18		---	---	2.25	---	---	
0010	9-5	W1-2L	LEFT CURVE	30 X 30	264+50 LT	---	1	6.25	---	---	
0010	9-6	W1-8	CHEVRONS (6)	18 X 24	265+47 - 268+48 LT	6	---	18.00	---	---	
0010	9-7	W1-8	CHEVRONS (6)	18 X 24	269+56 - 272+53 RT	6	---	18.00	---	---	
0010	10-1	W1-4R	REVERSE CURVE RIGHT	30 X 30	276+77 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	10-2	W1-4R	REVERSE CURVE RIGHT	30 X 30	280+17 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	10-3	W1-8	CHEVRONS (12)	18 X 24	288+48 - 295+37 RT	12	---	36.00	---	---	
0010	10-4	W1-4R	REVERSE CURVE RIGHT	30 X 30	301+00 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
SHEET 2 TOTAL						62	21	375	4	2	

PROJECT NO: 7896-02-70

HWY: CTH A

COUNTY: PIERCE

MISCELLANEOUS QUANTITIES

SHEET

E

FILE NAME :

PLOT DATE : 7/28/2021

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

3

3

PERMANENT SIGNING

CATEGORY	SIGN GROUP #	SIGN CODE	SIGN MESSAGE	SIZE	LOCATION	634.0614	634.0618	637.2230	638.2602	638.3000	REMARKS
						POSTS WOOD 4X6- INCH X 14-FT	POSTS WOOD 4X6- INCH X 18-FT	SIGNS TYPE II REFLECTIVE F	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	
0010	11-1	W1-2R	RIGHT CURVE	30 X 30	316+00 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	11-2	W1-8	CHEVRONS (6)	18 X 24	319+45 - 322+45 LT	6	1	18.00	---	---	
0010	11-3	W1-2L	LEFT CURVE	30 X 30	325+86 LT	---	---	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 35 MPH	18 X 18		---	---	2.25	---	---	
0010	11-4	W1-2R	RIGHT CURVE	30 X 30	326+25 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 50 MPH	18 X 18		---	---	2.25	---	---	
0010	11-5	W1-8	CHEVRONS (8)	18 X 24	329+02 - 333+64 LT	8	---	24.00	---	---	
0010	12-1	W1-2L	LEFT CURVE	30 X 30	336+48 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	12-2	W13-1	ADVISORY SPEED PLATE (YELLOW) 30 MPH	18 X 18	339+75	---	---	2.25	1	---	
0010	12-3	W1-6	ONE DIRECTION ARROW	48 X 24	343+57 RT	---	1	8.00	---	---	
0010	12-4	W1-6	ONE DIRECTION ARROW	48 X 24	350+22 RT	---	1	8.00	---	---	
0010	12-5	W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18	350+12 RT	---	---	2.25	1	---	
0010	12-6	W13-1	ADVISORY SPEED PLATE (YELLOW) 30 MPH	18 X 18	351+61 LT	---	---	2.25	1	---	
0010	12-7	W1-8	CHEVRONS (11)	18 X 24	353+55 - 358+67 RT	11	---	33.00	---	---	
0010	13-1	W1-8	CHEVRON (1)	18 X 24	359+85 RT	1	---	3.00	---	---	
0010	13-2	W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18	363+37 LT	---	---	2.25	1	---	
0010	13-3	W1-2R	RIGHT CURVE	30 X 30	364+52 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	13-4	W1-8	CHEVRONS (26)	18 X 24	369+67 - 384+62 LT	26	---	78.00	---	---	
0010	13-5	W1-2R	RIGHT CURVE	30 X 30	384+35 RT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 45 MPH	18 X 18		---	---	2.25	---	---	
0010	13-6	W1-2L	LEFT CURVE	30 X 30	386+80 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	13-7	W1-8	CHEVRONS (3)	18 X 24	387+18 - 388+00 LT	3	---	9.00	---	---	
0010	14-1	W1-8	CHEVRONS (7)	18 X 24	389+50 - 392+95 LT	7	---	21.00	---	---	
0010	14-2	W1-2L	LEFT CURVE	30 X 30	395+50 LT	---	1	6.25	---	---	
0010		W13-1	ADVISORY SPEED PLATE (YELLOW) 40 MPH	18 X 18		---	---	2.25	---	---	
0010	14-3	W1-2R	RIGHT CURVE	30 X 30	395+80 RT	---	1	6.25	---	---	
0010	14-4	W1-2L	LEFT CURVE	30 X 30	405+00 LT	---	1	6.25	---	---	
0010	14-5	W3-1	STOP AHEAD	36 X 36	407+50 RT	---	1	9.00	1	1	
SHEET 3 TOTAL						62	13	301	5	1	
TOTAL 0010						240	49	1,150	11	5	

TRAFFIC CONTROL

CATEGORY	STATION TO STATION	LOCATION	643.0300	643.0900	643.5000	REMARKS
			TRAFFIC CONTROL DRUMS	TRAFFIC CONTROL SIGNS	TRAFFIC CONTROL EACH	
0010	178+50 - 187+25	LT	42	24	--	SHOULDER WIDENING
0010	218+50 - 225+50	LT	39	24	--	SHOULDER WIDENING
0010	229+00 - 239+75	LT	48	24	--	SHOULDER WIDENING
0010	267+50 - 276+25	LT	42	24	--	SHOULDER WIDENING
0010	317+50 - 324+50	RT	39	24	--	SHOULDER WIDENING
0010	351+00 - 361+50	LT	48	24	--	SHOULDER WIDENING
0010	11+00 - 413+72		600	420	1	
TOTAL 0010			858	564	1	

PAVEMENT MARKING

CATEGORY	STATION TO STATION	LOCATION	646.1020	646.1040	REMARKS
			MARKING LINE EPOXY 4-INCH LF	MARKING LINE GROOVED WET REF EPOXY 4-INCH LF	
0010	11+00 - 413+72	LT	--	39,645	
0010	11+00 - 413+72	RT	--	40,195	
0010	11+00 - 413+72	CL	80,545	--	DOUBLE YELLOW
TOTAL 0010			80,545	79,840	

CONSTRUCTION STAKING

CATEGORY	STATION TO STATION	LOCATION	650.8000	650.9910.01	REMARKS
			CONSTRUCTION STAKING RESURFACING REFERENCE	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 7896-02-70)	
0010	11+00 - 413+72		40,300	1	
TOTAL 0010			40,300	1	

SAWING

CATEGORY	STATION TO STATION	LOCATION	690.0150	REMARKS
			SAWING ASPHALT LF	
0010	180+54 - 185+01	LT	449	
0010	220+76 - 223+21	LT	247	
0010	231+80 - 233+78	LT	200	
0010	234+12 - 237+52	LT	342	
0010	269+76 - 274+02	LT	428	
0010	319+68 - 322+20	RT	254	
0010	353+38 - 359+63	LT	627	
TOTAL 0010			2,547	

Standard Detail Drawing List

13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B29-01	SAFETY EDGE
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-09B	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
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

GENERAL NOTES

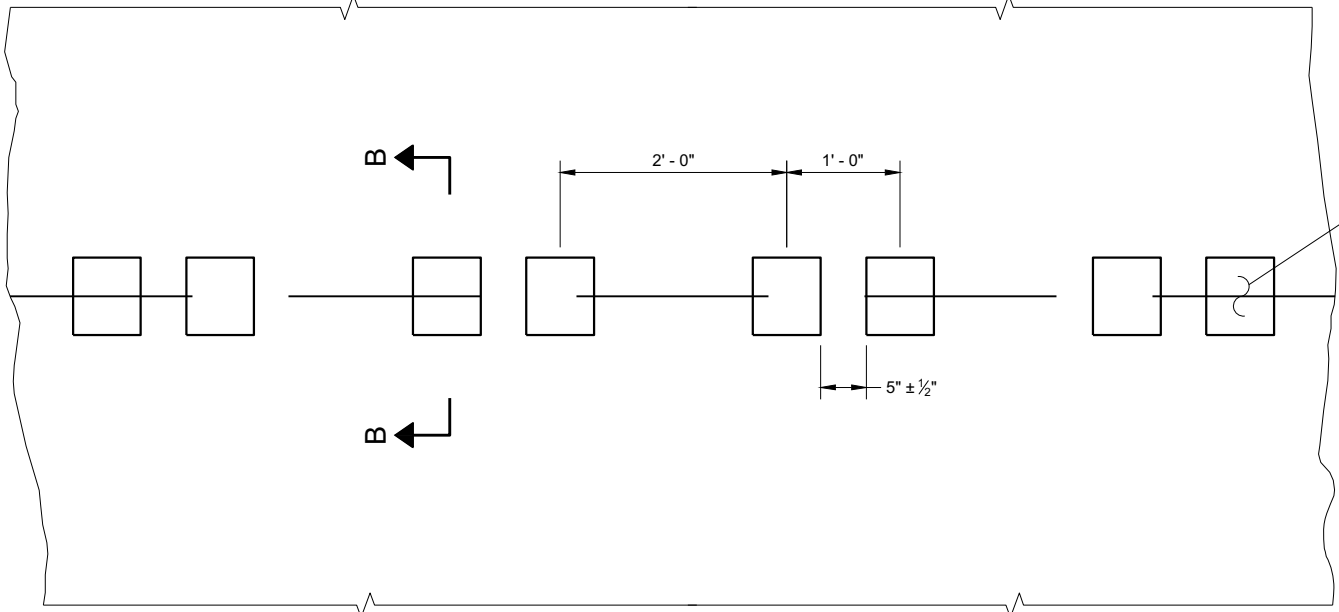
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

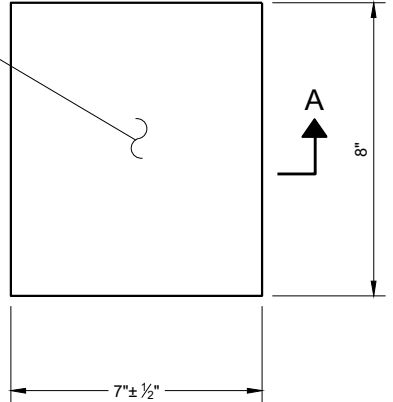
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

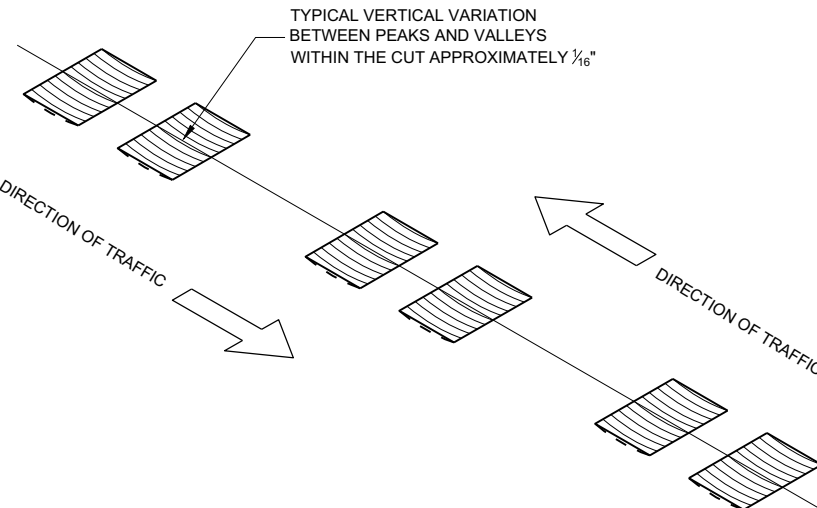
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



**PLAN VIEW
SHOULDER WITH GROOVES**

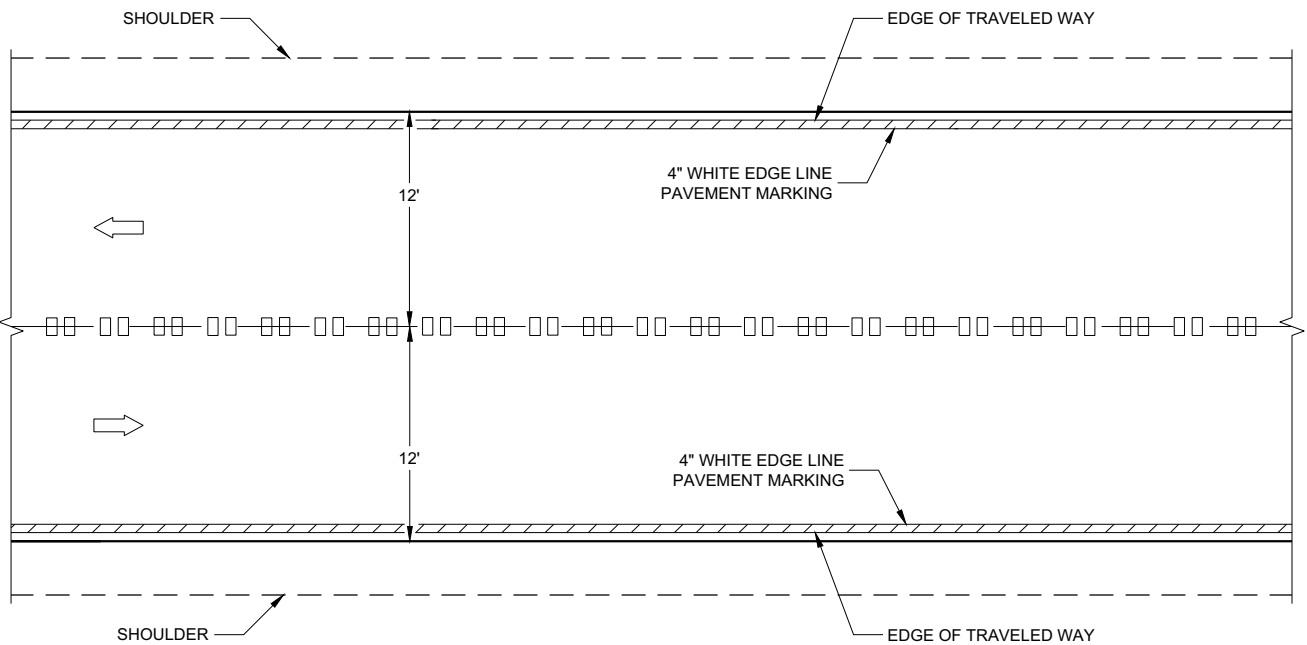


**PLAN VIEW
(SINGLE GROOVE)**

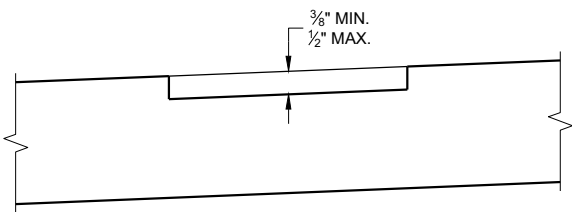


ISOMETRIC

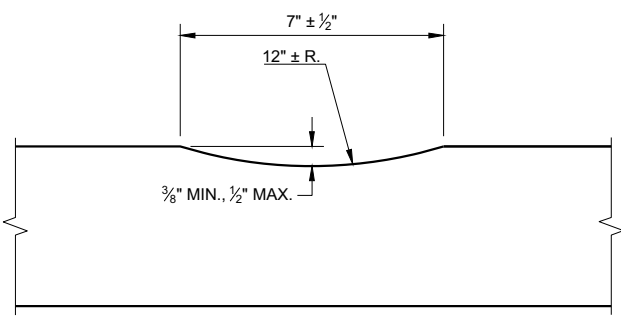
PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



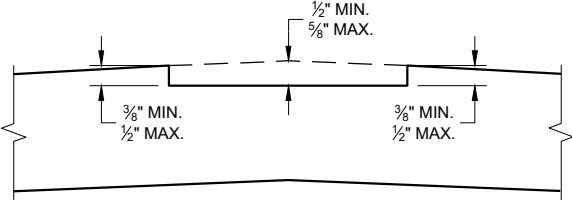
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



**SECTION B - B
SUPERELEVATED ROADWAY**

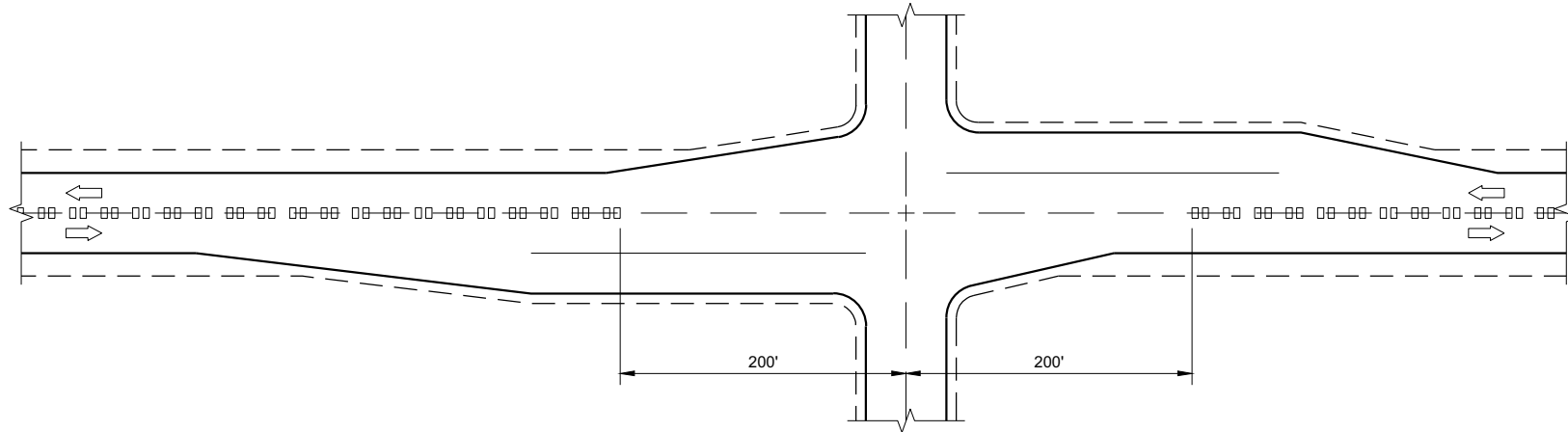


SECTION A - A

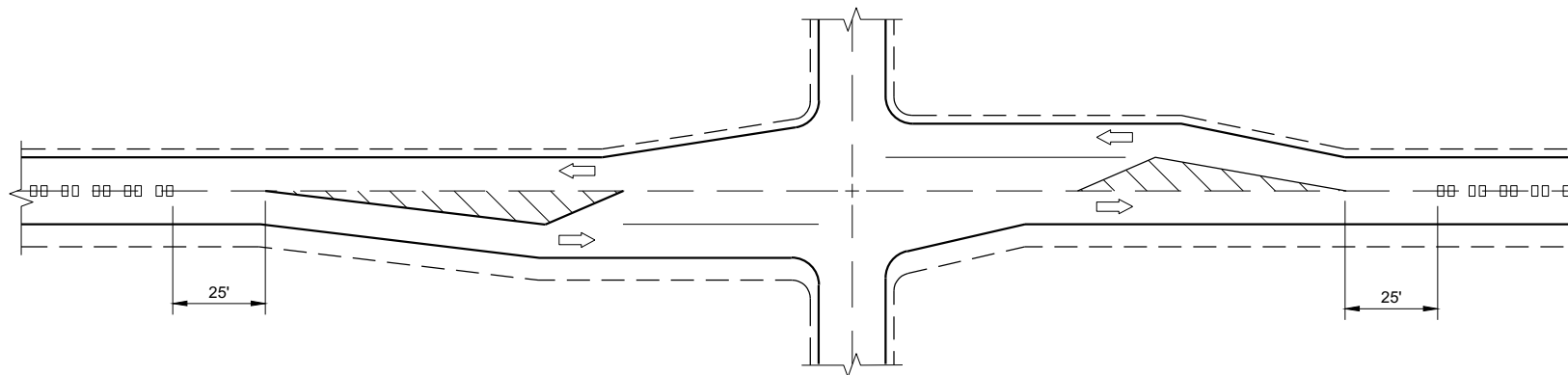


**SECTION B - B
CROWNED ROADWAY**

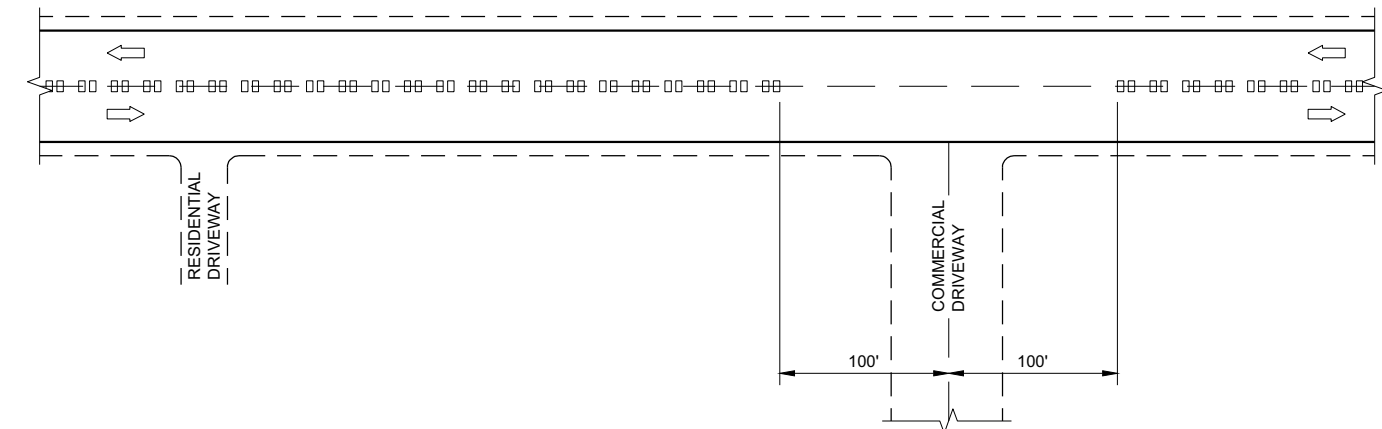
<p>2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING</p>
<p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>



CENTERLINE GROOVES AT INTERSECTIONS



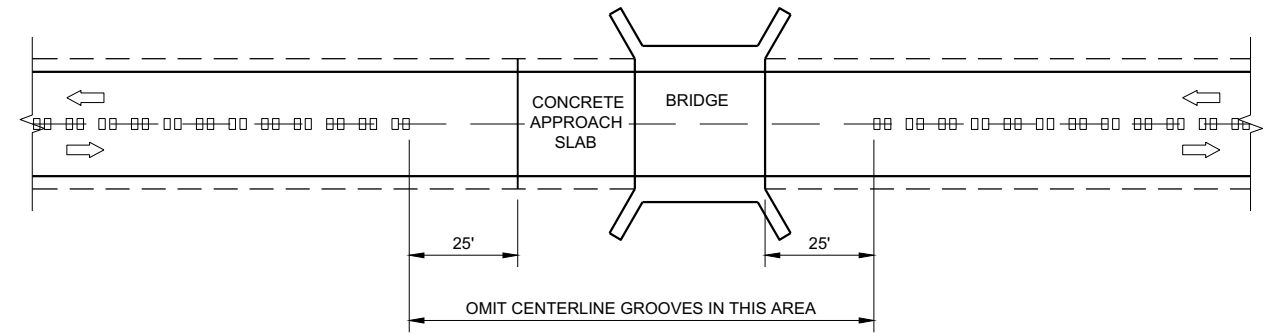
**CENTERLINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)**



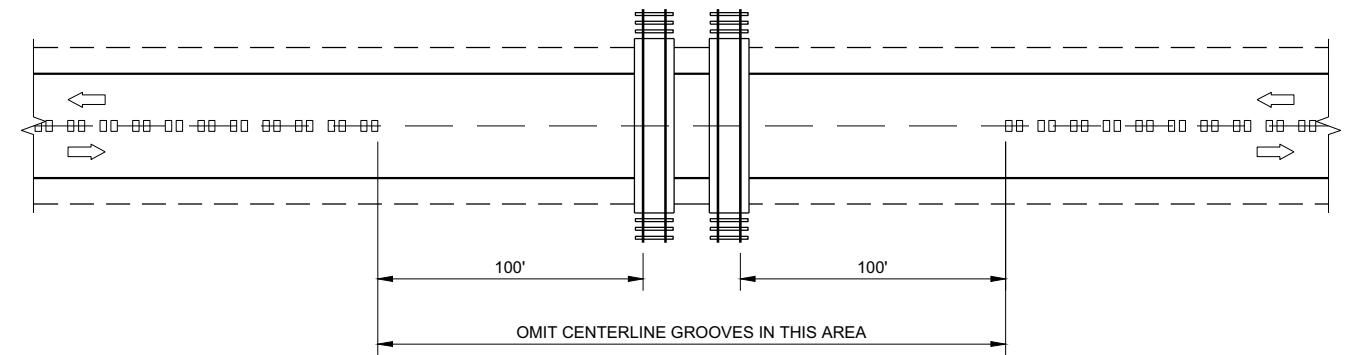
CENTERLINE GROOVES AT DRIVEWAYS^①

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

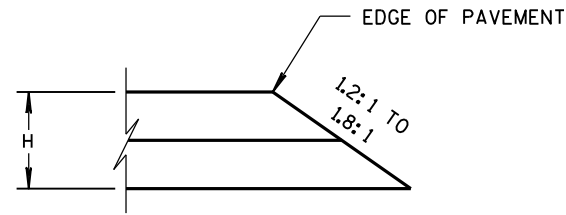
6

6

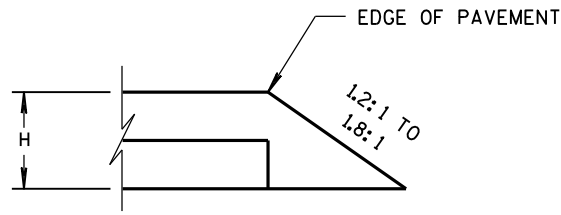
SDD 13A11 - 03b

SDD 13A11 - 03b

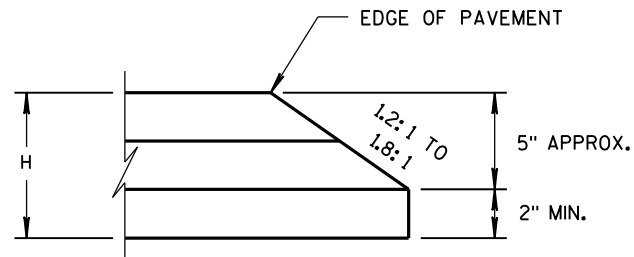
2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/2018 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	



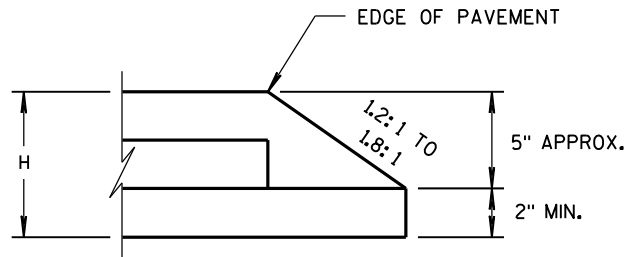
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

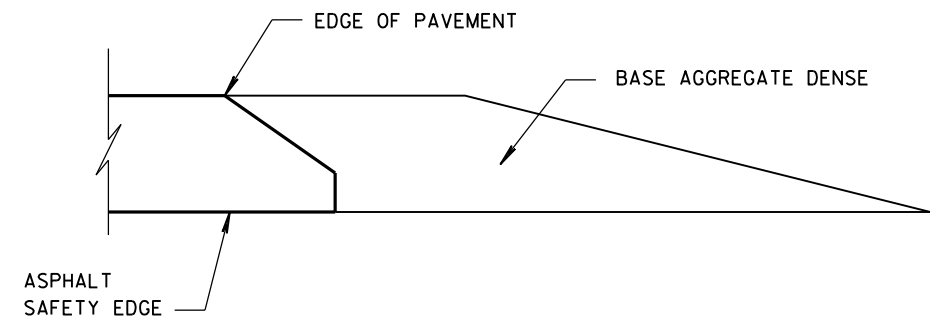


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE _{SM}	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE	/s/ Jerry H. Zogg 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.

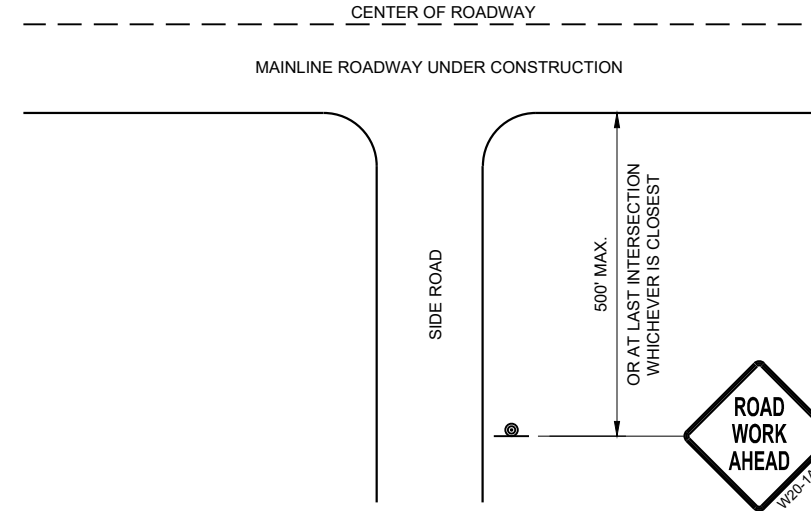
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

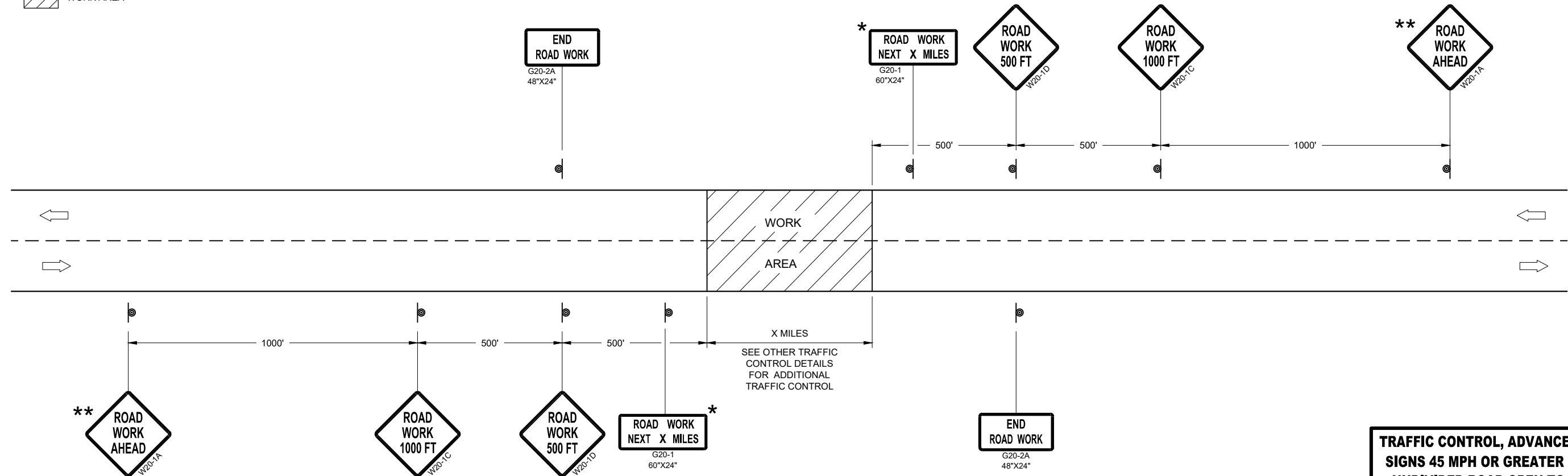
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- ** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

LEGEND

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



**TYPICAL SIDE ROAD APPROACH
WARNING SIGN DETAIL**



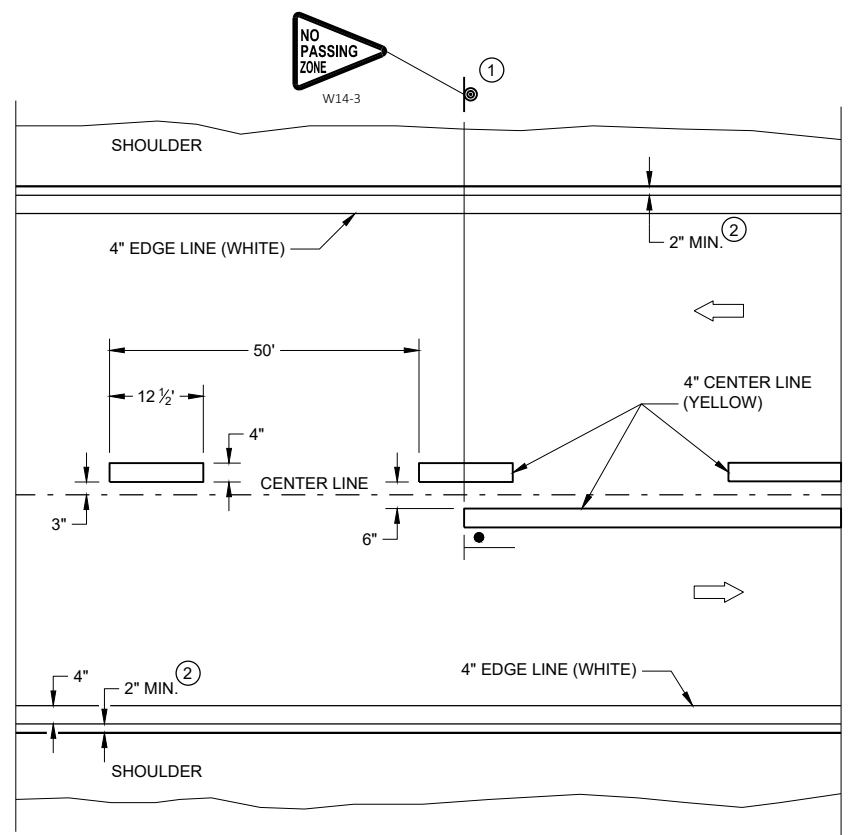
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

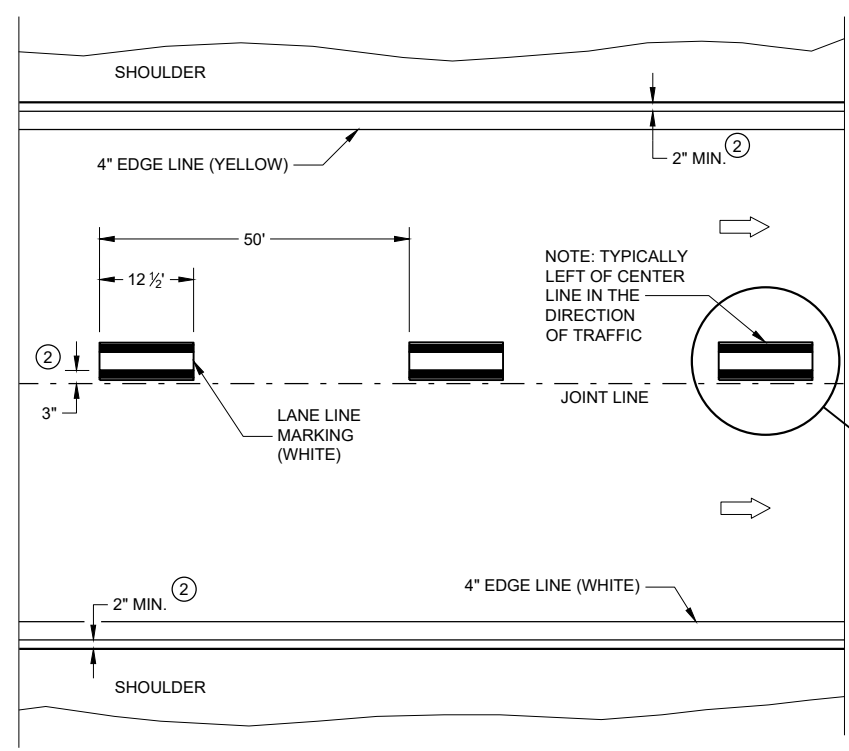
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

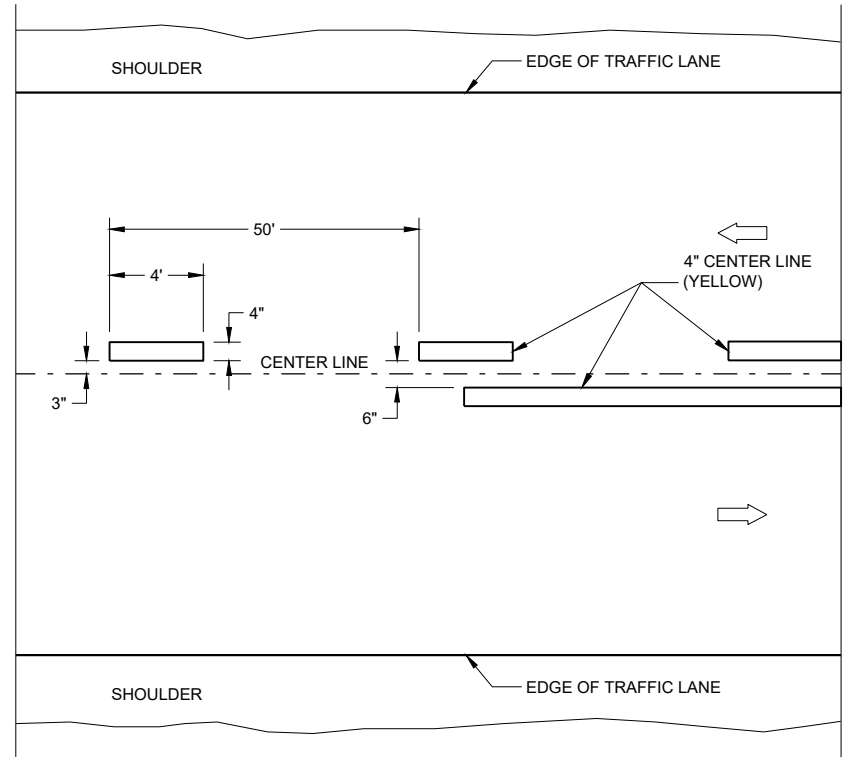


TWO WAY TRAFFIC

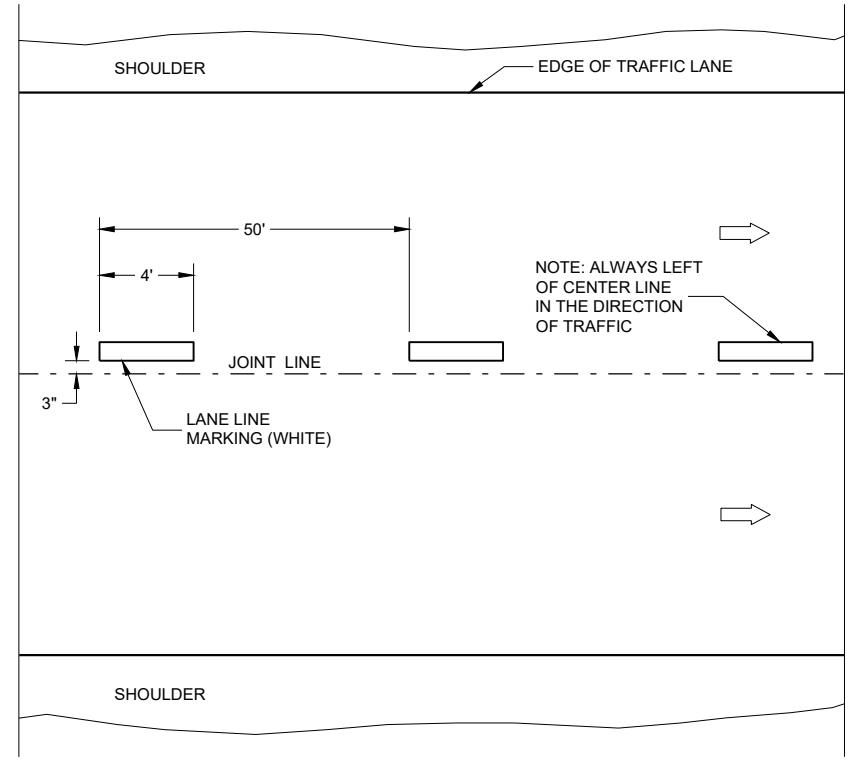


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

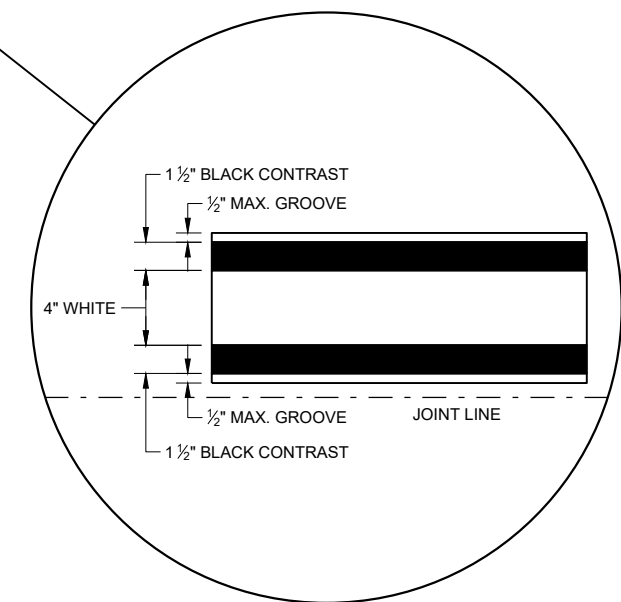
GENERAL NOTES

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

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

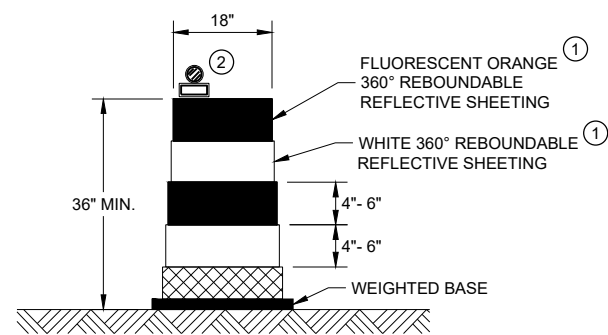
- |• "T" MARKING
- ⊙ SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC



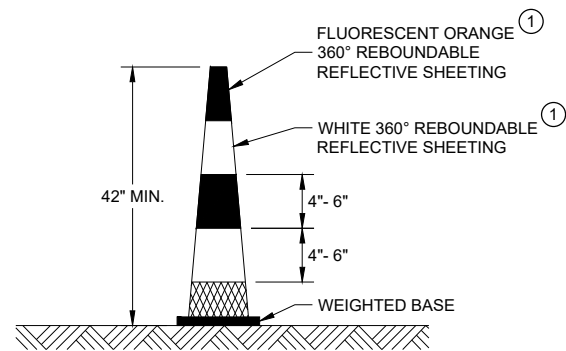
LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED
 February 2020 /S/ Matthew Rauch
 DATE STATEWIDE SIGNING AND MARKING ENGINEER
 FHWA

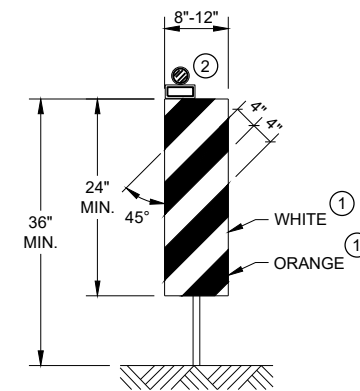


DRUM



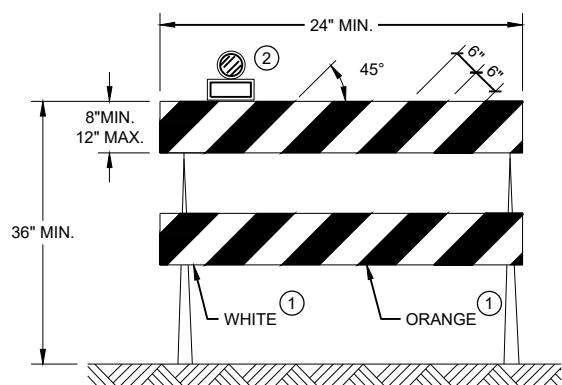
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



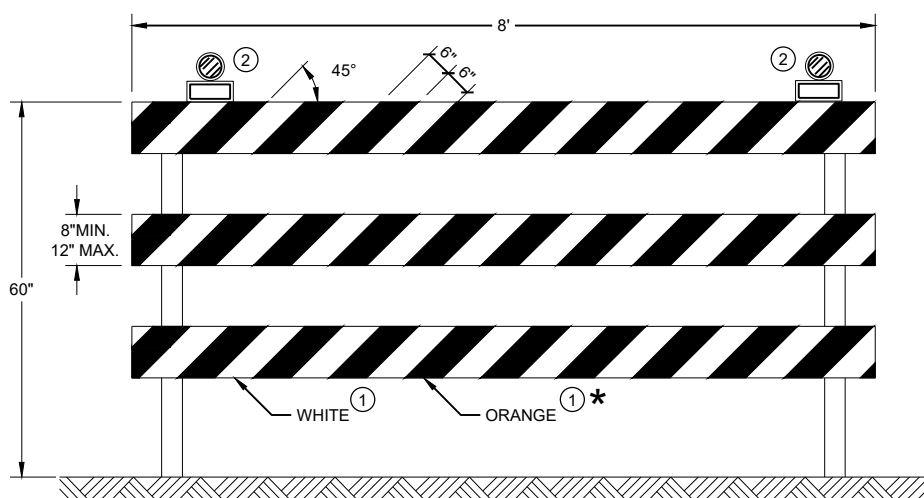
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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






* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2021 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

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.

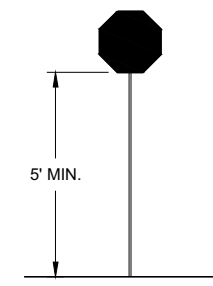
WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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 SPACED ACCORDING TO MANUFACTURER'S 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.



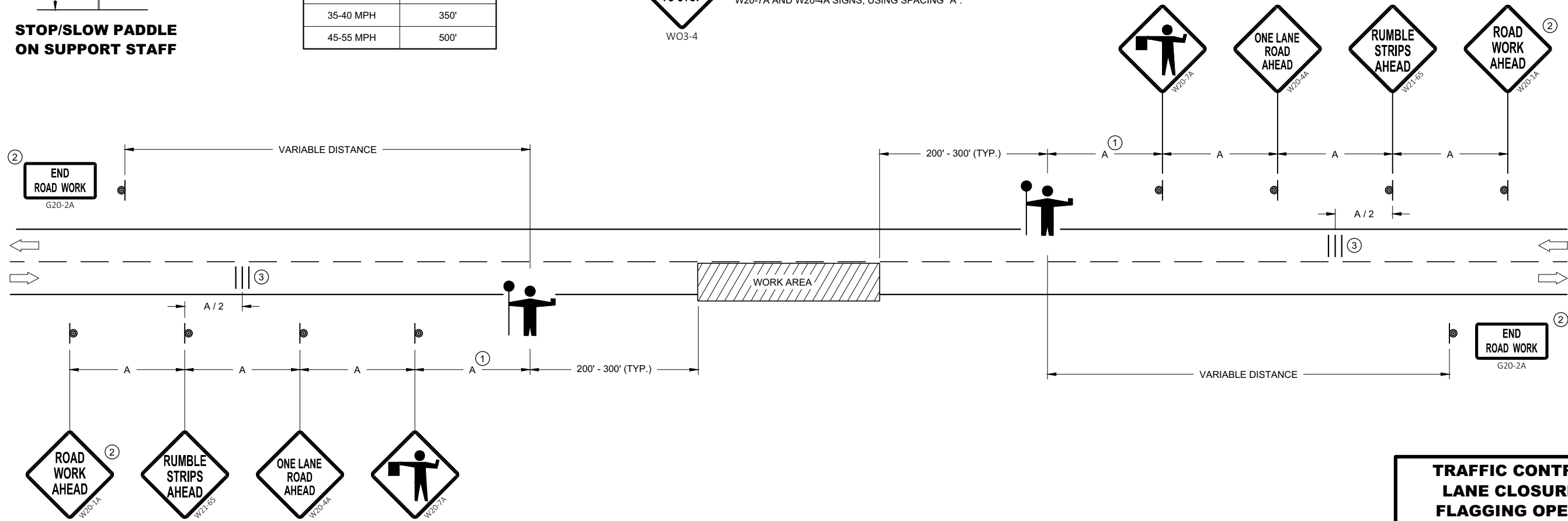
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



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





TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 /S/ Andrew Heidtke
DATE 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 (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 OPERATING IN CAUTION MODE. 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.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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.

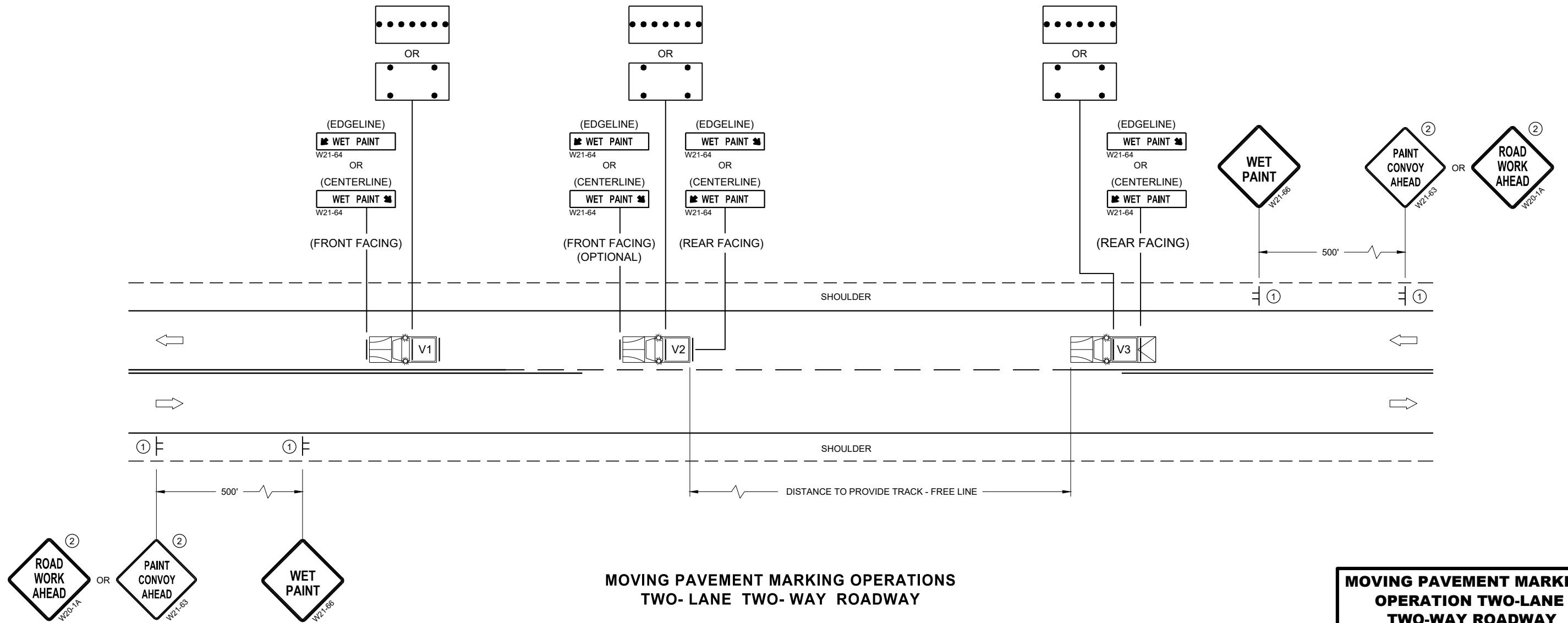
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

- 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.

6

6












**MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY**

SDD 15C19 - 06a

SDD 15C19 - 06a

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

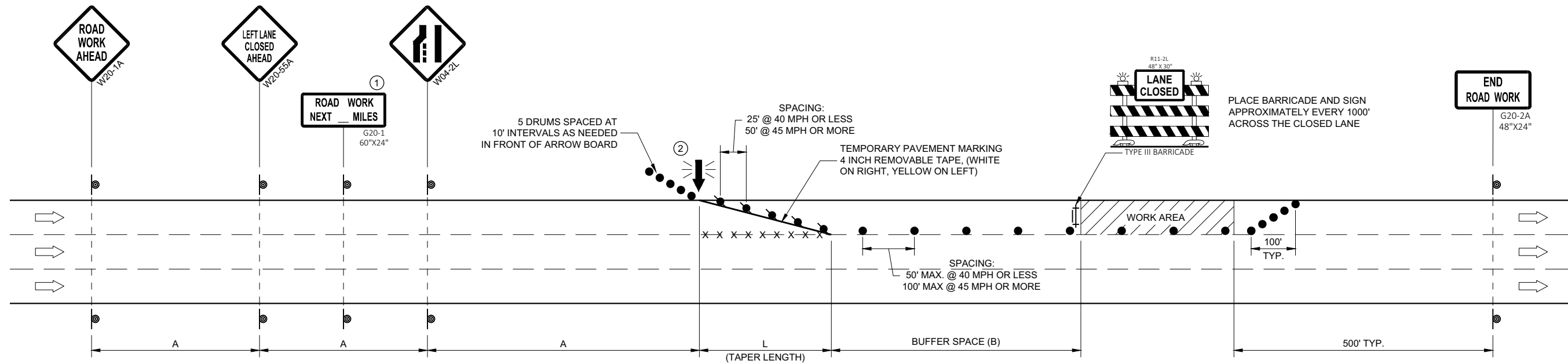
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.







POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 DATE /S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  DIRECTION OF TRAFFIC
-  WORK ZONE

GENERAL NOTES

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

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

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

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

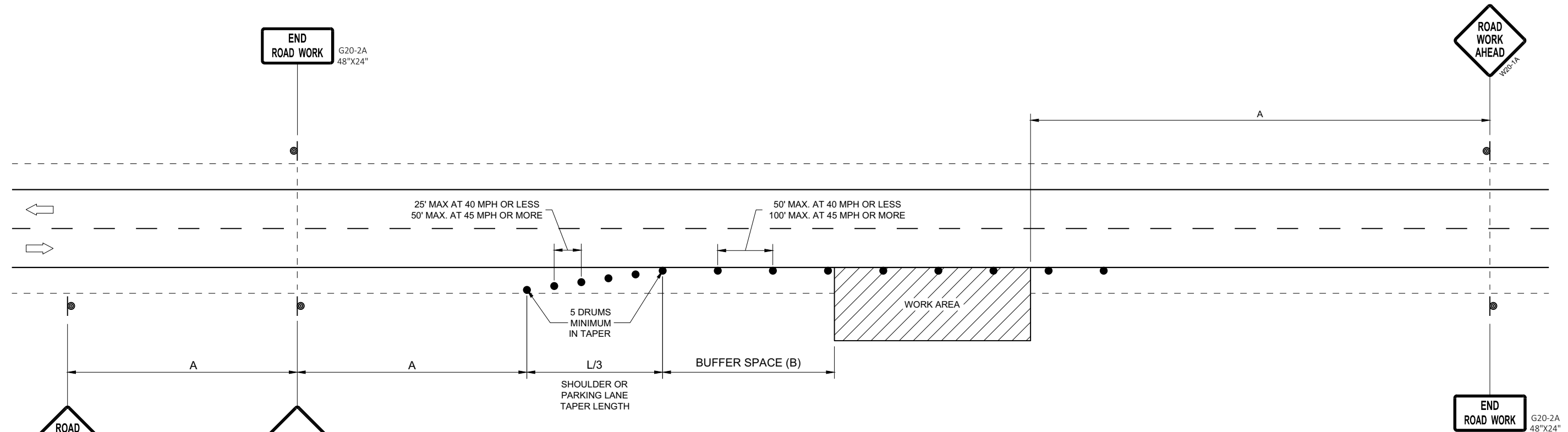
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

6

6



OR
IF TRAFFIC CONTROL DEVICES
ENCROACH ONTO TRAVELED WAY, USE

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

**TRAFFIC CONTROL, WORK ON
SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION





APPROVED
May 2020 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

LEGEND

- V1 WORK VEHICLE
- V2 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  FLASHING ARROW PANEL (CAUTION)
-  WORK AREA
-  DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

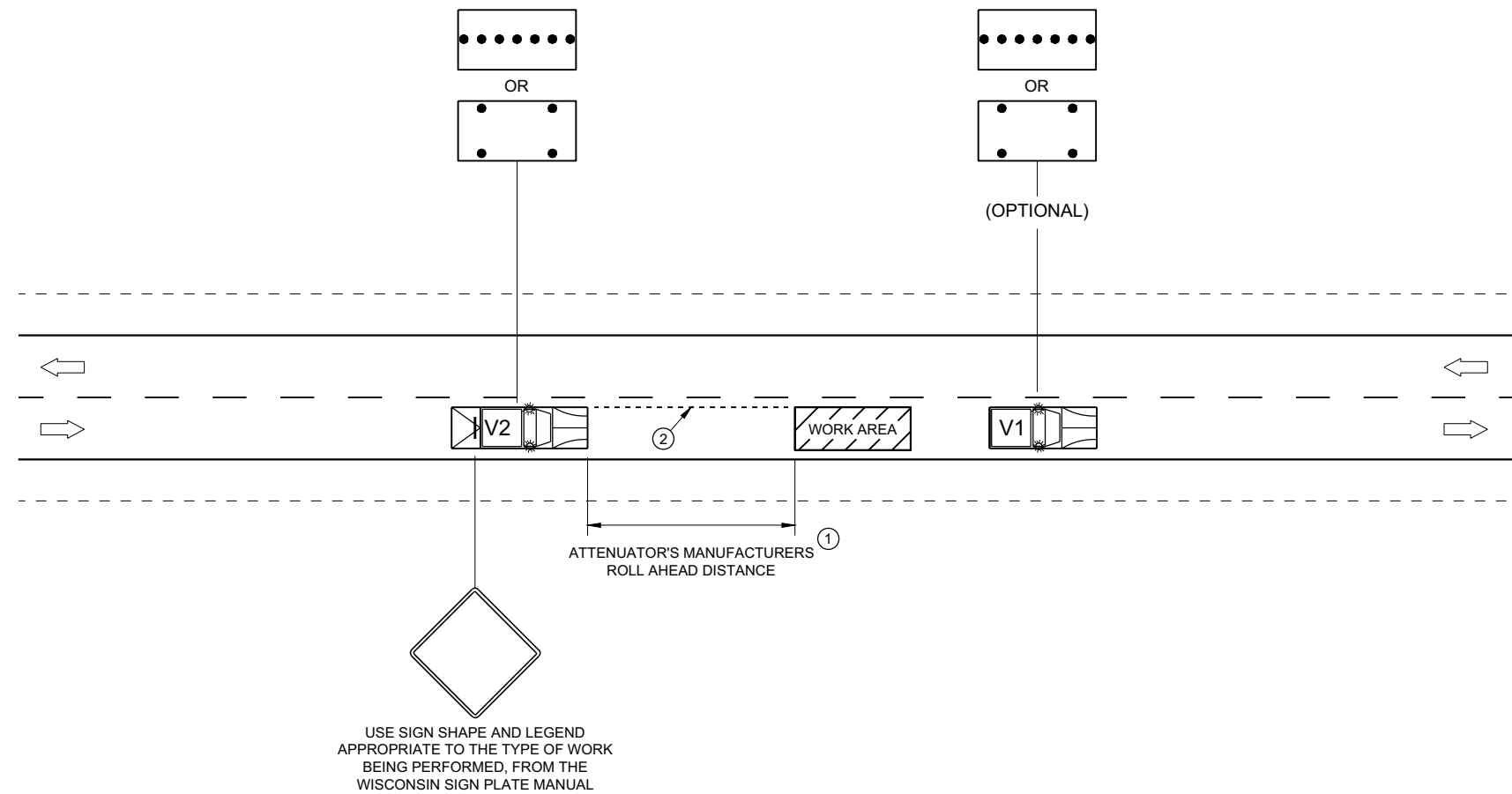
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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

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

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

- ① DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ② ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



6

6

SDD 15D51 - 01

SDD 15D51 - 01

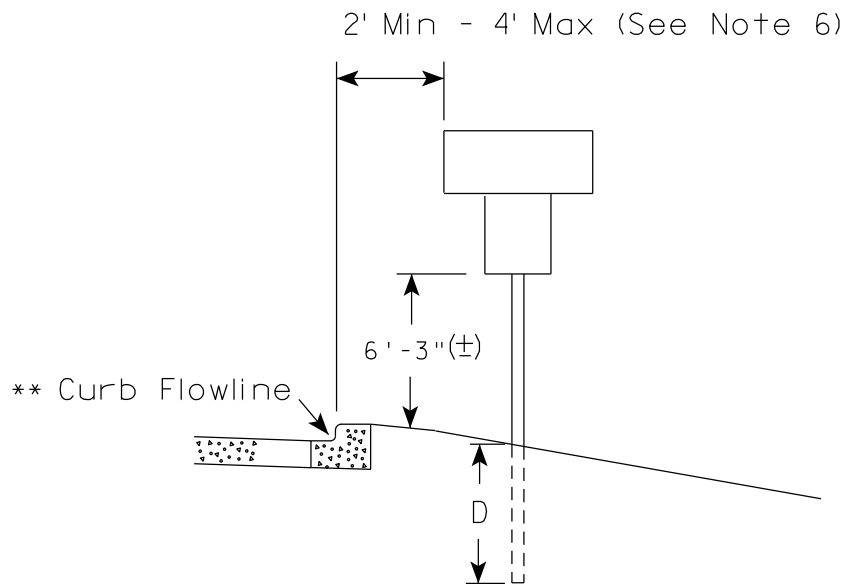
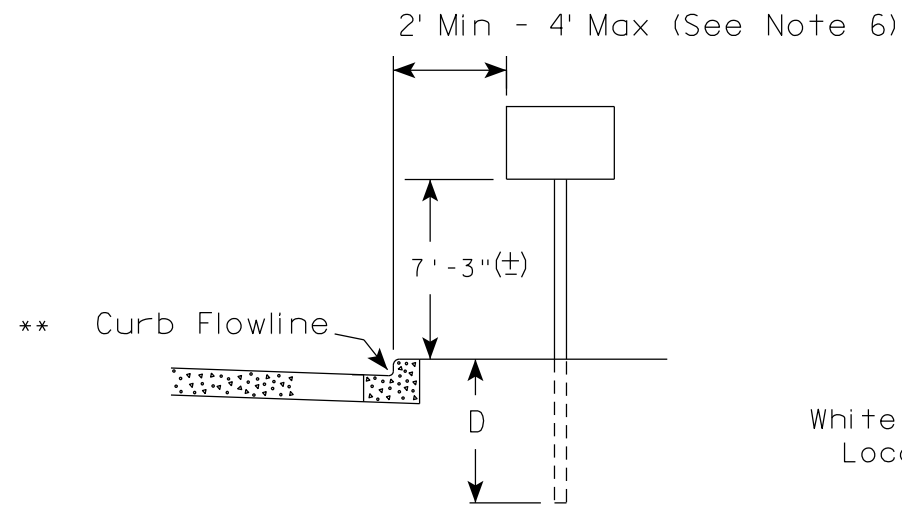
**TRAFFIC CONTROL,
MOBILE OPERATIONS ON
AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

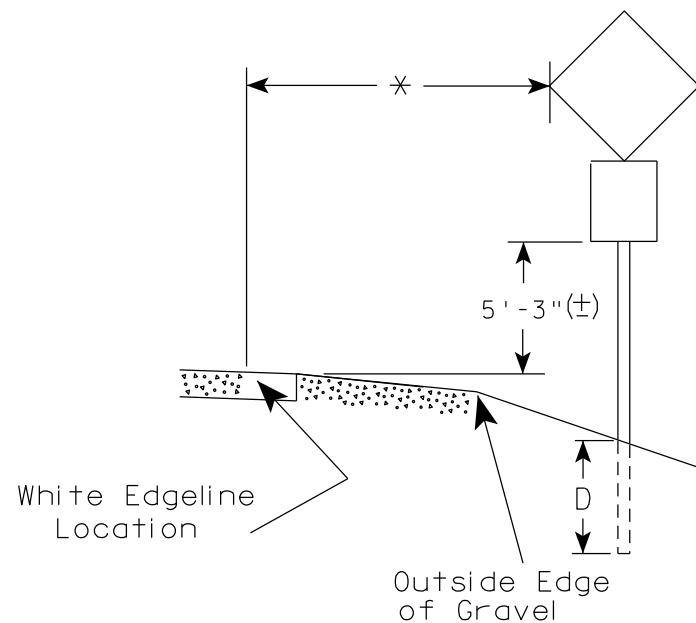
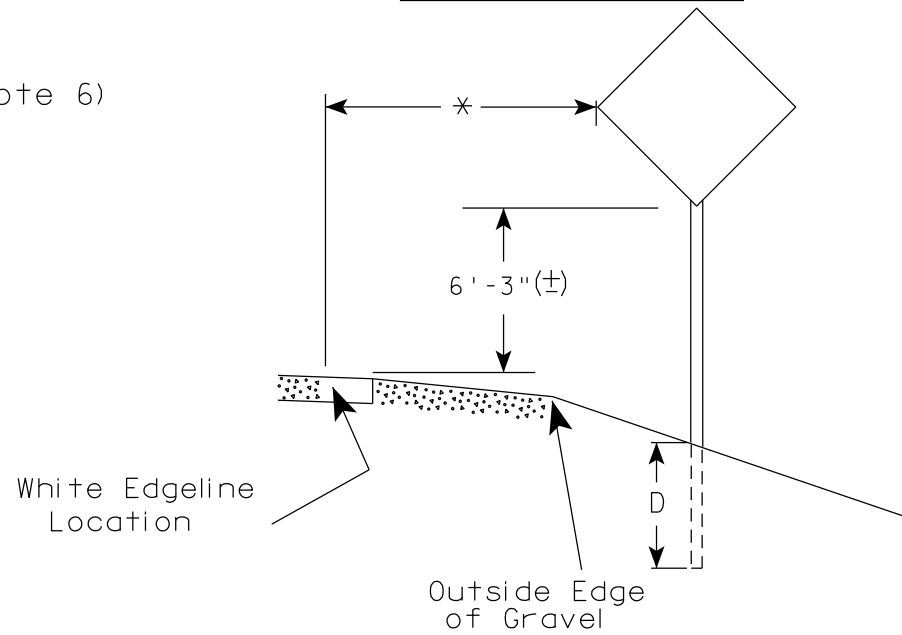
APPROVED
February 2021 DATE /S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

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.

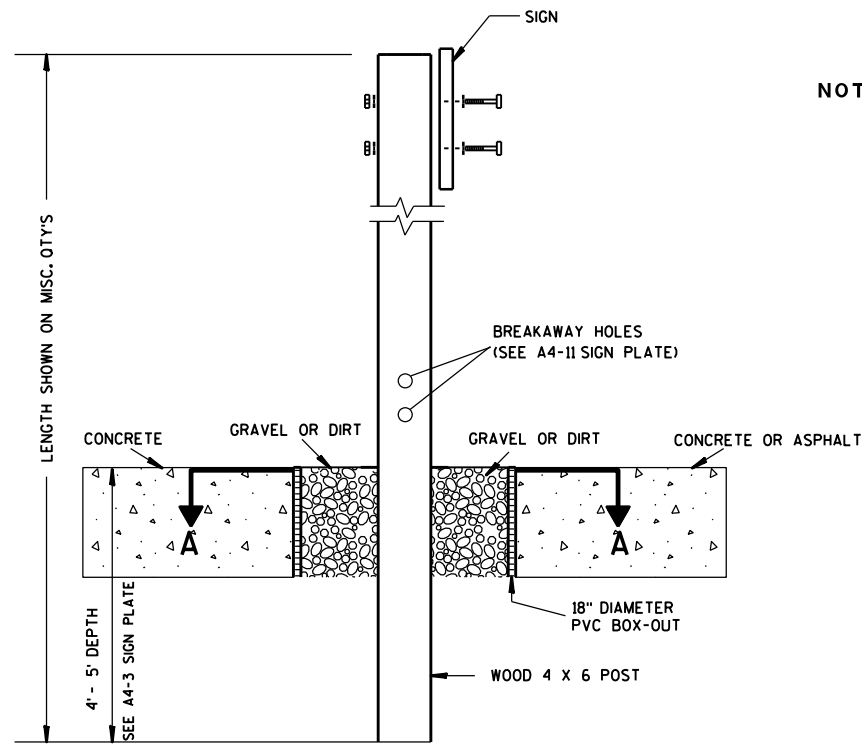
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

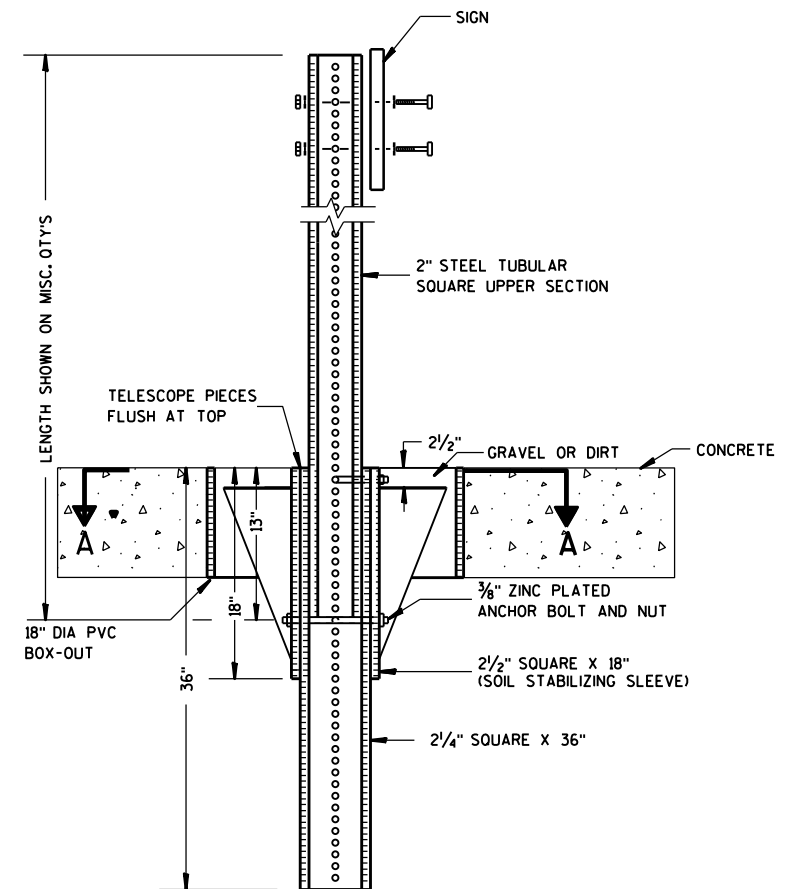
DATE 5/13/2020 PLATE NO. A4-3.22



ELEVATION VIEW

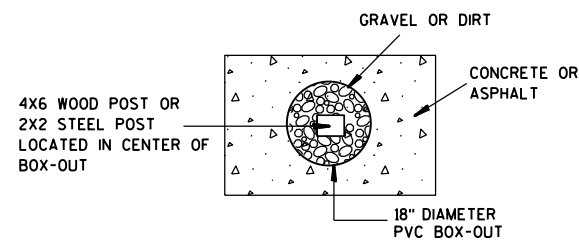
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

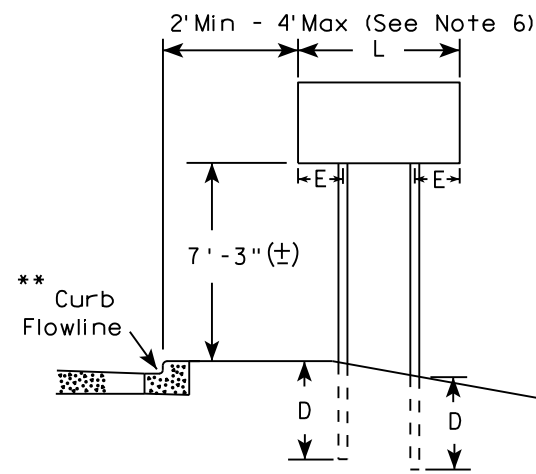
FOR NEW CONCRETE/ ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B	
<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>

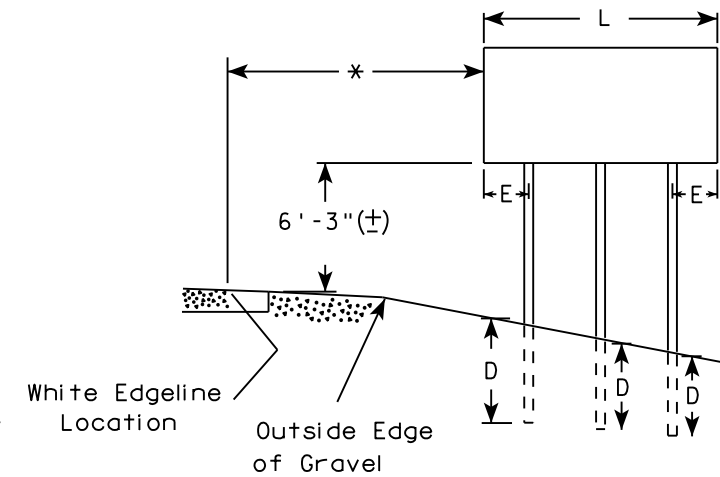
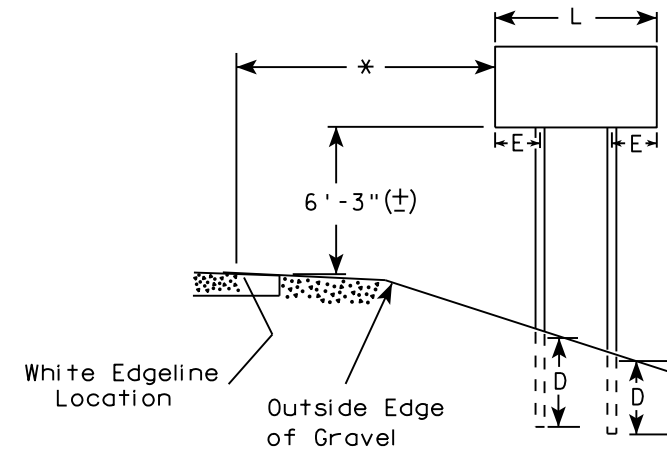
GENERAL NOTES

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" (±).

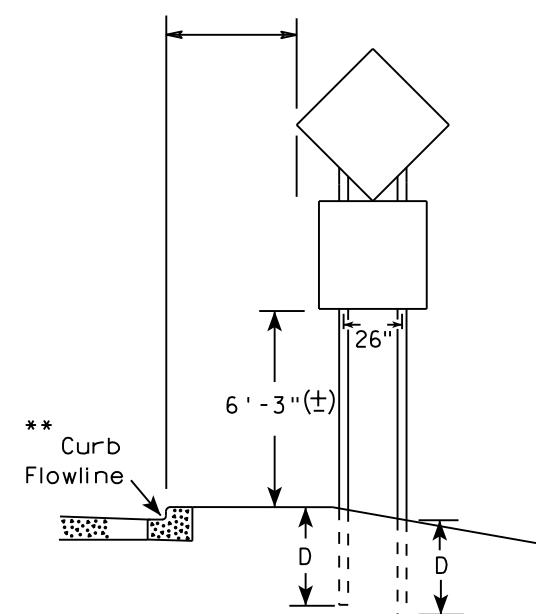
URBAN AREA



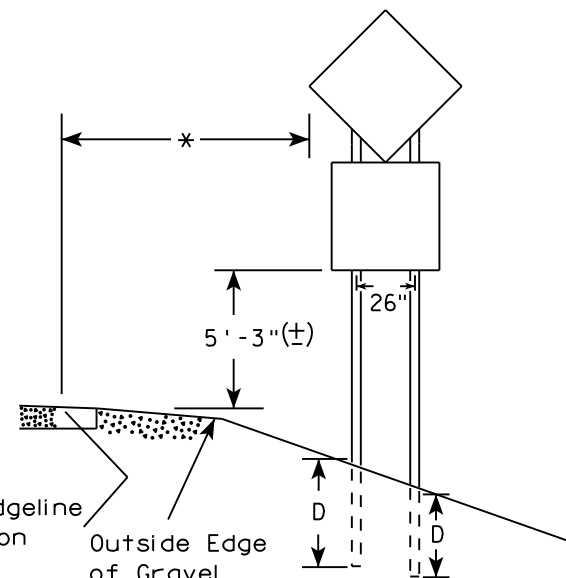
RURAL AREA (See Note 3)



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

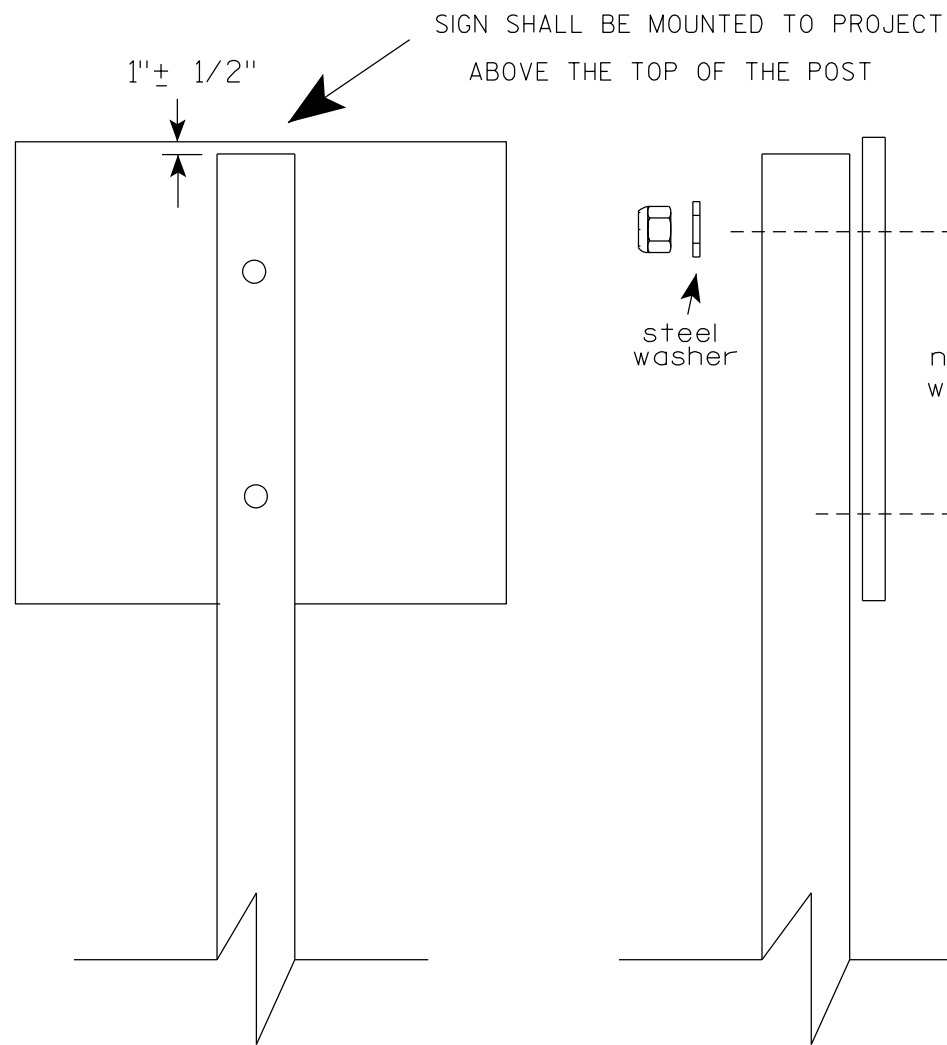
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

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



SIGN SHALL BE MOUNTED TO PROJECT ABOVE THE TOP OF THE POST

1"± 1/2"

steel washer

nylon washer

steel washer

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

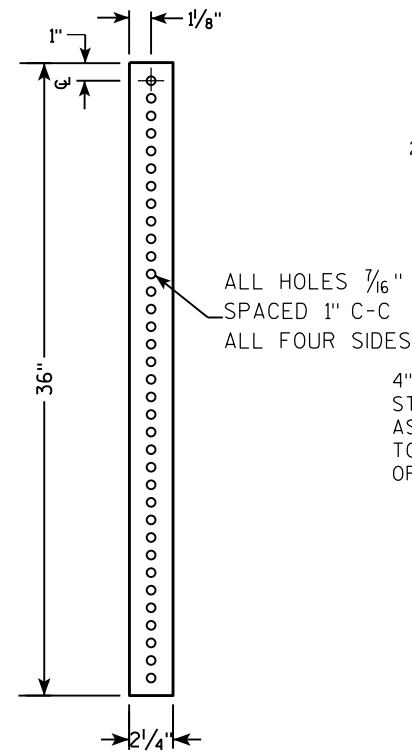
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

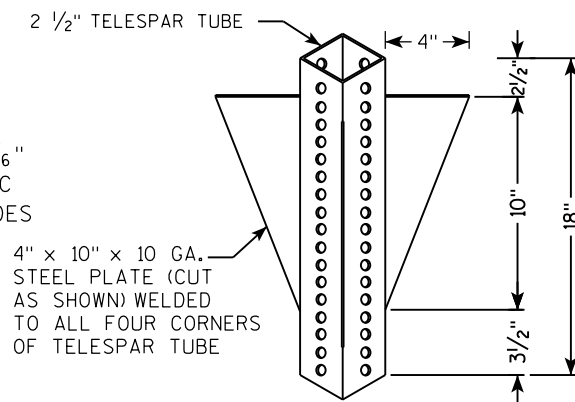
DATE 4/1/2020 PLATE NO. A4-8.9

**TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM**

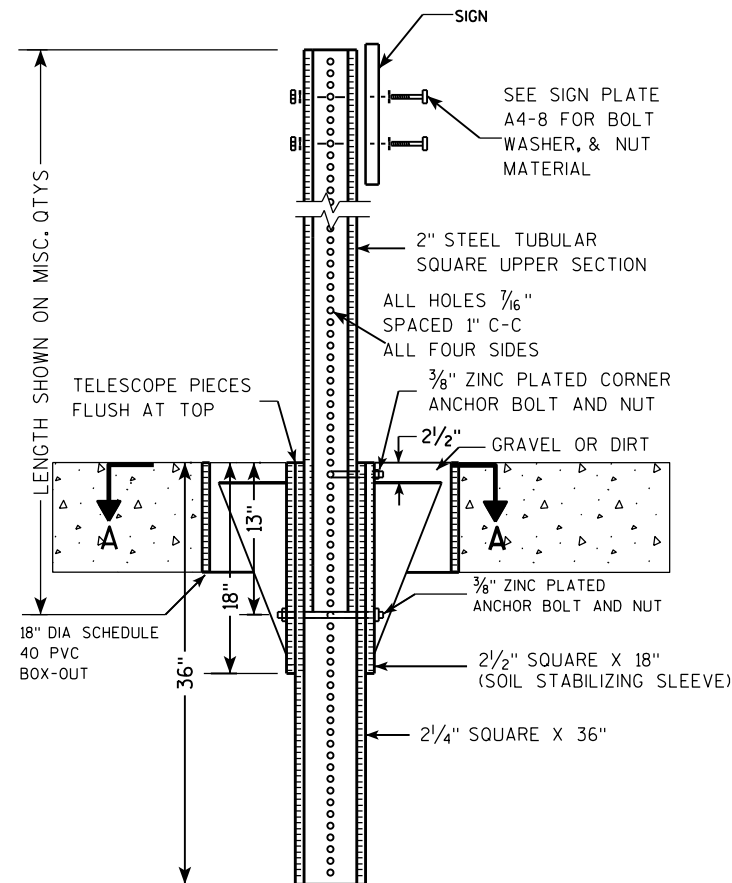
2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



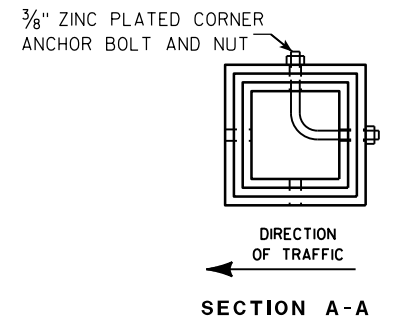
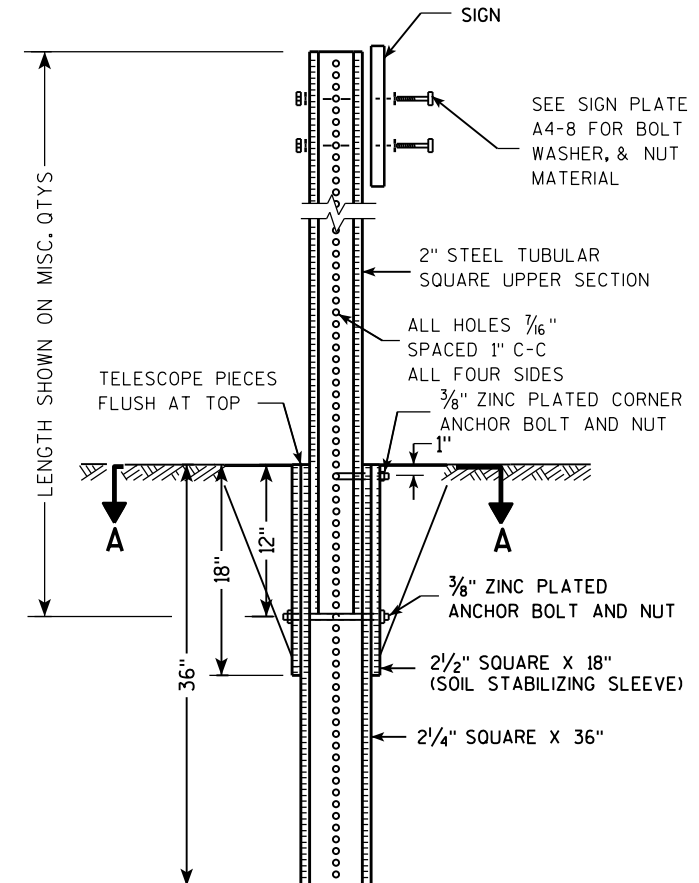
2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH



**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

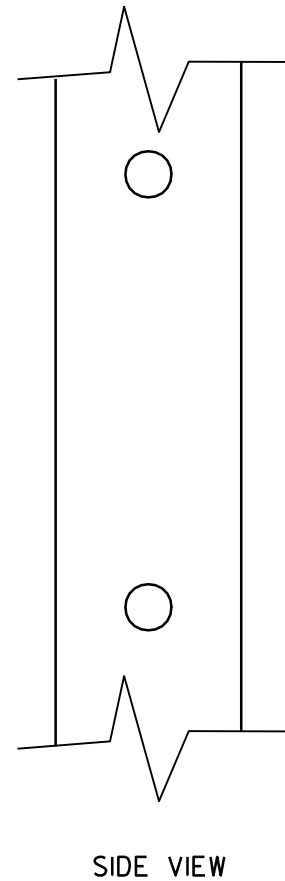
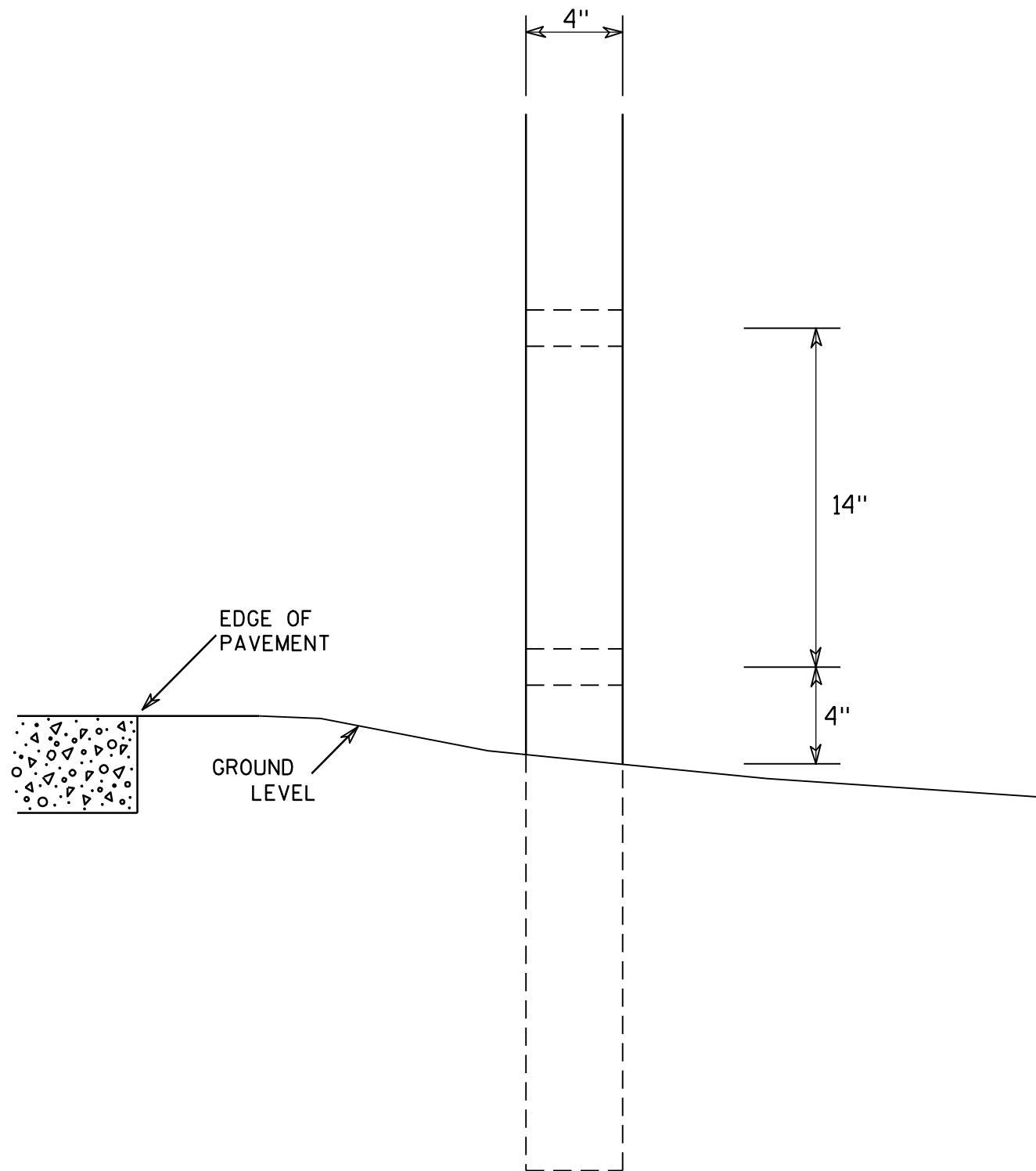
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

**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.

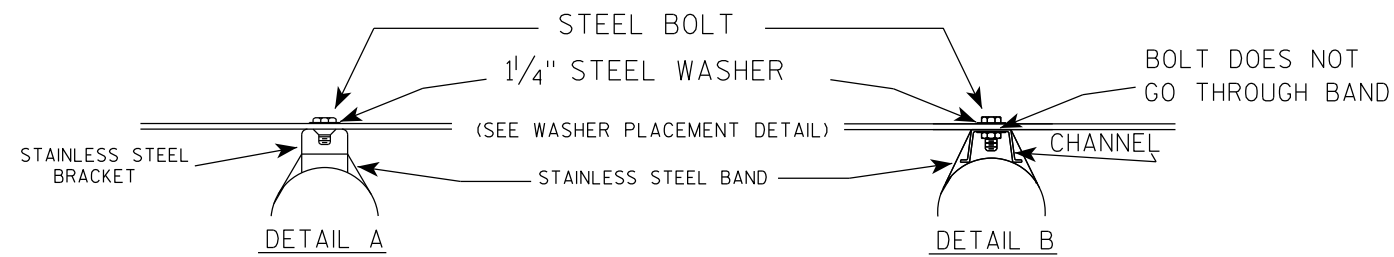
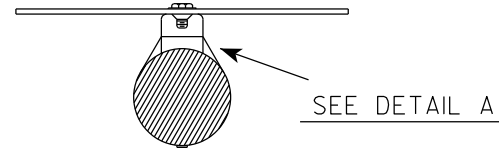
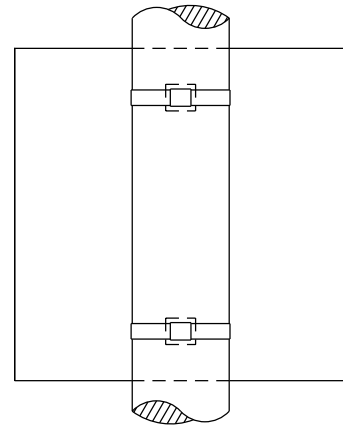
7

7

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

BANDING

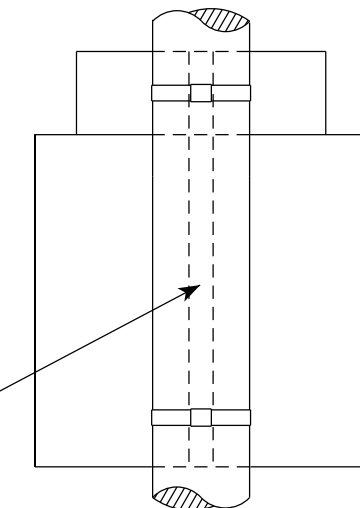
SINGLE SIGN



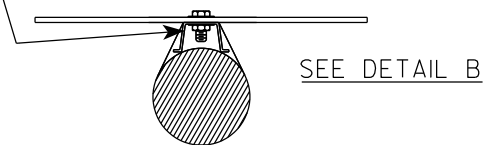
GENERAL NOTES

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 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

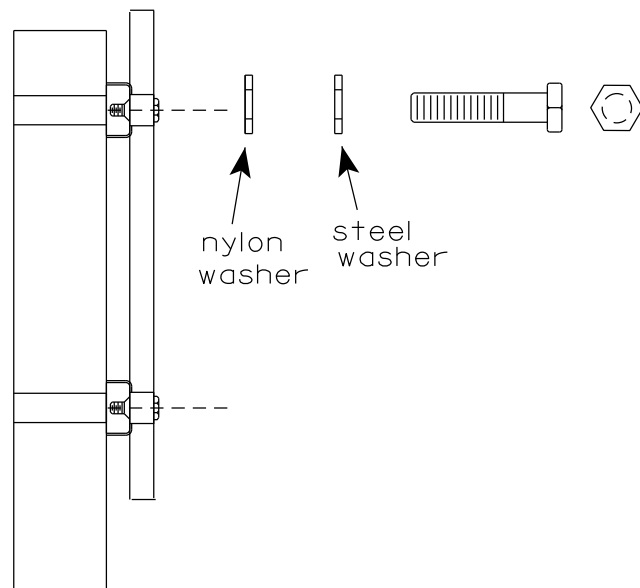
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



WASHER PLACEMENT



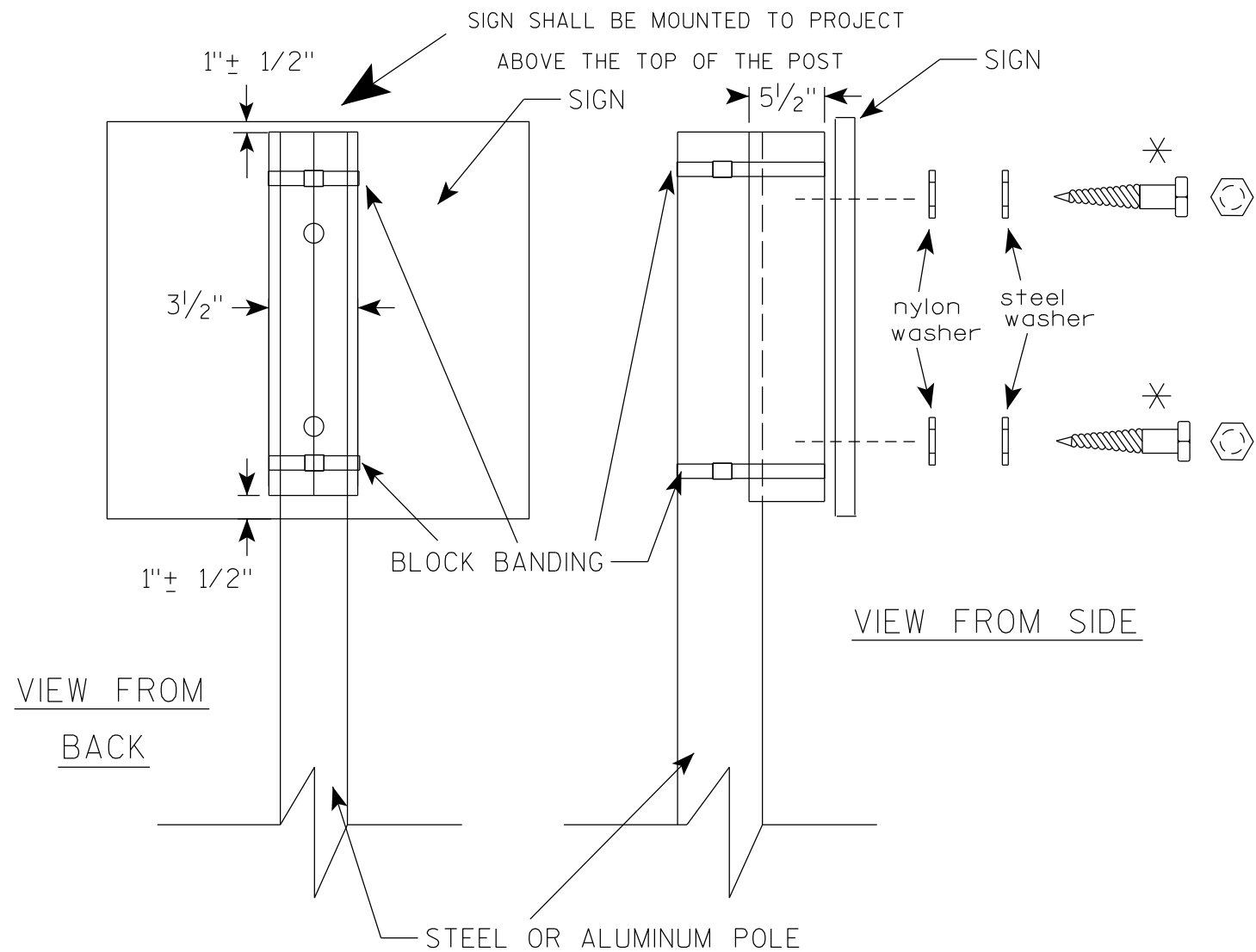
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

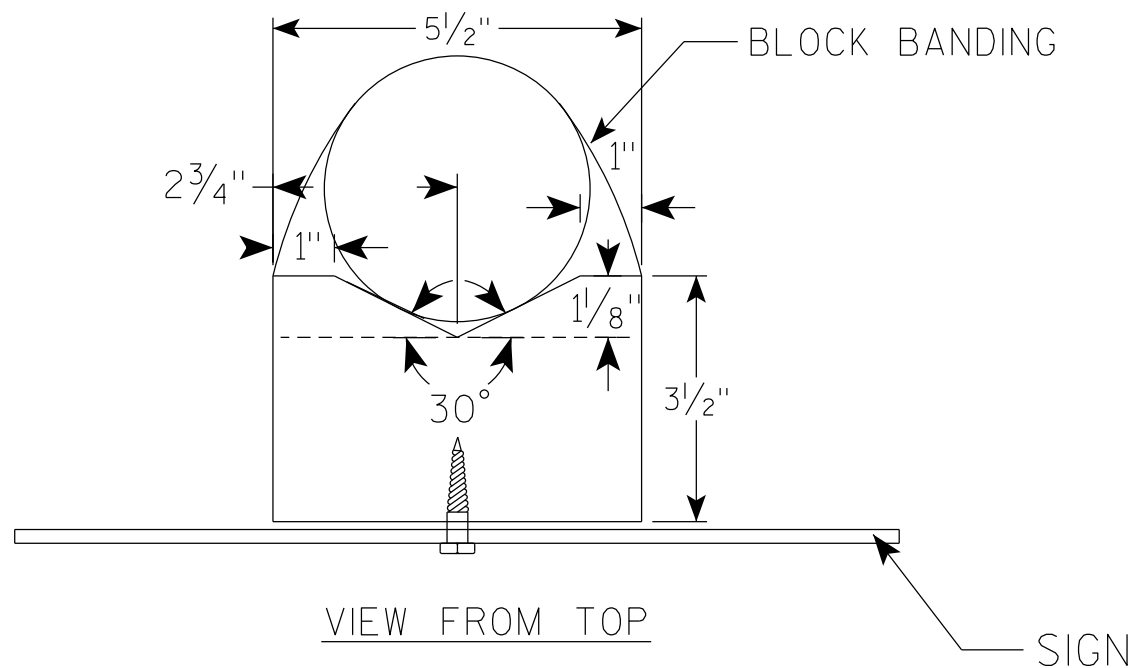
DATE 6/10/19 PLATE NO. A5-9.4



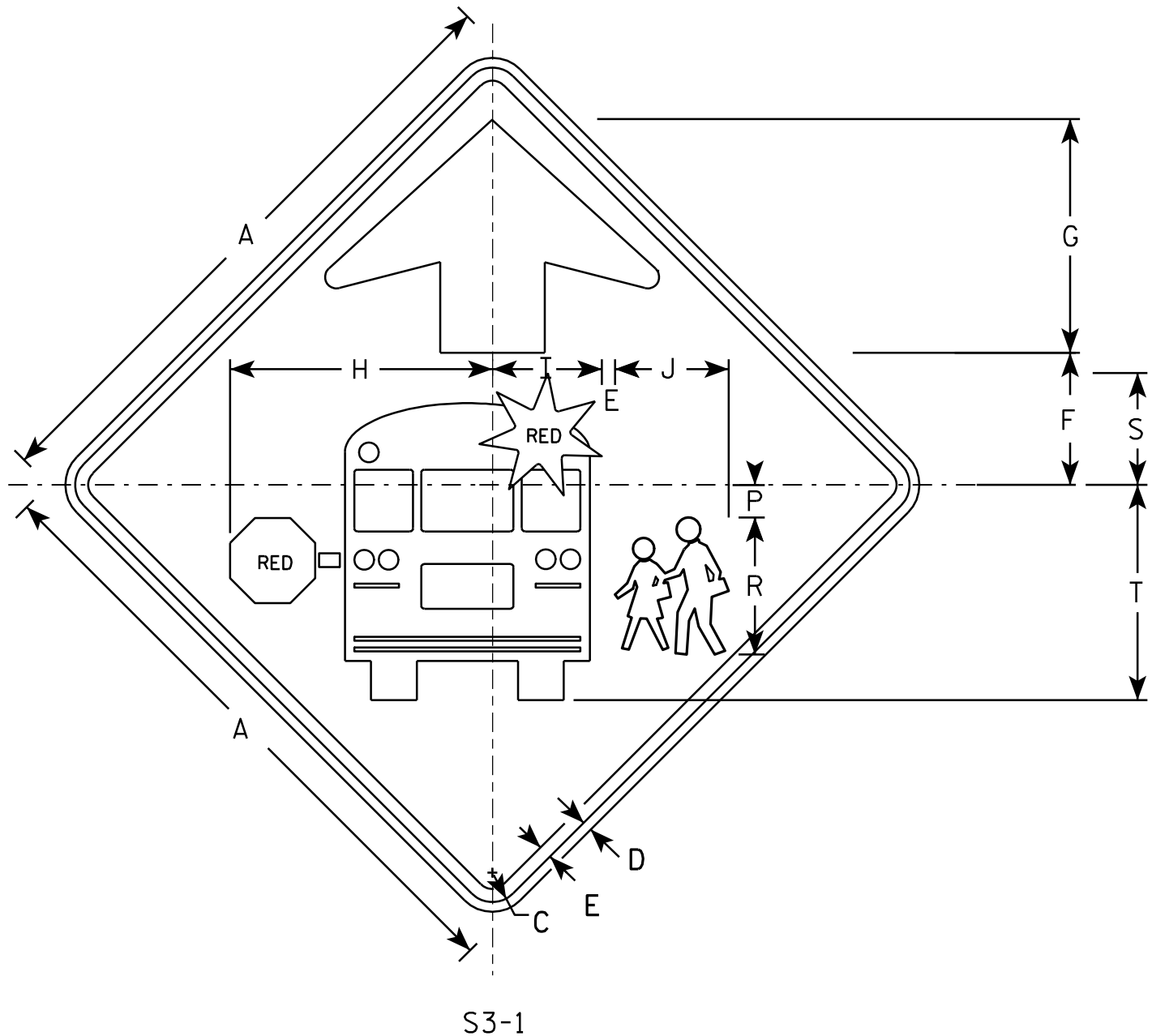
GENERAL NOTES

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, 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 NORMALLY 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 1/4" O.D. X 3/8" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1/4" O.D. X 3/8" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE 3/8" X 2 1/2"



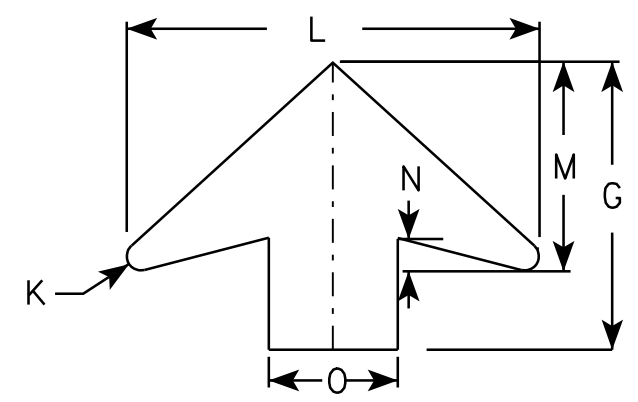
BLOCK BANDING DETAIL (V-BLOCK OPTION)	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R Rauch</i> for State Traffic Engineer
DATE 6/10/19	PLATE NO. A5-10.2



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

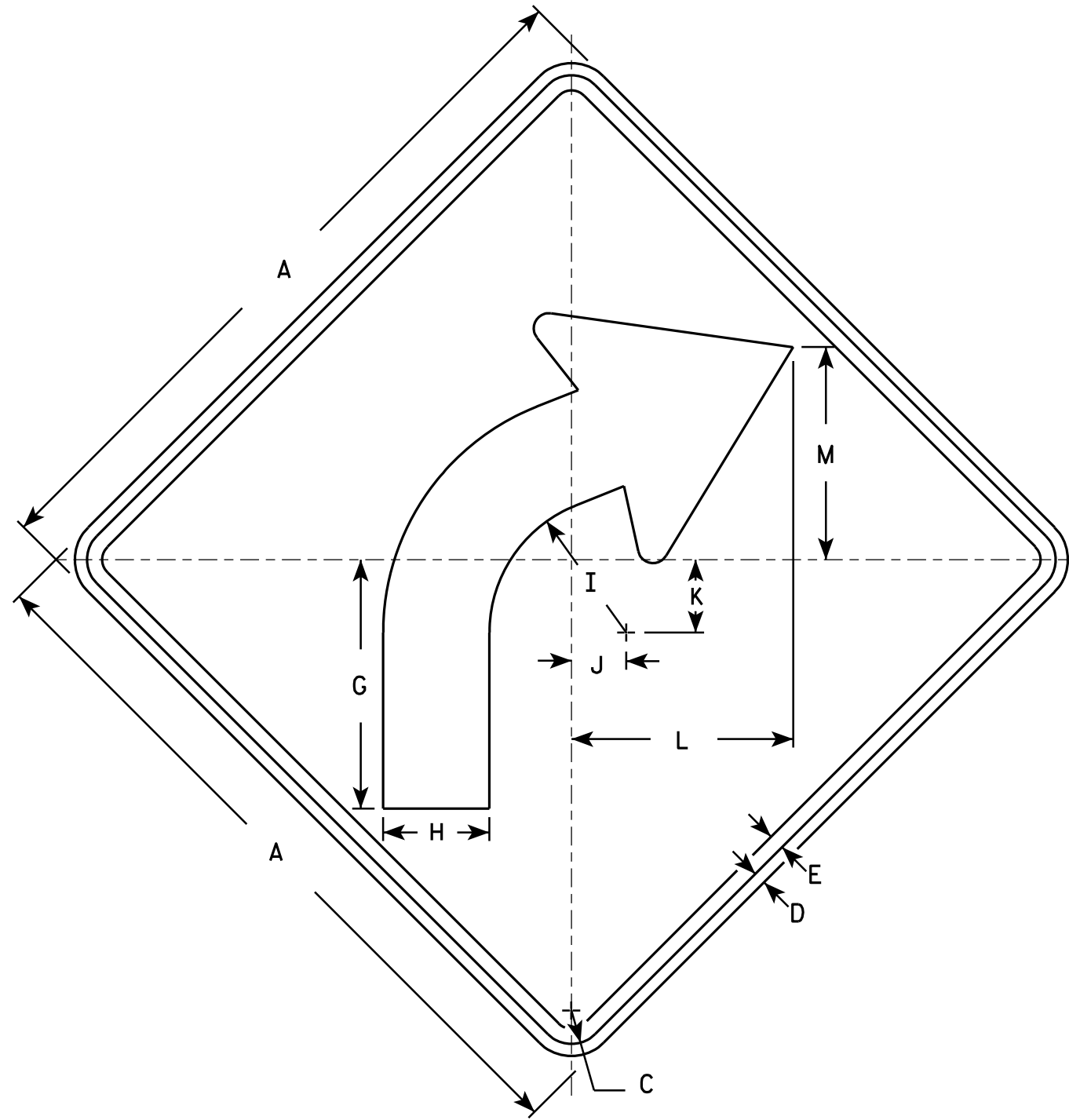
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

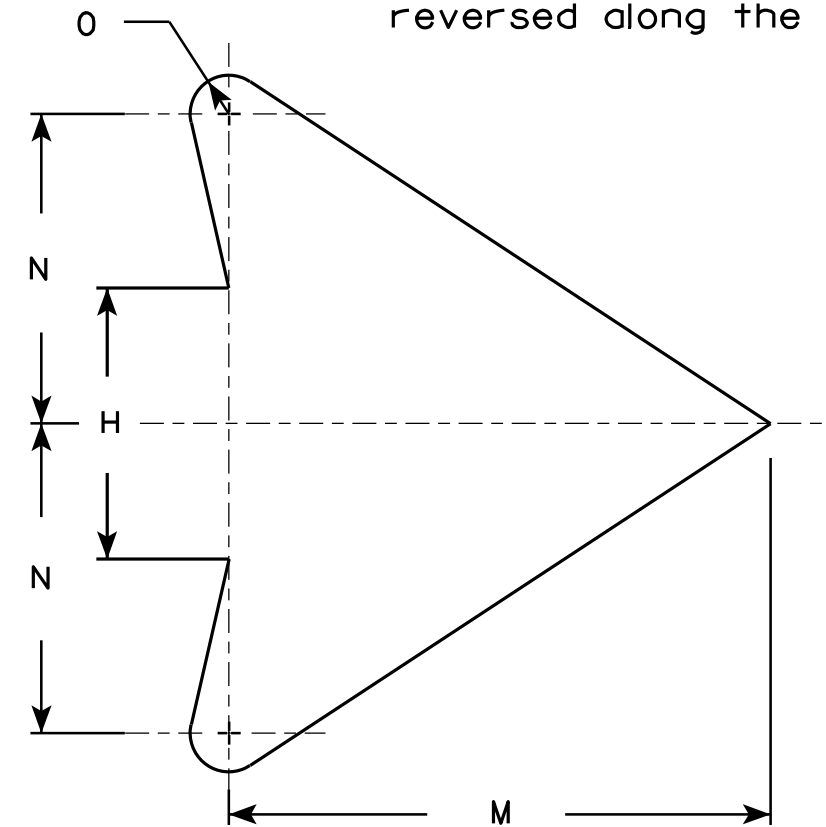
DATE 6/8/10 PLATE NO. S3-1.6

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.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

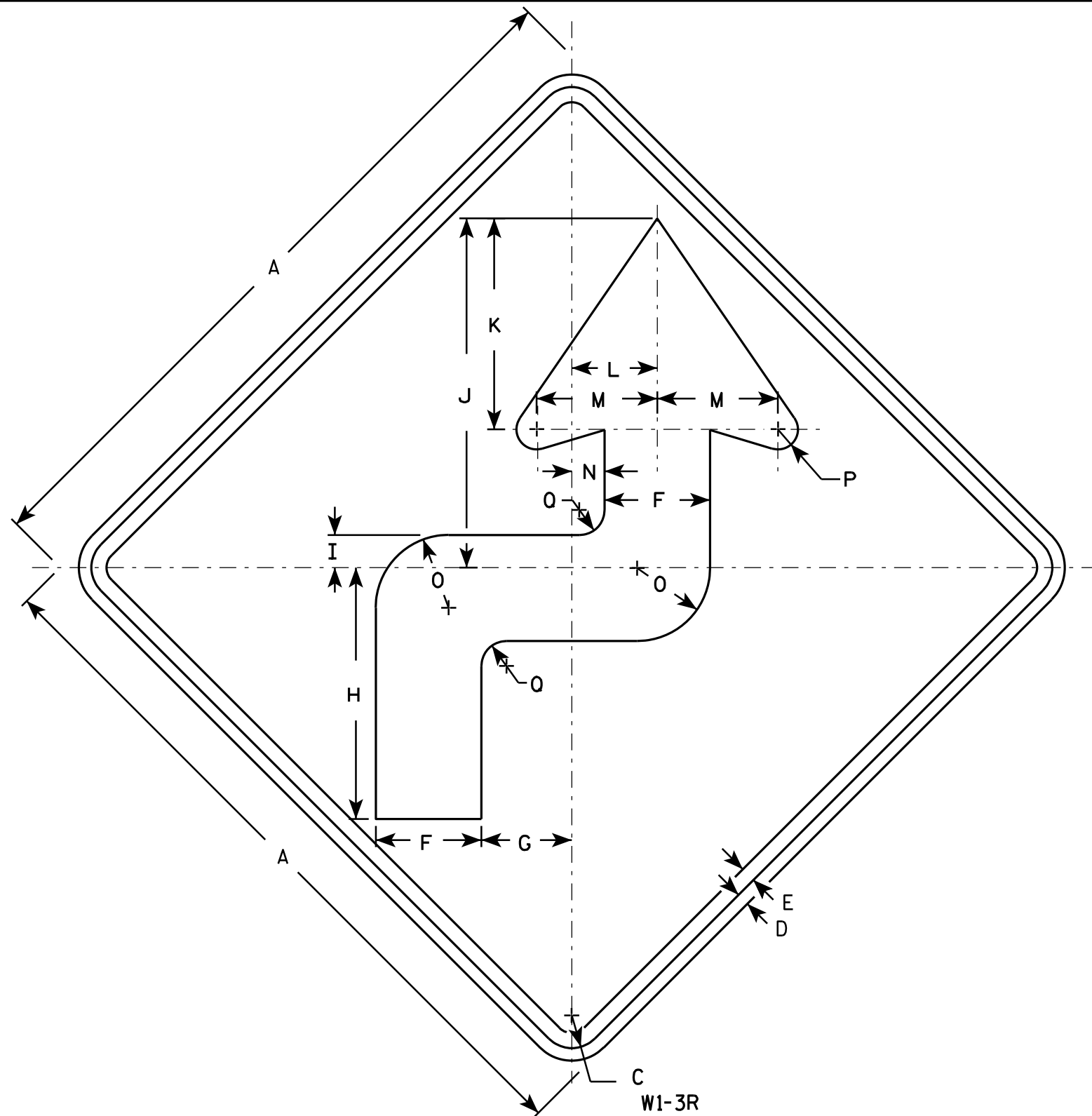
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10



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.
4. W1-3L is the same as W1-3R except the arrow is reversed along the vertical centerline.

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	24		1 1/8	3/8	1/2	3 1/2	3	8 3/8	1 1/8	11 5/8	7	2 3/4	4	1 1/8	2 1/2	5/8	7/8										4.0
2S	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2M	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
3	36		1 5/8	5/8	3/4	5 1/4	4 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
4	36		1 5/8	5/8	3/4	5 1/4	6	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

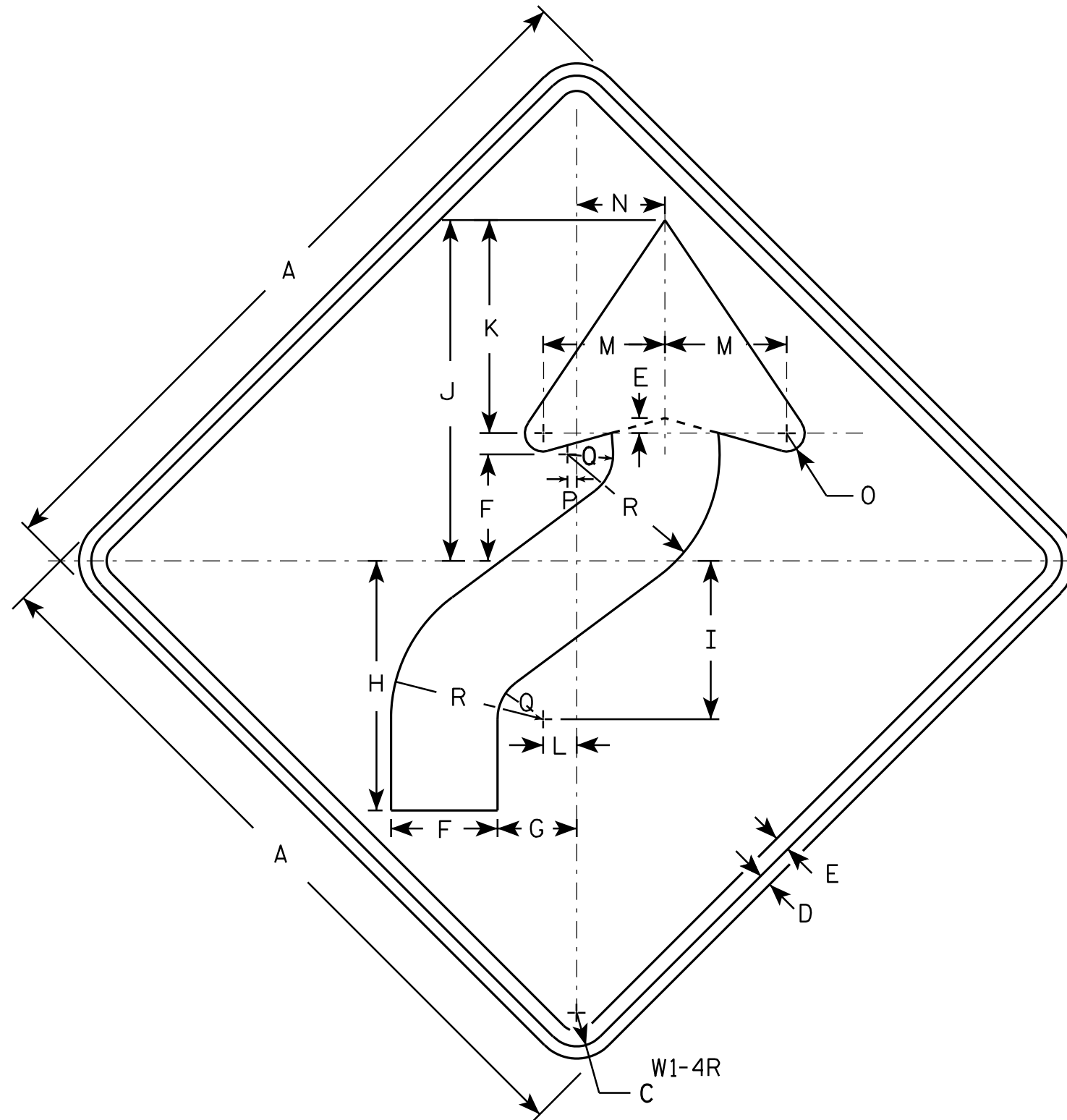
STANDARD SIGN
W1-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-3.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



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.
4. W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

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	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

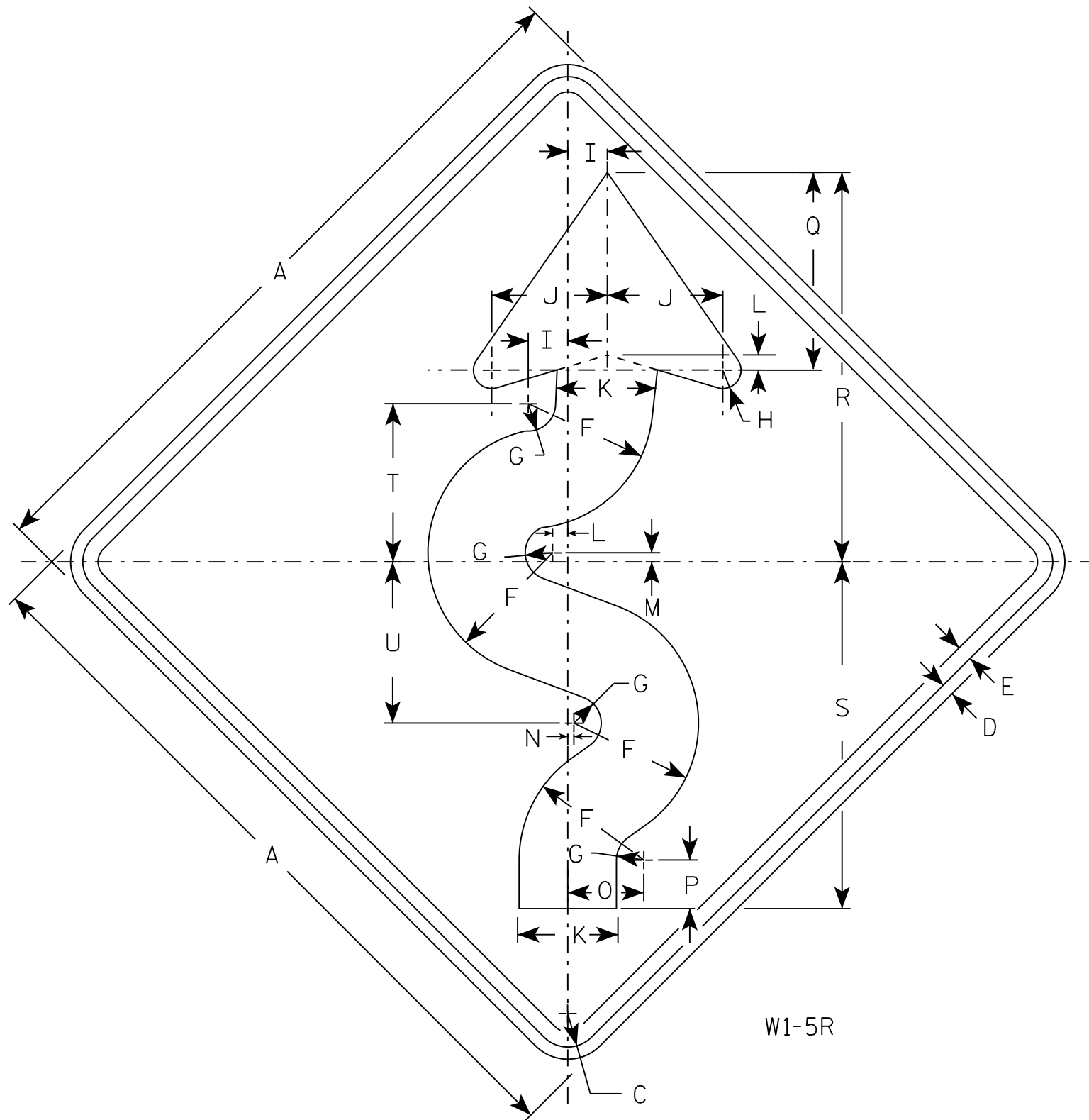
STANDARD SIGN
W1 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Raub*
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.
4. If used with W13-1 of 30 MPH or less, use 36" sign for Size 2S.

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	24		1 1/8	3/8	1/2	4 1/8	7/8	5/8	1 1/4	3 3/4	3 1/4	1/2	1/4	1/8	2 1/2	1 5/8	6 1/2	12 3/4	11 3/8	5 1/4	5 1/4						4.0
2S	30		1 3/8	1/2	5/8	5 1/8	1 1/8	3/4	1 5/8	4 3/4	4 1/8	5/8	3/8	1/4	3 1/8	2	8 1/8	16	14 1/4	6 1/2	6 5/8						6.25
2M	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
3	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
4	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
5	48		2 1/4	3/4	1	8 1/4	1 3/4	1 1/4	2 1/2	7 1/2	6 1/2	1	1/2	3/8	5	3 1/4	13	25 1/2	22 3/4	10 3/8	10 1/2						16.0

STANDARD SIGN
W1-5

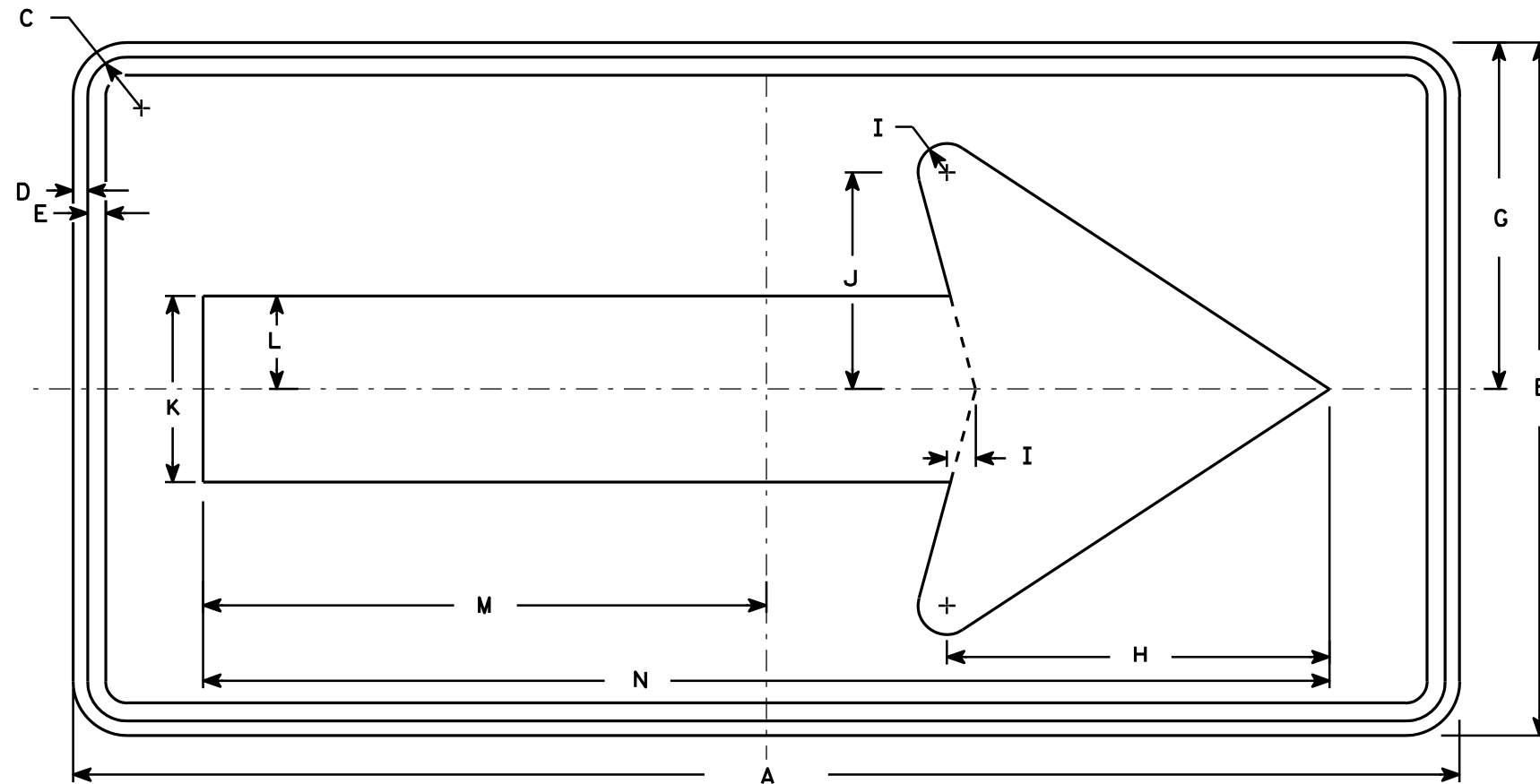
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/1/16 PLATE NO. W1-5.9

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.



W1-6

7

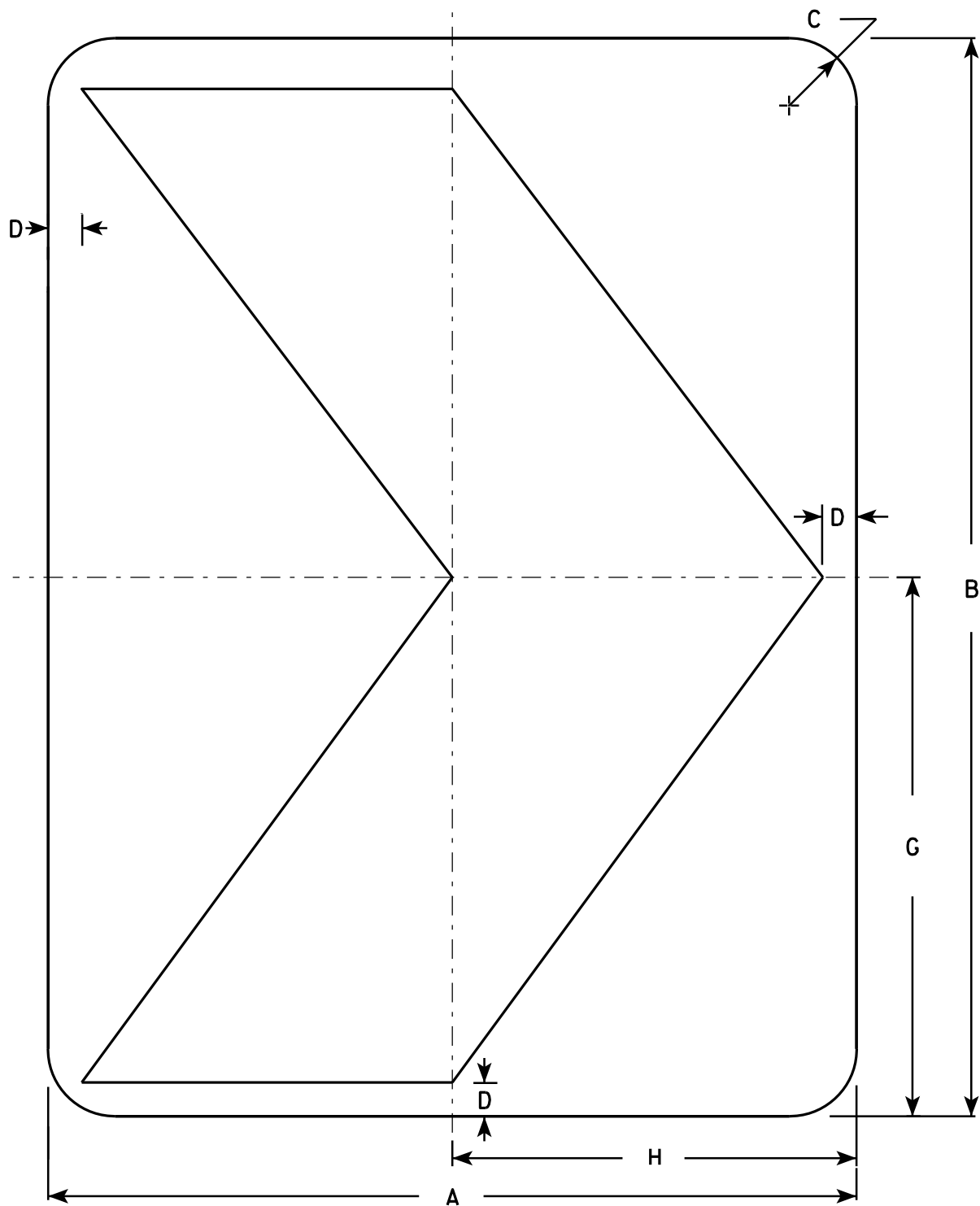
7

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	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

**STANDARD SIGN
W1-6**

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____



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

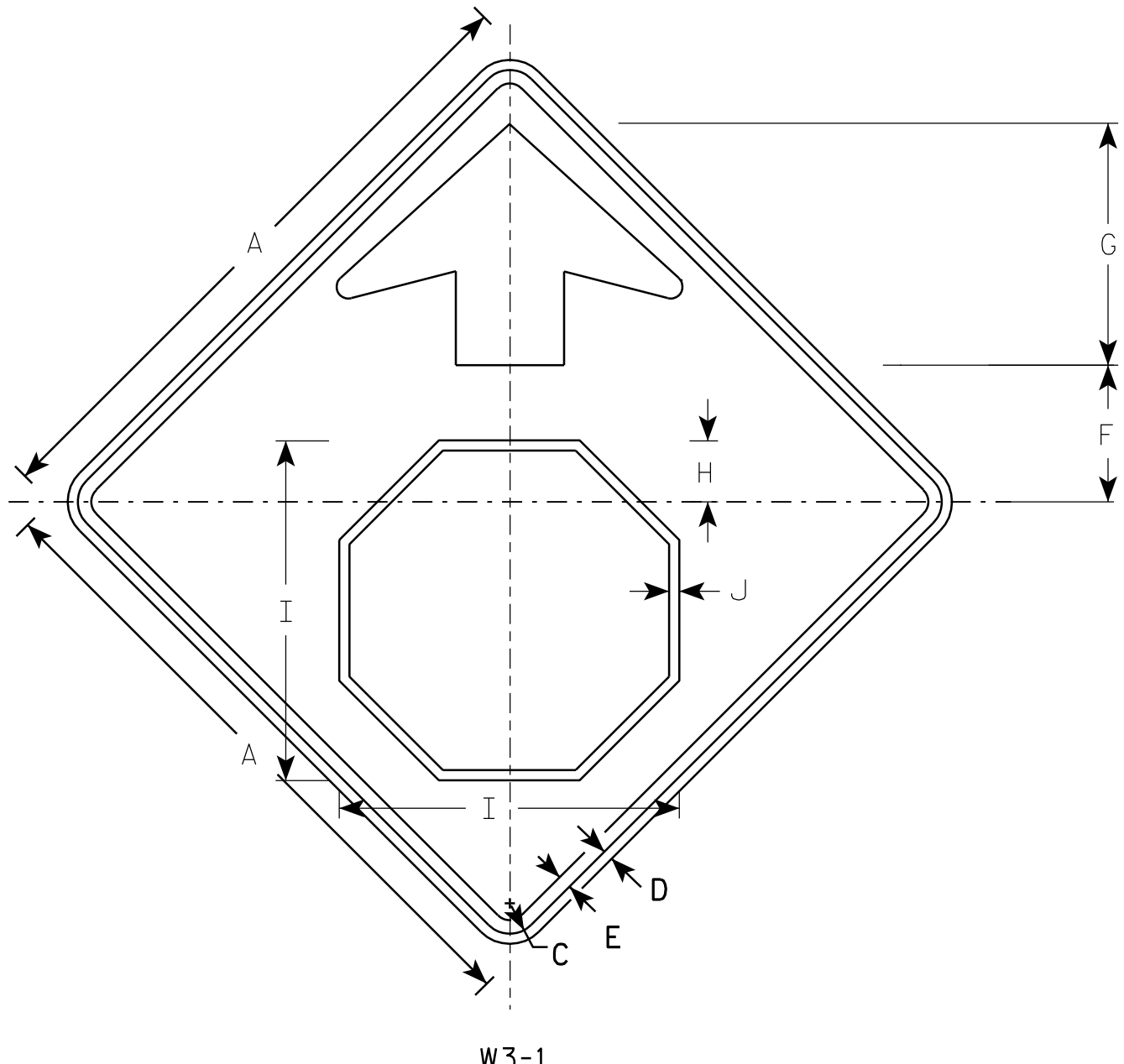
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	1/2			9	6																			1.5
2S	18	24	1 1/2	3/4			12	9																			3.0
2M	18	24	1 1/2	3/4			12	9																			3.0
3	24	30	1 1/2	1			15	12																			5.0
4	30	36	1 7/8	1 1/4			18	15															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

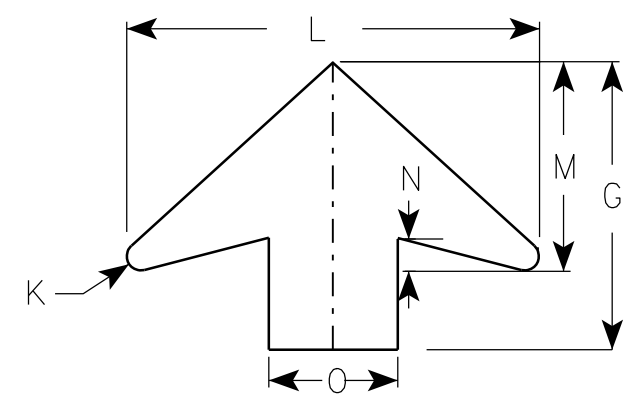
DATE 6/7/10 PLATE NO. W1-8.6



W3-1

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
 Arrow & Border - BLACK
 Stop Symbol - WHITE BORDER ON RED BACKGROUND



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	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

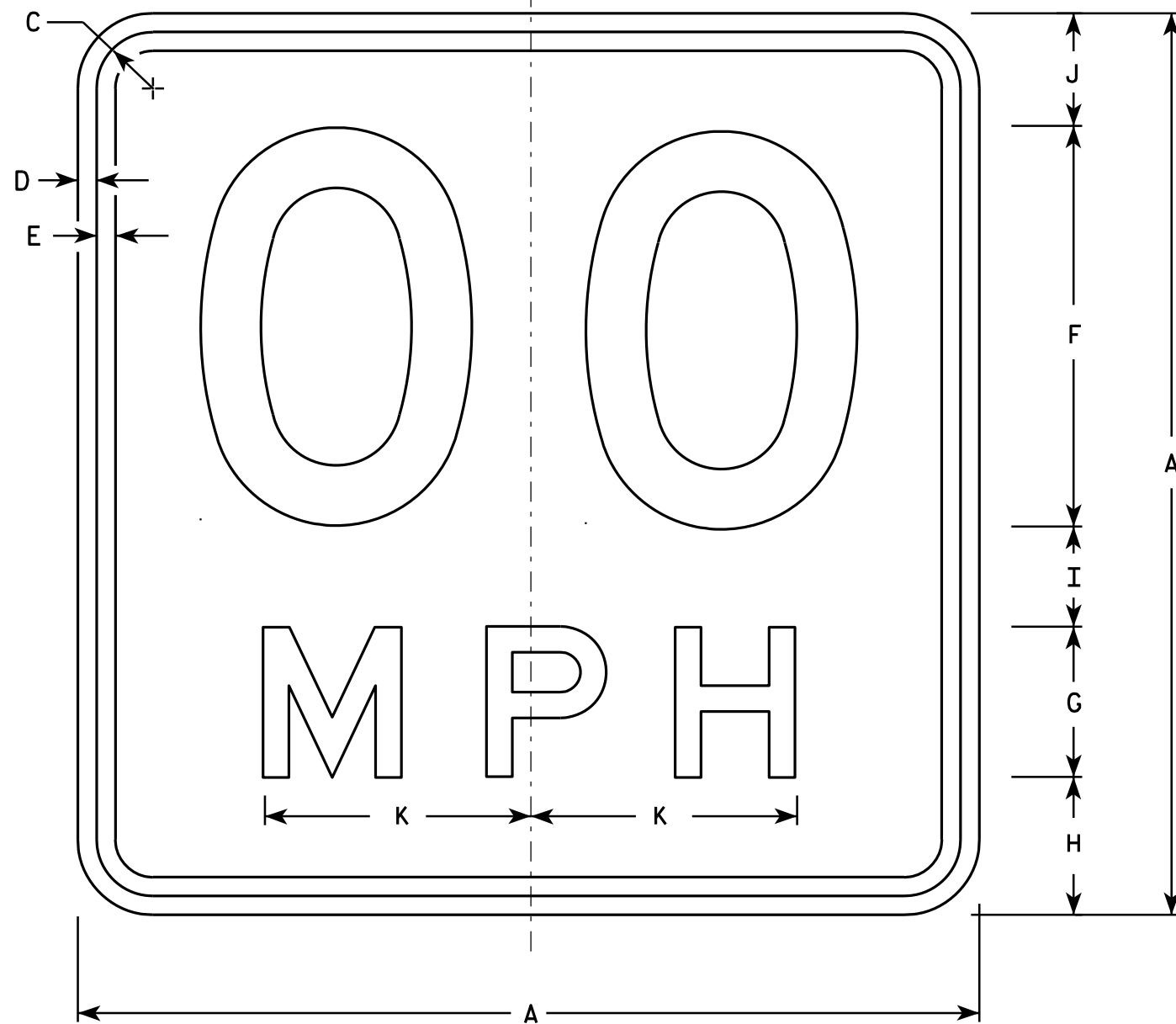
STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO: _____ SHEET NO: _____ E



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



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

<http://www.dot.wisconsin.gov>