

EAU

MAY 2019

PROJECT ID:

7837-03-71

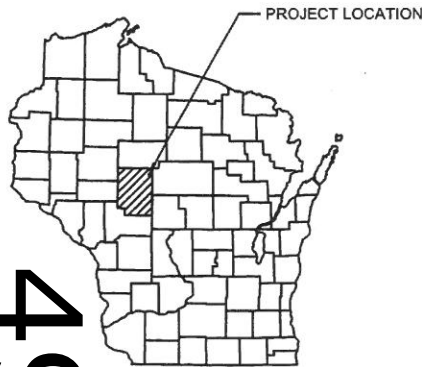
COUNTY:

CLARK

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 Plan
Section No.	5	Plan and Profile (Includes Erosion Control Plans)
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 = 86



DESIGN DESIGNATION	STA 100+00 - 253+16	STA 275+71 - 285+00	STA 285+00 - 313+00
A.A.D.T. 2019	= 821	2184	1017
A.A.D.T. 2039	= 846	2247	1046
D.H.V.	= 102	270	126
D.D.	= 50/50	50/50	50/50
T.	= 21.5%	30.2%	25%
DESIGN SPEED	= 55 MPH / 45 MPH	30 MPH	30 MPH
ESALS	= 300,000	1,200,000	440,000

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	OVERHEAD
EXISTING CULVERT	ELECTRIC
PROPOSED CULVERT (Box or Pipe)	FIBER OPTIC
COMBUSTIBLE FLUIDS	GAS
MARSH AREA	SANITARY SEWER
WOODED OR SHRUB AREA	STORM SEWER
	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

ATWOOD - MAYVILLE

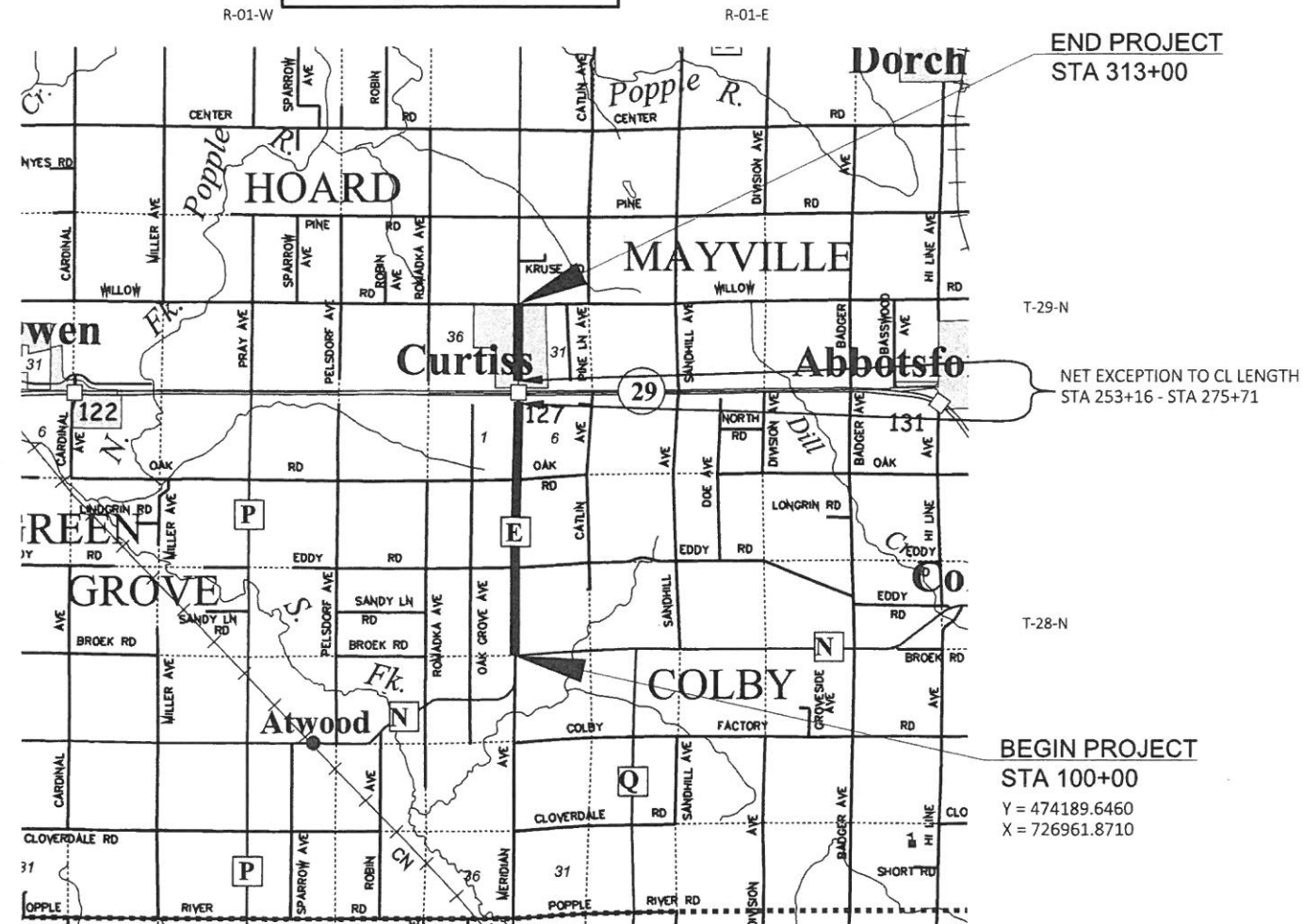
CTH N TO WILLOW ROAD

CTH E

CLARK COUNTY

STATE PROJECT NUMBER

7837-03-71



LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 3.607 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, CLARK COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT

7837-03-71

FEDERAL PROJECT

PROJECT

WISC 2019330

CONTRACT

1

APPROVED FOR CLARK COUNTY

DATE: 2-1-19 *Brian Duell*
(Signature)

ORIGINAL PLANS PREPARED BY

CORRE
ENGINEERING

1/31/19 *[Signature]*
(Date) (Signature)



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor _____ CORRE, INC.
Designer _____ CORRE, INC.
Regional Examiner _____ TOU YANG
Regional Supervisor _____ ROSS JOHNSON

APPROVED FOR THE DEPARTMENT

DATE: 2/1/19 *[Signature]*
(Signature)

CONSULTANT CONTACT

CORRE, INC.
KEVIN MEYER
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EAU CLAIRE, WI 54701
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WISDOT CONTACT

LPPM, NW REGION
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718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
PHONE: (715) -836-2069
EMAIL: ross.johnson@dot.wi.gov

COUNTY CONTACT

CLARK COUNTY HIGHWAY COMMISSIONER
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801 CLAY STREET
NEILLSVILLE, WI 54456
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EMAIL: brian.duell@co.clark.wi.us

VILLAGE CONTACT

VILLAGE OF CURTISS - PUBLIC WORKS
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55 CIRCLE DRIVE
CURTISS, WI 54422
PHONE: (715) 613-2013
EMAIL: curtissdpw@gmail.com

DNR CONTACT

WDNR EA LIAISON
LEAH NICOL
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EAU CLAIRE, WI 54701
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EMAIL: leah.nicol@wisconsin.gov



Dial **811** or (800)242-8511
www.DiggersHotline.com

UTILITY CONTACTS

CLARK ELECTRIC COOP
KENT WEIGEL
1106 W. DALL-BERG ROAD
GREENWOOD, WI 54437
PHONE: (715) 207-8883
EMAIL: kweigel@cecoop.com

WE ENERGIES - GAS
TAYLOR WIETING
1621 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 421-7277
EMAIL: taylor.wieting@we-energies.com

XCEL ENERGY - ELECTRICITY
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500 N 5 TH STREET
ABBOTSFORD, WI 54405
PHONE: (715) 737-7174
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FRONTIER COMMUNICATIONS
CALVIN KLADE
521 4TH STREET
WAUSAU, WI 54403
PHONE: (715) 847-1525
EMAIL: calvin.klade@ftr.com

CHARTER COMMUNICATIONS
JESSE GRUNY
N 5143 CTH E
MEDFORD, WI 54451
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VILLAGE OF CURTISS
TODD WEICH
55 CIRCLE DRIVE
CURTISS, WI 54422
PHONE: (715) 613-2013
EMAIL: curtissdpw@gmail.com

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0 - 2	2-6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	0 - 2	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-TURF			0.25			.27			.28			.30
			0.32			.34			.36			.36
PAVEMENT:												
ASPHALT						.70 - .95						
CONCRETE						.80 - .95						
BRICK						.70 - .80						
DRIVES, WALKS						.75 - .85						
ROOFS						.75 - .95						
GRAVEL ROADS, SHOULDERS						.40 - .60						

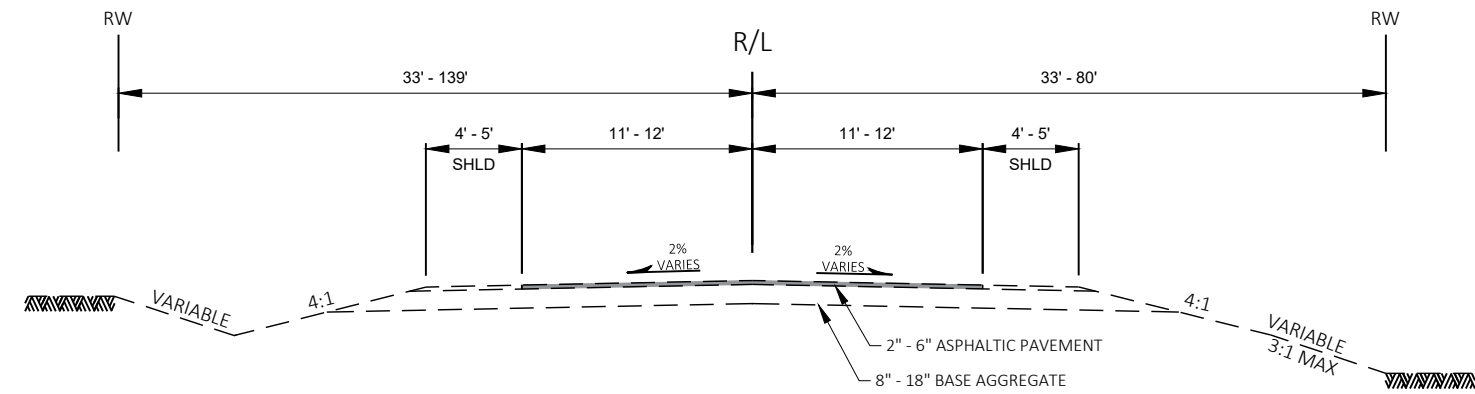
TOTAL PROJECT AREA = 26.66 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.01 ACRES

BORING LOG

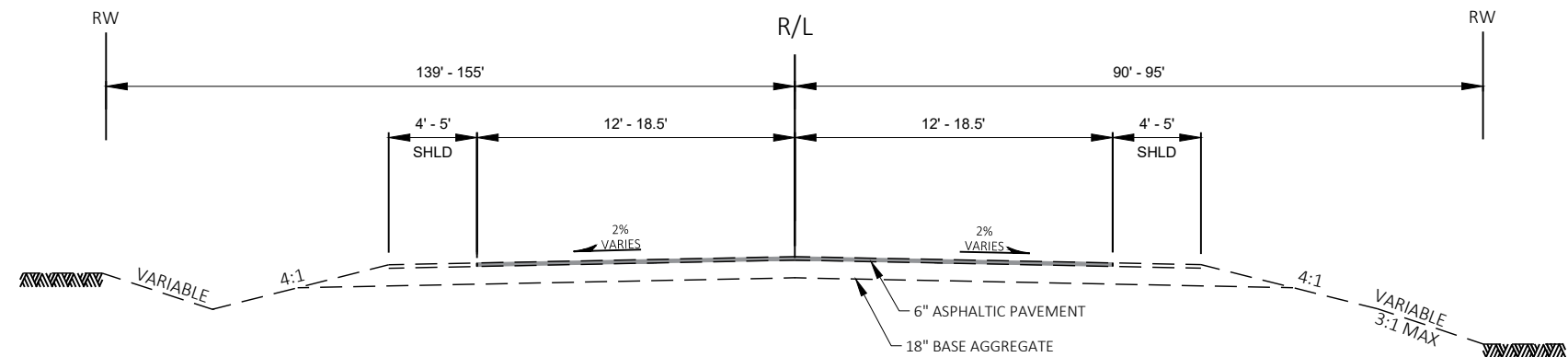
NO.	APROX STA	ASPHALTIC DEPTH (IN)	BASE DEPTH (IN)
1	103+90	1.25	8
2	125+50	2.25	10
3	141+50	1.25	9
4	167+00	1.25	13
5	177+80	1.25	12
6	207+00	1.5	10
7	222+00	2.5	9
8	240+00	6	18
9	279+30	6	18
10	289+80	6	18
11	299+80	4.25	2
12	309+50	7	8

GENERAL NOTES

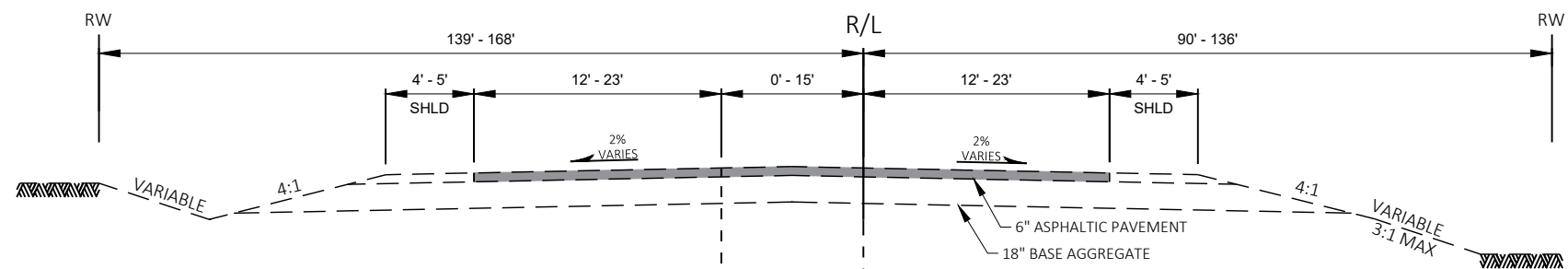
- WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.
- THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
- CURVE DATA IS BASED ON THE ARC DEFINITION.
- ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLAN.
- DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE TOPSOILED, FERTILIZED AND SEEDDED.
- THE PROPOSED SHOULDER WIDTHS SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH, PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTION.
- BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.
- RURAL SIDEROADS SHALL RECEIVE 4.5-INCHES OF HMA LIMITS DETERMINED BY THE ENGINEER IN THE FIELD.
- A VERTICAL SAWCUT OR VERTICAL MILLED JOINT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.
- ALL PRIVATE DRIVEWAYS AND COMMERCIAL ENTRANCES SHALL BE RESTORED IN KIND. LIMITS TO BE DETERMINED BY THE ENGINEER.
- EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE APPROVED BY THE ENGINEER IN THE FIELD.
- PAVING LIMITS ARE TO BE DETERMINED BY THE ENGINEER.
- HMA PAVEMENT (100+00 TO 251+35) SHALL CONSIST OF A 2.5-INCH 3LT 58-28S LOWER LAYER AND A 2-INCH 4LT 58-34S UPPER LAYER.
- HMA PAVEMENT (251+31 TO 253+16) SHALL CONSIST OF A 2-INCH 4LT 58-34S LAYER.
- HMA PAVEMENT (275+71 TO 285+00) SHALL CONSIST OF A 2-INCH 3MT 58-28S LOWER LAYER AND A 2-INCH 4MT 58-34S UPPER LAYER.
- HMA PAVEMENT (285+00 TO 313+00) SHALL CONSIST OF A 2-INCH 4LT 58-34S LAYER.
- "ASPHALTIC SURFACE" ITEM IS TO BE USED FOR LEVELING / WEDGING AND SPOT REPAIR.
- "ASPHALTIC SURFACE PATCHING" ITEM IS TO BE USED FOR RAMPING AT JOINTS AND MISCELLANEOUS REPAIRS FOR POTHOLES, MANHOLES, GAS VALVES AND POP OUTS PATCHING THAT OCCUR DURING CONSTRUCTION.
- "PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING" ITEM IS ASSOCIATED WITH THE WORK FOR "ASPHALTIC SURFACE PATCHING".



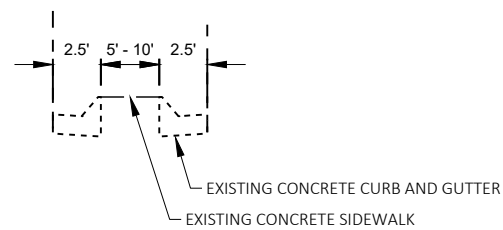
EXISTING TYPICAL SECTION
STA 100+00 TO STA 247+50



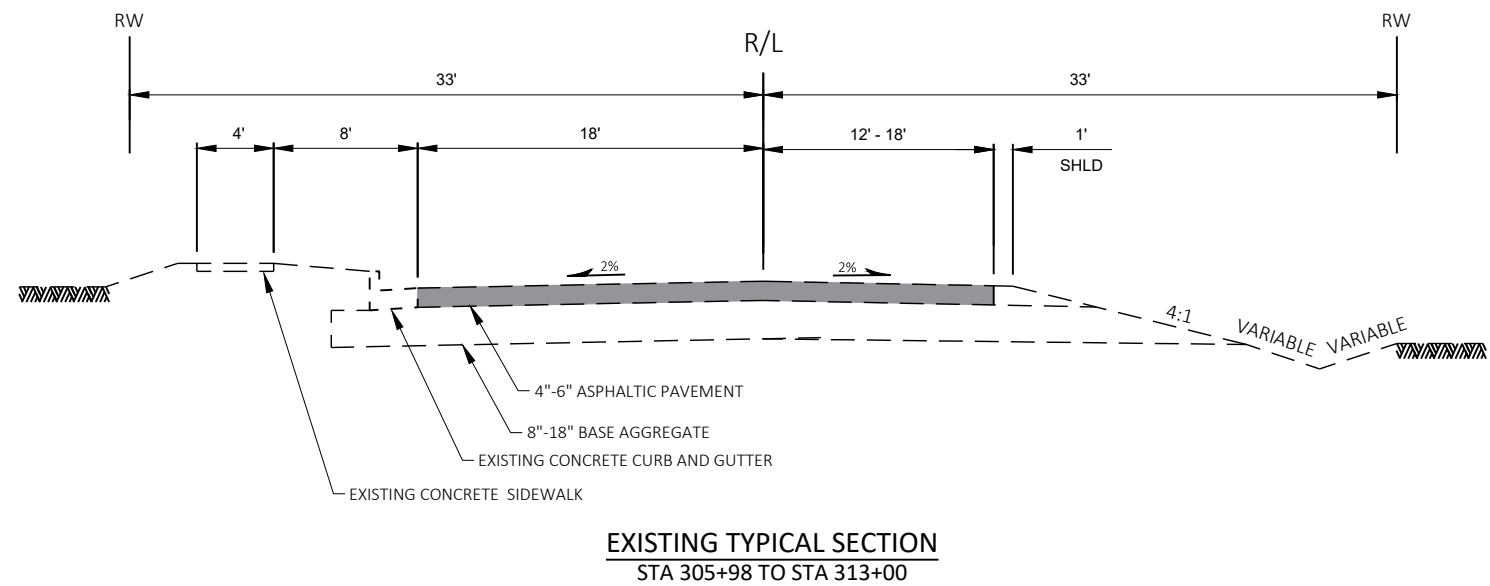
EXISTING TYPICAL SECTION
STA 247+50 TO STA 249+00

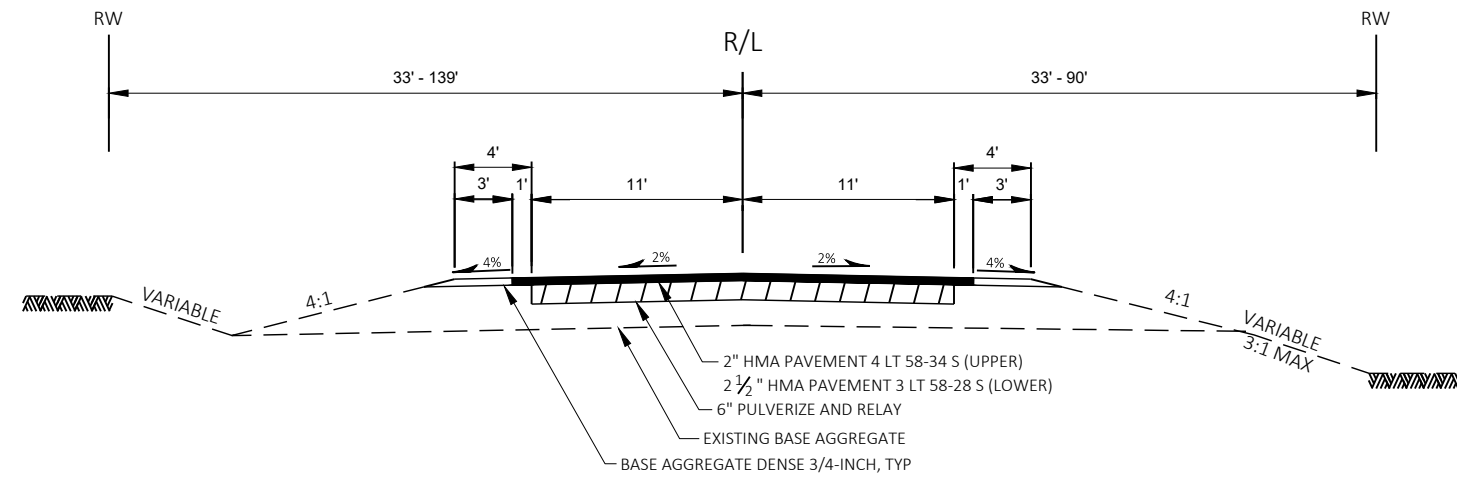


EXISTING TYPICAL SECTION
STA 247+50 TO STA 253+16

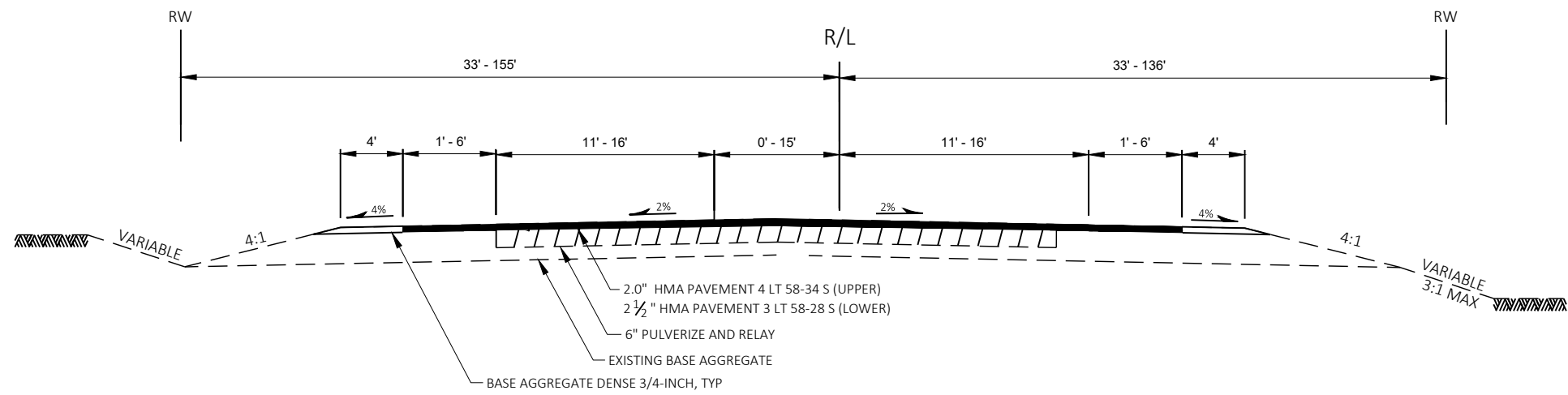


STA 251+35 TO STA 253+16

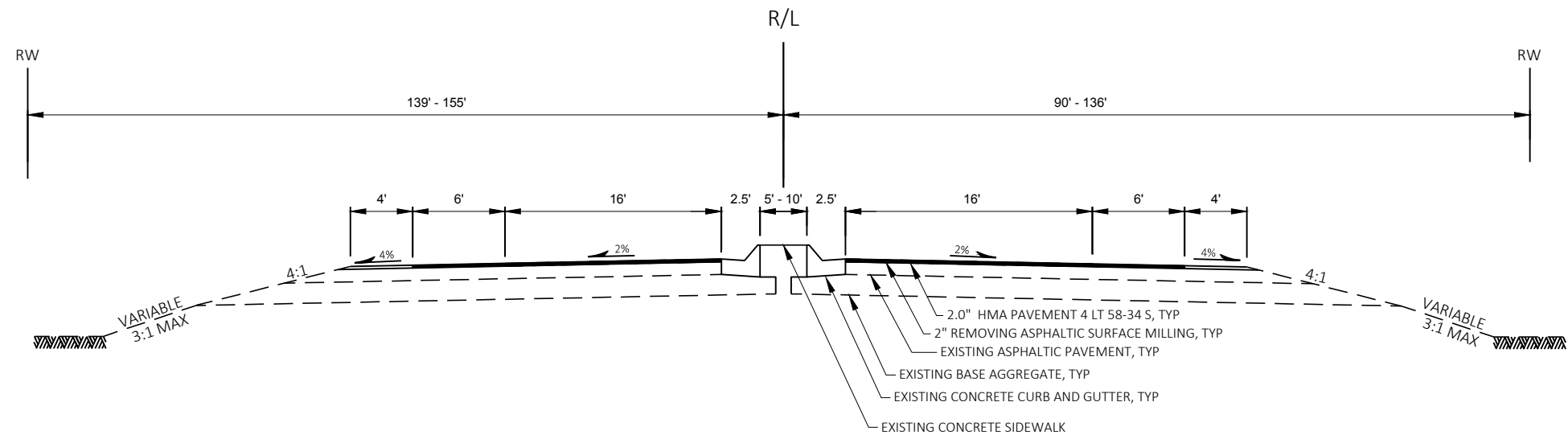




FINISHED TYPICAL SECTION
STA 100+00 TO STA 247+50



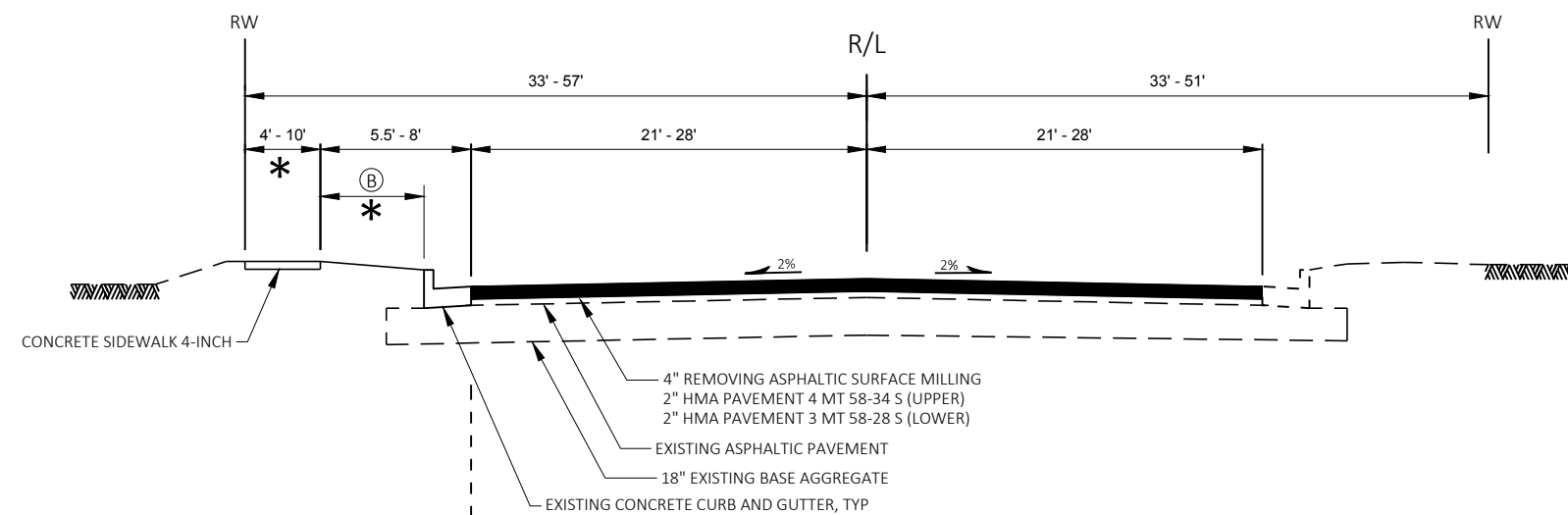
FINISHED TYPICAL SECTION
STA 247+50 TO STA 251+35



FINISHED TYPICAL SECTION
STA 251+35 TO STA 253+16

NOTE:

DEPTH OF MILL TO BE SET AT THE CENTERLINE AND
CONTINUE DOWN AT THE EXISTING ROADWAY SLOPE



FINISHED TYPICAL SECTION
STA 275+71 TO STA 285+00
* STA 275+35 TO STA 275+58 LT

IN ANY DISTURBED AREAS

- (A) FERTILIZER TYPE B; SEEDING MIXTURE NO. 40
(B) TOPSOIL; EROSION MAT; FERTILIZER TYPE B;
SEEDING MIXTURE NO. 40

NOTE:

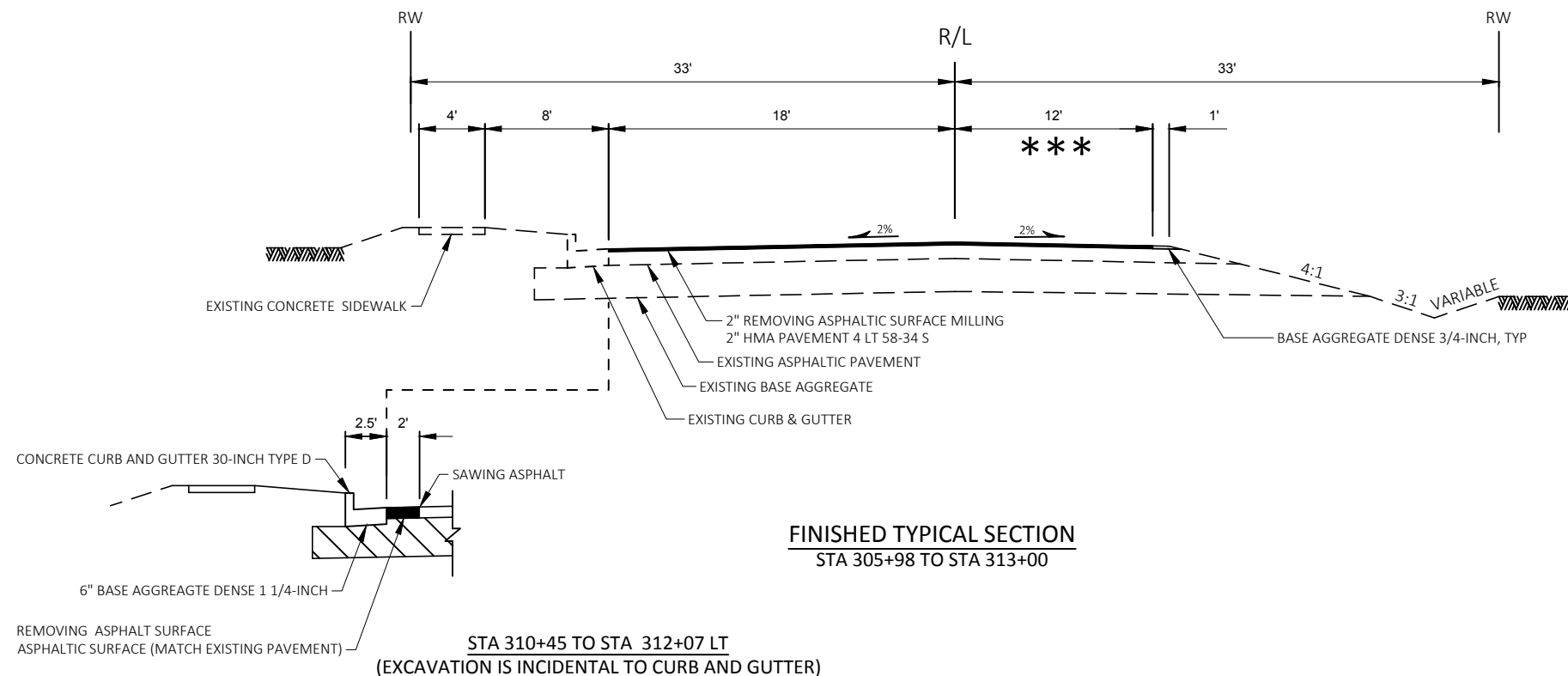
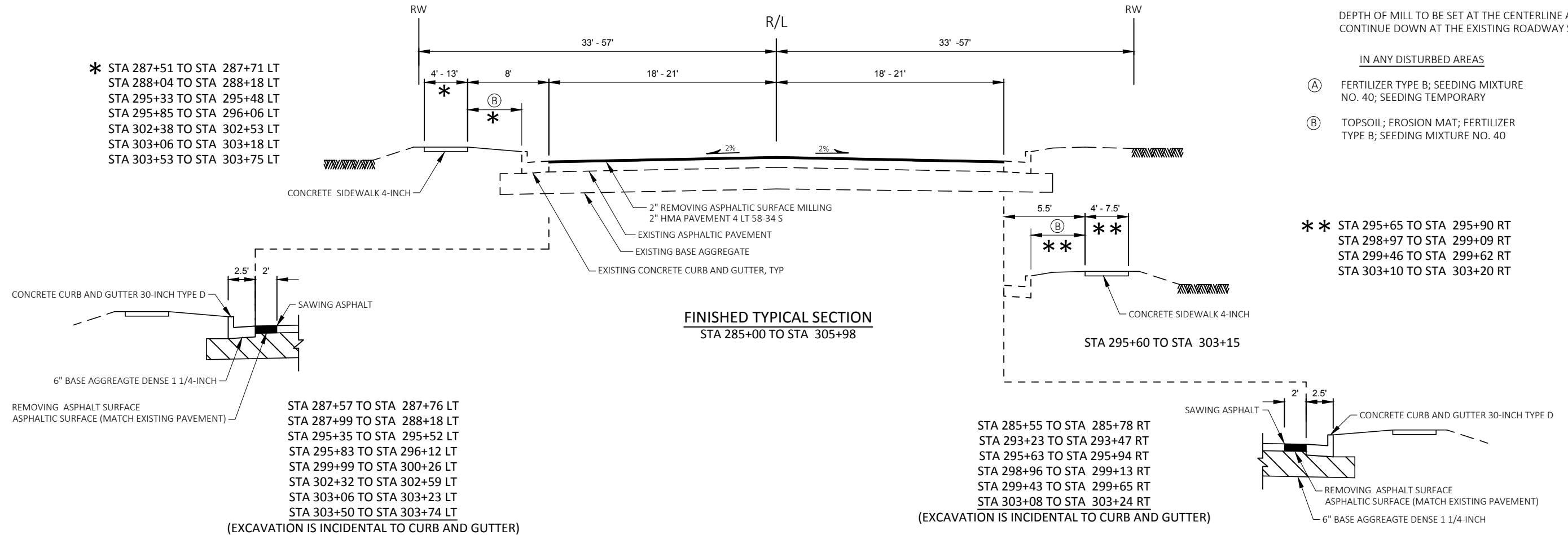
DEPTH OF MILL TO BE SET AT THE CENTERLINE AND
CONTINUE DOWN AT THE EXISTING ROADWAY SLOPE

NOTE:

DEPTH OF MILL TO BE SET AT THE CENTERLINE AND
CONTINUE DOWN AT THE EXISTING ROADWAY SLOPE

IN ANY DISTURBED AREAS

- (A) FERTILIZER TYPE B; SEEDING MIXTURE
NO. 40; SEEDING TEMPORARY
- (B) TOPSOIL; EROSION MAT; FERTILIZER
TYPE B; SEEDING MIXTURE NO. 40



PROJECT NO: 7837-03-71

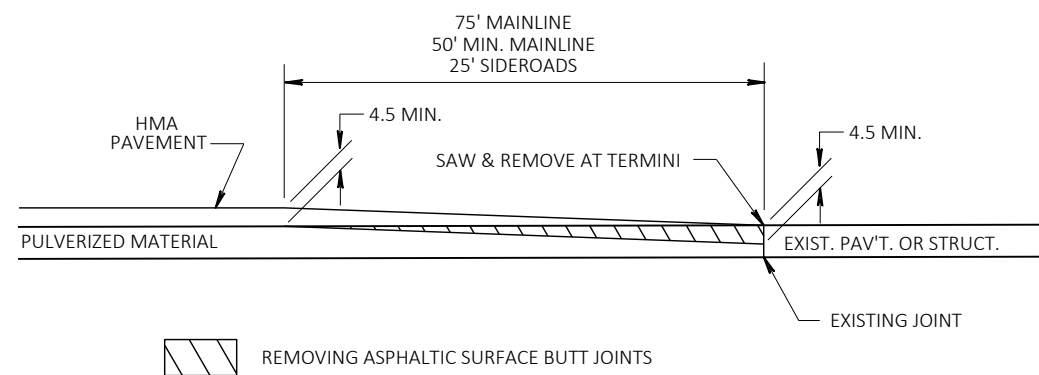
HWY: CTH E

COUNTY: CLARK

PLAN: TYPICAL SECTIONS

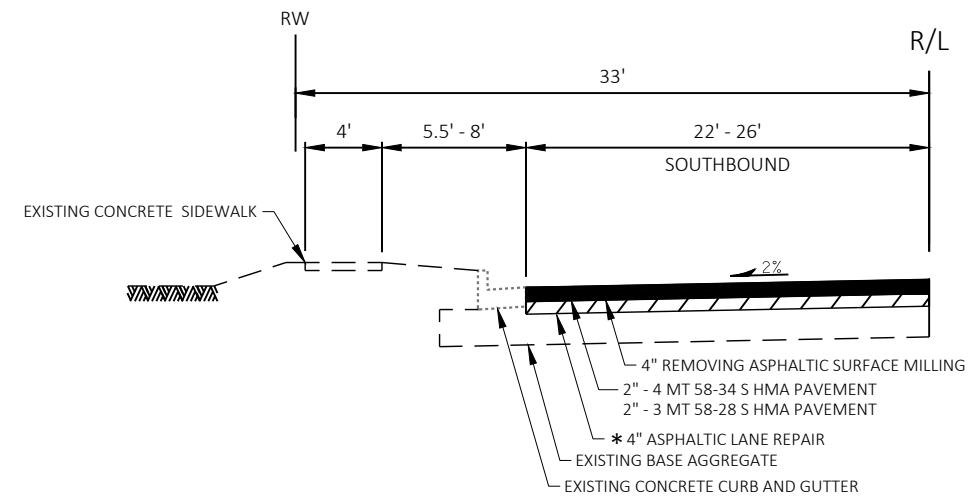
SHEET

E



REMOVING ASPHALTIC SURFACE, BUTT JOINT

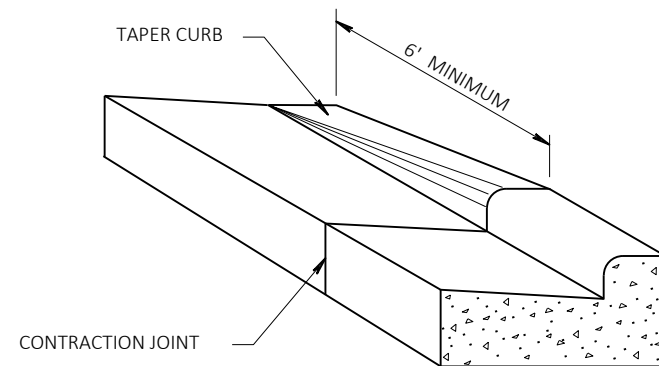
STA 100+00 TO STA 100+75
STA 250+60 TO STA 251+35
STA 245+10, LT INTERSECTION



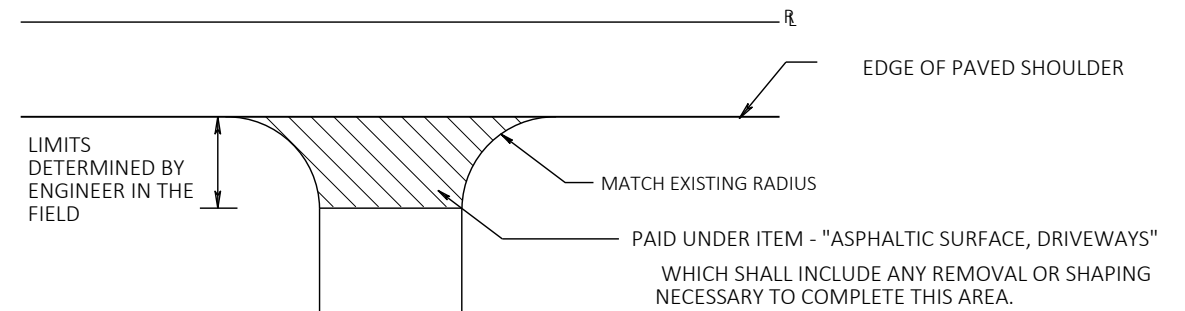
ASPHALTIC SURFACE LANE REPAIR SECTION

STA 283+00 TO STA 285+00, LT

* REMOVE 4" FROM TOP OF MILLED SURFACE PAID FOR AS
REMOVE ASPHALTIC SURFACE MILLING LANE REPAIR SPECIAL

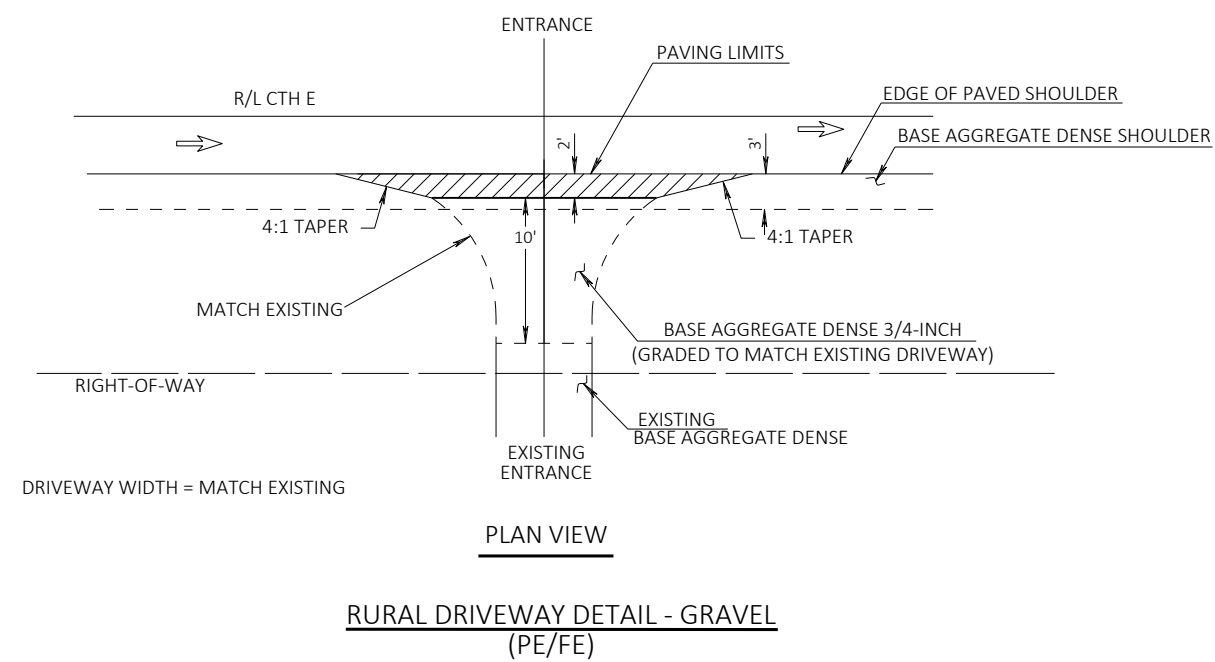


DETAIL OF CURB & GUTTER TERMINI



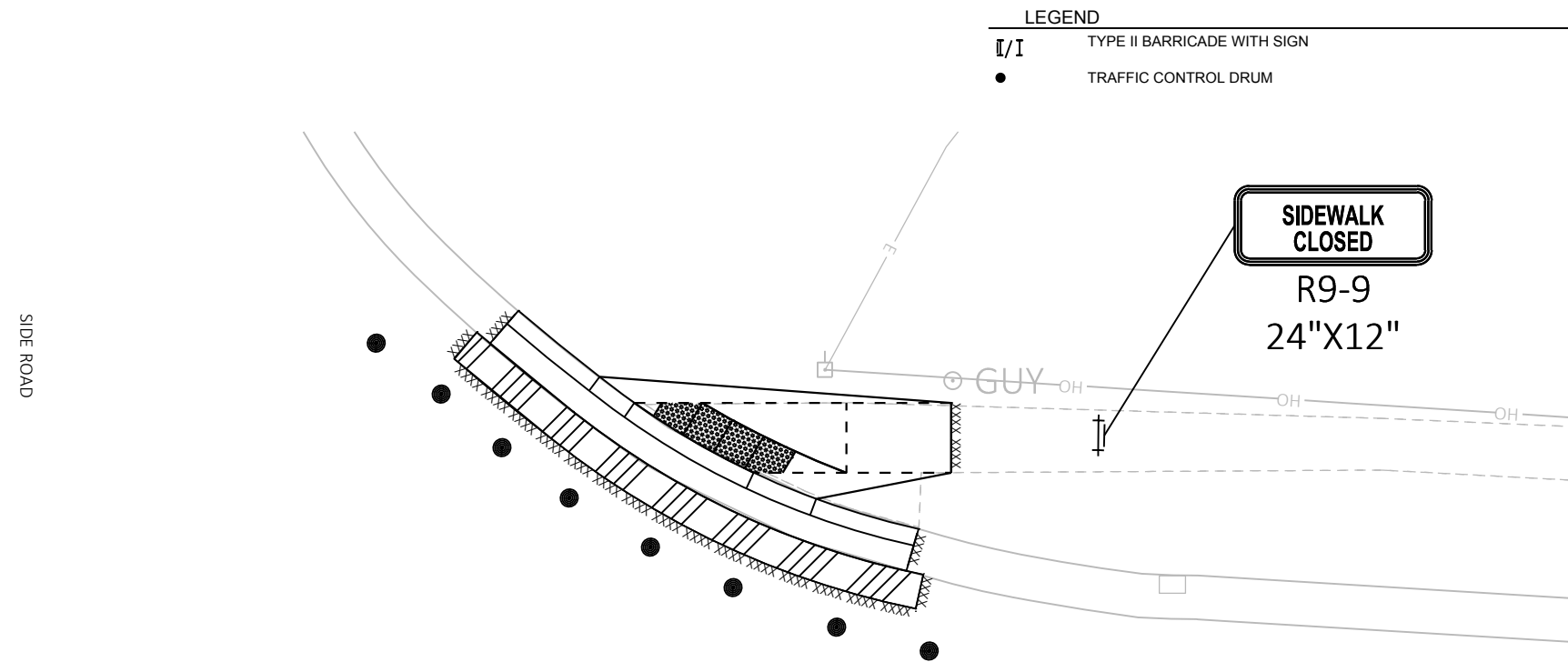
ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID
UNDER ITEM - "BASE AGGREGATE DENSE 1 1/4-INCH"

RURAL DRIVEWAY DETAIL - ASPHALT

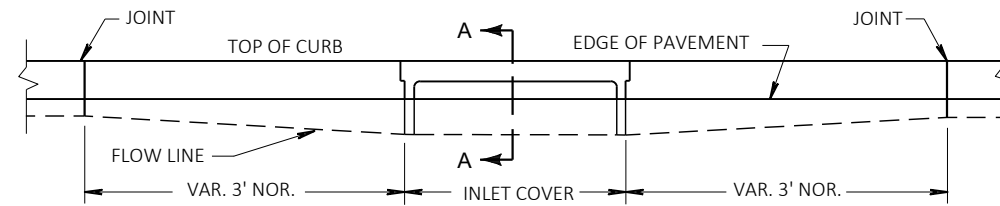


PLAN VIEW

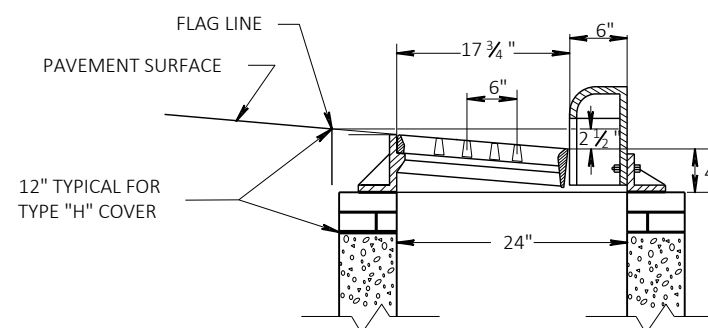
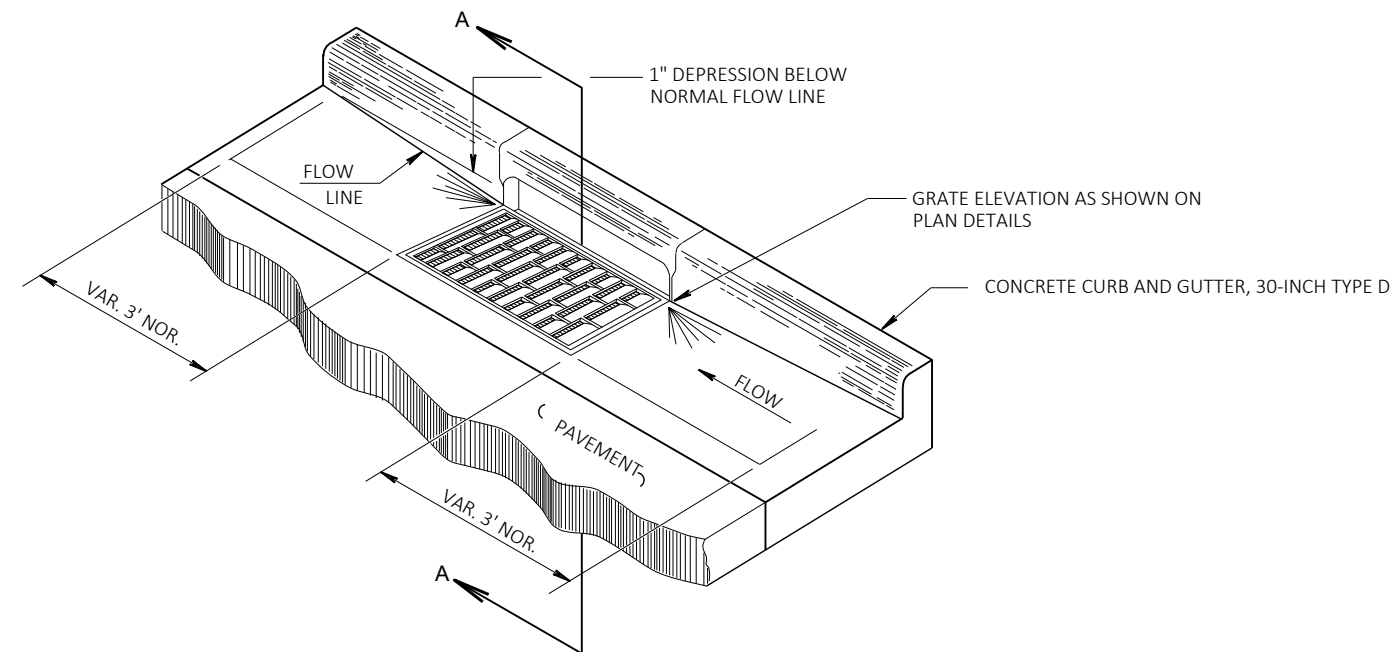
RURAL DRIVEWAY DETAIL - GRAVEL
(PE/FE)



TRAFFIC CONTROL FOR SIDEWALK AND CURB AND GUTTER CONSTRUCTION

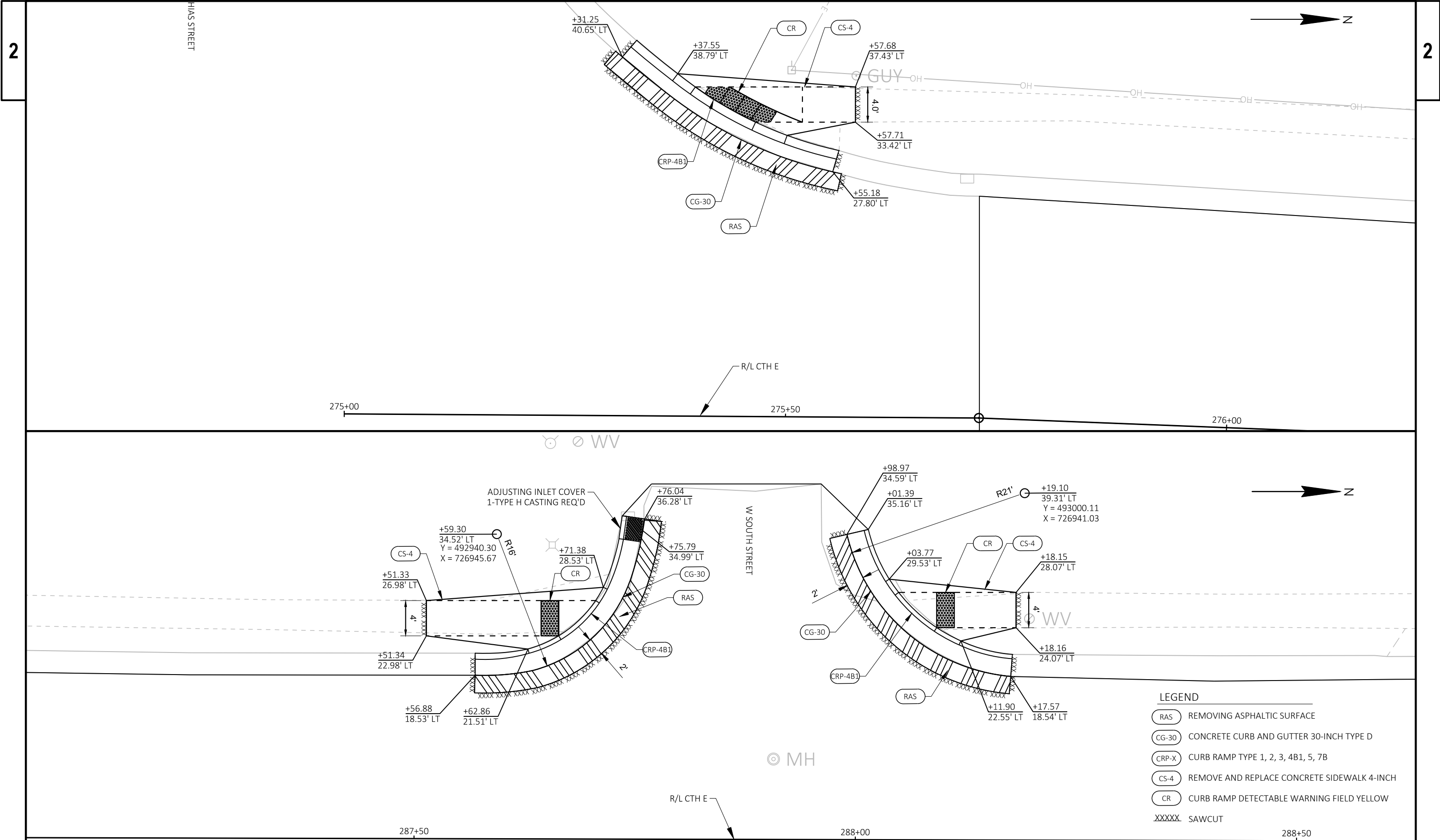


ELEVATION

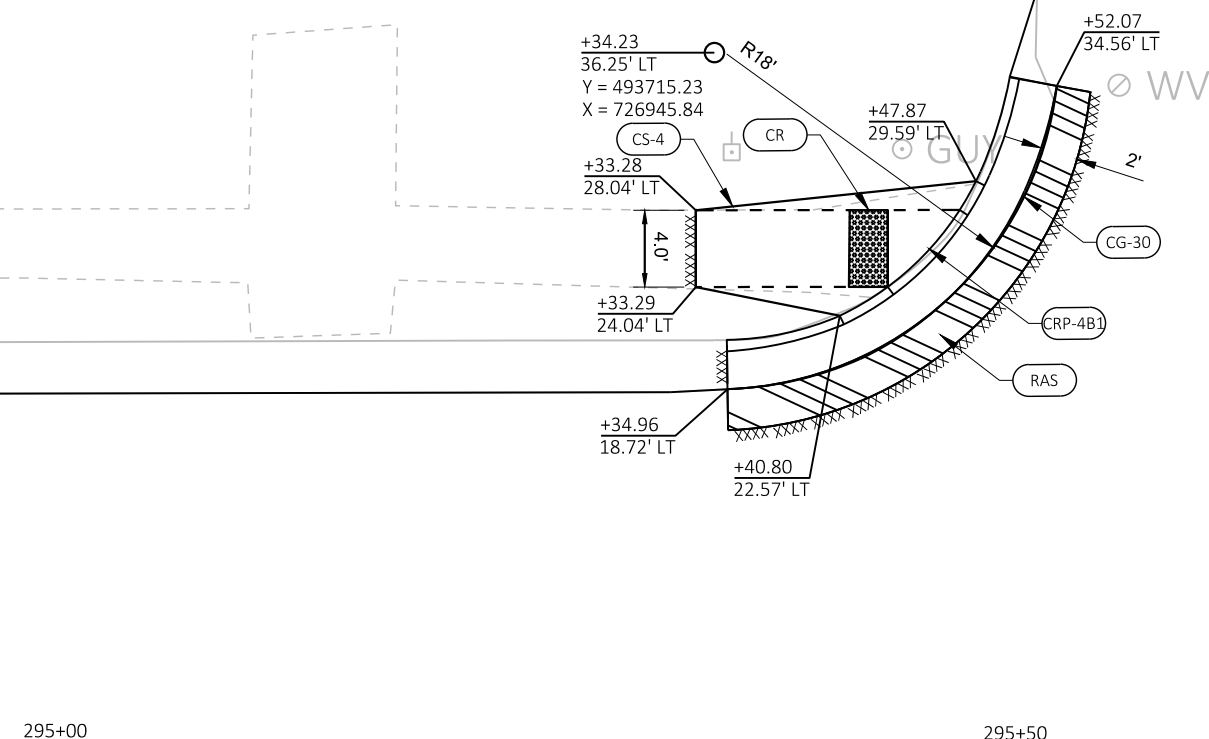


SECTION A-A

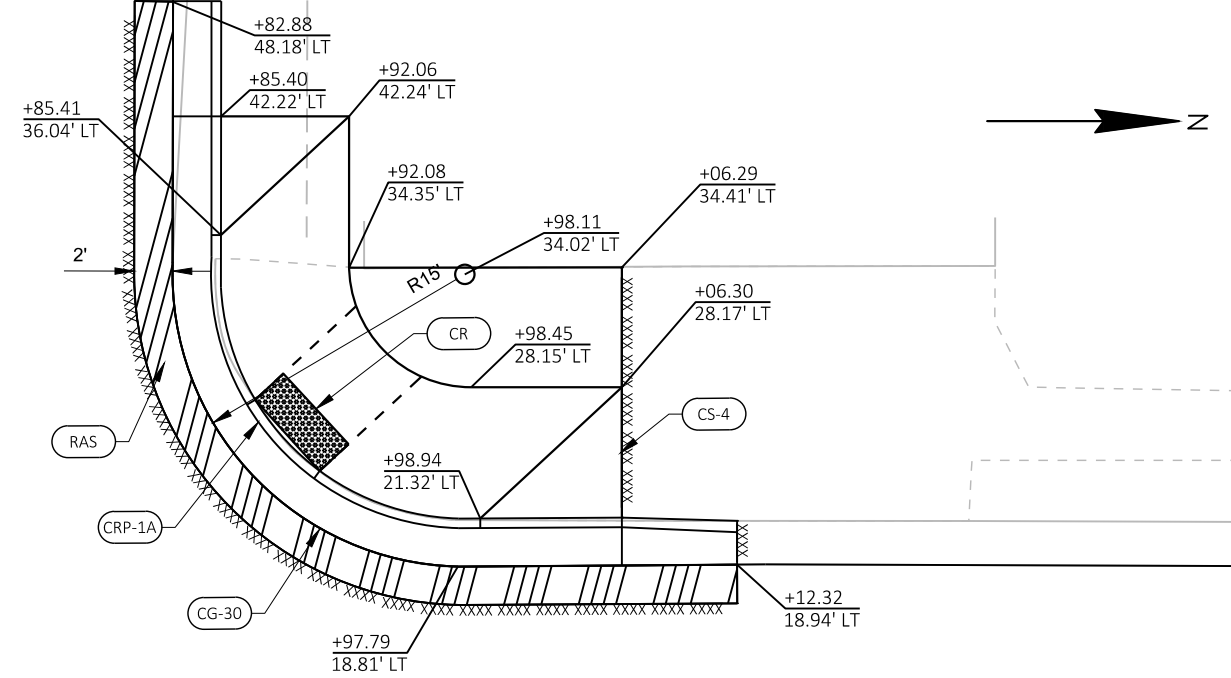
DETAIL OF CURB AND GUTTER AT INLETS
(TYPE 3-H INLET SHOWN)



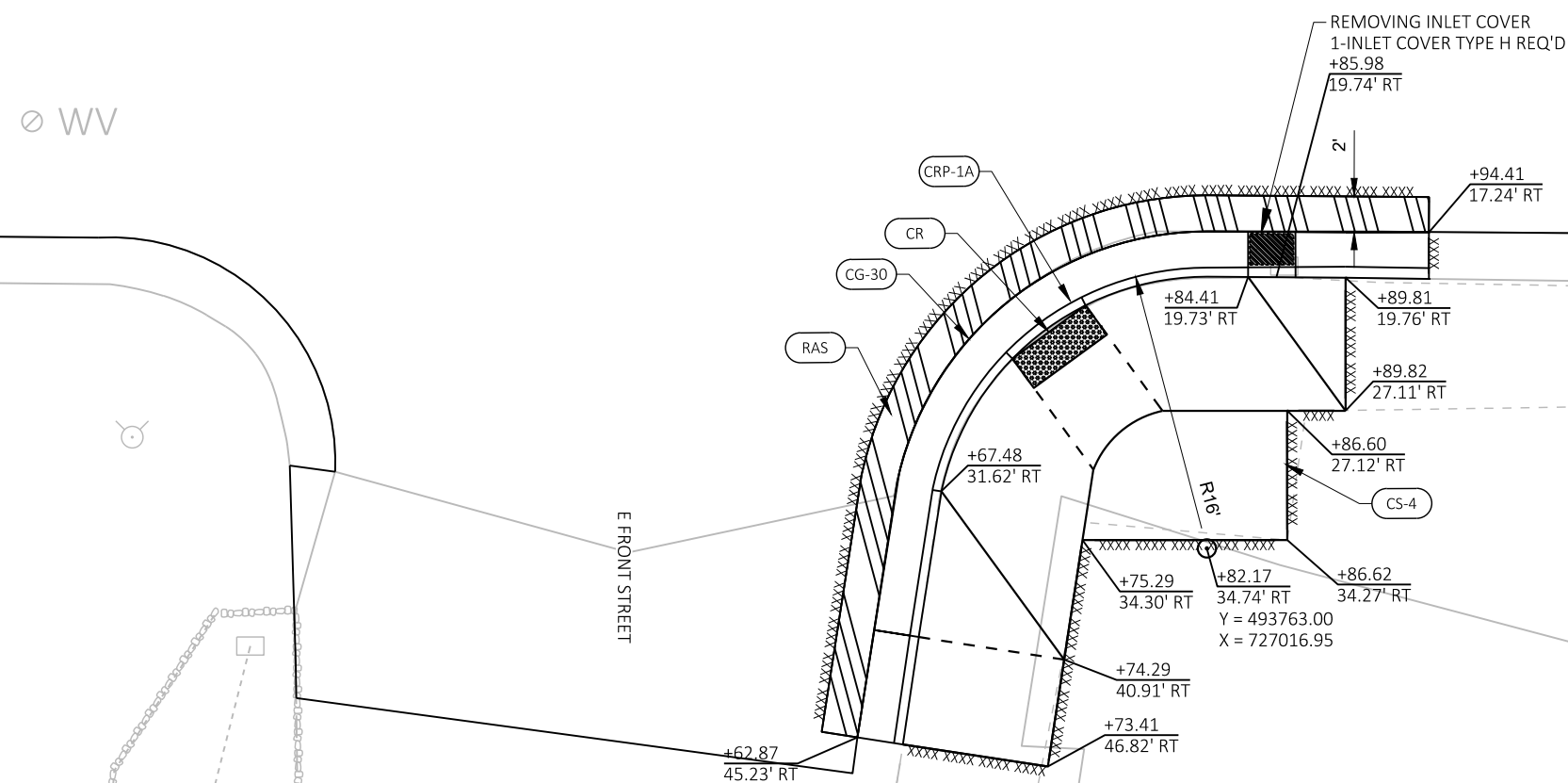
2



W FRONT STREET



2 |



LEGEND

- | | |
|-------|---|
| RAS | REMOVING ASPHALTIC SURFACE |
| CG-30 | CONCRETE CURB AND GUTTER 30-INCH TYPE D |
| CRP-X | CURB RAMP TYPE 1, 2, 3, 4B1, 5, 7B |
| CS-4 | REMOVE AND REPLACE CONCRETE SIDEWALK 4-INCH |
| CR | CURB RAMP DETECTABLE WARNING FIELD YELLOW |
| XXXXX | SAWCUT |

PROJECT NO:	7837-03-71
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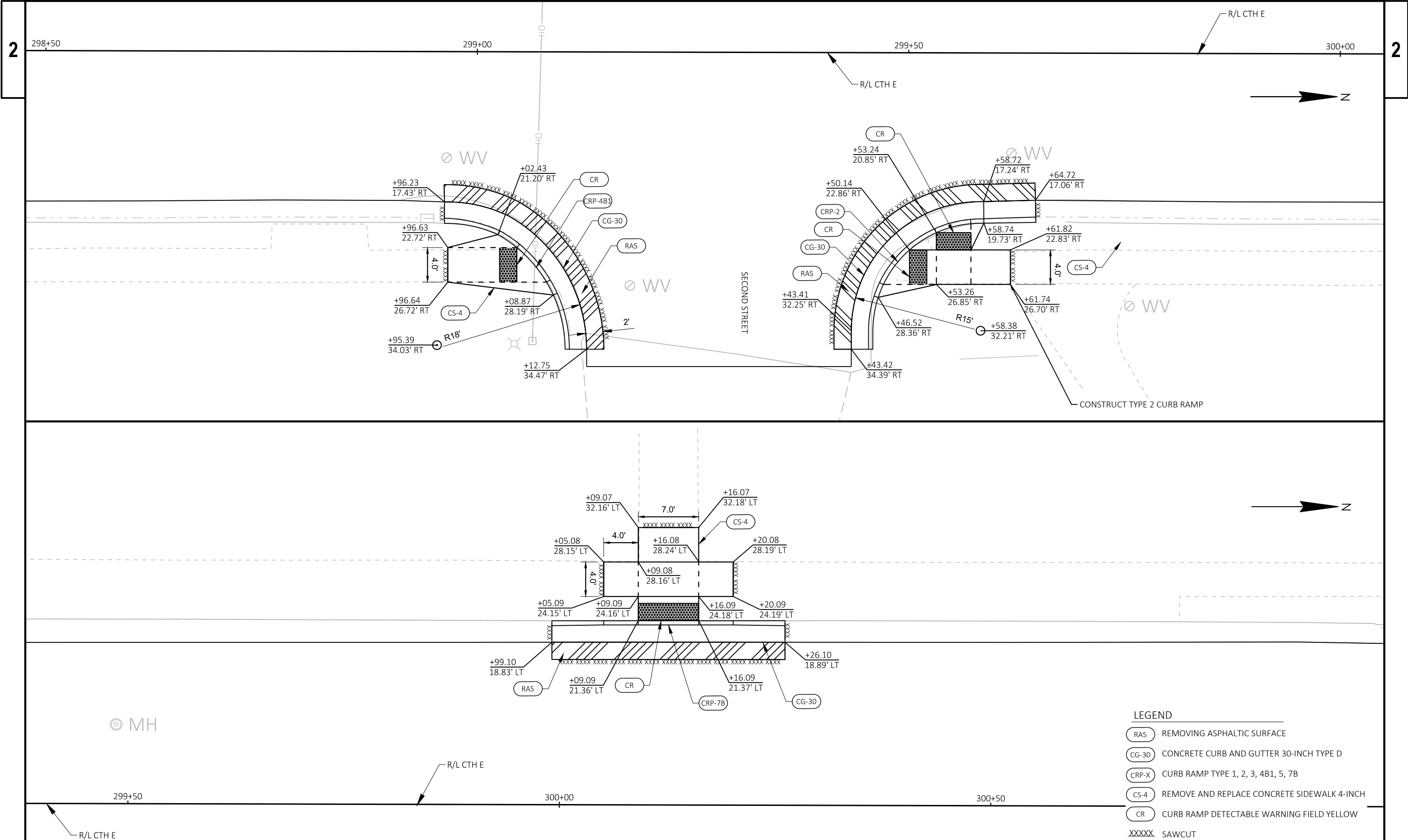
HWY: CTH E

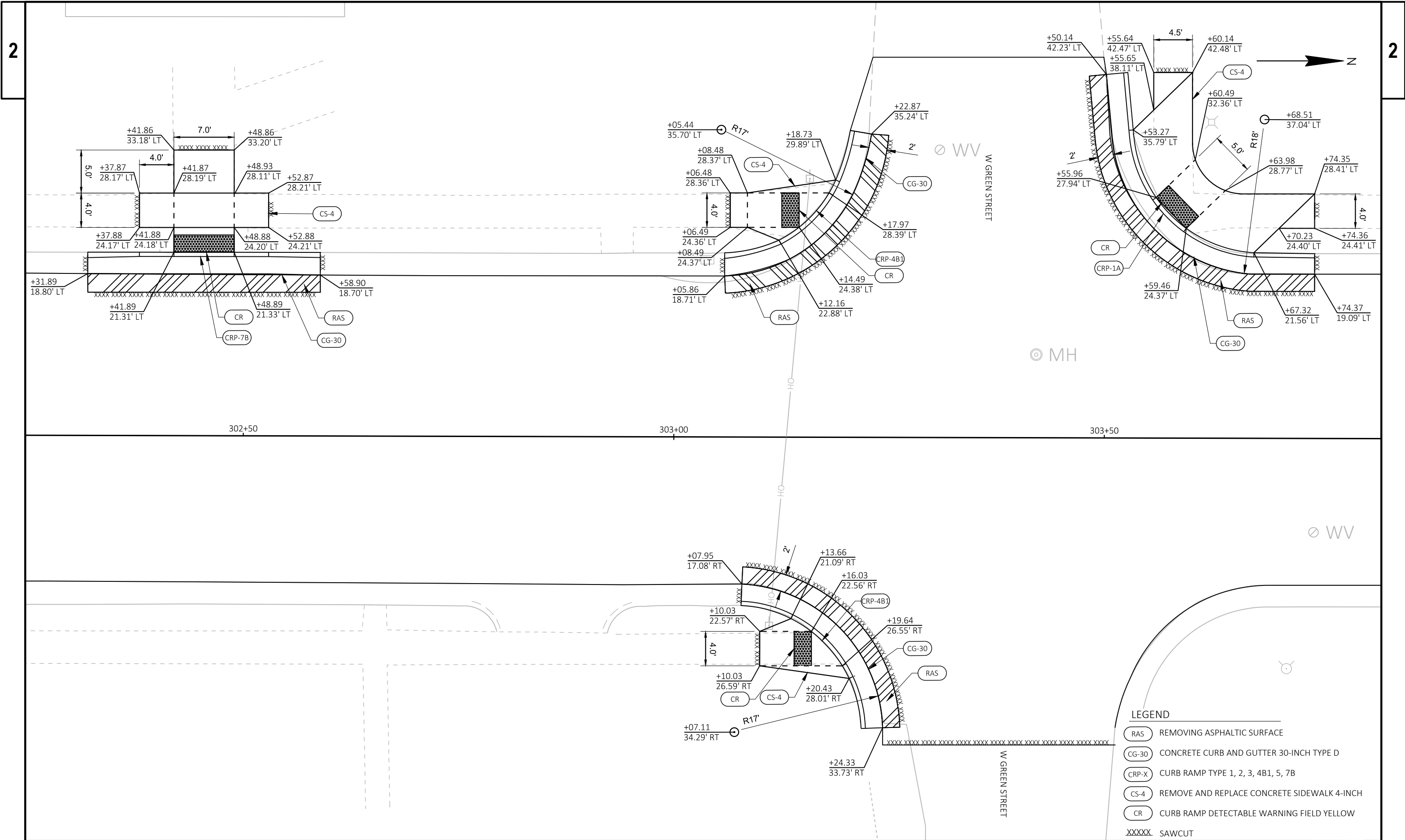
COUNTY: CLARK

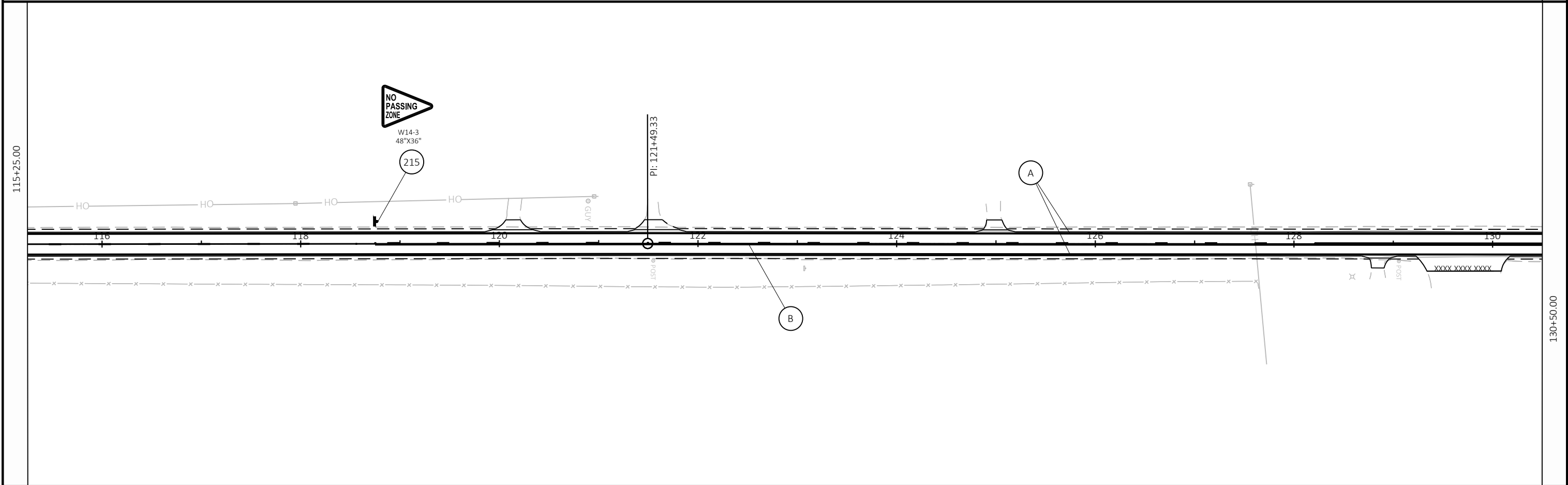
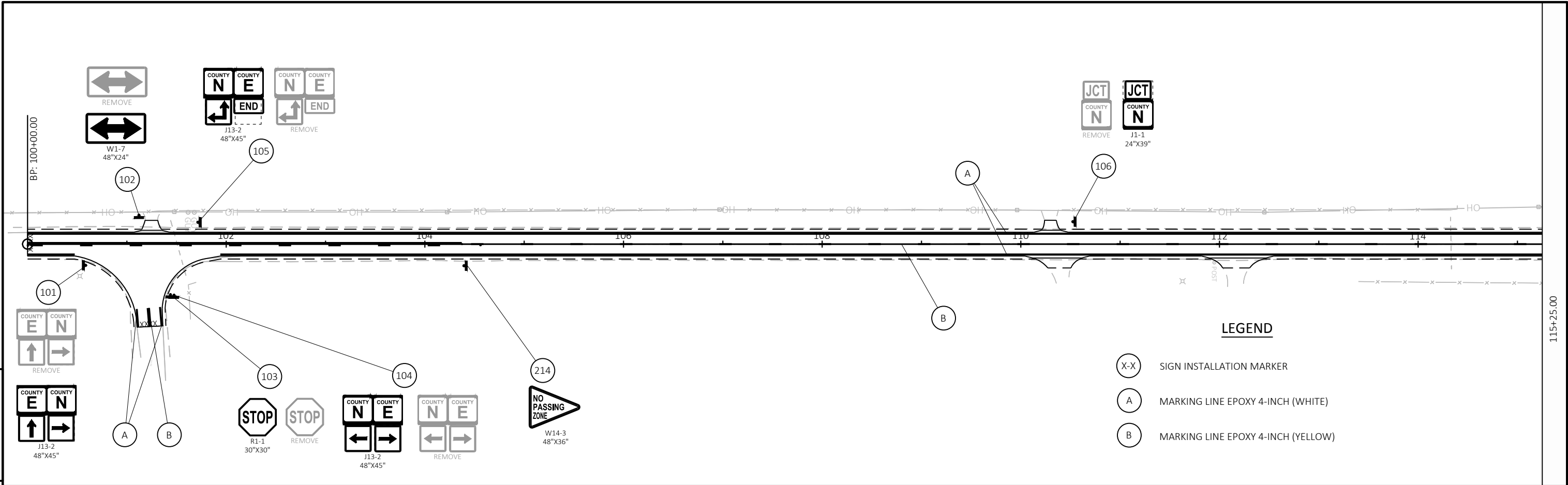
PLAN: PLAN DETAILS

SHEET

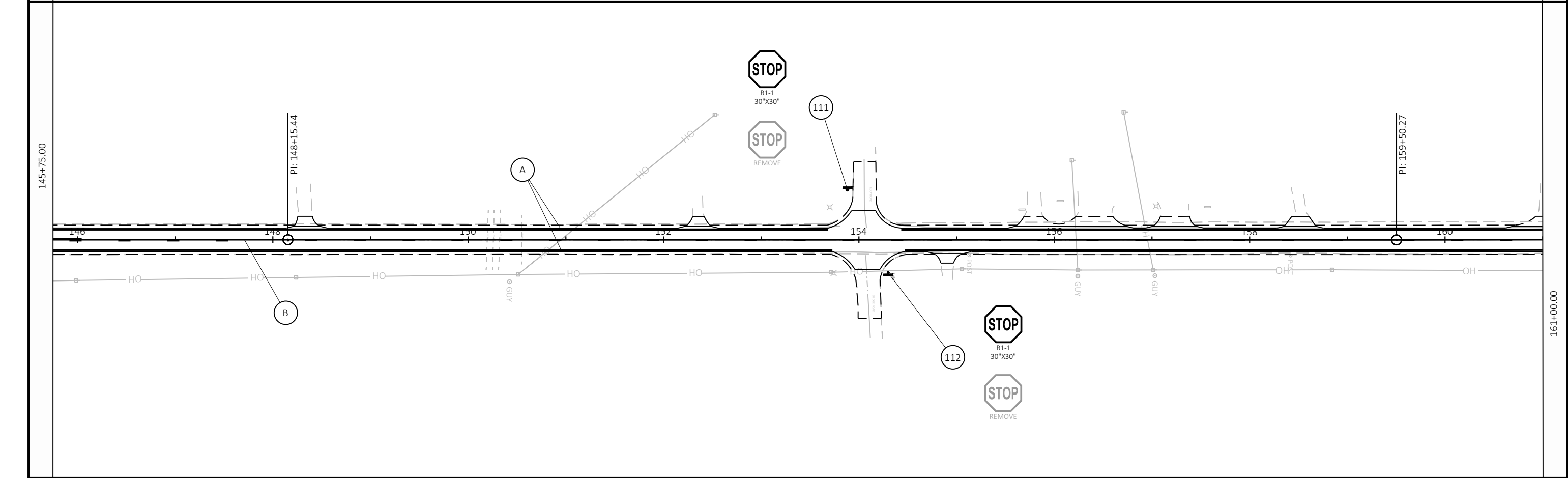
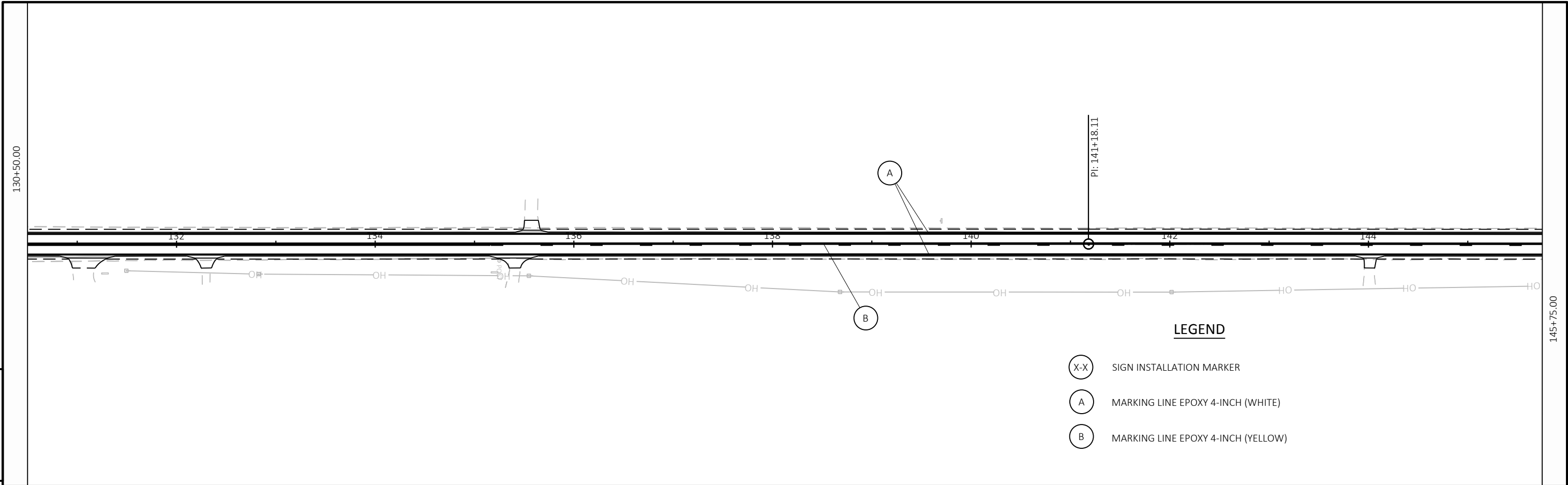
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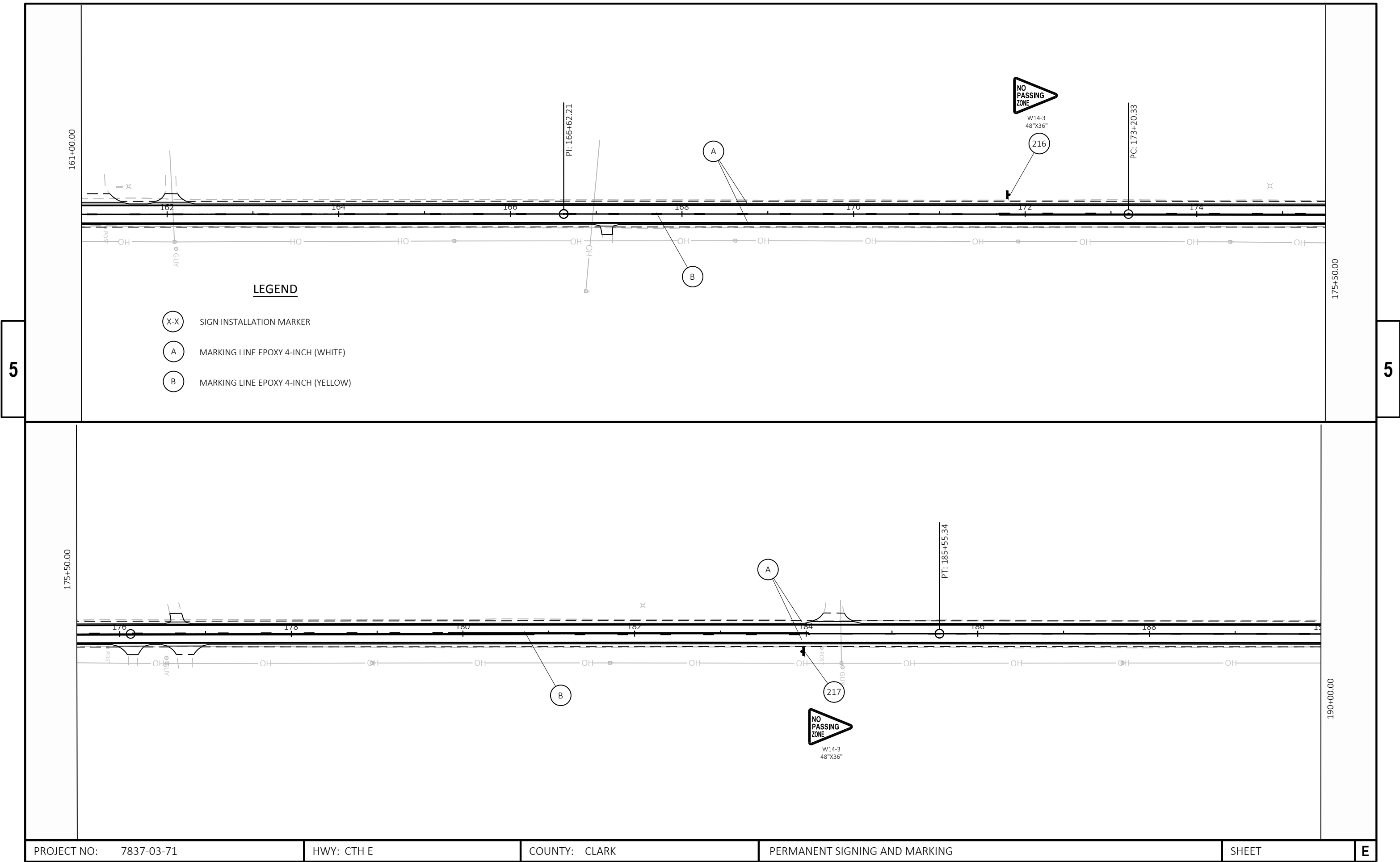


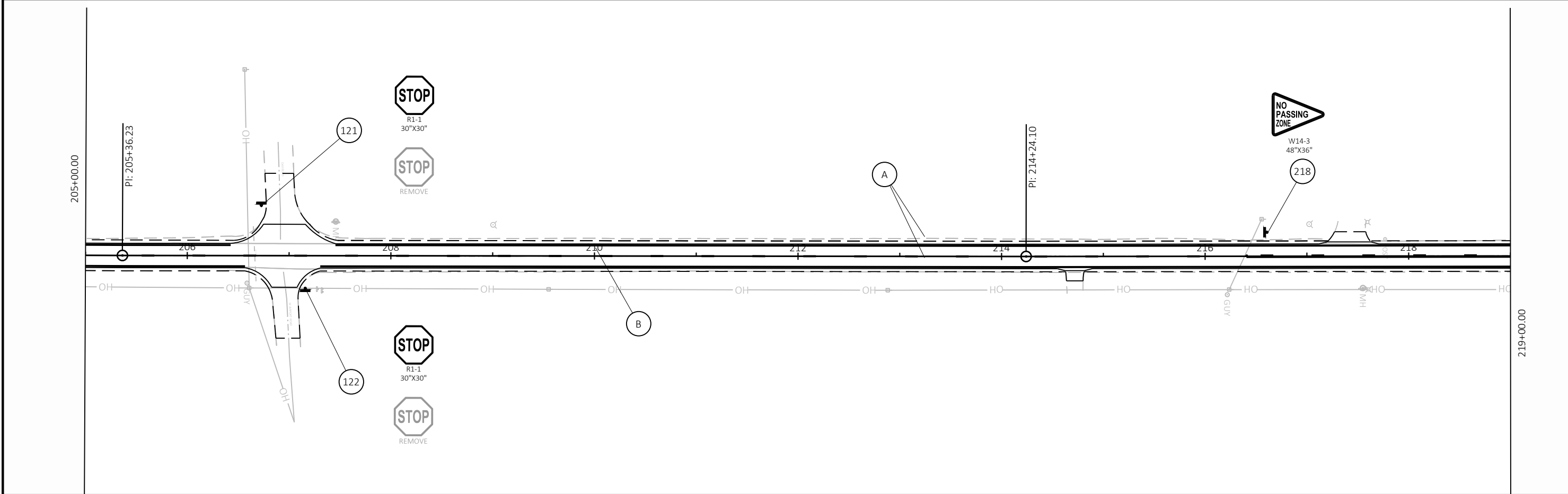
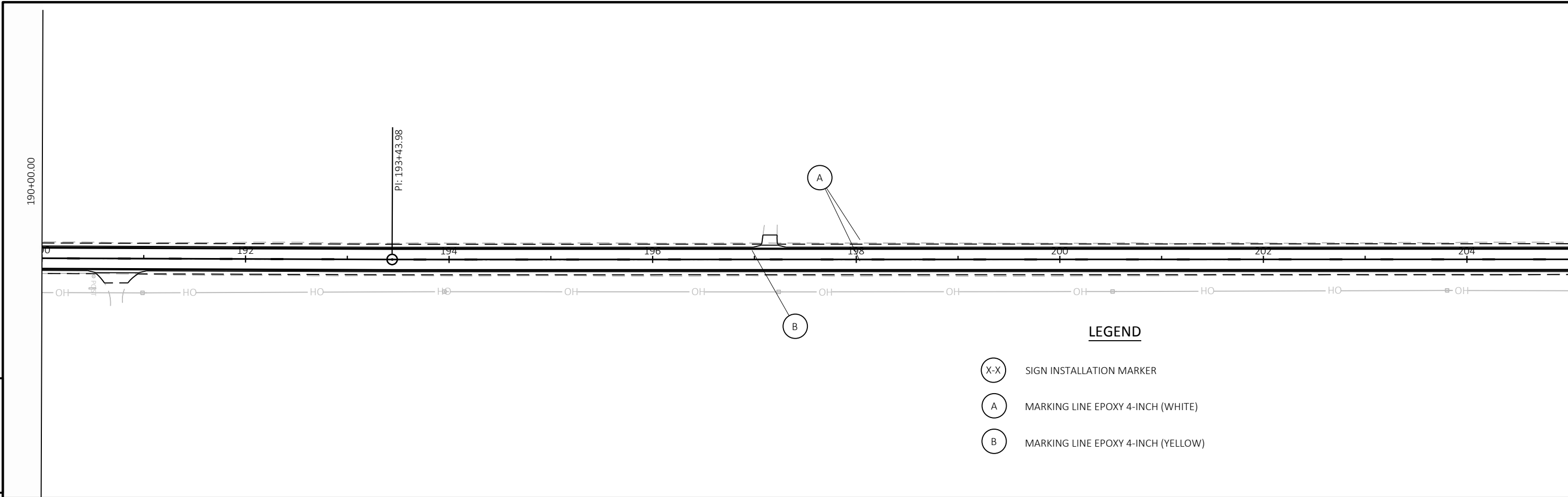


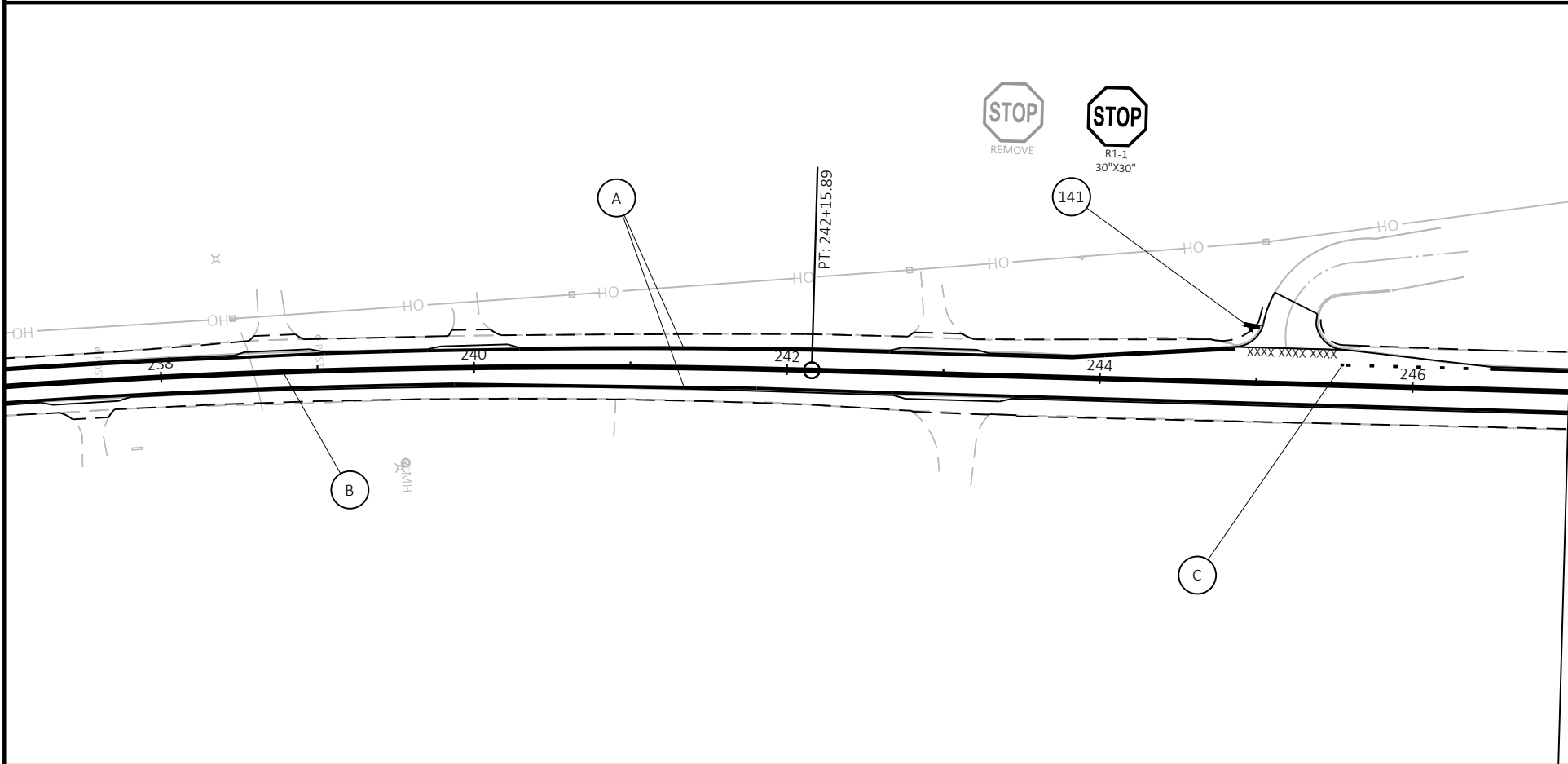
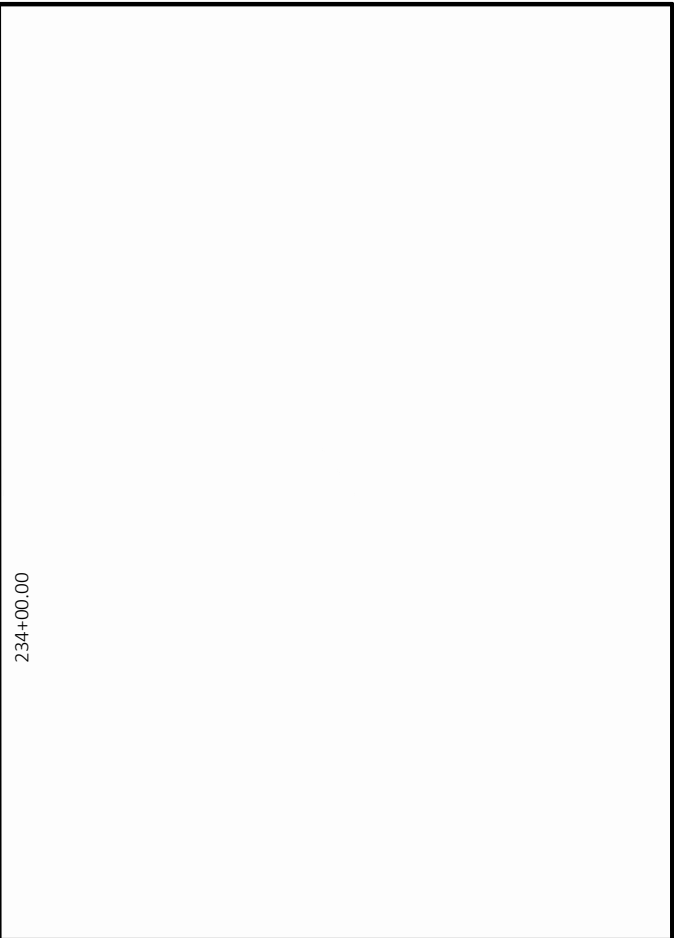
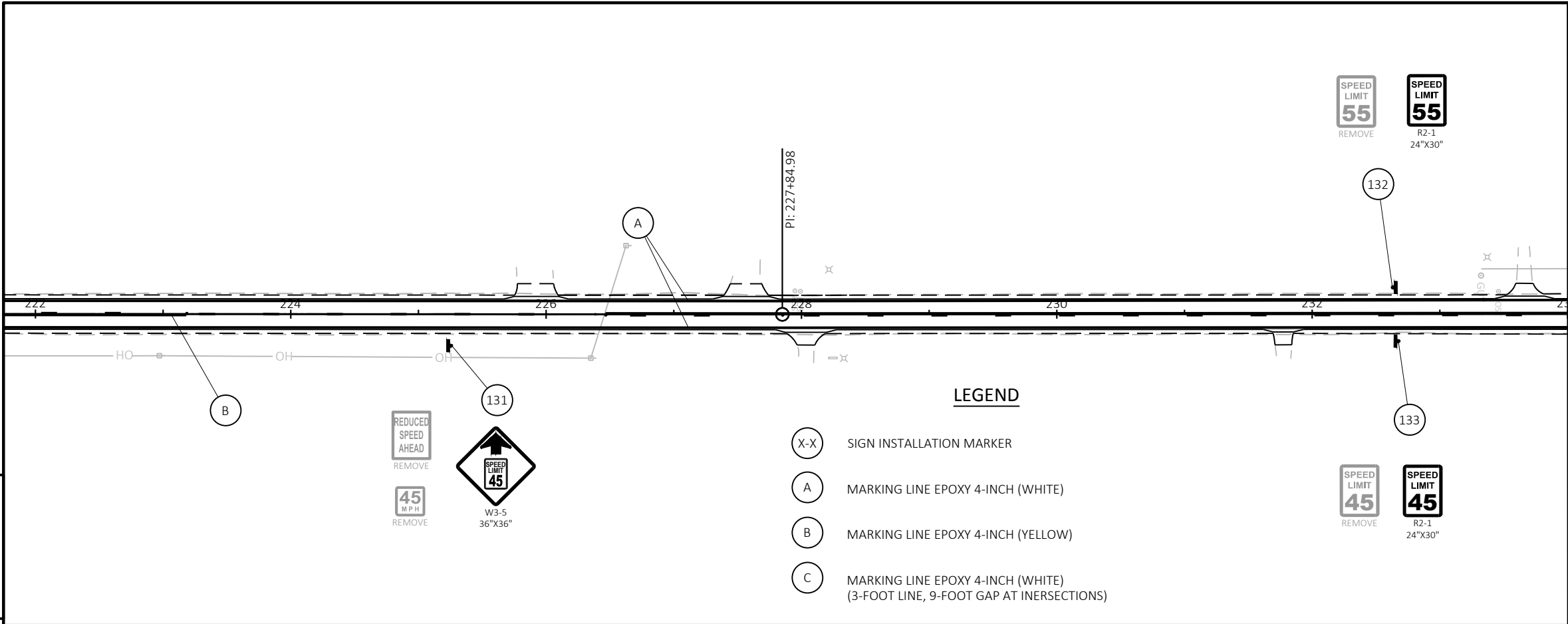


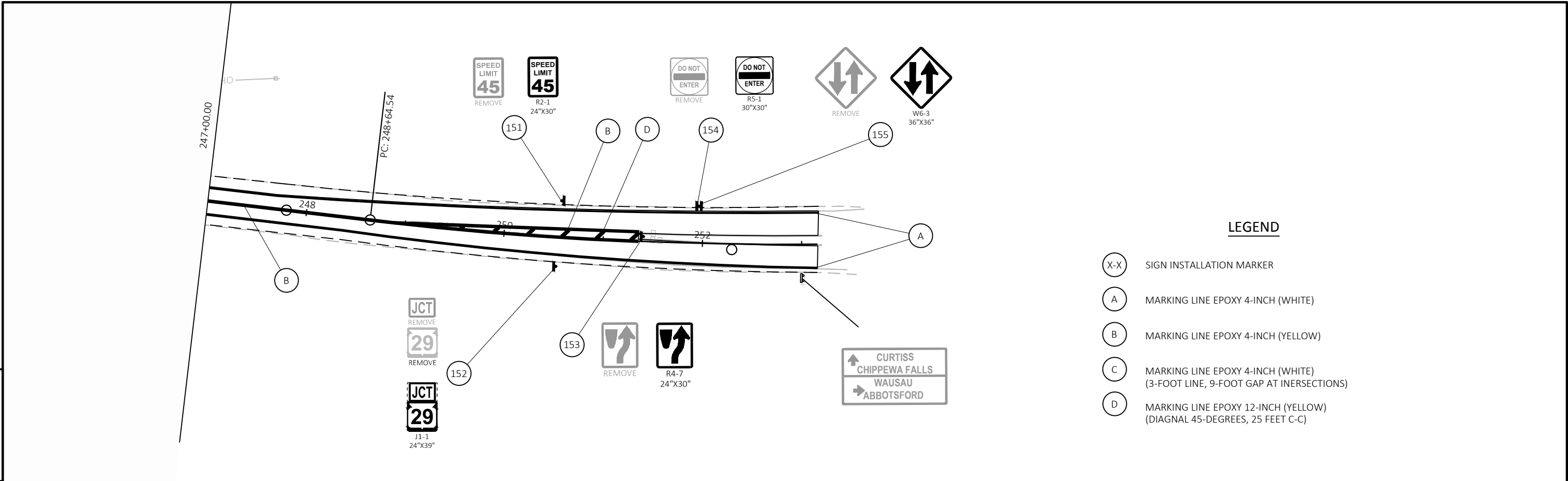
PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PERMANENT SIGNING AND MARKING	SHEET	E
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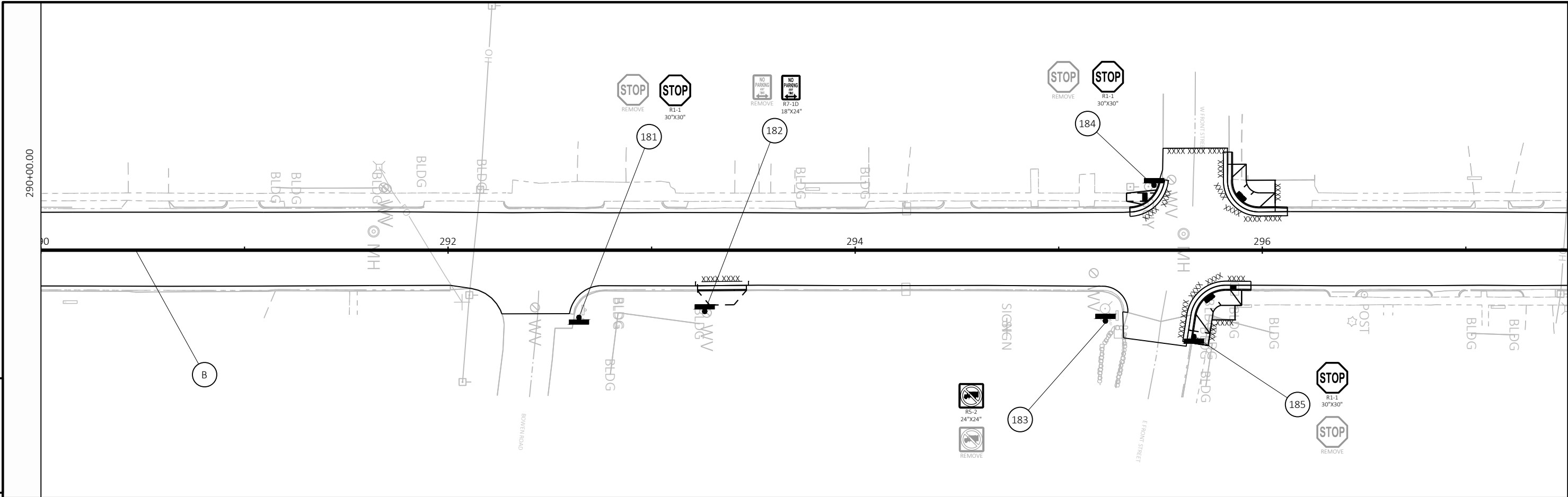






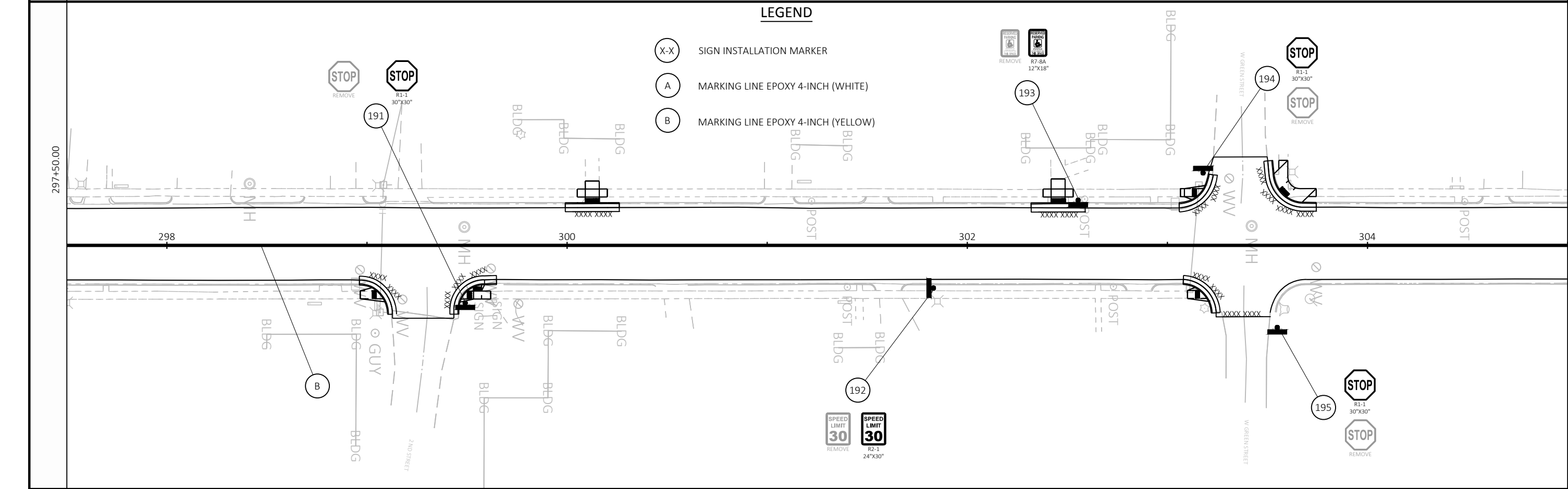




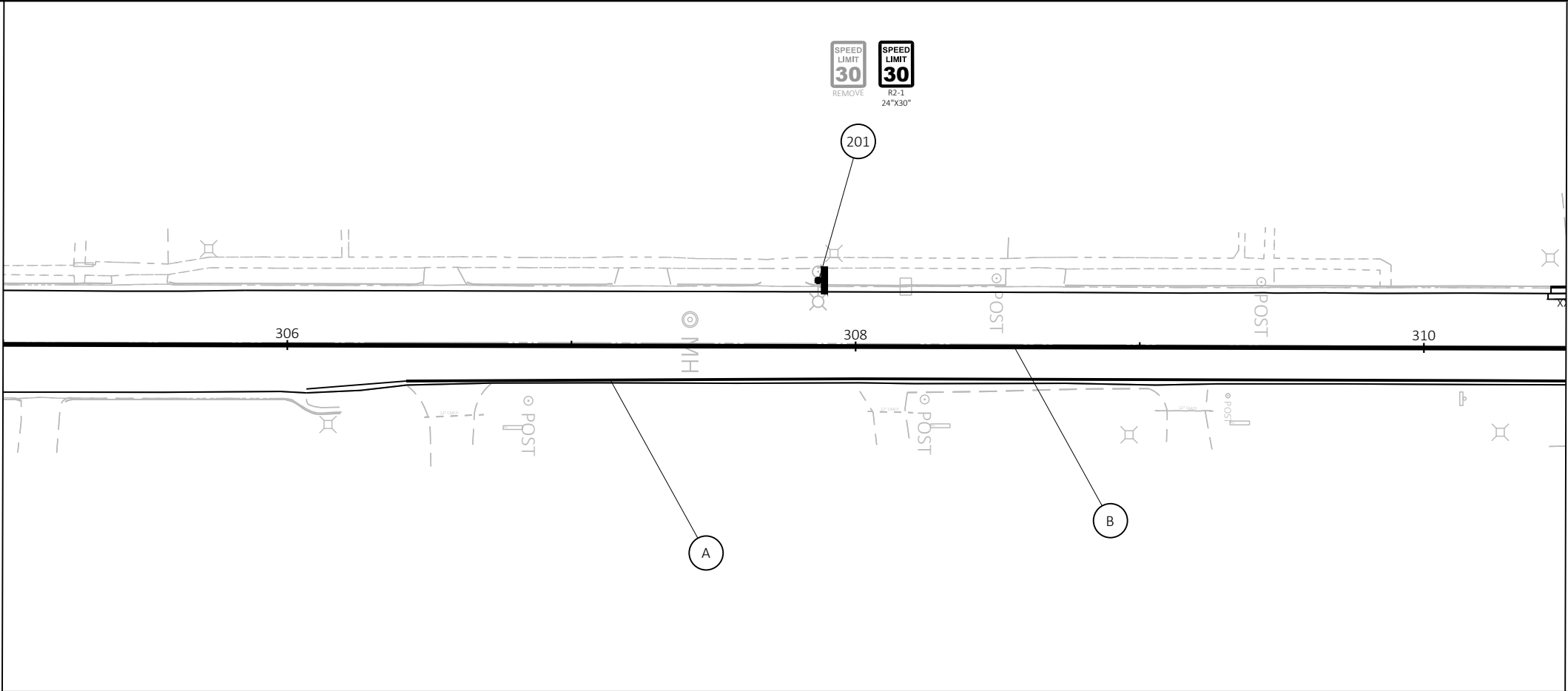


LEGEND

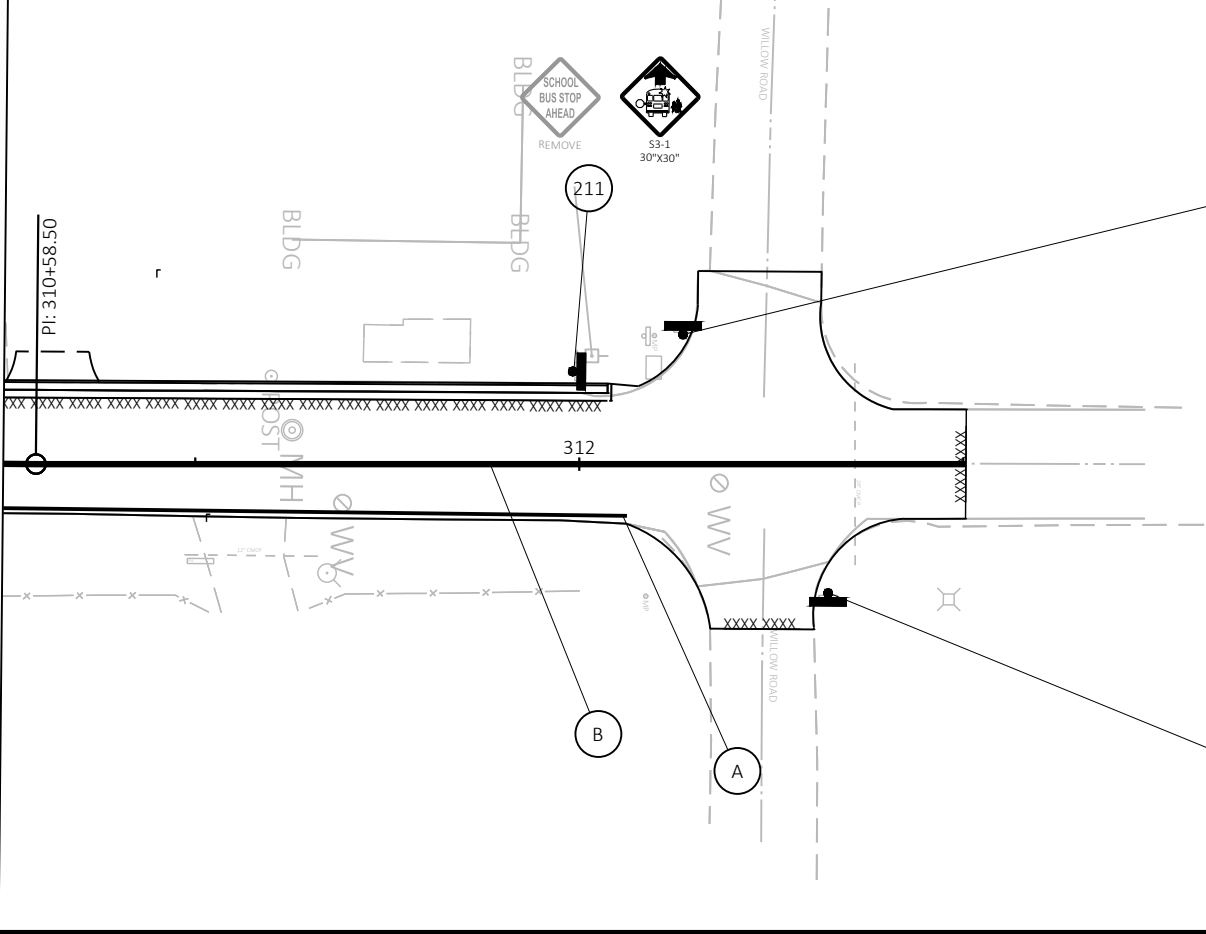
- (X-X) SIGN INSTALLATION MARKER
- (A) MARKING LINE EPOXY 4-INCH (WHITE)
- (B) MARKING LINE EPOXY 4-INCH (YELLOW)



5



5



LEGEND

- | | |
|---|--|
| <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">X-X</div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-bottom: 10px;">A</div> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">B</div> | <p>SIGN INSTALLATION MARKER</p> <p>MARKING LINE EPOXY 4-INCH (WHITE)</p> <p>MARKING LINE EPOXY 4-INCH (YELLOW)</p> |
|---|--|

PROJECT NO:	7837-03-71
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HWY: CTH E

COUNTY: CLARK

PERMANENT SIGNING AND MARKING

SHEET

E

FILE NAME : P:\WI - NW REGION\7837-03-01_CLARK CO_CTH E\500_CADD\501_C3D_2018\78370301\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023209 - ps

PLOT DATE : 1/29/2019 4:46 PM

PLOT BY : BOBBY JONES

PLOT NAME :

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

Estimate Of Quantities

7837-03-71					
Line	Item	Item Description	Unit	Total	Qty
0002	204.0110	Removing Asphaltic Surface	SY	155.000	155.000
0004	204.0115	Removing Asphaltic Surface Butt Joints	SY	780.000	780.000
0006	204.0120	Removing Asphaltic Surface Milling	SY	18,348.000	18,348.000
0008	204.0150	Removing Curb & Gutter	LF	594.000	594.000
0010	204.0155	Removing Concrete Sidewalk	SY	149.000	149.000
0012	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 7837-03-71	LS	1.000	1.000
0014	213.0100	Finishing Roadway (project) 01. 7837-03-71	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,458.000	3,458.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	93.000	93.000
0020	305.0500	Shaping Shoulders	STA	12.000	12.000
0022	325.0100	Pulverize and Relay	SY	40,970.000	40,970.000
0024	455.0605	Tack Coat	GAL	3,268.000	3,268.000
0026	460.2000	Incentive Density HMA Pavement	DOL	8,450.000	8,450.000
0028	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,898.000	5,898.000
0030	460.5244	HMA Pavement 4 LT 58-34 S	TON	6,090.000	6,090.000
0032	460.6223	HMA Pavement 3 MT 58-28 S	TON	610.000	610.000
0034	460.6244	HMA Pavement 4 MT 58-34 S	TON	610.000	610.000
0036	465.0105	Asphaltic Surface	TON	60.000	60.000
0038	465.0110	Asphaltic Surface Patching	TON	25.000	25.000
0040	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	22.000	22.000
0042	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	610.000	610.000
0044	602.0405	Concrete Sidewalk 4-Inch	SF	1,575.000	1,575.000
0046	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	142.000	142.000
0048	611.0624	Inlet Covers Type H	EACH	2.000	2.000
0050	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0052	611.8120.S	Cover Plates Temporary	EACH	11.000	11.000
0054	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7837-03-71	EACH	1.000	1.000
0056	619.1000	Mobilization	EACH	1.000	1.000
0058	624.0100	Water	MGAL	61.000	61.000
0060	625.0100	Topsoil	SY	157.000	157.000
0062	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000
0064	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000
0066	628.2006	Erosion Mat Urban Class I Type A	SY	157.000	157.000
0068	628.7015	Inlet Protection Type C	EACH	19.000	19.000
0070	629.0210	Fertilizer Type B	CWT	1.000	1.000
0072	630.0140	Seeding Mixture No. 40	LB	10.000	10.000
0074	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	44.000	44.000
0076	637.2210	Signs Type II Reflective H	SF	203.630	203.630

Estimate Of Quantities

7837-03-71

Line	Item	Item Description	Unit	Total	Qty
0078	637.2230	Signs Type II Reflective F	SF	68.500	68.500
0080	638.2602	Removing Signs Type II	EACH	52.000	52.000
0082	638.3000	Removing Small Sign Supports	EACH	39.000	39.000
0084	642.5001	Field Office Type B	EACH	1.000	1.000
0086	643.0300	Traffic Control Drums	DAY	500.000	500.000
0088	643.0410	Traffic Control Barricades Type II	DAY	100.000	100.000
0090	643.0900	Traffic Control Signs	DAY	2,100.000	2,100.000
0092	643.5000	Traffic Control	EACH	1.000	1.000
0094	646.1020	Marking Line Epoxy 4-Inch	LF	55,036.000	55,036.000
0096	646.7120	Marking Diagonal Epoxy 12-Inch	LF	53.000	53.000
0098	648.0100	Locating No-Passing Zones	MI	2.900	2.900
0100	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	610.000	610.000
0102	650.8000	Construction Staking Resurfacing Reference	LF	19,045.000	19,045.000
0104	650.9910	Construction Staking Supplemental Control (project) 01. 7837-03-71	LS	1.000	1.000
0106	690.0150	Sawing Asphalt	LF	1,269.000	1,269.000
0108	690.0250	Sawing Concrete	LF	224.000	224.000
0110	740.0440	Incentive IRI Ride	DOL	10,050.000	10,050.000
0112	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,200.000	1,200.000
0114	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0116	SPV.0060	Special 01. Adjusting Sanitary Manhole Covers	EACH	10.000	10.000
0118	SPV.0060	Special 02. Adjusting Water Gate Valve Boxes	EACH	13.000	13.000
0120	SPV.0180	Special 01. Removing Asphaltic Surface Milling Lane Repair	SY	500.000	500.000
0122	SPV.0195	Special 01. Asphaltic Surface Lane Repair	TON	110.000	110.000

REMOVING ASPHALTIC SURFACE

				204.0110	204.0115	204.0120	REMARKS
				SY	BUTT JOINTS SY	MILLING SY	
STATION	-	STATION	LOCATION	SY	SY	SY	
100+00	-	100+75	CL	-	200	-	BEGINNING OF PROJECT
101+10	-	101+36	RT	-	80	-	CTH N
129+34	-	130+09	RT	23	-	-	PRIVATE DRIVE
245+10	-	245+43	LT	-	90	-	FRONTAGE ROAD
250+60	-	251+35	CL	-	410	-	MAINLINE
275+31	-	275+56	LT	6	-	-	MATTHIAS ST NW QUAD
285+55	-	285+77	RT	5	-	-	CURB REPLACEMENT
287+57	-	287+76	LT	6	-	-	W SOUTH ST SOUTH SW QUAD
287+97	-	288+17	LT	5	-	-	W SOUTH ST NORTH NW QUAD
293+22	-	293+46	RT	5	-	-	DRIVEWAY ENTRANCE
295+35	-	295+52	LT	6	-	-	W FRONT ST SW QUAD
295+61	-	295+94	RT	11	-	-	E FRONT ST NE QUAD
295+83	-	296+12	LT	11	-	-	W FRONT ST NW QUAD
298+96	-	299+13	RT	5	-	-	2ND ST SE QUAD
299+45	-	299+65	RT	6	-	-	2ND ST NE QUAD
299+99	-	300+26	LT	6	-	-	COMMUNITY CENTER CURB AREA
302+32	-	302+58	LT	6	-	-	ST PAUL'S LUTHERAN CURB AREA
300+06	-	303+23	LT	5	-	-	W GREEN ST SW QUAD
303+08	-	303+24	RT	5	-	-	W GREEN ST SE QUAD
303+50	-	303+74	LT	8	-	-	W GREEN ST NW QUAD
310+45	-	312+07	LT	36	-	-	CURB REPLACEMENT AREA
251+35	-	253+16	CL	-	-	950	MAINLINE
275+71	-	313+00	CL	-	-	15700	MAINLINE
282+24		INT/TURN LANE R	-	-	-	820	PLAZA DRIVE
287+87		INT LT	-	-	-	70	WEST SOUTH ST
292+44		INT RT	-	-	-	70	BOWEN ROAD
295+49		INT RT	-	-	-	105	E. FRONT ST
295+68		INT LT	-	-	-	123	W. FRONT ST
299+27		INT RT	-	-	-	80	2ND ST
303+37		INT LT	-	-	-	90	W GREEN ST
303+37		INT RT	-	-	-	70	W GREEN ST
312+48		INT LT	-	-	-	150	WILLOW ROAD
312+48		INT RT	-	-	-	120	WILLOW ROAD
ITEM TOTAL				155	780	18,348	

REMOVING CURB & GUTTER

				204.0150	REMARKS
				LF	
STATION	-	STATION	LOCATION		
275+31	-	275+56	LT	27	MATTHIAS ST NW QUAD
285+55	-	285+77	RT	22	CURB REPLACEMENT
287+57	-	287+76	LT	26	W SOUTH ST SOUTH SW QUAD
287+97	-	288+17	LT	23	W SOUTH ST NORTH NW QUAD
293+22	-	293+46	RT	24	DRIVEWAY ENTRANCE
295+35	-	295+52	LT	25	W FRONT STREET SW QUAD
295+61	-	295+94	RT	48	E FRONT STREET NE QUAD
295+83	-	296+12	LT	49	W FRONT STREET NW QUAD
298+96	-	299+13	RT	23	2ND STREET SE QUAD
299+45	-	299+65	RT	29	2ND STREET NE QUAD
299+99	-	300+26	LT	27	COMMUNITY CENTER CURB RAMP
302+32	-	302+58	LT	27	ST PAUL'S LUTHERAN CURB RAMP
300+06	-	303+23	LT	23	W GREEN STREET SW QUAD
303+08	-	303+24	RT	23	W GREEN STREET SE QUAD
303+50	-	303+74	LT	36	W GREEN STREET NW QUAD
310+45	-	312+07	LT	162	CURB REPLACEMENT
ITEM TOTAL				594	

REMOVING CONCRETE SIDEWALK

				204.0155	REMARKS
				SY	
STATION	-	STATION	LOCATION		
275+40	-	275+58	LT	7	MATTHAIS ST NW QUAD
287+50	-	287+71	LT	8	SOUTH ST SW QUAD
288+05	-	288+19	LT	5	SOUTH ST NW QUAD
295+33	-	295+48	LT	6	FRONT ST SW QUAD
295+65	-	295+90	RT	40	FRONT ST NE QUAD
295+85	-	296+06	LT	30	FRONT ST NW QUAD
298+97	-	299+09	RT	4	2ND ST SE QUAD
299+47	-	29,962	RT	7	2ND ST NE QUAD
300+05	-	300+20	LT	11	COMMUNITY CENTER
302+38	-	302+53	LT	12	ST PAUL'S CHURCH
303+06	-	303+18	LT	4	GREEN ST SW QUAD
303+10	-	303+20	RT	2	GREEN ST SE QUAD
303+53	-	303+74	LT	13	GREEN ST NW QUAD
ITEM TOTAL				149	

PREPARE FOUNDATION FOR ASPHALTIC PAVING
(PROJECT) 7837-03-71

				211.0100
				LS
STATION	TO	STATION	LOCATION	
251+35	-	253+16	MAINLINE	
275+71	-	313+00	MAINLINE	1
ITEM TOTAL				1

FINSHING ROADWAY

		213.0100
		EACH
ID 7837-03-71		1
ITEM TOTAL		1

BASE AGGREGATE DENSE 3/4-INCH

305.0110 BASE AGG DENSE 3/4-INCH					
STATION	-	STATION	LOCATION	TON	REMARKS
100+00	-	247+50	LT & RT	3,120	SHOULDERS
247+50	-	251+35	LT & RT	90	SHOULDERS
251+35	-	253+16	LT & RT	20	SHOULDERS
100+00	-	253+16	LT & RT	118	DRIVEWAYS
100+00	-	253+16	LT & RT	100	SIDE ROADS
305+98	-	313+00	RT	10	SHOULDERS
ITEM TOTAL				3,458	

BASE AGGREGATE DENSE 1 1/4-INCH

305.0120 BASE AGG DENSE 1 1/4-INCH					
STATION - STATION	LOCATION	TON	REMARKS		
275+31 - 275+55	LT	4	MATTHAIS ST NW QUAD		
285+55 - 285+78	RT	4	CURB REPLACEMENT		
287+57 - 287+76	LT	4	SOUTH ST SW QUAD		
287+99 - 288+18	LT	4	SOUTH ST NW QUAD		
293+23 - 293+47	RT	4	CURB REPLACEMENT		
295+35 - 295+52	LT	4	FRONT ST SW QUAD		
295+63 - 295+94	RT	8	FRONT ST NE QUAD		
295+83 - 296+12	LT	8	FRONT ST NW QUAD		
298+96 - 299+13	RT	4	2ND ST SE QUAD		
299+43 - 299+65	RT	4	2ND ST NE QUAD		
299+99 - 300+26	LT	4	COMMUNITY CENTER CURB RAMP		
302+32 - 302+59	LT	4	ST PAUL'S CHURCH CURB RAMP		
303+06 - 303+23	LT	4	GREEN ST SW CURB RAMP		
303+08 - 303+24	RT	4	GREEN ST SE CURB RAMP		
303+50 - 303+74	LT	4	GREEN ST NW CURB RAMP		
310+45 - 312+07	LT	25	CURB REPLACEMENT		
ITEM TOTAL		93			

SHAPING SHOULDERS

305.0500 SHAPING SHOULDERS					
STATION	-	STATION	LOCATION	STA	REMARKS
251+35	-	253+16	LT & RT	4	
305+98	-	313+00	RT	8	
ITEM TOTAL				12	

PULVERIZE AND RELAY

325.0100 PULVERIZE AND RELAY					
STATION - STATION	LOCATION	SY	REMARKS		
100+00 - 251+35	CL	40,280	MAINLINE		
100+75 - 101+75	RT	410	CTH N		
243+80 - 246+50	LT	275	FRONTAGE ROAD INTERSECTION		
ITEM TOTAL		40,970			

ASPHALTIC ITEMS

				455.0605	460.5223	460.5244	460.6223	460.6244	
				TACK	HMA PAVEMENT	HMA PAVEMENT	HMA PAVEMENT	HMA PAVEMENT	
STATION	-	STATION	LOCATION	COAT	3 LT 58-28 S	4 LT 58-34 S	3 MT 58-28 S	4 MT 58-34 S	REMARKS
				GAL	TON	TON	TON	TON	
100+00	-	247+50	CTH E	1,970	5500	4350	--	--	
247+50	-	251+35	CTH E	85	235	190	--	--	
251+35	-	253+16	CTH E	50	--	105	--	--	
275+71	-	285+00	CTH E	470	--	--	520	520	
285+00	-	313+00	CTH E	550	--	1220	--	--	
		CTH N	RT	20	60	45	--	--	
		EDDY ROAD	LT	5	15	10	--	--	
		BRIDGE ROAD	RT	5	15	10	--	--	
		AIRPORT RD	RT	5	13	10	--	--	
		OAK RD	LT	6	20	15	--	--	
		245+22 FRONTAGE RD	LT	15	40	30	--	--	
		PLAZA DR/RT TURN LANE	RT	40	--	--	90	90	
		W SOUTH ST	LT	5	--	10	--	--	
		BOWEN RD	RT	5	--	10	--	--	
		E FRONT ST	RT	5	--	12	--	--	
		W FRONT ST	LT	5	--	14	--	--	
		2ND ST	RT	5	--	10	--	--	
		W GREEN ST	LT	5	--	10	--	--	
		E GREEN ST	RT	5	--	10	--	--	
		W WILLOW RD	LT	7	--	13	--	--	
		E WILLOW RD	RT	5	--	16	--	--	
ITEM TOTALS				3,268	5,898	6,090	610	610	

NOTE: TACK WAS CALCULATED AT 0.05 GAL/SY APPLICATION RATE

ASPHALTIC SURFACE

465.0105 ASPHALTIC SURFACE					
STATION	-	STATION	LOCATION	TON	REMARKS
275+31	-	275+55	LT	2	MATTHAIS ST NW QUAD
285+55	-	285+78	RT	2	CURB REPLACEMENT
287+57	-	287+76	LT	2	SOUTH ST SW QUAD
287+99	-	288+18	LT	2	SOUTH ST NW QUAD
293+23	-	293+47	RT	2	CURB REPLACEMENT
295+35	-	295+52	LT	2	FRONT ST SW QUAD
295+63	-	295+94	RT	4	FRONT ST NE QUAD
295+83	-	296+12	LT	4	FRONT ST NW QUAD
298+96	-	299+13	RT	2	2ND ST SE QUAD
299+43	-	299+65	RT	4	2ND ST NE QUAD
299+99	-	300+26	LT	2	COMMUNITY CENTER CURB RAMP
302+32	-	302+59	LT	2	ST PAUL'S CHURCH CURB RAMP
303+06	-	303+23	LT	2	GREEN ST SW CURB RAMP
303+08	-	303+24	RT	2	GREEN ST SE CURB RAMP
303+50	-	303+74	LT	4	GREEN ST NW CURB RAMP
310+45	-	312+07	LT	12	CURB REPLACEMENT
UNDISTRIBUTED			PROJECT	10	
ITEM TOTAL				60	

ASPHALTIC SURFACE PATCHING

465.0110 ASPHALTIC SURFACE PATCHING					
STATION	-	STATION	LOCATION	TON	REMARKS
251+35	-	313+00	UNDISTRIBUTED	25	
ITEM TOTAL				25	

NOTE: ASPHALTIC SURFACE PATCHING IS USED FOR MINOR REPAIRS SUCH AS
POP-OUTS, POT HOLES, OR RAMPING.

CONCRETE SIDEWALK

602.0405 4-INCH				
STATION	LOCATION	SF	REMARKS	
275+58	LT	82	MATTHAIS ST NW QUAD	
287+51	LT	95	SOUTH ST SW QUAD	
288+18	LT	63	SOUTH ST NW QUAD	
295+33	LT	67	FRONT ST SW QUAD	
295+63	RT	356	FRONT ST NE QUAD	
296+06	LT	292	FRONT ST NW QUAD	
298+97	RT	55	2ND ST SE QUAD	
299+62	RT	75	2ND ST NE QUAD	
300+05	LT	108	COMMUNITY CENTER CURB RAMP	
302+38	LT	116	ST PAUL'S CHURCH CURB RAMP	
303+06	LT	51	GREEN ST SW QUAD	
303+10	RT	43	GREEN ST SE QUAD	
303+74	LT	172	GREEN ST NW QUAD	
ITEM TOTAL		1,575		

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

465.0120 ASPHALTIC SURFACE DWY'S AND FIELD ENT.					
STATION	-	STATION	LOCATION	TON	REMARKS
129+34	-	130+09	RT	22	ST. PAULS CHURCH
ITEM TOTAL				22	

CONCRETE CURB & GUTTER

601.0411 30-INCH Type D				
STATION - STATION	LOCATION	LF	REMARKS	
275+31 - 275+55	LT	28	MATTHAIS ST NW QUAD	
285+55 - 285+78	RT	23	CURB REPLACEMENT	
287+57 - 287+76	LT	27	SOUTH ST SW QUAD	
287+99 - 288+18	LT	27	SOUTH ST NW QUAD	
293+23 - 293+47	RT	24	CURB REPLACEMENT	
295+35 - 295+52	LT	25	FRONT ST SW QUAD	
295+63 - 295+94	RT	50	FRONT ST NE QUAD	
295+83 - 296+12	LT	39	FRONT ST NW QUAD	
298+96 - 299+13	RT	27	2ND ST SE QUAD	
299+43 - 299+65	RT	32	2ND ST NE QUAD	
299+99 - 300+26	LT	27	COMMUNITY CENTER CURB RAMP	
302+32 - 302+59	LT	27	ST PAUL'S CHURCH CURB RAMP	
303+06 - 303+23	LT	26	GREEN ST SW CURB RAMP	
303+08 - 303+24	RT	26	GREEN ST SE CURB RAMP	
303+50 - 303+74	LT	39	GREEN ST NW CURB RAMP	
310+45 - 312+07	LT	163	CURB REPLACEMENT	
ITEM TOTAL		610		

CURB RAMP DETECTABLE WARNING FIELD

602.0505 YELLOW			
STATION	LOCATION	SF	REMARKS
275+58	LT	16	MATTHAIS ST NW QUAD
287+51	LT	8	SOUTH ST SW QUAD
288+18	LT	8	SOUTH ST NW QUAD
295+33	LT	8	FRONT ST SW QUAD
295+63	RT	10	FRONT ST NE QUAD
296+06	LT	10	FRONT ST NW QUAD
298+97	RT	8	2ND ST SE CURB RAMP
299+62	RT	16	2ND ST NE CURB RAMP
300+05	LT	16	COMMUNITY CENTER CURB RAMP
302+38	LT	16	ST PAUL'S CHURCH CURB RAMP
303+06	LT	8	GREEN STREET SW CURB RAMP
303+10	RT	8	GREEN ST SE QUAD
303+74	LT	10	GREEN ST NW QUAD
ITEM TOTAL		142	

MAINTENANCE AND REPAIR OF HAUL ROADS
(PROJECT) 7837-03-71

LOCATION	618.0100 EACH	REMARKS
ID 7837-03-71	1	CATEGORY 0030
ITEM TOTAL	1	

MOBILIZATION

	619.1000 EACH
ID 7837-03-71	1
ITEM TOTAL	1

MOBILIZATIONS EROSION CONTROL

	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
ID 7837-03-71	1	1
ITEM TOTALS	1	1

RESTORATION ITEMS							
STATION - STATION	LOCATION	625.0100 TOPSOIL	628.2006 E MAT URBAN CL1 TYPE A	629.0210 FERTILIZER TYPE B	630.014 SEEDING MIXTURE NO. 40	REMARKS	
		SY	SY	CWT	LB		
275+35 - 275+58	LT	9	9	--	--	MATTHAIS ST NW QUAD	
285+55 - 285+78	RT	5	5	--	--	CURB REPLACEMENT	
287+51 - 287+71	LT	11	11	--	--	SOUTH ST SW QUAD	
288+04 - 288+18	LT	7	7	--	--	SOUTH ST NW QUAD	
293+23 - 293+47	RT	5	5	--	--	CURB REPLACEMENT	
295+35 - 295+52	LT	8	8	--	--	FRONT ST SW QUAD	
295+65 - 295+90	RT	3	3	--	--	CURB REPLACEMENT	
298+97 - 299+09	RT	7	7	--	--	2ND ST SE QUAD	
299+46 - 299+62	RT	7	7	--	--	2ND ST NE QUAD	
302+32 - 302+58	LT	7	7	--	--	CURB REPLACEMENT	
299+99 - 300+25	LT	15	15	--	--	CURB REPLACEMENT	
303+06 - 303+18	LT	7	7	--	--	W GREEN ST SW QUAD	
303+10 - 303+20	RT	5	5	--	--	W GREEN ST SE QUAD	
303+33 - 303+75	LT	7	7	--	--	W GREEN ST NW QUAD	
310+44 - 312+07	LT	54	54	--	--	CURB REPLACEMENT	
271+75 - 313+00	LT AND RT	--	--	1	10	PROJECT	
ITEM TOTAL		157	157	1	10		

INLET PROTECTION TYPE C

STATION	LOCATION	628.7015 EACH	REMARKS
275+71	LT	1	
281+10	LT & RT	2	
281+85	RT	1	
282+56	LT	1	
283+61	LT & RT	2	
286+21	LT & RT	2	
289+29	LT	1	
289+47	RT	1	
289+84	LT	1	
294+25	LT & RT	2	
298+94	rt	1	
285+86	RT	1	
303+05	LT	1	
308+18	LT	1	
312+19	LT	1	
ITEM TOTAL		19	

WATER

STATION - STATION	LOCATION	624.0100 WATER MGAL
UNDISTRIBUTED	--	61
ITEM TOTAL		61

FIELD OFFICE TYPE B

LOCATION	642.5001 EACH
PROJECT	1
ITEM TOTAL	1

TRAFFIC CONTROL

LOCATION	643.5000 TRAFFIC CONTROL EACH	643.0300 DRUMS DAYS	643.0900 SIGNS DAYS	643.0410 BARRICADES TYPE II DAYS	REMARKS
7837-03-71	1	500	2100	100	
ITEM TOTALS	1	500	2,100	100	

QUANTITIES BASED ON 71 CALENDAR DAYS
ASSUMED 10 CALANDER DAYS FOR CURB AND SIDEWALK REPAIRS

SIGNING ITEMS										
SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE	638.2602	638.3000	637.2210	637.2230	634.0616	REMARKS
					REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X6X16 EACH	
101	100+59	RT	J13-2	48 x 45	--	--	15.00	--	1	JUNCTION MARKER CTH E/CTH N
101R	100+59	RT			4	1	--	--	--	JUNCTION MARKER CTH E/CTH N
102	101+13	LT	W1-7	48 x 24	--	--	--	8.00	1	NIGHT ARROW (DOUBLE)
102R	101+13	LT			1	1	--	--	--	NIGHT ARROW (DOUBLE)
103	101+44	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
103R	101+44	RT			1	1	--	--	--	STOP
104	101+48	RT	J13-2	48 x 45	--	--	15.00	--	1	JUNCTION MARKER CTH E/CTH N
104R	101+48	RT			4	1	--	--	--	JUNCTION MARKER CTH E/CTH N
105	101+72	LT	J13-2	48 x 45	--	--	15.00	--	1	JUNCTION MARKER CTH E/CTH N
105R	101+72	LT			4	1	--	--	--	JUNCTION MARKER CTH E/CTH N
106	110+52	LT	J1-1	24 x 39	--	--	6.50	--	1	CTH E ROUTE MARKER
106R	110+52	LT			2	1	--	--	--	CTH E ROUTE MARKER
111	153+88	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
111R	153+88	LT			1	1	--	--	--	STOP
112	154+30	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
112R	154+30	RT			1	1	--	--	--	STOP
121	206+73	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
121R	206+73	LT			1	1	--	--	--	STOP
122	207+16	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
122R	207+16	RT			1	1	--	--	--	STOP
131	225+26	RT	W3-5	36 x 36	--	--	--	9.00	1	SPEED LIMIT 45 MPH AHEAD
131R	225+26	RT			2	1	--	--	--	SPEED REDUCTION AHEAD, 45 MPH
132	232+64	LT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 55
132R	232+64	LT			1	1	--	--	--	SPEED LIMIT 55
133	232+68	RT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 45
133R	232+68	RT			1	1	--	--	--	SPEED LIMIT 45
141	244+95	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
141R	244+95	LT			1	1	--	--	--	STOP
151	250+56	LT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 45
151R	250+56	LT			1	1	--	--	--	SPEED LIMIT 45
152	250+54	RT	J1-1	24 x 39	--	--	6.50	--	1	JUNCTION MARKER STH 29
152R	250+54	RT			2	1	--	--	--	JUNCTION MARKER STH 29
153	251+41	LT	R4-7	24 x 30	--	--	5.00	--	1	KEEP RIGHT
153R	251+41	LT			1	1	--	--	--	KEEP RIGHT
154	251+96	LT	R5-1	30 x 30	--	--	6.25	--	1	DO NOT ENTER
154R	251+96	LT			1	1	--	--	--	DO NOT ENTER
155	251+96	LT	W6-3	36 x 36	--	--	--	9.00	--	TWO WAY TRAFFIC
155R	251+96	LT			1	--	--	--	--	TWO WAY TRAFFIC
ITEM TOTALS					CONTINUED					

SIGNING ITEMS										
SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE	638.2602	638.3000	637.2210	637.2230	634.0616	REMARKS
					REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 4X6X16 EACH	
161	275+26	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
161R	275+26	RT			1	1	--	--	--	STOP
162	275+77	RT	R7-1D	18 x 24	--	--	3.00	--	1	NO PARKING ANYTIME
162R	275+77	RT			1	1	--	--	--	NO PARKING ANYTIME
163	275+98	RT	S3-1	30 x 30	--	--	--	6.25	1	SCHOOL BUS STOP AHEAD
163R	275+98	RT			1	1	--	--	--	SCHOOL BUS STOP AHEAD
164	277+08	LT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 30
164R	277+08	LT			1	1	--	--	--	SPEED LIMIT 30
165	277+13	RT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 30
165R	277+13	RT			1	1	--	--	--	SPEED LIMIT 30
171	282+52	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
171R	282+52	RT			1	1	--	--	--	STOP
172	283+88	RT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 30
172R	283+88	RT			1	1	--	--	--	SPEED LIMIT 30
181	292+64	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
181R	292+64	RT			1	1	--	--	--	STOP
182	293+26	RT	R7-1D	18 x 24	--	--	3.00	--	1	NO PARKING ANYTIME
182R	293+26	RT			1	1	--	--	--	NO PARKING ANYTIME
183	295+24	RT	R5-2	24 x 24	--	--	4.00	--	1	NO TRUCKS
183R	295+24	RT			1	1	--	--	--	NO TRUCKS
184	295+47	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
184R	295+47	LT			1	1	--	--	--	STOP
185	295+66	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
185R	295+66	RT			1	1	--	--	--	STOP
191	299+49	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
191R	299+49	RT			1	1	--	--	--	STOP
192	301+83	RT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 30
192R	301+83	RT			1	1	--	--	--	SPEED LIMIT 30
193	302+56	LT	R7-8A	12 x 18	--	--	1.50	--	1	HANDICAPPED PARKING
193R	302+56	LT			1	1	--	--	--	HANDICAPPED PARKING
194	303+18	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
194R	303+18	LT			1	1	--	--	--	STOP
195	303+55	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
195R	303+55	RT			1	1	--	--	--	STOP
201	307+87	LT	R2-1	24 x 30	--	--	5.00	--	1	SPEED LIMIT 30
201R	307+87	LT			1	1	--	--	--	SPEED LIMIT 30
211	311+99	LT	S3-1	30 x 30	--	--	--	6.25	1	SCHOOL BUS STOP AHEAD
211R	311+99	LT			1	1	--	--	--	SCHOOL BUS STOP AHEAD
212	312+27	LT	R1-1	30 x 30	--	--	5.18	--	1	STOP
212R	312+27	LT			1	1	--	--	--	STOP
213	312+65	RT	R1-1	30 x 30	--	--	5.18	--	1	STOP
213R	312+65	RT			1	1	--	--	--	STOP
214	104+41	RT	W14-3	48 x 36	--	--	--	6.00	1	NO PASSING ZONE
215	118+74	LT	W14-3	48 x 36	--	--	--	6.00	1	NO PASSING ZONE
216	171+79	LT	W14-3	48 x 36	--	--	--	6.00	1	NO PASSING ZONE
217	183+98	RT	W14-3	48 x 36	--	--	--	6.00	1	NO PASSING ZONE
218	216+59	LT	W14-3	48 x 36	--	--	--	6.00	1	NO PASSING ZONE
ITEM TOTALS					52	39	203.63	68.50	44	

MARKING ITEMS

STATION	-	STATION	LOCATION	646.1020 EPOXY 4-INCH		646.712 DIAGONAL EPOXY 12-INCH	648.0100 LOCATING NO-PASSING ZONES
				WHITE LF	YELLOW LF	YELLOW LF	MI
100+00	-	253+16	CL		15,316		2.90
100+00	-	253+16	LT & RT	30,632			
248+95	-	251+36	LT GORE		964		
	101+21		RT	40	20		
249+56	-	251+36	LT			53	
275+71	-	313+00	CL		7458		
306+07	-	312+13	RT	606			
ITEM TOTALS				31,278	23,758	53	2.90
				55,036			

CONSTRUCTION STAKING ITEMS

				650.8000	650.9910	650.5500
				RESURFACING	SUPPLEMENTAL	CURB &
STATION	-	STATION	LOCATION	REFERENCE	CONTROL	GUTTER
				LF	LS	LF
100+00	-	253+16	MAINLINE	15,316	--	--
275+71	-	313+00	MAINLINE	3,729	--	--
275+71	-	313+00	LT AND RT	--	--	610
PROJECT				--	1	--
TOTALS				19,045	1	610

SAWING ITEMS

STATION	LOCATION	690.0150 ASPHALT	690.025 CONCRETE	REMARKS
		LF	LF	
100+00	CL	24	--	BEGINNING OF PROJECT
101+10 - 101+36	RT	26	--	CTH N
129+34 - 130+09	RT	75	--	ST PAUL'S CHURCH PARKING LOT
245+24	LT	30	--	FRONTAGE ROAD
282+06	RT	36	--	PLAZA DR
283+00	LT	23	--	BEGIN BASE PATCHING TRANSVERSE
295+50 - 295+82	LT	32	--	W FRONT STREET
303+24 - 303+51	RT	27	--	E GREEN STREET
313+00	CL	28	--	END OF PROJECT
275+31 - 275+55	LT	34	9	MATTHAIS ST CURB & SIDEWALK
283+00 - 285+00	LT	244	--	ASPHALTIC LANE REPAIR AREA
285+55 - 285+78	RT	29	5	CURB REPLACEMENT
287+57 - 287+76	LT	36	9	SOUTH ST CURB & SIDEWALK
287+99 - 288+18	LT	32	9	SOUTH ST CURB & SIDEWALK
293+23 - 293+47	RT	28	5	CURB REPLACEMENT
295+35 - 295+52	LT	32	9	FRONT ST CURB & SIDEWALK
295+63 - 295+94	RT	57	54	FRONT ST CURB & SIDEWALK
295+83 - 296+12	LT	59	31	FRONT ST CURB & SIDEWALK
298+96 - 299+13	RT	35	9	2ND ST CURB & SIDEWALK
299+43 - 299+65	RT	39	9	2ND ST CURB & SIDEWALK
299+99 - 300+26	LT	31	19	COMMUNITY CENTER CURB & SIDEWALK
302+32 - 302+59	LT	31	20	ST PAUL'S CHURCH CURB & SIDEWALK
303+06 - 303+23	LT	33	9	GREEN ST CURB & SIDEWALK
303+08 - 303+24	RT	33	9	GREEN ST CURB & SIDEWALK
303+50 - 303+74	LT	46	13	GREEN ST CURB & SIDEWALK
310+45 - 312+07	LT	169	5	CURB REPLACEMENT
ITEM TOTALS		1,269	224	

ADJUSTING ITEMS							
STATION	LOCATION	611.0624	611.8100	611.8120.S	SPV.0060.01	SPV.0060.02	REMARKS
		INLET COVERS TYPE H	ADJUSTING MANHOLE COVERS EACH	COVER PLATES TEMPORARY EACH	ADJUSTING SANITARY MANHOLE COVERS EACH	ADJUSTING WATER GATE VALVE BOXES EACH	
276+80	LT	--	--	1	1	--	CATEGORY 0020
282+23	RT	--	1	1	--	--	CATEGORY 0010
282+30	RT	--	--	--	--	1	CATEGORY 0020
282+72	LT	--	--	1	1	--	CATEGORY 0020
284+85	LT	--	--	1	1	--	CATEGORY 0020
287+81	RT	--	--	--	--	1	CATEGORY 0020
287+75	LT	1	--	--	--	--	CATEGORY 0010
287+83	RT	--	--	--	--	1	CATEGORY 0020
287+91	LT	--	--	1	1	--	CATEGORY 0020
291+63	LT	--	--	1	1	--	CATEGORY 0020
292+43	RT	--	--	--	--	1	CATEGORY 0020
295+17	RT	--	--	--	--	1	CATEGORY 0020
295+55	LT	--	--	--	--	1	CATEGORY 0020
295+61	LT	--	--	1	1	--	CATEGORY 0020
295+86	RT	1	--	--	--	--	CATEGORY 0010
298+96	RT	--	--	--	--	1	CATEGORY 0020
299+18	RT	--	--	--	--	1	CATEGORY 0020
299+49	LT	--	--	1	1	--	CATEGORY 0020
299+62	RT	--	--	--	--	1	CATEGORY 0020
303+31	LT	--	--	--	--	1	CATEGORY 0020
303+42	LT	--	--	1	1	--	CATEGORY 0020
303+74	RT	--	--	--	--	1	CATEGORY 0020
307+42	LT	--	--	1	1	--	CATEGORY 0020
311+25	LT	--	--	1	1	--	CATEGORY 0020
311+38	RT	--	--	--	--	1	CATEGORY 0020
312+37	RT	--	--	--	--	1	CATEGORY 0020
ITEM TOTAL		2	1	11	10	13	

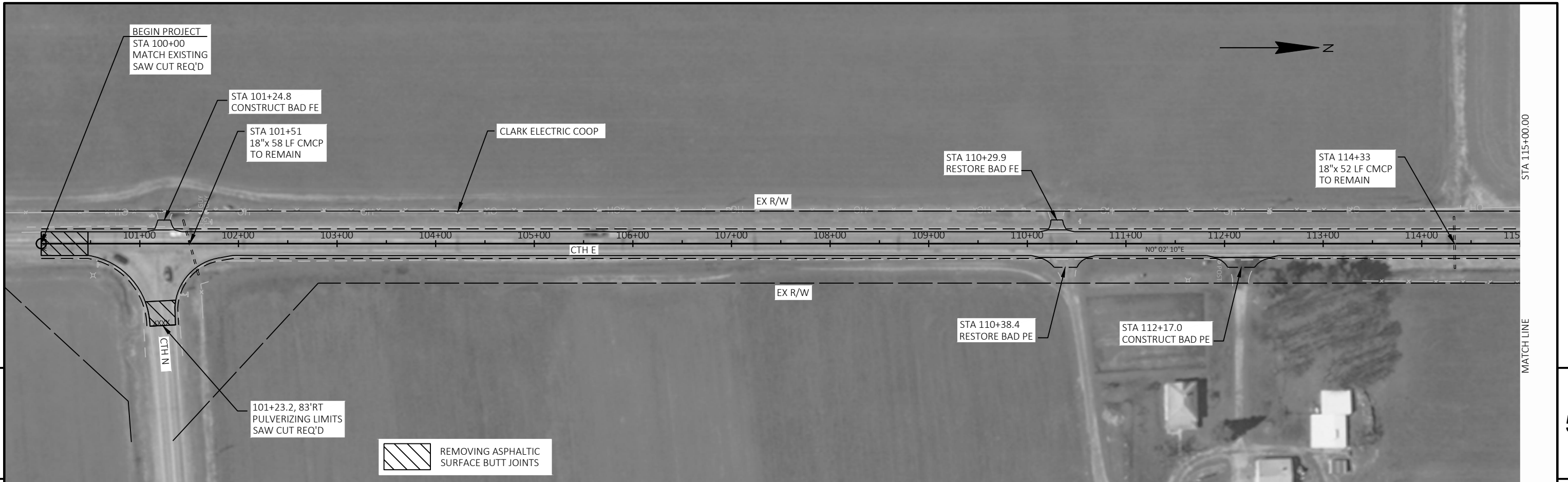
NOTE: CATEGORY 0010 INCLUDES STORM SEWER UTILITIES. CATEGORY 0020 INCLUDES SANITARY MANHOLES

SPECIAL 01. REMOVING ASPHALTIC SURFACE MILLING LANE REPAIR

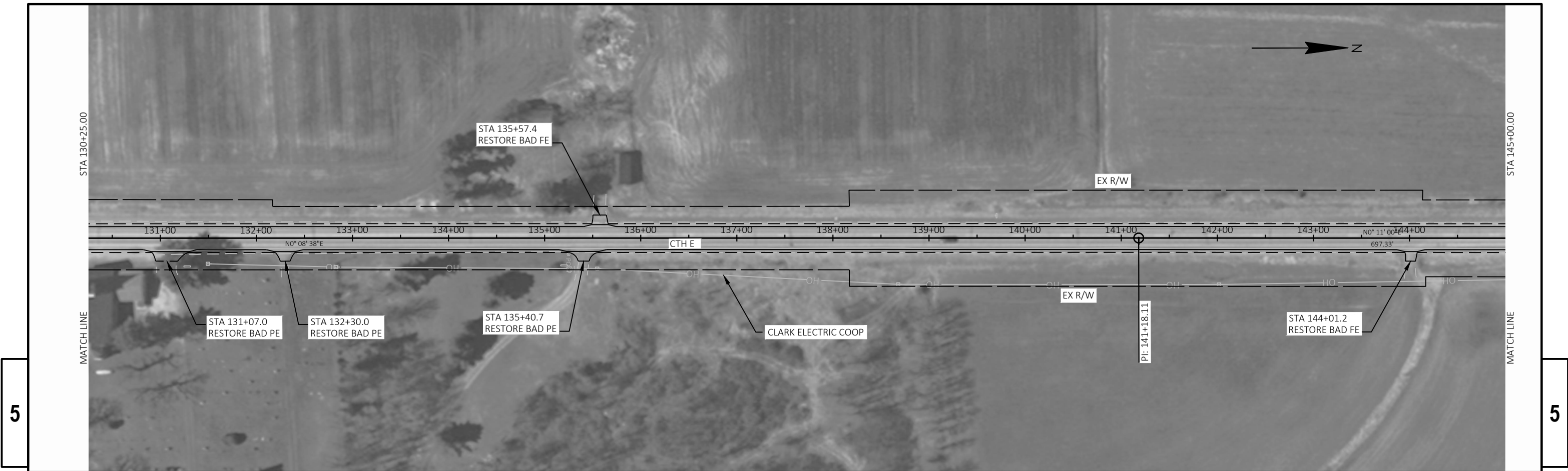
SPV.0180.01 REMOVING ASPHALTIC SURFACE MILLING LANE REPAIR					
STATION	-	STATION	LOCATION	SY	REMARKS
283+00	-	285+00	LT	500	LANE REPAIR AREA
ITEM TOTAL				500	

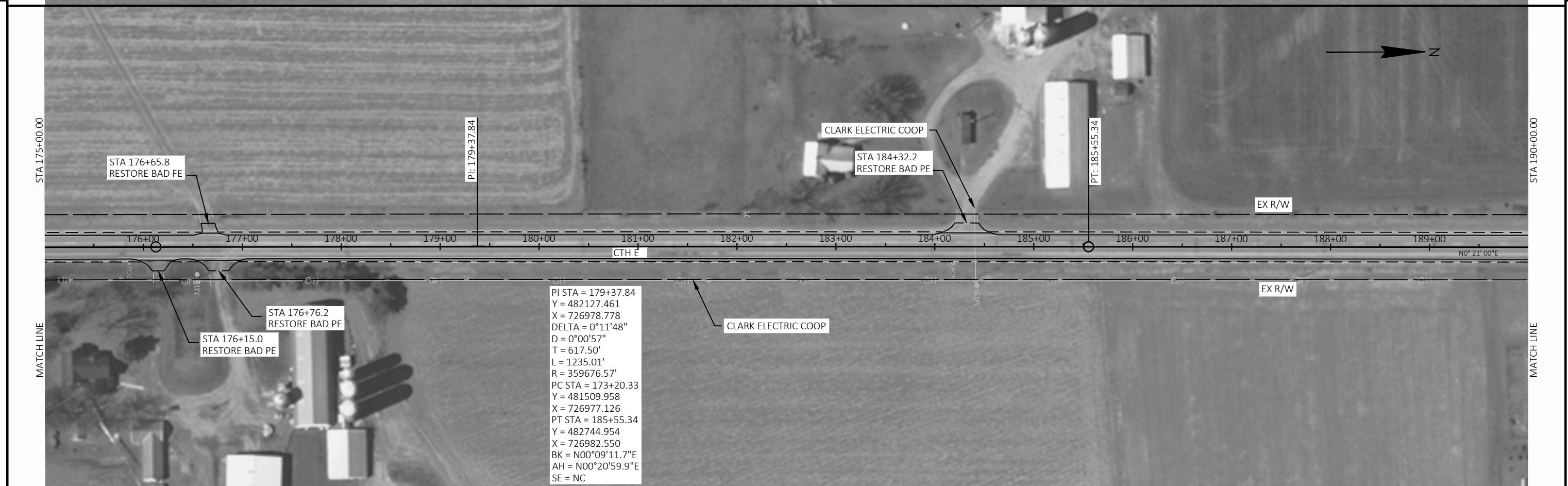
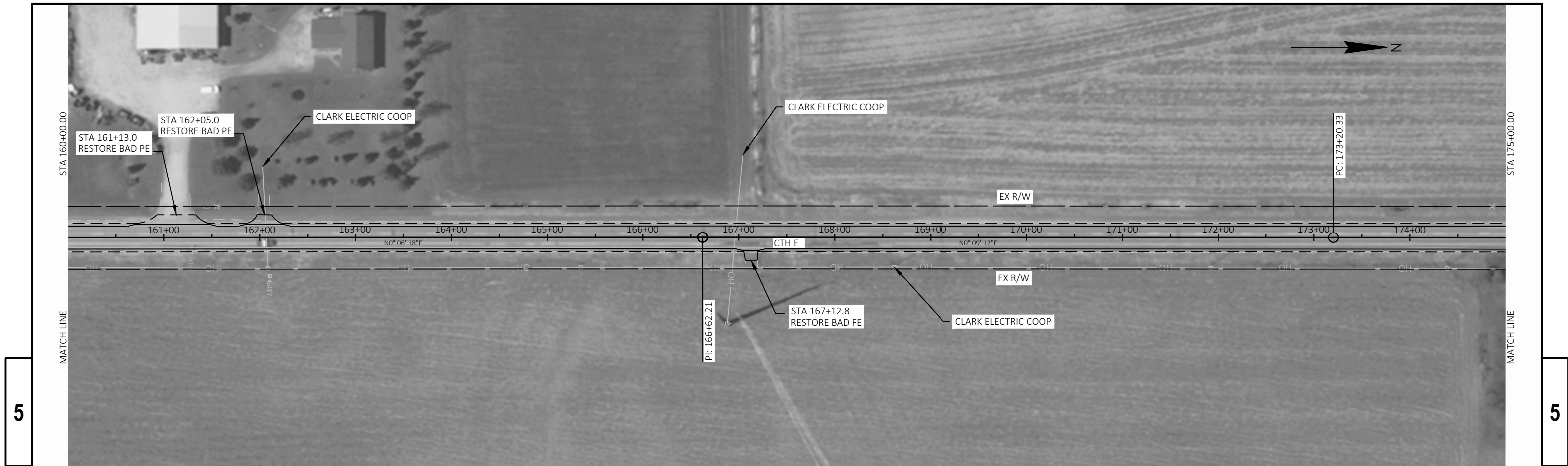
SPECIAL 01. ASPHALTIC LANE REPAIR

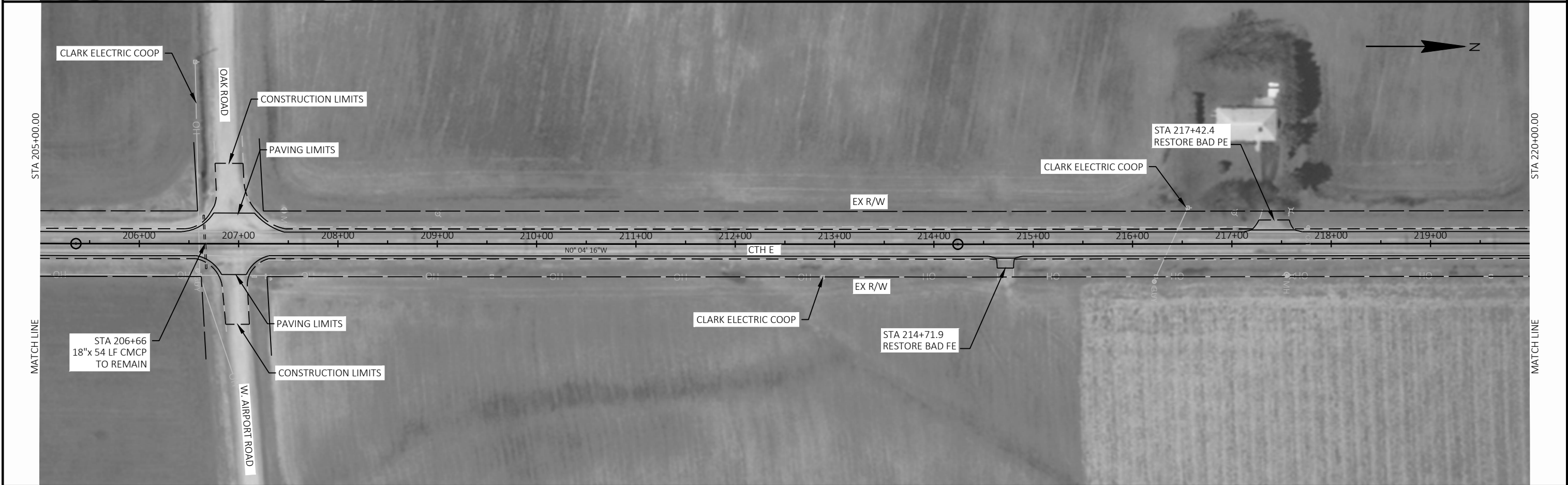
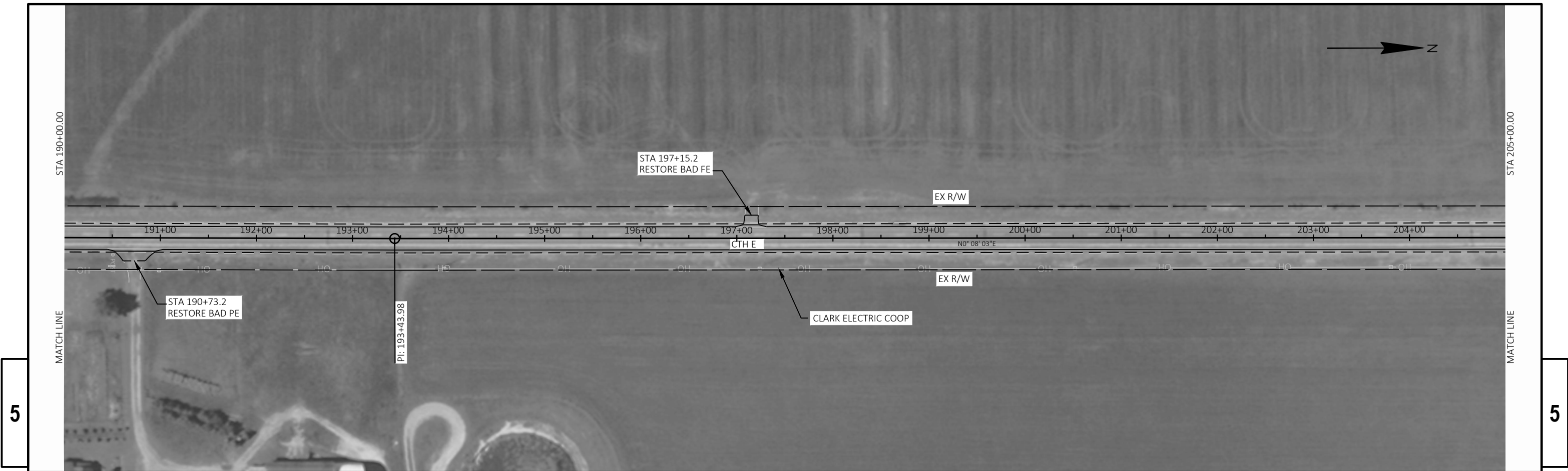
SPV.0195.01 ASPHALTIC LANE REPAIR					
STATION	-	STATION	LOCATION	TON	REMARKS
283+00	-	285+00	LT	110	LANE REPAIR AREA
ITEM TOTAL				110	



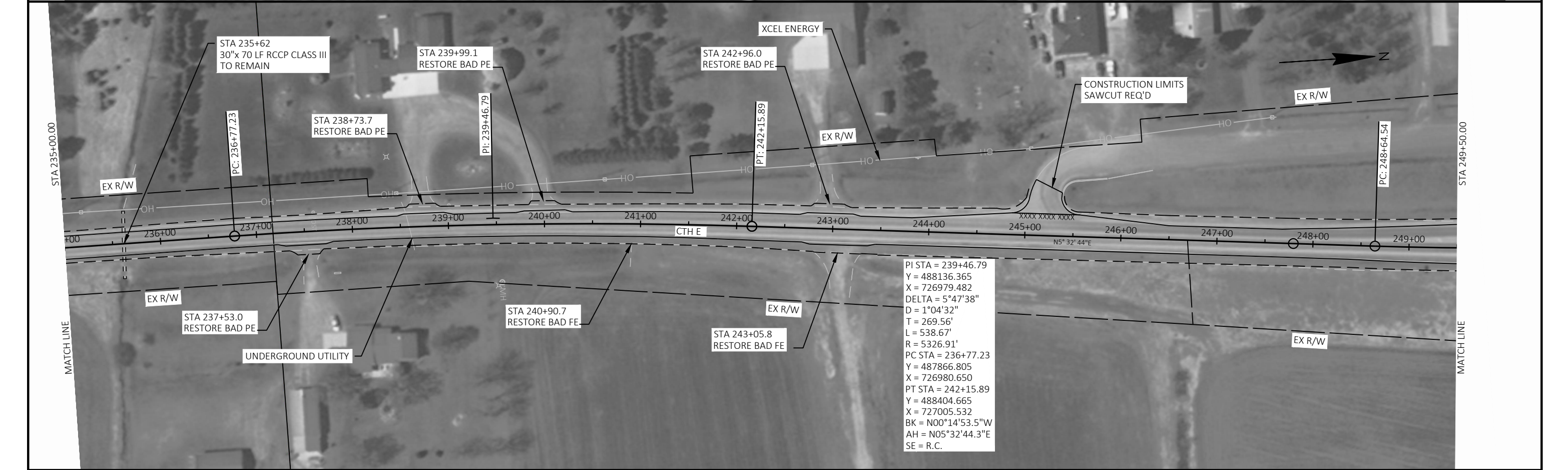
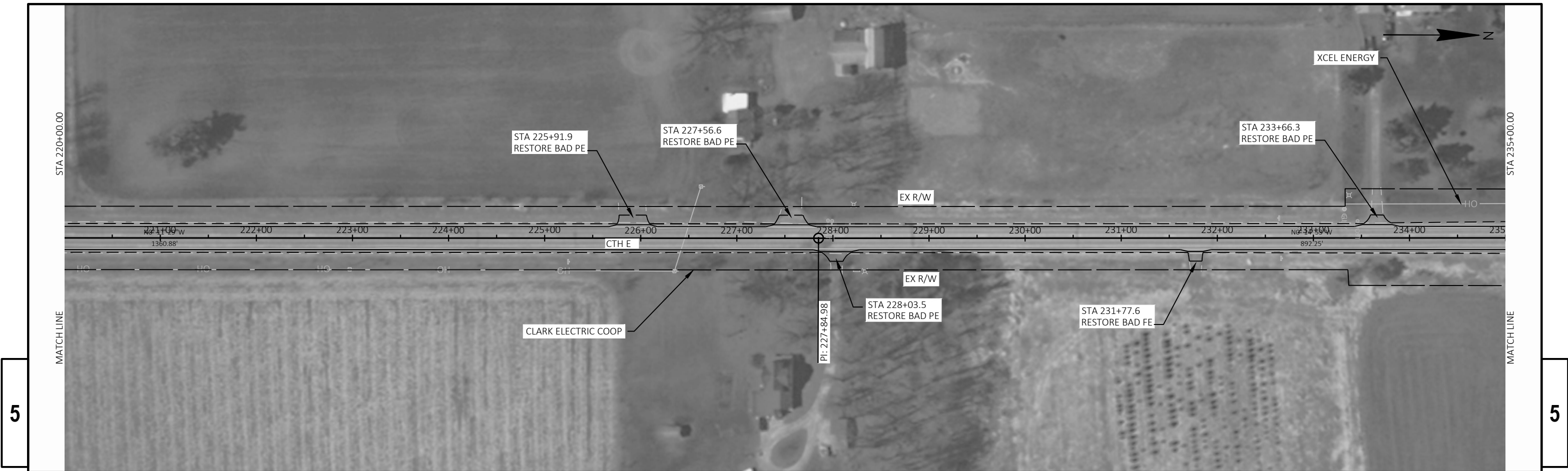
PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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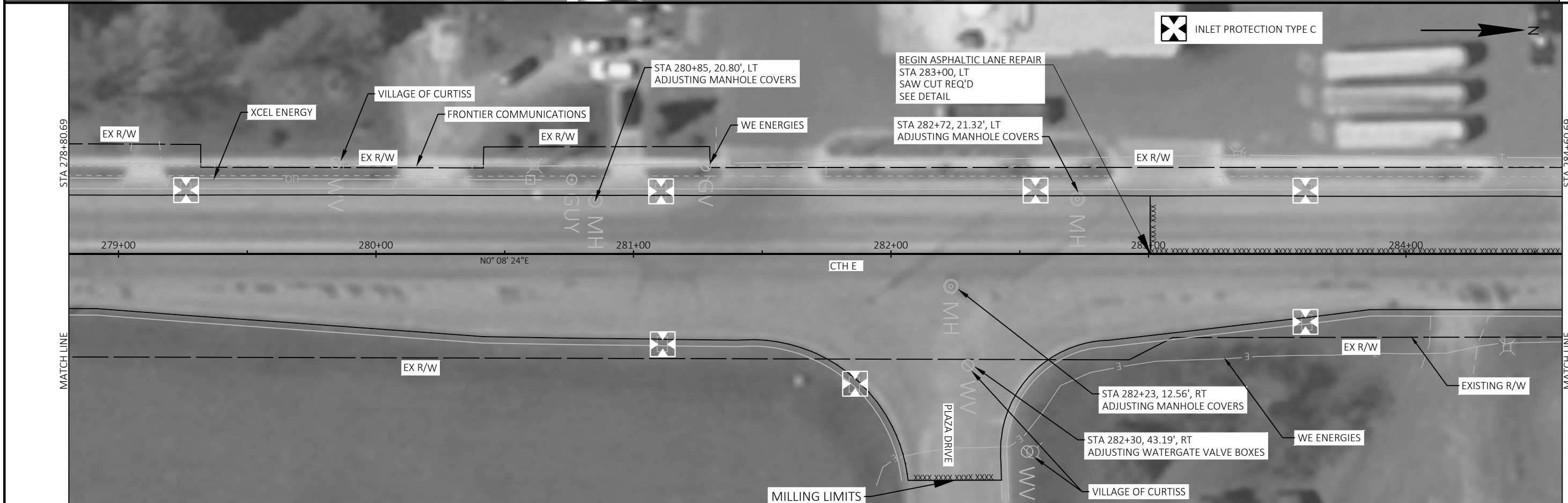
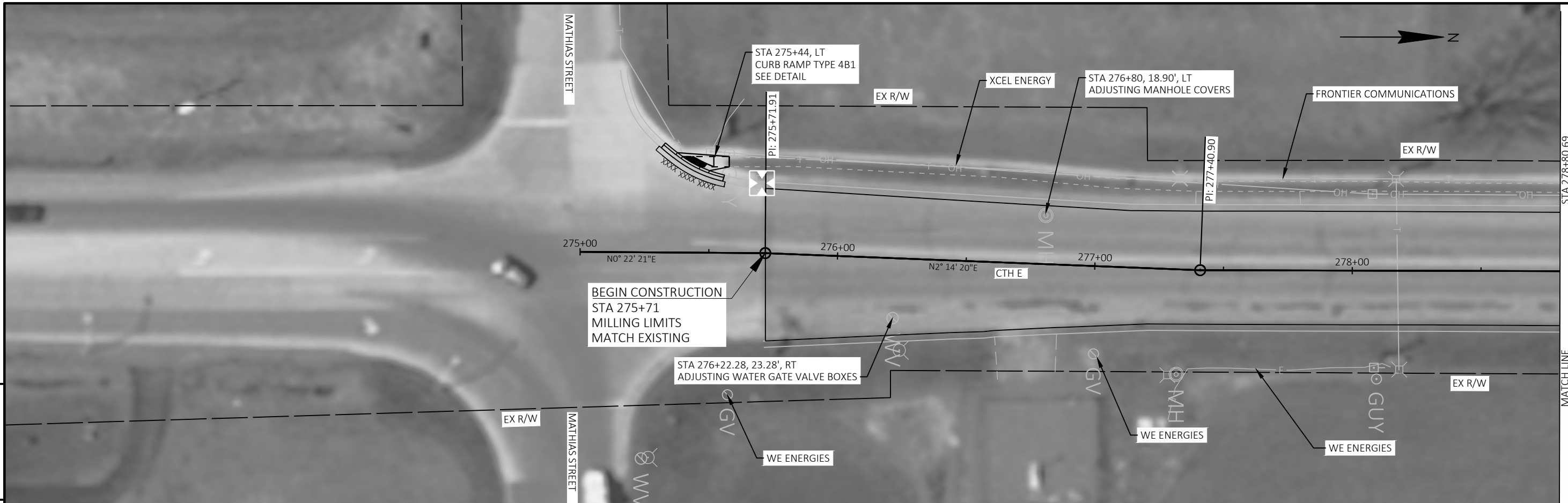


PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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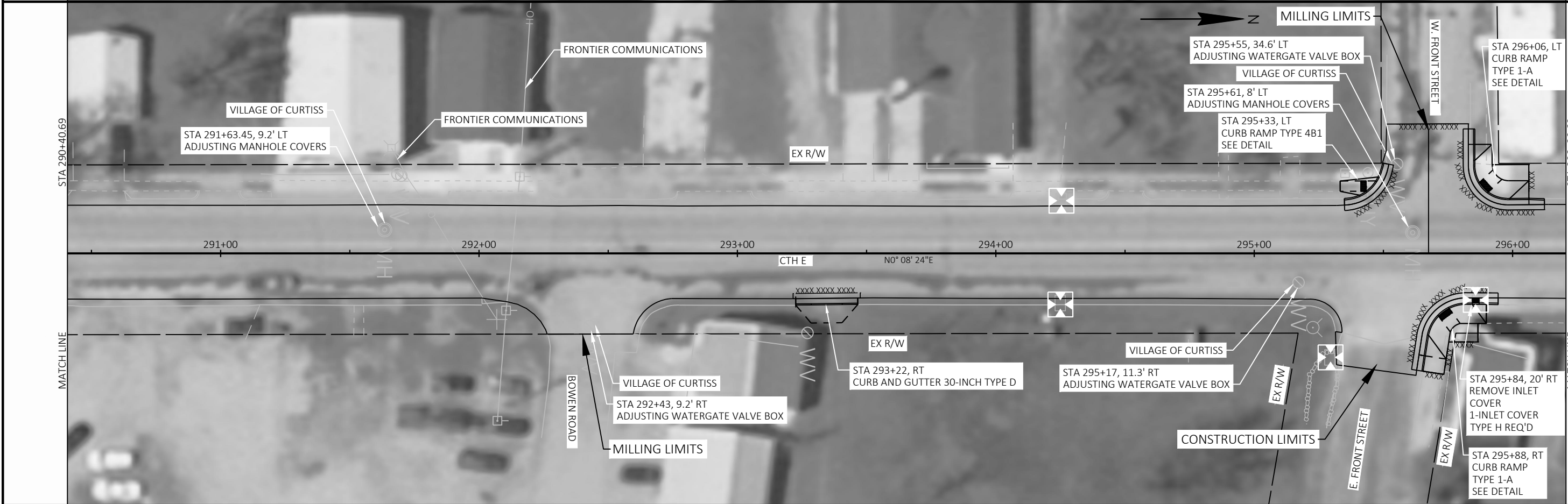
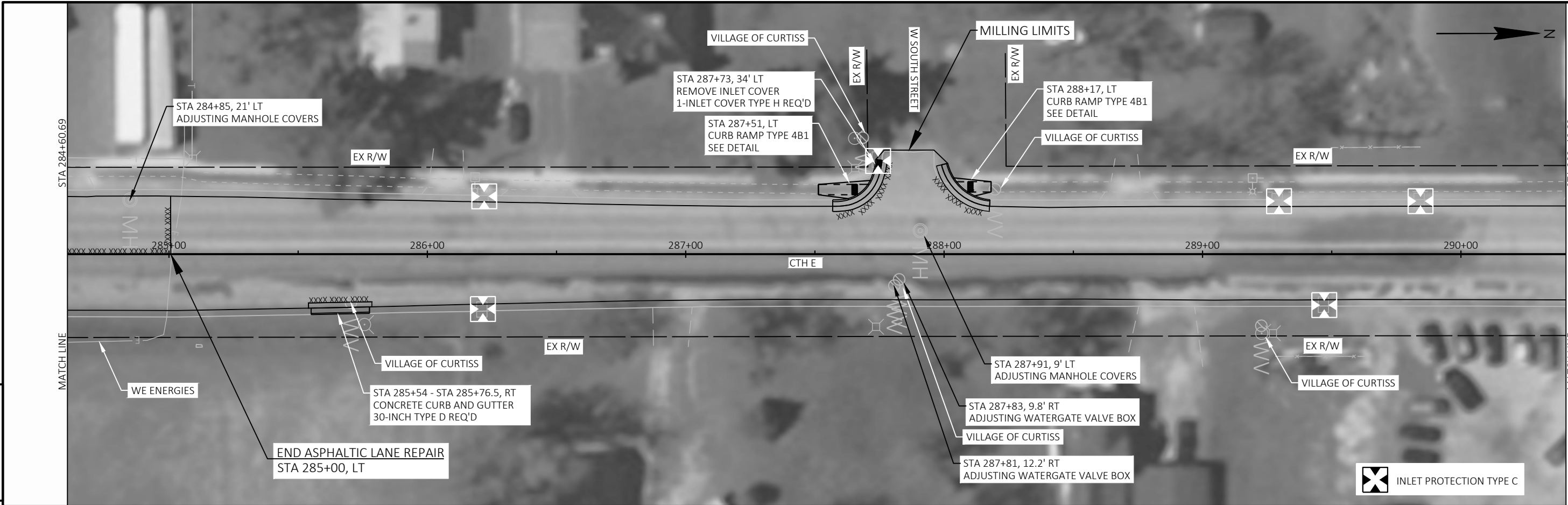


PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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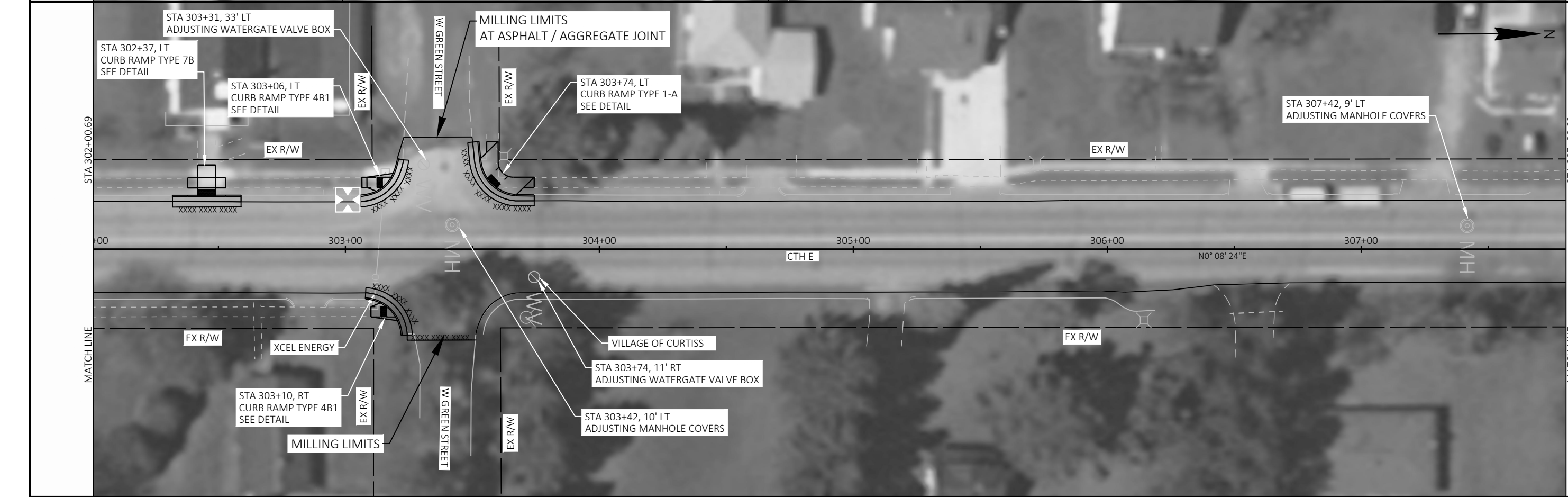
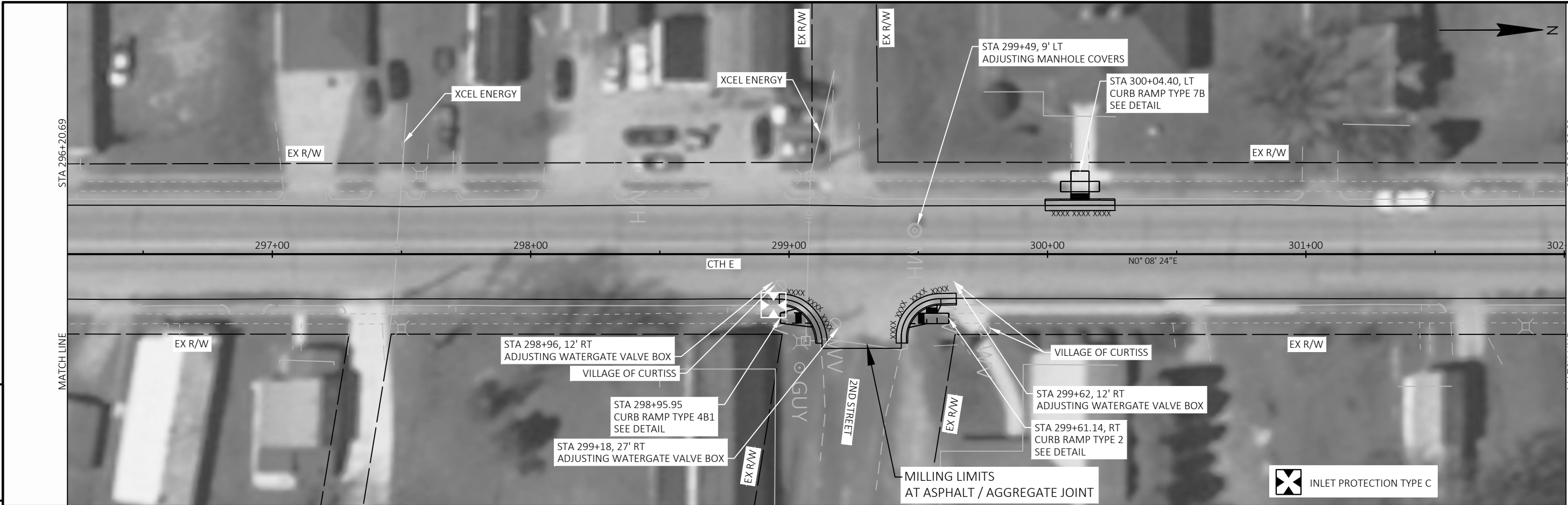




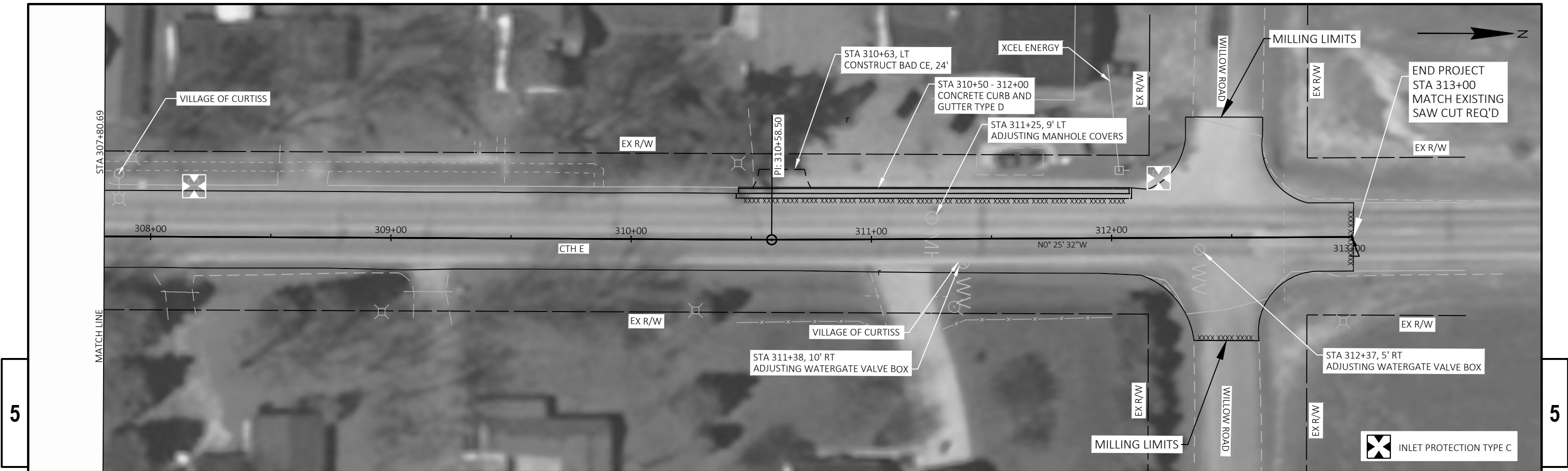
PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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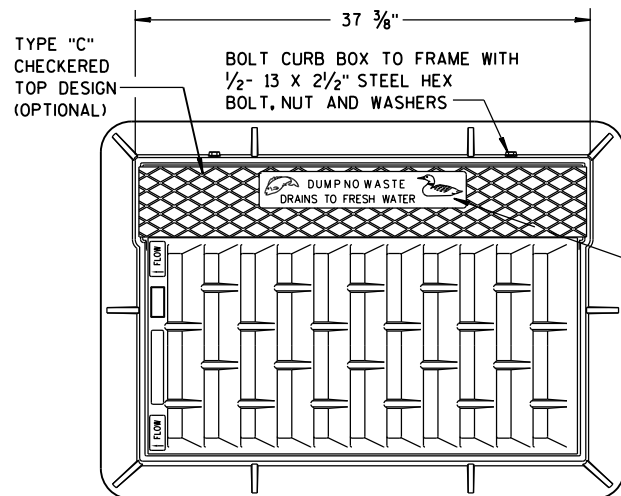


PROJECT NO: 7837-03-71	HWY: CTH E	COUNTY: CLARK	PLAN	SHEET	E
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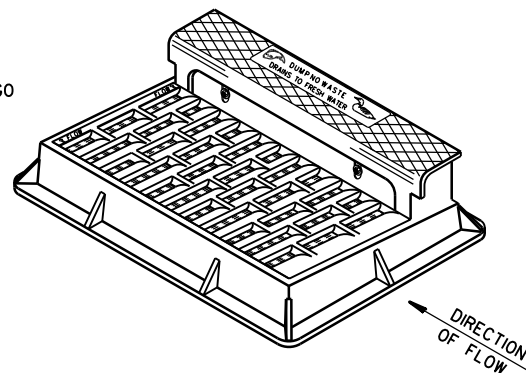


Standard Detail Drawing List

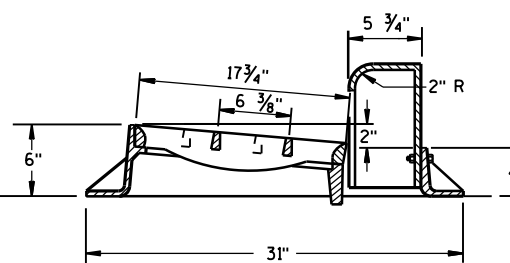
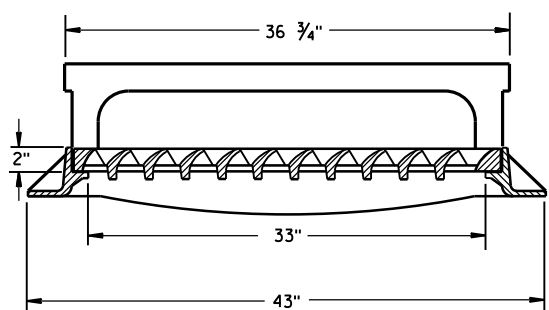
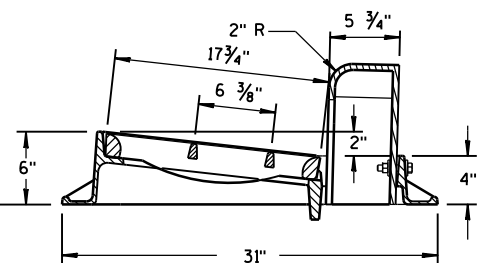
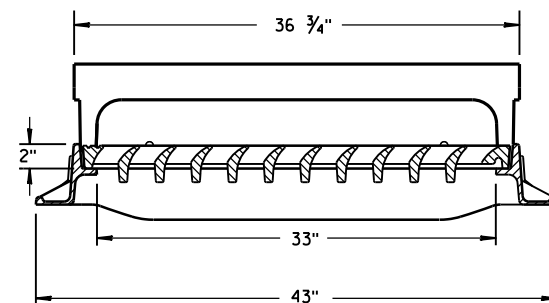
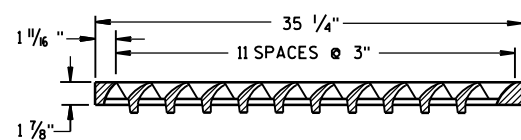
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08D01-20A	CONCRETE CURB & GUTTER
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN ISLAND MARKING
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING



NOTE:
GRATE IS REVERSIBLE.

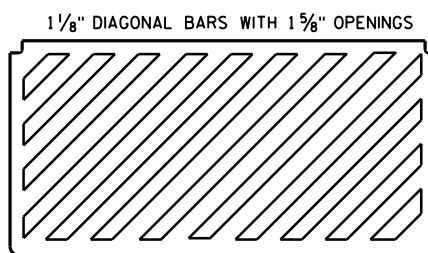


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

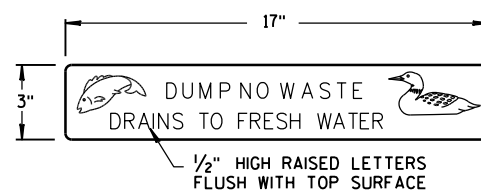


TYPE "H"

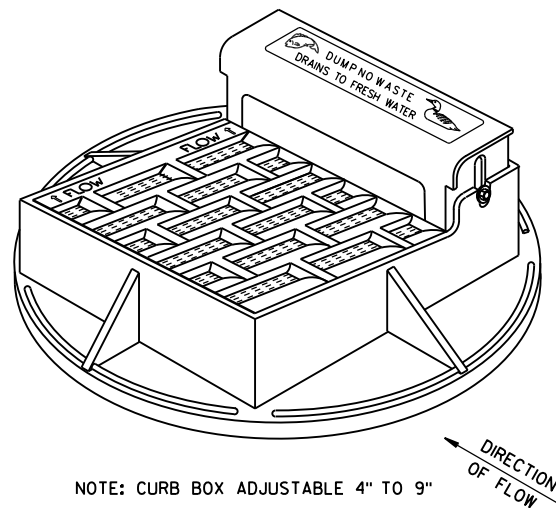
NOTE: EITHER CASTING IS ACCEPTABLE



**SPECIAL GRATE FOR
TYPE "H" COVER**
(MEASURES 35 1/4" X 17 3/4" X 2")
(NOTED AS TYPE H-S ON DRAINAGE TABLE)

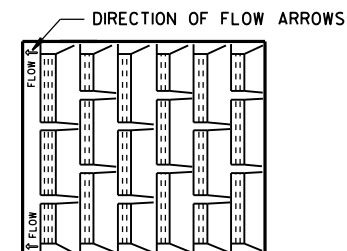


LOGO DETAIL

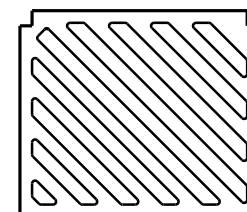


NOTE: CURB BOX ADJUSTABLE 4" TO 9"

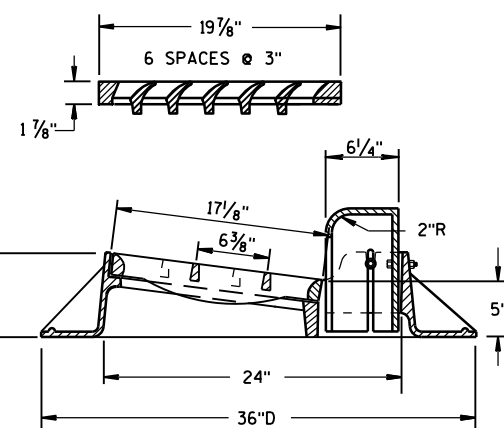
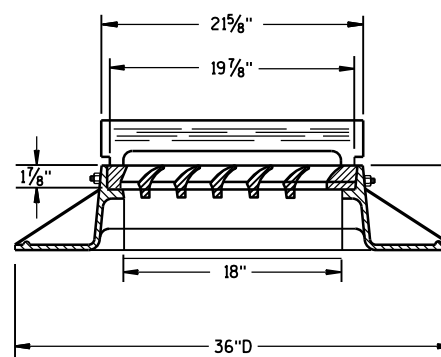
NOTE:
GRATE IS REVERSIBLE.



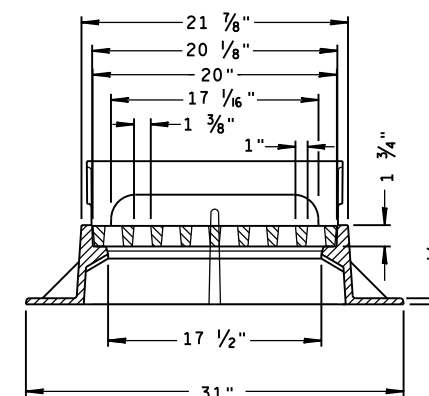
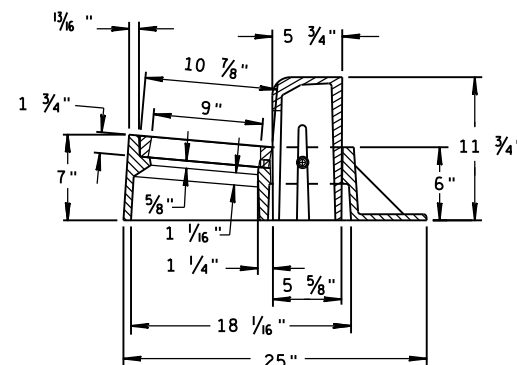
1" DIAGONAL BARS
WITH 1 1/2" OPENINGS



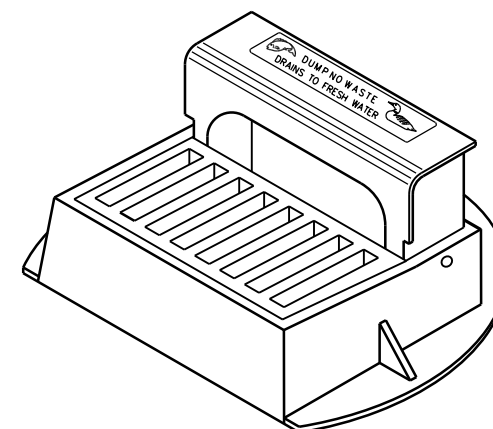
**SPECIAL GRATE FOR
TYPE "A" COVER**
(MEASURES 19 3/4" X 17" X 1 1/8")
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"



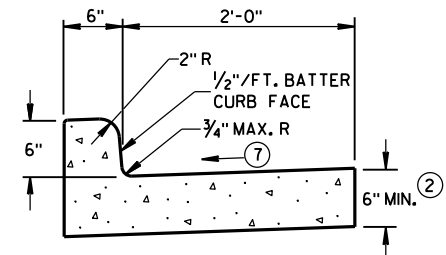
TYPE "Z"



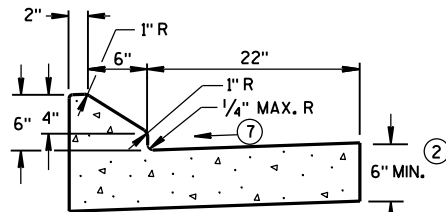
**INLET COVERS
TYPE A, H, A-S, H-S & Z**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

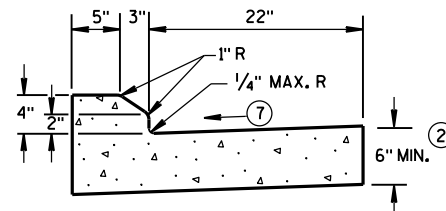
APPROVED
11-27-13
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA



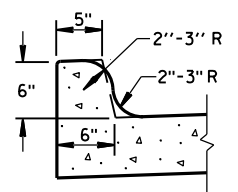
TYPES A^① & D



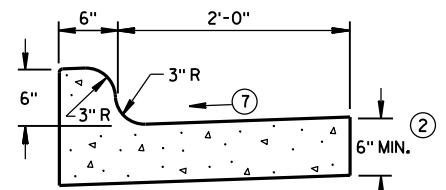
6" SLOPED CURB TYPES G^① & J



4" SLOPED CURB TYPES G^① & J

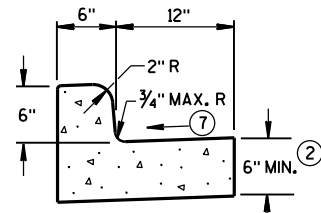


TYPES K^① & L
(OPTIONAL CURB SHAPE)



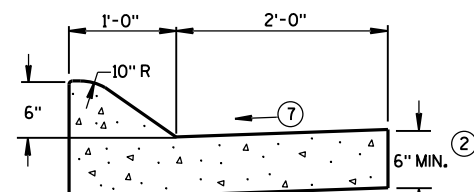
TYPES K^① & L

CONCRETE CURB & GUTTER 30"

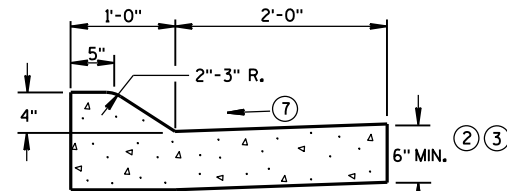


TYPES A^① & D

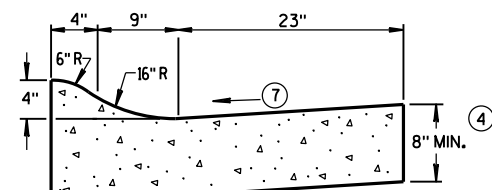
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A^① & D

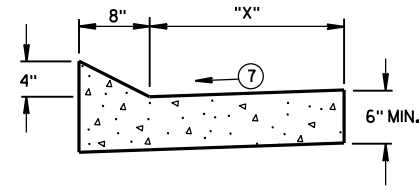


4" SLOPED CURB TYPES A^① & D



4" SLOPED CURB TYPES R^① & T^⑤

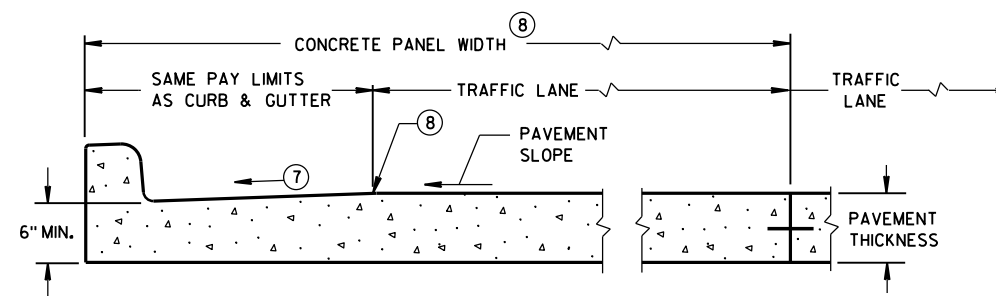
CONCRETE CURB & GUTTER 36"



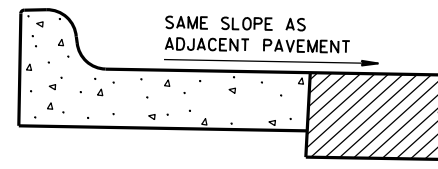
TYPES TBT & TBTT^①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"



PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



REVERSE SLOPE GUTTER^⑥
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
- ④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- ⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- ⑦ USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- ⑧ INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

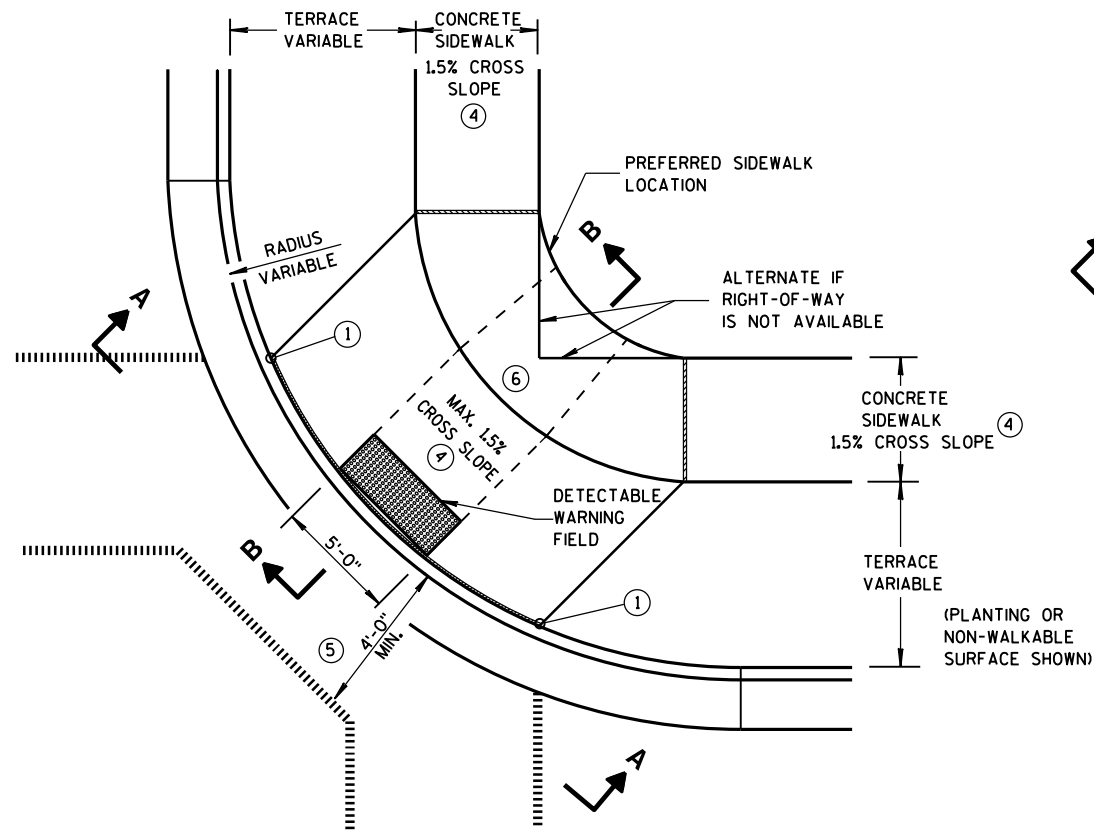
PAVEMENT THICKNESS
AND MAXIMUM CONCRETE
PANEL WIDTH TABLE

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

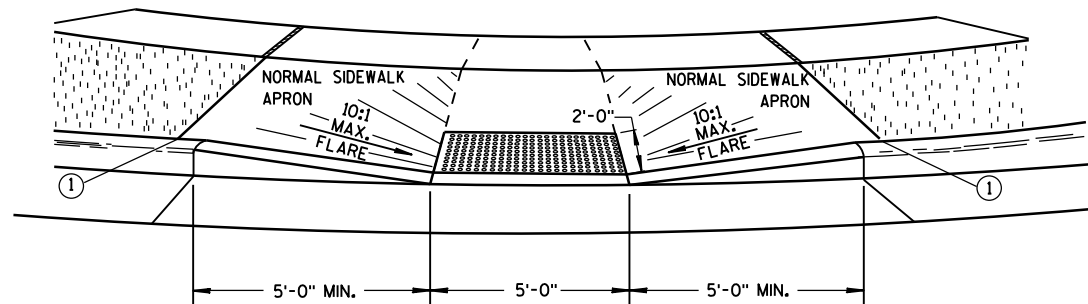
* BIKE LANE IS NOT SHOWN.

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

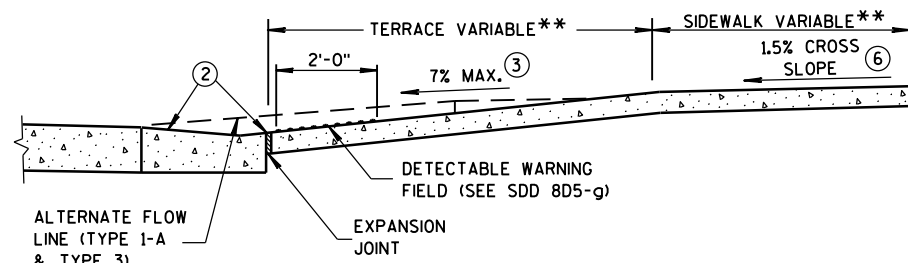


**PLAN VIEW
TYPE 1 RAMP**
(CENTER OF CORNER RADIUS)

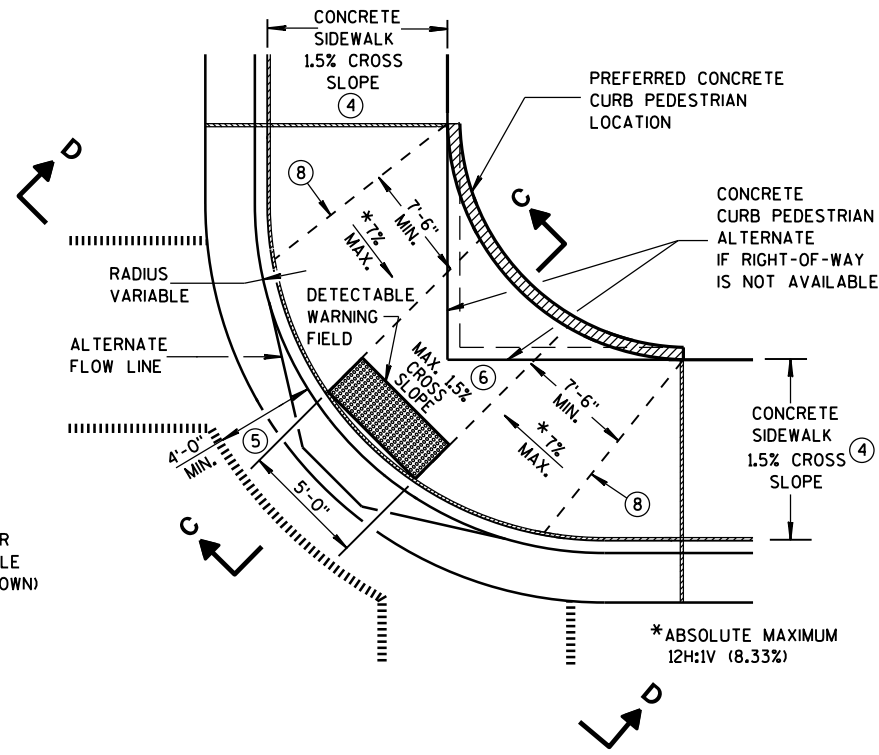


VIEW A-A

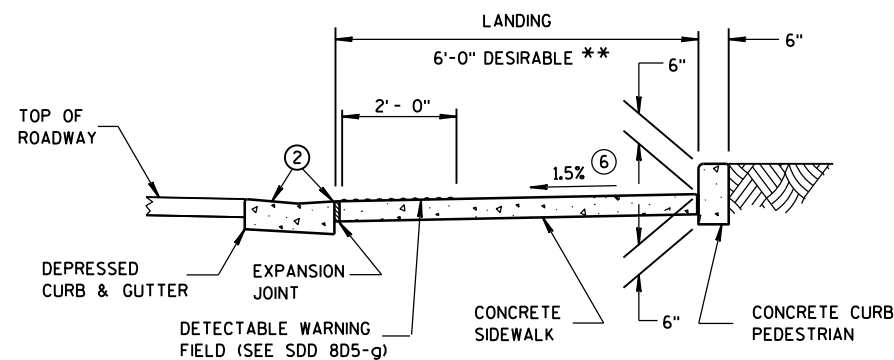
** WIDTH SHOWN ELSEWHERE
IN THE PLANS



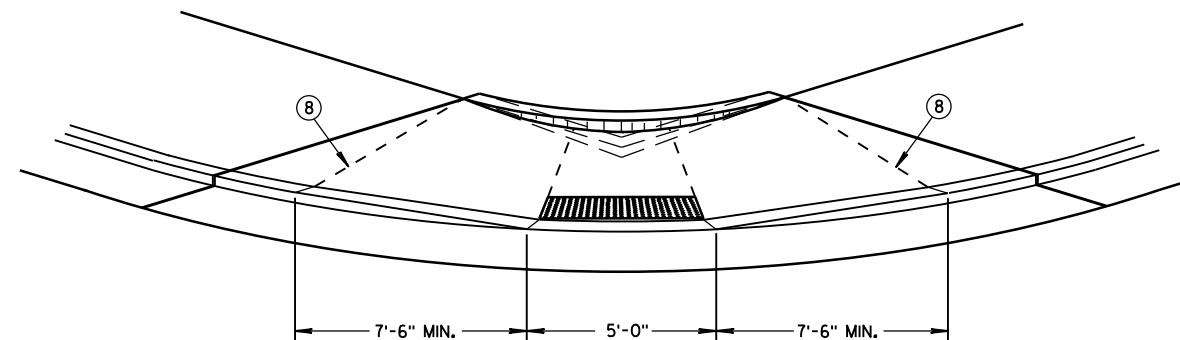
SECTION B-B



**PLAN VIEW
TYPE 1-A RAMP**
(NO TERRACE)



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAL FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD".

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

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

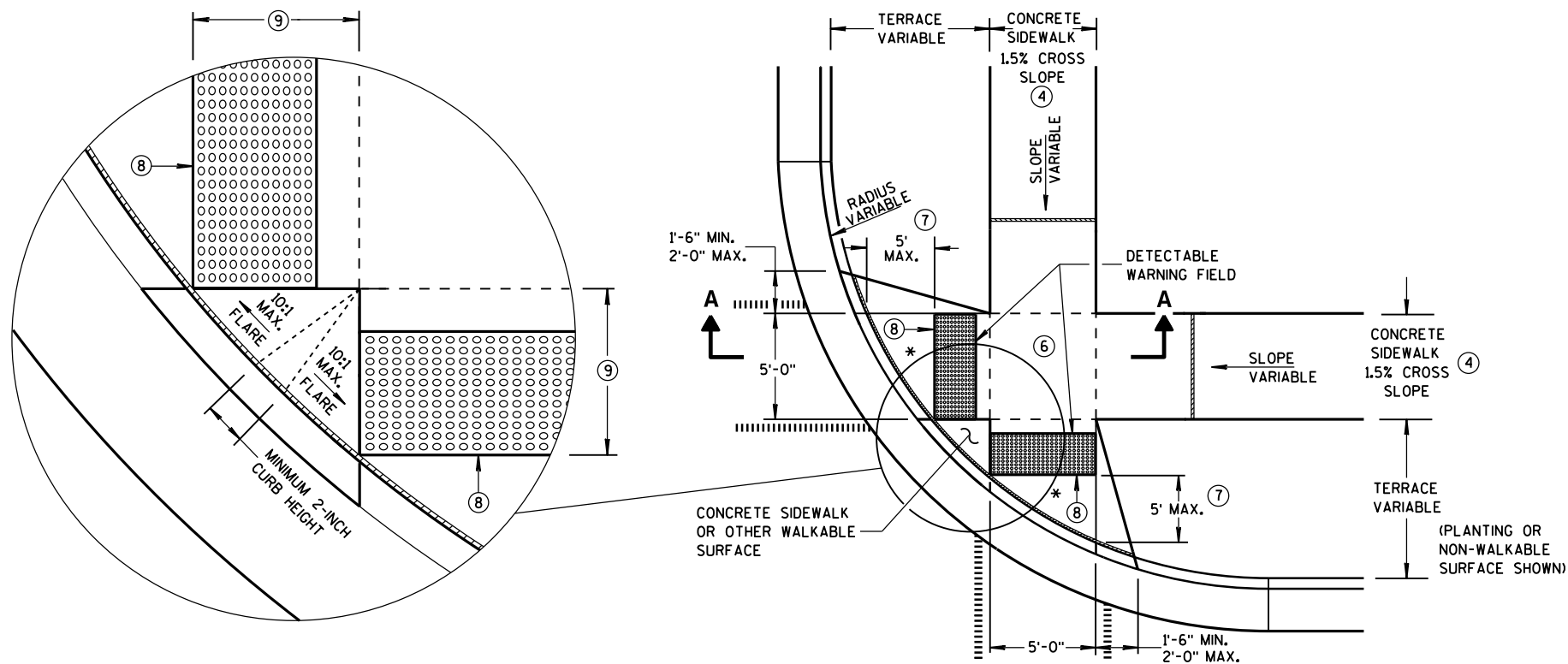
- ① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ $\pm 0.5\%$ CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑤ PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- ⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

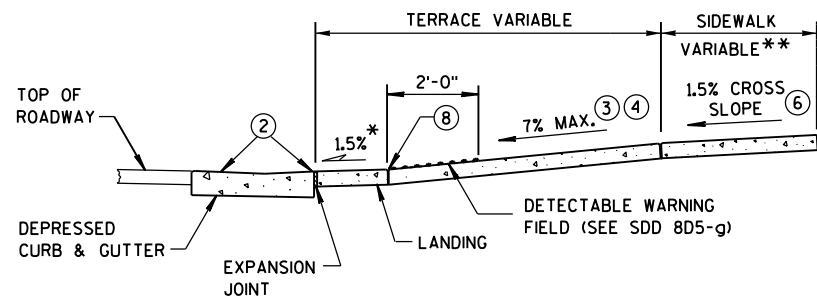
**CURB RAMPS
TYPES 1 AND 1-A**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



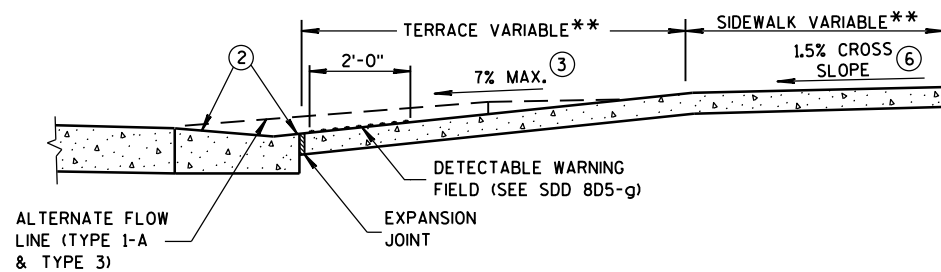
**PLAN VIEW
TYPE 2 RAMP**
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE
IN ALL DIRECTIONS IN
FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE
IN THE PLANS



SECTION B-B

GENERAL NOTES

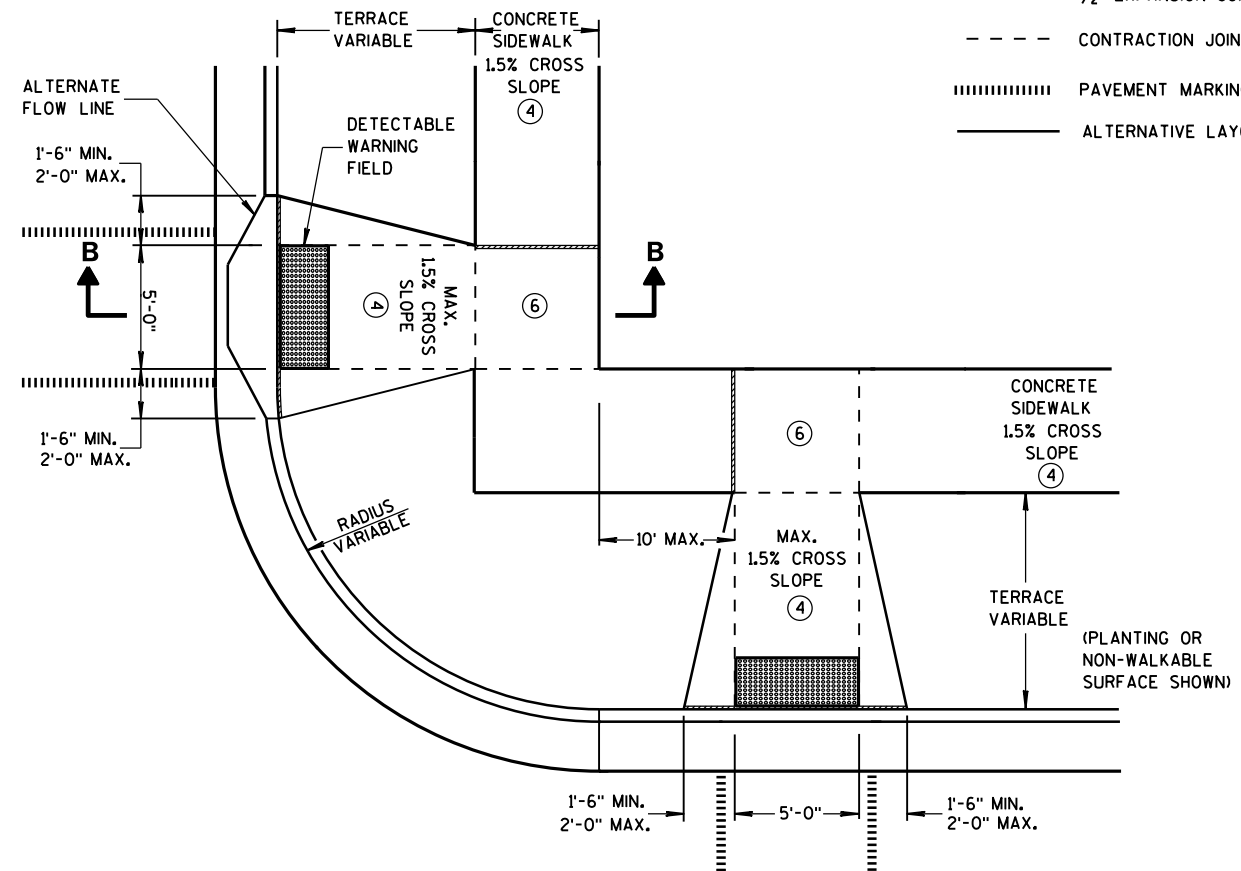
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- ⑦ WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- ⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- ⑨ WHEN THIS DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

LEGEND

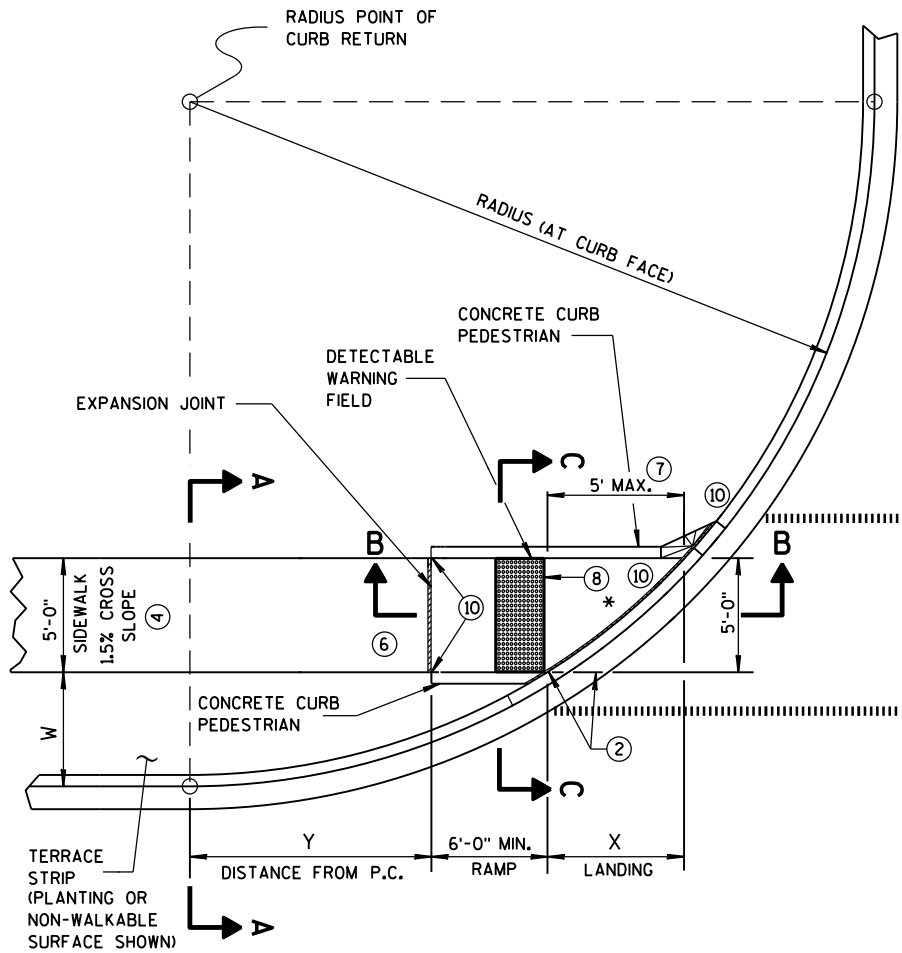
- ===== 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



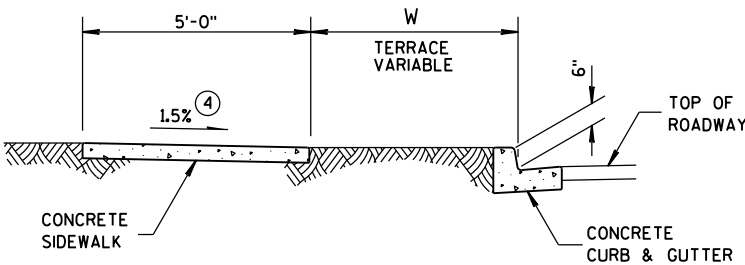
**PLAN VIEW
TYPE 3 RAMP**
(OUTSIDE OF CROSSWALK AREA)

**CURB RAMPS
TYPES 2 AND 3**

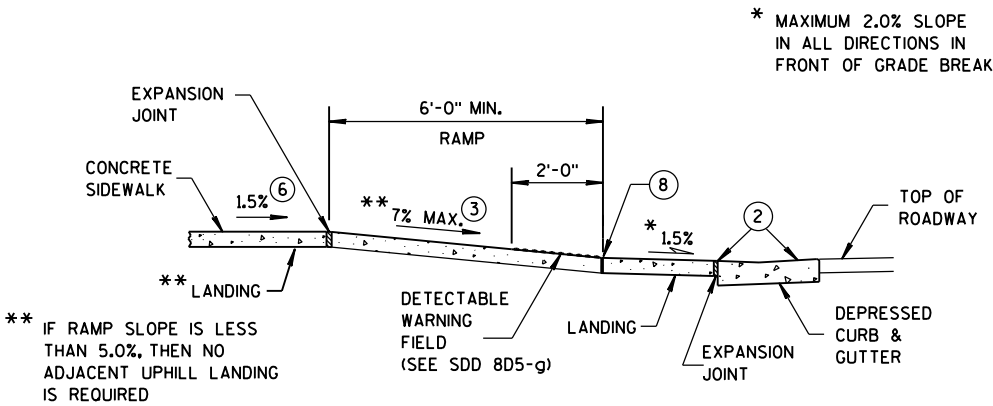
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



**CURB RAMP TYPE 4B
PLAN VIEW**



SECTION A-A FOR TYPE 4B



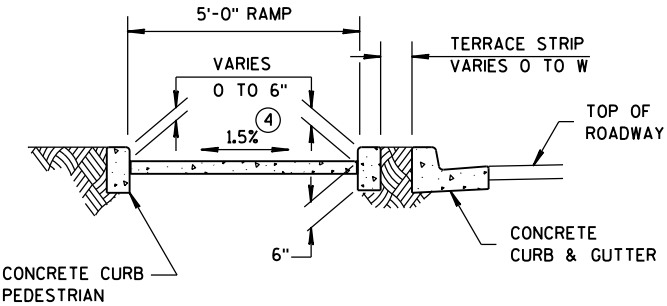
SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10 1/4"	0'-5"	2'-1"	1'-4 1/2"	1'-5"	2'-1"	0'-10"	2'-7 1/2"	0'-3 1/4"	3'-0 1/4"						
15 FEET	4'-6 3/4"	2'-1 3/4"	3'-9"	3'-5 1/4"	3'-1 1/4"	4'-6"	2'-6 3/4"	5'-4 1/2"	2'-1"	6'-1"	1'-8"	6'-8 1/2"	1'-3 1/4"	7'-2 1/2"	0'-10 3/4"	7'-7 1/4"
20 FEET	5'-9 3/4"	3'-6 1/2"	4'-11 1/2"	5'-1 3/4"	4'-3 1/4"	6'-5 1/2"	3'-8 3/4"	7'-7"	3'-3"	8'-6 1/2"	2'-10"	9'-4 1/2"	2'-5 1/2"	10'-1 1/4"	2'-1 1/4"	10'-9"
30 FEET			6'-9 1/4"	7'-11 1/4"	6'-0 1/4"	9'-8"	5'-5"	11'-1 3/4"	4'-10 3/4"	12'-5 3/4"	4'-5 1/2"	13'-7 3/4"	4'-0 3/4"	14'-8 1/2"	3'-8 1/2"	15'-8 1/4"
40 FEET									6'-1 3/4"	15'-8 1/2"	5'-8"	17'-2"	5'-3"	18'-5 3/4"	4'-10 3/4"	19'-8 1/4"
50 FEET															5'-10 1/4"	23'-2"

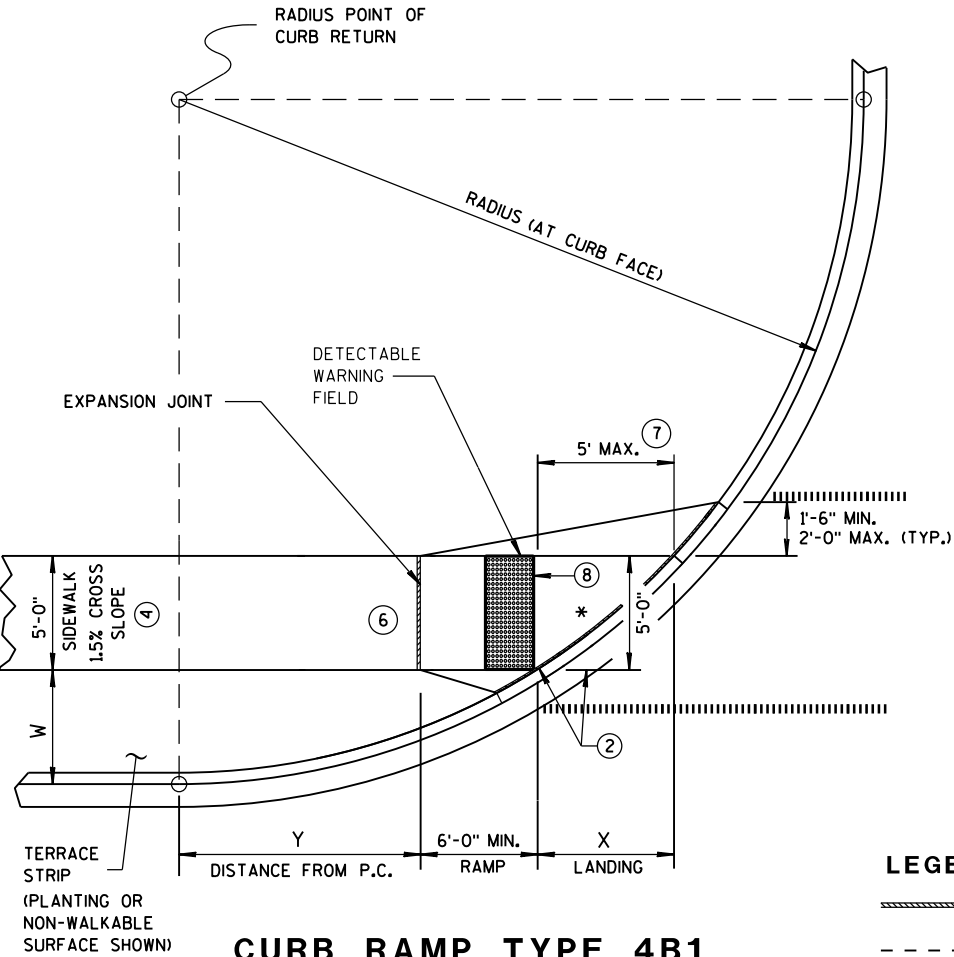
INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

GENERAL NOTES

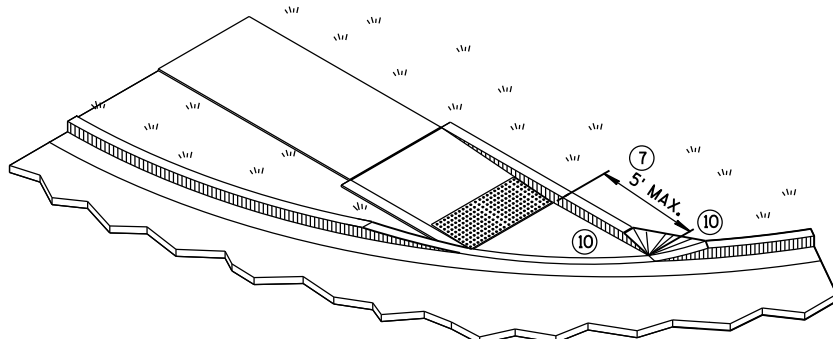
- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



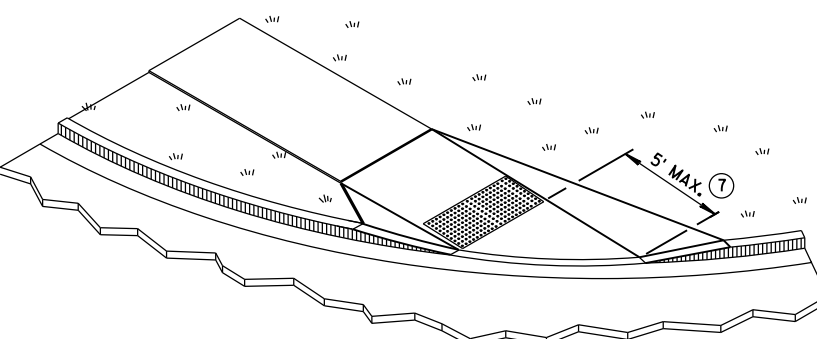
SECTION C-C FOR TYPE 4B



**CURB RAMP TYPE 4B1
PLAN VIEW**



ISOMETRIC VIEW FOR TYPE 4B



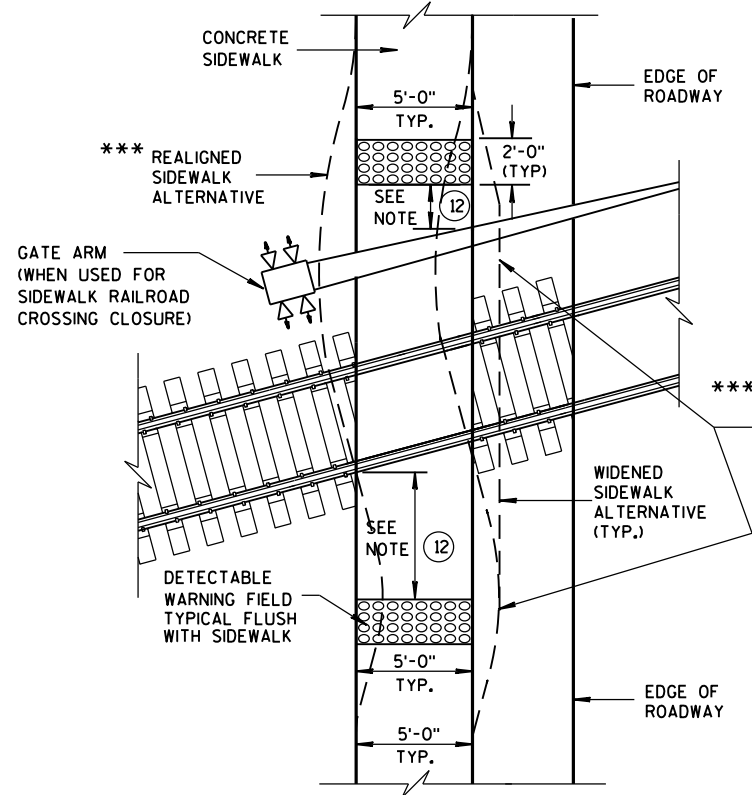
ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

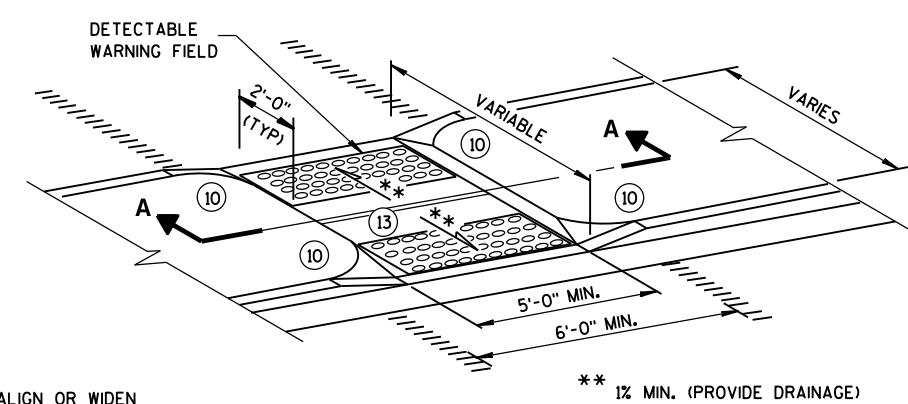
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

**CURB RAMPS
TYPE 4B AND 4B1**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



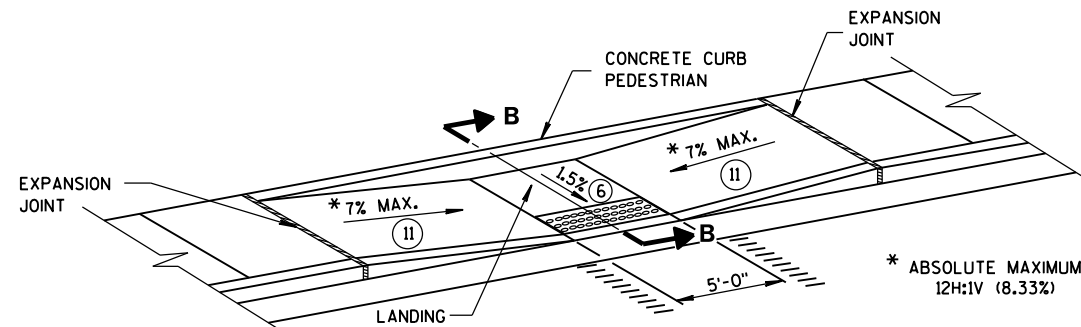
TYPE 8
DETECTABLE WARNINGS
AT RAILROAD CROSSING



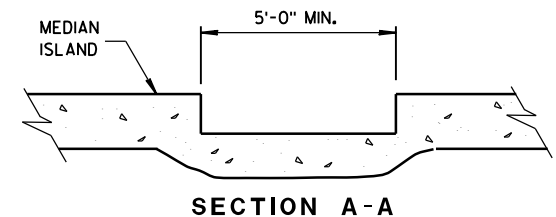
MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- ③ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.
- ④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- ⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.
- ⑩ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.
- ⑪ SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
- ⑫ THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 15 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.
- ⑬ DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

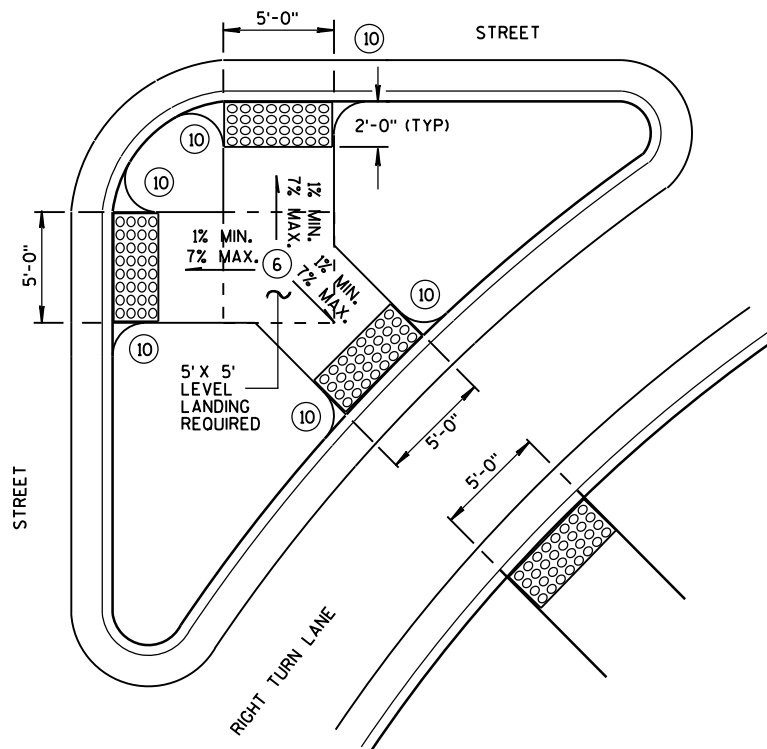


MID-BLOCK CROSSING
TYPE 7A

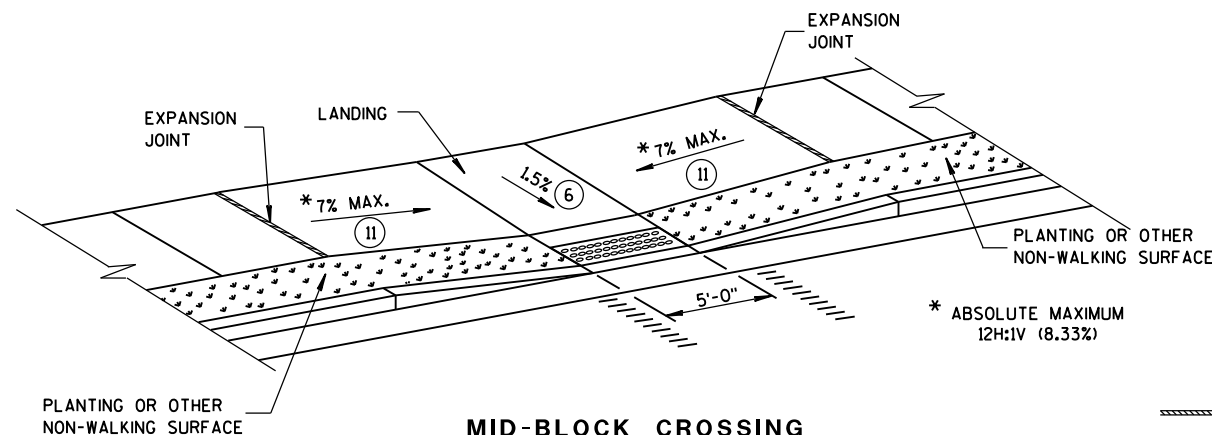


SECTION A-A

REFER TO GENERAL NOTES ② AND ③
FOR ALL ISLAND CURB RAMPS

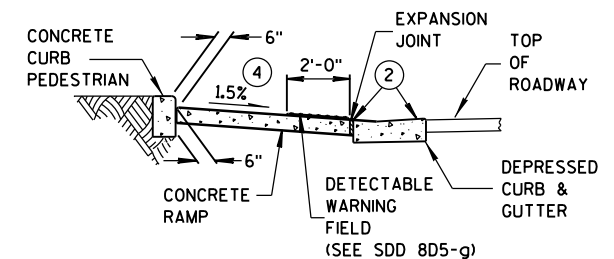


TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS
MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B-B

LEGEND

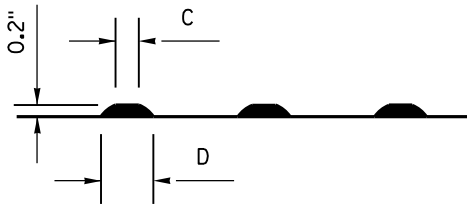
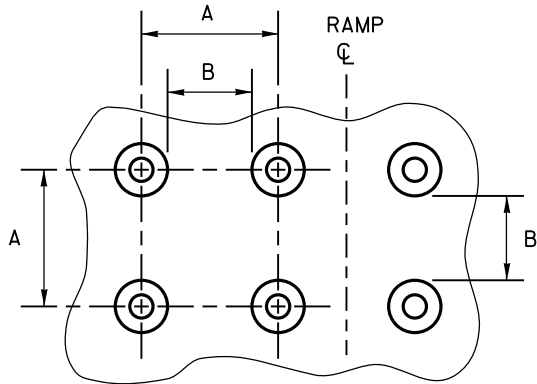
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

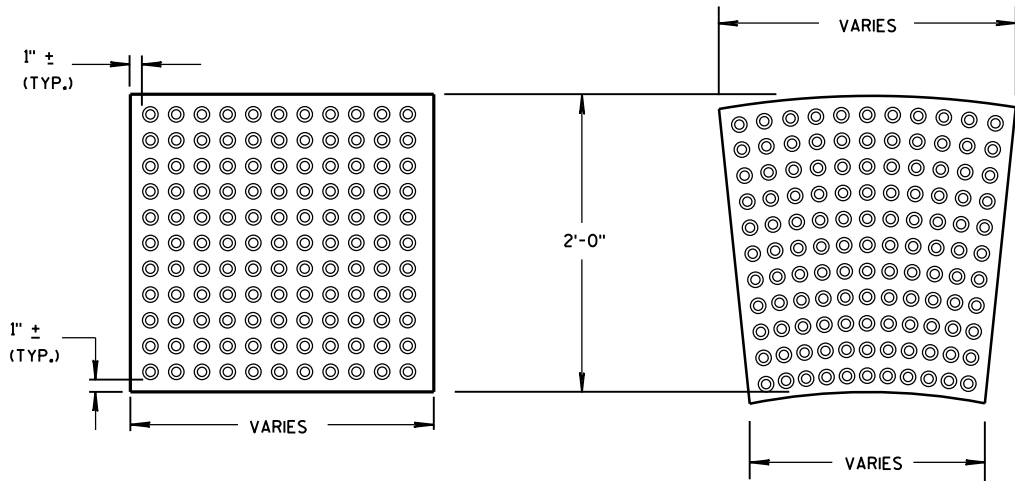
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

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



TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR
PLATES

RADIAL
PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW

GENERAL NOTES

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

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

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

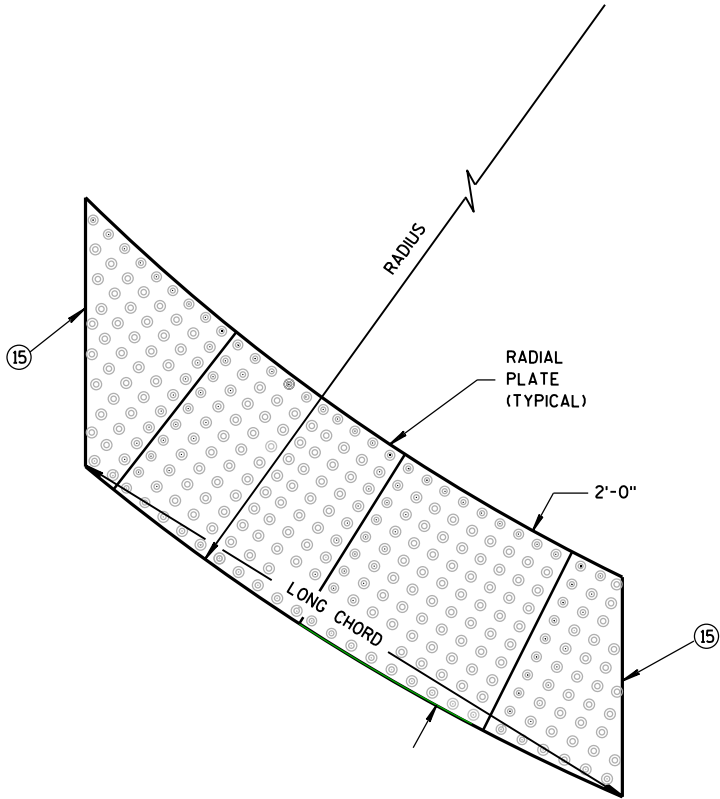
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

15 FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

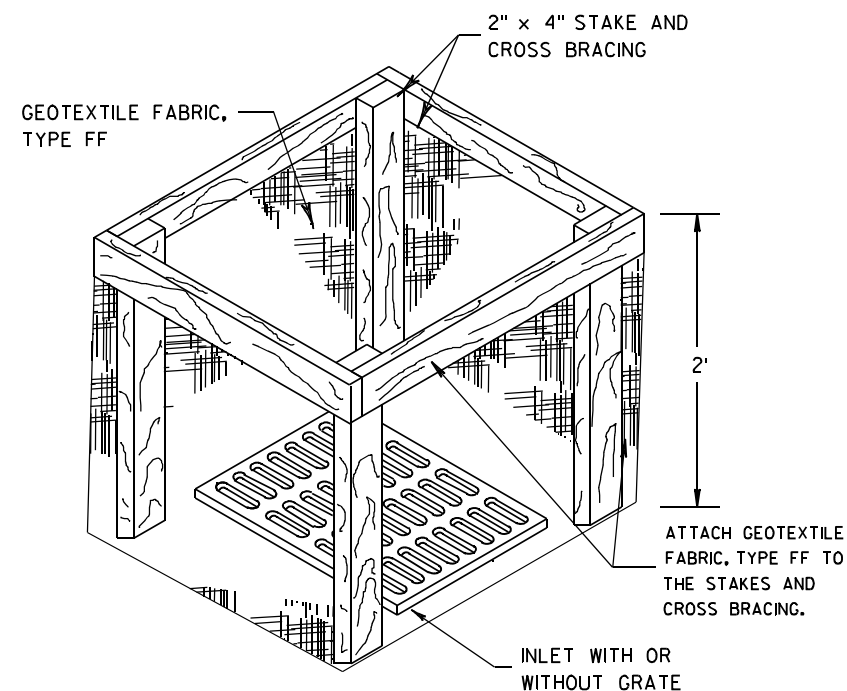
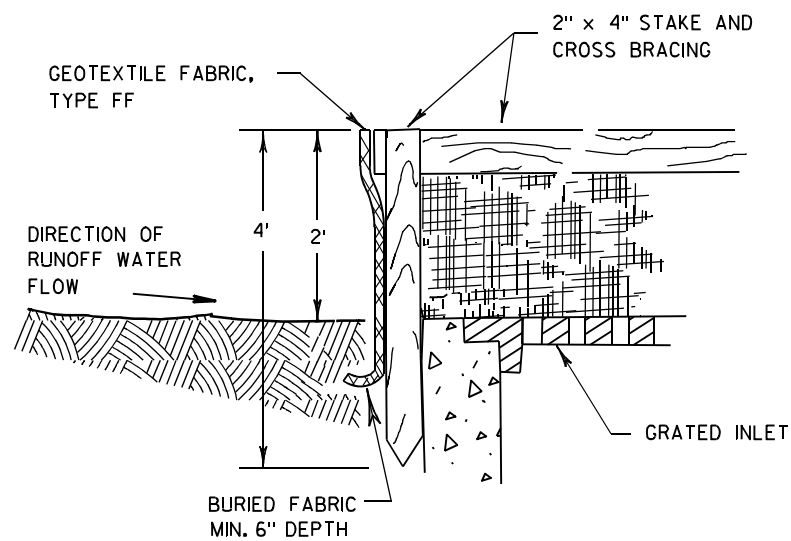


RADIAL DETECTABLE
WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT
FHWA UNIT SUPERVISOR



INLET PROTECTION, TYPE A

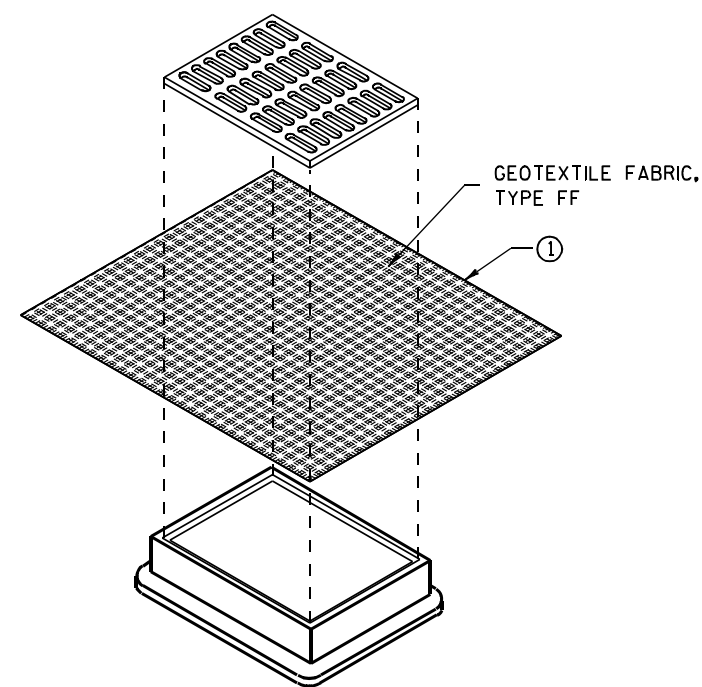
GENERAL NOTES

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

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

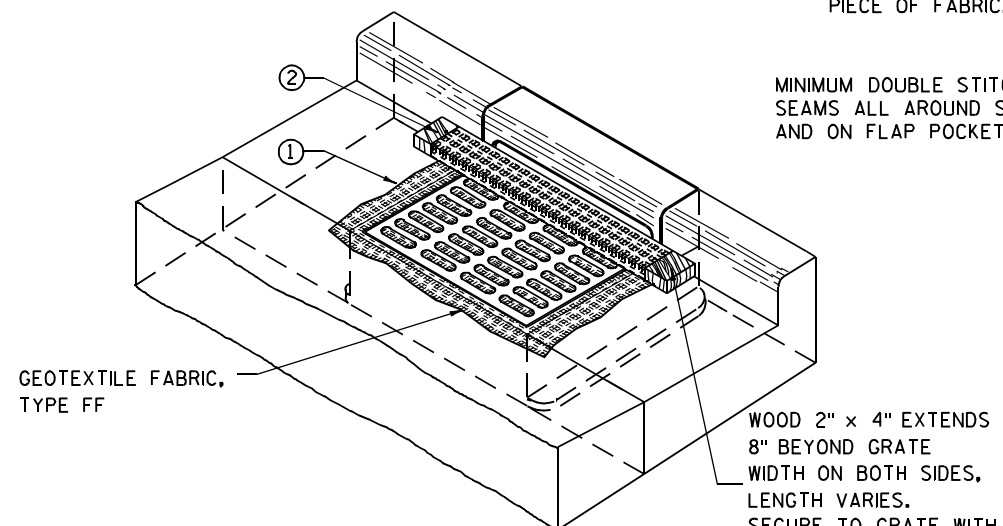
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

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



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

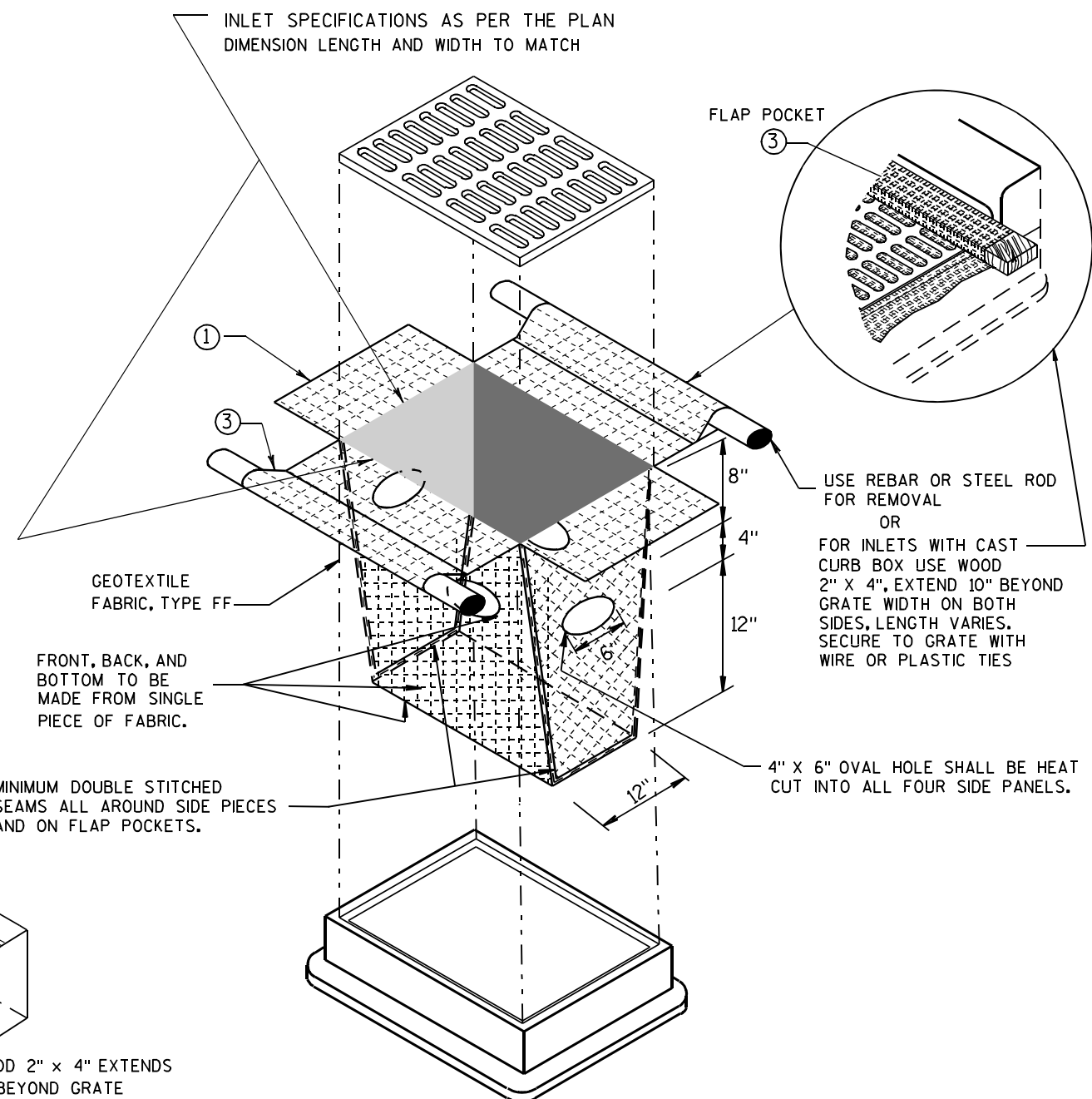
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

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

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

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



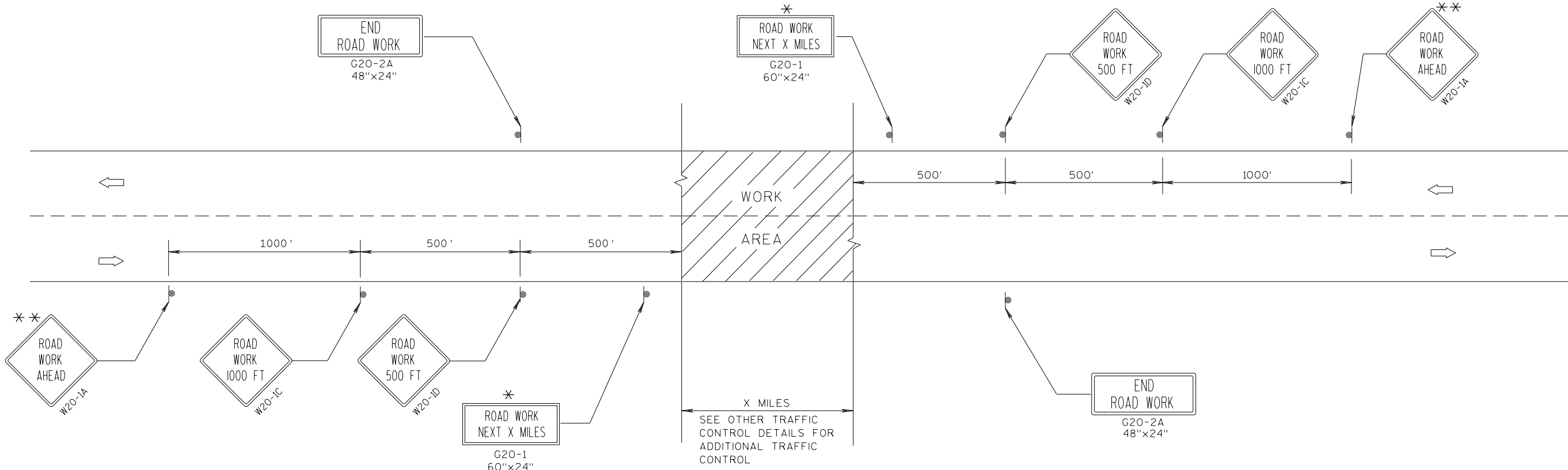
INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Cannestra
DATE
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

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.

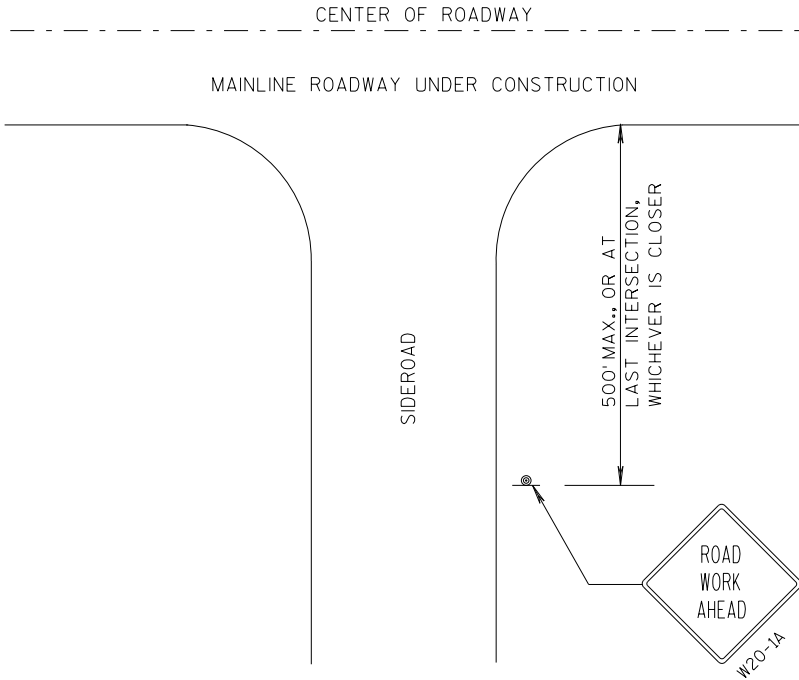
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE 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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/2018 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

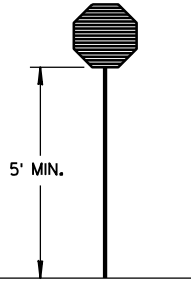
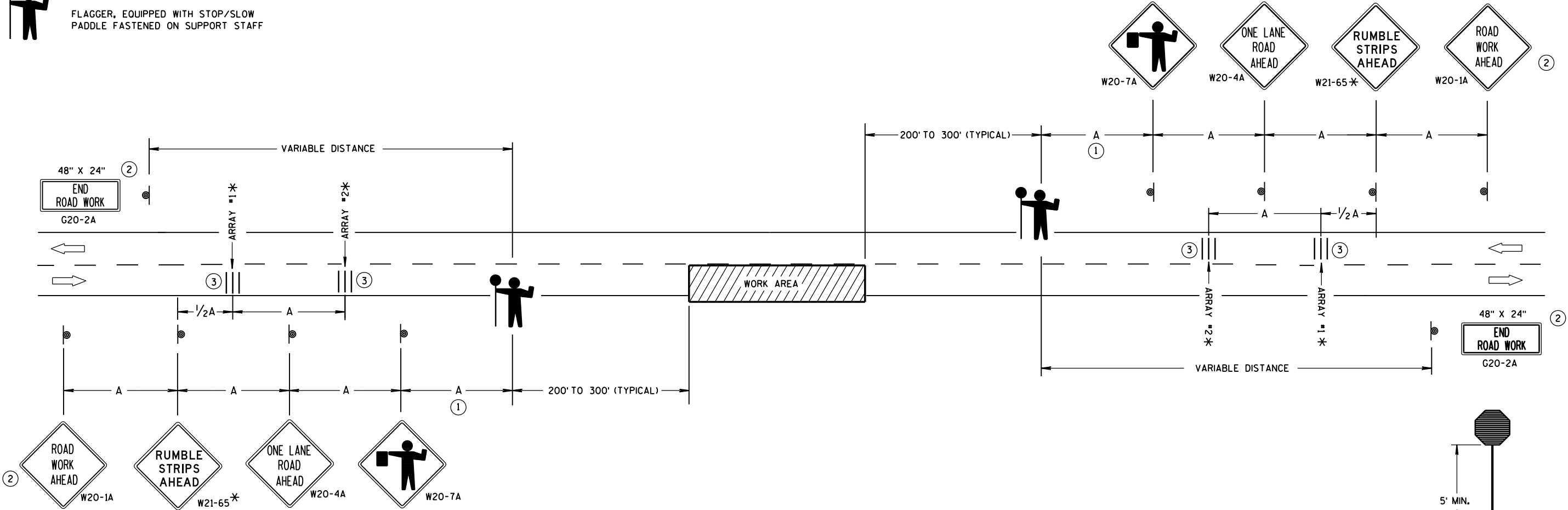
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



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



STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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 RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

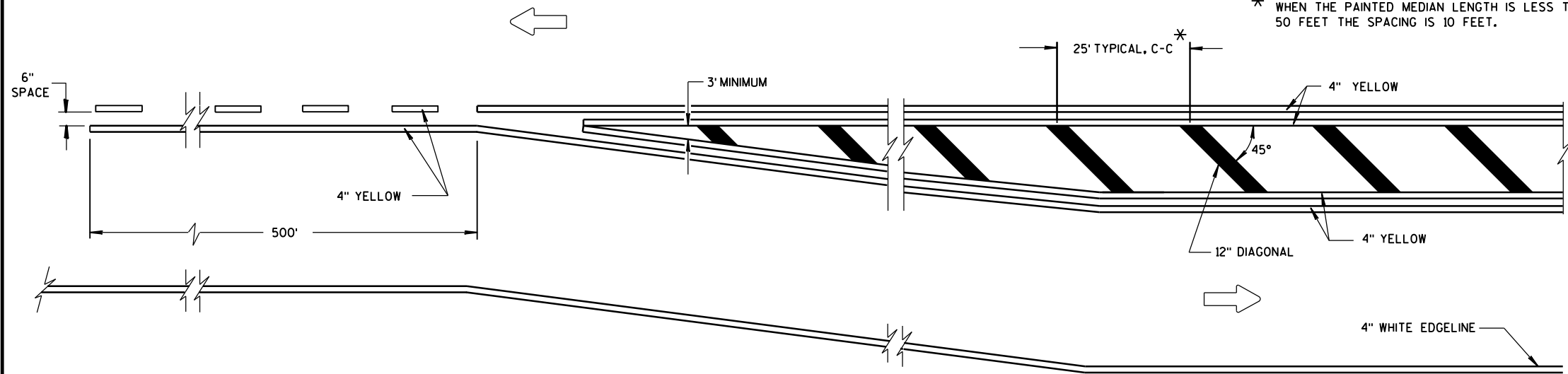
* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Andrew Heldtke
DATE WORK ZONE ENGINEER
FHWA

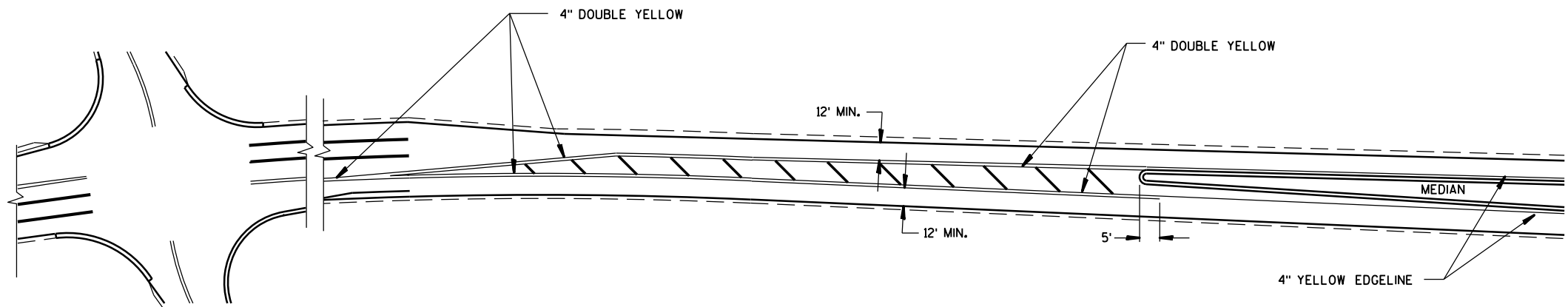


MEDIAN ISLAND DETAIL

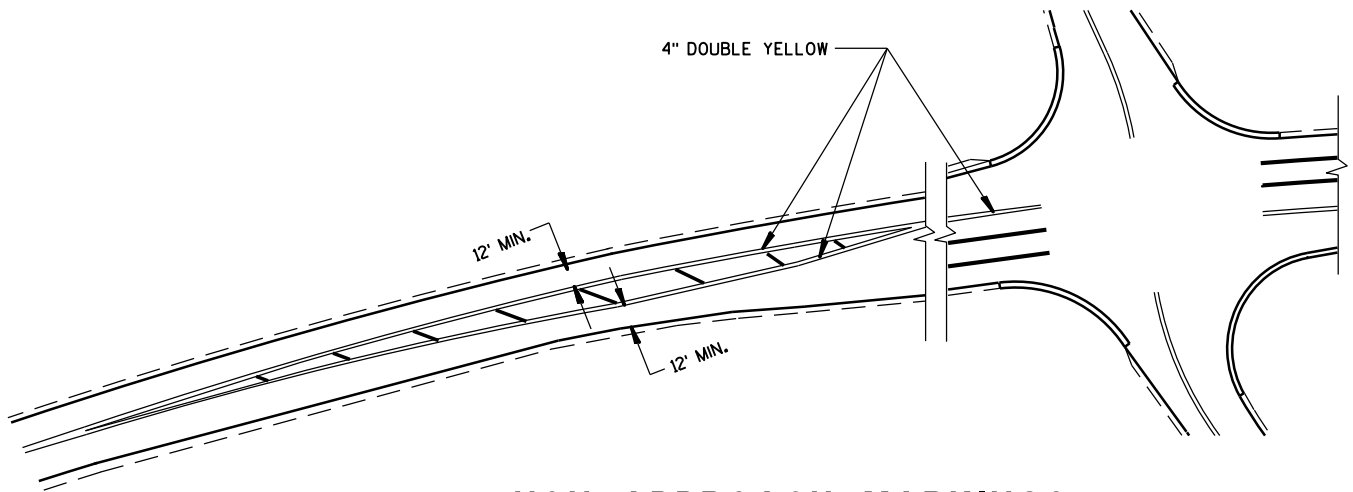
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

➡ DIRECTION OF TRAVEL

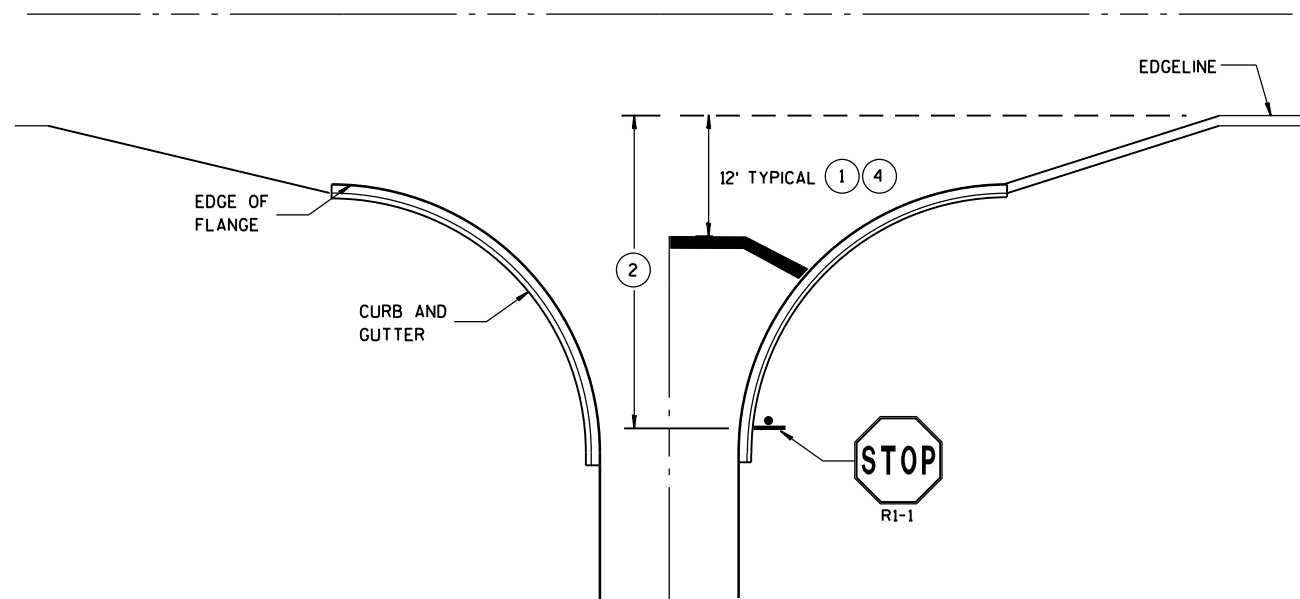


APPROACH MARKINGS FOR OTHER MEDIAN TYPES

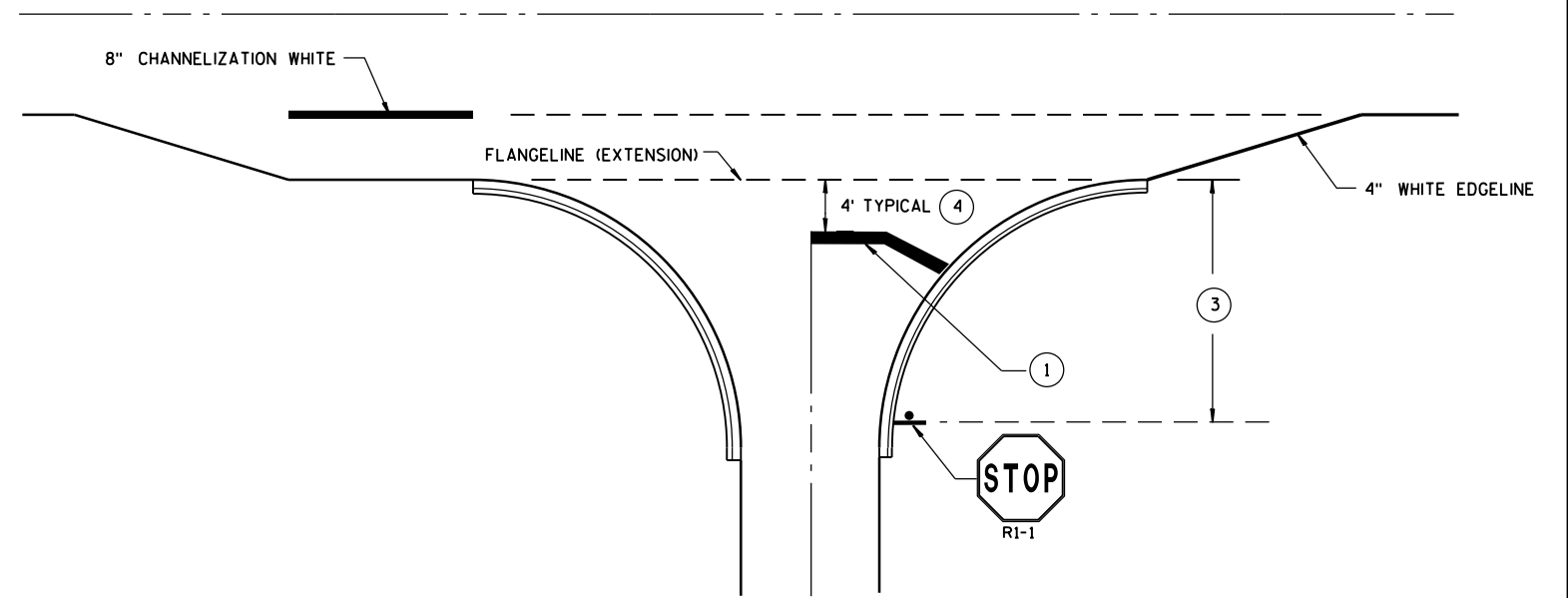


NON APPROACH MARKINGS

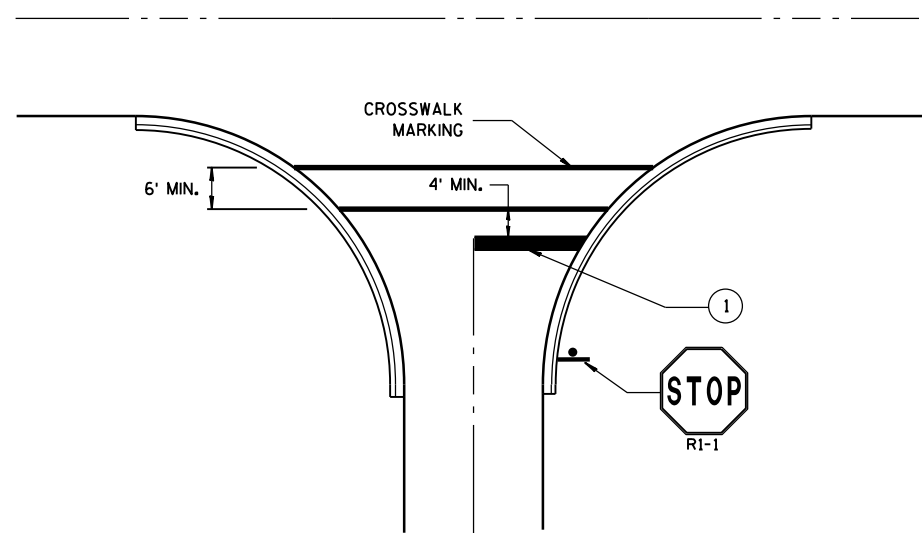
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER FHWA



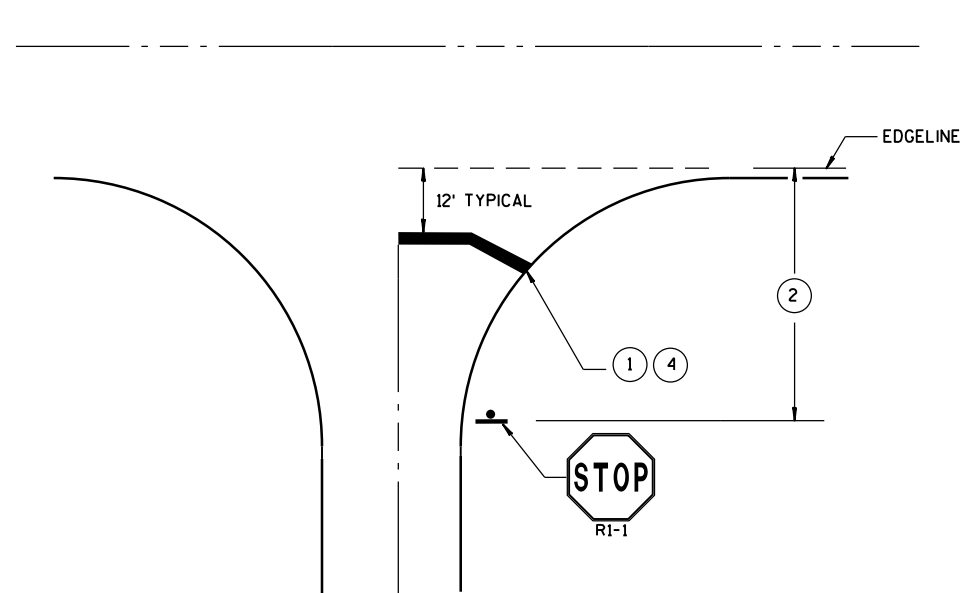
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



**TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE**



**TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING**



**TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER**

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGE LINE LOCATION.

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE THAN NO STOP LINE IS REQUIRED.
- ③ IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- ④ MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

**STOP LINE AND CROSSWALK
PAVEMENT MARKING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

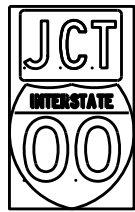
APPROVED

Sept., 2017
DATE

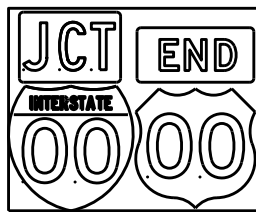
FHWA

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

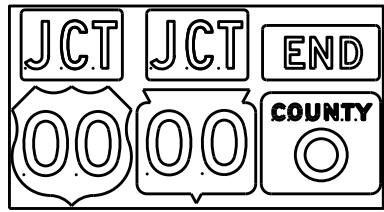
TYPICAL ASSEMBLIES



J1-1



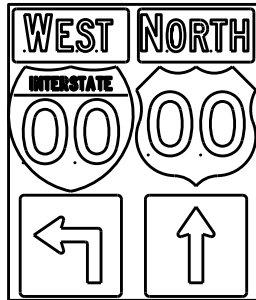
J1-2



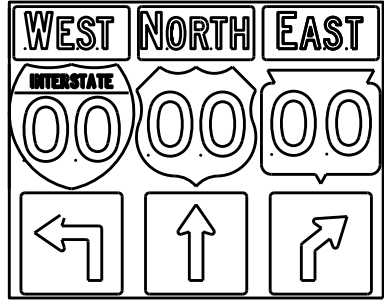
J1-3



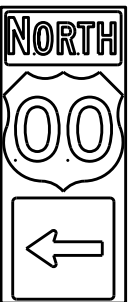
J2-1



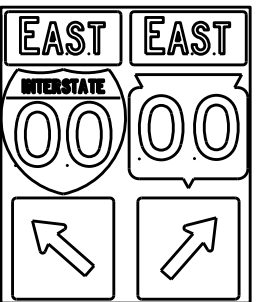
J2-2



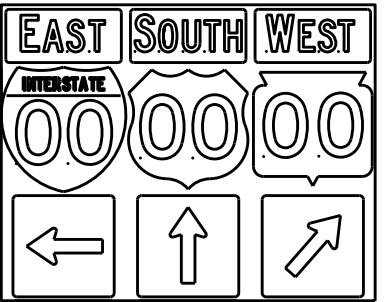
J2-3



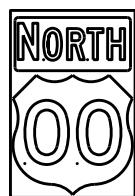
J3-1



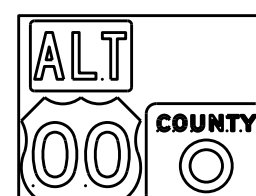
J3-2



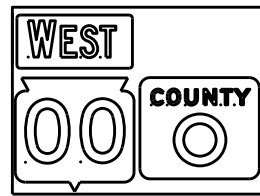
J3-3



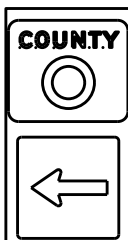
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

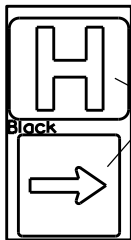


J22-1



JV

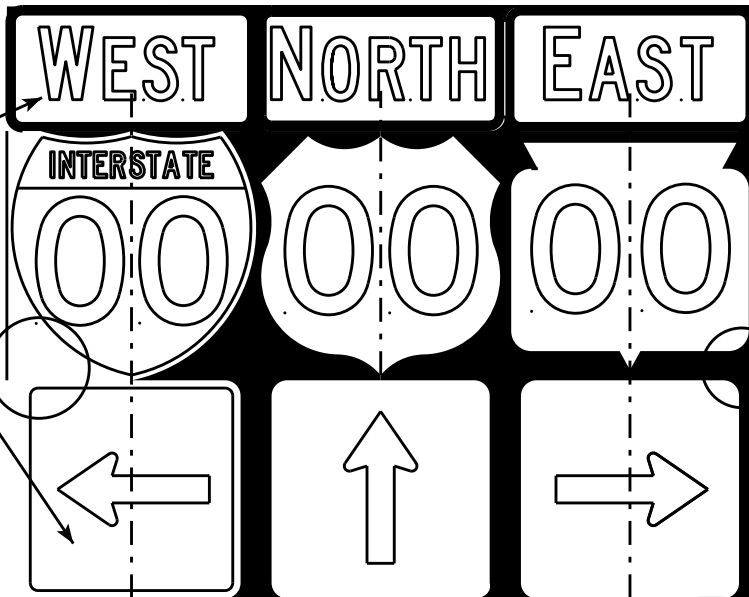
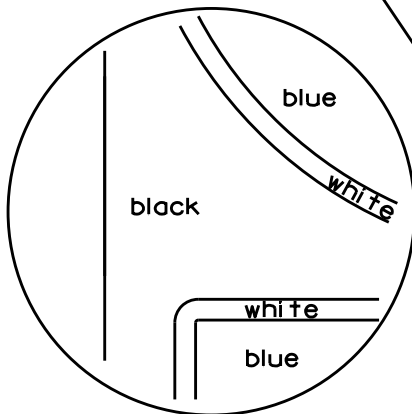
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

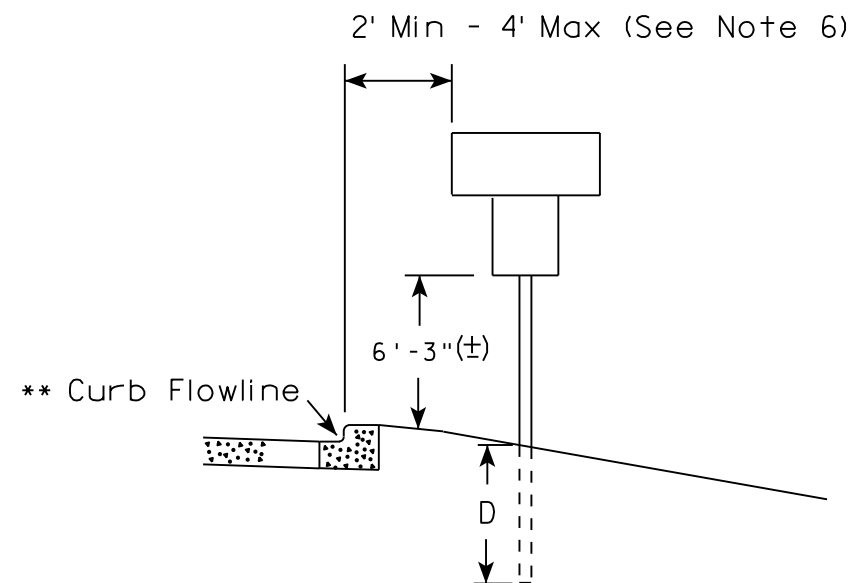
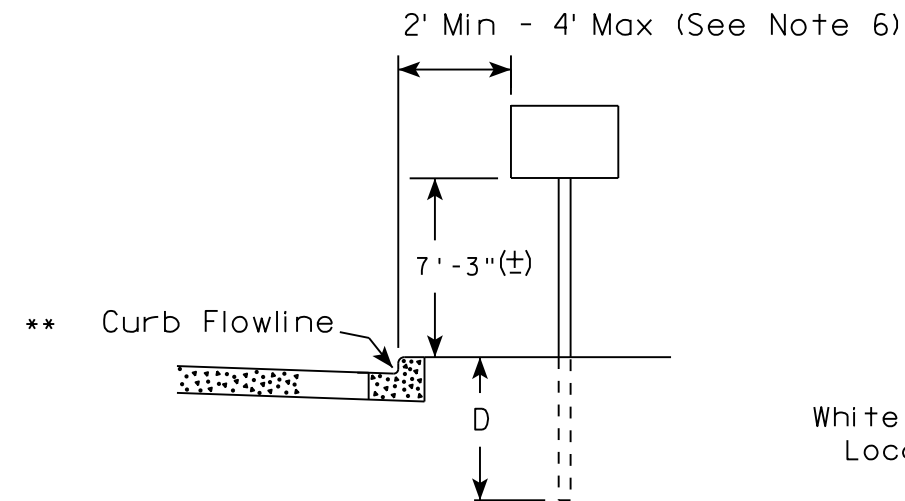
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/06/14 PLATE NO. A2-1S.8

NOTES

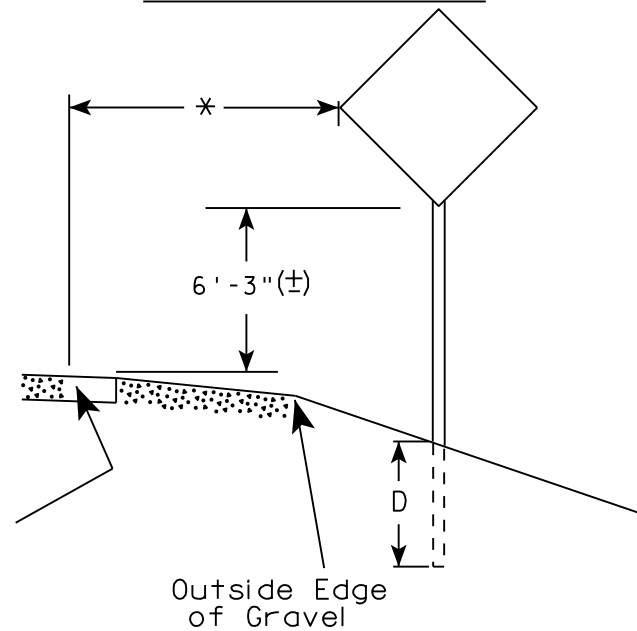
1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Black Non-reflective
Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

URBAN AREA

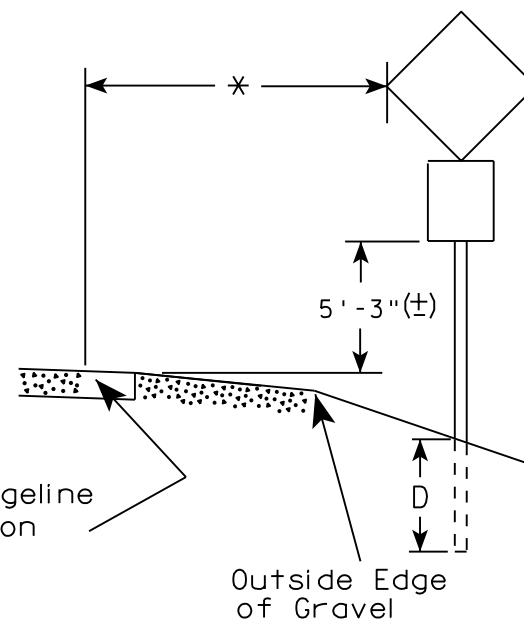


White Edgeline
Location

RURAL AREA (See Note 2)



White Edgeline
Location



Outside Edge
of Gravel

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. 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), 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" (±).

✱✱ 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 8/21/17 PLATE NO. A4-3.21

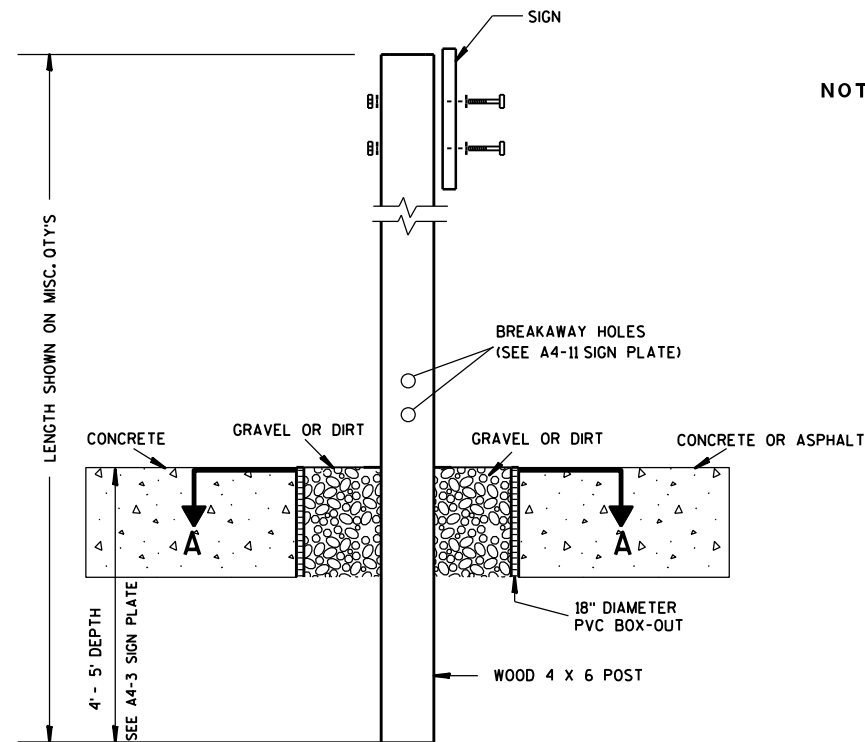
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

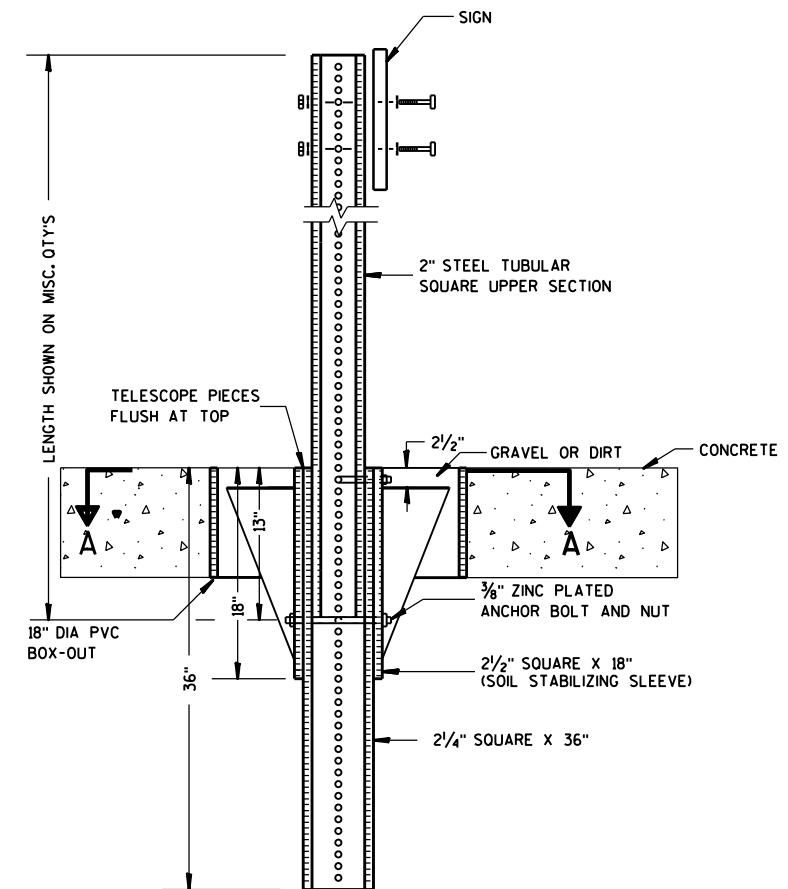
E



ELEVATION VIEW

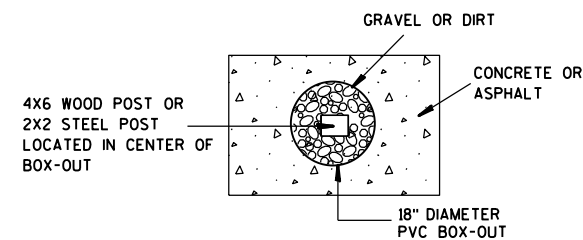
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

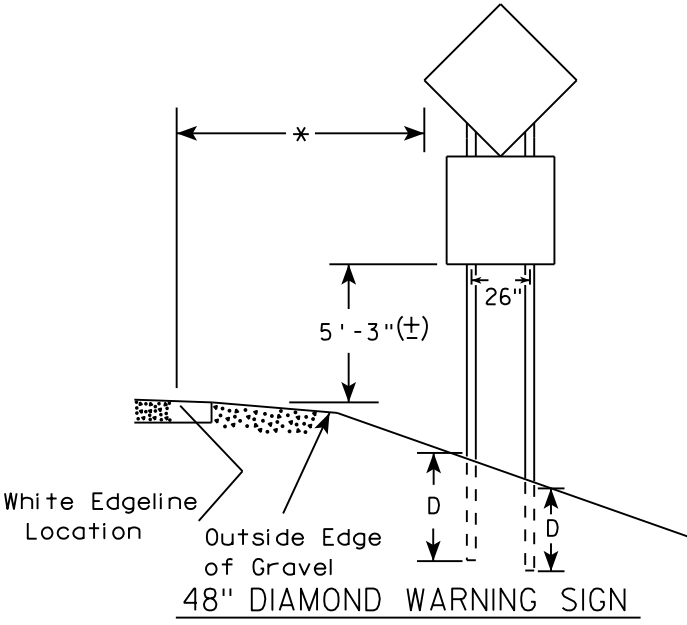
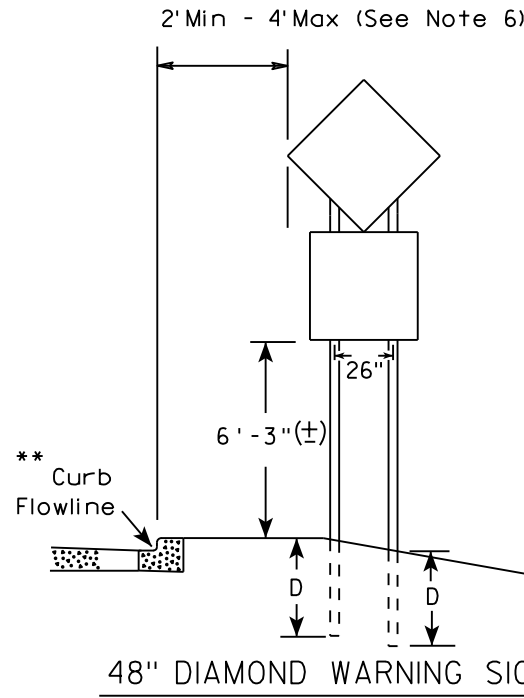
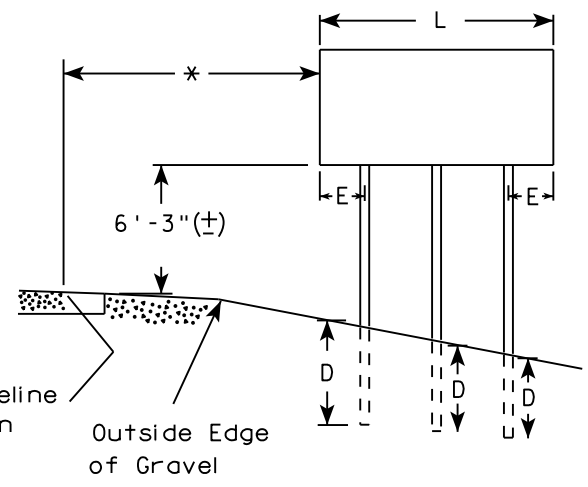
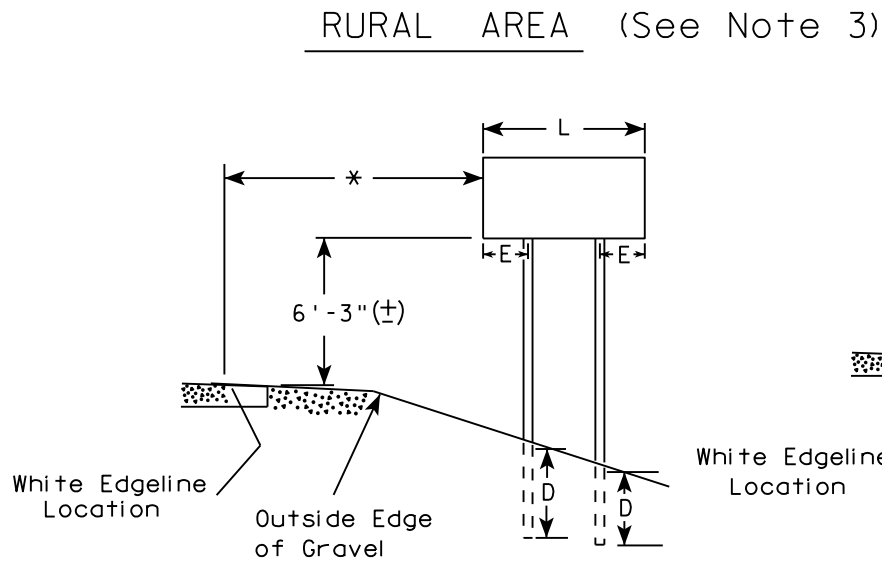
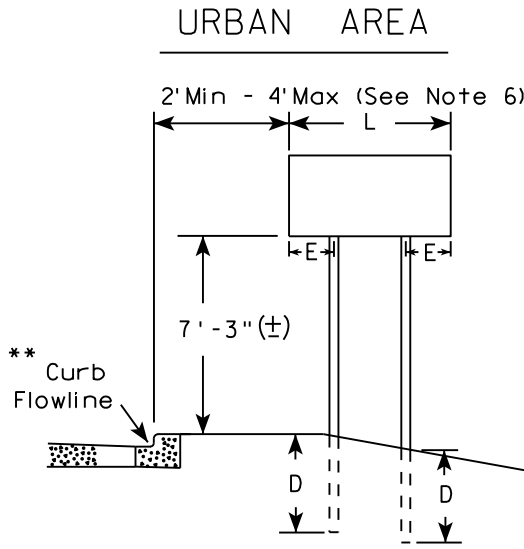
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



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

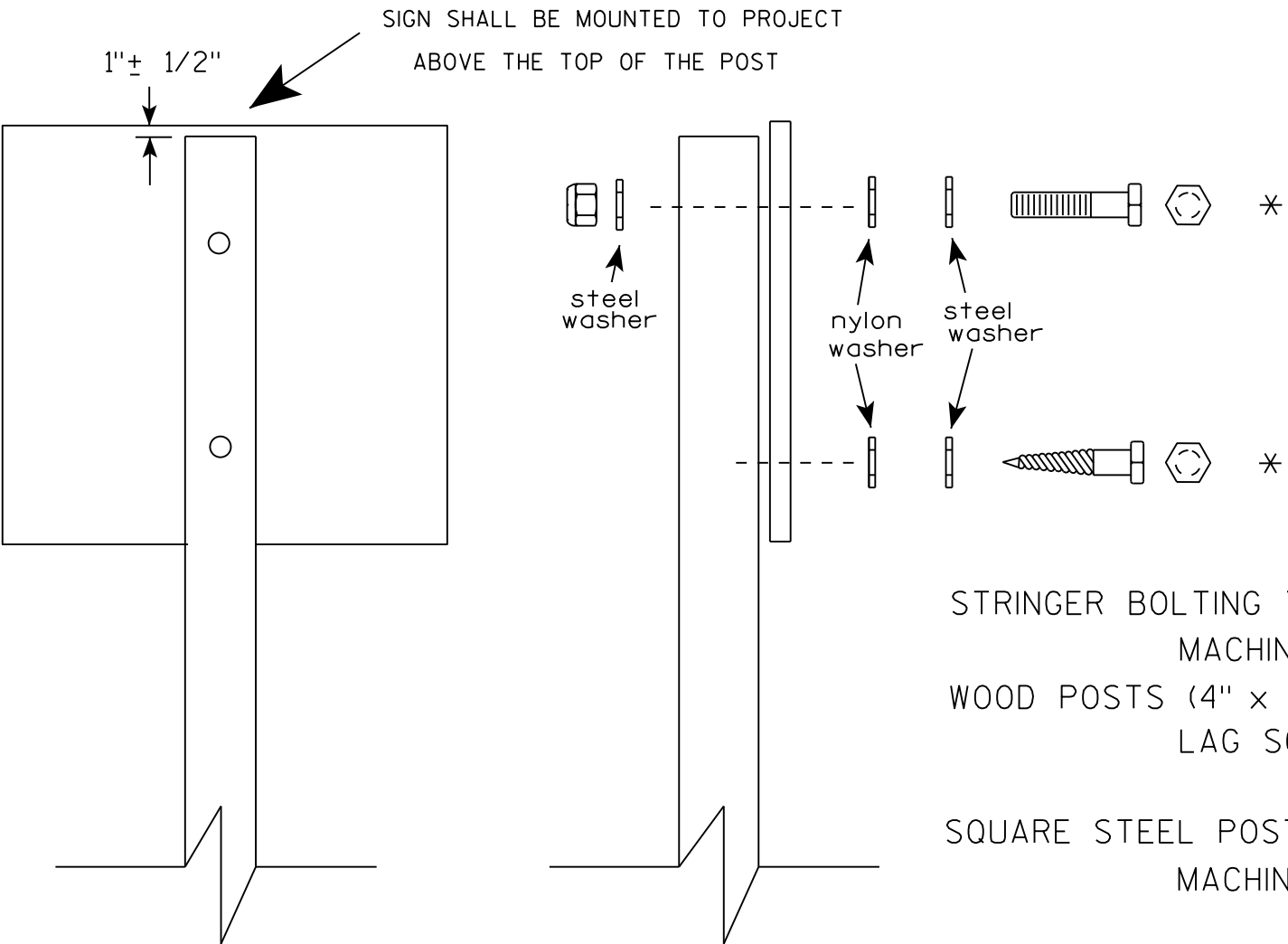
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

- 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" (±).

- * 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.



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 4" or 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	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 8/11/16	PLATE NO. A4-8.8

**2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH**

4" x 10" x 10 GA. ———→
STEEL PLATE (CUT
AS SHOWN) WELDED
TO ALL FOUR CORNERS
OF TELESPAR TUBE

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

2 1/2" TELES PAR TUBE

4" x 10" x 10 GA. STEEL PLATE (CUT AS SHOWN) WELDED TO ALL FOUR CORNERS OF TELES PAR TUBE

4"

2 1/2"

10"

3 1/2"

16"

LENGTH SHOWN ON MISC. QTYS

TELESCOPE PIECES FLUSH AT TOP

18" DIA SCHEDULE 40 PVC BOX-OUT

36"

18"

13"

2 1/2"

2 1/4" SQUARE X 36"

2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)

3/8" ZINC PLATED ANCHOR BOLT AND NUT

2 1/2" GRAVEL OR DIRT

2" STEEL TUBULAR SQUARE UPPER SECTION

ALL HOLES 7/16" SPACED 1" C-C ALL FOUR SIDES

3/8" ZINC PLATED CORNER ANCHOR BOLT AND NUT

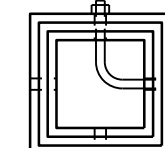
SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL

SIGN

TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY:

- Signpost Components:**
 - 2" STEEL TUBULAR SQUARE UPPER SECTION
 - ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C
 - ALL FOUR SIDES
 - $\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT
 - $\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT
 - 2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)
 - 2 1/4" SQUARE X 36"
- Sign Components:**
 - SIGN
 - SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL
- Dimensions:**
 - TELESCOPE PIECES FLUSH AT TOP
 - 36" (Total height of the 2 1/4" square section)
 - 18" (Height of the upper section)
 - 12" (Height of the lower section)
 - 1" (Distance from ground line to the top of the 2 1/2" square section)
- Other Labels:**
 - LENGTH SHOWN ON MISC. DTYS
 - A (Point of application of force)

3/8" ZINC PLATED CORNER
ANCHOR BOLT AND NUT



DIRECTION
OF TRAFFIC

SECTION A-A

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

PROJECT NO:

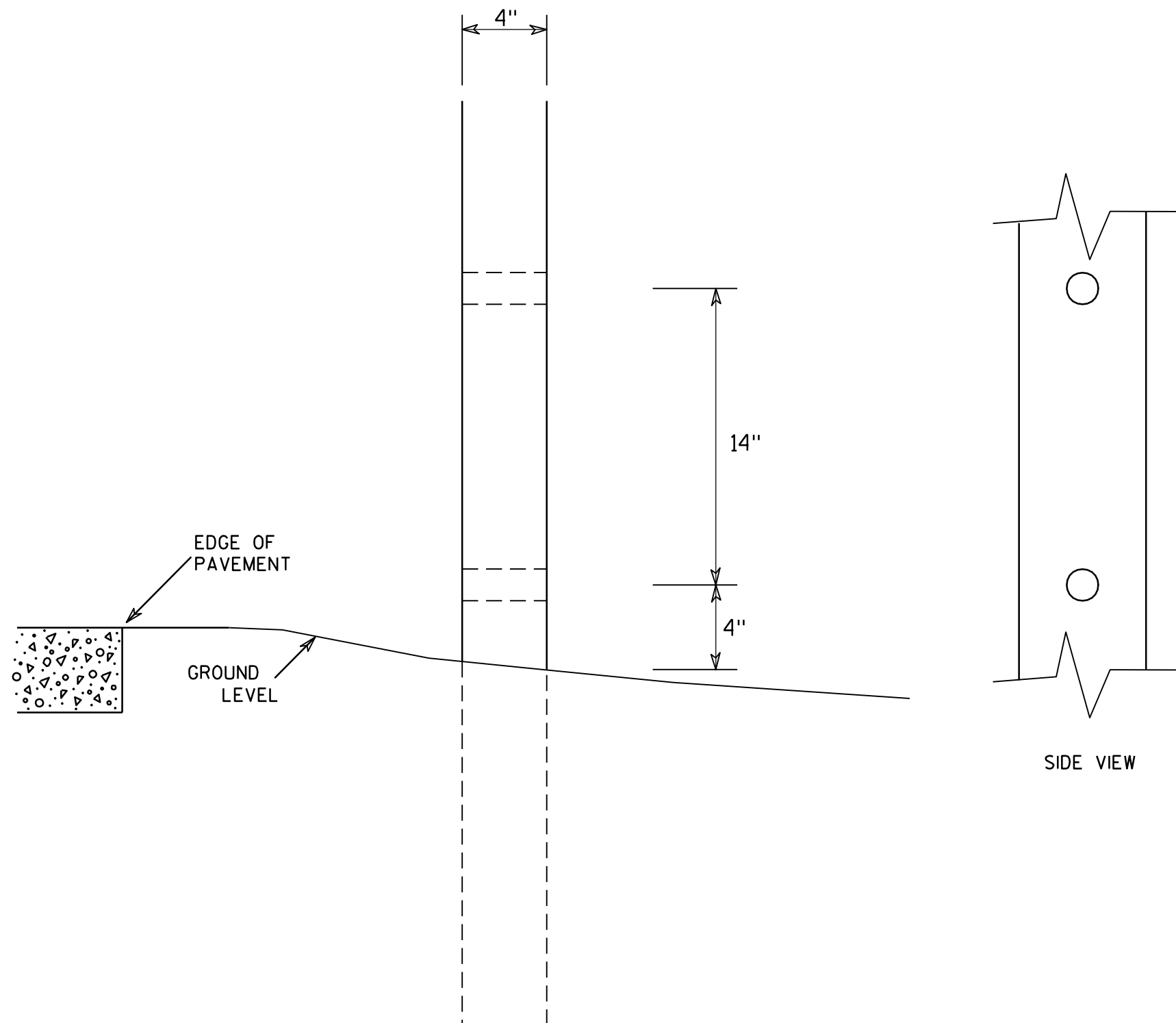
HWY:

COUNTY:

SHEET NO:

T

7

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

**4 X 6 WOOD POST
MODIFICATIONS**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

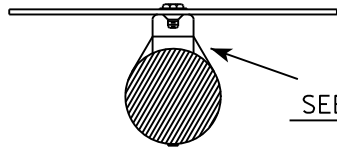
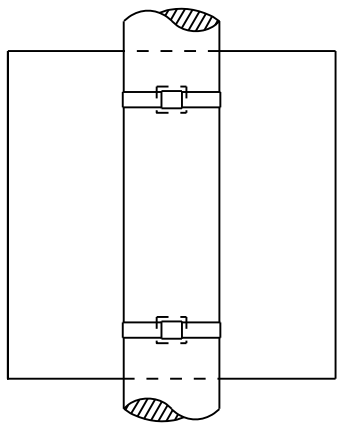
COUNTY:

SHEET NO:

E

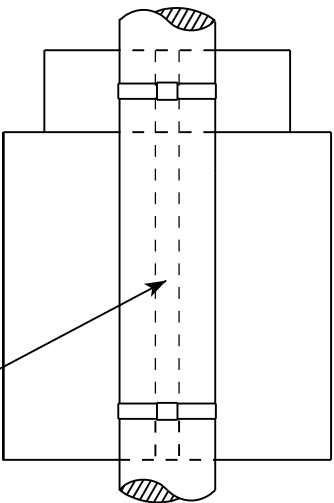
BANDING

SINGLE SIGN

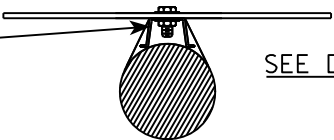


SEE DETAIL A

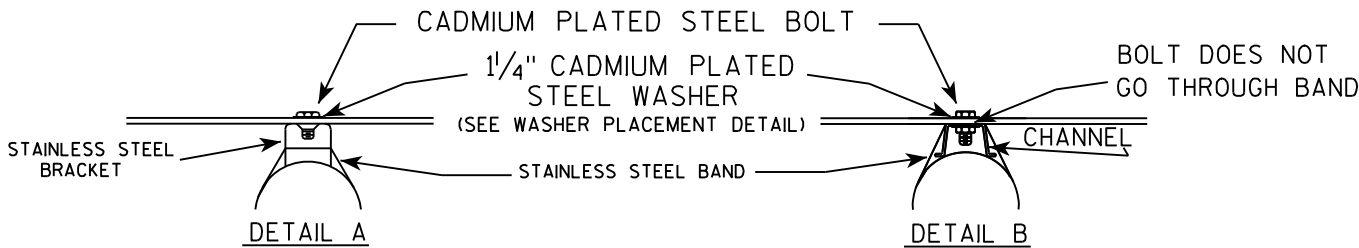
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



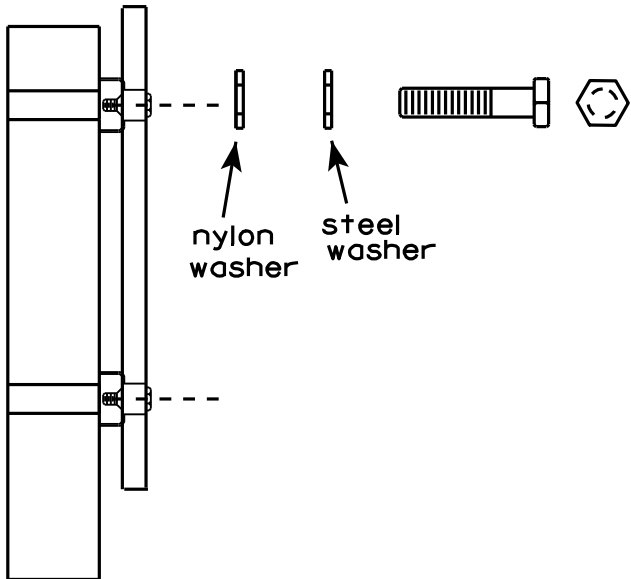
SEE DETAIL B



GENERAL NOTES

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

WASHER PLACEMENT



nylon washer

steel washer

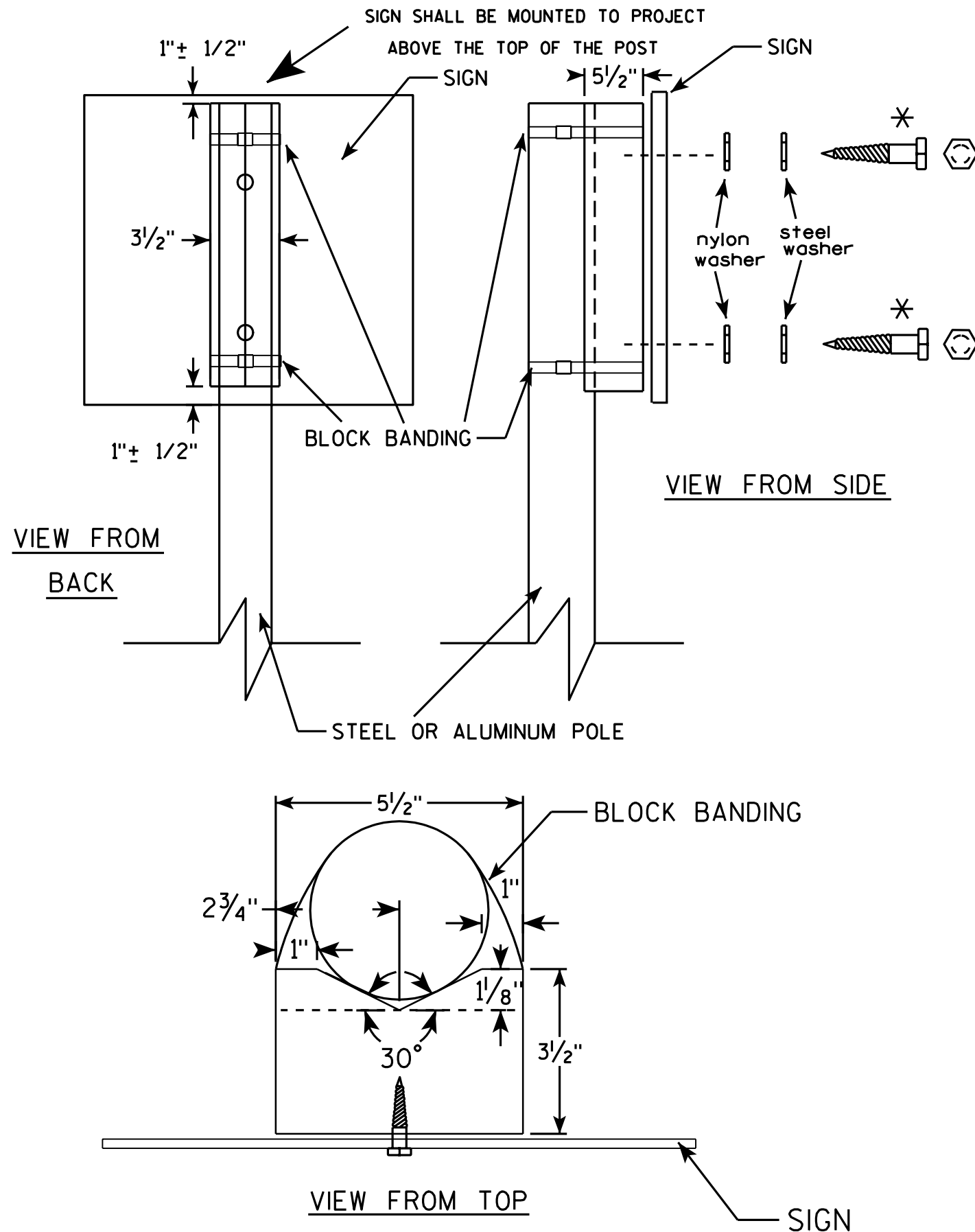
WASHERS (ALL POSTS) -
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3



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, or
 - b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
 - c. 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 1/4" O.D. X 3/8" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1 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 *Matthew R. Rauch*
for State Traffic Engineer

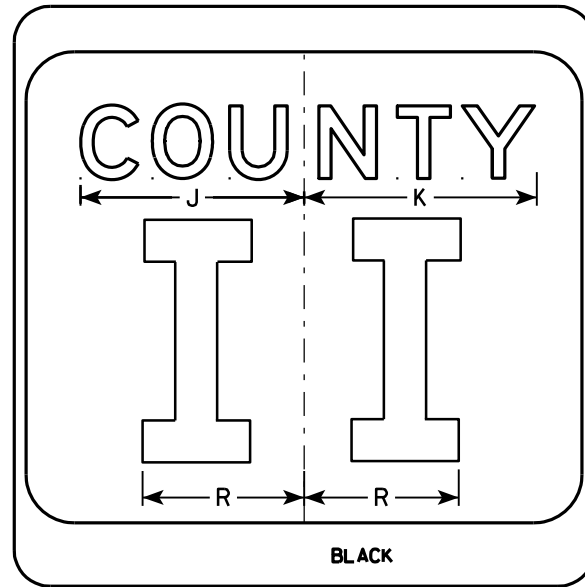
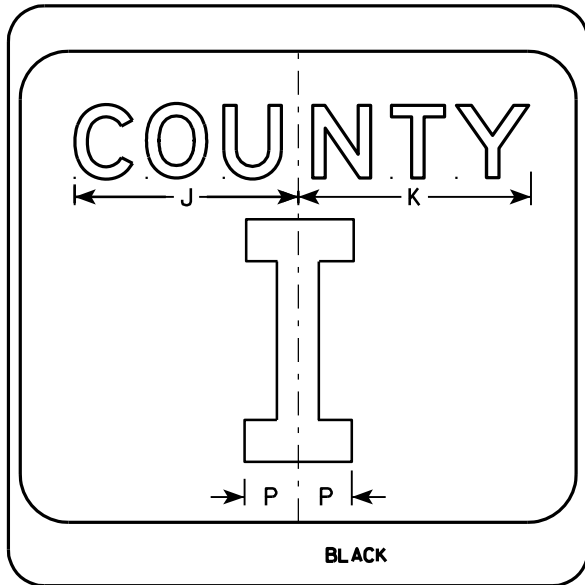
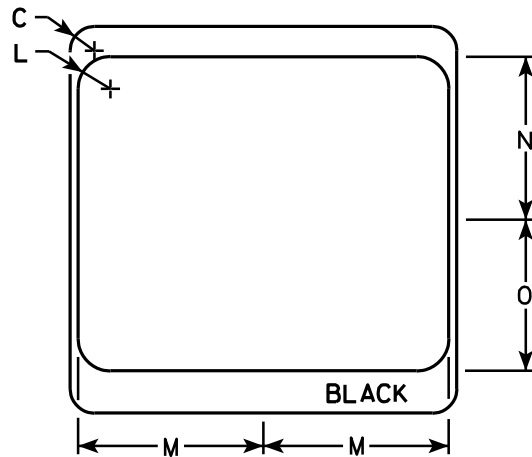
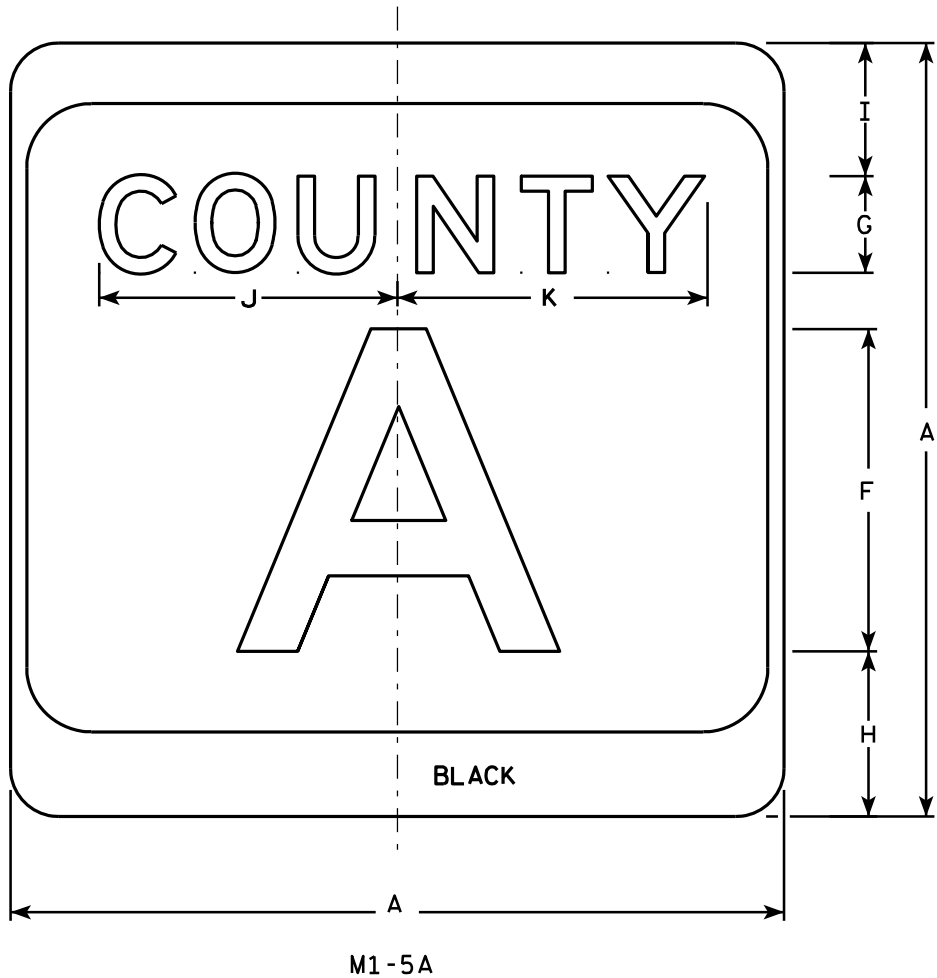
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO:

E

7



NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 7
Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
Message Series D for 2 letters unless message is too big then Series C.
Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective

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																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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CTH MARKER

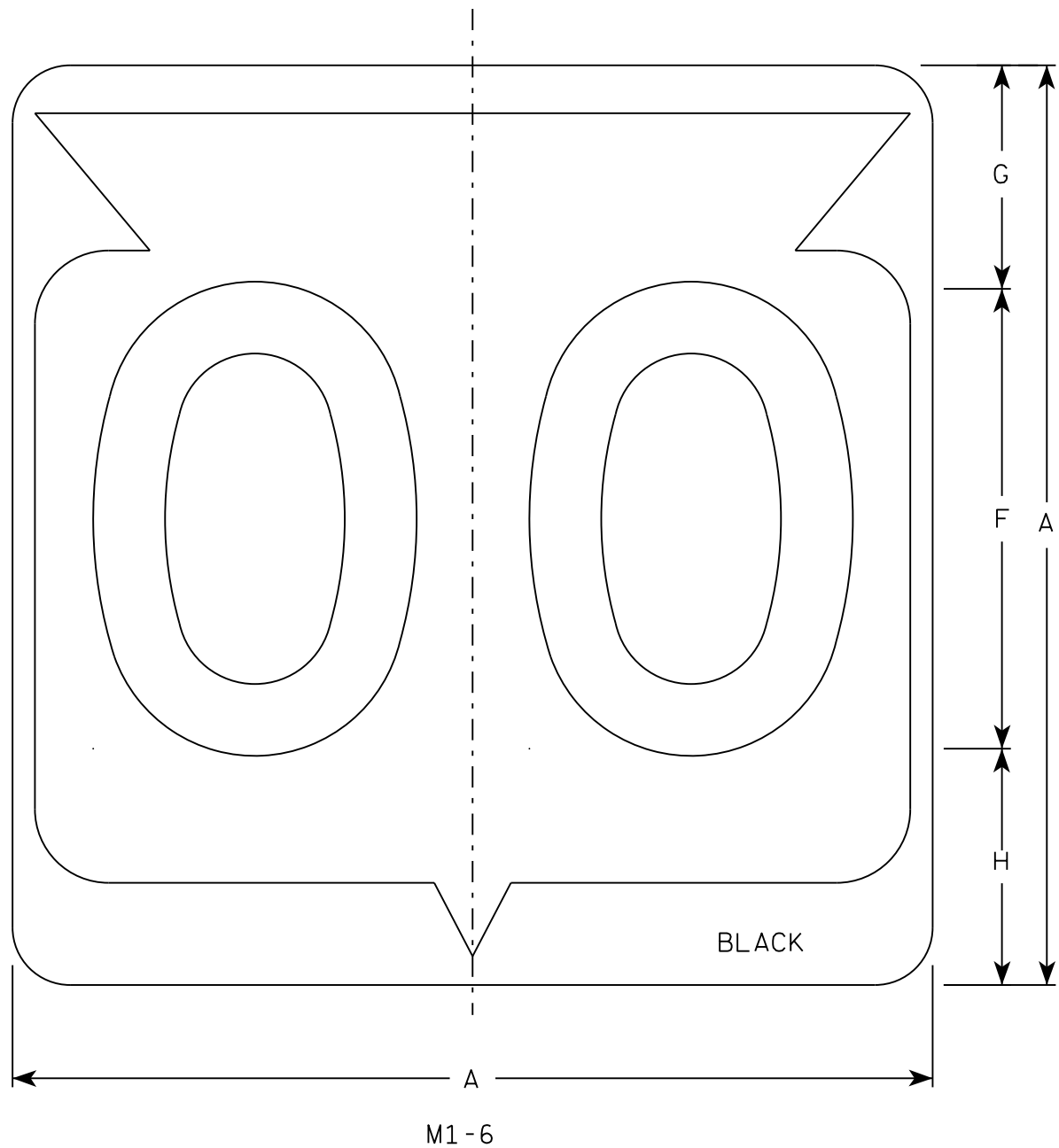
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

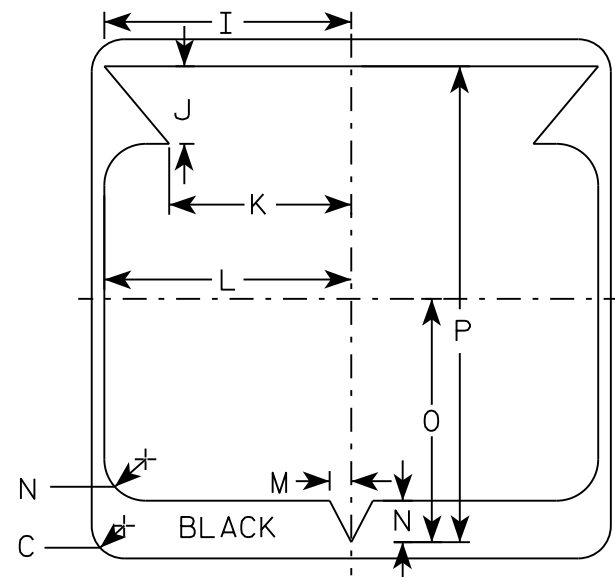
DATE 9/27/11 PLATE NO. M1-5A.8

7



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



7

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																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

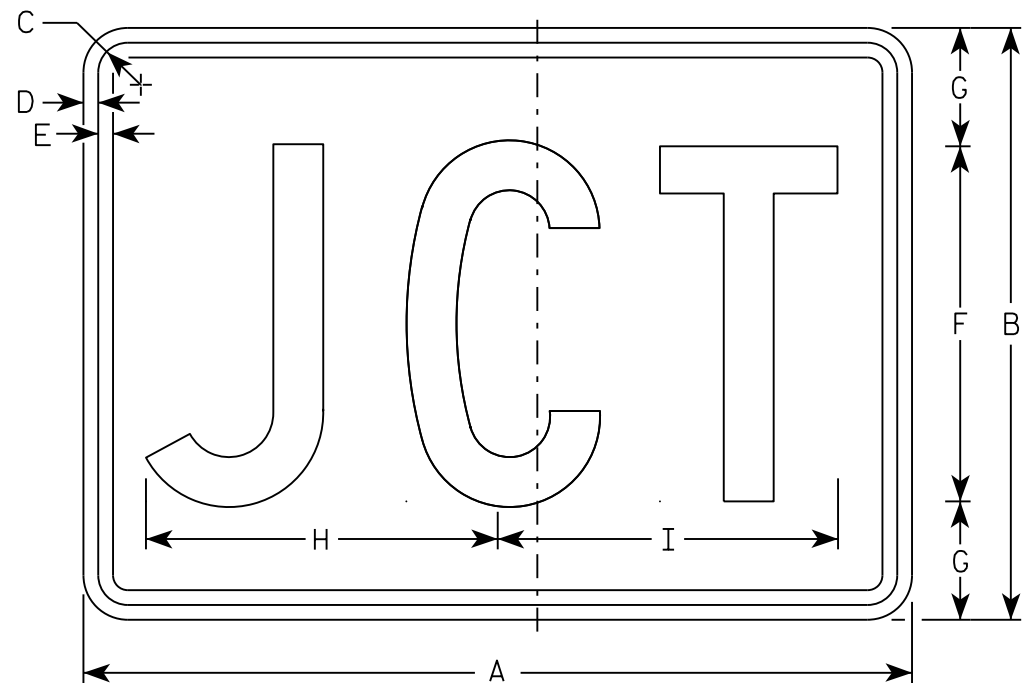
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

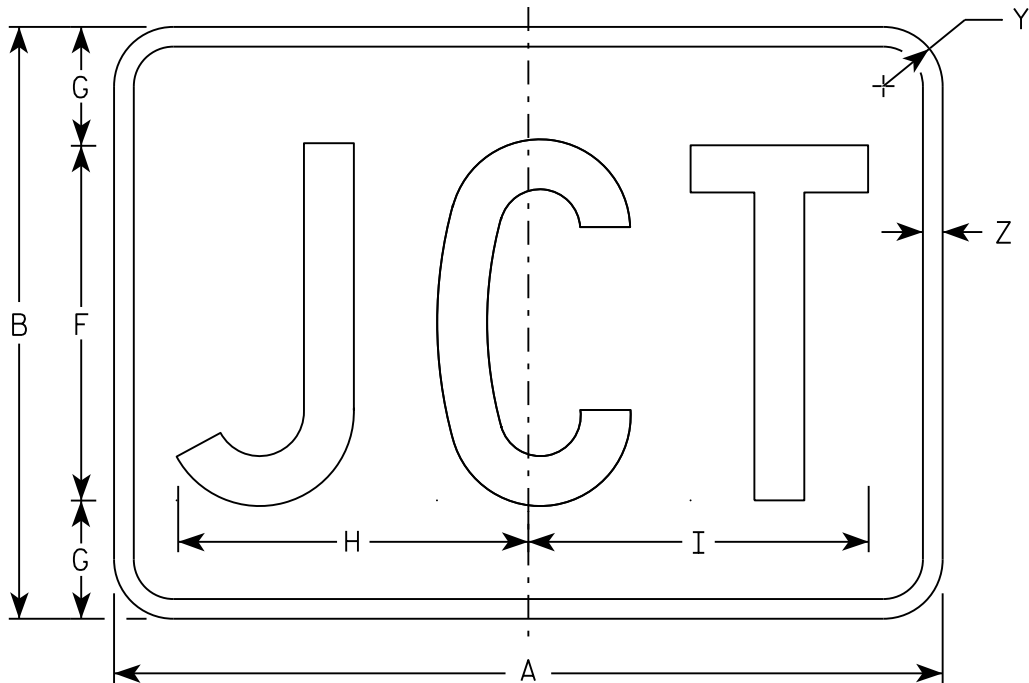
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

SHEET NO: E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

- 1. Sign is Type II - Type H
- 2. Color:
 - Background - See note 5
 - Message - See note 5
- 3. Message Series - C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M2-1 Background - White
 Message - Black
 MB2-1 Background - Blue
 Message - White
 MK2-1 Background - Green
 Message - White
 MM2-1 Background - White
 Message - Green
 MN2-1 Background - Brown
 Message - White
 MP2-1 Background - White
 Message - Blue
 MR2-1 Background - Brown
 Message - Yellow

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																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

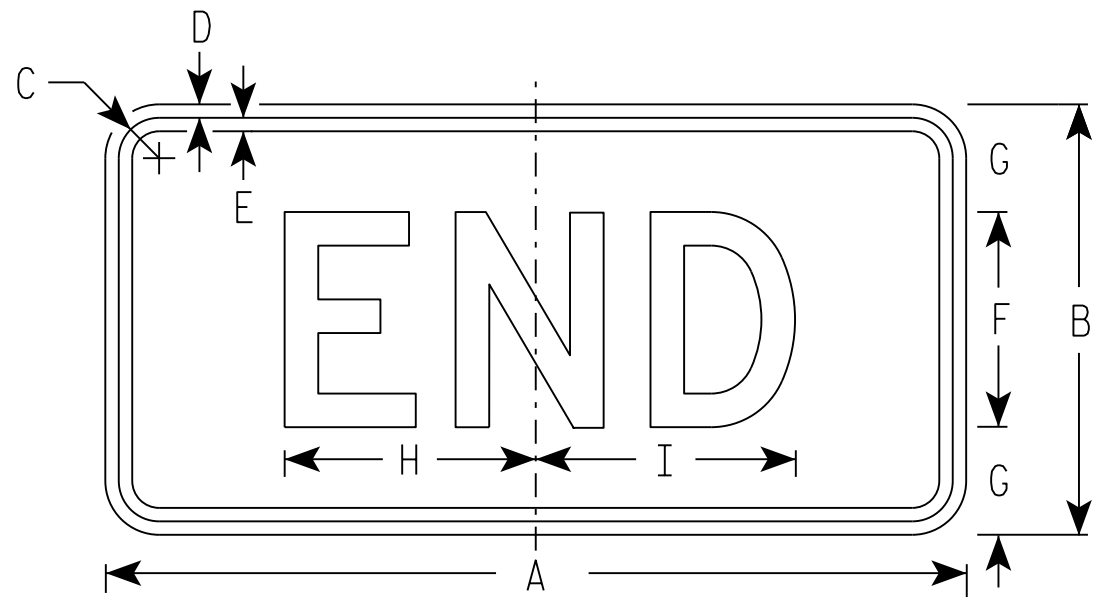
APPROVED

Matthew R. Rauch

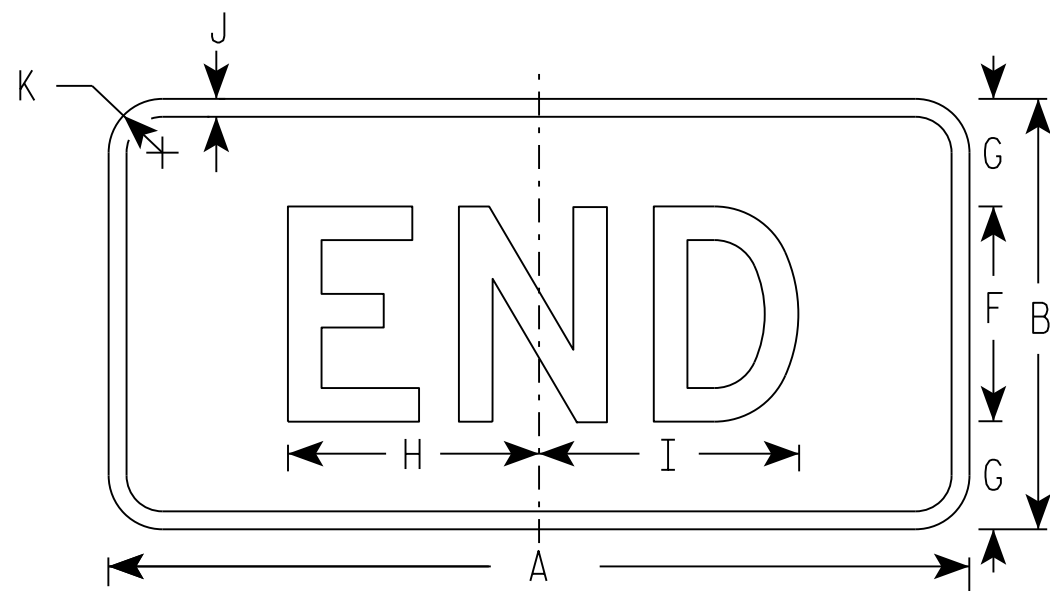
For State Traffic Engineer

DATE 10/15/15

PLATE NO. M2-1.12



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

- Sign is Type II - Type H
- Color:
Background - See note 5
Message - See note 5
- Message Series - D
- 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.
- M4-6 Background - White
Message - Black
MB4-6 Background - Blue
Message - White
MK4-6 Background - Green
Message - White
MM4-6 Background - White
Message - Green
MN4-6 Background - Brown
Message - White
MP4-6 Background - White
Message - Blue
MR4-6 Background - Brown
Message - Yellow

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																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

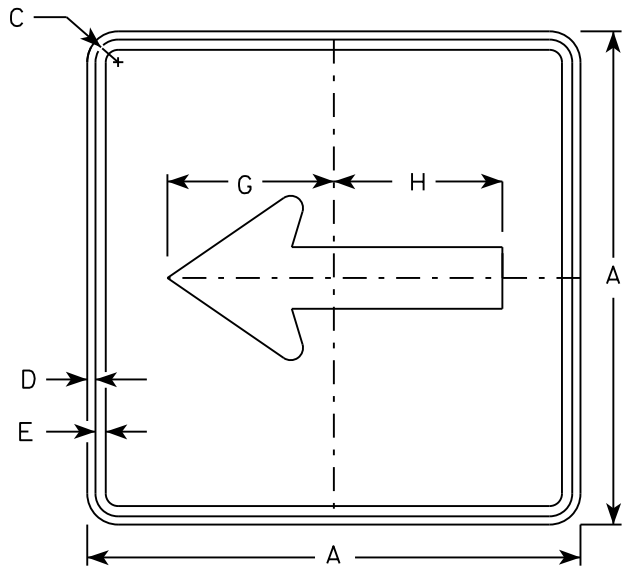
E

STANDARD SIGN
M4-6

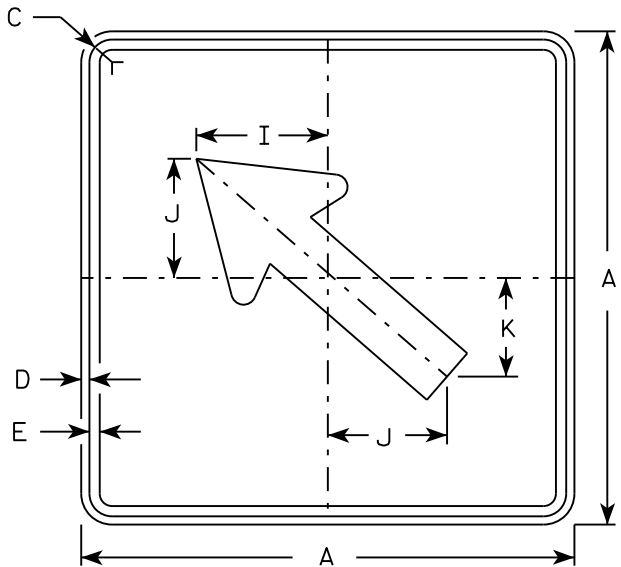
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

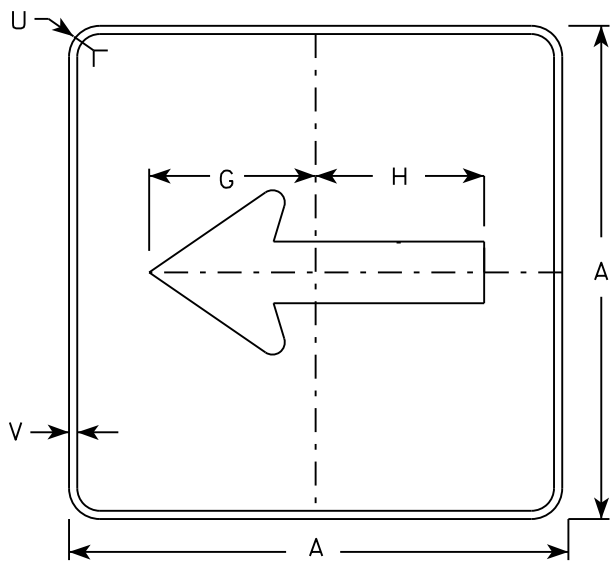
DATE 10/15/15 PLATE NO. M4-7.9



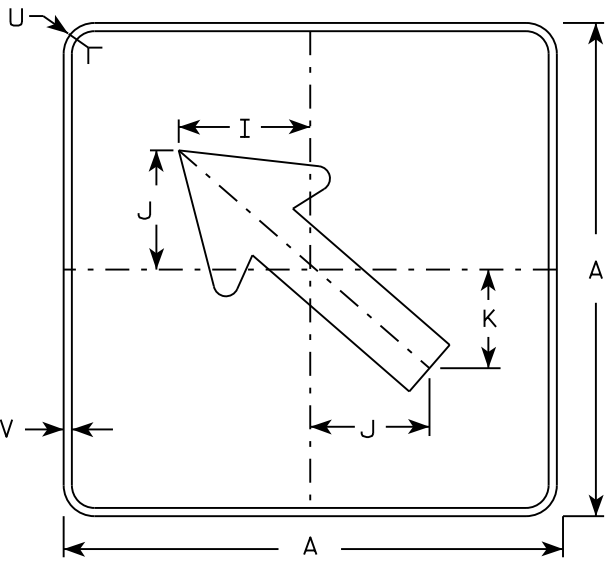
M6 - 1
MM6 - 1
M06 - 1
MP6 - 1



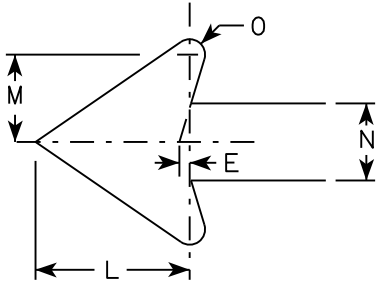
M6 - 2
MM6 - 2
M06 - 2
MP6 - 2



MB6 - 1
MK6 - 1
MN6 - 1
MR6 - 1



MB6 - 2
MK6 - 2
MN6 - 2
MR6 - 2



NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See note 4
Message - See note 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.
- M6-1 and M6-2 Background - White
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White
MK6-1 and MK6-2 Background - Green
Message - White
MM6-1 and MM6-2 Background - White
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White
M06-1 and M06-2 Background - Orange - Type F Reflective
Message - Black
MP6-1 and MP6-2 Background - White
Message - Blue
MR6-1 and MR6-2 Background - Brown
Message - Yellow

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																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

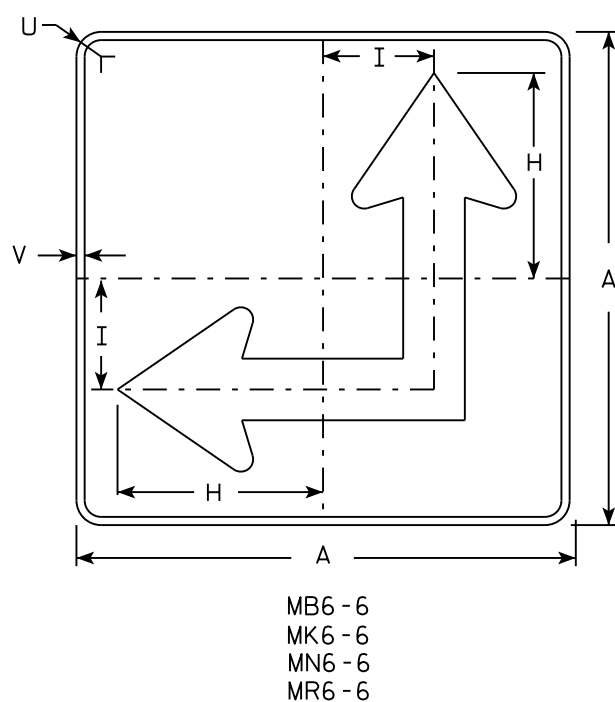
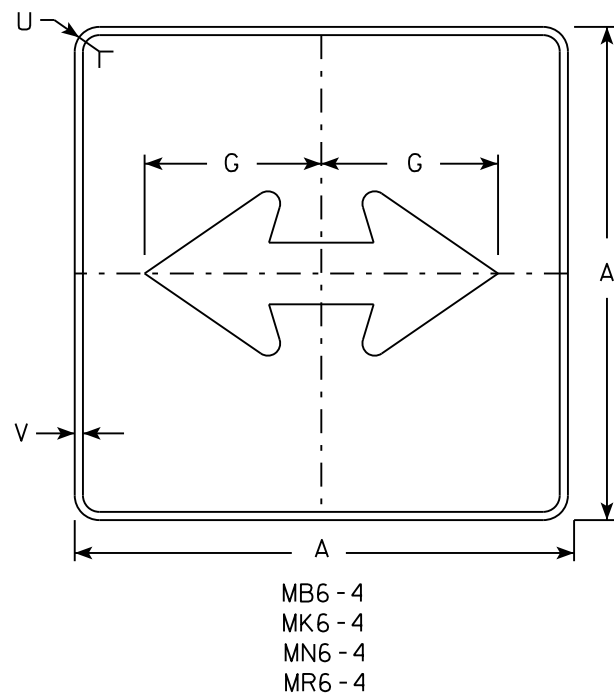
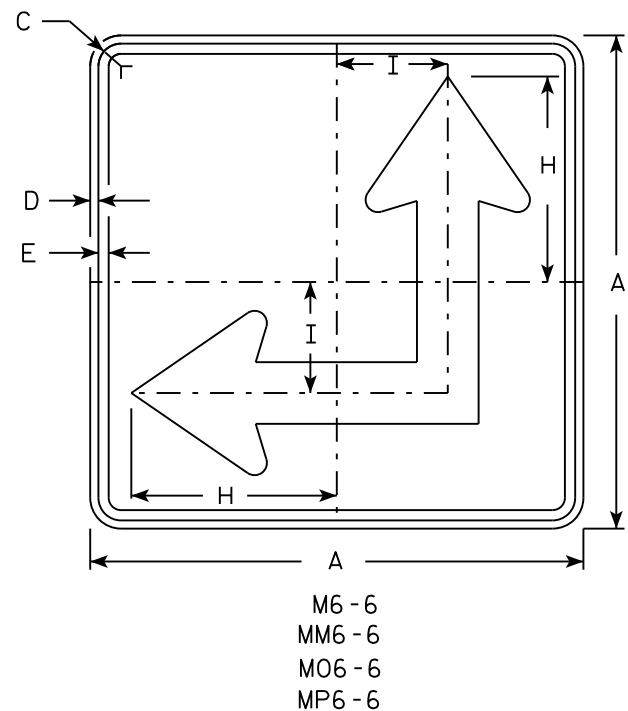
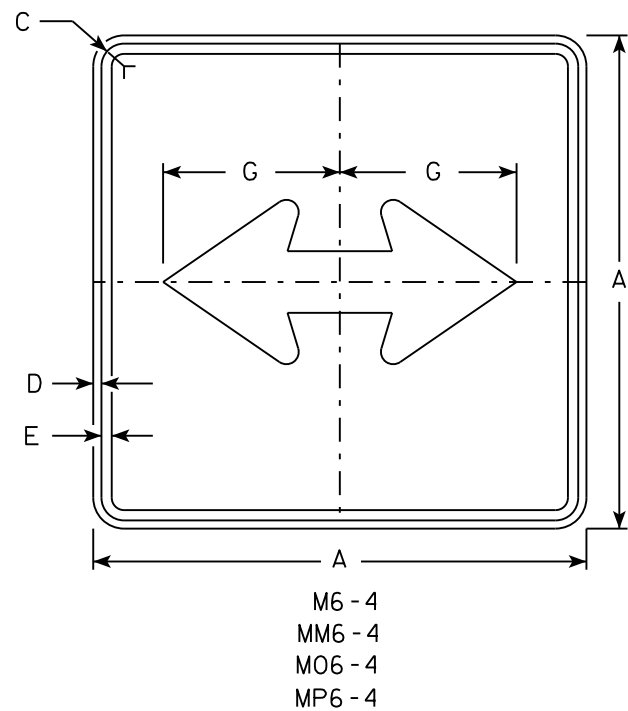
E

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

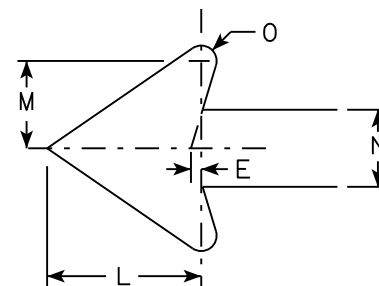
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-1.15



NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See Note 4
Message - See Note 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.
- M6-4 and M6-6 Background - White
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White
MK6-4 and MK6-6 Background - Green
Message - White
MM6-4 and MM6-6 Background - White
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White
M06-4 and M06-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow
- M6-6R same as M6-6L except arrow points ahead and right.



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																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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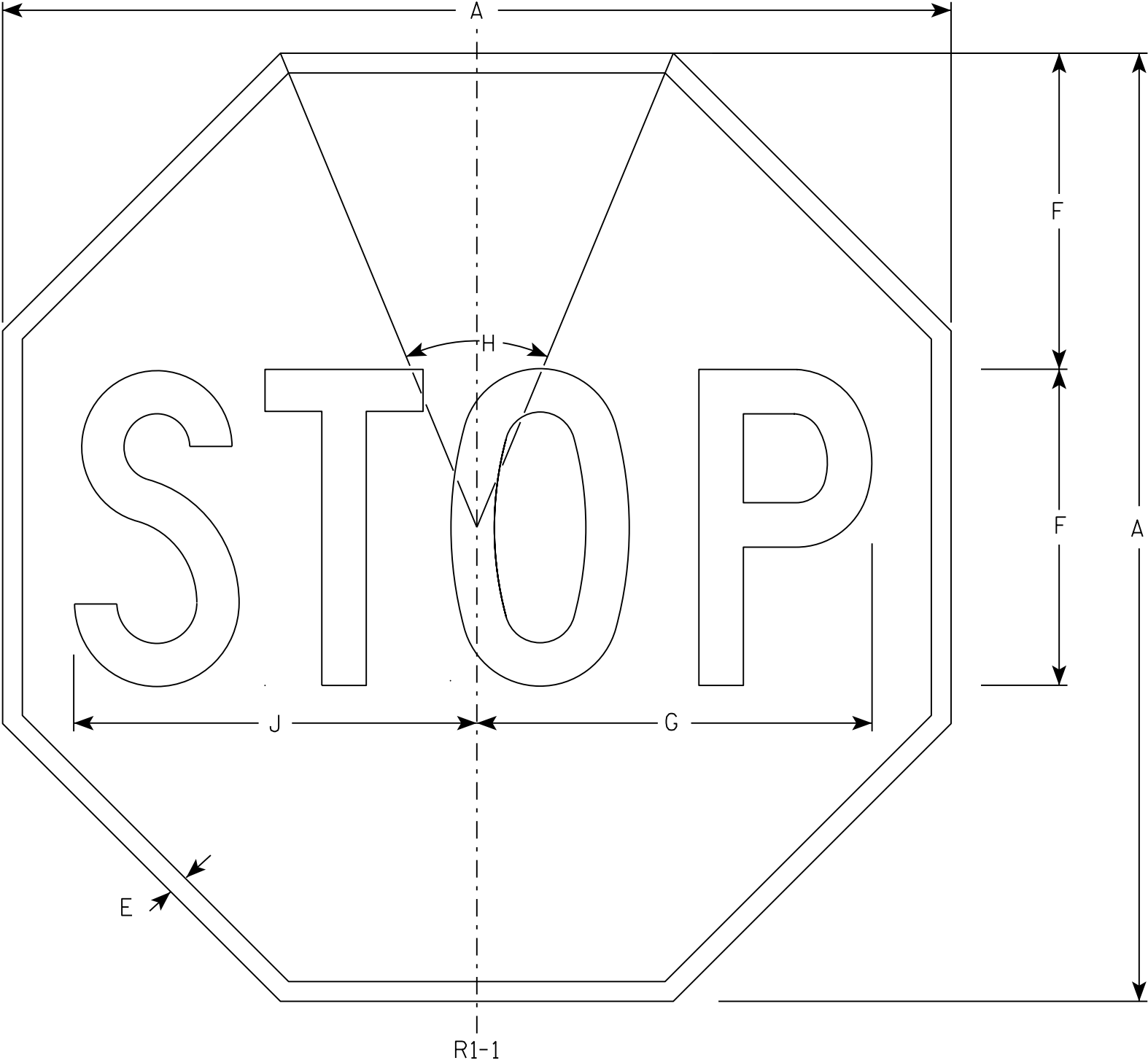
STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-4.10

7



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Red
Message - White
- 3. Message Series - C

7

R1-1

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				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

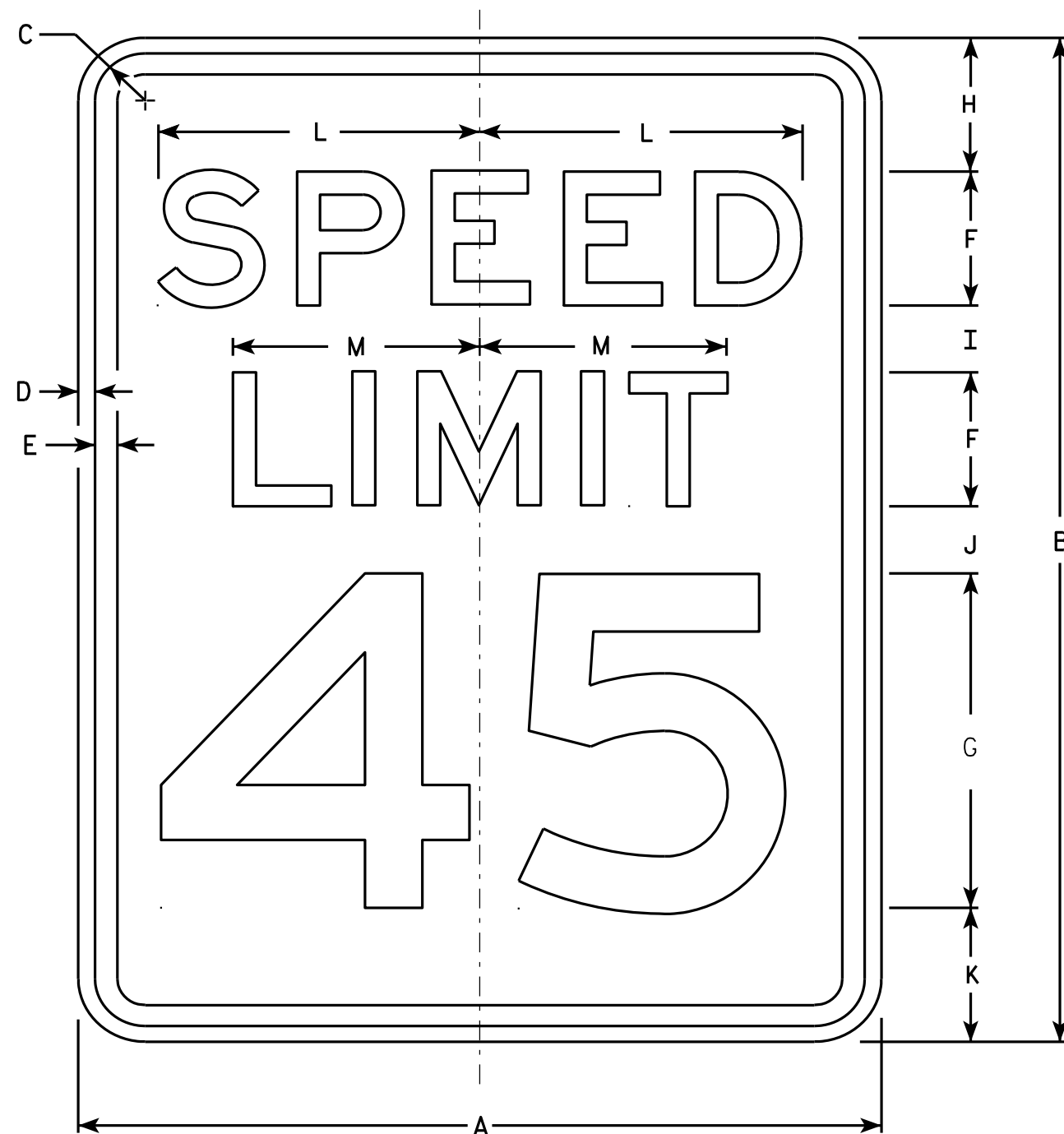
STANDARD SIGN

R1 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
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 adjust spacing to achieve proper balance.

R2-1

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	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:

HWY:

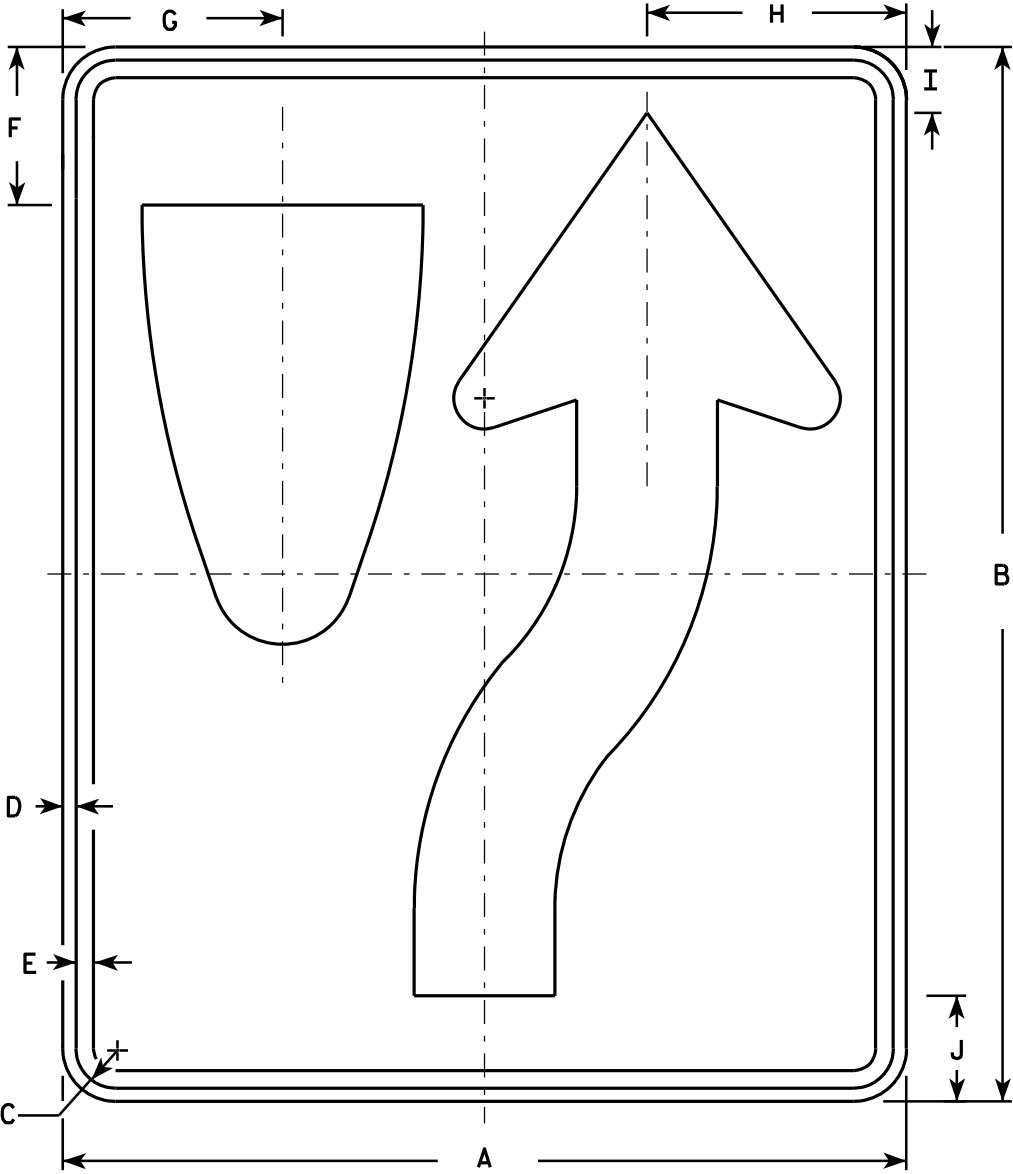
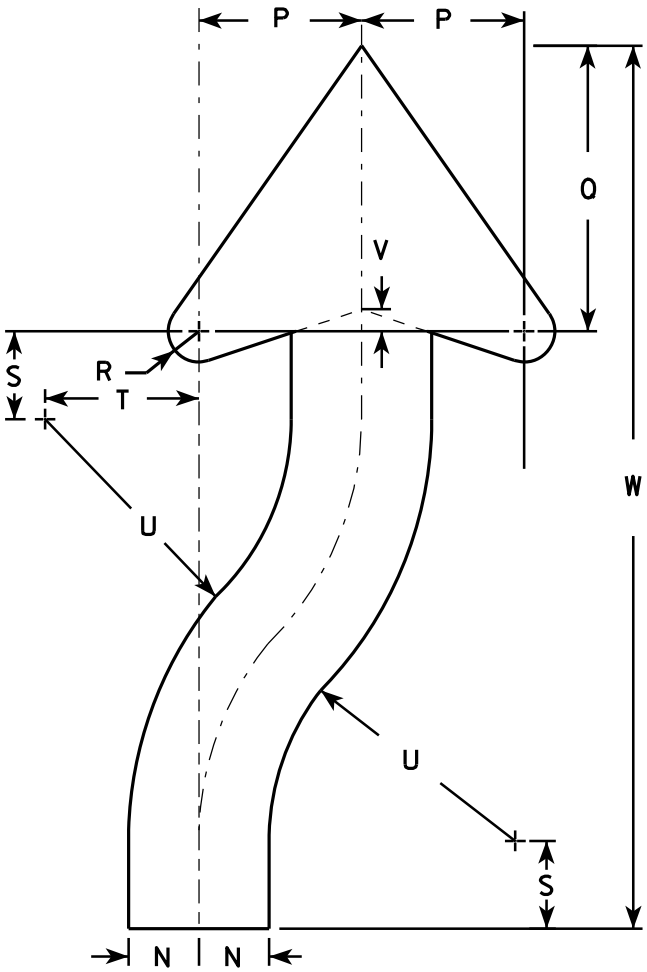
COUNTY:

SHEET NO:

E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
Background - White
Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN

R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:

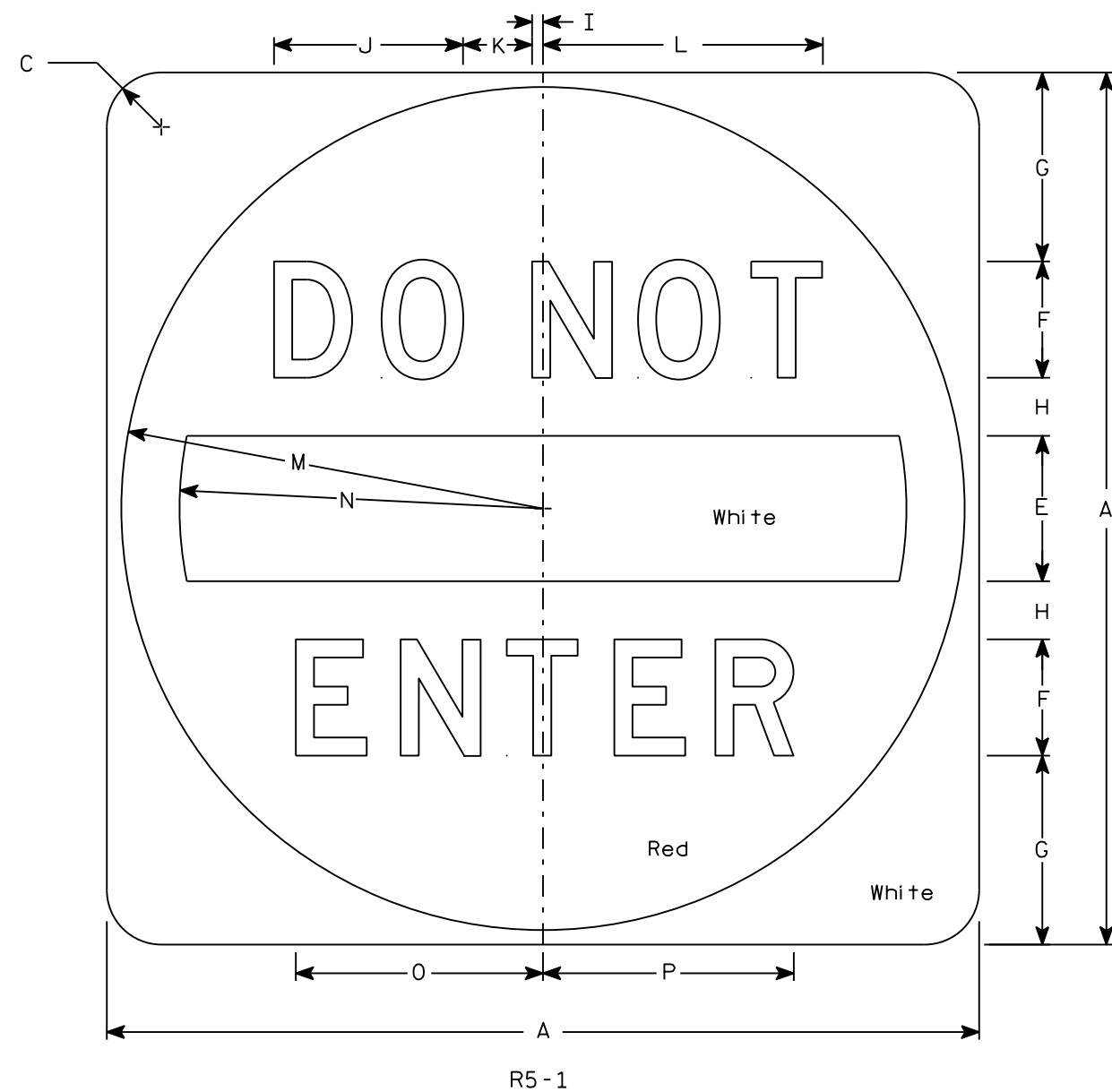
HWY:

COUNTY:

SHEET NO:

E

7



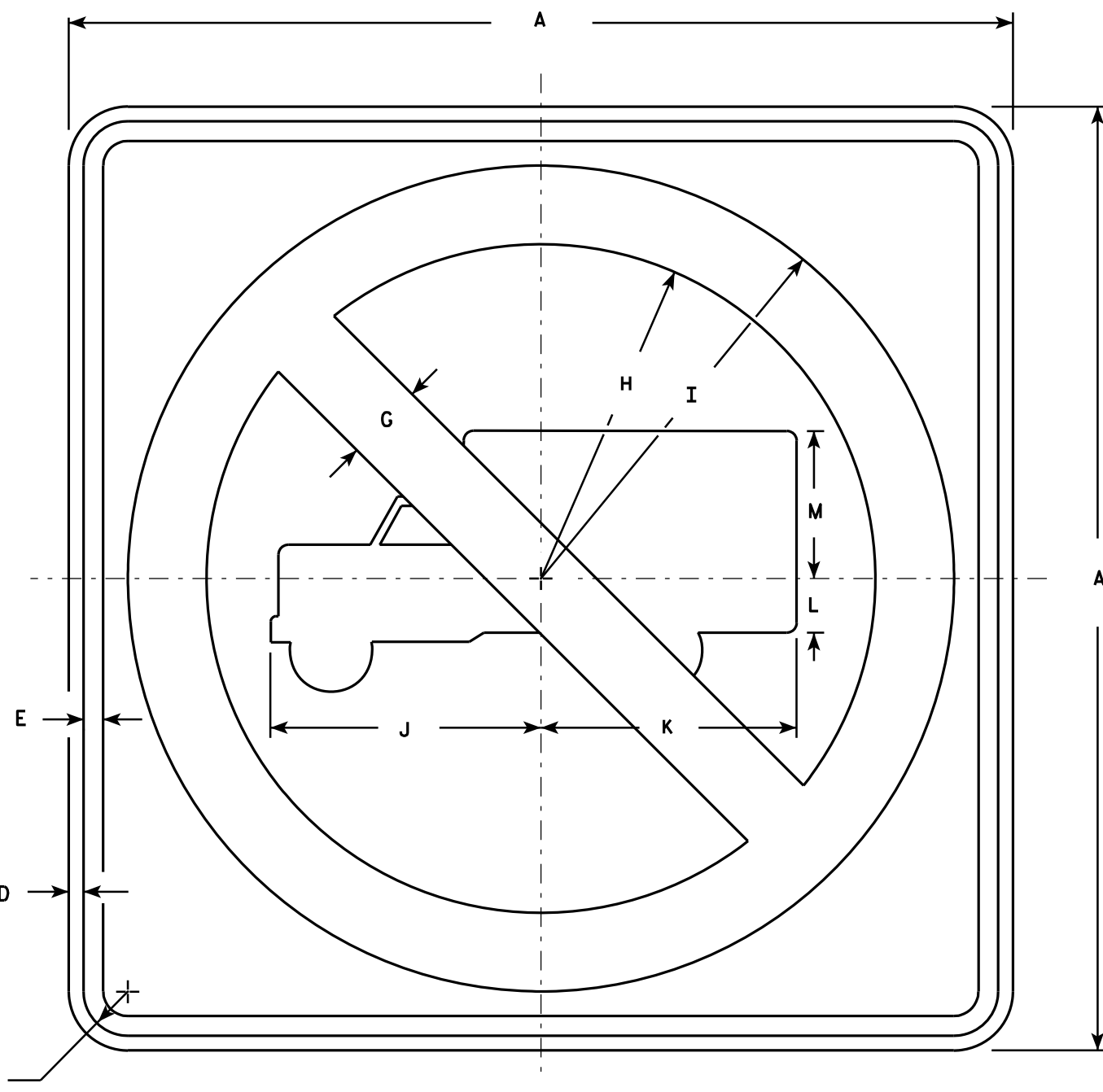
NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
 - Background - See detail
 - Message - White
- 3. Message Series - D

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																											
2S	30		1 7⁄8		5	4	6 1⁄2	2	3⁄8	6 1⁄2	2 3⁄8	9 5⁄8	14 1⁄2	12 1⁄2	8 1⁄2	8 5⁄8											6.25
2M	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
3	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
4	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
5	48		3		8	6	11	3	5⁄8	9 3⁄4	3 5⁄8	14 1⁄2	23 1⁄2	20	12 3⁄4	12 7⁄8											16.0

STANDARD SIGN R5-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 3/15/18	PLATE NO. R5-1.16



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - See Note 4
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. Circle & Diagonal - Reflective red.
Truck Symbol & Border - Non-reflective black.

R5-2

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																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

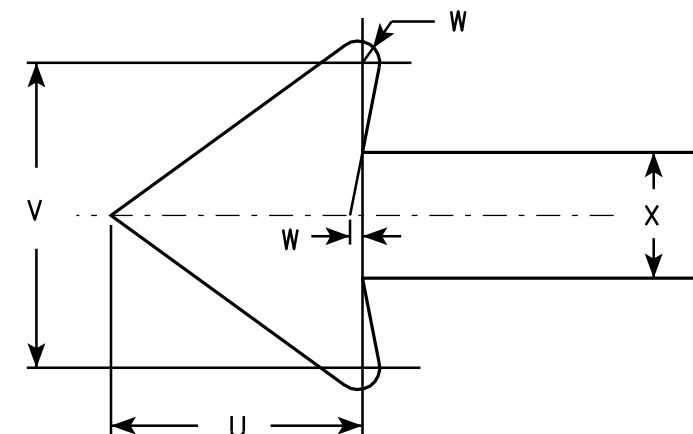
E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
R7-1L (left arrow)
R7-1R (right arrow)



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 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

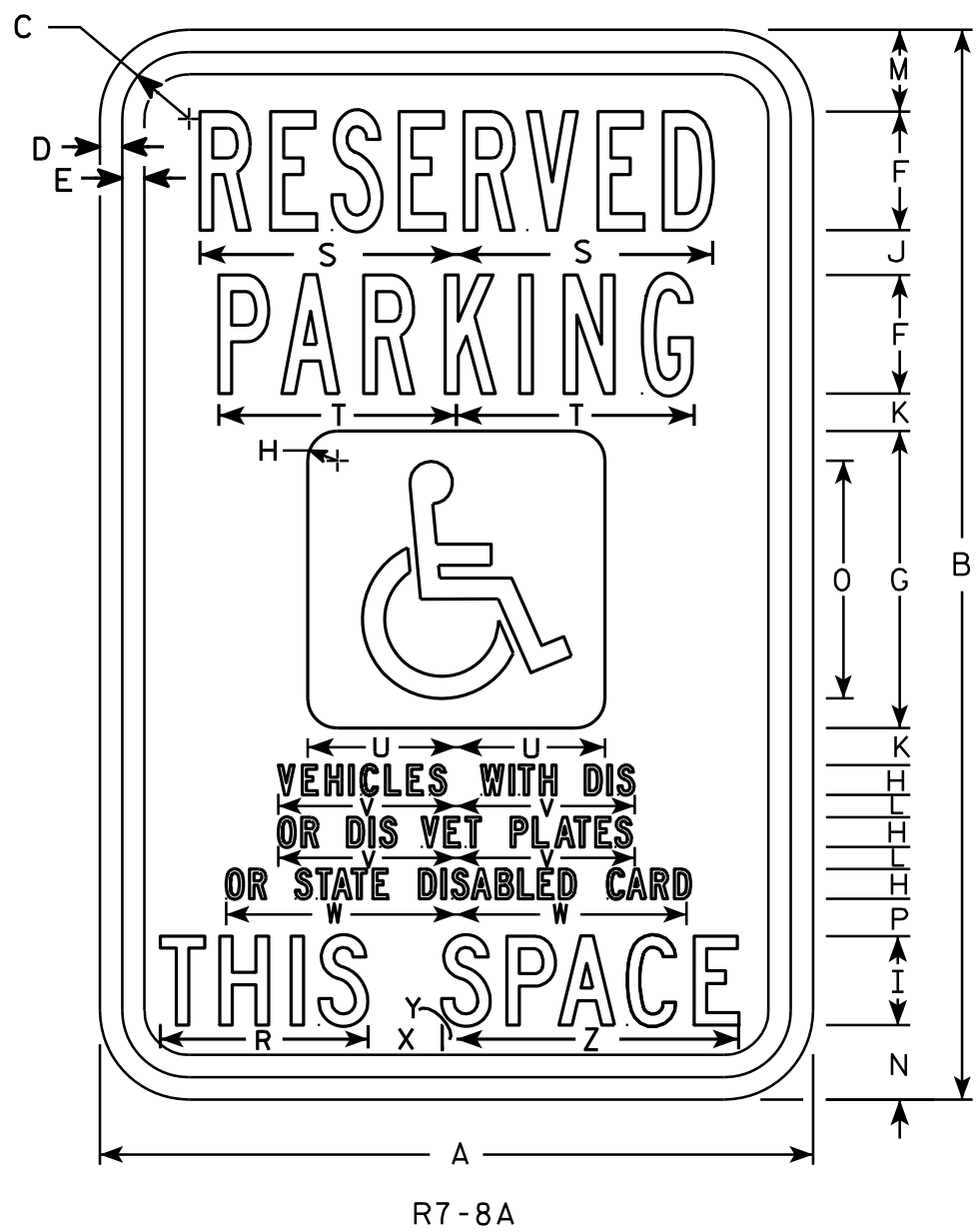
STANDARD SIGN R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Sign is white Type H Reflective; paraplegic background is blue.
 - Message - Legend and border are green; paraplegic symbol is white
- 3. Message Series - Lines 1 & 2 are Series B
Lines 3, 4, 5 & 6 are Series C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

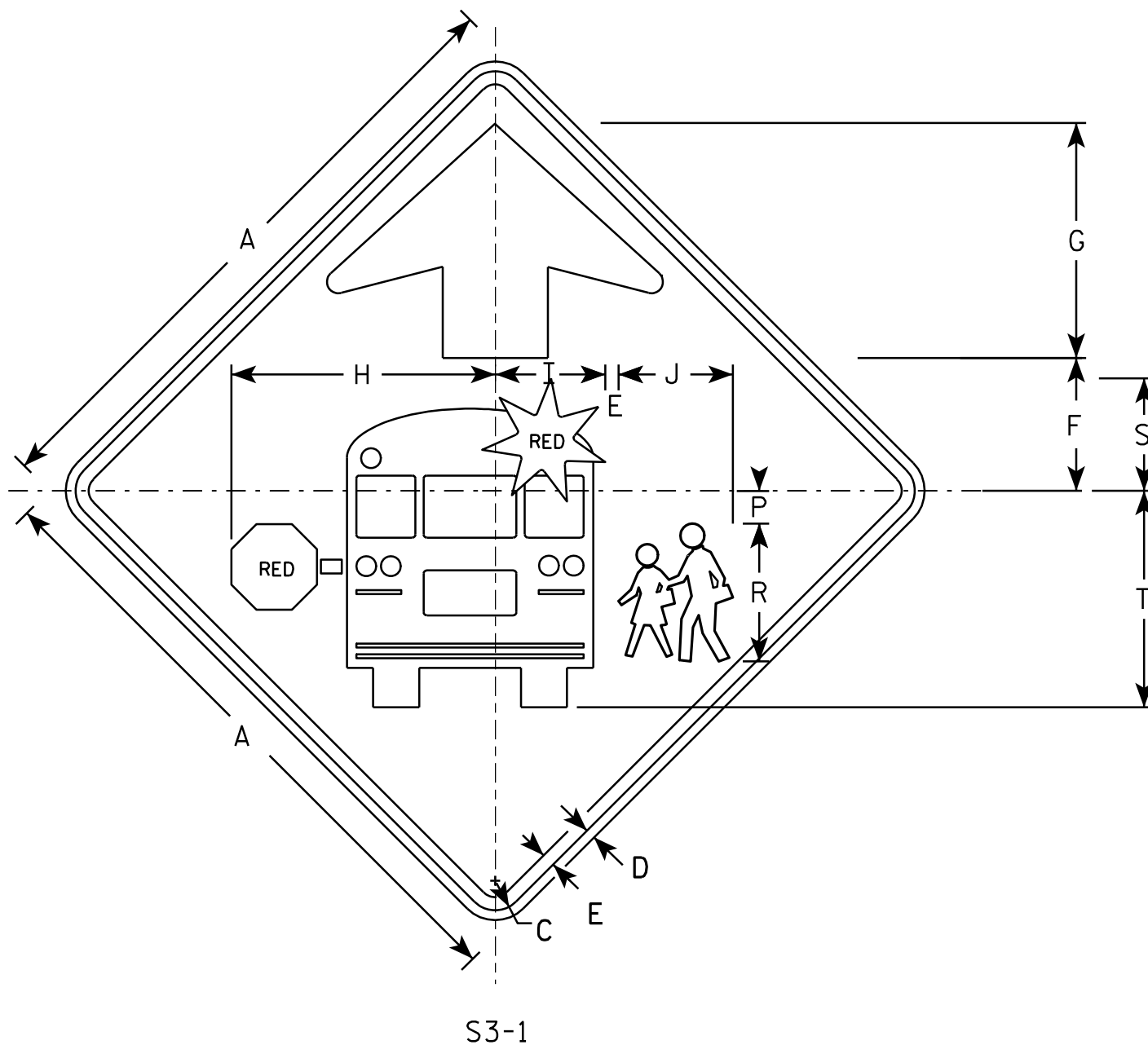
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2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

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

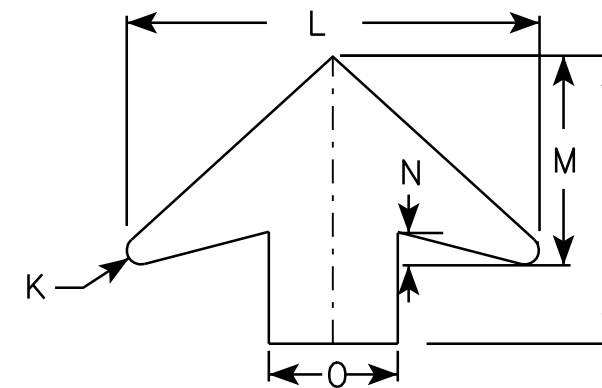
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

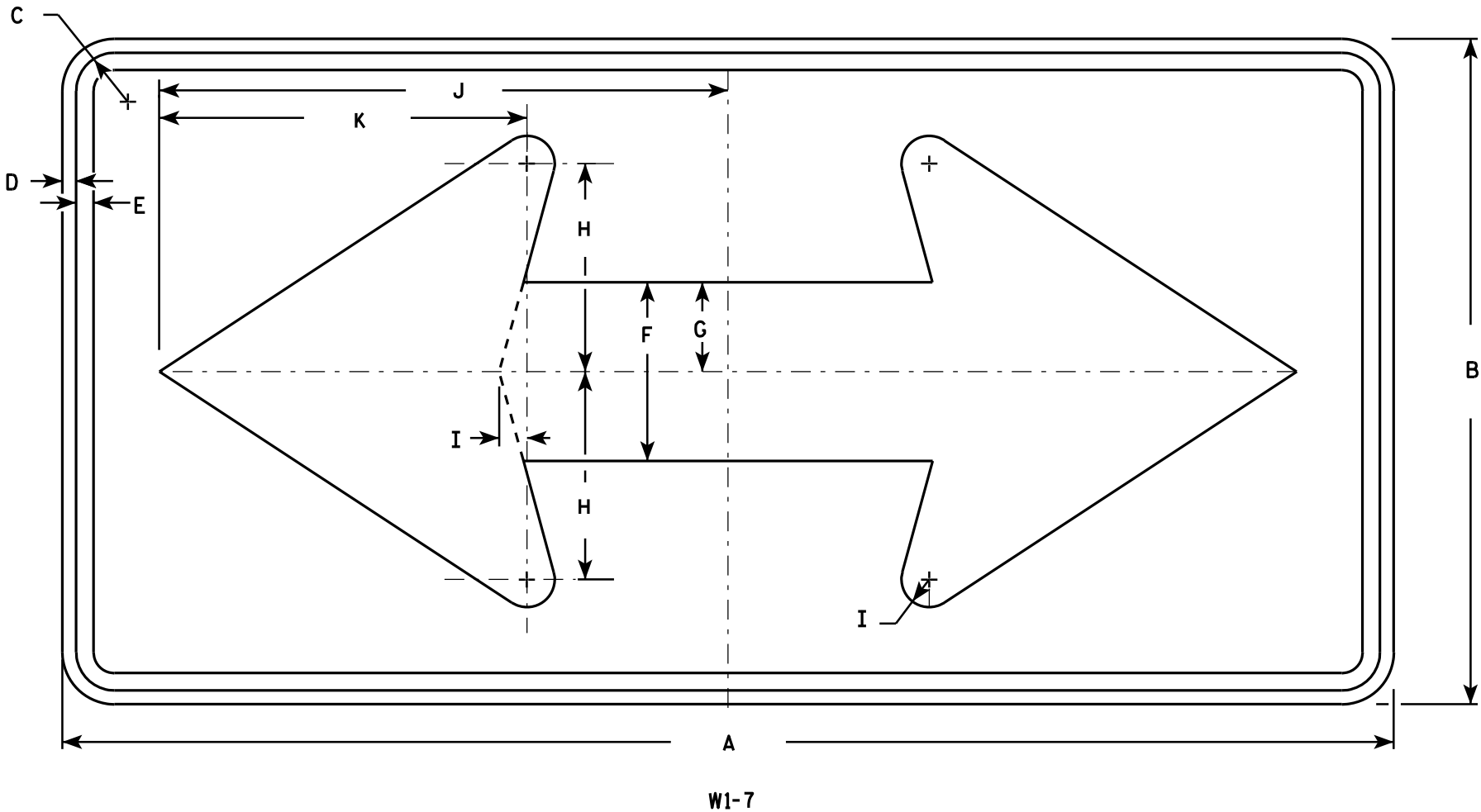


NOTES

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.

[illegible]

STANDARD SIGN	
S3-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<u>Matthew R. Rauch</u> for State Traffic Engineer
DATE <u>6/8/10</u>	PLATE NO. <u>S3-16</u>



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.

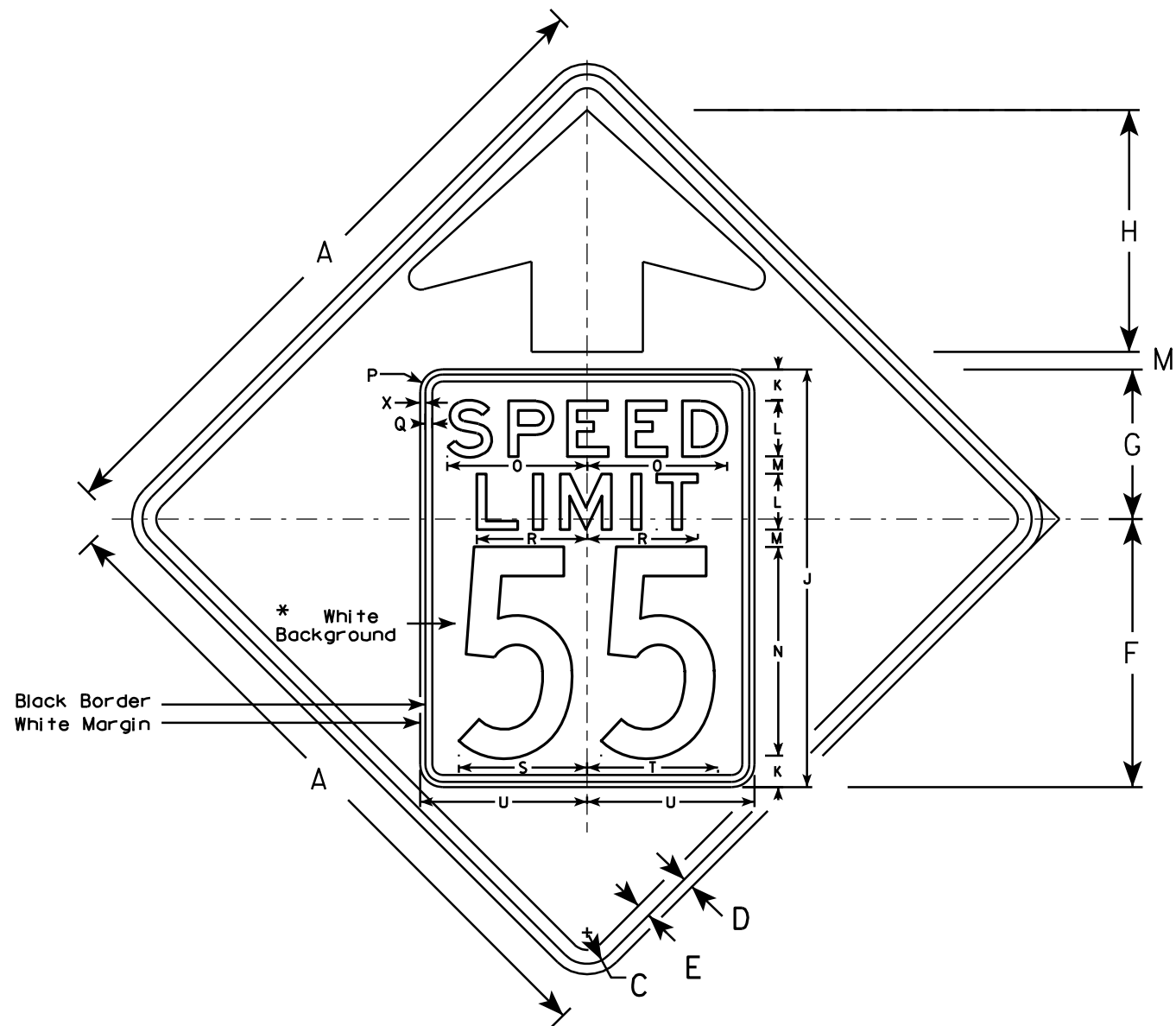
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

STANDARD SIGN
W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

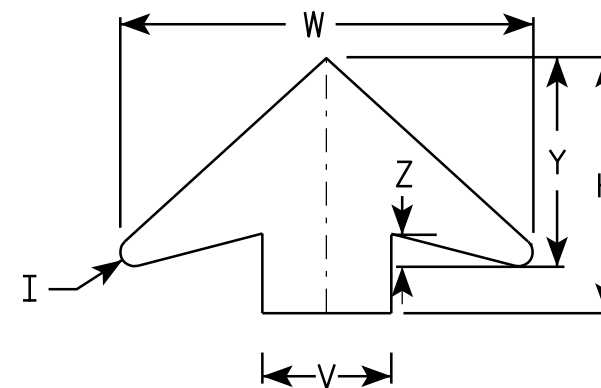


W3-5

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 - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



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																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN

W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

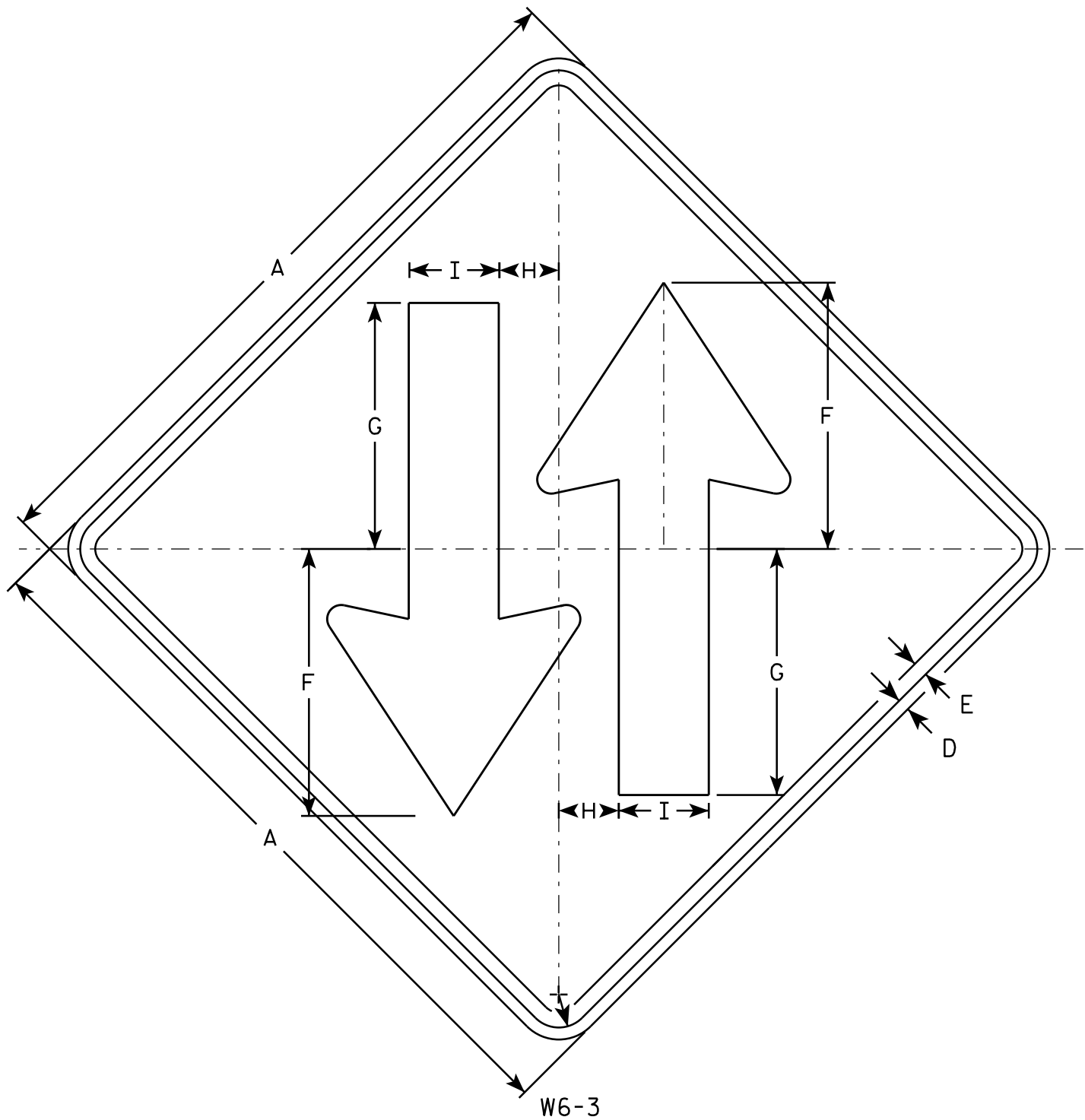
DATE 5/29/12

PLATE NO. W3-5.5

PROJECT NO:

SHEET NO:

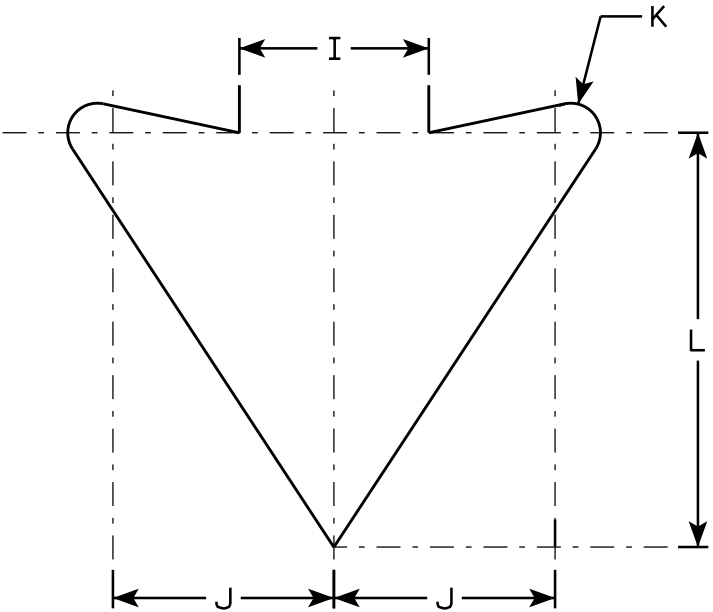
E



W6-3

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.



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

STANDARD SIGN
W6-3

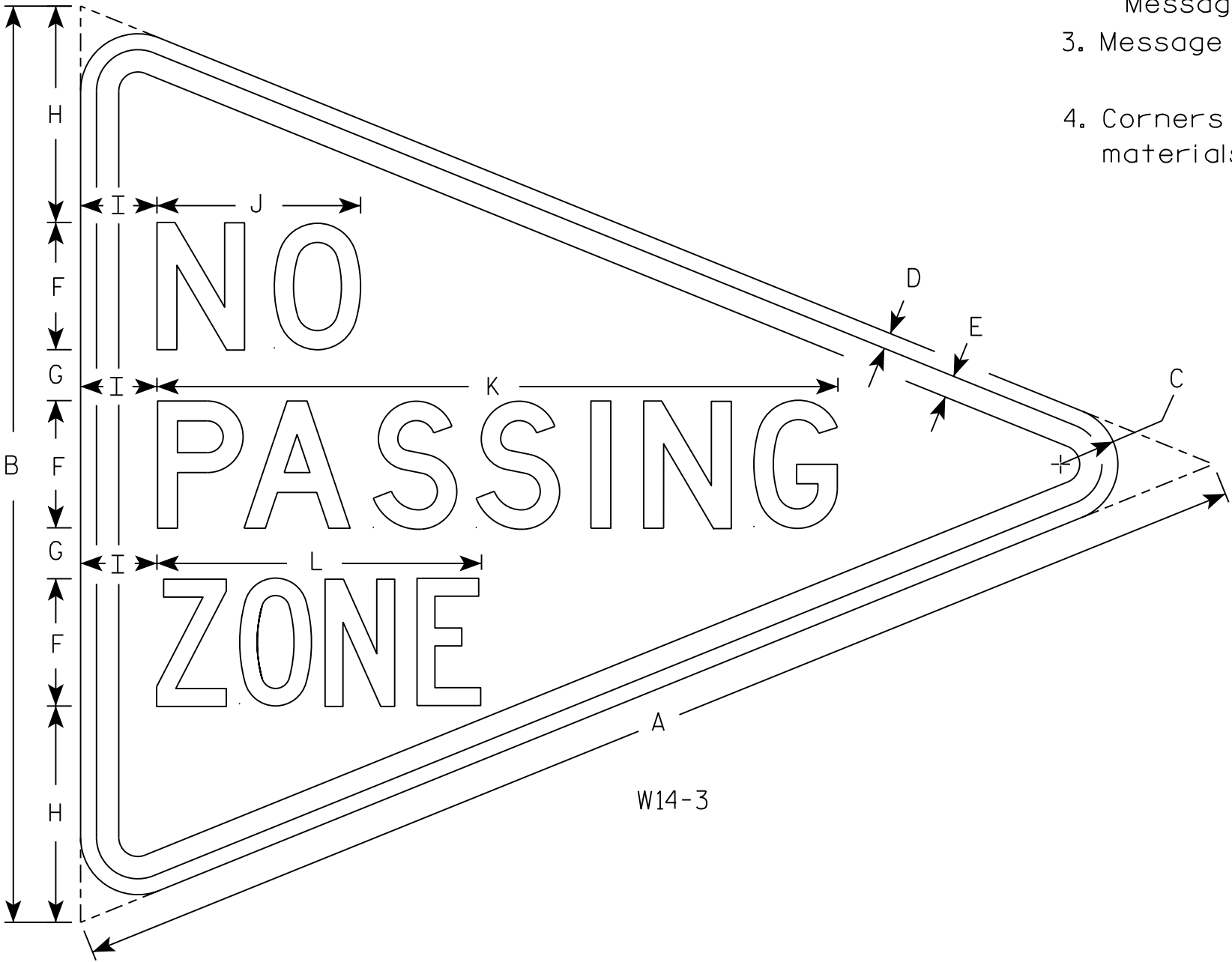
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE NO. W6-3.11

NOTES

- 1. Sign is Type II- Type F Reflective
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - Lines 1 and 2 are Series D.
Line 3 is series C.
- 4. Corners and borders shall be rounded on all base materials for this sign.



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																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

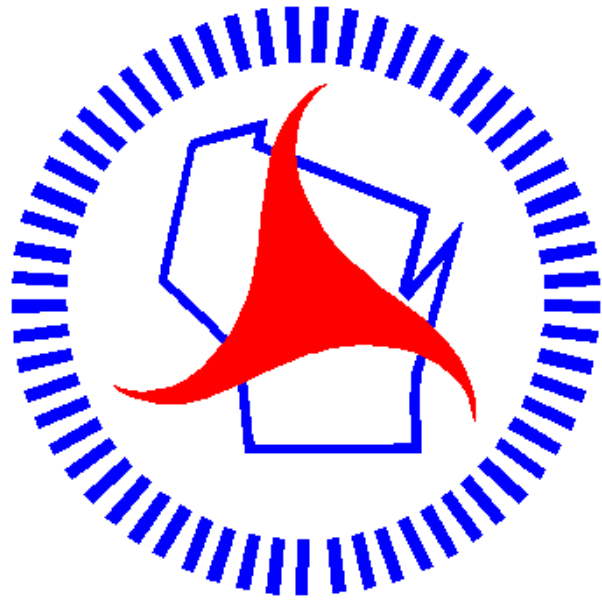
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

Notes



Wisconsin Department of Transportation

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