

GENERAL NOTES

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

THE EXACT LOCATIONS AND LIMITS OF PRIVATE AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

WETLANDS ARE PRESENT IN SEVERAL AREAS ADJACENT TO THE PROJECT. DO NOT OPERATE EQUIPMENT OUTSIDE OF THE SLOPE INTERCEPTS IN WETLAND AREAS UNLESS DIRECTED BY THE ENGINEER.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY, OR FLOODPLAIN OF ANY WATERWAY.

FERTILIZER SHALL NOT BE USED NEAR WETLANDS.

THE EROSION CONTROL FEATURES ARE SHOWN ON THE PLAN SHEETS AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

REMOVING PAVEMENT INCLUDES ANY MESH OR REINFORCEMENT THAT MAY BE PART OF THE PAVEMENT STRUCTURE. EXISTING PAVEMENT DEPTHS ARE BASED ON AS-BUILT DATA AND MAY VARY IN THE FIELD.

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

THE CONTRACTOR SHALL BE RESPONSIBLE AT THE CONTRACTORS EXPENSE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONTRUCTION LIMITS.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE 1 OR TYPE 2."

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE. FINAL LOCATIONS OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

THE LOCATIONS OF THE CONCRETE REPAIR AND REPLACEMENT ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE LOCATION OF UNDISTRIBUTED E.B.S WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AFTER MILLING OPERATIONS, BUT PRIOR TO PULVERIZING OPERATIONS, BASE UNDER EXISTING SHOULDER SHALL BE PLACED ON EXISTING ROADWAY WITHIN THE LIMITS OF THE TRAVEL LANES TO INCORPORATE INTO PULVERIZE AND RELAY PROCESS.

UTILITIES

ROSS HARTWIG
CENTURYLINK - COMMUNICATION LINE
236 LEFFERT ST
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920-213-8167
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COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

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944 VANDERPERREN WAY
GREEN BAY, WI 54304
920-492-5638
CORMAC.MCINNIS@DOT.WI.GOV

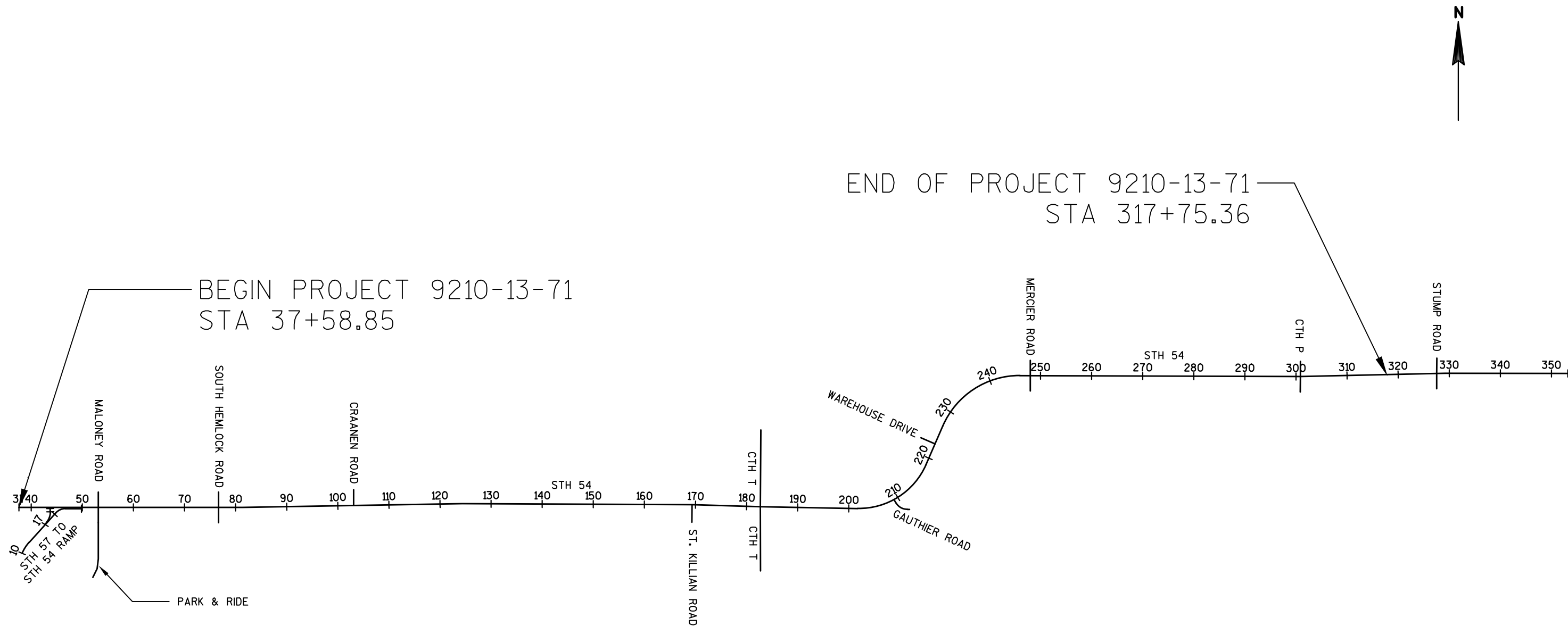
WISDOT CONTACT PERSON

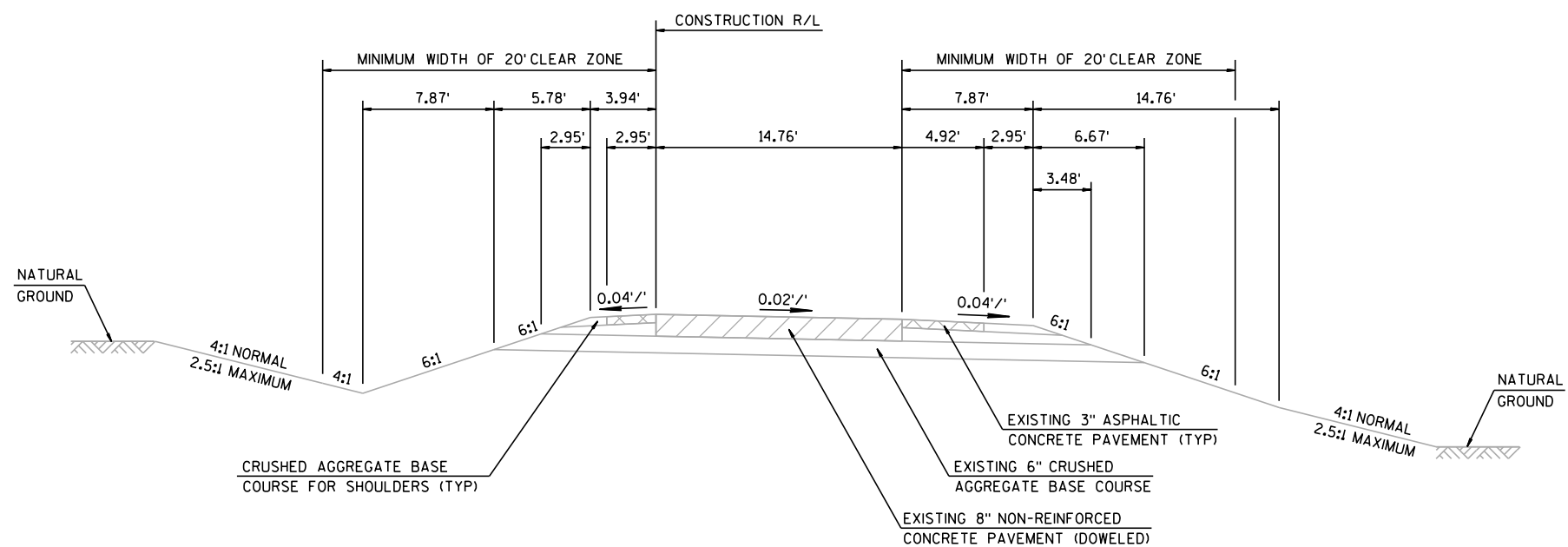
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944 VANDERPERREN WAY
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920-362-6126
ANDREW.FULCER@DOT.WI.GOV

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com



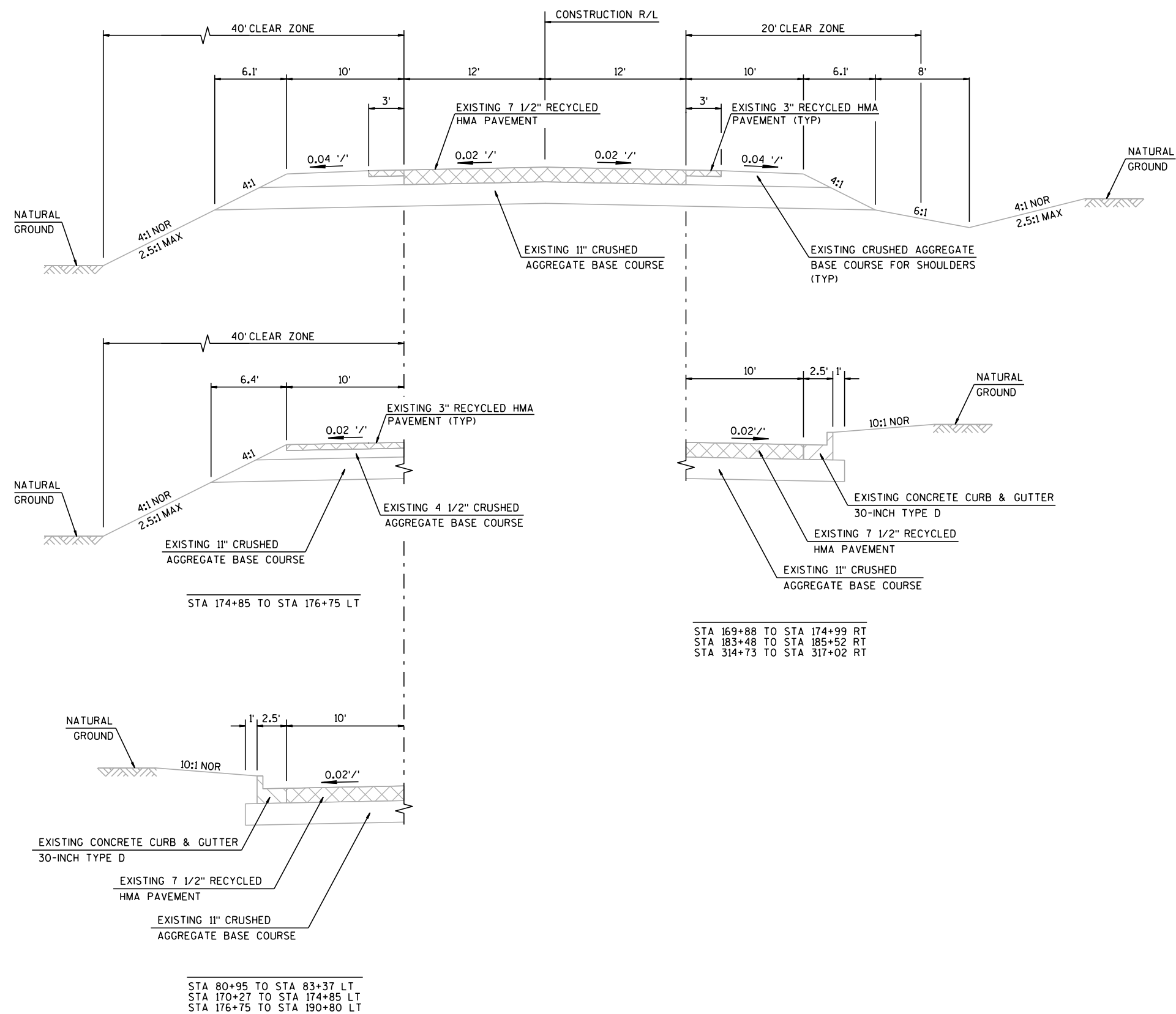


TYPICAL EXISTING CROSS SECTION FOR RAMPS

WB STA 10+00 TO STA 20+63
FREE FLOW EB STA 10+00 TO STA 23+00

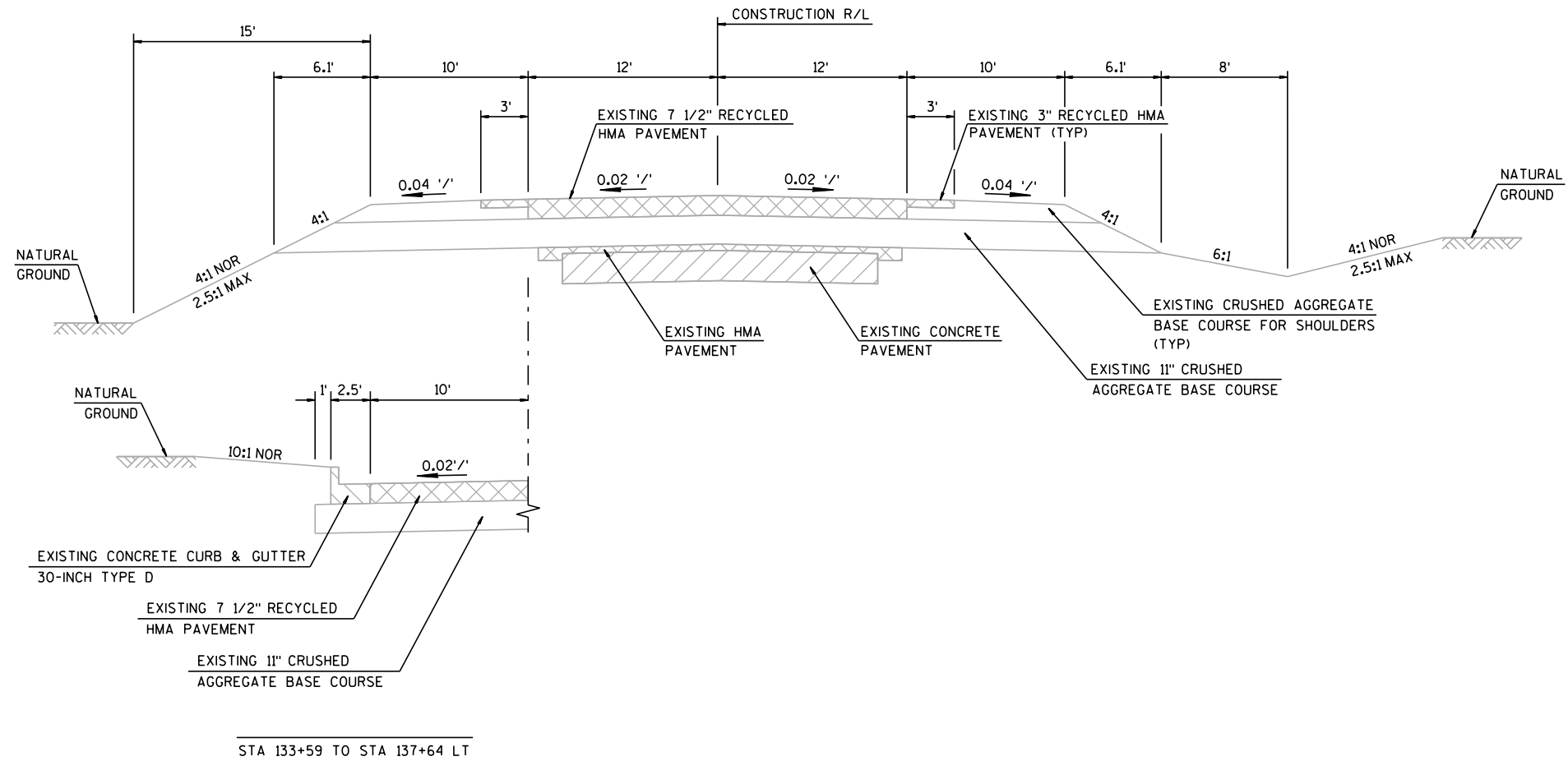
2

2

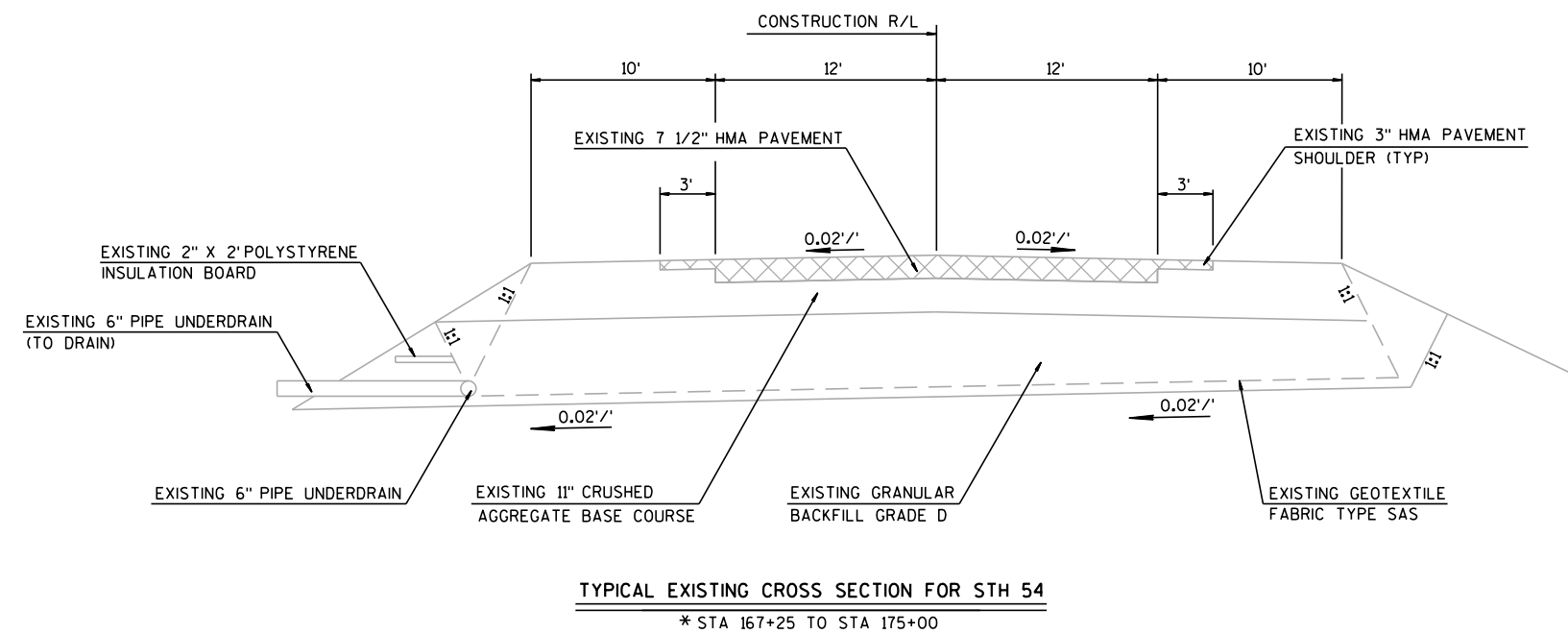


TYPICAL EXISTING CROSS SECTION FOR STH 54

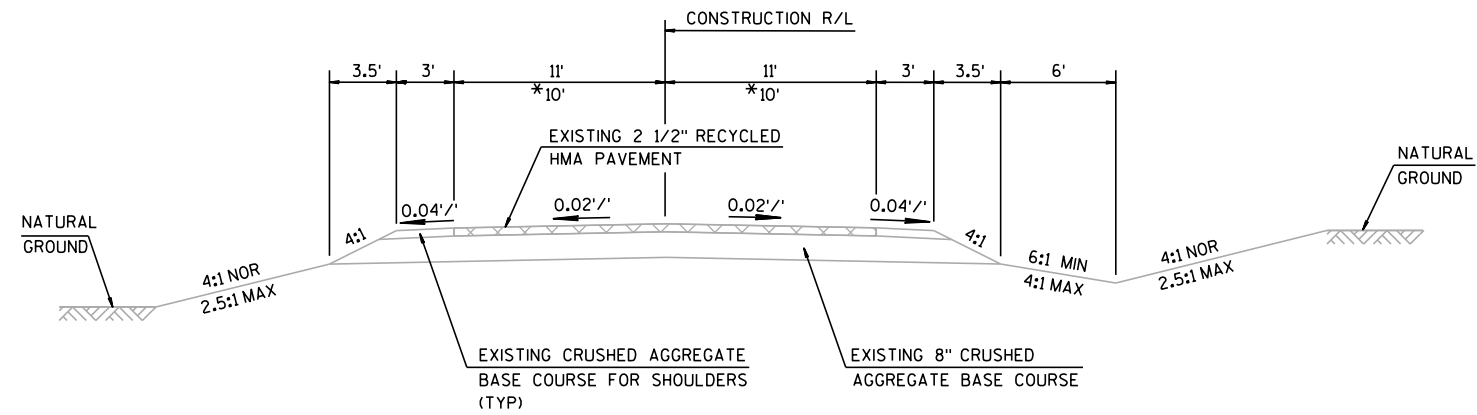
STA 59+80 TO STA 94+00
STA 161+00 TO STA 317+75 RT



TYPICAL EXISTING CROSS SECTION FOR STH 54
STA 94+00 TO STA 161+00

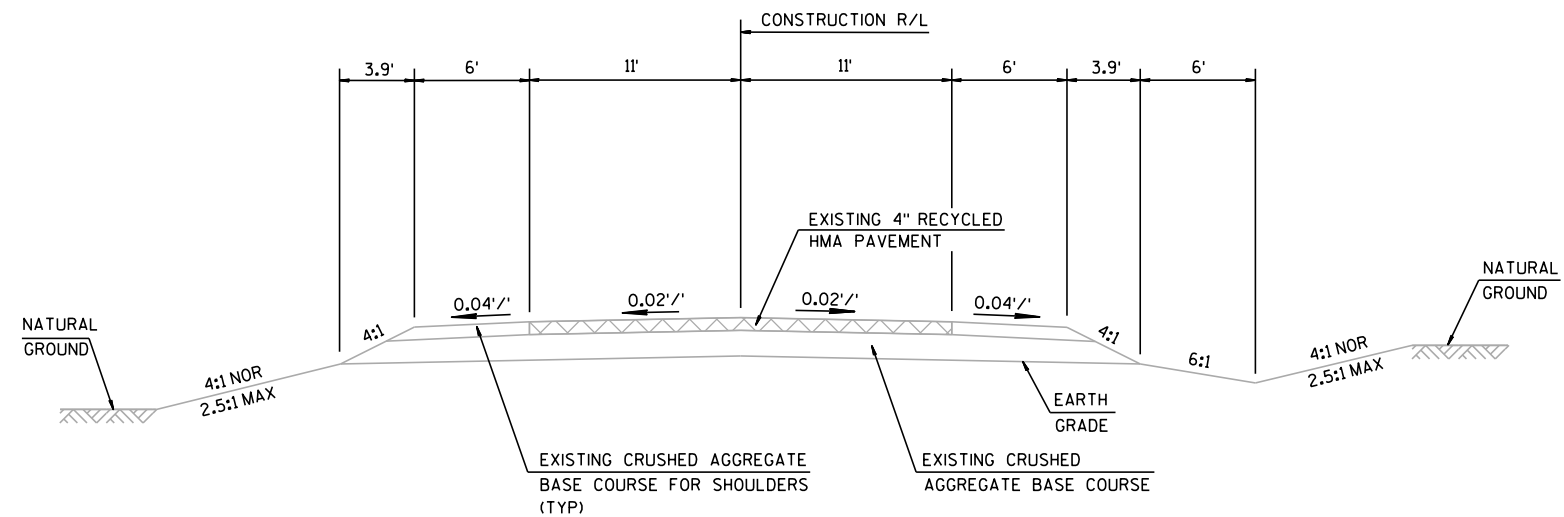


* FOR PURPOSE OF DISPLAYING SUBBASE
AND UNDERDRAIN IN THIS RANGE



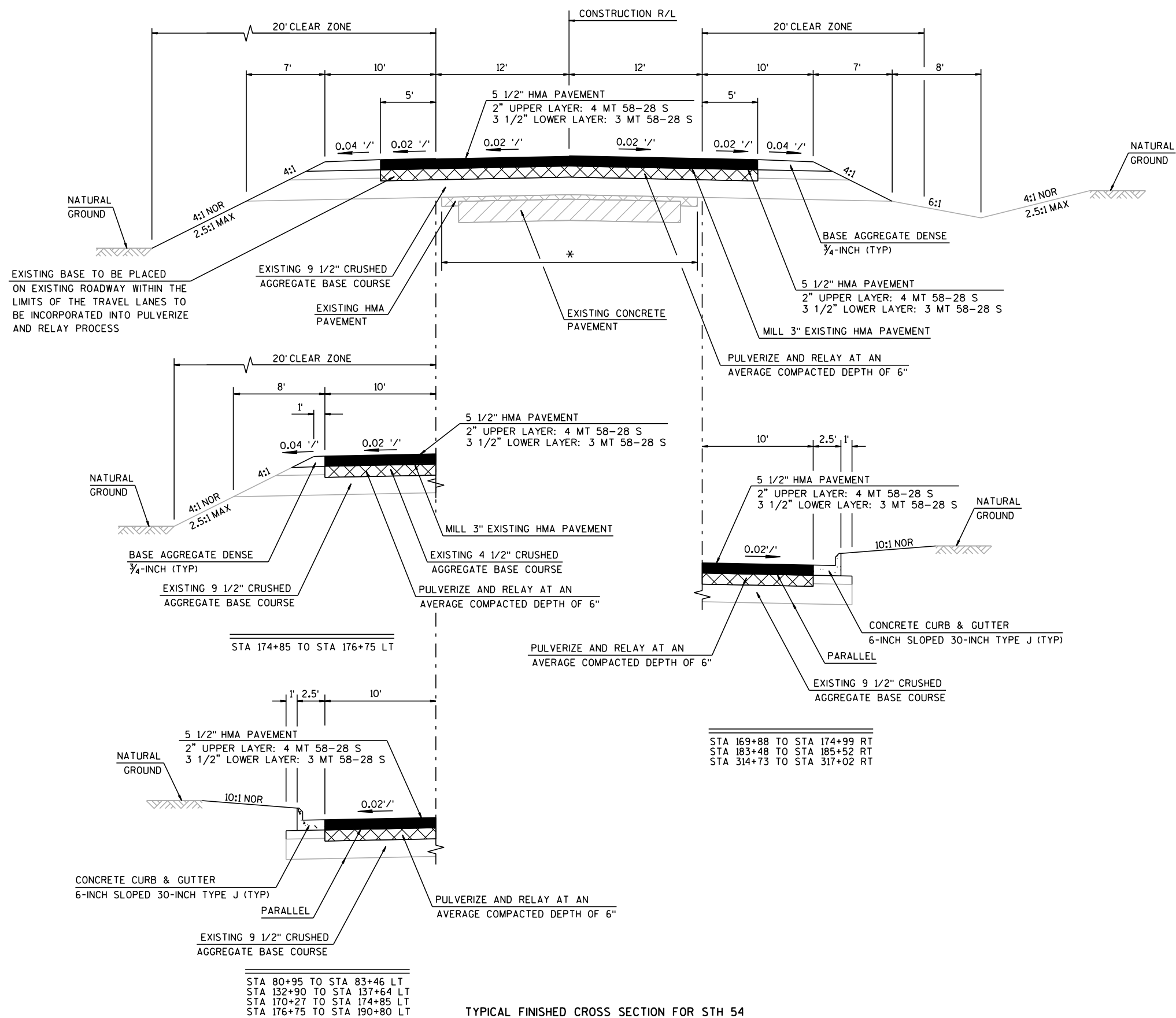
TYPICAL EXISTING CROSS SECTION FOR CROSS ROADS

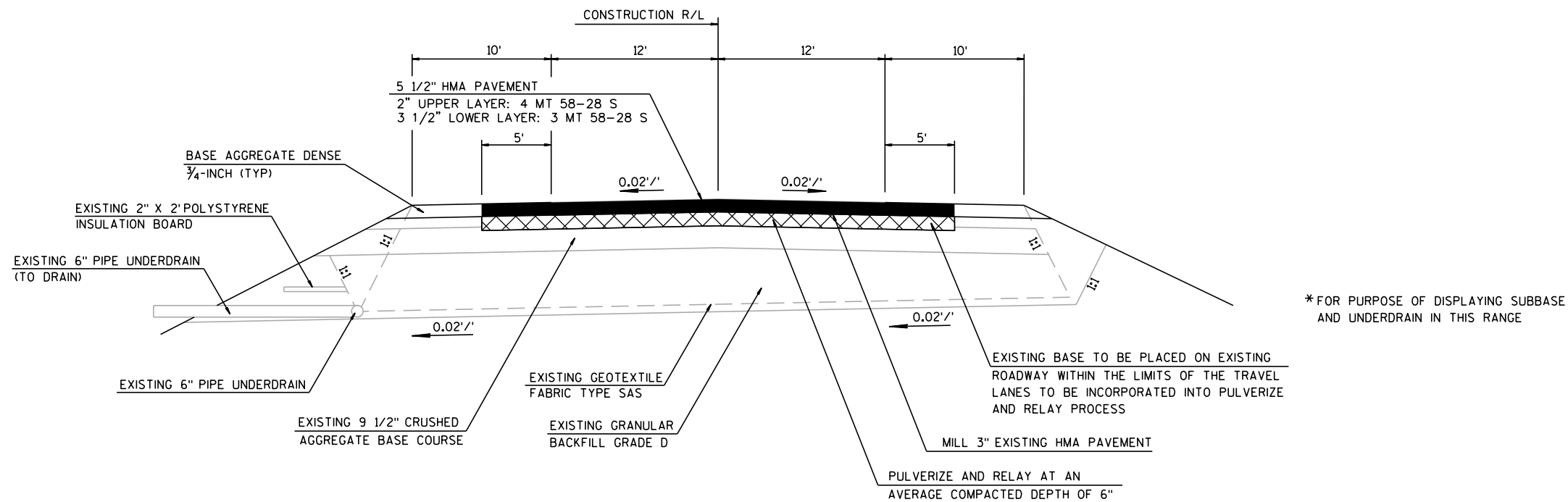
* HEMLOCK RD
STUMP RD
CRAANEN RD
ST KILLIAN RD
MERCIER RD
WAREHOUSE DR



TYPICAL EXISTING CROSS SECTION FOR CROSS ROADS

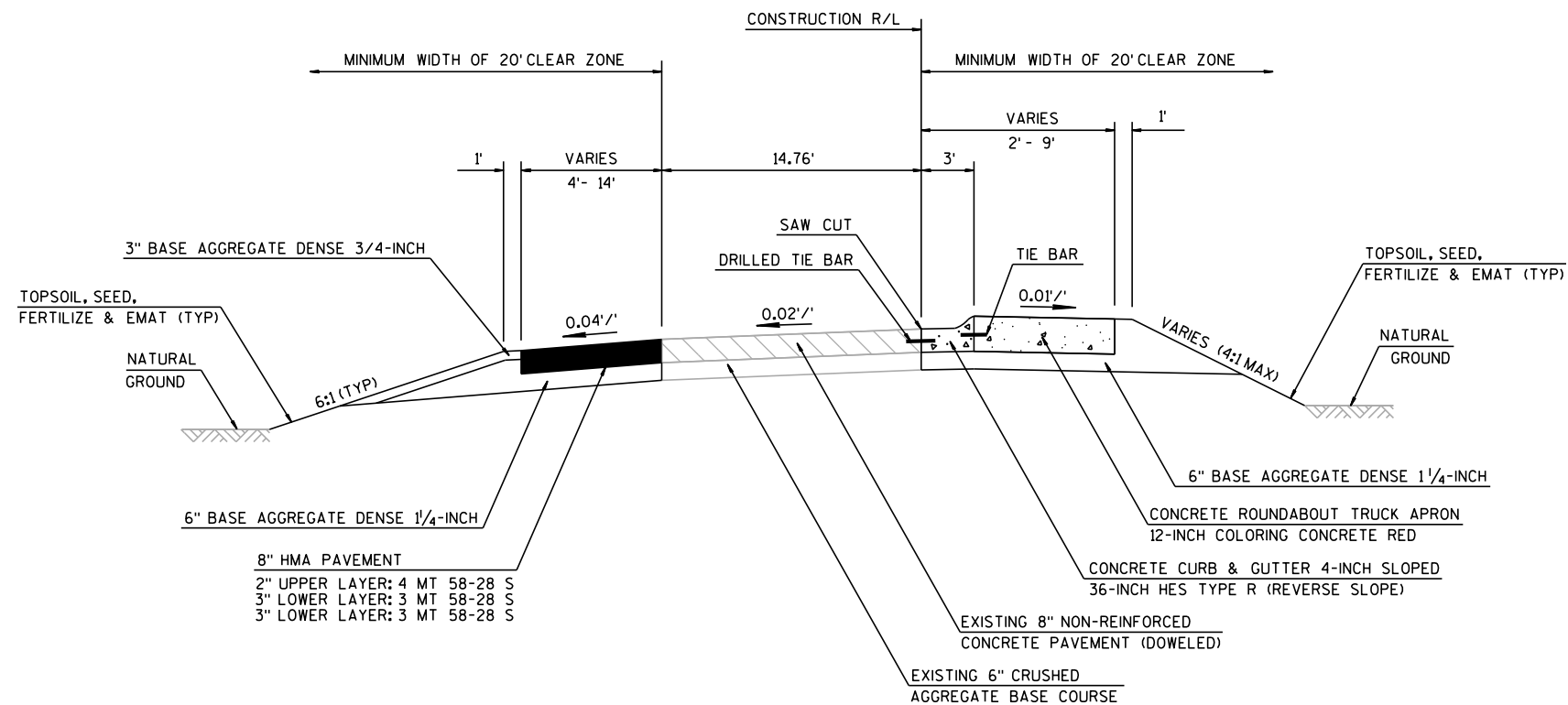
GAUTHIER RD
CTH T
CTH P



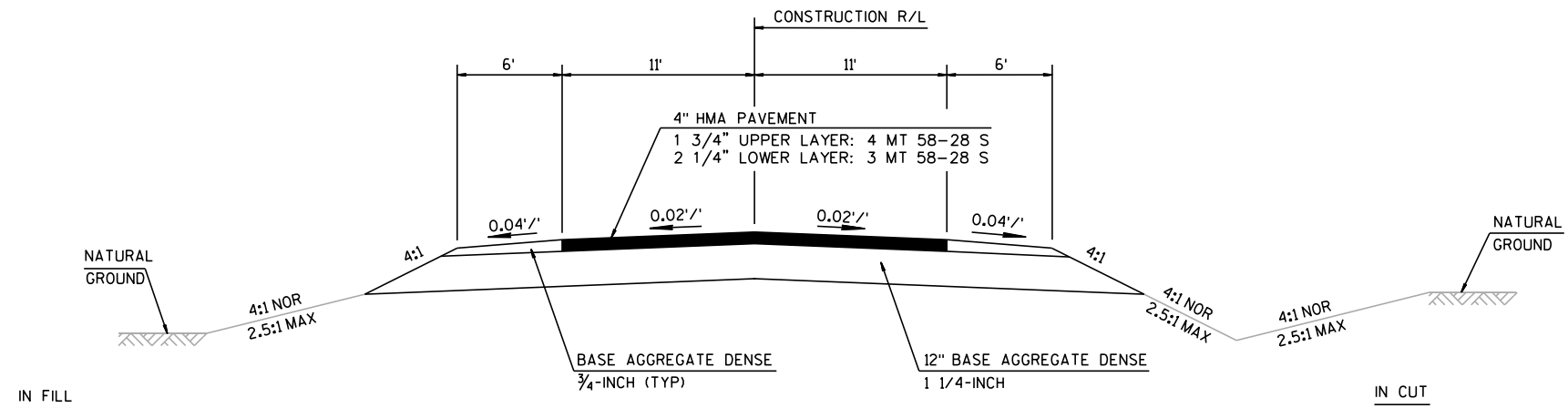


TYPICAL FINISHED CROSS SECTION FOR STH 54

* STA 167+25 TO STA 175+00

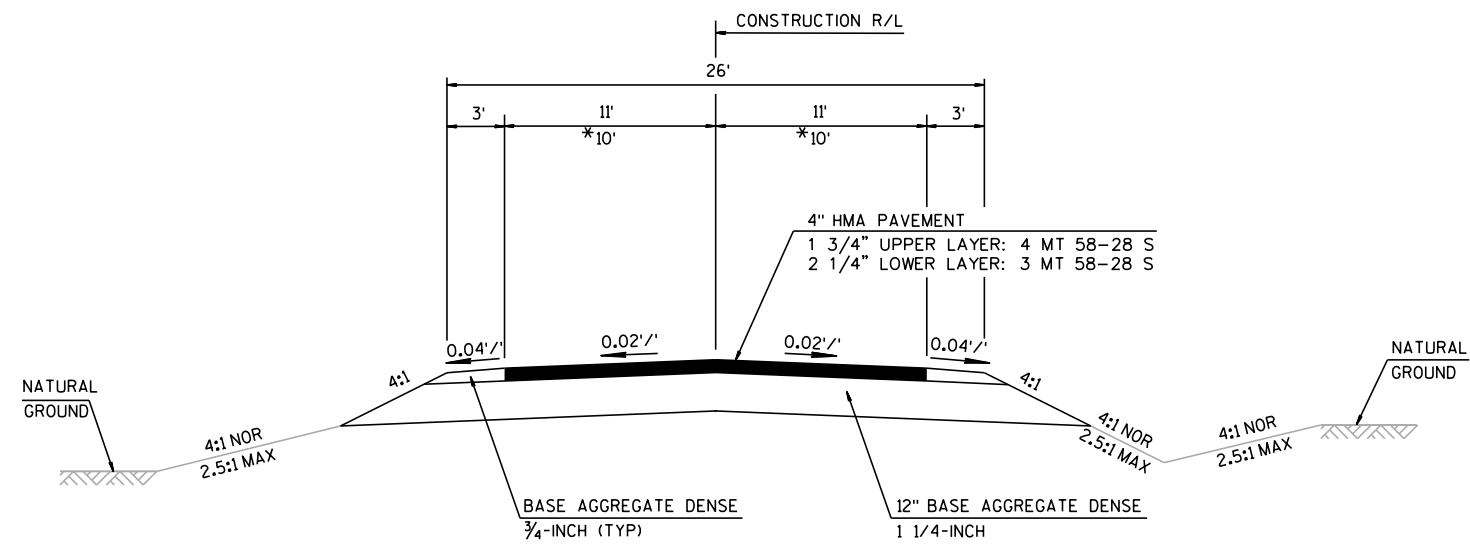


TYPICAL FINISHED CROSS SECTION FOR STH 57 NORTHBOUND ON-RAMP



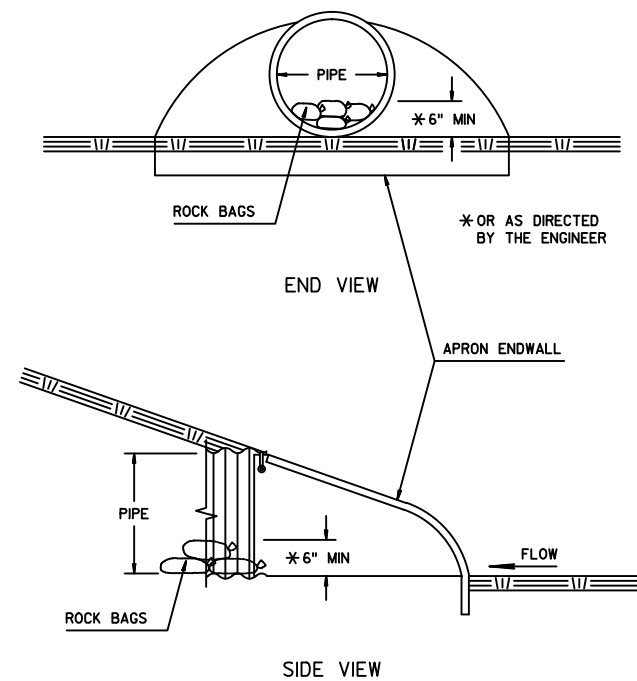
TYPICAL FINISHED CROSS SECTION FOR CROSS ROADS

GAUTHIER RD
CTH T
CTH P

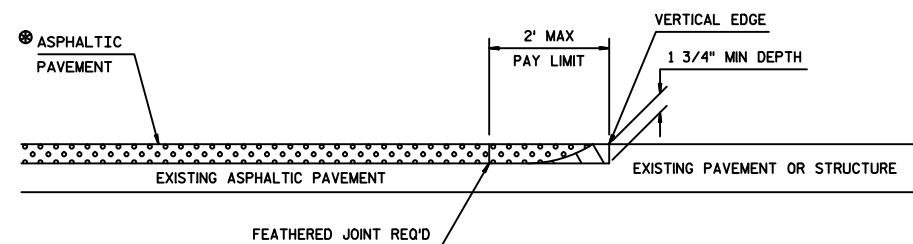


TYPICAL FINISHED CROSS SECTION FOR CROSS ROADS

* HEMLOCK RD
CRAANEN RD
ST KILLIAN RD
MERCIER RD
WAREHOUSE DR



CULVERT PIPE CHECKS

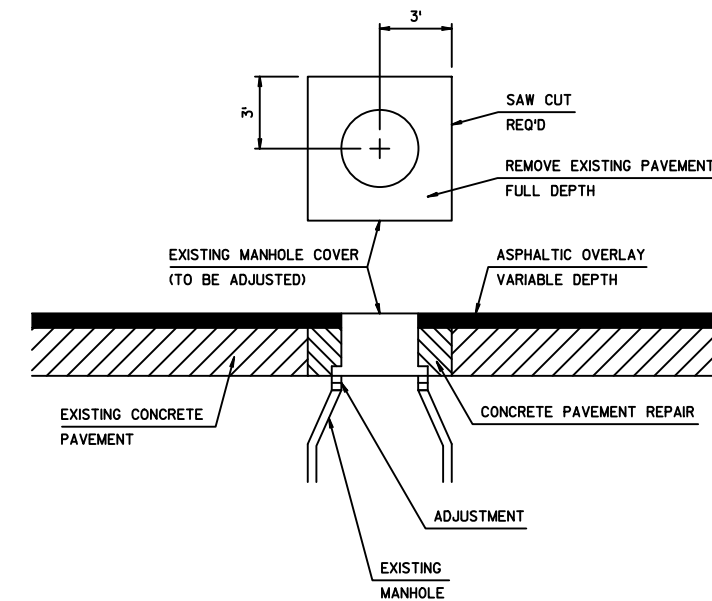


⊗ SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

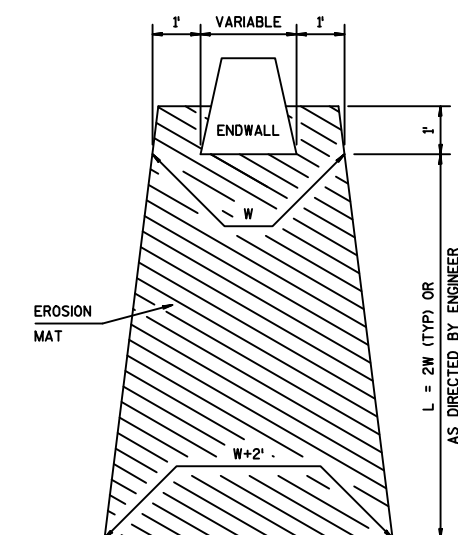
⊗ REMOVING ASPHALTIC SURFACE, MILLING

⊗ REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE AT SAW CUT

BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)

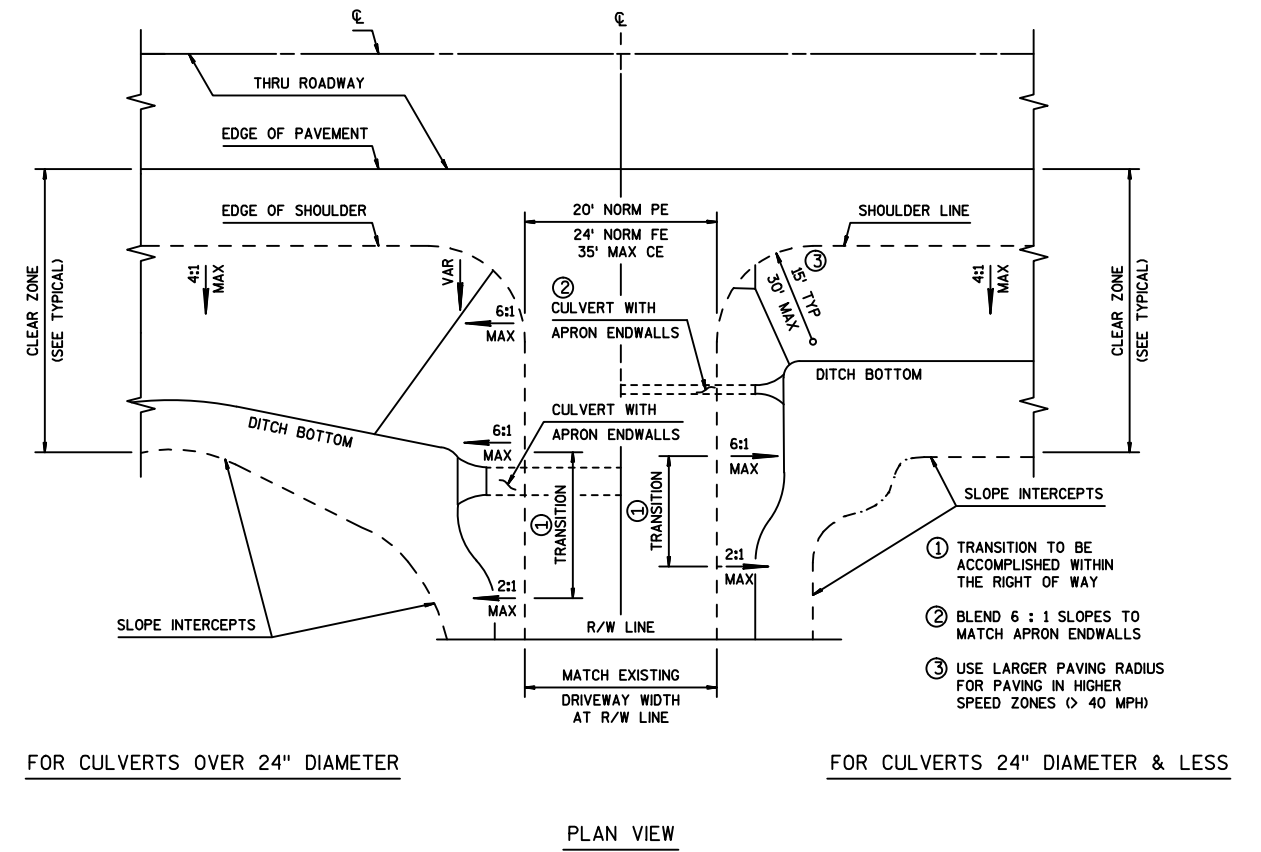


ADJUSTING MANHOLE COVERS



EROSION MAT TREATMENT AT CULVERTS

2



The drawing consists of two parts: a cross-section labeled "SECTION A-A" and a plan view labeled "DETAIL FOR ASPHALTIC SHOULDER AT BEAMGUARD".

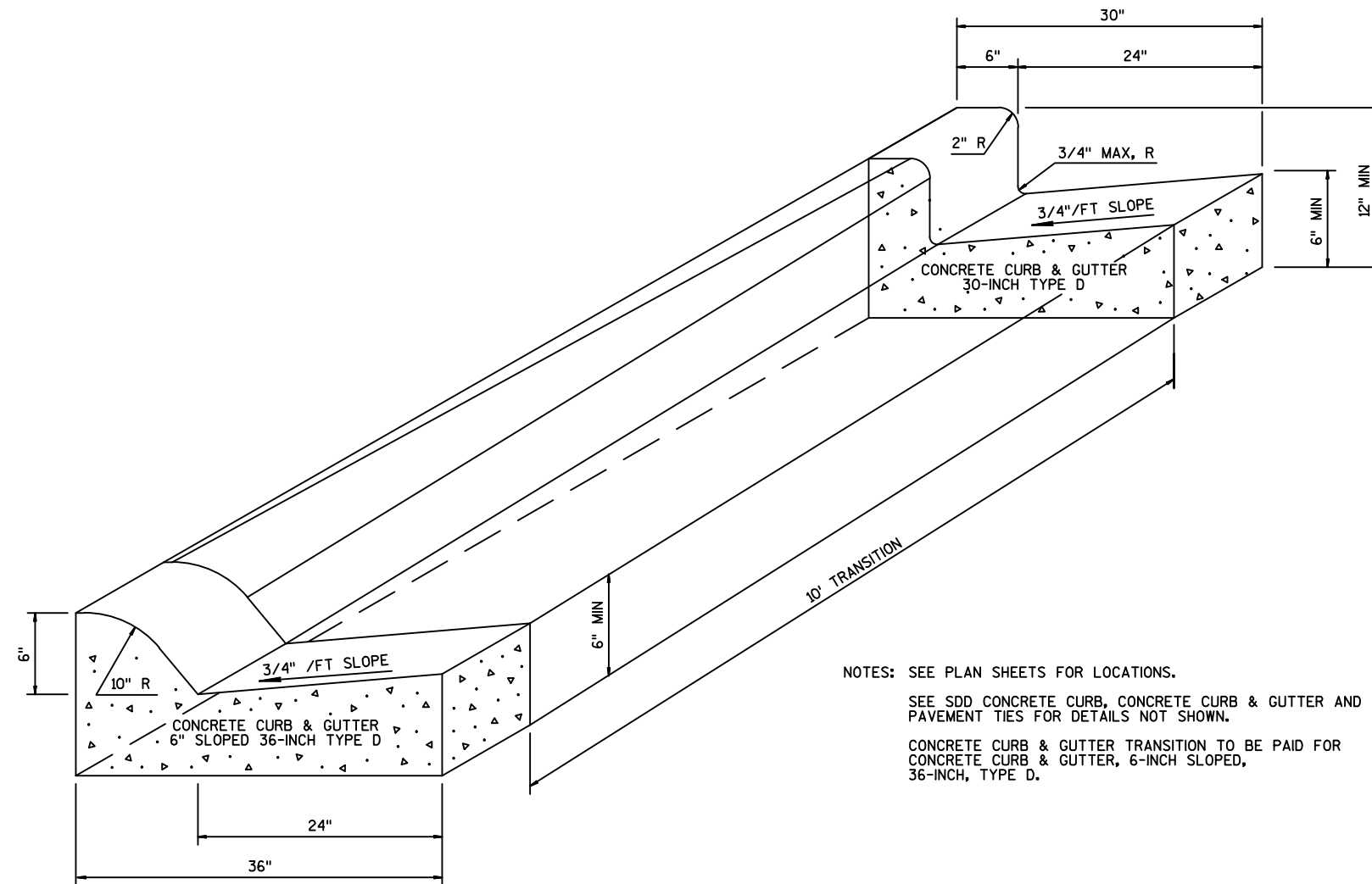
SECTION A-A: This cross-section shows the vertical profile of the road shoulder and pavement. From left to right, it includes:

- EXISTING TOPSOIL:** The natural ground surface on the left.
- SLOPE VARIES (2.5:1 MAX):** A sloped area of base aggregate.
- BASE AGGREGATE DENSE:** The foundation layer for the pavement.
- 5 1/2" HMA PAVEMENT:** The total thickness of the Hot Mix Asphalt pavement, composed of:
 - 2" UPPER LAYER 4 MT 58-28 S**
 - 3 1/2" LOWER LAYER 3 MT 58-28 S**

 A vertical structure, likely a beamguard, is shown on the right side of the pavement.

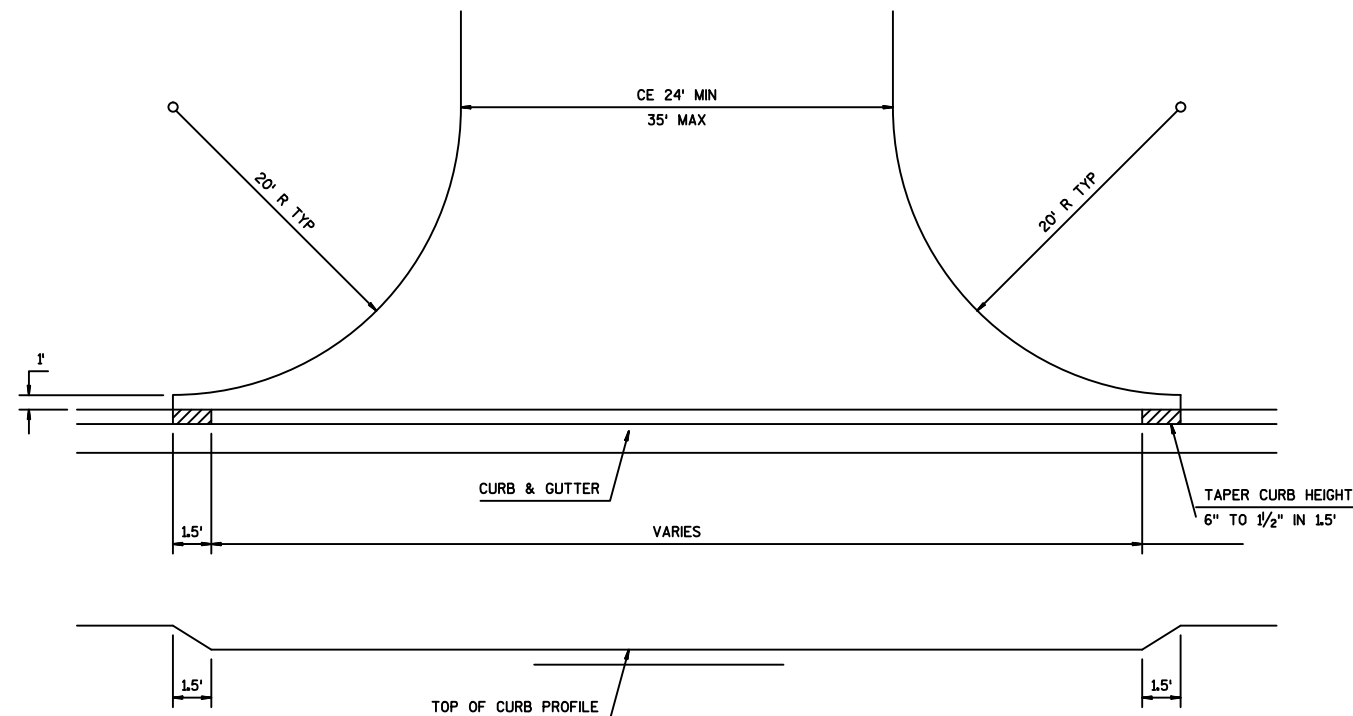
DETAIL FOR ASPHALTIC SHOULDER AT BEAMGUARD: This plan view shows the horizontal layout of the shoulder and traffic lane.

- TRAFFIC LANE:** The main travel area, indicated by a centerline (CL) and edge lines.
- ASPHALTIC SHOULDER:** The area adjacent to the traffic lane, shown with a cross-hatched pattern.
- BEAM GUARD:** A series of vertical posts or beams along the edge of the shoulder.
- 10:1 TAPER:** The sloped transition areas on either side of the beamguard, with a 10:1 slope ratio.
- 5' NORMAL:** The width of the normal shoulder sections at the ends of the detail.
- SEE STANDARD DETAIL DRAWING:** A callout pointing to a specific detail of the beamguard structure.



NOTES: SEE PLAN SHEETS FOR LOCATIONS.
SEE SDD CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES FOR DETAILS NOT SHOWN.
CONCRETE CURB & GUTTER TRANSITION TO BE PAID FOR CONCRETE CURB & GUTTER, 6-INCH SLOPED, 36-INCH, TYPE D.

CONCRETE CURB & GUTTER TRANSITION DETAIL



NOTE: NON-PAVED DRIVEWAYS SHALL CONSIST OF 6" OF BASE AGGREGATE DENSE.

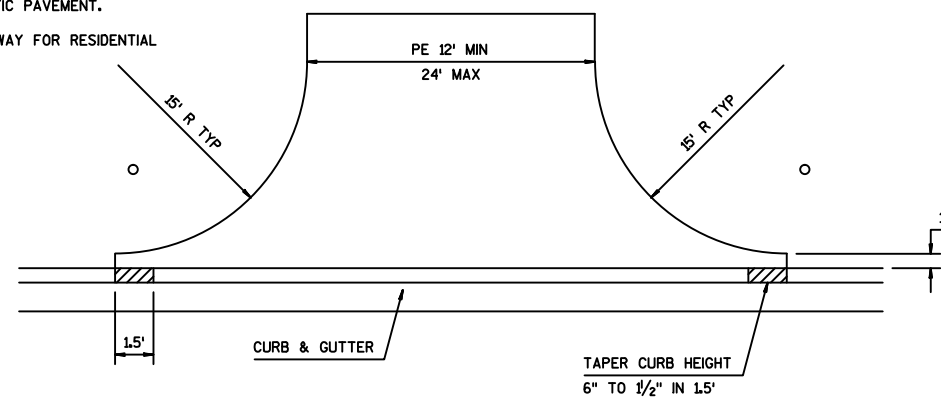
RESIDENTIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 6" BASE AGGREGATE DENSE AND 3" OF ASPHALTIC PAVEMENT.

COMMERCIAL ENTRANCE ASPHALTIC DRIVEWAYS SHALL CONSIST OF 12" BASE AGGREGATE DENSE AND 4" OF ASPHALTIC PAVEMENT.

6" CONCRETE DRIVEWAY FOR RESIDENTIAL ENTRANCES.

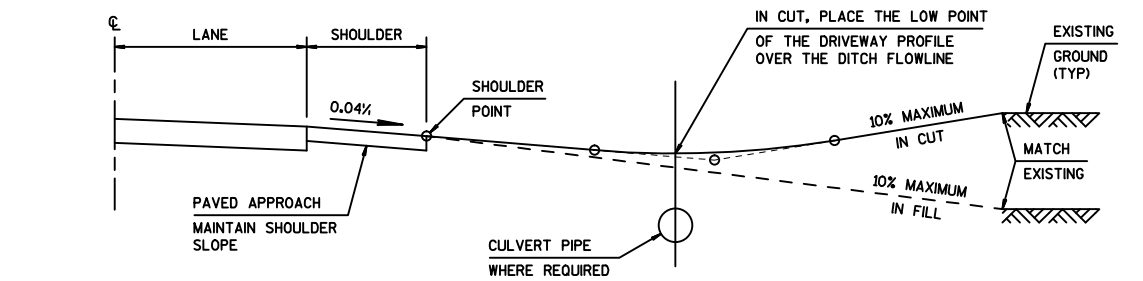
COMMERCIAL ENTRANCES

① A LARGER PAVING RADIUS FOR PAVING IN HIGHER SPEED ZONE (> 40 MPH) CAN BE USED IF WARRANTED.

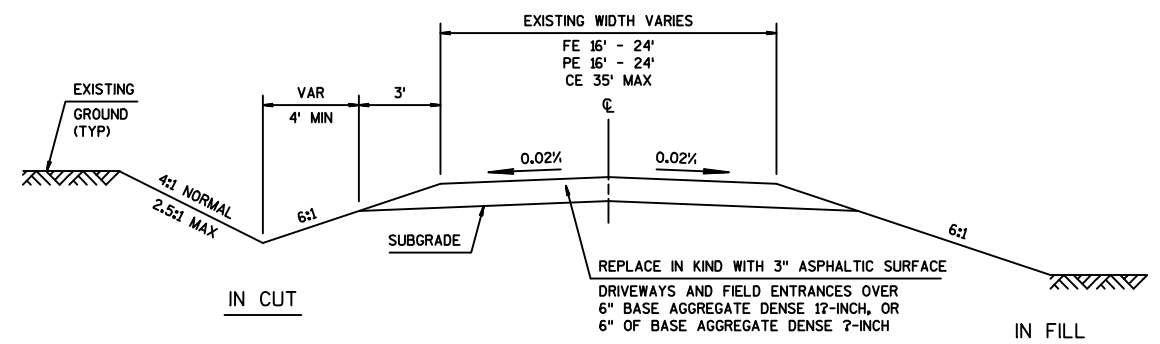


PRIVATE ENTRANCES

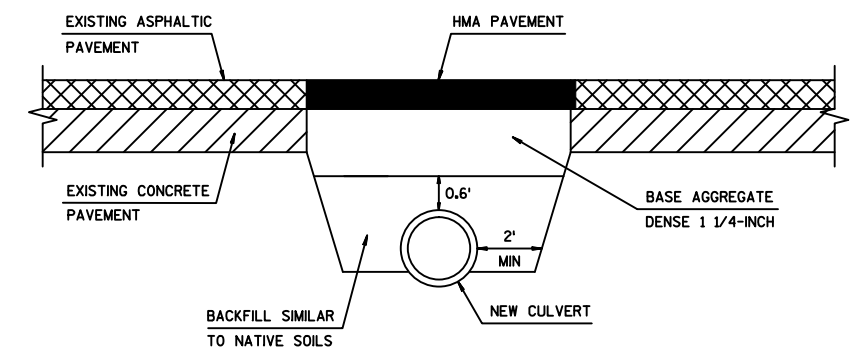
RURAL DRIVEWAYS WITH CURB & GUTTER



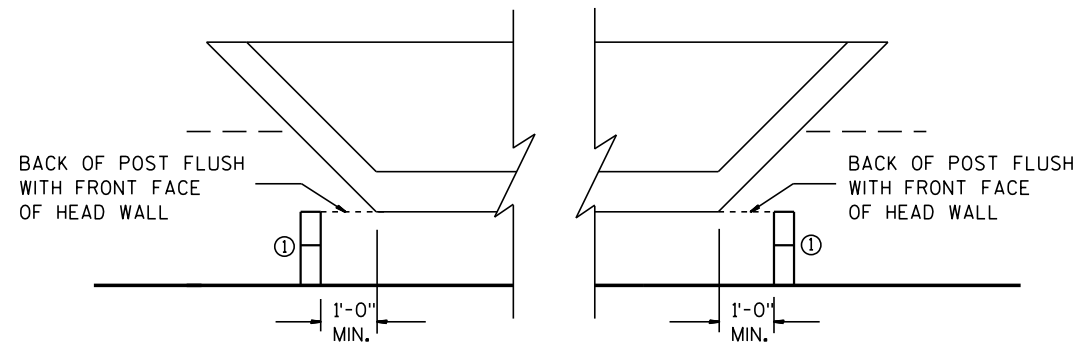
TYPICAL DRIVEWAY PROFILES



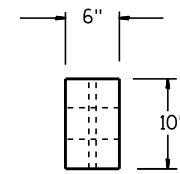
TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE



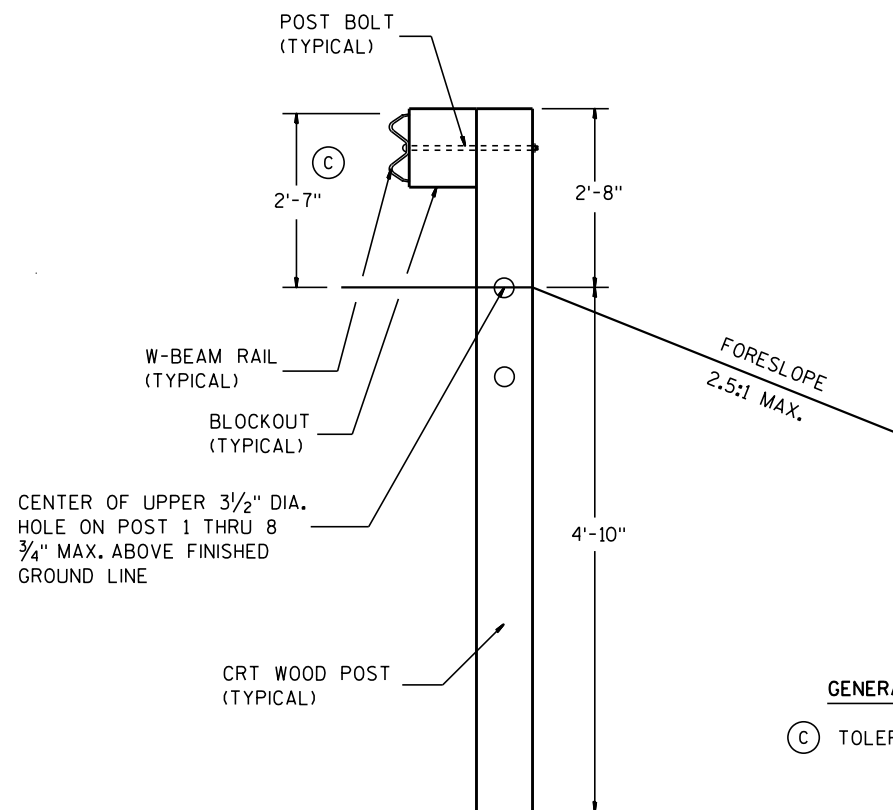
DETAIL FOR CULVERT REPLACEMENT



POST PLACEMENT DETAIL



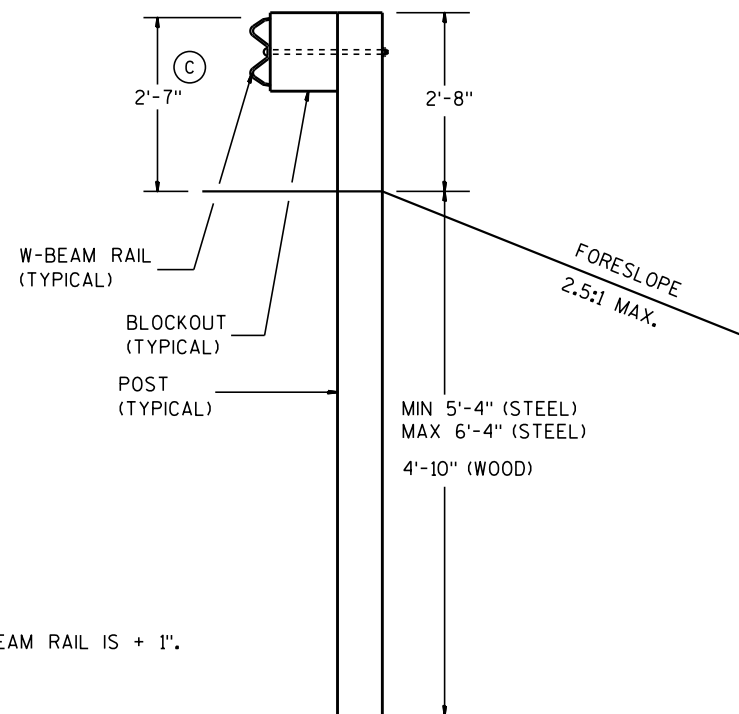
PLAN VIEW



SECTION B-B

POSTS NO. 1-3

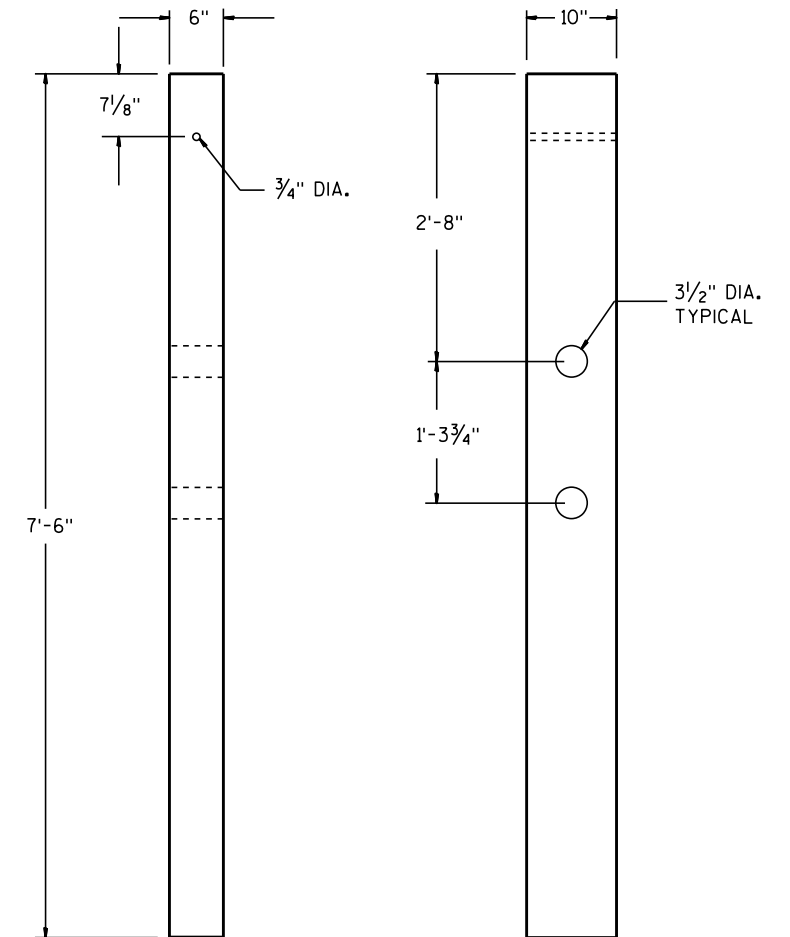
SEE OTHER DETAILS



SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS



FRONT VIEW

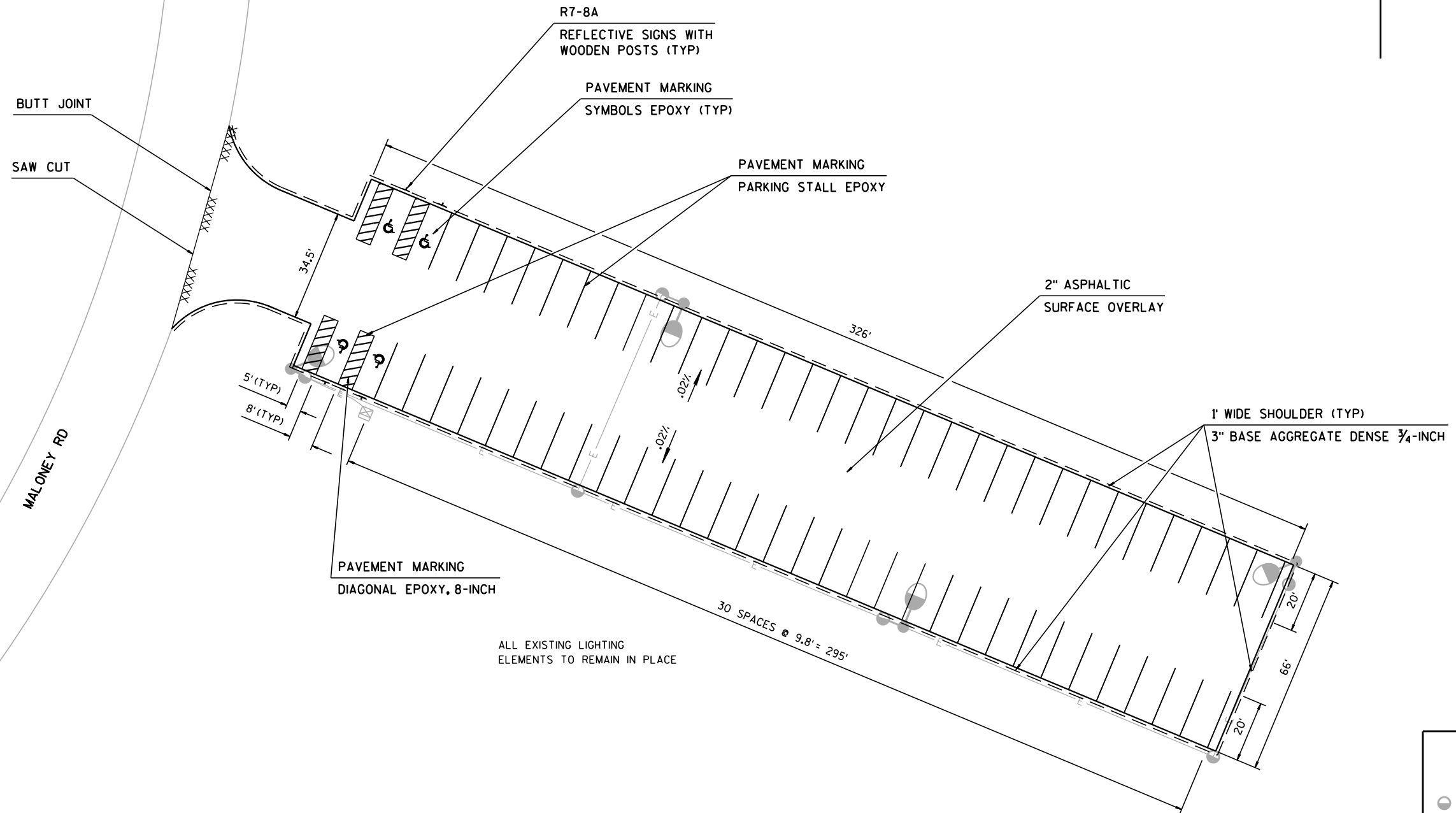
SIDE VIEW

CRT WOOD POST

GENERAL NOTES

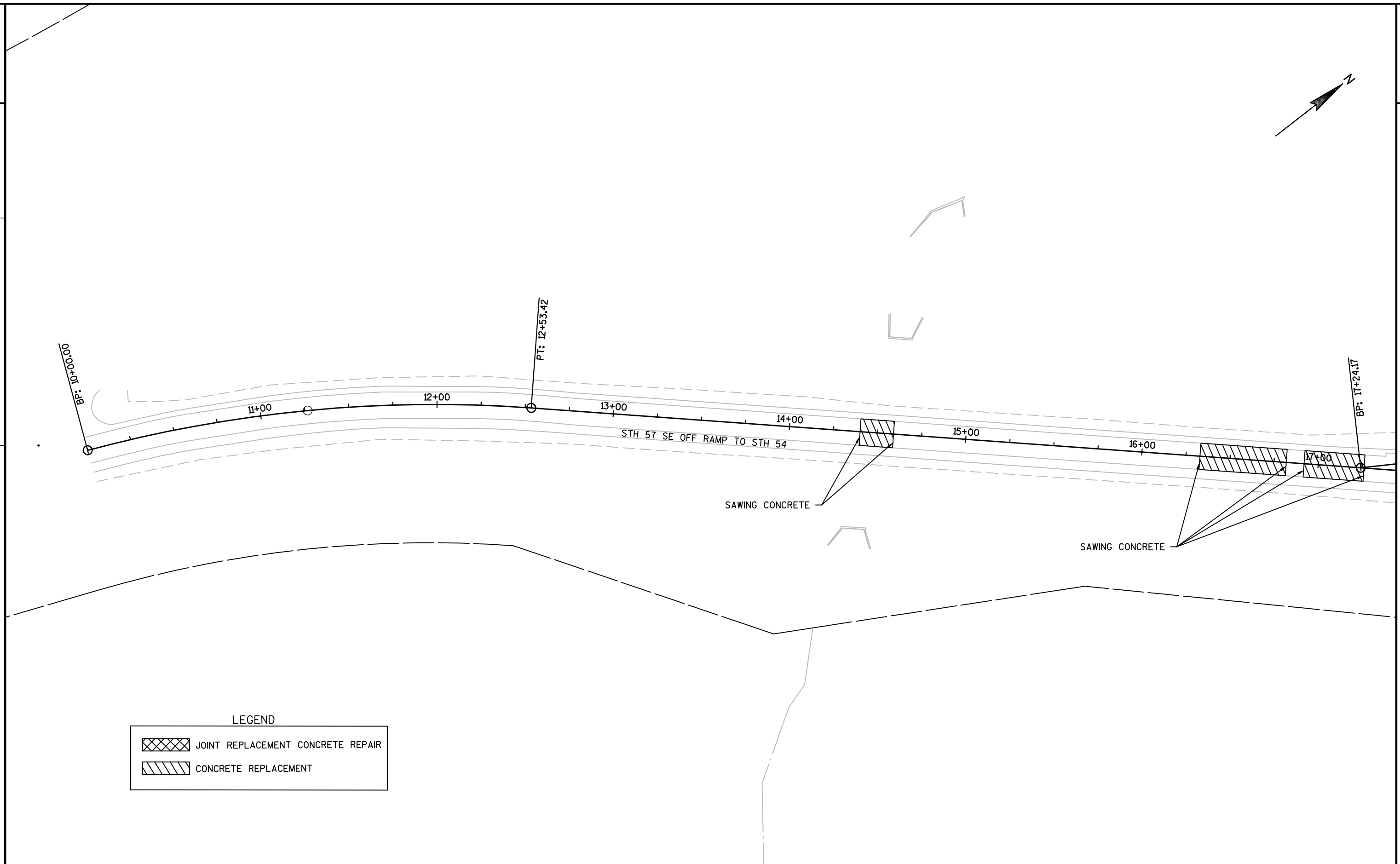
- (C) TOLERANCE FOR TOP OF W-BEAM RAIL IS + 1".

MODIFIED MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

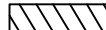


LEGEND

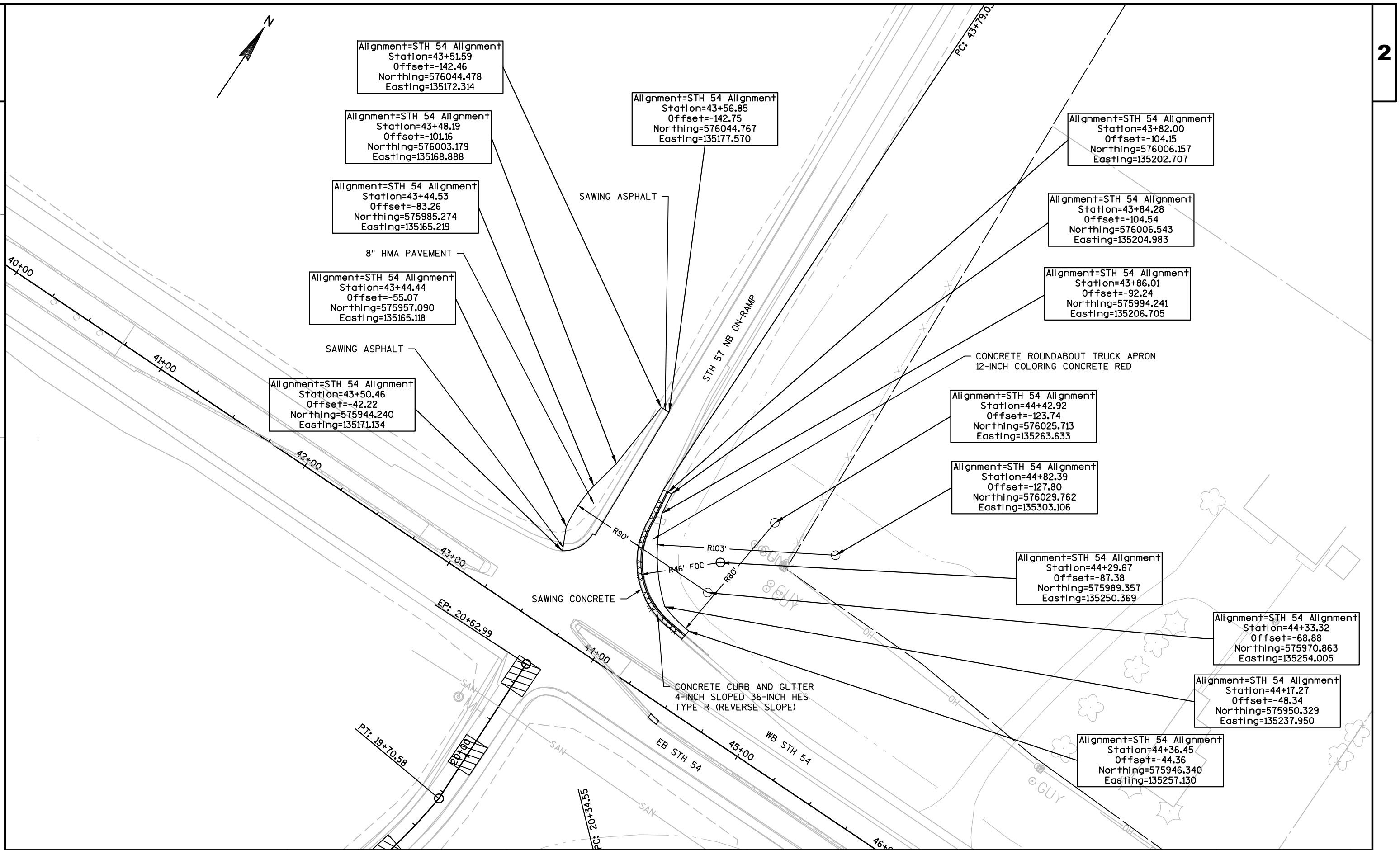
- EXISTING PULLBOX
- EXISTING LUMINARE
- EXISTING CONTROL CABINET



LEGEND

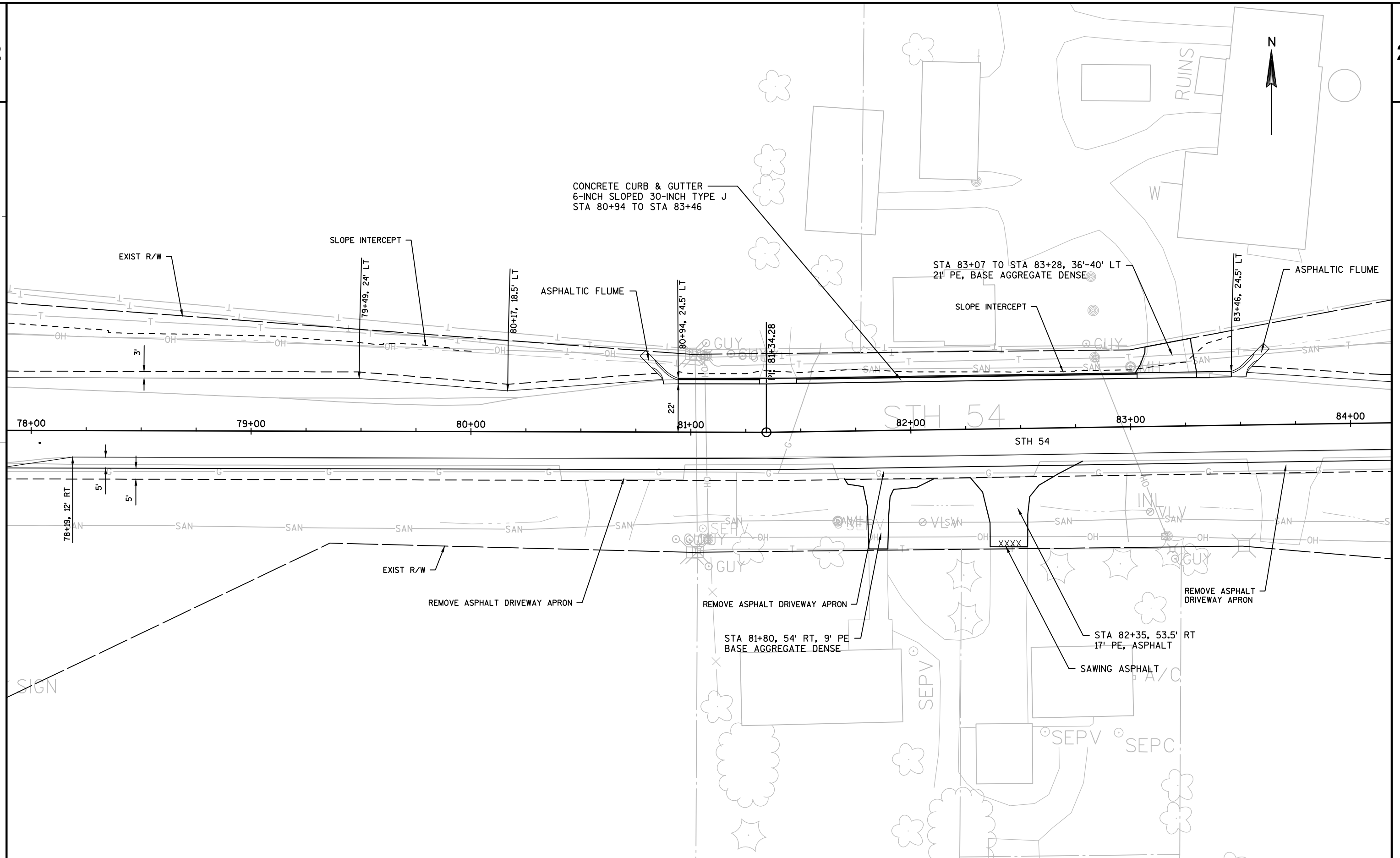
-  JOINT REPLACEMENT CONCRETE REPAIR
-  CONCRETE REPLACEMENT

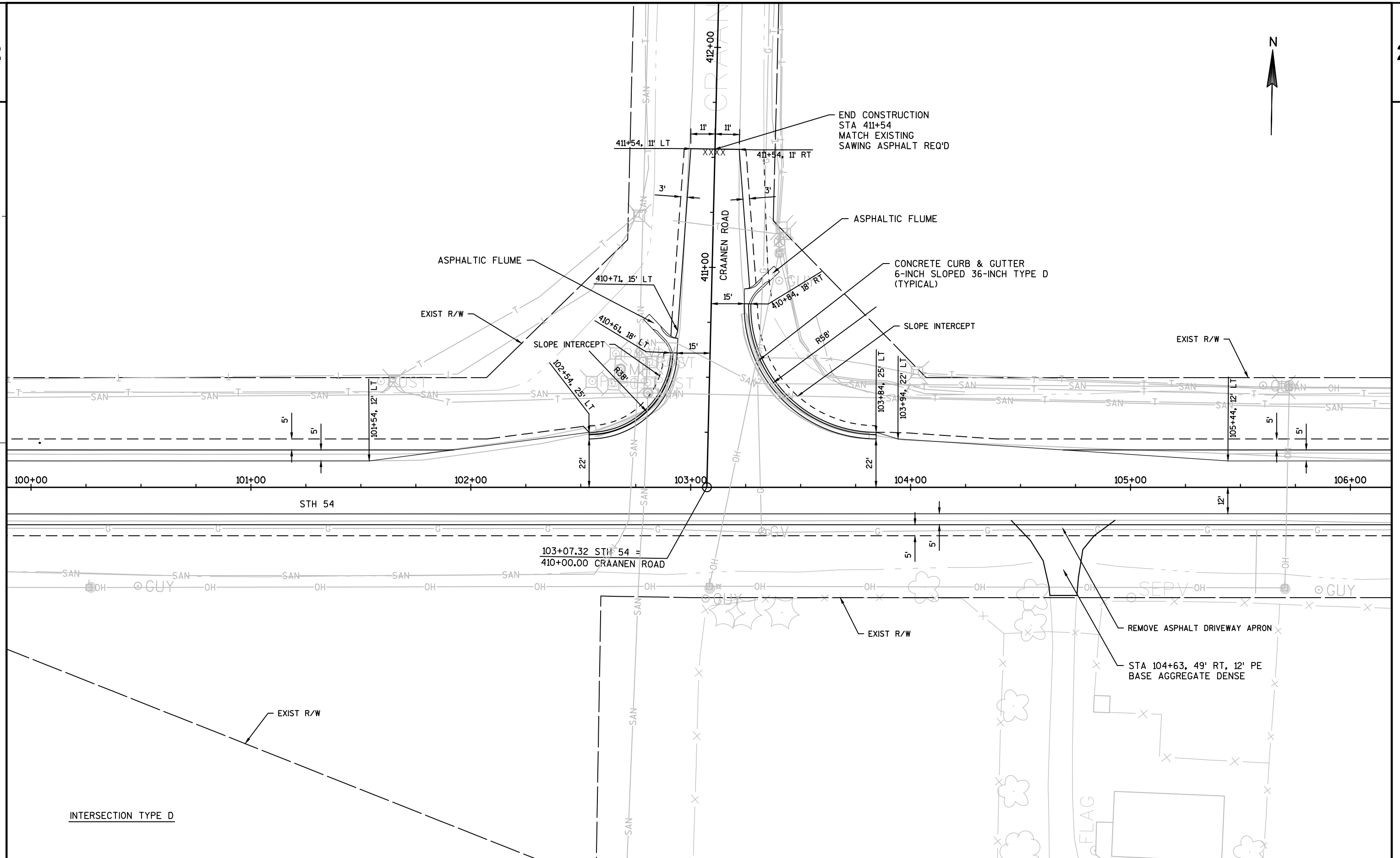


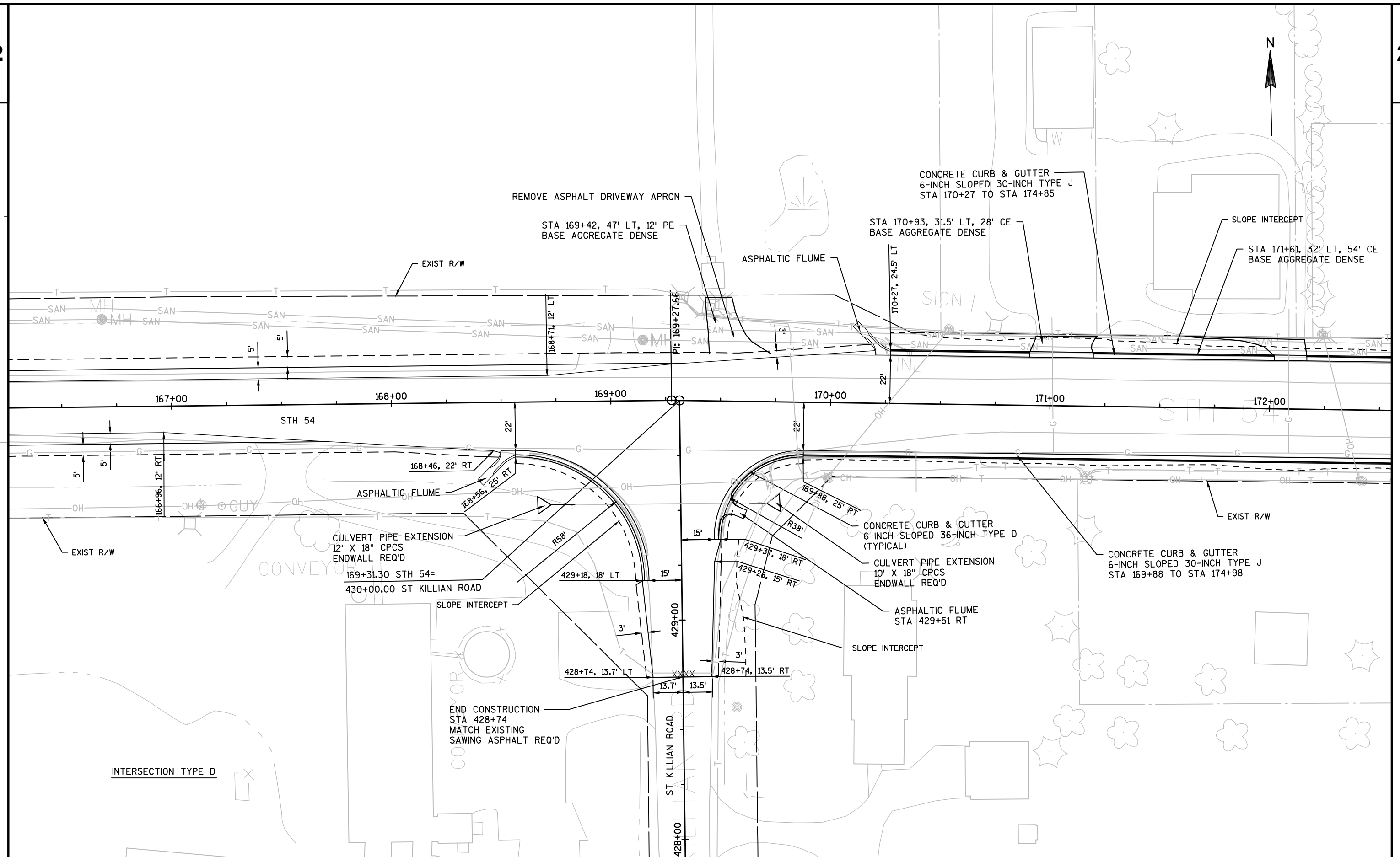


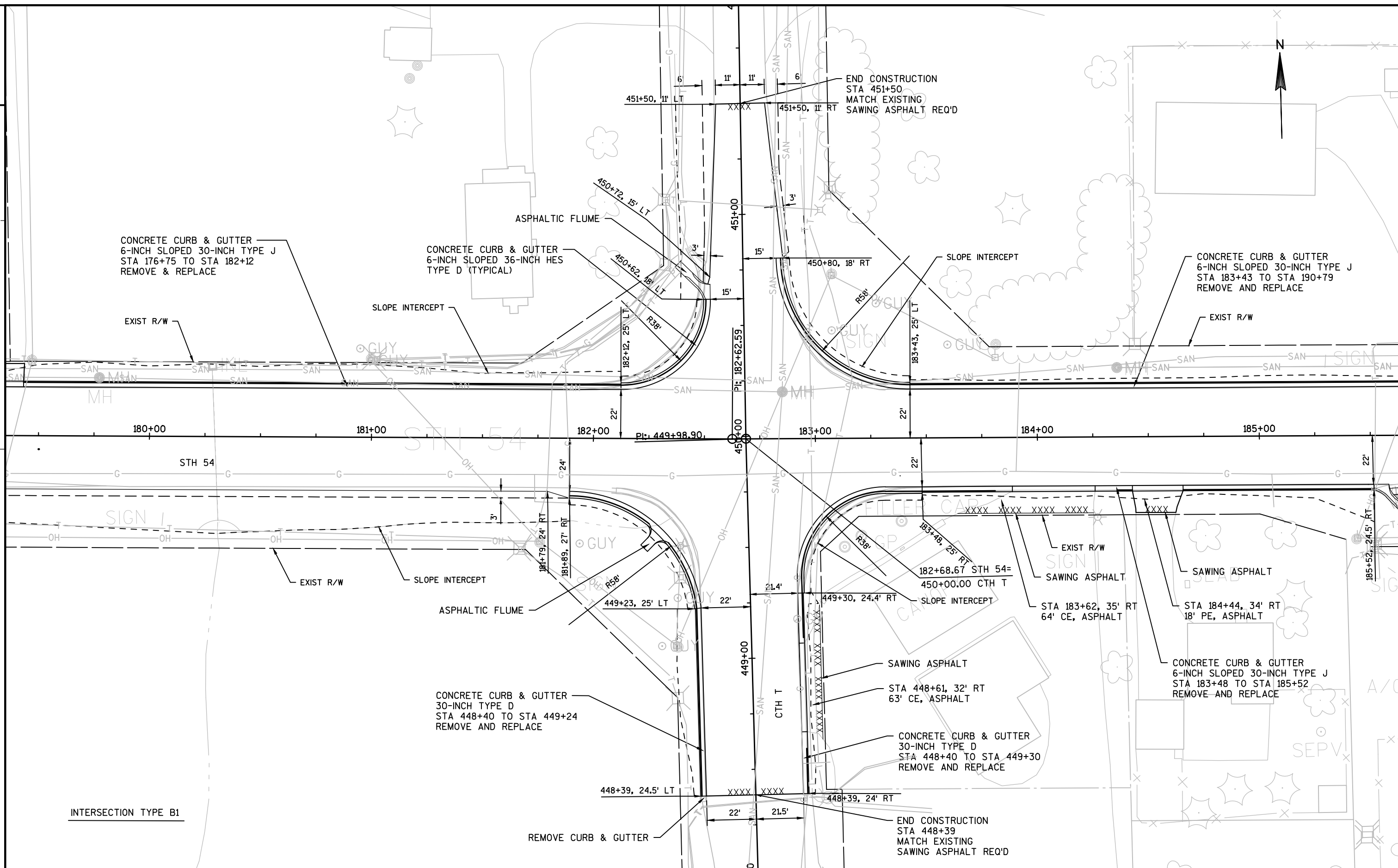
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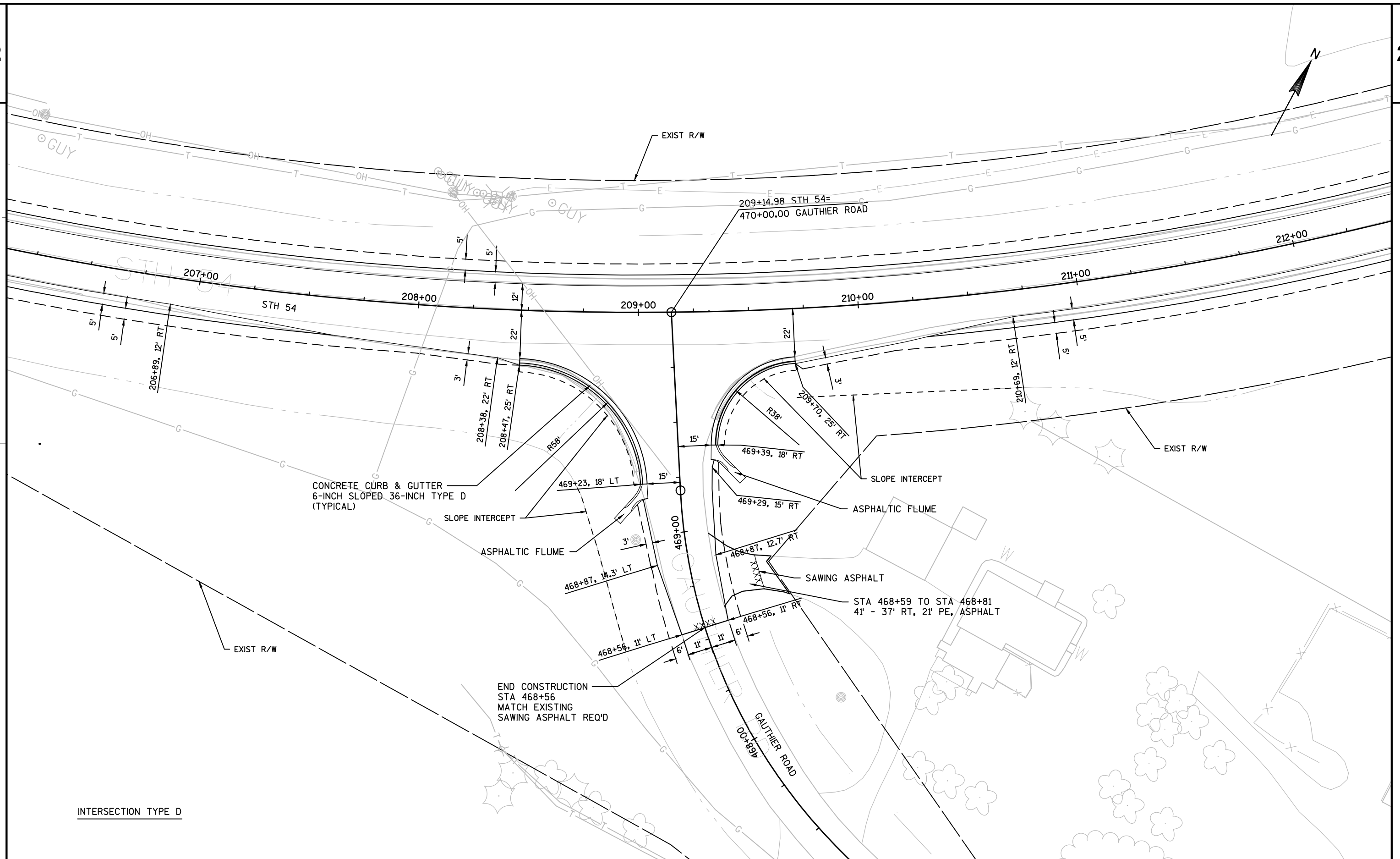






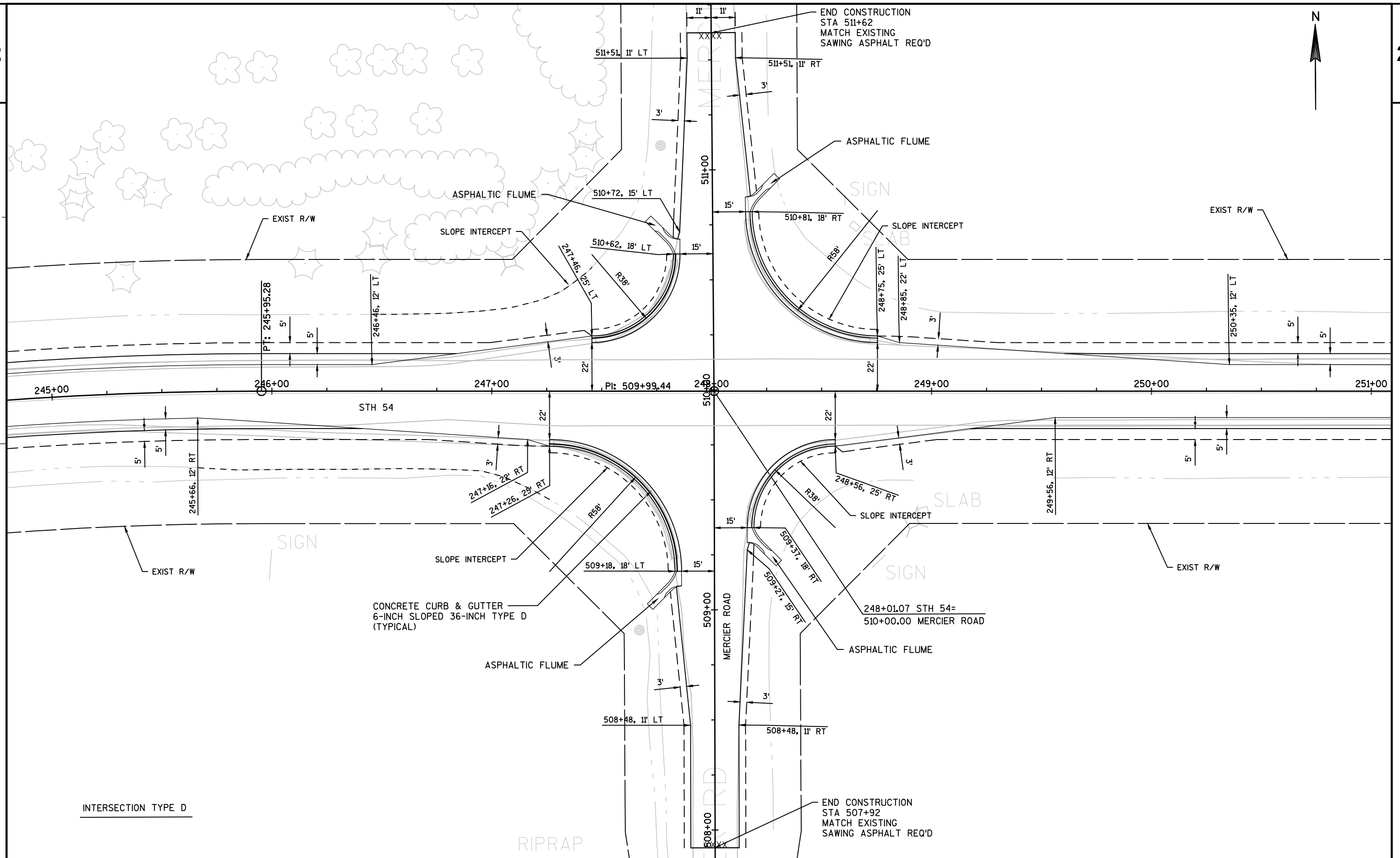






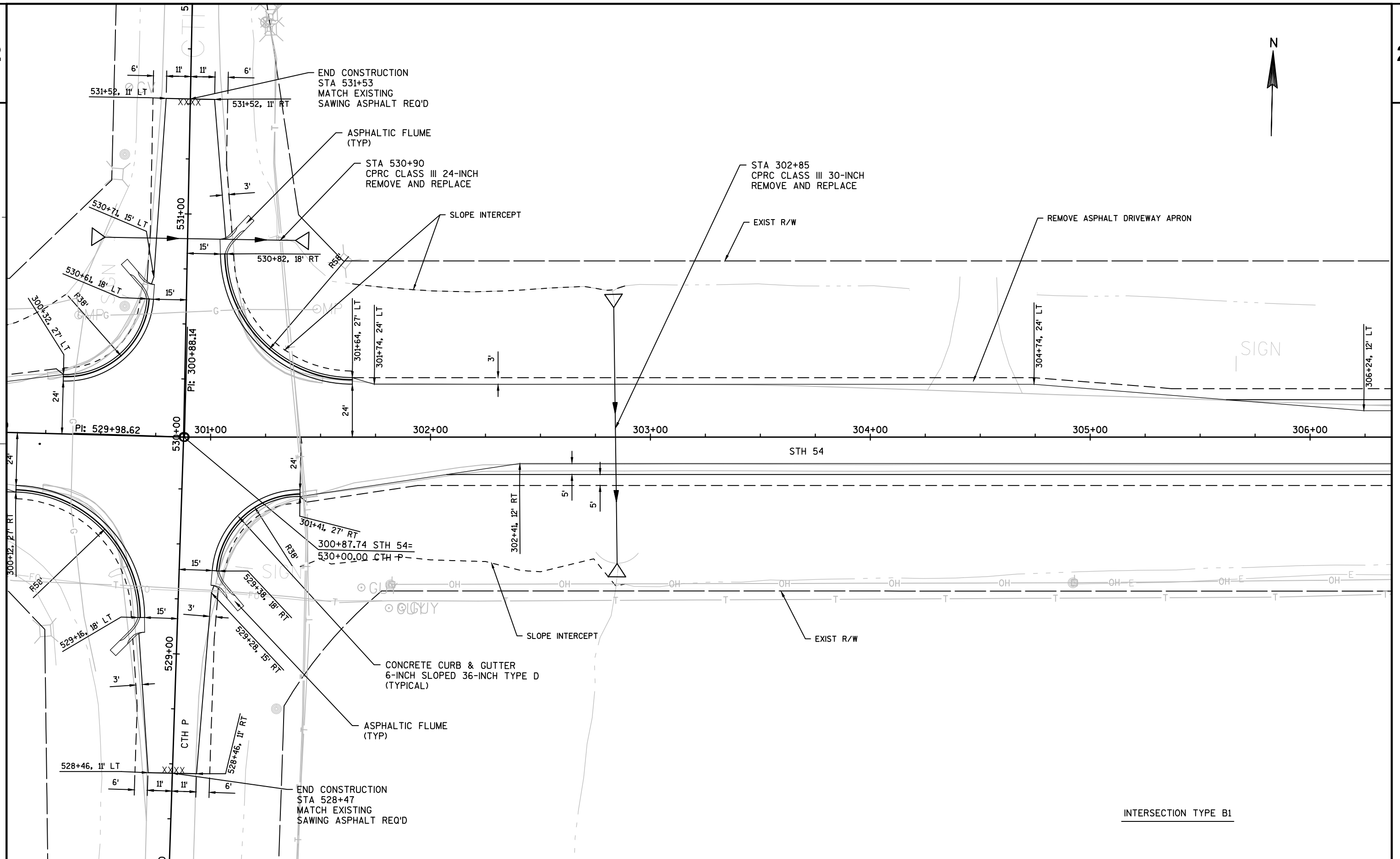
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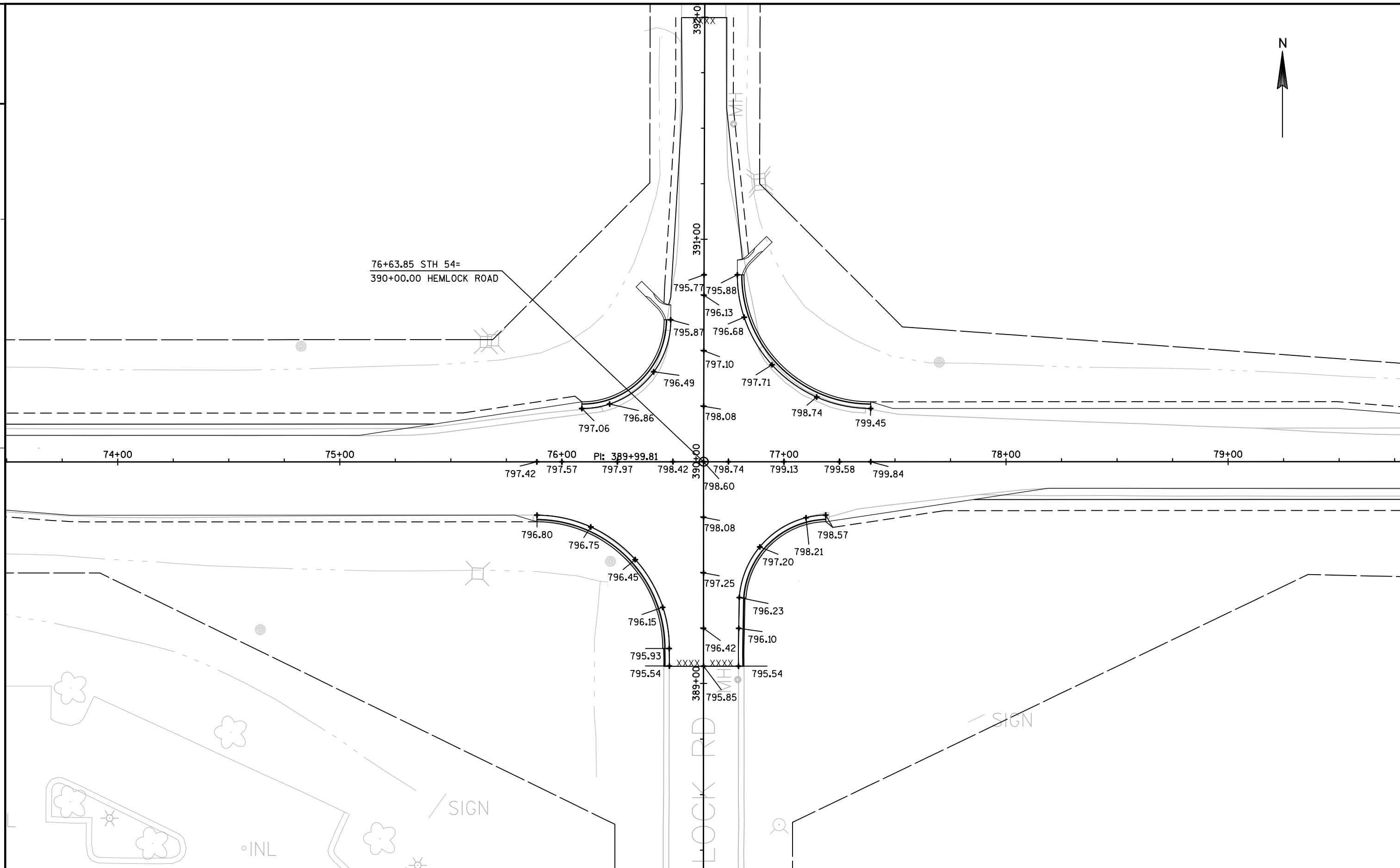


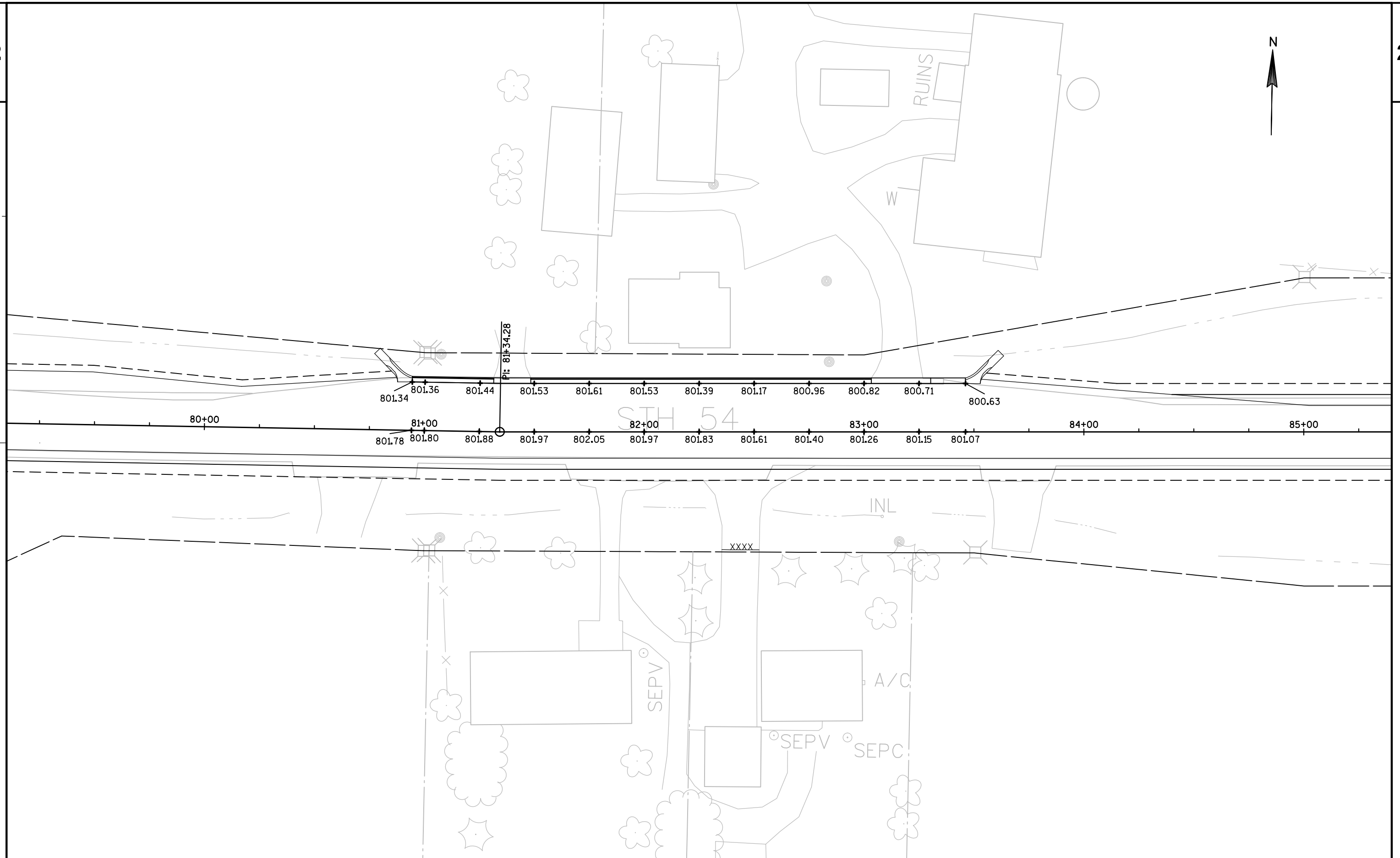


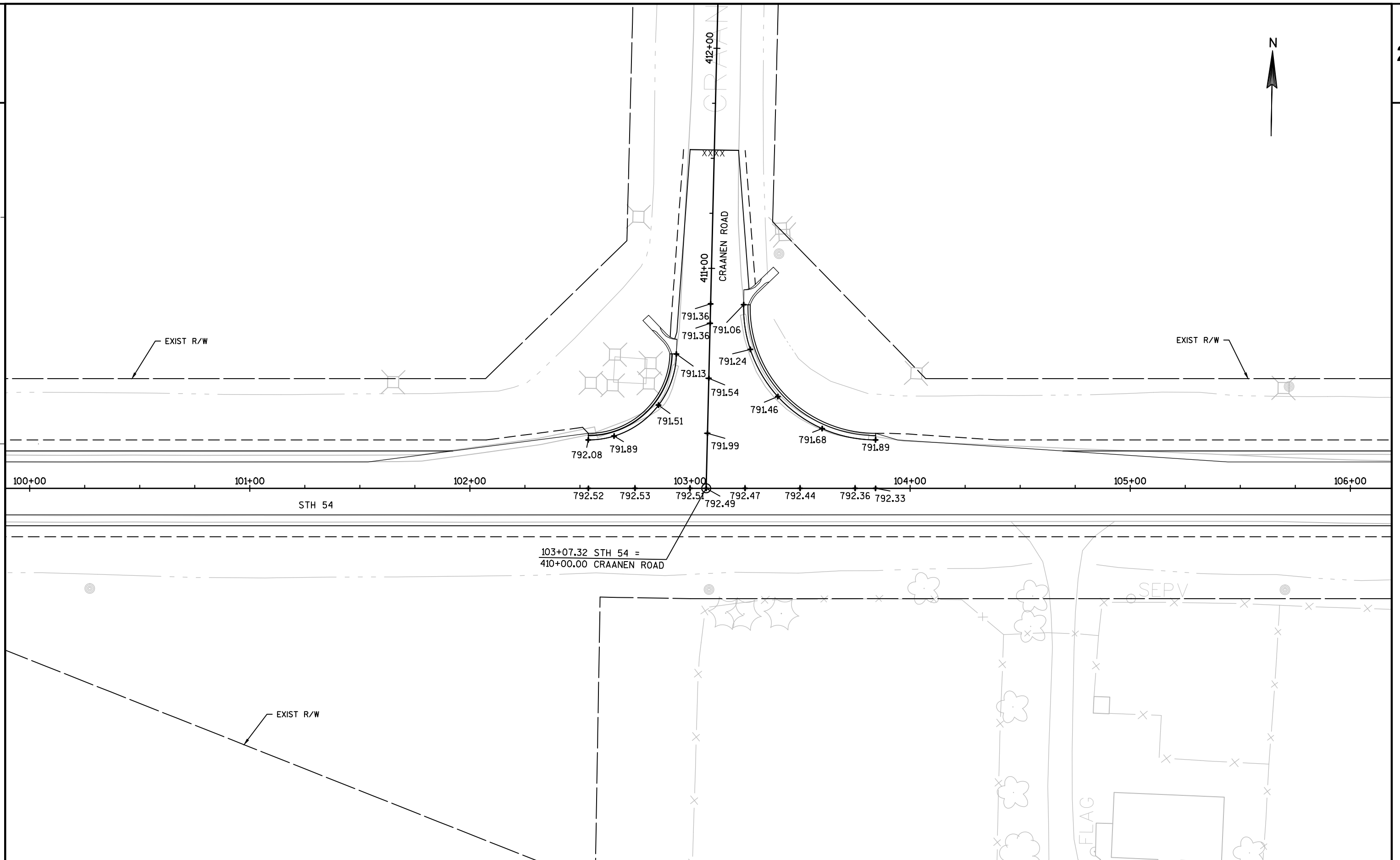
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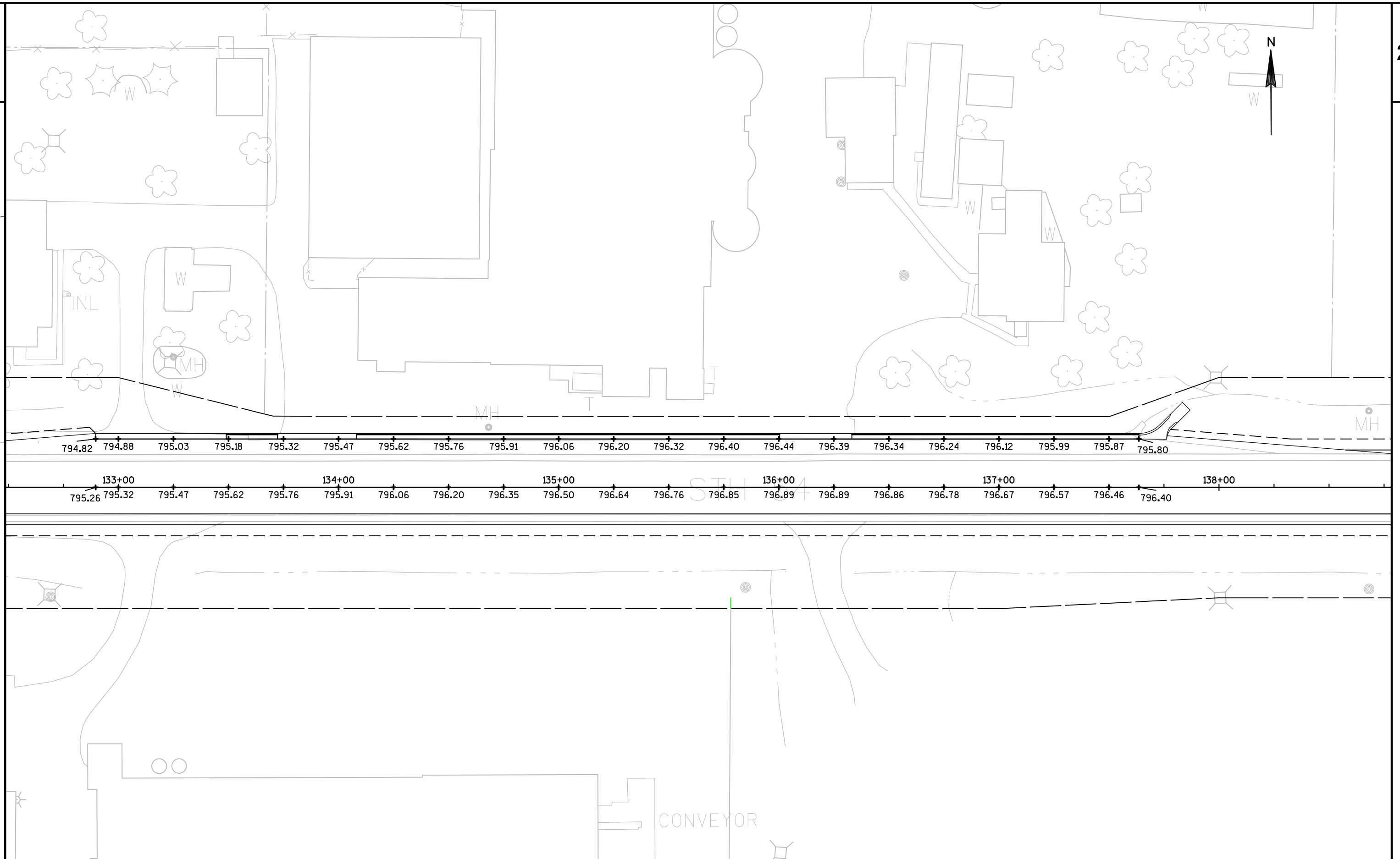




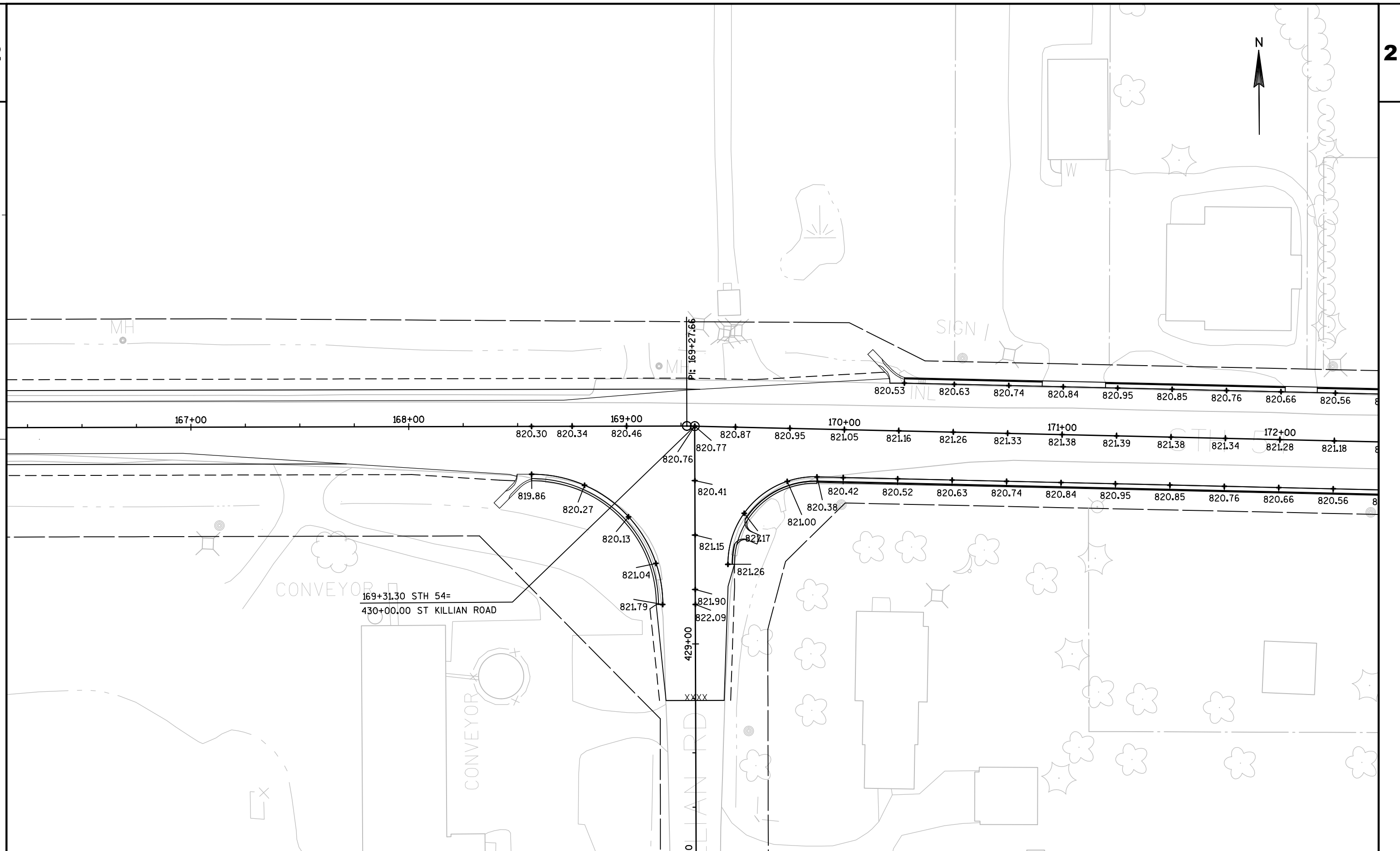


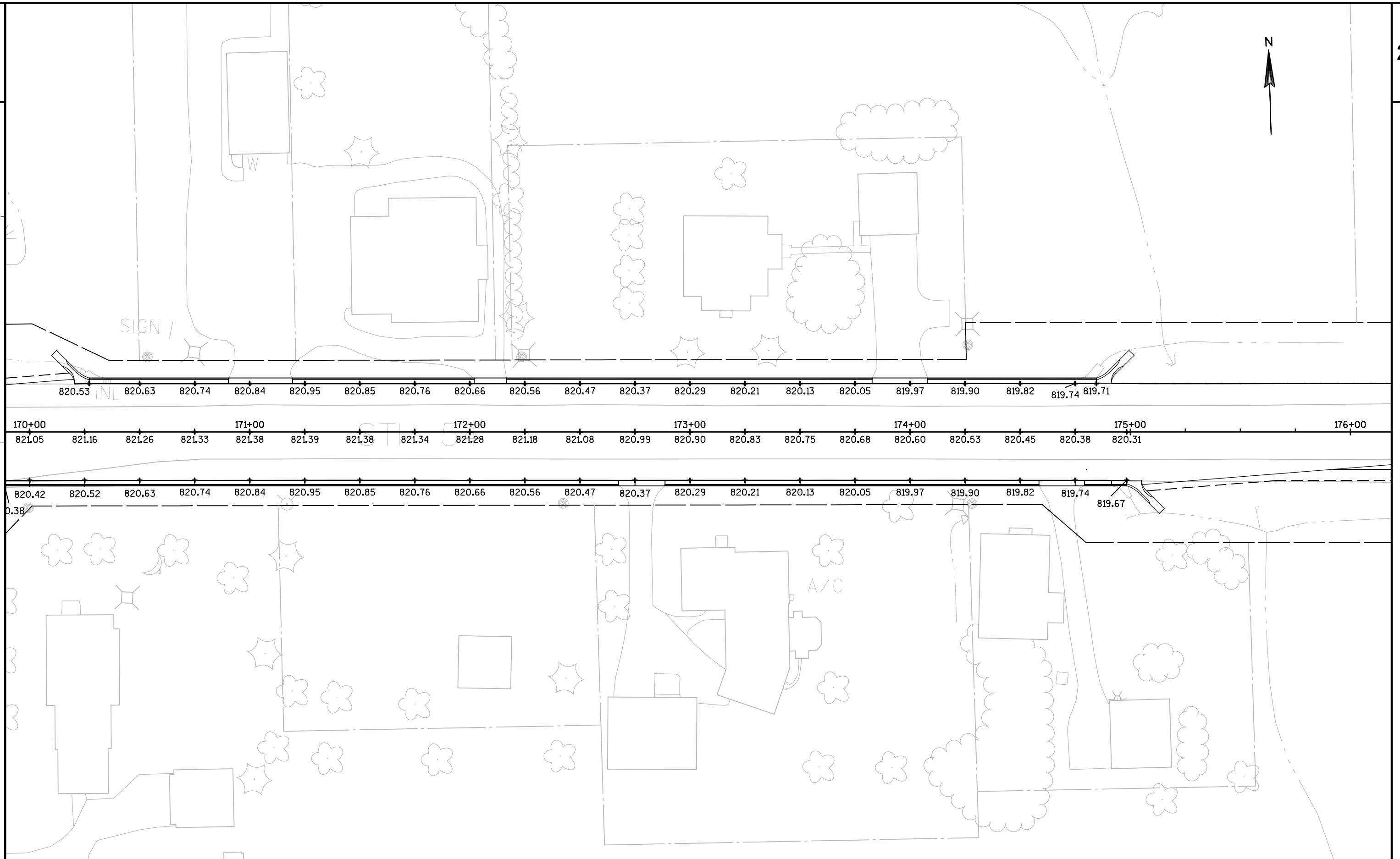
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2



PROJECT NO: 9210-13-71	HWY: STH 54	COUNTY: BROWN	PAVING GRADES	SHEET	E
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2

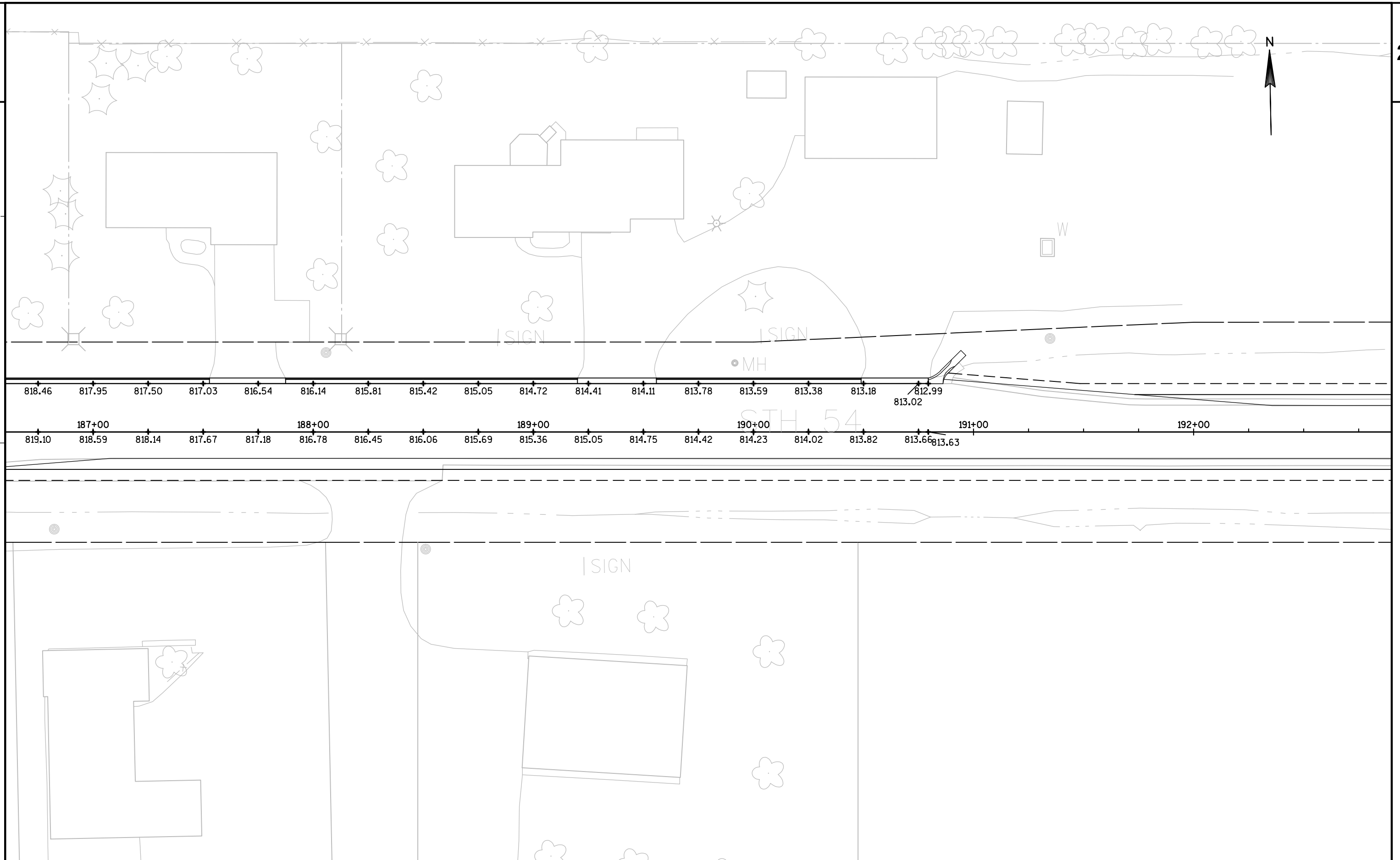
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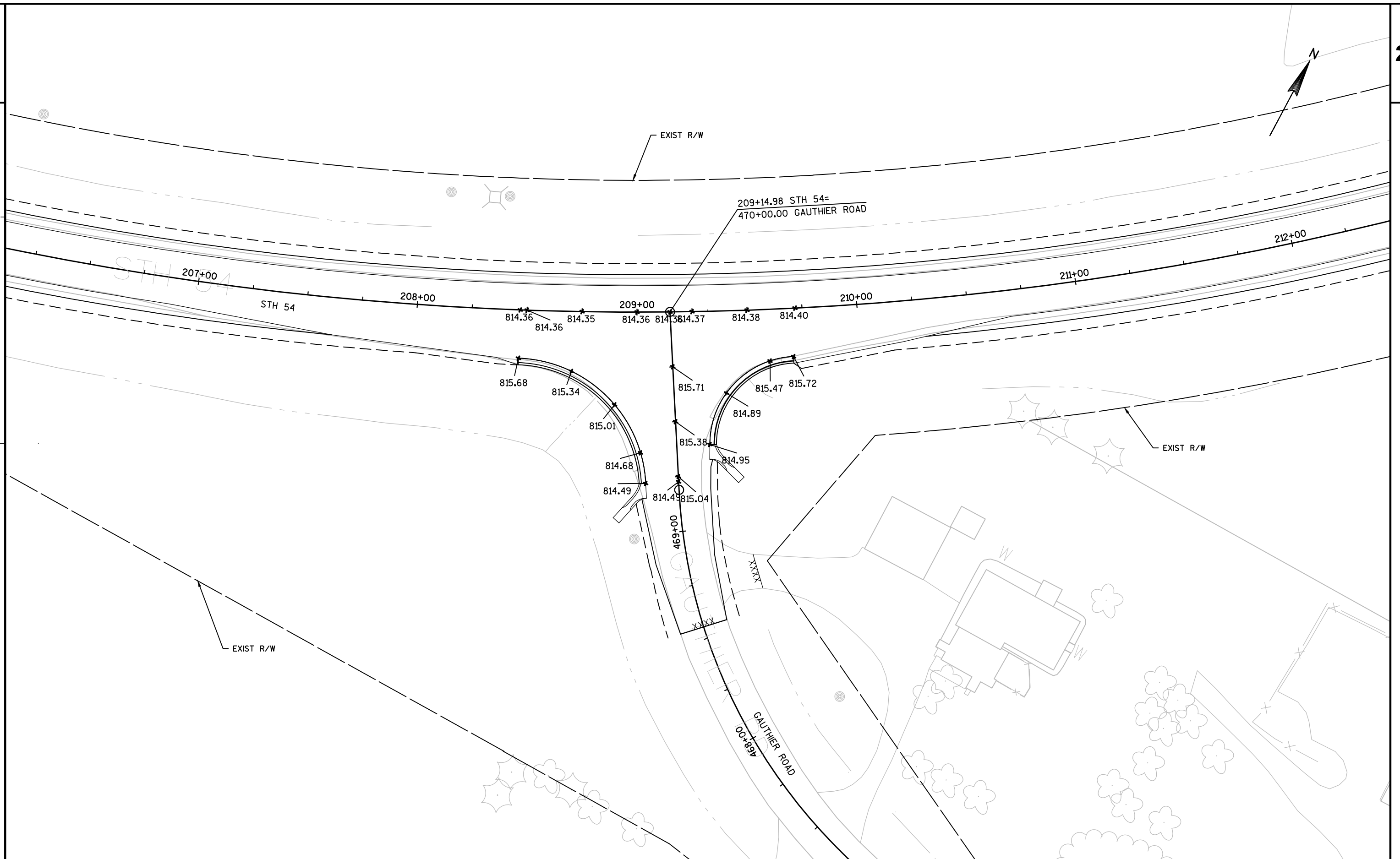
PROJECT NO: 9210-13-71	HWY: STH 54	COUNTY: BROWN	PAVING GRADES (CTH T)	SHEET	E
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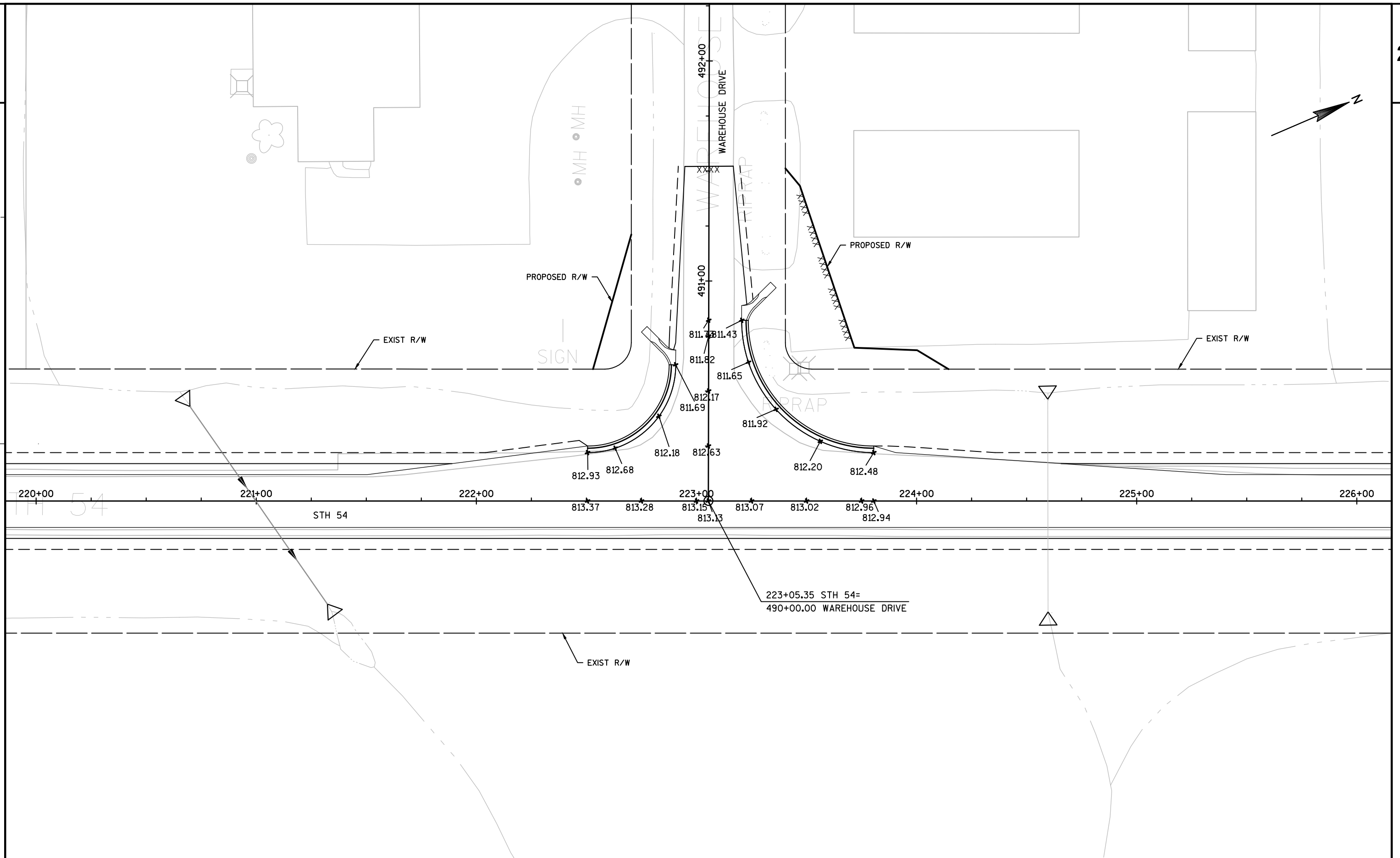
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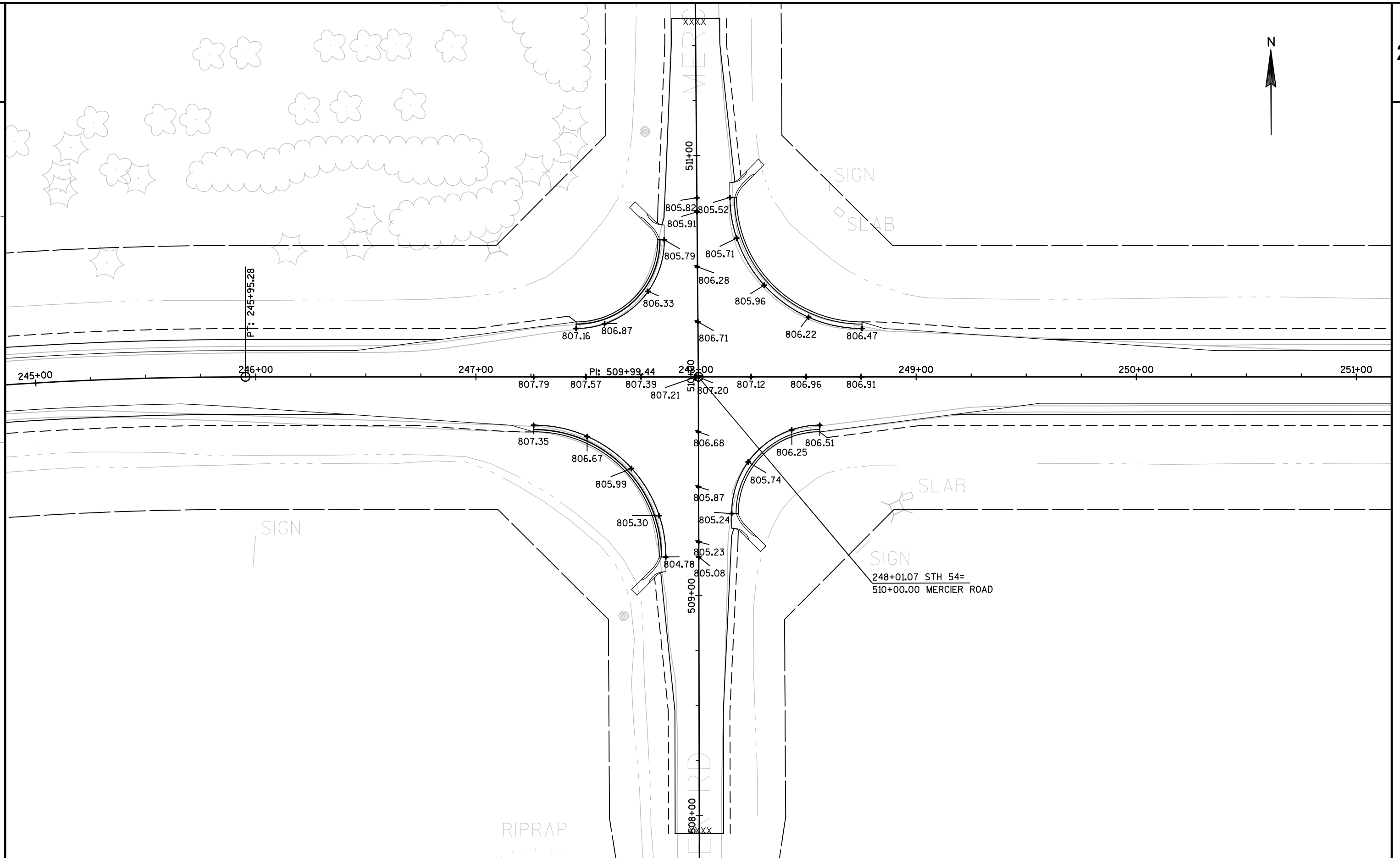


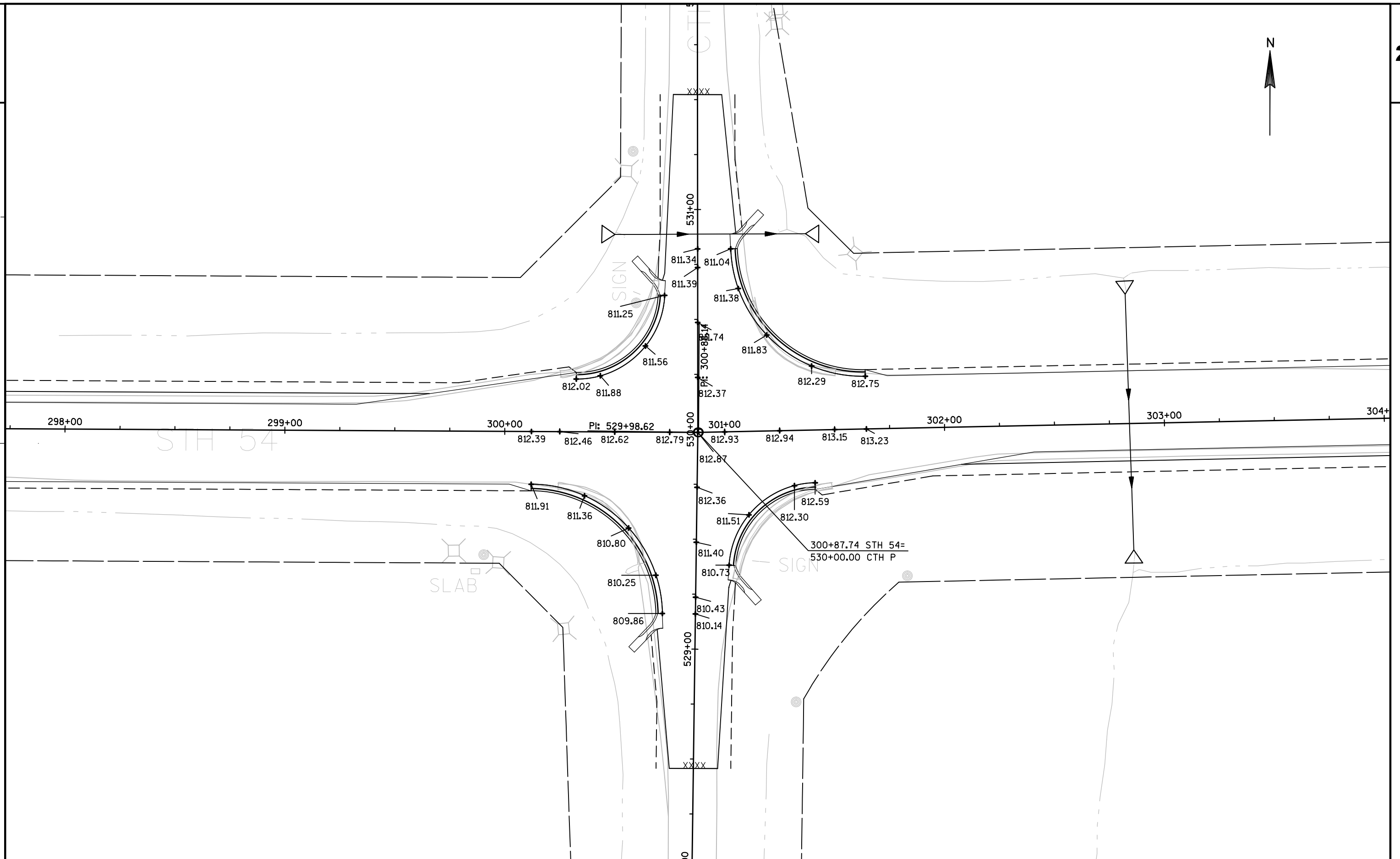


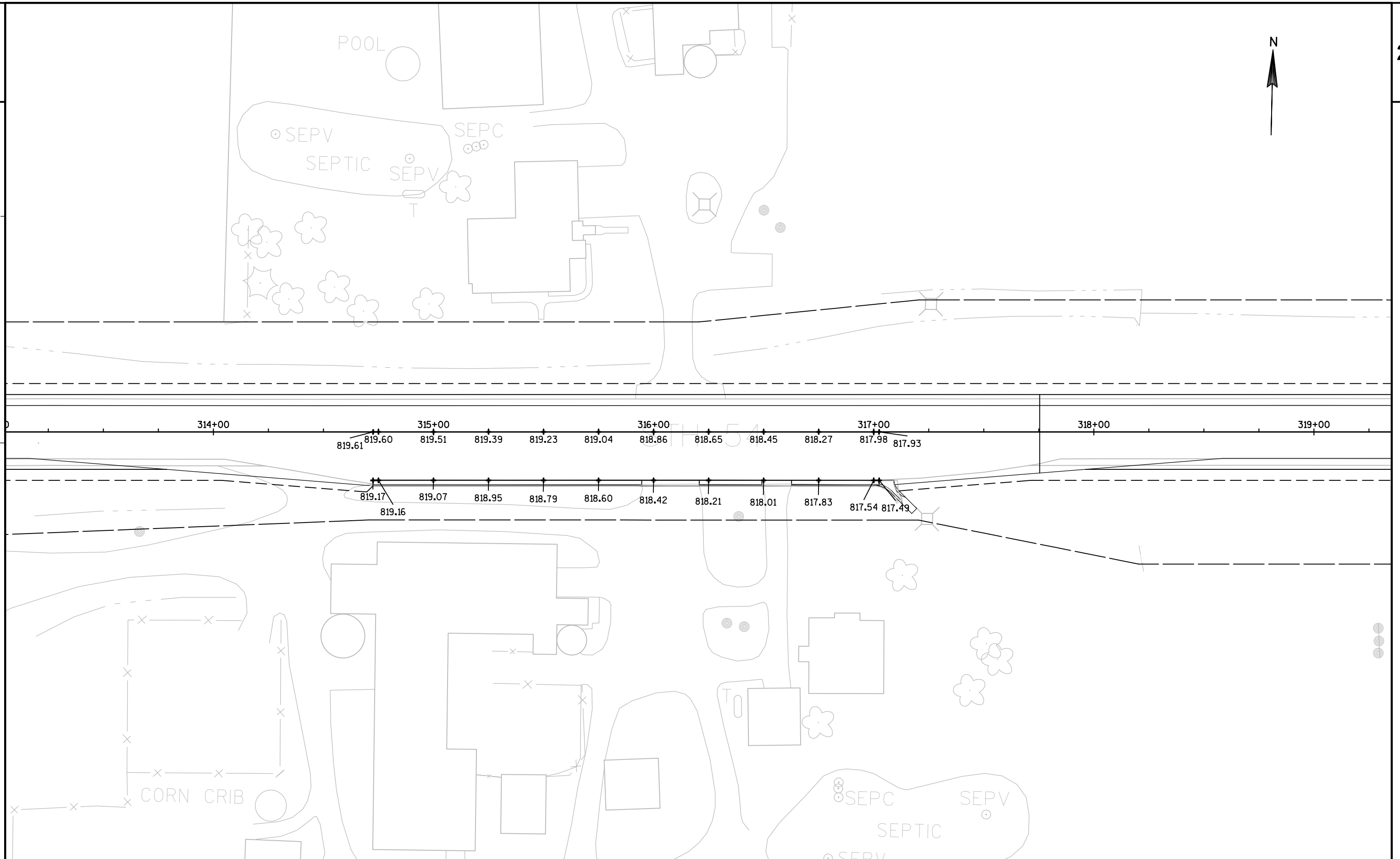
PROJECT NO: 9210-13-71	HWY: STH 54	COUNTY: BROWN	PAVING GRADES (CTH T)	SHEET	E
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SIGNING NOTES

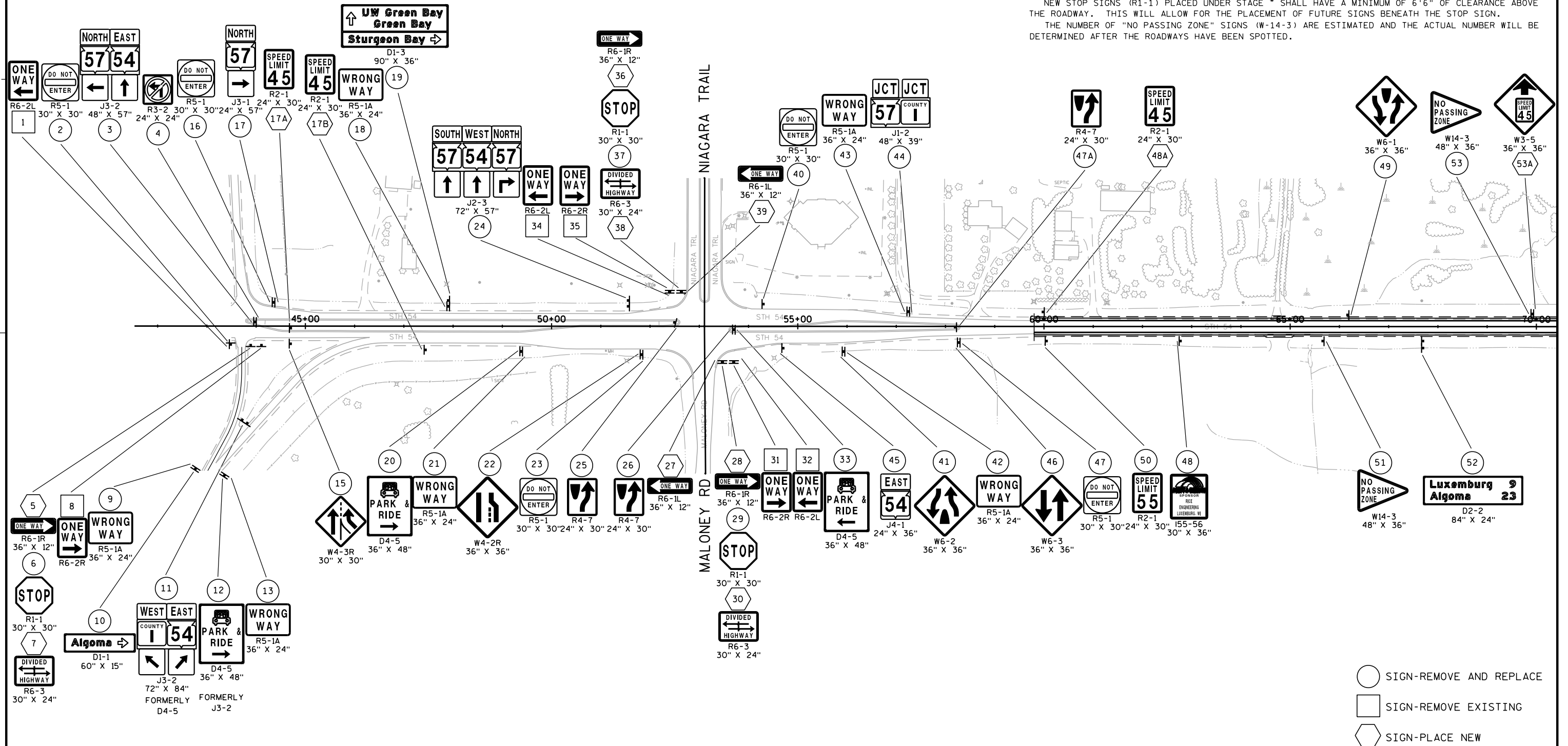
TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

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SIGNING NOTES

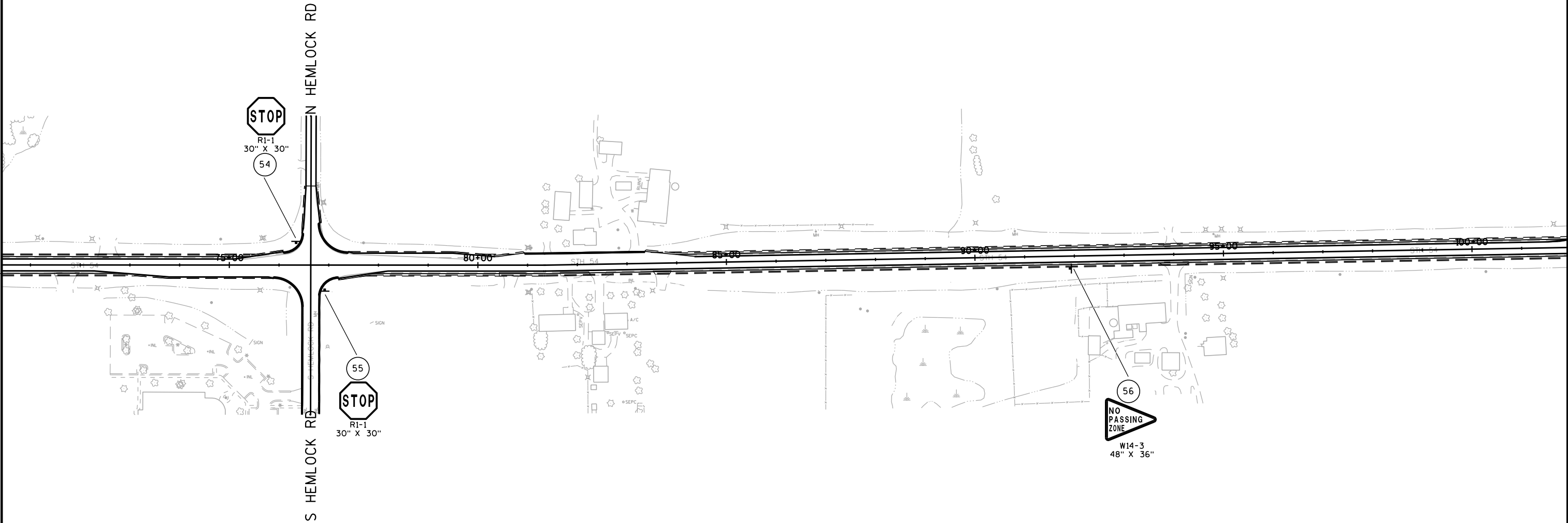
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PLAN SHEET PRODUCED
BY WisDOT-NE REGION



SIGNING NOTES

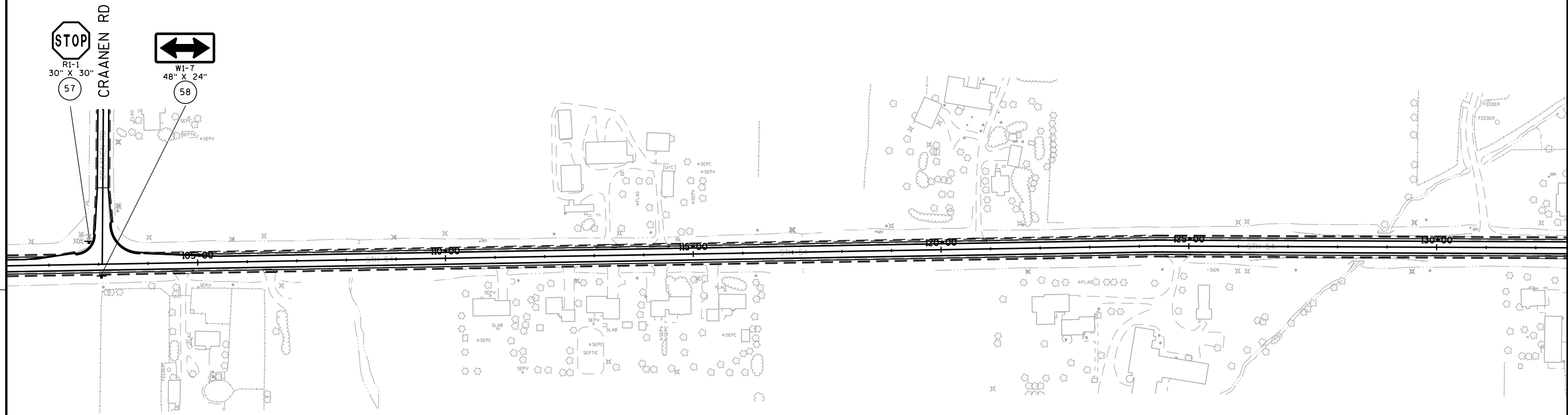
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PLAN SHEET PRODUCED
BY WisDOT-NE REGION

PROJECT NO: 9210-13-71	HWY: STH 54	COUNTY: BROWN	PERMANENT SIGNING	SHEET	E
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SIGNING NOTES

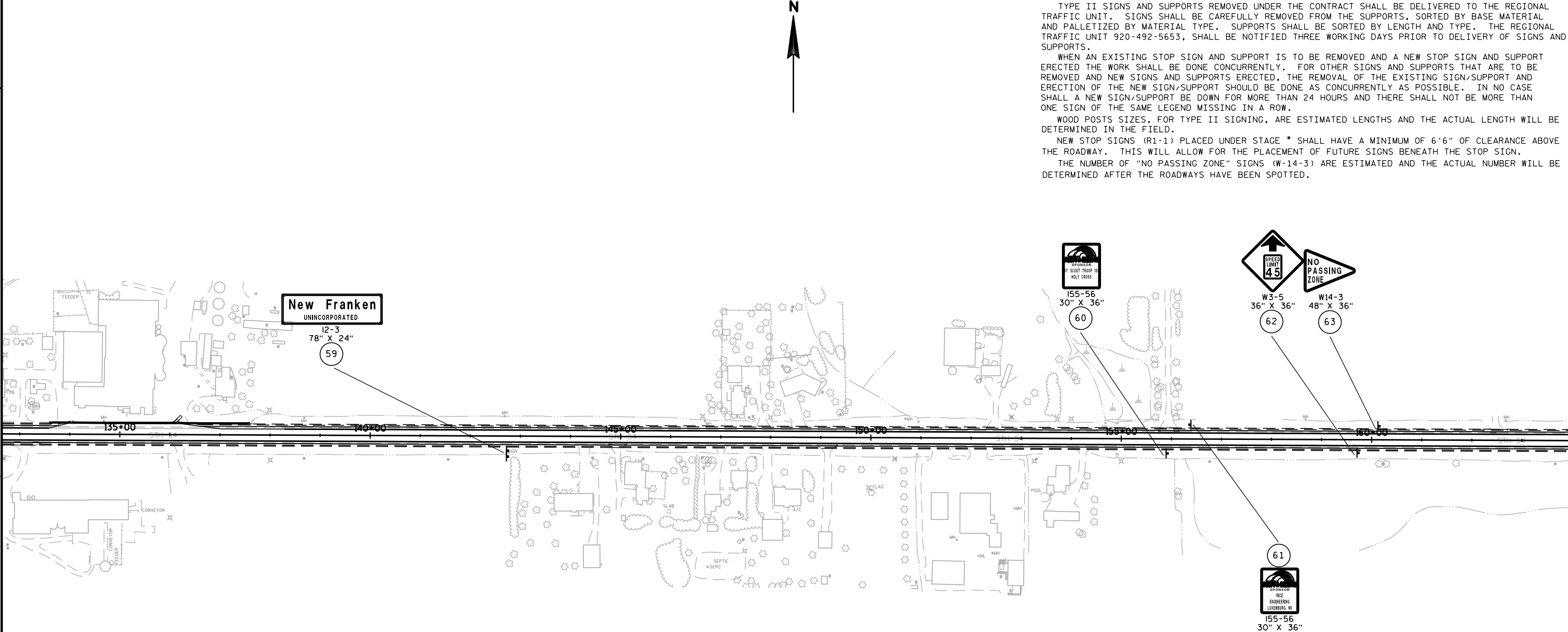
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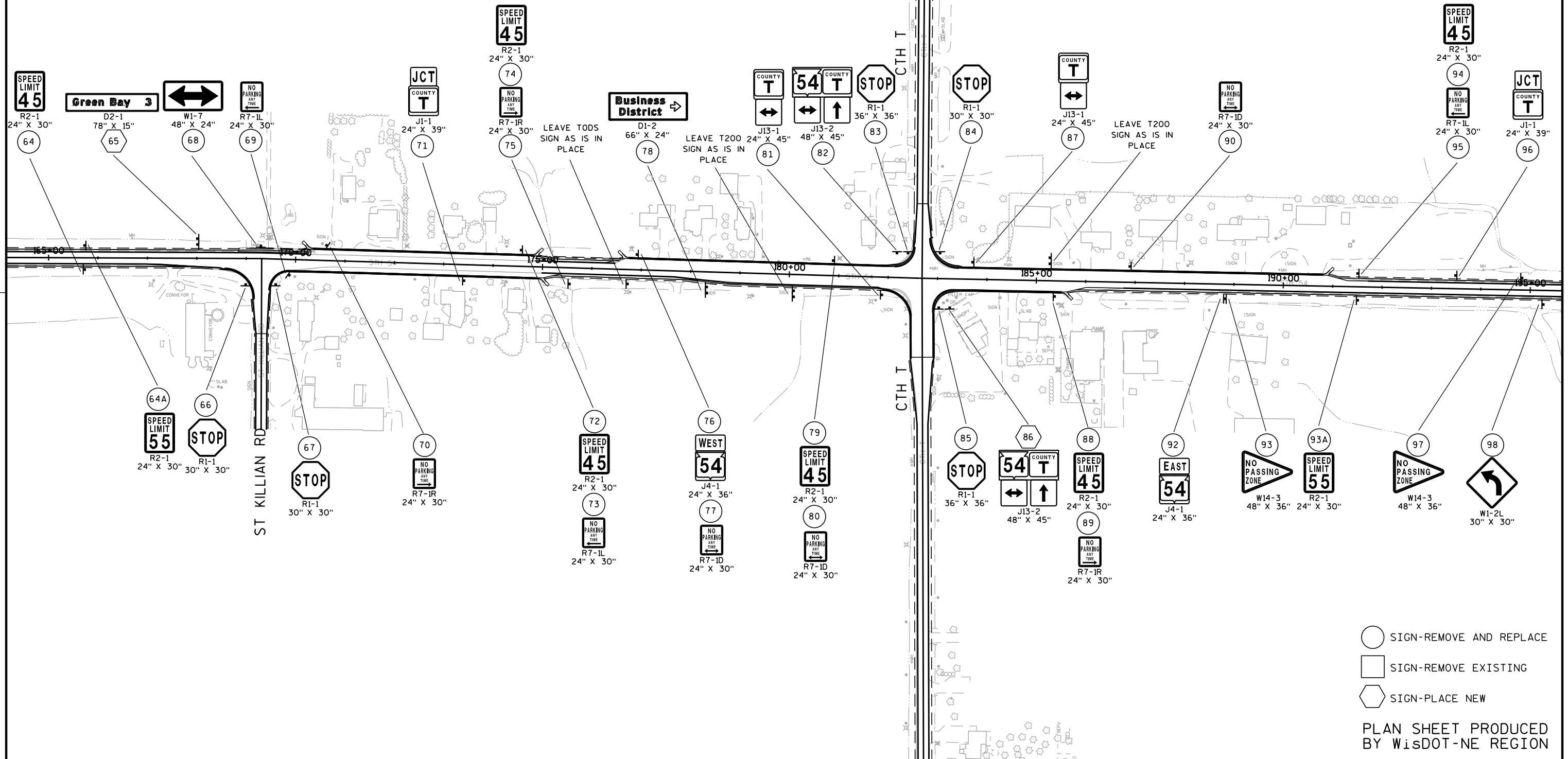
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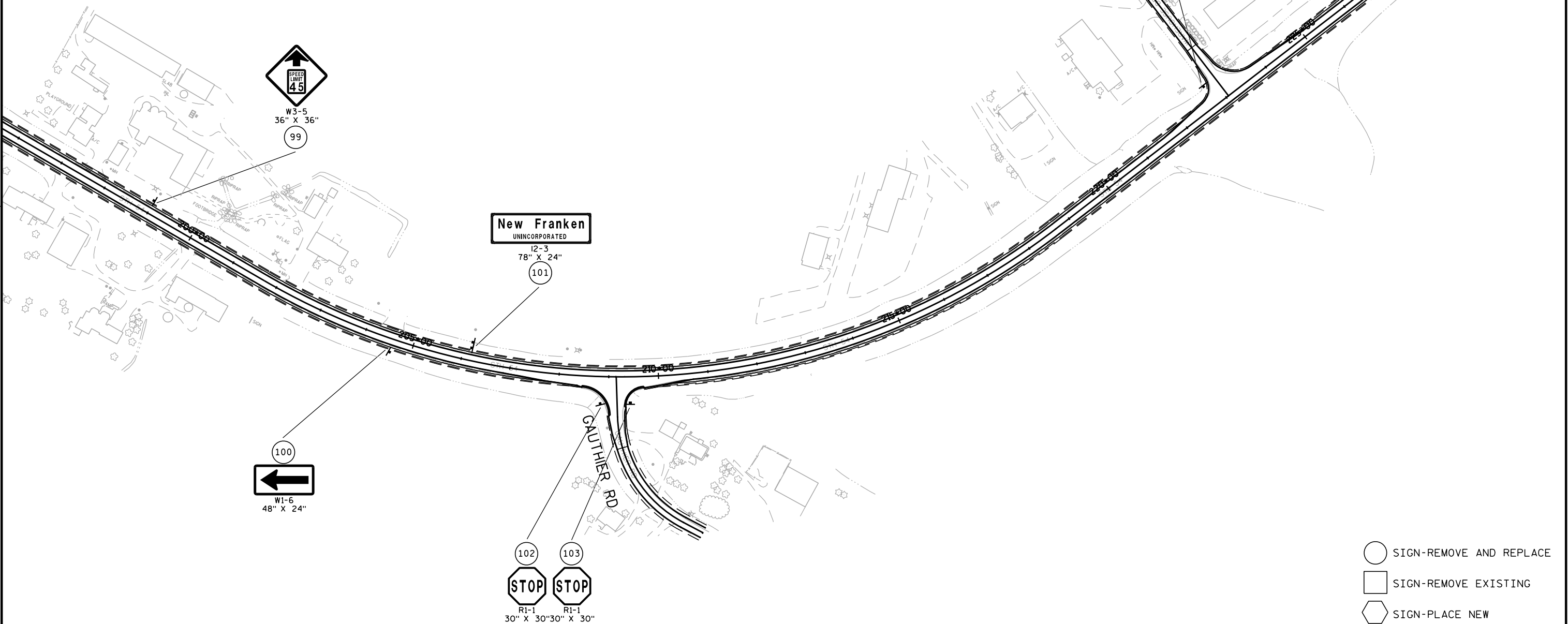
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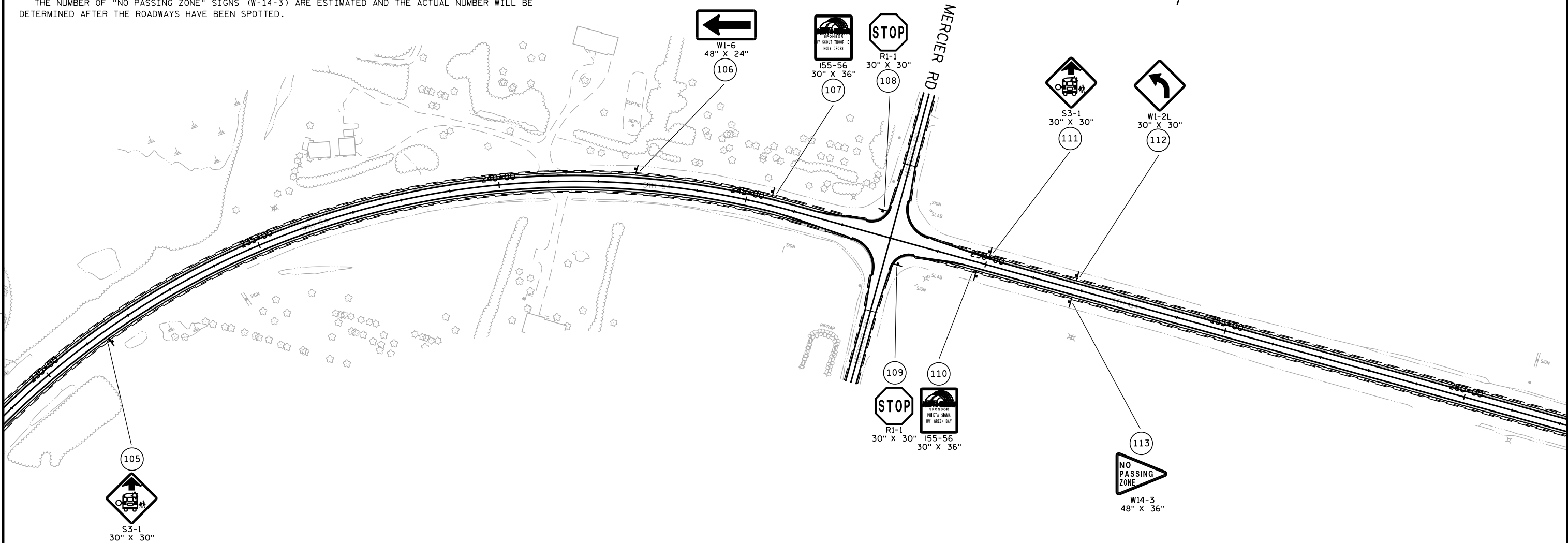
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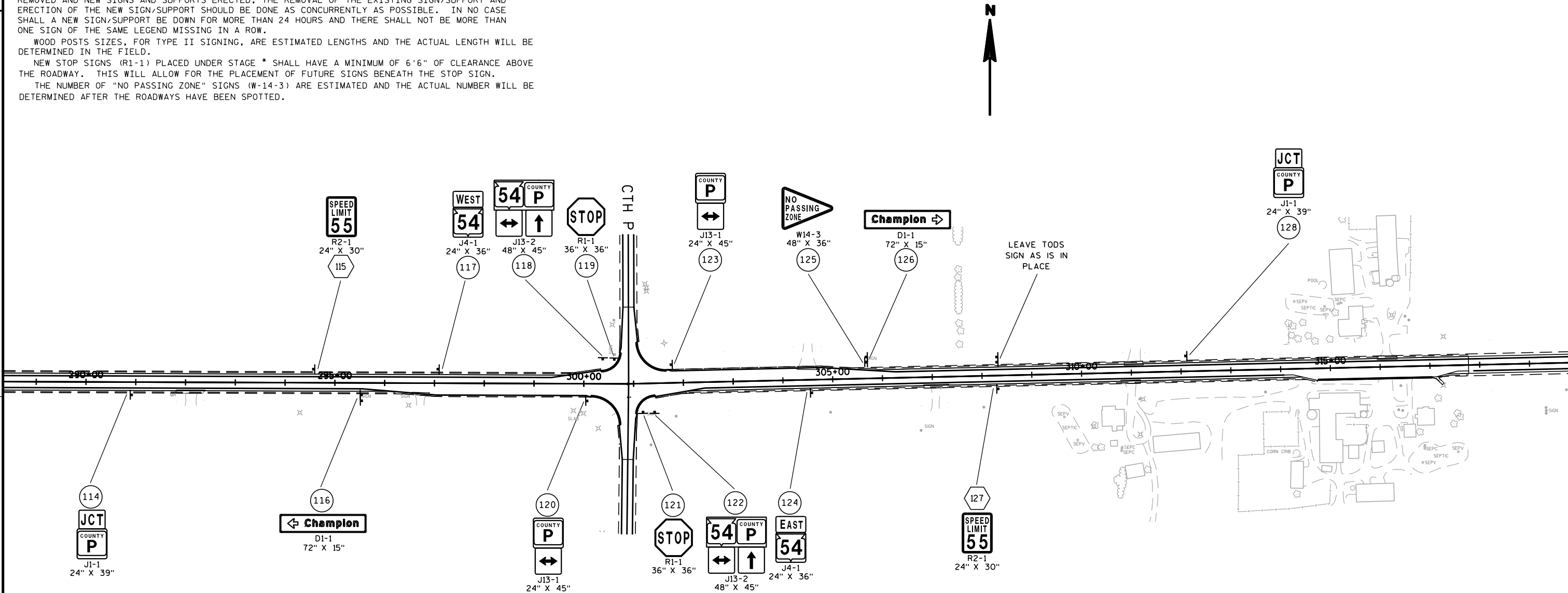
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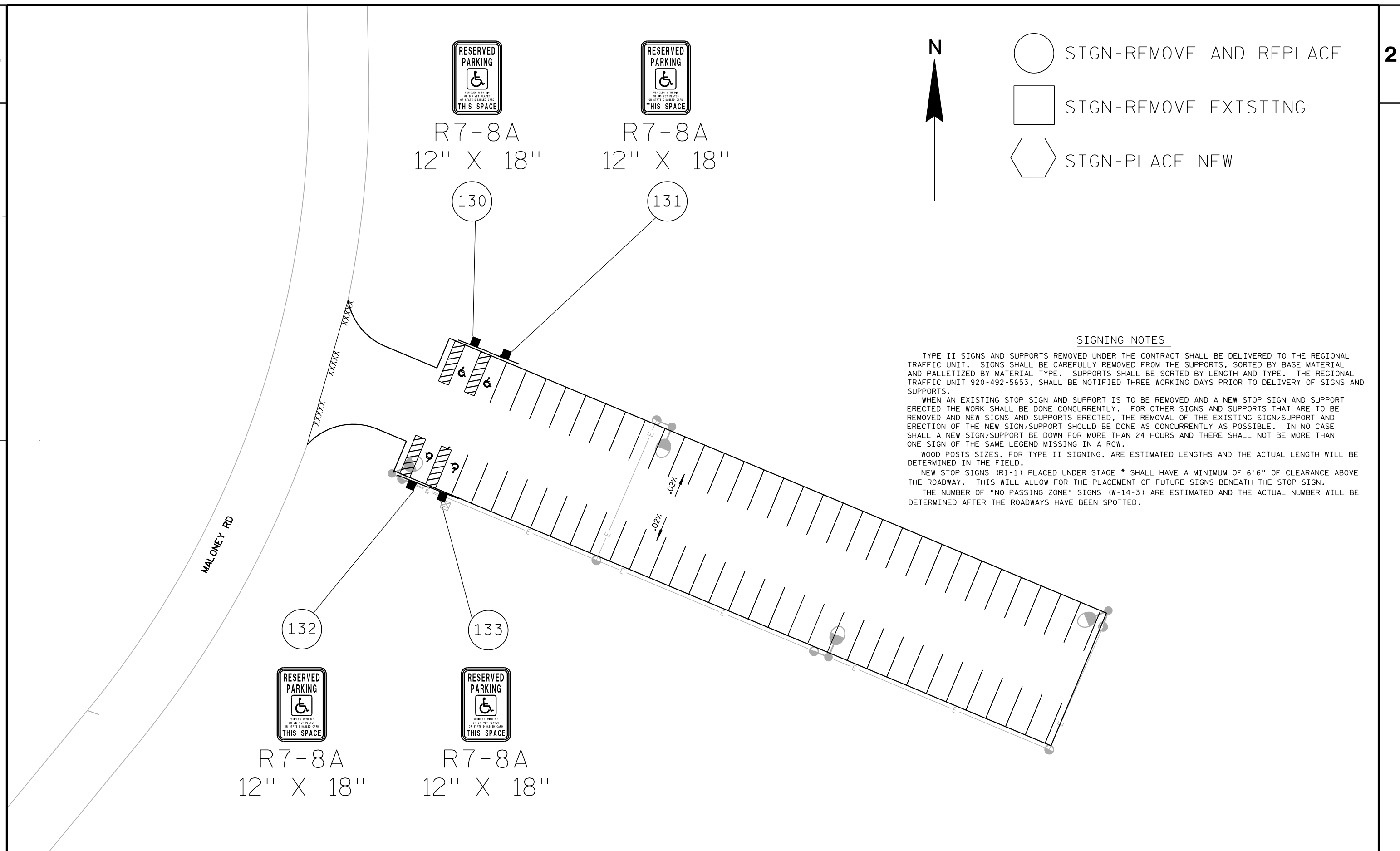
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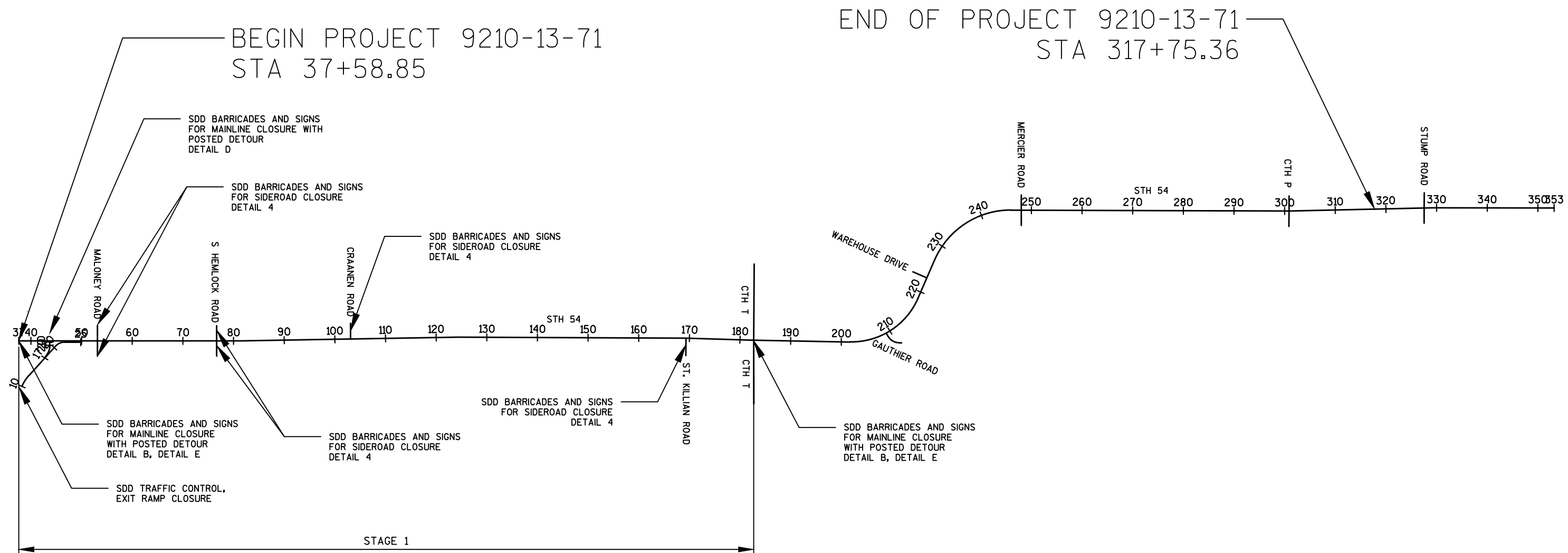
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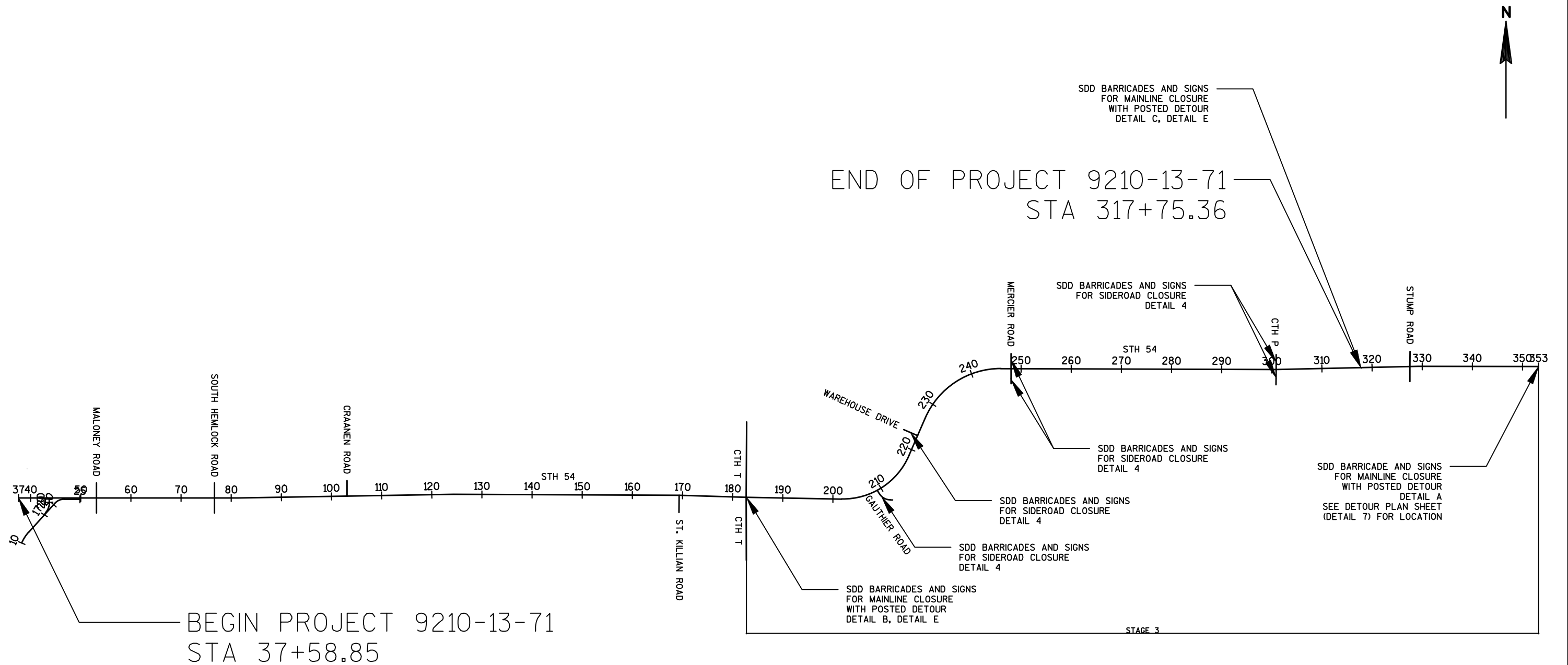


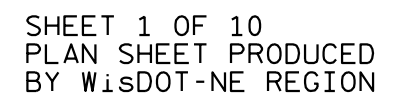
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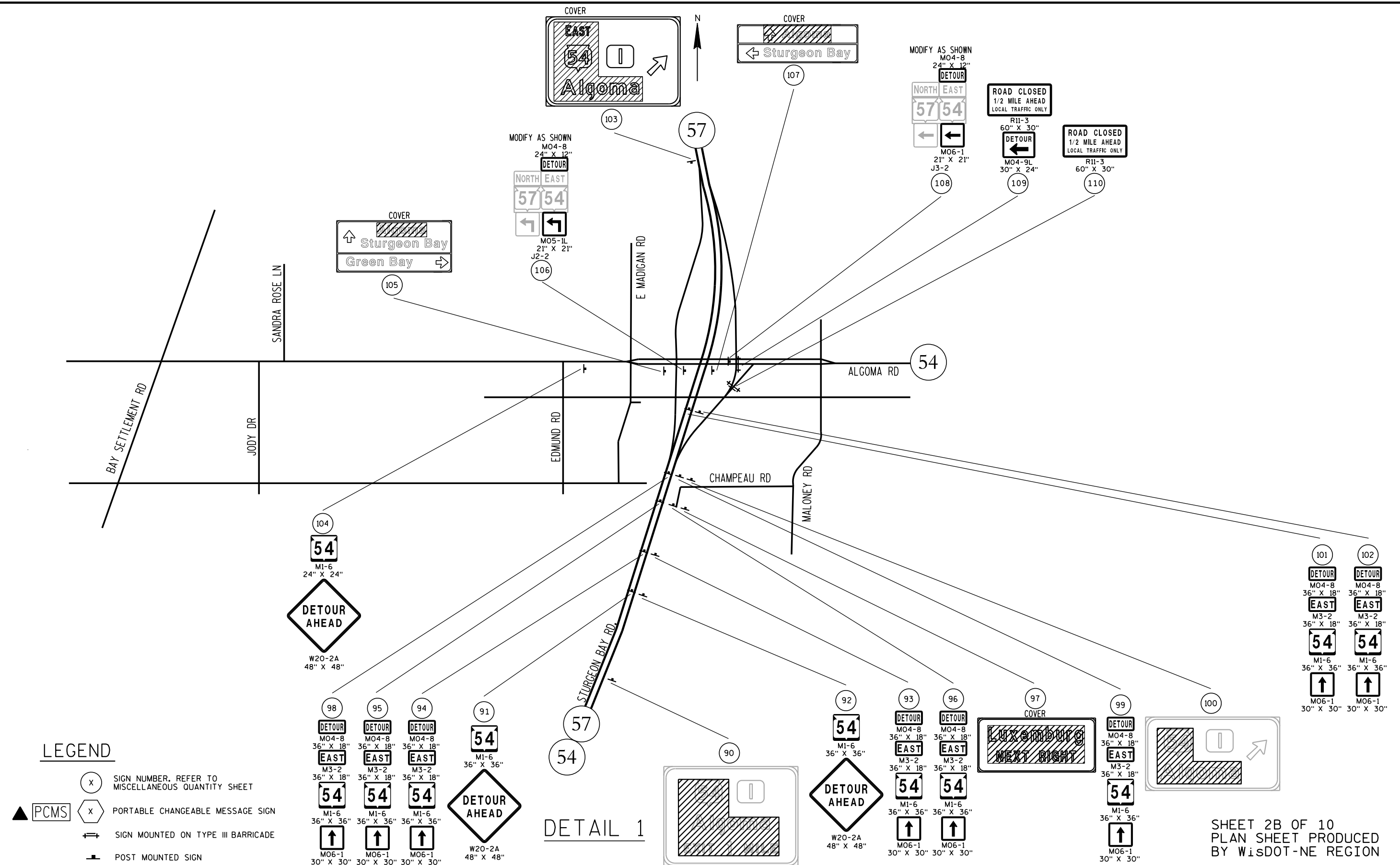


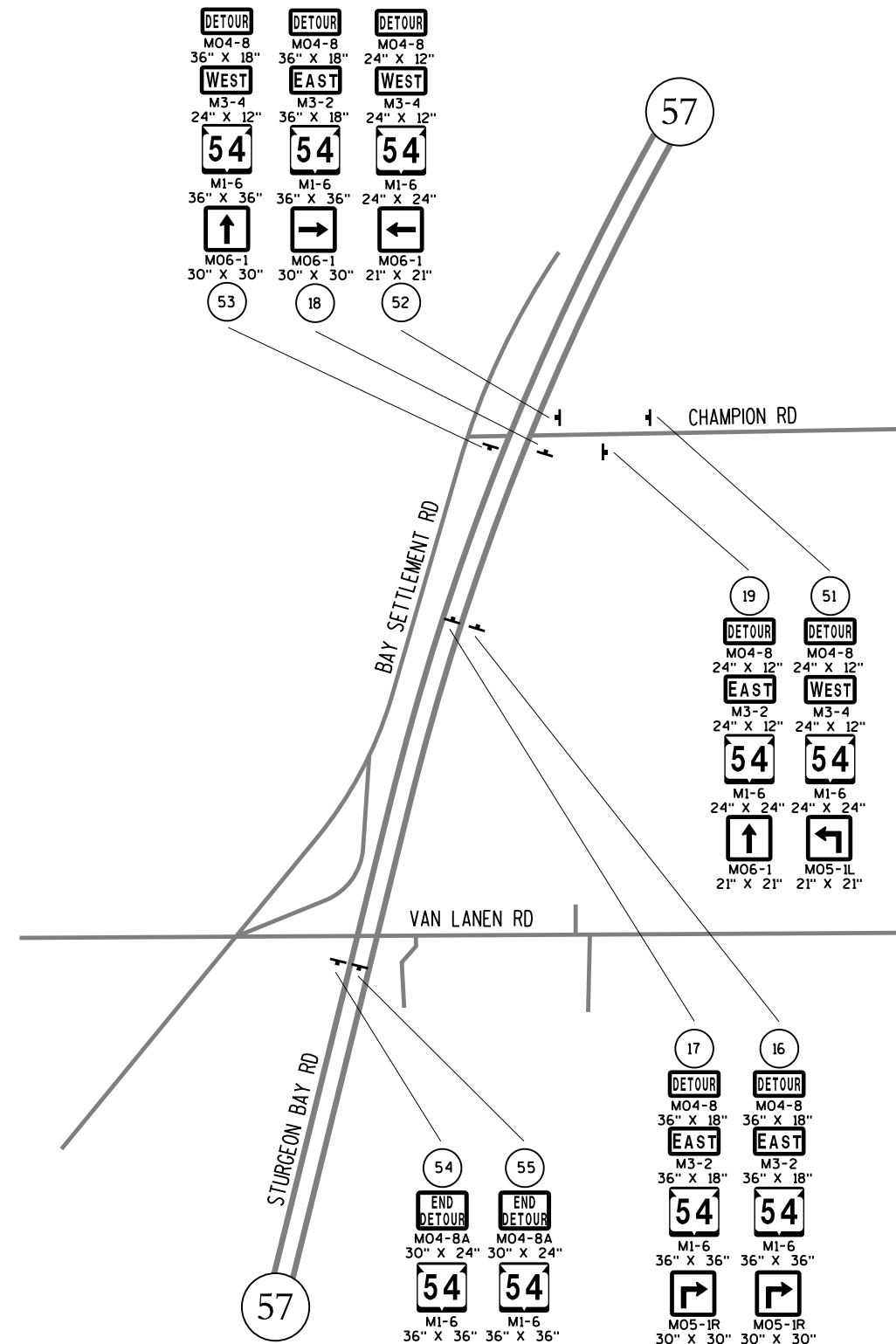












LEGEND

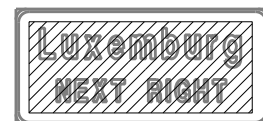
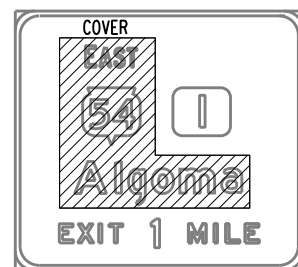
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- Sign mounted on Type III Barricade
- Post mounted sign

DETAIL 2

SHEET 3 OF 10
PLAN SHEET PRODUCED
BY WISDOT-NE REGION

DETAIL 2

(SEE SHEET 3 OF 10)

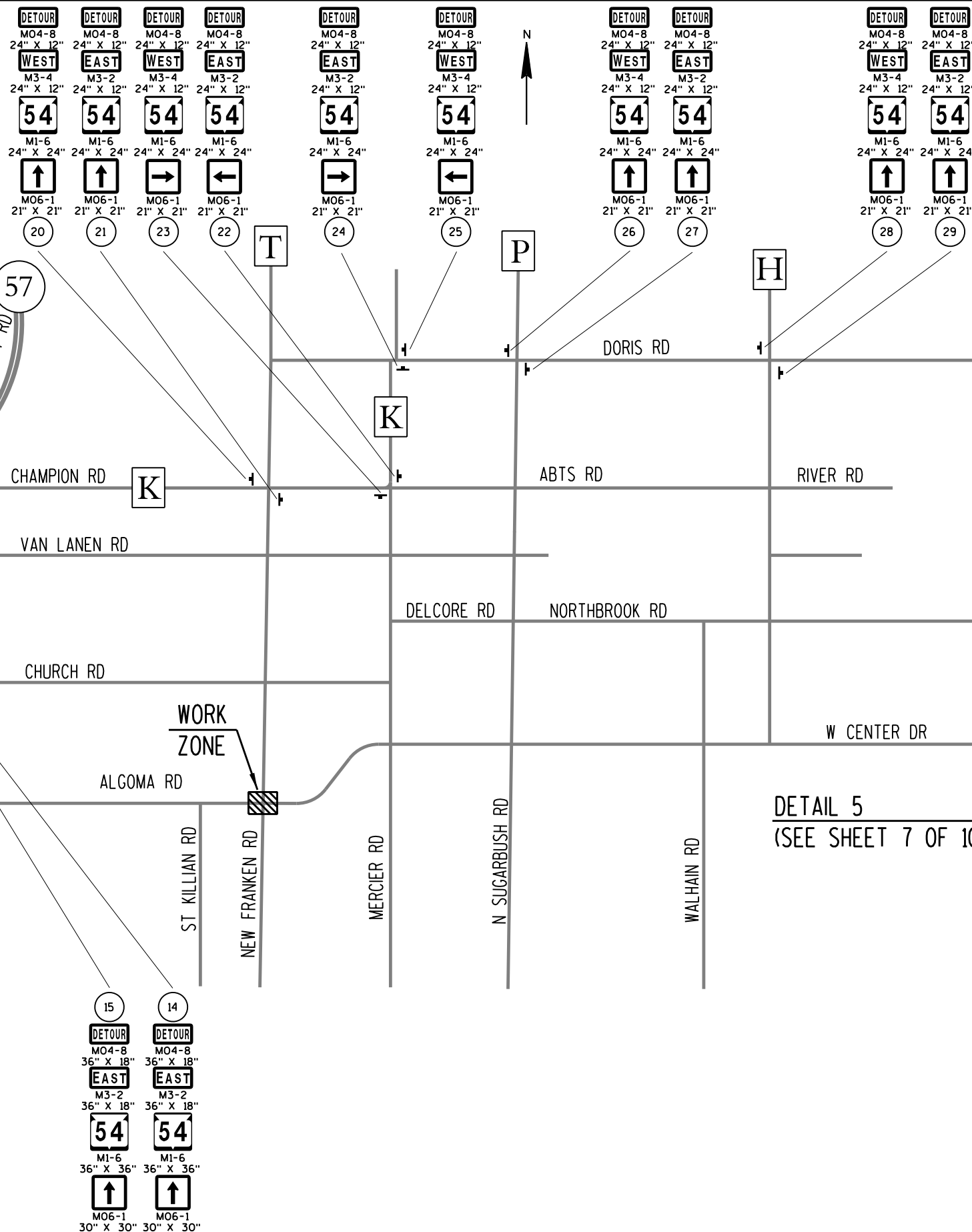


DETAIL 3

(SEE SHEET 5 OF 10)

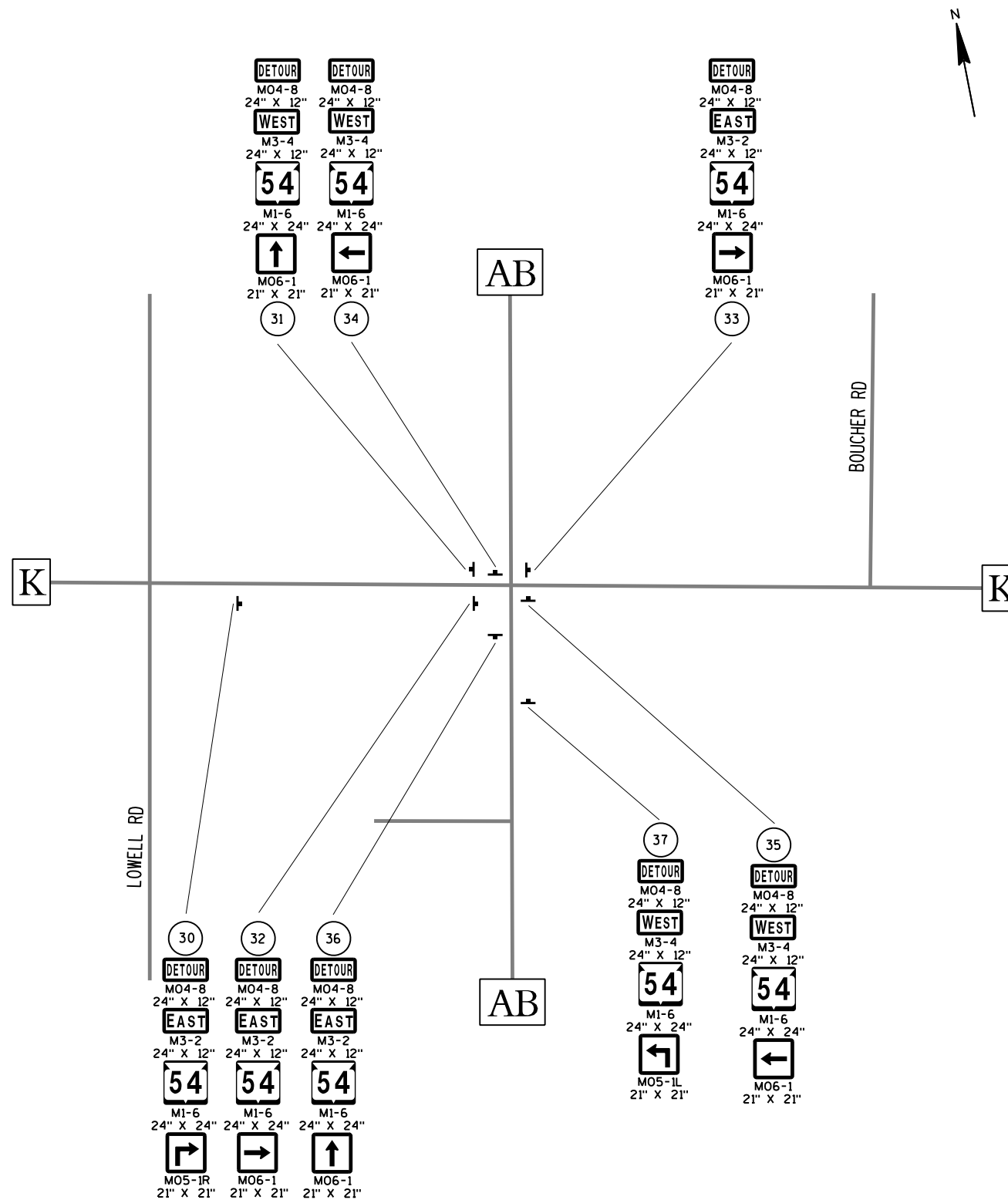
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- (X) SIGN NUMBER, REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- ⇄ SIGN MOUNTED ON TYPE III BARRICADE
- ⊥ POST MOUNTED SIGN



SHEET 4 OF 10
PLAN SHEET PRODUCED
BY WISDOT-NE REGION



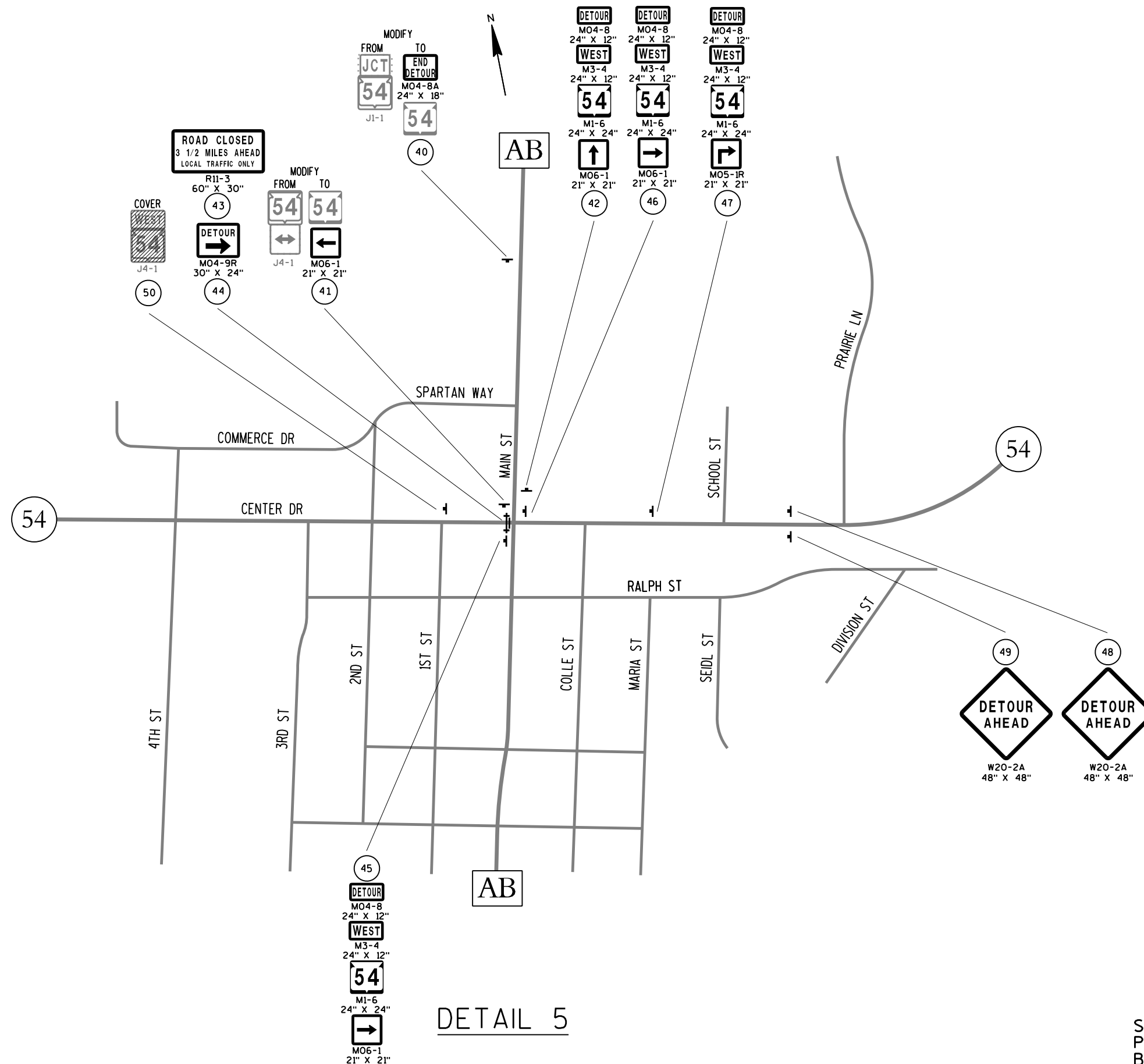


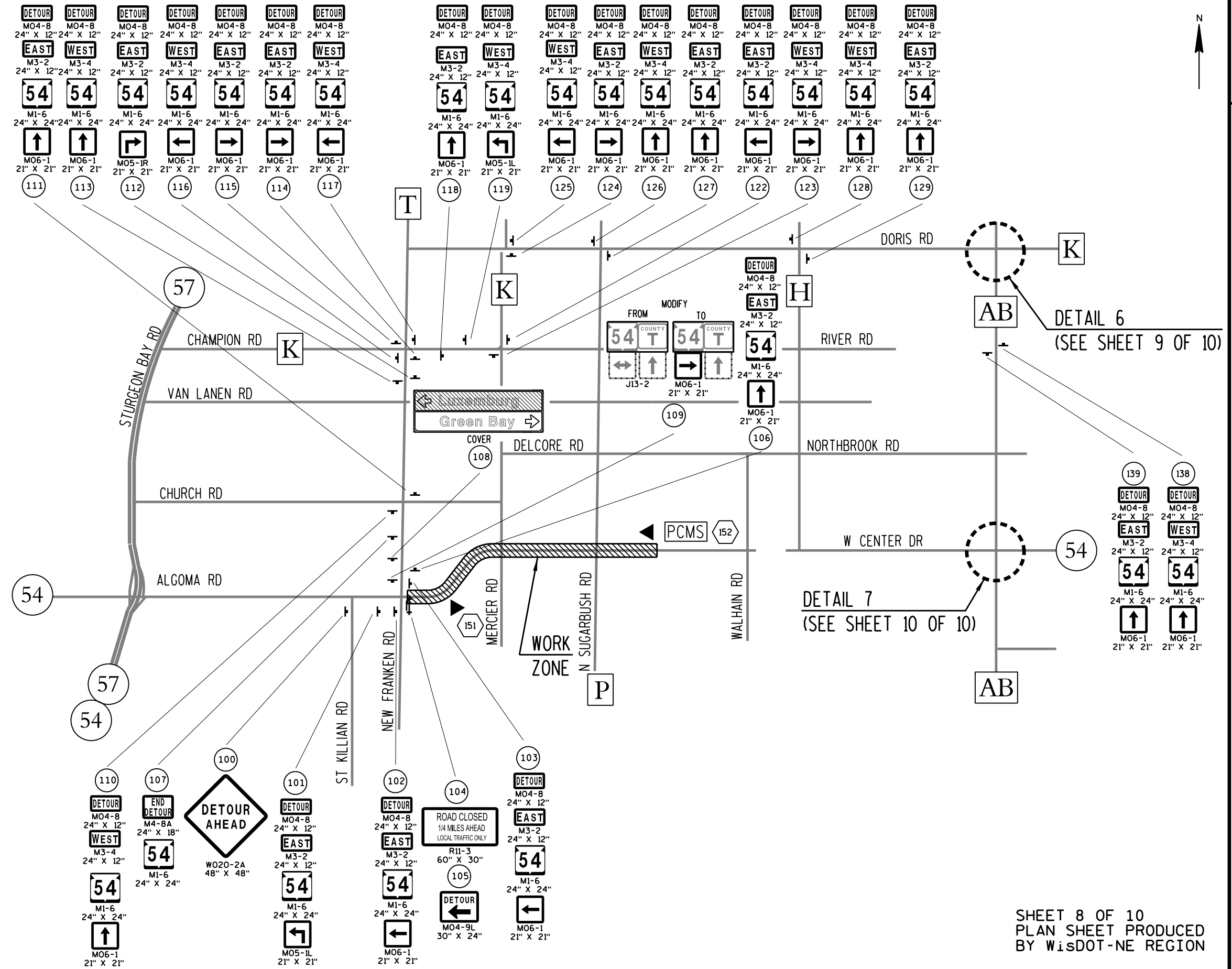
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- POST MOUNTED SIGN

DETAIL 4

SHEET 6 OF 10
PLAN SHEET PRODUCED
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LEGEND

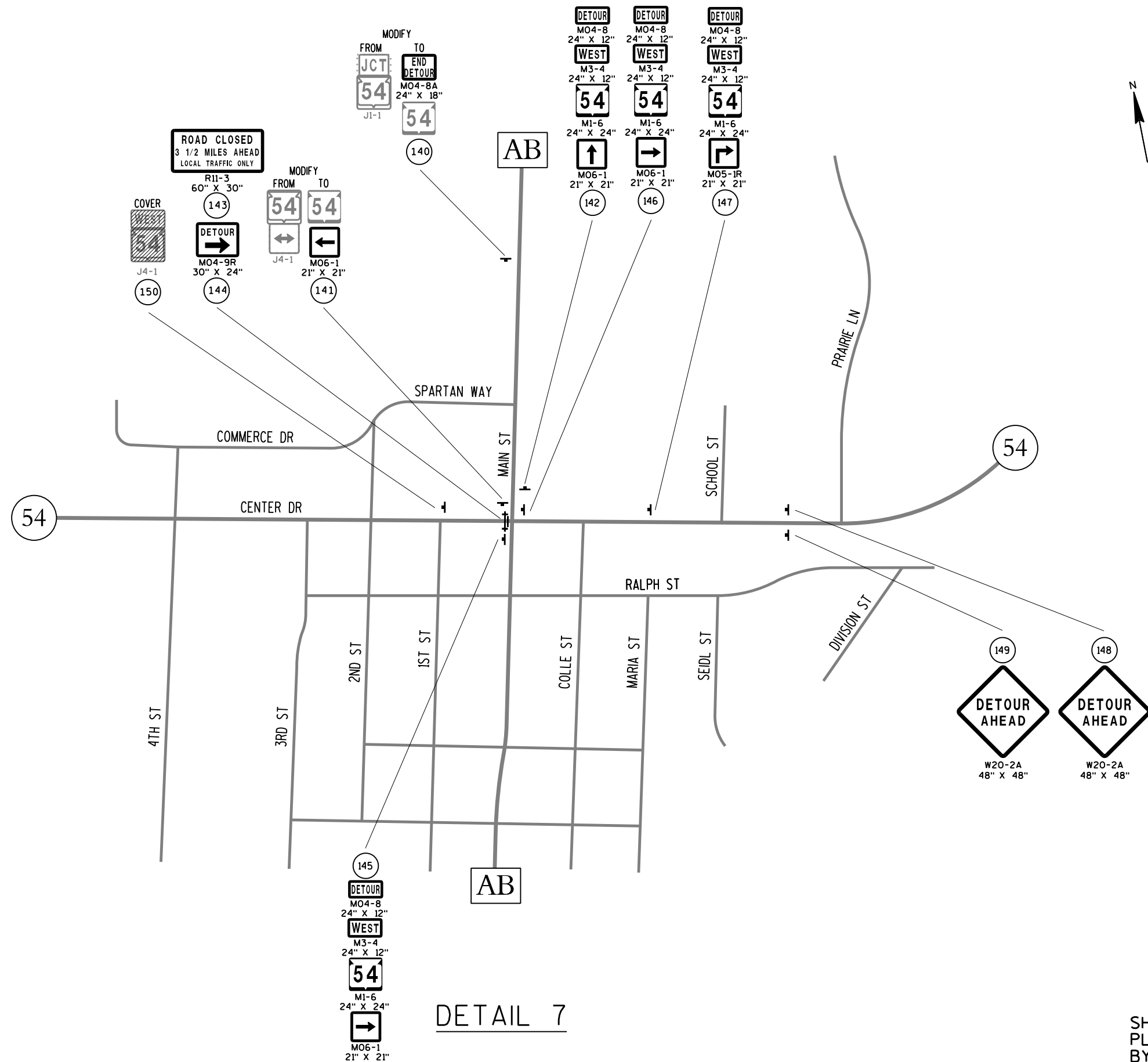
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- (PCMS) PORTABLE CHANGEABLE MESSAGE SIGN
- (BARRICADE) SIGN MOUNTED ON TYPE III BARRICADE
- (POST) POST MOUNTED SIGN

SHEET 8 OF 10
PLAN SHEET PRODUCED
BY WISDOT-NE REGION



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		PORTABLE CHANGEABLE MESSAGE SIGN
		SIGN MOUNTED ON TYPE III BARRICADE
		POST MOUNTED SIGN

SHEET 9 OF 10
PLAN SHEET PRODUCED
BY WisDOT-NE REGION



DATE 01MAR16		E S T I M A T E O F Q U A N T I T I E S			
LINE					9210-13-71
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	203.0100	Removing Small Pipe Culverts	EACH	11.000	11.000
0020	204.0100	Removing Pavement	SY	104.000	104.000
0030	204.0110	Removing Asphaltic Surface	SY	6,926.000	6,926.000
0040	204.0115	Removing Asphaltic Surface Butt Joints	SY	29.000	29.000
0050	204.0120	Removing Asphaltic Surface Milling	SY	94,588.000	94,588.000
0060	204.0150	Removing Curb & Gutter	LF	5,195.000	5,195.000
0070	204.0155	Removing Concrete Sidewalk	SY	10.000	10.000
0080	204.0165	Removing Guardrail	LF	723.000	723.000
0090	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	8.000	8.000
0100	205.0100	Excavation Common	CY	6,084.000	6,084.000
0110	208.1100	Select Borrow	CY	724.000	724.000
0120	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	558.000	558.000
0130	213.0100	Finishing Roadway (project) 01. 9210-13-71	EACH	1.000	1.000
0140	305.0110	Base Aggregate Dense 3/4-Inch	TON	10,449.000	10,449.000
0150	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	5,145.000	5,145.000
0160	305.0500	Shaping Shoulders	STA	478.000	478.000
0170	311.0110	Breaker Run	TON	258.000	258.000
0180	325.0100	Pulverize and Relay	SY	99,778.000	99,778.000
0190	374.1020.S	QMP Pulverize and Relay Compaction	SY	99,778.000	99,778.000
0200	405.0100	Coloring Concrete Red	CY	19.000	19.000
0210	416.0512	Concrete Roundabout Truck Apron 12-Inch	SY	56.000	56.000
0220	416.1710	Concrete Pavement Repair	SY	59.000	59.000
0230	416.1720	Concrete Pavement Replacement	SY	694.000	694.000
0240	440.4410	Incentive IRI Ride	DOL	19,542.000	19,542.000
0250	455.0605	Tack Coat	GAL	12,803.000	12,803.000
0260	460.2000	Incentive Density HMA Pavement	DOL	21,070.000	21,070.000
0270	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	51,590.000	51,590.000
0280	460.6223	HMA Pavement 3 MT 58-28 S	TON	20,826.000	20,826.000
0290	460.6224	HMA Pavement 4 MT 58-28 S	TON	12,093.000	12,093.000
0300	465.0105	Asphaltic Surface	TON	309.000	309.000
0310	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	481.000	481.000
0320	465.0315	Asphaltic Flumes	SY	294.000	294.000
0330	465.0400	Asphaltic Shoulder Rumble Strips	LF	37,713.000	37,713.000
0340	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	20,542.000	20,542.000
0350	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	22.000	22.000
0360	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0370	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	3.000	3.000
0380	521.1042	Apron Endwalls for Culvert Pipe Steel 42-Inch	EACH	1.000	1.000
0390	521.1249	Apron Endwalls for Pipe Arch Steel 49x33-Inch	EACH	2.000	2.000
0400	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	64.000	64.000
0410	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	424.000	424.000
0420	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	64.000	64.000

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LINE					9210-13-71
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0430	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0440	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	10.000	10.000
0450	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0460	523.0419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	232.000	232.000
0470	523.0424	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	56.000	56.000
0480	523.0519	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	8.000	8.000
0490	523.0524	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000
0500	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	28.000	28.000
0510	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	3,615.000	3,615.000
0520	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	1,556.000	1,556.000
0530	602.0405	Concrete Sidewalk 4-Inch	SF	88.000	88.000
0540	604.0500	Slope Paving Crushed Aggregate	SY	382.000	382.000
0550	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0560	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0570	614.0010	Barrier System Grading Shaping Finishing	EACH	4.000	4.000
0580	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	253.000	253.000
0590	614.2330	MGS Guardrail 3 K	LF	223.000	223.000
0600	614.2340	MGS Guardrail 3 L	LF	225.000	225.000
0610	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0620	619.1000	Mobilization	EACH	1.000	1.000
0630	620.0300	Concrete Median Sloped Nose	SF	290.000	290.000
0640	624.0100	Water	MGAL	412.000	412.000
0650	625.0100	Topsoil	SY	11,327.000	11,327.000
0660	628.1504	Silt Fence	LF	4,763.000	4,763.000
0670	628.1520	Silt Fence Maintenance	LF	4,763.000	4,763.000
0680	628.1905	Mobilizations Erosion Control	EACH	9.000	9.000
0690	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0700	628.2004	Erosion Mat Class I Type B	SY	7,562.000	7,562.000
0710	628.2006	Erosion Mat Urban Class I Type A	SY	3,765.000	3,765.000
0720	628.7005	Inlet Protection Type A	EACH	1.000	1.000
0730	628.7504	Temporary Ditch Checks	LF	875.000	875.000
0740	628.7555	Culvert Pipe Checks	EACH	161.000	161.000
0750	629.0210	Fertilizer Type B	CWT	7.100	7.100
0760	630.0130	Seeding Mixture No. 30	LB	136.000	136.000
0770	630.0140	Seeding Mixture No. 40	LB	68.000	68.000
0780	633.5200	Markers Culvert End	EACH	43.000	43.000
0790	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	77.000	77.000
0800	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	29.000	29.000
0810	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	7.000	7.000
0820	637.2210	Signs Type II Reflective H	SF	773.990	773.990
0830	637.2230	Signs Type II Reflective F	SF	174.250	174.250
0840	638.2602	Removing Signs Type II	EACH	97.000	97.000
0850	638.3000	Removing Small Sign Supports	EACH	105.000	105.000

DATE 01MAR16		E S T I M A T E O F Q U A N T I T I E S			
LINE				9210-13-71	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0860	642.5001	Field Office Type B	EACH	1.000	1.000
0870	643.0100	Traffic Control (project) 01. 9210-13-71	EACH	1.000	1.000
0880	643.0300	Traffic Control Drums	DAY	645.000	645.000
0890	643.0420	Traffic Control Barricades Type III	DAY	2,645.000	2,645.000
0900	643.0705	Traffic Control Warning Lights Type A	DAY	5,262.000	5,262.000
0910	643.0900	Traffic Control Signs	DAY	4,039.000	4,039.000
0920	643.0910	Traffic Control Covering Signs Type I	EACH	14.000	14.000
0930	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000
0940	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0950	643.2000	Traffic Control Detour (project) 01. 9210-13-71	EACH	1.000	1.000
0960	643.3000	Traffic Control Detour Signs	DAY	20,833.000	20,833.000
0970	646.0106	Pavement Marking Epoxy 4-Inch	LF	58,089.000	58,089.000
0980	646.0126	Pavement Marking Epoxy 8-Inch	LF	983.000	983.000
0990	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	47,077.000	47,077.000
1000	646.2308.S	Pavement Marking Grooved Wet Reflective Epoxy 8-Inch	LF	1,300.000	1,300.000
1010	647.0256	Pavement Marking Symbols Epoxy	EACH	4.000	4.000
1020	647.0456	Pavement Marking Curb Epoxy	LF	66.000	66.000
1030	647.0606	Pavement Marking Island Nose Epoxy	EACH	4.000	4.000
1040	647.0656	Pavement Marking Parking Stall Epoxy	LF	1,420.000	1,420.000
1050	647.0716	Pavement Marking Diagonal Epoxy 8-Inch	LF	160.000	160.000
1060	648.0100	Locating No-Passing Zones	MI	5.310	5.310
1070	649.0400	Temporary Pavement Marking Removable Tape 4-Inch	LF	577.000	577.000
1080	650.4500	Construction Staking Subgrade	LF	1,779.000	1,779.000
1090	650.5000	Construction Staking Base	LF	1,779.000	1,779.000
1100	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	5,626.000	5,626.000
1110	650.6000	Construction Staking Pipe Culverts	EACH	11.000	11.000
1120	650.8000	Construction Staking Resurfacing Reference	LF	25,795.000	25,795.000
1130	650.9910	Construction Staking Supplemental Control (project) 01. 9210-13-71	LS	1.000	1.000
1140	650.9920	Construction Staking Slope Stakes	LF	8,273.000	8,273.000
1150	690.0150	Sawing Asphalt	LF	1,668.000	1,668.000
1160	690.0250	Sawing Concrete	LF	741.000	741.000
1170	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	2,000.000	2,000.000
1180	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	1,320.000	1,320.000
1190	SPV.0060	Special 01. Adjusting Sanitary Manhole Covers	EACH	3.000	3.000
1200	SPV.0090	Special 01. Concrete Curb & Gutter 6-Inch Sloped 36-Inch HES Type D	LF	332.000	332.000
1210	SPV.0090	Special 02. Concrete Curb & Gutter 4-Inch Sloped 36-Inch HES Type R	LF	95.000	95.000

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	PIPE SIZE	TYPE
STAGE 1				
65+37	STH 54	1	30-INCH	CMP
65+44	STH 54	1	30-INCH	CMP
117+20	STH 54	1	24-INCH	CMP
150+95	STH 54	1	30-INCH	CMP
175+30	STH 54	1	30-INCH	CMP
Stage 1 Total		5		
STAGE 3				
194+91	STH 54	1	36-INCH	CMP
221+00	STH 54	1	30-INCH	CMP
238+50	STH 54	1	24-INCH	CMP
270+99	STH 54	1	36-INCH	CMP
302+85	STH 54	1	30-INCH	CMP
530+90	CTH P	1	24-INCH	CMP
Stage 3 Total		6		
TOTAL		11		

REMOVING PAVEMENT

STATION	TO	STATION	LOCATION	204.0100 SY	REMARKS
STAGE 1					
	111+05	LT	STH 54	17	DRIVEWAY
	177+35	LT	STH 54	20	DRIVEWAY
	178+22	LT	STH 54	16	DRIVEWAY
Stage 1 Total				53	
STAGE 3					
	187+56	LT	STH 54	51	DRIVEWAY
Stage 3 Total				51	
TOTAL				104	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

STATION	LOCATION	204.0115 SY
STAGE 1		
59+80	STH 54	7
Stage 1 Total		7
STAGE 3		
317+75	STH 54	7
Stage 3 Total		7
PARK AND RIDE		15
TOTAL		29

REMOVING ASPHALTIC SURFACE

					204.0110	REMARKS
STATION	TO	STATION	LOCATION		SY	
STAGE 1						
0+00	-	25+60	EB, RT	STH 54/STH 57 SE OFF-RAMP	1422	
17+24	-	25+60	EB, LT	STH 54/STH 57 SE OFF-RAMP	279	
0+00	-	20+63	WB, LT	STH 54/STH 57 SE OFF-RAMP	688	
17+24	-	20+63	WB, RT	STH 54/STH 57 SE OFF-RAMP	188	
43+80	-	46+30	RT	STH 54	167	
44+36	-	51+74	LT	STH 54	451	
56+12	-	59+80	LT	STH 54	286	
54+57	-	59+80	RT	STH 54	291	
	60+93		LT	STH 54	74	
	82+35		RT	STH 54	109	
	111+05		RT	STH 54	44	
	112+39		RT	STH 54	64	
	113+26		RT	STH 54	77	
	114+05		RT	STH 54	90	
	115+28		RT	STH 54	66	
133+01	-	133+11	LT	STH 54	42	
133+75	-	136+32	LT	STH 54	225	
	144+19		RT	STH 54	76	
	146+94		RT	STH 54	51	
	147+77		LT	STH 54	55	
	147+86		RT	STH 54	63	
	148+32		LT	STH 54	83	
	149+08		RT	STH 54	58	
	151+11		RT	STH 54	125	
	151+92		RT	STH 54	129	
	152+43		LT	STH 54	75	
	154+17		RT	STH 54	61	
	172+72		RT	STH 54	13	
	173+85		LT	STH 54	19	
174+64	-	174+75	RT	STH 54	23	
	183+62		RT	STH 54	59	
Stage 1 Total					5453	

					204.0110	REMARKS
STATION	TO	STATION	LOCATION		SY	
STAGE 2						
	448+61		RT	CTH T	45	
Stage 2 Total					45	
STAGE 3						
	184+44		RT	STH 54	22	
	185+74		RT	STH 54	127	
	185+87		LT	STH 54	38	
	188+03		RT	STH 54	155	
	189+23		LT	STH 54	59	
	190+49		LT	STH 54	66	
	197+06		RT	STH 54	119	
	200+01		RT	STH 54	107	
	202+02		LT	STH 54	208	
	227+49		LT	STH 54	141	
	241+15		RT	STH 54	117	
468+58	-	468+81	RT	GAUTHIER RD	60	
490+70	-	491+43	RT	WAREHOUSE DR	209	
Stage 3 Total					1428	
TOTAL					6926	

REMOVING ASPHALTIC SURFACE MILLING

					204.0120
STATION	TO	STATION	LOCATION		SY
STAGE 1					
59+80	-	80+95	STH 54		7050
80+95	-	83+37	STH 54		995
83+37	-	94+00	STH 54		3543
94+00	-	133+59	STH 54		13197
133+59	-	137+64	STH 54		1665
137+64	-	161+00	STH 54		7787
161+00	-	169+88	STH 54		2960
169+88	-	174+99	RT STH 54		1249
174+99	-	181+89	RT STH 54		1150
169+88	-	170+27	LT STH 54		65
170+27	-	174+85	LT STH 54		1120
174+85	-	176+75	LT STH 54		464
176+75	-	182+12	LT STH 54		1313
389+08	-	389+76	S HEMLOCK RD		234
390+24	-	392+00	S HEMLOCK RD		391
410+21	-	411+54	CRAANEN RD		325
428+74	-	429+78	ST KILLIAN RD		254
	64+51		RT FIELD ENTRANCE		40
	64+63		LT FIELD ENTRANCE		17
	71+50		RT FIELD ENTRANCE		34
	72+37		LT FIELD ENTRANCE		32
	80+43		RT FIELD ENTRANCE		40
	81+67		RT DRIVEWAY		47
	83+57		RT FIELD ENTRANCE		25
	93+80		RT DRIVEWAY		42
	93+82		LT FIELD ENTRANCE		24
	104+52		RT DRIVEWAY		30
	106+34		LT DRIVEWAY		22
	113+10		LT DRIVEWAY		33
	114+20		LT DRIVEWAY		27
	120+64		LT DRIVEWAY		23
	124+57		RT DRIVEWAY		33
	132+08		RT DRIVEWAY		96
	144+80		RT DRIVEWAY		24
	155+77		LT FIELD ENTRANCE		31
	162+22		LT FIELD ENTRANCE		39
	168+86		LT DRIVEWAY		118
Stage 1 Total					44539

					204.0120
STATION	TO	STATION	LOCATION		SY
STAGE 2					
181+89	-	183+48	RT STH 54		265
182+12	-	183+43	LT STH 54		320
448+39	-	449+77	CTH T		675
450+20	-	451+50	CTH T		318
Stage 2 Total					1578
STAGE 3					
183+43	-	190+80	LT STH 54		1802
183+48	-	185+52	RT STH 54		499
185+52	-	190+80	RT STH 54		880
190+80	-	314+73	STH 54		41310
314+73	-	317+02	STH 54		942
317+02	-	317+73	STH 54		237
468+56	-	469+82	GAUTHIER RD		308
490+22	-	491+52	WAREHOUSE DR		318
507+92	-	509+78	MERCIER RD		455
510+21	-	511+63	MERCIER RD		347
528+74	-	529+76	CTH P		315
530+26	-	531+53	CTH P		318
	197+41		LT DRIVEWAY		47
	198+34		RT FIELD ENTRANCE		29
	204+27		LT FIELD ENTRANCE		38
	240+80		LT DRIVEWAY		47
	254+41		LT FIELD ENTRANCE		35
	263+13		LT FIELD ENTRANCE		26
	267+47		RT FIELD ENTRANCE		36
	271+32		RT FIELD ENTRANCE		34
	271+81		LT FIELD ENTRANCE		39
	277+04		RT FIELD ENTRANCE		31
	278+27		RT FIELD ENTRANCE		46
	281+15		LT FIELD ENTRANCE		32
	286+94		RT DRIVEWAY		50
	287+71		LT FIELD ENTRANCE		38
	291+81		RT FIELD ENTRANCE		39
	296+61		RT FIELD ENTRANCE		17
	304+39		LT FIELD ENTRANCE		28
	306+82		RT FIELD ENTRANCE		37
	310+79		RT DRIVEWAY		29
	310+84		LT FIELD ENTRANCE		31
	315+92		LT DRIVEWAY		31
Stage 3 Total					48471
TOTAL					94588

REMOVING CURB & GUTTER

						204.0150	
STATION TO	STATION		LOCATION	LF	REMARKS		
STAGE 1							
43+82	-	44+36	LT	STH 54	78	NE ON-RAMP	
44+45	-	44+51	RT	STH 54	6		
53+60				STH 54	59	MEDIAN NOSE	
53+82	-	53+93	RT	STH 54	11		
53+82	-	53+93	LT	STH 54	11		
				S HEMLOCK RD	51	NW QUAD	
				S HEMLOCK RD	59	NE QUAD	
				S HEMLOCK RD	90	SW QUAD	
				S HEMLOCK RD	59	SE QUAD	
389+08	-	389+16	RT	S HEMLOCK RD	8		
389+08	-	389+39	LT	S HEMLOCK RD	31		
80+94	-	83+36	LT	STH 54	242		
				CRAANEN RD	53	NW QUAD	
				CRAANEN RD	89	NE QUAD	
133+59	-	137+64	LT	STH 54	405		
				ST KILLIAN RD	77	SW QUAD	
				ST KILLIAN RD	57	SE QUAD	
169+88	-	174+98	RT	STH 54	510		
170+27	-	174+85	LT	STH 54	458		
176+75	-	182+12	LT	STH 54	537		
Stage 1 Total					2891		
STAGE 2							
				CTH T	83	NW QUAD	
				CTH T	66	NE QUAD	
				CTH T	75	SW QUAD	
				CTH T	83	SE QUAD	
448+39	-	449+24	LT	CTH T	85		
448+39	-	449+30	RT	CTH T	91		
Stage 2 Total					483		
STAGE 3							
183+43	-	190+79	LT	STH 54	736		
183+48	-	185+52	RT	STH 54	204		
				GAUTHIER RD	80	SW QUAD	
				GAUTHIER RD	44	SE QUAD	
				MERCIER RD	57	NW QUAD	
				MERCIER RD	88	NE QUAD	
				MERCIER RD	84	SW QUAD	
				MERCIER RD	50	SE QUAD	
				CTH P	67	NW QUAD	
				CTH P	55	NE QUAD	
				CTH P	59	SW QUAD	
				CTH P	67	SE QUAD	
314+73	-	317+02	RT	STH 54	230		
Stage 3 Total					1821		
TOTAL					5195		

REMOVING CONCRETE SIDEWALK

						204.0155	
STATION TO	STATION	LOCATION	SY	REMARKS			
STAGE 1							
53+82	-	53+93	STH 54	10	MEDIAN		
Stage 1 Total						10	
TOTAL						10	

REMOVING GUARDRAIL

						204.0165	
STATION TO	STATION	LOCATION	LF				
STAGE 1							
126+21	-	129+84	RT	STH 54	363		
127+11	-	130+71	LT	STH 54	360		
Stage 1 Total					723		
TOTAL					723		

REMOVING APRON ENDWALLS

						204.9060.S	
STATION	LOCATION	EA					
STAGE 1							
108+20	STH 54	2					
429+53	ST KILLIAN RD	2					
Stage 1 Total						4	
STAGE 3							
199+80	LT	STH 54	1				
224+60		STH 54	2				
230+00	RT	STH 54	1				
Stage 3 Total						4	
TOTAL						8	

EARTHWORK SUMMARY

Division	From / To Station	Common Excavation (CY) (1) Item # 205.0100		Salvaged / Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13)	Mass Ordinate + / - (14)	Waste
		Cut (2)	EBS Excavation (3)				Factor 1.33		
STAGE 1									
NE On-Ramp, LT	43+51, 42' LT - 43+52, 142' LT	49	0	0	49	0	0	49	49
NE On-Ramp, RT	44+36, 44' LT - 43+84, 105' LT	22	0	0	22	0	0	22	22
STH 54	65+36 - 181+50	2,913	0	0	2,913	502	668	2,245	2,245
S Hemlock Road	389+08 - 392+00	476	0	0	476	43	57	419	419
Craanen Road	410+84 - 411+54	59	0	0	59	1	1	58	58
St Killian Road	428+74 - 429+17	41	0	0	41	0	0	41	41
Stage 1 Subtotal		3,560	0	0	3,560	546	726	2,834	2,834
STAGE 2									
STH 54	182+00 - 183+50	202	0	0	202	23	31	171	171
CTH T	448+39 - 451+50	849	0	0	849	0	0	849	849
Stage 2 Subtotal		1,051	0	0	1,051	23	31	1,020	1,020
STAGE 3									
STH 54	184+00 - 316+99	956	0	0	956	473	629	327	327
Gauthier Road	468+56 - 469+22	81	0	0	81	4	5	76	76
Warehouse Drive	490+83 - 491+52	146	0	0	146	14	19	127	127
Mercier Road	509+00	0	0	0	0	0	0	0	0
Stage 3 Subtotal		1,183	0	0	1,183	491	653	530	530
UNDISTRIBUTED			290						
Grand Total		5,794	290	0	5,794	1,060	1,410	4,384	4,384
Total Common Excavation		6,084							

- 1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
- 2) Salvaged/Unsuable Pavement Material is included in Cut.
- 3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
- 4) Salvaged/Unusable Pavement Material
- 5) Available Material = Cut - Salvaged/Unusuable Pavement Material
- 13) Expanded Fill. Factor = 1.33
- Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
- 14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division.
- Minus indicated a shortage of material within the Division.

SELECT BORROW

		208.1100		
STATION	LOCATION	CY	REMARKS	
STAGE 1				
94+65	STH 54	724	FROST HEAVE	
Stage 1 Total				
TOTAL		724		

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

		211.0400		
STATION TO	STATION	LOCATION	STA	REMARKS
STAGE 1				
0+00	-	25+60	EB, RT STH 54/STH 57 SE	OFF-RAMP
17+24	-	25+60	WB, LT STH 54/STH 57 SE	OFF-RAMP
0+00	-	20+63	WB, LT STH 54/STH 57 SE	OFF-RAMP
17+24	-	20+63	WB, RT STH 54/STH 57 SE	OFF-RAMP
43+51	-	43+52	LT	STH 54
43+80	-	46+30	RT	STH 54
44+36	-	51+74	LT	STH 54
56+12	-	59+80	LT	STH 54
54+57	-	59+80	RT	STH 54
59+80	-	80+95		STH 54
80+95	-	83+46	RT	STH 54
83+46	-	132+90		STH 54
132+90	-	137+64	RT	STH 54
137+64	-	169+88		STH 54
169+88	-	170+27	LT	STH 54
174+99	-	181+89	RT	STH 54
Stage 1 Total			299	
STAGE 2				
181+89	-	183+48	RT	STH 54
Stage 2 Total			2	
STAGE 3				
185+52	-	190+80	RT	STH 54
190+80	-	314+73		STH 54
314+73	-	317+02	RT	STH 54
317+02	-	317+75		STH 54
Stage 3 Total			257	
TOTAL			558	

FINISHING ROADWAY

		213.0100	
STATION TO	STATION	LOCATION	EACH
PROJECT 9210-13-71		STH 54	1
TOTAL			1

SHAPING SHOULDERS

		305.0500	
STATION TO	STATION	LOCATION	STA
STAGE 1			
59+80	-	168+56	RT
59+80	-	80+94	LT
83+46	-	132+90	LT
137+64	-	170+27	LT
174+85	-	176+75	LT
174+98	-	181+89	RT
Stage 1 Total			221
STAGE 3			
185+52	-	314+73	RT
190+79	-	317+75	LT
317+02	-	317+75	RT
Stage 3 Total			257
TOTAL			478

OMP PULVERIZE AND RELAY COMPACTION

		374.1020.S	
STATION TO	STATION	LOCATION	SY
STAGE 1			
59+80	-	181+89	STH 54
Stage 1 Total			47773
STAGE 2			
181+89	-	183+48	STH 54
Stage 2 Total			620
STAGE 3			
183+48	-	317+75	STH 54
Stage 3 Total			51385
TOTAL			99778

BASE AGGREGATE DENSE AND BREAKER RUN

						305.0110	305.0120	311.0110		
						BASE AGGREGATE	DENSE	BREAKER		
						3/4-INCH	1 1/4-INCH	RUN		
STATION TO STATION						TON	TON	TON	REMARKS	
STAGE 1										
	0+00	-	20+63	LT	STH 54/STH 57 SE OFF-RAMP	74	-	-		
	0+00	-	25+60	RT	STH 54/STH 57 SE OFF-RAMP	208	-	-		
	17+24	-	20+63	RT	STH 54/STH 57 SE OFF-RAMP	28	-	-		
	17+24	-	25+60	LT	STH 54/STH 57 SE OFF-RAMP	30	-	-		
	43+51	-	43+52	LT	STH 54	110	42	-	NE ON-RAMP	
	43+84	-	44+36	LT	STH 54	-	19	-	NE ON-RAMP	
	43+80	-	46+30	RT	STH 54	20	-	-		
	44+36	-	51+74	LT	STH 54	60	-	-		
	54+57	-	59+80	RT	STH 54	43	-	-		
	56+12	-	59+80	LT	STH 54	30	-	-		
	59+80	-	80+95		STH 54	823	-	-		
	80+95	-	83+46		STH 54	53	-	-		
	83+46	-	94+00		STH 54	410	-	-		
	94+00	-	132+90		STH 54	1514	-	-		
		94+65			STH 54	-	632	-	FROST HEAVE	
	132+90	-	137+64		STH 54	100	-	-		
	137+64		161+00		STH 54	909	-	-		
	161+00	-	169+88		STH 54	346	-	-		
	169+88	-	170+27		STH 54	8	-	-		
	174+85	-	176+75		STH 54	27	-	-		
	174+99	-	181+89		STH 54	146	-	-		
	389+08	-	389+76		S HEMLOCK ROAD	-	141	-		
	390+24	-	392+00		S HEMLOCK ROAD	30	373	-		
					S HEMLOCK ROAD SW QUAD	-	1	-		
					S HEMLOCK ROAD NW QUAD	-	38	-		
					S HEMLOCK ROAD NE QUAD	-	194	-		
					S HEMLOCK ROAD SE QUAD	-	17	-		
	410+21	-	411+54		CRAANEN ROAD	23	306	-		
					CRAANEN ROAD NW QUAD	-	16	-		
					CRAANEN ROAD NE QUAD	-	1	-		
	428+74	-	429+78		ST KILLIAN ROAD	18	234	-		
					ST KILLIAN ROAD SW QUAD	-	1	-		
Stage 1 Total						5010	2015	-		

						305.0110	305.0120	311.0110	REMARKS
						BASE AGGREGATE	DENSE	BREAKER	
						3/4-INCH	1 1/4-INCH	RUN	
	STATION	TO	STATION	LOCATION		TON	TON	TON	
STAGE 2									
	448+39	-	449+77	CTH T		-	368	-	
	450+20	-	451+50	CTH T		43	347	-	
				CTH T SW QUAD		-	105	-	
Stage 2 Total						43	820		
STAGE 3									
	185+52	-	190+80	STH 54		111	-	-	
	190+80	-	314+73	STH 54		4823	-	-	
	314+73	-	317+02	STH 54		48	-	-	
	317+02	-	317+75	STH 54		28	-	-	
	468+56	-	469+82	GAUTHIER ROAD		41	350	-	
				GAUTHIER ROAD SW QUAD		-	1	-	
				GAUTHIER ROAD SE QUAD		-	23	-	
	490+22	-	491+52	WAREHOUSE DRIVE		23	329	-	
				WAREHOUSE DRIVE NW QUAD		-	21	-	
				WAREHOUSE DRIVE NE QUAD		-	3		
	507+92	-	509+78	MERCIER ROAD		32	420	-	
	510+21	-	511+62	MERCIER ROAD		24	316	-	
				MERCIER ROAD SW QUAD		-	1	-	
				MERCIER ROAD NW QUAD		-	29	-	
				MERCIER ROAD NE QUAD		-	4	-	
				MERCIER ROAD SE QUAD		-	15	-	
	528+47	-	529+76	CTH P		42	348	-	
	530+26	-	531+53	CTH P		43	347	-	
				CTH P SW QUAD		-	43	-	
				CTH P NW QUAD		-	8	-	
				CTH P NE QUAD		-	37	-	
				CTH P SE QUAD		-	15	-	
Stage 3 Total						5215	2310	-	
				PARK AND RIDE		15	-	-	
UNDISTRIBUTED						166	-	258	
TOTALS						10449	5145	258	

PULVERIZE AND RELAY

					325.0100
STATION TO STATION LOCATION					SY
STAGE 1					
59+80	-	80+95		STH 54	7990
80+95	-	83+46		STH 54	1088
83+46	-	94+00		STH 54	3982
94+00	-	132+90		STH 54	14956
132+90	-	137+64		STH 54	2054
137+64	-	161+00		STH 54	8825
161+00	-	169+88		STH 54	3355
169+88	-	174+99	RT	STH 54	1249
169+88	-	170+27	LT	STH 54	74
170+27	-	174+85	LT	STH 54	1120
174+85	-	176+75	LT	STH 54	464
174+99	-	181+89	RT	STH 54	1303
176+75	-	182+12	LT	STH 56	1313
Stage 1 Total					47773
STAGE 2					
181+89		183+48	RT	STH 55	300
182+12		183+43	LT	STH 54	320
Stage 2 Total					620
STAGE 3					
183+43		190+80	LT	STH 54	1802
183+48	-	185+52	RT	STH 54	499
185+52	-	190+80	RT	STH 54	997
190+80	-	314+73		STH 54	46818
314+73	-	317+02		STH 54	993
317+02	-	317+75		STH 54	276
Stage 3 Total					51385
TOTAL					99778

CONCRETE TRUCK APRON

					405.0100	416.0512
					COLORING	CONCRETE
					CONCRETE	ROUNDAABOUT
						TRUCK APRON
					RED	12-INCH
STATION TO STATION LOCATION					CY	SY
Stage 1						
43+84	-	44+36	LT	STH 54/STH 57 NE ON-RAMP	19	56
Stage 1 Total						
TOTALS					19	56

CONCRETE PAVEMENT REPLACEMENT AND REPAIR

					416.1710	416.1720
					CONCRETE	CONCRETE
					PAVEMENT	PAVEMENT
					REPAIR	REPLACEMENT
STATION TO STATION LOCATION					SY	SY
STAGE 1						
14+40	-	14+59		STH 54/STH 57 SE OFF-RAMP	-	32
16+33	-	16+82		STH 54/STH 57 SE OFF-RAMP	-	82
16+92	-	17+26		STH 54/STH 57 SE OFF-RAMP	-	57
17+51	-	17+70		STH 54/STH 57 SE OFF-RAMP	-	25
18+10	-	18+59		STH 54/STH 57 SE OFF-RAMP	-	82
18+70	-	18+89		STH 54/STH 57 SE OFF-RAMP	-	32
19+15	-	19+35		STH 54/STH 57 SE OFF-RAMP	-	33
19+91	-	20+10		STH 54/STH 57 SE OFF-RAMP	-	32
20+46	-	20+73		STH 54/STH 57 SE OFF-RAMP	-	45
21+56	-	22+37		STH 54/STH 57 SE OFF-RAMP	-	135
17+67	-	17+73	WB	STH 54/STH 57 SE OFF-RAMP	7	-
18+98	-	19+04	WB	STH 54/STH 57 SE OFF-RAMP	10	-
18+99	-	19+11	EB	STH 54/STH 57 SE OFF-RAMP	20	-
19+70	-	19+76	EB	STH 54/STH 57 SE OFF-RAMP	10	-
Stage 1 Total					47	555
UNDISTRIBUTED					12	139
TOTALS					59	694

ASPHALTIC SURFACE DRIVEWAYS

		465.0120		455.0605	
		TACK COAT		**	
		STATION	LOCATION	TON	GAL
STAGE 1					
	60+93	LT	STH 54	12	4
	82+35	RT	STH 54	17	5
	111+05	RT	STH 54	15	4
	112+39	RT	STH 54	15	4
	113+26	RT	STH 54	17	5
	114+05	RT	STH 54	20	6
	115+28	RT	STH 54	15	4
	133+01	LT	STH 54	7	2
	133+75	LT	STH 54	5	1
	136+03	LT	STH 54	5	1
	144+19	RT	STH 54	12	3
	146+94	RT	STH 54	8	2
	147+77	LT	STH 54	9	2
	147+86	RT	STH 54	10	3
	148+32	LT	STH 54	13	4
	151+11	RT	STH 54	20	6
	151+92	RT	STH 54	21	6
	152+43	LT	STH 54	12	3
	154+17	RT	STH 54	10	3
	172+72	RT	STH 54	2	1
	173+85	LT	STH 54	3	1
	174+64	RT	STH 54	3	1
	177+35	LT	STH 54	3	1
	178+22	LT	STH 54	4	1
Stage 1 Total				258	73
STAGE 2					
	183+62	RT	STH 54	10	3
Stage 2 Total				10	3
STAGE 3					
	184+44	RT	STH 54	4	1
	185+74	RT	STH 54	26	7
	185+87	LT	STH 54	9	2
	187+56	LT	STH 54	7	3
	188+03	RT	STH 54	28	8
	189+23	LT	STH 54	10	3
	190+49	LT	STH 54	12	3
	197+06	RT	STH 54	19	5
	200+01	RT	STH 54	17	5
	202+02	LT	STH 54	21	6
	227+49	LT	STH 54	22	6
	241+15	RT	STH 54	20	6
	448+61	RT	CTH T	8	2
	468+64	RT	CTH T	10	3
Stage 3 Total				213	60
TOTALS				481	136

** ADDITIONAL QUANTITIES IN THE HMA SUMMARY

ASPHALTIC FLUMES

				465.0315
STATION		LOCATION		SY
STAGE 1				
80+87	LT	STH 54		6
83+46	LT	STH 54		9
137+64	LT	STH 54		14
168+50	RT	STH 54		9
170+20	LT	STH 54		6
174+85	LT	STH 54		9
174+98	RT	STH 54		8
176+68	LT	STH 54		7
390+64	LT	S HEMLOCK RD		12
390+84	RT	S HEMLOCK RD		9
410+61	LT	CRAANEN RD		16
410+84	RT	CRAANEN RD		7
429+46	RT	ST KILLIAN RD		8
Stage 1 Total				120
STAGE 2				
449+53	LT	CTH T		5
450+62	LT	CTH T		9
Stage 2 Total				14
STAGE 3				
185+52	RT	STH 54		6
190+79	LT	STH 54		7
317+02	RT	STH 54		12
469+16	LT	GAUTHIER RD		15
469+32	RT	GAUTHIER RD		11
490+62	LT	WAREHOUSE DR		7
490+82	RT	WAREHOUSE DR		7
509+11	LT	MERCIER RD		8
509+31	RT	MERCIER RD		9
510+62	LT	MERCIER RD		12
510+81	RT	MERCIER RD		9
529+09	LT	CTH P		14
529+32	RT	CTH P		13
530+61	LT	CTH P		15
530+82	RT	CTH P		15
Stage 3 Total				160
TOTAL				294

INCENTIVE IRI RIDE

				440.4410
STATION TO	STATION	LOCATION		DOL
STAGE 1				
59+80	-	181+89	STH 54	9249
Stage 1 Total				9249
STAGE 2				
181+89	-	183+48	STH 54	121
Stage 2 Total				121
STAGE 3				
183+48	-	317+75	STH 54	10172
Stage 3 Total				10172
TOTAL				19542

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

				460.4110.S
STATION TO	STATION	LOCATION		LF
STAGE 1				
59+80	-	181+89	STH 54	24418
Stage 1 Total				
STAGE 2				
181+89	-	183+48	STH 54	318
Stage 2 Total				
STAGE 3				
183+48	-	317+75	STH 54	26854
Stage 3 Total				
TOTAL				51590

INCENTIVE DENSITY HMA PAVEMENT

				460.2000
STATION TO	STATION	LOCATION		DOL
STAGE 1				
0+00	-	317+75	STH 54	10201
Stage 1 Total				10201
STAGE 2				
181+89	-	183+48	STH 54	221
Stage 2 Total				221
STAGE 3				
183+48	-	317+75	STH 54	10648
Stage 3 Total				10648
TOTAL				21070

ASPHALTIC SHOULDER RUMBLE STRIPS

					465.0425
					2-LANE
					RURAL
					LF
STAGE 1					
59+80	-	72+29	RT	STH 54	1249
78+69	-	81+55	RT	STH 54	286
82+77	-	93+67	RT	STH 54	1090
94+34	-	104+38	RT	STH 54	1004
105+01	-	110+80	RT	STH 54	579
115+74	-	124+45	RT	STH 54	871
125+06	-	132+76	RT	STH 54	770
133+40	-	143+94	RT	STH 54	1054
154+55	-	165+75	RT	STH 54	1120
59+80	-	60+68	LT	STH 54	88
61+31	-	74+59	LT	STH 54	1328
80+17	-	82+82	LT	STH 54	265
83+53	-	101+29	LT	STH 54	1776
105+44	-	112+99	LT	STH 54	755
114+66	-	120+46	LT	STH 54	580
121+07	-	130+63	LT	STH 54	956
131+29	-	132+76	LT	STH 54	147
134+30	-	135+78	LT	STH 54	148
136+57	-	147+52	LT	STH 54	1095
148+89	-	152+18	LT	STH 54	329
152+80	-	165+75	LT	STH 54	1295
Stage 1 Total					16785
STAGE 3					
191+50	-	196+81	RT	STH 54	531
197+56	-	199+76	RT	STH 54	220
200+43	-	206+88	RT	STH 54	645
211+19	-	240+90	RT	STH 54	2971
241+55	-	245+66	RT	STH 54	411
250+06	-	278+24	RT	STH 54	2818
278+91	-	286+91	RT	STH 54	800
287+68	-	295+52	RT	STH 54	784
302+91	-	310+64	RT	STH 54	773
311+31	-	314+09	RT	STH 54	278
317+02	-	317+75	RT	STH 54	73
191+50	-	197+22	LT	STH 54	572
197+98	-	201+77	LT	STH 54	379
202+69	-	221+00	LT	STH 54	1831
225+41	-	227+24	LT	STH 54	183
227+85	-	240+43	LT	STH 54	1258
241+30	-	245+96	LT	STH 54	466
250+35	-	298+82	LT	STH 54	4847
306+24	-	315+80	LT	STH 54	956
316+43	-	317+75	LT	STH 54	132
Stage 3 Total					20928
TOTAL					37713

ASPHALTIC CENTERLINE RUMBLE STRIPS

					465.0475
					2-LANE
					RURAL
					LF
STAGE 1					
59+80	-	74+64	STH 54	1484	
78+64	-	101+07	STH 54	2243	
105+07	-	150+36	STH 54	4529	
153+14	-	165+75	STH 54	1261	
Stage 1 Total					9517
STAGE 3					
191+50	-	207+15	STH 54	1565	
211+15	-	221+05	STH 54	990	
225+05	-	246+01	STH 54	2096	
250+01	-	298+88	STH 54	4887	
302+88	-	317+75	STH 54	1487	
Stage 3 Total					11025
TOTAL					20542

CULVERT PIPE SUMMARY

		521.0118	521.1018	521.1024	521.1042	521.1249	522.0124	522.0130	522.0136	522.1024	522.1030	522.1036	523.0419	523.0424	523.0519	523.0524	633.52		
		CULVERT PIPE CORRUGATED STEEL	APRON	ENDWALLS FOR PIPE STEEL	CULVERT	APRON ENDWALLS FOR PIPE ARCH STEEL	CULVERT PIPE REINFORCED CONCRETE CLASS III	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	CULVERT PIPE REINFORCED CONCRETE CLASS III	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	CULVERT PIPE REINFORCED CONCRETE CLASS IV	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS IV	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	MARKERS CULVERT ENDS		
		18-INCH	18-INCH	24-INCH	42-INCH	49X33-INCH	24-INCH	30-INCH	36-INCH	24-INCH	30-INCH	36-INCH	19X30-INCH	24X38-INCH	19X30-INCH	24X38-INCH			
STATION	LOCATION	LF	EACH	EACH	EACH	EACH	LF	LF	LF	EACH	EACH	EACH	LF	LF	EACH	EACH	EACH	REMARKS	
STAGE 1																			
65+37	STH 54	-	-	-	-	-	-	64	-	-	-	-	-	-	-	-	2	PIPES SIDE	
65+44	STH 54	-	-	-	-	-	-	64	-	-	4	-	-	-	-	-	-	BY SIDE	
89+48	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
108+20	STH 54	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2		
117+20	STH 54	-	-	-	-	-	-	-	-	-	-	-	56	-	2	-	2		
128+61	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
135+67	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
150+95	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	56	-	2	2		
154+92	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
175+30	STH 54	-	-	-	-	-	-	80	-	-	2	-	-	-	-	-	2		
180+30	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
429+53	LT ST KILLIAN RD	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
429+53	RT ST KILLIAN RD	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Stage 1 Total		22	2	-	-	2	-	208	-	-	6	-	56	56	2	2	21		
STAGE 3																			
194+91	STH 54	-	-	-	-	-	-	-	-	-	-	-	56	-	2	-	2	PIPES SIDE	
195+05	STH 54	-	-	-	-	-	-	-	-	-	-	-	56	-	2	-	-	BY SIDE	
199+80	STH 54	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2		
213+00	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
221+00	STH 54	-	-	-	-	-	-	104	-	-	2	-	-	-	-	-	2		
224+60	STH 54	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2		
230+00	STH 54	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2		
238+50	STH 54	-	-	-	-	-	-	-	-	-	-	-	64	-	2	-	2		
262+95	STH 54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
270+99	STH 54	-	-	-	-	-	-	-	64	-	-	2	-	-	-	-	2		
302+85	STH 54	-	-	-	-	-	-	112	-	-	2	-	-	-	-	-	2		
530+90	CTH P	-	-	-	-	-	64	-	-	2	-	-	-	-	-	-	2		
Stage 3 Total		-	-	3	1	-	64	216	64	2	4	2	176	-	6	-	22		
TOTALS		22	2	3	1	2	64	424	64	2	10	2	232	56	8	2	43		

CONCRETE CURB & GUTTER SUMMARY

					601.0411	601.0415	601.0557	SPV.0090.01	SPV.0090.02		
					30-INCH	30-INCH	36-INCH	36-INCH	36-INCH	4-INCH	SLOPED
					TYPE D	TYPE J	TYPE D	TYPE D	TYPE R		
					LF	LF	LF	LF	LF		
STATION TO STATION					LOCATION						
STAGE 1											
43+79	-	44+36	LT	STH 54	-	-	-	-	-	95	NE ON-RAMP
44+45	-	44+51	RT	STH 54	6	-	-	-	-	-	
53+82	-	53+93	RT	STH 54	11	-	-	-	-	-	
53+82	-	53+93	LT	STH 54	11	-	-	-	-	-	
389+08	-	389+16	RT	S HEMLOCK RD	-	8	-	-	-	-	
389+08	-	389+39	LT	S HEMLOCK RD	-	31	-	-	-	-	
80+95	-	83+46	LT	STH 54	-	251	-	-	-	-	
132+90	-	137+64	LT	STH 54	-	474	-	-	-	-	
169+88	-	174+98	RT	STH 54	-	510	-	-	-	-	
170+27	-	174+85	LT	STH 54	-	458	-	-	-	-	
176+75	-	182+12	LT	STH 54	-	537	-	-	-	-	
				S HEMLOCK RD	-	-	63	-	-	-	NW QUAD
				S HEMLOCK RD	-	-	95	-	-	-	NE QUAD
				S HEMLOCK RD	-	-	94	-	-	-	SW QUAD
				S HEMLOCK RD	-	-	59	-	-	-	SE QUAD
				CRAANEN RD	-	-	62	-	-	-	NW QUAD
				CRAANEN RD	-	-	96	-	-	-	NE QUAD
				ST KILLIAN RD	-	-	94	-	-	-	SW QUAD
				ST KILLIAN RD	-	-	64	-	-	-	SE QUAD
Stage 1 Total					28	2269	627	-	-	95	
STAGE 2											
448+40	-	449+24	LT	CTH T	-	85	-	-	-	-	
448+40	-	449+30	RT	CTH T	-	91	-	-	-	-	
				CTH T	-	-	-	64	-	-	NW QUAD
				CTH T	-	-	-	94	-	-	NE QUAD
				CTH T	-	-	-	87	-	-	SW QUAD
				CTH T	-	-	-	87	-	-	SE QUAD
Stage 2 Total					-	176	-	332	-	-	
STAGE 3											
183+43	-	190+79	LT	STH 54	-	736	-	-	-	-	
183+48	-	185+52	RT	STH 54	-	204	-	-	-	-	
314+73	-	317+02	RT	STH 54	-	230	-	-	-	-	
				GAUTHIER RD	-	-	89	-	-	-	SW QUAD
				GAUTHIER RD	-	-	61	-	-	-	SE QUAD
				WAREHOUSE DRIVE	-	-	63	-	-	-	NW QUAD
				WAREHOUSE DRIVE	-	-	94	-	-	-	NE QUAD
				MERCIER RD	-	-	63	-	-	-	NW QUAD
				MERCIER RD	-	-	94	-	-	-	NE QUAD
				MERCIER RD	-	-	94	-	-	-	SW QUAD
				MERCIER RD	-	-	63	-	-	-	SE QUAD
				CTH P	-	-	61	-	-	-	NW QUAD
				CTH P	-	-	94	-	-	-	NE QUAD
				CTH P	-	-	93	-	-	-	SW QUAD
				CTH P	-	-	60	-	-	-	SE QUAD
Stage 3 Total					-	1170	929	-	-	-	
TOTALS					28	3615	1556	332	-	95	

CONCRETE SIDEWALK

				602.0415	
				CONCRETE	
				SIDEWALK	
				4-INCH	
STATION TO STATION		LOCATION		SF	REMARKS
STAGE 1					
53+82	-	53+93	STH 54	88	MEDIAN
Stage 1 Total				88	
		TOTAL		88	

SLOPE PAVING CRUSHED AGGREGATE

				604.05	
STATION		LOCATION		SY	
STAGE 1					
37+58	RT	STH 54		191	
37+58	LT	STH 54		191	
Stage 1 Total				382	
		TOTAL		382	

ADJUSTING INLETS

				611.8115	
				ADJUSTING	
				INLET COVER	
				EACH	
STATION		LOCATION			
STAGE 1					
180+28	LT	STH 54		1	
Stage 1 Total				1	
		TOTAL		1	

ADJUSTING MANHOLE COVERS: CATEGORY 0020

				611.8110	SPV.0060.01
				MANHOLE	SANITARY
				COVERS	MANHOLE
				EA	EA
CATEGORY		STATION			
STAGE 1					
0020	81+70	LT	STH 54	-	1
	83+00	LT	STH 54	-	1
	389+40	LT	S HEMLOCK RD	1	-
	391+50	RT	S HEMLOCK RD	-	1
Stage 1 Total					
		TOTAL		1	3

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010. UNLESS OTHERWISE NOTED.

MGS GUARDRAIL 3

						614.2330	614.2340	614.0397	REMARKS
						K	L	MOW STRIP	
STATION	TO	STATION	LOCATION			LF	LF	SY	
STAGE 1									
126+92	-	127+85	RT STH 54			93.25	-		EMULSIFIED
127+85	-	128+98	RT STH 54			-	112.5	133	ASPHALT
128+98	-	129+29	RT STH 54			31.25	-		
128+05	-	12836	LT STH 54			31.25	-		EMULSIFIED
128+36	-	129+50	LT STH 54			-	112.5	120	ASPHALT
129+50	-	130+17	LT STH 54			67.25	-		
Stage 1 Total						223	225	253	
TOTALS						223	225	253	

MGS GUARDRAIL TERMINAL EAT

						614.2610	FINISHING
						EACH	614.0010
STATION		LOCATION					EACH
STAGE 1							
126+42	RT	STH 54				1	1
127+55	LT	STH 54				1	1
129+79	RT	STH 54				1	1
130+67	LT	STH 54				1	1
Stage 1 Total						4	4
TOTALS						4	4

CONCRETE MEDIAN SLOPED NOSE

				620.0300
				SF
STATION		LOCATION		
STAGE 1				
53+60		STH 54		290
Stage 1 Total				290
TOTAL				290

MOBILIZATION

				619.1000
				EACH
STATION	TO	STATION	LOCATION	
PROJECT 9210-13-71			STH 54	1
TOTAL				1

LANDSCAPING SUMMARY

						625.0100	628.2004	628.2006	629.0210	630.0130	630.0140	624.0100	REMARKS
						TOPSOIL	EROSION MAT	EROSION MAT	FERTILIZER	SEED MIXTURE	SEED MIXTURE	WATER	
							CLASS I TYPE B	URBAN CLASS I TYPE A	TYPE B	NO. 30	NO. 40		
	STATION	TO	STATION		LOCATION	SY	SY	SY	CWT	LB	LB	MGAL	
STAGE 1													
	43+51	-	43+52	LT	STH 54	118	118	-	0.074	2.12	-	-	NE ON-RAMP
	43+79	-	44+36	LT	STH 54	121	121	-	0.076	2.17	-	-	NE ON-RAMP
	77+39	-	80+00	LT	STH 54	510	510	-	0.321	9.18	-	-	
	80+94	-	83+46	LT	STH 54	86	-	86	0.054	-	1.55	-	
	125+52	-	130+69	RT	STH 54	1091	1091	-	0.688	19.64	-	-	
	126+65	-	131+57	LT	STH 54	994	994	-	0.626	17.90	-	-	
	132+90	-	137+64	LT	STH 54	55	-	55	0.035	-	0.99	-	
	169+88	-	174+98	RT	STH 54	160	-	160	0.101	-	2.88	-	
	170+27	-	174+85	LT	STH 54	300	-	300	0.189	-	5.39	-	
	176+75	-	182+12	LT	STH 54	334	-	334	0.211	-	6.02	-	
	177+81	-	181+89	RT	STH 54	590	-	590	0.372	-	10.62	-	
	389+08	-	389+16	LT	S HEMLOCK RD	1	1	-	0.001	0.02	-	-	
	389+08	-	389+38	RT	S HEMLOCK RD	7	7	-	0.004	0.12	-	-	
	390+64	-	392+00	LT	S HEMLOCK RD	139	139	-	0.087	2.50	-	-	
	390+84	-	392+00	RT	S HEMLOCK RD	97	97	-	0.061	1.74	-	-	
	410+84	-	411+54	RT	CRAANEN RD	53	53	-	0.033	0.95	-	-	
	428+74	-	429+36	RT	ST KILLIAN RD	67	67	-	0.042	1.21	-	-	
	QUADRANTS				S HEMLOCK RD AREA	194	194	-	0.122	3.50	-	-	
	QUADRANTS				CRAANEN RD AREA	99	99	-	0.062	1.78	-	-	
	QUADRANTS				ST KILLIAN RD AREA	99	99	-	0.063	1.78	-	-	
Stage 1 Total						5115	3590	1525	3.222	64.61	27.45	-	
STAGE 2													
	183+43	-	190+51	LT	STH 54	185	-	185	0.117	-	3.34	-	
	183+48	-	185+52	RT	STH 54	70	-	70	0.044	-	1.26	-	
	448+39	-	449+23	LT	CTH T	92	92	-	0.058	1.65	-	-	
	448+39	-	449+29	RT	CTH T	25	25	-	0.016	0.46	-	-	
	450+62	-	451+50	LT	CTH T	110	110	-	0.069	1.97	-	-	
	450+80	-	450+99	RT	CTH T	17	17	-	0.010	0.03	-	-	
	QUADRANTS				CTH T AREA	208	208	-	0.132	3.76	-	-	
Stage 2 Total						707	452	255	0.446	7.87	4.6		
STAGE 3													
	209+70	-	210+69	RT	STH 54	207	207	-	0.131	3.73	-	-	
	221+00	-	222+85	LT	STH 54	852	-	852	0.537	-	15.33	-	
	223+70	-	225+31	LT	STH 54	985	-	985	0.620	-	17.72	-	
	245+66	-	247+26	RT	STH 54	251	251	-	0.158	4.51	-	-	
	246+46	-	247+46	LT	STH 54	174	174	-	0.110	3.13	-	-	
	298+00	-	300+12	RT	STH 54	528	528	-	0.332	9.50	-	-	
	298+00	-	300+32	LT	STH 54	578	578	-	0.364	10.40	-	-	
	301+41	-	302+88	RT	STH 54	562	562	-	0.354	10.12	-	-	
	301+65	-	302+88	LT	STH 54	554	554	-	0.349	9.97	-	-	
	314+73	-	317+02	RT	STH 54	148	-	148	0.093	-	2.67	-	
	468+56	-	469+23	LT	GAUTHIER RD	182	182	-	0.115	3.28	-	-	
	QUADRANTS				GAUTHIER RD AREA	94	94	-	0.060	1.70	-	-	
	QUADRANTS				MERCIER RD AREA	197	197	-	0.124	3.54	-	-	
	QUADRANTS				CTH P AREA	193	193	-	0.121	3.47	-	-	
Stage 3 Total						5505	3520	1985	3.468	63.35	35.7		
UNDISTRIBUTED							STH 54	-	-	-	-	412	
TOTALS						11327	7562	3765	7.1	136	68	412	

SILT FENCE

						628.1504	628.1520
						MAINTENANCE	
STATION	TO	STATION	LOCATION		LF	LF	
STAGE 1							
126+50	-	127+75	RT	STH 54	125	125	
126+75	-	128+50	LT	STH 54	175	175	
129+50	-	130+75	LT	STH 54	125	125	
133+62	-	137+62	LT	STH 54	400	400	
170+00	-	174+91	RT	STH 54	491	491	
170+50	-	177+50	LT	STH 54	700	700	
179+00	-	181+00	RT	STH 54	200	200	
179+50	-	182+00	LT	STH 54	250	250	
390+85	-	391+00	LT	S HEMLOCK RD	15	15	
Stage 1 Total					2481	2481	
STAGE 3							
184+50	-	185+50	RT	STH 54	100	100	
184+50	-	186+00	LT	STH 54	150	150	
188+50	-	190+78	LT	STH 54	228	228	
210+00	-	210+69	RT	STH 54	69	69	
221+50	-	226+35	RT	STH 54	485	485	
301+50	-	302+50	RT	STH 54	100	100	
314+73	-	316+70	RT	STH 54	197	197	
Stage 3 Total					1329	1329	
UNDISTRIBUTED				STH 54	953	953	
TOTALS					4763	4763	

INLET PROTECTION

628.7005				
TYPE A				
STATION		LOCATION	EACH	REMARKS
STAGE 1				
180+28	LT	STH 54	1	FIELD INLET
Stage 1 Total			1	
TOTAL			1	

MOBILIZATIONS EROSION CONTROL

				628.1905
STATION	TO	STATION	LOCATION	EACH
STAGE 1				
37+58	-	181+89	STH 54	3
Stage 1 Total				3
STAGE 2				
181+89	-	183+48	STH 54	3
Stage 2 Total				3
STAGE 3				
183+48	-	317+75	STH 54	3
Stage 3 Total				3
TOTAL				9

MOBILIZATIONS EMERGENCY EROSION CONTROL

				628.1910
STATION	TO	STATION	LOCATION	EACH
STAGE 1				
37+58	-	181+89	STH 54	1
Stage 1 Total				1
STAGE 2				
181+89	-	183+48	STH 54	1
Stage 2 Total				1
STAGE 3				
183+48	-	317+75	STH 54	1
Stage 3 Total				1
TOTAL				3

TEMPORARY DITCH CHECKS

				628.7504
STATION		LOCATION		LF
STAGE 1				
65+00	RT	STH 54		10
65+00	LT	STH 54		10
66+00	RT	STH 54		10
66+00	LT	STH 54		10
72+00	RT	STH 54		10
72+00	LT	STH 54		10
74+00	RT	STH 54		10
74+00	LT	STH 54		10
79+00	RT	STH 54		10
79+00	LT	STH 54		10
89+25	RT	STH 54		10
89+25	LT	STH 54		10
89+80	RT	STH 54		10
89+80	LT	STH 54		10
101+00	RT	STH 54		10
101+00	LT	STH 54		10
107+50	RT	STH 54		10
107+50	LT	STH 54		10
109+00	RT	STH 54		10
109+00	LT	STH 54		10
116+60	RT	STH 54		10
116+60	LT	STH 54		10
117+60	RT	STH 54		10
117+60	LT	STH 54		10
127+80	RT	STH 54		10
128+30	LT	STH 54		10
129+20	RT	STH 54		10
129+70	LT	STH 54		10
150+25	RT	STH 54		10
150+25	LT	STH 54		10
151+90	RT	STH 54		10
166+95	RT	STH 54		10
166+95	LT	STH 54		10
174+50	LT	STH 54		10
175+25	RT	STH 54		10
176+15	RT	STH 54		10
180+00	RT	STH 54		10
Stage 1 Total				370

STATION		LOCATION		628.7504
				LF
STAGE 3				
194+40	RT	STH 54		10
194+40	LT	STH 54		10
195+40	RT	STH 54		10
195+40	LT	STH 54		10
200+40	RT	STH 54		10
200+40	LT	STH 54		10
212+00	RT	STH 54		10
212+00	LT	STH 54		10
220+00	LT	STH 54		10
220+90	RT	STH 54		10
221+10	LT	STH 54		10
220+00	RT	STH 54		10
224+05	LT	STH 54		10
225+00	LT	STH 54		10
225+05	RT	STH 54		10
238+00	RT	STH 54		10
239+00	RT	STH 54		10
245+10	RT	STH 54		10
245+10	LT	STH 54		10
251+00	RT	STH 54		10
251+00	LT	STH 54		10
270+25	RT	STH 54		10
270+25	LT	STH 54		10
271+90	RT	STH 54		10
271+90	LT	STH 54		10
296+00	RT	STH 54		10
296+00	LT	STH 54		10
298+00	RT	STH 54		10
298+00	LT	STH 54		10
302+20	RT	STH 54		10
302+20	LT	STH 54		10
303+97	RT	STH 54		10
303+97	LT	STH 54		10
Stage 3 Total				330
UNDISTRIBUTED		STH 54		175
TOTAL				875

CULVERT PIPE CHECKS

			628.7555
	STATION	LOCATION	EACH
STAGE 1			
	65+37	STH 54	8
	65+44	STH 54	8
	108+20	STH 54	8
	117+20	STH 54	8
	150+95	STH 54	11
	175+30	STH 54	8
	429+53	ST KILLIAN RD	5
Stage 1 Total			56
STAGE 3			
	194+91	STH 54	8
	195+05	STH 54	8
	199+80	STH 54	11
	221+00	STH 54	8
	224+60	STH 54	5
	230+00	STH 54	5
	238+50	STH 54	8
	270+99	STH 54	8
	302+85	STH 54	8
	530+90	CTH P	5
Stage 3 Total			74
UNDISTRIBUTED		STH 54	31
TOTAL			161

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	STAGE 1										
1	STH 54 EB OFF-RAMP AT INTERSECTION	R6-2L	---	---	---	---	---	---	1	1	
2	"	R5-1	30" X 30"	6.25	---	1	---	---	---	---	PART OF REMOVAL FOR SIGN #1
3	STH 54 MEDIAN AT RAMP	J3-2	48" X 57"	19.00	---	---	---	1	1	1	NORTH STH 57, EAST STH 54, SEE PLAN SHEET
4	"	R3-2	24" X 24"	4.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #3, MOUNT ON BACK OF SIGN #3
5	STH 54 EB OFF-RAMP AT INTERSECTION	R6-1R	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ABOVE SIGN #6
6	"	R1-1	30" X 30"	5.18	---	---	---	1	1	1	
7	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #6
8	"	R6-2R	---	---	---	---	---	---	1	1	
9	STH 54 EB OFF-RAMP	R5-1A	36" X 24"	6.00	---	---	---	---	1	1	MOUNT ON BACK OF SIGN #10
10	"	D1-1	60" X 15"	6.25	---	1	---	---	---	---	SEE SIGN DETAIL SHEET, PART OF REMOVAL FOR SIGN #9
11	"	J3-2	72" X 84"	42.00	---	---	---	2	1	1	WEST CTH I, EAST STH 54, CURRENTLY A D4-5 "PARK AND RIDE"
12	"	D4-5	36" X 48"	12.00	---	---	1	---	1	1	CURRENTLY A J3-2
13	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #12, MOUNT ON BACK OF SIGN #12
14	VACANT	---	---	---	---	---	---	---	---	---	
15	STH 54 EB, E. OF RAMP	W4-3R	30" X 30"	---	6.25	1	---	---	1	1	
16	STH 54 WB, E. OF RAMP	R5-1	30" X 30"	6.25	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #17
17	"	J3-1	24" X 57"	9.50	---	---	---	1	1	1	NORTH STH 57, SEE PLAN SHEET
17A	STH 54 EB, E. OF RAMP	R2-1	24" X 30"	5.00	---	1	---	---	---	---	45 MPH
17B	"	R2-1	24" X 30"	5.00	---	1	---	---	---	---	45 MPH
18	STH 54 WB, E. OF RAMP	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #19, MOUNT ON BACK OF SIGN #19
19	"	D1-3	90" X 36"	22.50	---	---	2	---	1	2	SEE SIGN DETAIL SHEET
20	STH 54 EB, E. OF RAMP	D4-5	36" X 48"	12.00	---	---	1	---	1	1	
21	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #20
22	"	W4-2R	36" X 36"	---	9.00	---	1	---	1	1	
23	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #22, MOUNT ON BACK OF SIGN #22
24	STH 54 WB, E. OF RAMP	J2-3	72" X 57"	28.50	---	---	2	---	1	2	SOUTH STH 57, WEST STH 54, NORTH STH 57, SEE PLAN SHEET
25	STH 54, MEDIAN AT MALONEY RD	R4-7	24" X 30"	5.00	---	1	---	---	1	1	
26	"	R4-7	24" X 30"	5.00	---	---	1	---	1	1	
27	MALONEY RD	R6-1L	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #28
28	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ABOVE SIGN #29
29	"	R1-1	30" X 30"	5.18	---	---	---	1	1	1	
30	"	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #29
31	"	R6-2R	---	---	---	---	---	---	1	1	
32	"	R6-2L	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #31
33	STH 54, MEDIAN AT MALONEY RD	D4-5	36" X 48"	12.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #26, MOUNT ON BACK OF SIGN #26
34	NIAGARA TRAIL	R6-2L	---	---	---	---	---	---	1	1	
35	"	R6-2R	---	---	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #34
36	"	R6-1R	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ABOVE SIGN #37
37	"	R1-1	30" X 30"	5.18	---	---	---	1	1	1	
38	NIAGARA TRAIL	R6-3	30" X 24"	5.00	---	---	---	---	---	---	MOUNT BELOW SIGN #37
39	"	R6-1L	36" X 12"	3.00	---	---	---	---	---	---	MOUNT ON BACK OF SIGN #36
40	STH 54 WB, E. OF NIAGARA TRAIL	R5-1	30" X 30"	6.25	---	1	---	---	1	1	
41	STH 54 EB, E. OF NIAGARA TRAIL	W6-2	36" X 36"	---	9.00	---	1	---	1	1	

PAGE SUBTOTALS

282.29

24.25

7

9

7

21

23

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
42	"	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #41, MOUNT ON BACK OF SIGN #41
43	STH 54 WB, E. OF NIAGARA TRAIL	R5-1A	36" X 24"	6.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #44, MOUNT ON BACK OF SIGN #44
44	"	J1-2	48" X 39"	13.00	---	1	---	---	1	1	JCT STH 57, JCT CTH I
45	STH 54 EB, E. OF NIAGARA TRAIL	J4-1	24" X 36"	6.00	---	1	---	---	1	1	EAST STH 54
46	"	W6-3	36" X 36"	---	9.00	---	1	---	1	1	
47	"	R5-1	30" X 30"	6.25	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #46, MOUNT ON BACK OF SIGN #46
47A	"	R4-7	24" X 30"	5.00	---	1	---	---	---	---	PART OF REMOVAL FOR SIGN #45 AS PREVIOUSLY WAS MOUNTED TO BACK SIDE
48	"	I55-56	30" X 36"	7.50	---	1	---	---	1	1	RICE ENGINEERING LUXEMBURG, WI
48A	"	R2-1	24" X 30"	5.00	---	1	---	---	---	---	45 MPH
49	STH 54 WB, E. OF NIAGARA TRAIL	W6-1	36" X 36"	---	9.00	---	1	---	1	1	
50	STH 54 EB, E. OF NIAGARA TRAIL	R2-1	24" X 30"	5.00	---	1	---	---	1	1	55 MPH
51	"	W14-3	48" X 36"	---	6.00	---	---	---	---	---	PART OF REMOVAL FOR SIGN #50, MOUNT ON BACK OF SIGN #50
52	"	D1-2	84" X 24"	14.00	---	2	---	---	1	2	SEE SIGN DETAIL SHEET
53	"	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
53A	"	W3-5	36" X 36"	---	9.00	---	1	---	---	---	45 MPH
54	N HEMLOCK RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
55	S HEMLOCK RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
56	STH 54 WB, E. OF HEMLOCK RD	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
57	CRAANEN RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
58	"	W1-7	48" X 24"	---	8.00	1	---	---	1	1	
59	STH 54 EB, E. OF CRAANEN RD	I2-3	78" X 24"	13.00	---	2	---	---	1	2	NEW FRANKEN, SEE SIGN DETAIL SHEET
60	"	I55-56	30" X 36"	7.50	---	1	---	---	1	1	BOY SCOUT TROOP 1041 HOLY CROSS
61	STH 54 WB, E. OF CRAANEN RD	I55-56	30" X 36"	7.50	---	1	---	---	1	1	RICE ENGINEERING LUXEMBURG, WI
62	STH 54 EB, E. OF CRAANEN RD	W3-5	36" X 36"	---	9.00	---	1	---	1	1	45 MPH
63	"	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
64	"	R2-1	24" X 30"	5.00	---	1	---	---	1	1	45 MPH
64A	"	R2-1	24" X 30"	5.00	---	1	---	---	1	1	55 MPH
65	STH 54 WB, W. OF ST KILLIANS RD	D2-1	78" X 15"	8.13	---	2	---	---	---	---	GREEN BAY 3, SEE SIGN DETAIL SHEET
66	ST KILLIANS RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
67	"	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
68	"	W1-7	48" X 24"	---	8.00	1	---	---	1	1	
69	STH 54 EB, E. OF ST KILLIANS RD	R7-1L	24" X 30"	5.00	---	1	---	---	1	1	
70	STH 54 WB, E. OF ST KILLIANS RD	R7-1R	24" X 30"	5.00	---	1	---	---	1	1	
71	STH 54 EB, E. OF ST KILLIANS RD	J1-1	24" X 39"	6.50	---	---	1	---	1	1	JCT CTH T
72	STH 54 WB, E. OF ST KILLIANS RD	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
73	"	R7-1L	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #72, MOUNT BELOW SIGN #72
74	STH 54 EB, E. OF ST KILLIANS RD	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
75	"	R7-1R	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #74, MOUNT BELOW SIGN #74
76	STH 54 WB, E. OF ST KILLIANS RD	J4-1	24" X 36"	6.00	---	---	1	---	1	1	WEST STH 54
77	"	R7-1D	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #76, MOUNT BELOW SIGN #76
78	STH 54 EB, E. OF ST KILLIANS RD	D1-2	66" X 24"	11.00	---	2	---	---	1	2	SEE SIGN DETAIL SHEET
79	STH 54 WB, W. OF CTH T	R2-1	24" X 30"	5.00	---	1	---	---	1	1	45 MPH
80	STH 54 WB, W. OF CTH T	R7-1D	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #79, MOUNT BELOW SIGN #79

	PAGE SUBTOTALS	214.28	76.00	31	8	0	31	34
PLAN SHEET PRODUCED								
BY WisDOT - NE REGION	STAGE 1 TOTALS	496.57	100.25	38	17	7	52	57

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
STAGE 2											
81	STH 54 EB, W. OF CTH T	J13-1	24" X 45"	7.50	---	---	1	---	1	1	CTH T, SEE PLAN SHEET
82	CTH T	J13-2	48" X 45"	15.00	---	---	1	---	1	1	STH 54, CTH T, SEE PLAN SHEET
83	"	R1-1	36" X 36"	7.46	---	1	---	---	1	1	
84	"	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
85	"	R1-1	36" X 36"	7.46	---	1	---	---	1	1	
86	"	J13-2	48" X 45"	15.00	---	---	1	---	---	---	STH 54, CTH T, SEE PLAN SHEET
STAGE 2 TOTALS				57.60	0.00	3	3	0	5	5	
STAGE 3											
87	STH 54 WB, E. OF CTH T	J13-1	24" X 45"	7.50	---	---	1	---	1	1	CTH T, SEE PLAN SHEET
88	STH 54 EB, E. OF CTH T	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
89	"	R7-1R	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #88, MOUNT BELOW SIGN #88
90	STH 54 WB, E. OF CTH T	R7-1D	24" X 30"	5.00	---	1	---	---	1	1	
91	VACANT	---	---	---	---	---	---	---	---	---	
92	STH 54 EB, E. OF CTH T	J4-1	24" X 36"	6.00	---	1	---	---	1	1	
93	STH 54 WB, E. OF CTH T	W14-3	48" X 36"	---	6.00	---	---	---	---	---	PART OF REMOVAL FOR SIGN #92, MOUNT BELOW SIGN #92
93A	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	55 MPH
94	"	R2-1	24" X 30"	5.00	---	---	1	---	1	1	45 MPH
95	"	R7-1L	24" X 30"	5.00	---	---	---	---	---	---	PART OF REMOVAL FOR SIGN #94, MOUNT BELOW SIGN #94
96	"	J1-1	24" X 39"	6.50	---	1	---	---	1	1	JCT CTH T
97	STH 54 EB, E. OF CTH T	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
98	"	W1-2L	30" X 30"	---	6.25	1	---	---	1	1	
99	STH 54 WB, E. OF CTH T	W3-5	36" X 36"	---	9.00	---	1	---	1	1	45 MPH
100	STH 54 EB, W. OF GAUTHIER RD	W1-6	48" X 24"	---	8.00	1	---	---	1	1	
101	STH 54 WB, W. OF GAUTHIER RD	I2-3	78" X 24"	13.00	---	2	---	---	1	2	NEW FRANKEN, SEE SIGN DETAIL SHEET
102	GAUTHIER RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
103	"	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
104	WAREHOUSE DR	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
105	STH 54 EB, W. OF MERCIER RD	S3-1	30" X 30"	---	6.25	1	---	---	1	1	
106	STH 54 WB, W. OF MERCIER RD	W1-6	48" X 24"	---	8.00	1	---	---	1	1	
107	"	I55-56	30" X 36"	7.50	---	1	---	---	1	1	BOY SCOUT TROOP 1041 HOLY CROSS
108	MERCIER RD	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
109	"	R1-1	30" X 30"	5.18	---	1	---	---	1	1	
110	STH 54 EB, E. OF MERCIER RD	I55-56	30" X 36"	7.50	---	1	---	---	1	1	PHI ETA SIGMA UW GREEN BAY
111	STH 54 WB, E. OF MERCIER RD	S3-1	30" X 30"	---	6.25	1	---	---	1	1	
112	"	W1-2L	30" X 30"	---	6.25	1	---	---	1	1	
113	STH 54 EB, E. OF MERCIER RD	W14-3	48" X 36"	---	6.00	1	---	---	1	1	
PAGE SUBTOTALS				161.50	68.00	23	8	0	29	30	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE TYPE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE TYPE F S.F.	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
114	STH 54 EB, W. OF CTH P	J1-1	24" X 39"	6.50	---	1	---	---	1	1	JCT CTH P
115	STH 54 WB, W. OF CTH P	R2-1	24" X 30"	5.00	---	1	---	---	---	---	55 MPH
116	STH 54 EB, W. OF CTH P	D1-1	72" X 15"	7.50	---	2	---	---	1	2	CHAMPION, SEE SIGN DETAIL SHEET
117	STH 54 WB, W. OF CTH P	J4-1	24" X 36"	6.00	---	1	---	---	1	1	WEST STH 54
118	CTH P	J13-2	48" X 45"	15.00	---	---	1	---	1	1	STH 54, CTH P, SEE PLAN SHEET
119	"	R1-1	36" X 36"	7.46	---	1	---	---	1	1	
120	STH 54 EB, W. OF CTH P	J13-1	24" X 45"	7.50	---	---	1	---	1	1	CTH P, SEE PLAN SHEET
121	CTH P	R1-1	36" X 36"	7.46	---	1	---	---	1	1	
122	"	J13-2	48" X 45"	15.00	---	---	1	---	1	1	STH 54, CTH P, SEE PLAN SHEET
123	STH 54 WB, E. OF CTH P	J13-1	24" X 45"	7.50	---	---	1	---	1	1	CTH P, SEE PLAN SHEET
124	STH 54 EB, E. OF CTH P	J4-1	24" X 36"	6.00	---	1	---	---	1	1	EAST STH 54
125	STH 54 WB, E. OF CTH P	W14-3	48" X 36"	---	6.00	---	---	---	---	---	PART OF REMOVAL FOR SIGN #126, MOUNT ON BACK OF SIGN #126
126	"	D1-1	72" X 15"	7.50	---	2	---	---	1	2	CHAMPION, SEE SIGN DETAIL SHEET
127	STH 54 EB, E. OF CTH P	R2-1	24" X 30"	5.00	---	1	---	---	---	---	55 MPH
128	STH 54 WB, E. OF CTH P	J1-1	24" X 39"	6.50	---	1	---	---	1	1	JCT CTH P
130	PARK AND RIDE	R7-8A	12" X 18"	1.50	---	1	---	---	1	1	
131	"	R7-8A	12" X 18"	1.50	---	1	---	---	1	1	
132	"	R7-8A	12" X 18"	1.50	---	1	---	---	1	1	
133	"	R7-8A	12" X 18"	1.50	---	1	---	---	1	1	
PAGE SUBTOTALS				115.92	6.00	16	4	0	16	18	
STAGE 3 TOTALS				219.82	74.00	36	9	0	40	43	
PROJECT TOTALS				773.99	174.25	77	29	7	97	105	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

FIELD OFFICE TYPE B	
LOCATION	642.5001 EACH
PROJECT 9210-13-71	1
TOTAL	1

TRAFFIC CONTROL				
STATION TO	STATION	LOCATION	643.0100 EACH	
PROJECT 9210-13-71		STH 54	1	
TOTAL			1	

TRAFFIC CONTROL DETOUR				
STATION TO	STATION	LOCATION	643.2000 EACH	
PROJECT 9210-13-71		STH 54	1	
TOTAL			1	

TRAFFIC CONTROL SUMMARY											
LOCATION	APPROX. SERVICE PERIOD DAYS	643.0300 DRUMS		643.0420 BARRICADES TYPE III		WARNING LIGHTS 643.0705 TYPE A		643.0900 TRAFFIC CONTROL SIGNS		649.0400 TEMPORARY PAVMENT MARKING LF	
		NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS		
STAGE 1											
STH 54/57 SE OFF-RAMP	7	35	245	4	28	8	56	8	56	577	
STH 54/57 NE ON-RAMP	7		-	5	35	6	42	1	7	-	
MAINLINE - STAGE 1	60		-	16	960	32	1920	28	1680	-	
Stage 1 Total			245		1023		2018		1743	577	
STAGE 2											
MAINLINE - STAGE 2	7		-	12	84	24	168	38	266	-	
Stage 2 Total			-		84		168		266	-	
STAGE 3											
MAINLINE - STAGE 3	70		-	18	1260	36	2520	29	2030	-	
Stage 3 Total			-		1260		2520		2030	-	
UNDISTRIBUTED			400		-		-		-		-
TOTALS			645		2367		4706		4039	577	

* ADDITIONAL QUANTITIES ARE SHOWN IN THE TRAFFIC CONTROL DETOUR SIGN SUMMARY

PAVEMENT MARKING SUMMARY

										646.0106	646.0126	646.2304.S	646.2308.S		
										EPOXY		EPOXY	WET REFLECTIVE	WET REFLECTIVE	REMARKS
										4-INCH		8-INCH	GROOVED EPOXY	GROOVED EPOXY	
										YELLOW	WHITE	WHITE	4-INCH	8-INCH	
STATION	TO	STATION	LOCATION				LF	LF	LF	LF	LF				
STAGE 1															
	0+00	-	20+63	LT	STH 54/STH 57 SE	OFF-RAMP	2063	-	-	-	-	-	SOLID EDGE LINE		
	0+00	-	25+60	RT	STH 54/STH 57 SE	OFF-RAMP	-	2560	-	-	-	-	SOLID EDGE LINE		
	17+24	-	20+63	RT	STH 54/STH 57 SE	OFF-RAMP	-	339	-	-	-	-	SOLID EDGE LINE		
	17+24	-	25+60	LT	STH 54/STH 57 SE	OFF-RAMP	836	-	-	-	-	-	SOLID EDGE LINE		
	37+58	-	38+73	LT	STH 54		-	-	115	-	-	-	SOLID CHANNELIZING LANE LINE		
	37+58	-	59+80		STH 54		-	4444	-	-	-	-	SOLID EDGELINES		
	41+93	-	43+25	RT	STH 54		-	-	132	-	-	-	SOLID CHANNELIZING LANE LINE		
	43+51	-	43+57	LT	STH 54		83	-	-	-	-	-	NE ON RAMP, SOLID EDGE LINE		
	46+30	-	47+47	RT	STH 54		-	1127	-	-	-	-	DASHED LANE LINE		
	50+27	-	52+33	RT	STH 54		-	-	206	-	-	-	SOLID CHANNELIZING LANE LINE		
	50+59	-	52+61	RT	STH 54		-	-	202	-	-	-	SOLID CHANNELIZING LANE LINE		
	53+60	-	54+75	LT	STH 54		-	-	115	-	-	-	SOLID CHANNELIZING LANE LINE		
	53+96	-	56+09	LT	STH 54		-	-	213	-	-	-	SOLID CHANNELIZING LANE LINE		
	59+80	-	65+70		STH 54		1475	-	-	-	-	-	CENTERLINE		
	59+80	-	75+89	RT	STH 54		-	-	-	1609	-	-	SOLID EDGE LINE		
	59+80	-	76+09	LT	STH 54		-	-	-	1629	-	-	SOLID EDGE LINE		
	65+70	-	69+90		STH 54		210	-	-	-	-	-	CENTERLINE		
	69+90	-	91+90		STH 54		5500	-	-	-	-	-	CENTERLINE		
	73+79	-	75+79		STH 54		-	-	-	-	200	S HEMLOCK TAPER,	CHANNELIZING LANE LINE		
	77+19	-	166+96	RT	STH 54		-	-	-	8977	-	-	SOLID EDGE LINE		
	77+39	-	80+94	LT	STH 54		-	-	-	355			SOLID EDGE LINE		
	77+49	-	79+49		STH 54		-	-	-	-	200	S HEMLOCK TAPER,	CHANNELIZING LANE LINE		
	83+46	-	102+54	LT	STH 54		-	-	-	1908			SOLID EDGE LINE		
	91+90	-	160+15		STH 54		3413	-	-	-	-	-	CENTERLINE		
	103+84	-	105+44	LT	STH 54		-	-	-	160	-	-	DASHED EDGE LINE		
	105+44	-	132+90	LT	STH 54		-	-	-	2746	-	-	SOLID EDGE LINE		
	137+64	-	170+27	LT	STH 54		-	-	-	3263	-	-	SOLID EDGE LINE		
	160+15	-	170+50		STH 54		2588	-	-	-	-	-	CENTERLINE		
	166+96	-	168+56	RT	STH 54		-	-	-	160	-	-	DASHED EDGE LINE		
	170+50	-	182+00		STH 54		4600	-	-	-	-	-	CENTERLINE		
	174+85	-	176+86	LT	STH 54		-	-	-	183	-	-	SOLID EDGE LINE		
	174+98	-	181+89	RT	STH 54		-	-	-	691	-	-	SOLID EDGE LINE		
	178+79	-	181+79		STH 54		-	-	-	-	300	CTH T TAPER,	CHANNELIZING LANE LINE		
Stage 1 Total							20768	8470	983	21681	700				

PAVEMENT MARKING SUMMARY CONT.

				646.0106		646.0126		646.2304.S		646.2308.S		REMARKS
				EPOXY		EPOXY		WET REFLECTIVE		WET REFLECTIVE		
				4-INCH		8-INCH		GROOVED EPOXY		GROOVED EPOXY		
				YELLOW	WHITE	WHITE		WHITE		WHTIE		
STATION	TO	STATION	LOCATION	LF	LF	LF		LF		LF		
STAGE 2												
448+39	-	449+66	CTH T	159	-	-		-		-		CENTERLINE
450+30	-	451+50	CTH T	150	-	-		-		-		CENTERLINE
450+81	-	451+50	RT CTH T	-	-	-		69		-		SOLID EDGELINE
450+63	-	451+50	LT CTH T	-	-	-		87		-		SOLID EDGELINE
Stage 2 Total				309	-	-		156		-		
STAGE 3												
183+00	-	188+80	STH 54	1450	-	-		-		-		CENTERLINE
185+52	-	206+89	RT STH 54	-	-	-		2137		-		SOLID EDGELINE
188+80	-	194+80	STH 54	300	-	-		-		-		CENTERLINE
190+79	-	222+50	LT STH 54	-	-	-		3171		-		SOLID EDGELINE
194+80	-	205+00	STH 54	2550	-	-		-		-		CENTERLINE
205+00	-	241+65	STH 54	14660	-	-		-		-		CENTERLINE
206+88	-	208+47	RT STH 54	-	-	-		159		-		DASHED EDGELINE
209+70	-	245+66	RT STH 54	-	-	-		3596		-		SOLID EDGELINE
223+81	-	225+41	LT STH 54	-	-	-		160		-		DASHED EDGELINE
225+41	-	247+46	LT STH 54	-	-	-		2205		-		SOLID EDGELINE
241+65	-	251+80	STH 54	2538	-	-		-		-		CENTERLINE
245+66	-	247+26	RT STH 54	-	-	-		160		-		DASHED EDGELINE
248+56	-	300+12	RT STH 54	-	-	-		5156		-		SOLID EDGELINE
248+75	-	250+35	LT STH 54	-	-	-		160		-		DASHED EDGELINE
250+35	-	300+32	LT STH 54	-	-	-		4997		-		SOLID EDGELINE
251+80	-	301+40	STH 54	2480	-	-		-		-		CENTERLINE
297+02	-	300+02	STH 54	-	-	-		-		300		CTH P TAPER, CHANNELIZING LANE LINE
301+40	-	317+75	STH 54	4088	-	-		-		-		CENTERLINE
301+41	-	314+73	RT STH 54	-	-	-		1332		-		SOLID EDGELINE
301+64	-	317+75	LT STH 54	-	-	-		1611		-		SOLID EDGELINE
301+74	-	304+74	STH 54	-	-	-		-		300		CTH P TAPER, CHANNELIZING LANE LINE
317+02	-	317+75	RT STH 54	-	-	-		73		-		SOLID EDGELINE
528+47	-	529+67	CTH P	240	-	-		-		-		CENTERLINE
528+47	-	529+40	RT CTH P	-	-	-		93		-		SOLID EDGELINE
528+47	-	529+17	LT CTH P	-	-	-		70		-		SOLID EDGELINE
530+35	-	531+53	CTH P	236	-	-		-		-		CENTERLINE
530+84	-	531+53	RT CTH P	-	-	-		69		-		SOLID EDGELINE
530+62	-	531+53	LT CTH P	-	-	-		91		-		SOLID EDGELINE
Stage 3 Total				28542	-	-		25240		600		
TOTALS				58089		983		47077		1300		

PAVEMENT MARKING SUMMARY CONT.

				647.0456	647.0256	647.0606	647.0656	647.0716	REMARKS
				CURB	SYMBOLS	ISLAND	PARKING	DIAGONAL	
				EPOXY	EPOXY	NOSE	STALL	EPOXY	
				YELLOW		EPOXY	EPOXY	8-INCH	
				LF	EACH	YELLOW	WHITE	WHITE	
STATION TO STATION LOCATION									
STAGE 1									
	37+58		STH 54	-	-	1	-	-	
	43+25		STH 54	-	-	1	-	-	
	43+78		STH 54	-	-	1	-	-	
44+45	-	44+51	LT STH 54	6	-	-	-	-	
	53+60		STH 54	60	-	1	-	-	MEDIAN
Stage 1 Total				66	-	4	-	-	
PARK AND RIDE				-	4	-	1420	160	
TOTALS				66	4	4	1420	160	

LOCATING NO-PASSING ZONES

					648.0100
STATION TO STATION LOCATION					MI
STAGE 1					
	37+58	-	181+89	STH 54	2.73
Stage 1 Total					2.73
STAGE 2					
	181+89	-	183+48	STH 54	0.03
Stage 2 Total					0.03
STAGE 3					
	183+48	-	317+75	STH 54	2.54
Stage 3 Total					2.54
TOTAL					5.31

CONSTRUCTION STAKING SUMMARY

		650.4500	650.5000	650.6000	REMARKS
		SUBGRADE	BASE	PIPE CULVERTS EACH	
STATION TO STATION		LF	LF		
STAGE 1					
43+51 - 43+52	LT STH 54	100	100	-	NE ON-RAMP
43+84 - 44+36	LT STH 54	95	95	-	NE ON-RAMP
65+37	STH 54	-	-	1	
65+44	STH 54	-	-	1	
117+20	STH 54	-	-	1	
150+95	STH 54	-	-	1	
175+30	STH 54	-	-	1	
389+08 - 392+00	S HEMLOCK RD	244	244	-	
410+00 - 411+54	CRAANEN RD	132	132	-	
428+74 - 430+00	ST KILLIAN RD	103	103	-	
Stage 1 Total		674	674	5	
STAGE 2					
448+39 - 451+50	CTH T	267	267	-	
Stage 2 Total		267	267	-	
STAGE 3					
194+91	STH 54	-	-	1	
195+05	STH 54	-	-	1	
221+00	STH 54	-	-	1	
238+00	STH 54	-	-	1	
270+99	STH 54	-	-	1	
302+85	STH 54	-	-	1	
468+56 - 470+00	GAUTHIER RD	122	122	-	
490+00 - 491+52	WAREHOUSE DRIVE	130	130	-	
507+92 - 511+62	MERCIER RD	327	327	-	
528+47 - 531+53	CTH P	259	259	-	
Stage 3 Total		838	838	6	
TOTALS		1779	1779	11	

		650.5500	REMARKS
		CURB & GUTTER LF	
STATION TO STATION		LF	
STAGE 1			
44+45 - 44+51	RT STH 54	6	
44+79 - 44+36	LT STH 54	95	NE ON-RAMP
53+82 - 53+93	RT STH 54	11	
53+82 - 53+93	LT STH 54	11	
80+95 - 83+46	LT STH 54	251	
132+90 - 137+64	LT STH 54	474	
169+88 - 174+98	RT STH 54	510	
170+27 - 174+85	LT STH 54	458	
176+75 - 182+12	LT STH 54	537	
389+08 - 389+16	RT S HEMLOCK RD	8	
389+08 - 389+39	LT S HEMLOCK RD	31	
NW QUAD	S HEMLOCK RD	63	
NE QUAD	S HEMLOCK RD	95	
SW QUAD	S HEMLOCK RD	94	
SE QUAD	S HEMLOCK RD	59	
NW QUAD	CRAANEN RD	62	
NE QUAD	CRAANEN RD	96	
SW QUAD	ST KILLIAN RD	94	
SE QUAD	ST KILLIAN RD	64	
Stage 1 Total		3019	
STAGE 2			
448+39 - 449+24	LT CTH T	85	
448+39 - 449+30	RT CTH T	91	
NW QUAD	CTH T	64	
NE QUAD	CTH T	94	
SW QUAD	CTH T	87	
SE QUAD	CTH T	87	
Stage 2 Total		508	
STAGE 3			
183+43 - 190+79	LT STH 54	736	
183+48 - 185+52	LT STH 54	204	
314+73 - 317+02	RT STH 54	230	
SW QUAD	GAUTHIER RD	89	
SE QUAD	GAUTHIER RD	61	
NW QUAD	WAREHOUSE DR	63	
NE QUAD	WAREHOUSE DR	94	
NW QUAD	MERCIER RD	63	
NE QUAD	MERCIER RD	94	
SW QUAD	MERCIER RD	94	
SE QUAD	MERCIER RD	63	
NW QUAD	CTH P	61	
NE QUAD	CTH P	94	
SW QUAD	CTH P	93	
SE QUAD	CTH P	60	
Stage 3 Total		2099	
TOTAL		5626	

CONSTRUCTION STAKING RESURFACING REFERENCE

						650.8000
		STATION	TO	STATION	LOCATION	LF
STAGE 1						
		59+80	-	181+89	STH 54	12209
Stage 1 Total						12209
STAGE 2						
		181+89	-	183+48	STH 54	159
Stage 2 Total						159
STAGE 3						
		183+48	-	317+75	STH 54	13427
Stage 3 Total						13427
TOTAL						25795

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

						650.9920
		STATION	TO	STATION	LOCATION	LS
		PROJECT 9210-13-71			STH 54	1.00
TOTAL						1

CONSTRUCTION STAKING SLOPE STAKES

						650.9910
						SLOPE
						STAKES
STATION TO STATION LOCATION						LF
STAGE 1						
77+39	-	80+00	LT	STH 54	264	
80+94	-	83+46	LT	STH 54	212	
125+52	-	130+69	RT	STH 54	534	
126+65	-	131+57	LT	STH 54	487	
132+90	-	133+75	LT	STH 54	62	
136+35	-	137+64	LT	STH 54	129	
169+88	-	174+98	RT	STH 54	483	
170+27	-	174+85	LT	STH 54	403	
176+75	-	182+12	LT	STH 54	482	
177+81	-	181+89	RT	STH 54	409	
389+08	-	389+16	LT	S HEMLOCK RD	8	
389+08	-	389+38	RT	S HEMLOCK RD	31	
390+64	-	392+00	LT	S HEMLOCK RD	139	
390+84	-	392+00	RT	S HEMLOCK RD	120	
410+84	-	411+54	RT	CRAANEN RD	70	
428+74	-	429+36	RT	ST KILLIAN RD	63	
	NW QUAD			S HEMLOCK RD	53	
	NE QUAD			S HEMLOCK RD	85	
	SW QUAD			S HEMLOCK RD	84	
	SE QUAD			S HEMLOCK RD	50	
	NW QUAD			CRAANEN RD	53	
	NE QUAD			CRAANEN RD	86	
	SW QUAD			ST KILLIAN RD	85	
	SE QUAD			ST KILLIAN RD	54	
Stage 1 Total						4446
STAGE 2						
448+39	-	449+23	LT	CTH T	84	
448+39	-	449+29	RT	CTH T	51	
450+62	-	451+50	LT	CTH T	88	
450+80	-	450+99	RT	CTH T	19	
	NW QUAD			CTH T	54	
	NE QUAD			CTH T	84	
	SW QUAD			CTH T	78	
	SE QUAD			CTH T	77	
Stage 2 Total						535

						650.9910 SLOPE STAKES LF
STATION		TO	STATION		LOCATION	
STAGE 3						
	183+43	-	190+51	LT	STH 54	621
	183+48	-	185+52	RT	STH 54	143
	209+70	-	210+69	RT	STH 54	102
	221+00	-	222+82	LT	STH 54	255
	223+70	-	225+31	LT	STH 54	166
	245+66	-	247+26	RT	STH 54	162
	246+46	-	247+46	LT	STH 54	105
	298+00	-	300+12	RT	STH 54	232
	298+00	-	300+32	LT	STH 54	237
	301+41	-	302+88	RT	STH 54	156
	301+65	-	302+88	LT	STH 54	125
	314+73	-	317+02	RT	STH 54	232
	468+56	-	469+23	LT	GAUTHIER RD	78
		SW QUAD			GAUTHIER RD	80
		SE QUAD			GAUTHIER RD	52
		NW QUAD			MERCIER RD	54
		NE QUAD			MERCIER RD	84
		SW QUAD			MERCIER RD	85
		SE QUAD			MERCIER RD	53
		NW QUAD			CTH P	52
		NE QUAD			CTH P	84
		SW QUAD			CTH P	83
		SE QUAD			CTH P	51
Stage 3 Total						3292
TOTAL						8273

SAWING ASPHALT

STATION TO STATION			LOCATION	LF	REMARKS
STAGE 1					
	43+51	LT	STH 54	5	42' OFFSET, NE ON-RAMP
	43+52	LT	STH 54	5	142' OFFSET, NE ON-RAMP
	59+80		STH 54	30	
	60+93	LT	STH 54	13	
	82+35	RT	STH 54	17	
	112+39	RT	STH 54	20	
	113+26	RT	STH 54	35	
	114+05	RT	STH 54	42	
	115+28	RT	STH 54	21	
133+01	-	133+11	LT	STH 54	11
133+75	-	136+32	LT	STH 54	257
	144+19	RT	STH 54	20	
	146+94	RT	STH 54	10	
	147+77	LT	STH 54	12	
	147+86	RT	STH 54	17	
	148+32	LT	STH 54	33	
	151+11	RT	STH 54	51	
	151+92	RT	STH 54	44	
	152+43	LT	STH 54	13	
	154+17	RT	STH 54	12	
	172+72	RT	STH 54	12	
	173+85	LT	STH 54	20	
174+64	-	174+75	RT	STH 54	15
	389+08		S HEMLOCK RD	32	
	392+00		S HEMLOCK RD	20	
	411+54		CRAANEN RD	22	
	428+74		ST KILLIAN RD	22	
Stage 1 Total				811	
STAGE 2					
	448+39		CTH T	44	
	448+61	RT	CTH T	63	
	451+50		CTH T	22	
Stage 2 Total				129	

					690.0150	REMARKS
STATION	TOSTATION	LOCATION		LF		
STAGE 3						
	183+62	RT	STH 54	64		
	184+44	RT	STH 54	18		
	185+74	RT	STH 54	68		
	185+87	LT	STH 54	23		
	188+03	RT	STH 54	37		
	189+23	LT	STH 54	36		
	190+49	LT	STH 54	37		
	197+06	RT	STH 54	24		
	200+01	RT	STH 54	17		
	202+02	LT	STH 54	41		
	227+49	LT	STH 54	12		
	241+15	RT	STH 54	15		
	317+75		STH 54	30		
	468+56		GAUTHIER RD	22		
	468+58 - 468+81	RT	GAUTHIER RD	21		
	490+70 - 491+43	RT	WAREHOUSE DR	78		
	491+52		WAREHOUSE DR	22		
	507+92		MERCIER RD	22		
	511+62		MERCIER RD	22		
	528+47		CTH P	22		
	531+53		CTH P	28		
Stage 3 Total				659		
PARK AND RIDE				69		
TOTAL				1668		

SAWING CONCRETE

STATION TO STATION				LOCATION		690.0250 LF	REMARKS
STAGE 1							
	14+40		STH 54/STH 57 SE	OFF-RAMP		15	
	14+59		STH 54/STH 57 SE	OFF-RAMP		15	
	16+33		STH 54/STH 57 SE	OFF-RAMP		15	
	16+82		STH 54/STH 57 SE	OFF-RAMP		15	
	16+92		STH 54/STH 57 SE	OFF-RAMP		15	
	17+26	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	17+51	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	17+67	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	17+69	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	17+73	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+10	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+59	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+70	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+89	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+98	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	18+99	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+04	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+11	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+15	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+35	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+70	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+76	EB	STH 54/STH 57 SE	OFF-RAMP		15	
	19+91	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	20+10	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	20+46	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	20+65	WB	STH 54/STH 57 SE	OFF-RAMP		15	
	21+56	EB	STH 54/STH 57 SE	OFF-RAMP		15	
22+08	-	22+37	EB	STH 54/STH 57 SE	OFF-RAMP	29	
	22+37	EB	STH 54/STH 57 SE	OFF-RAMP		15	
43+84	-	44+36	LT	STH 54		100	NE ON-RAMP
44+45	-	44+51	LT	STH 54		5	
53+60	-	53+93		STH 54		87	
53+82	-	53+93		STH 54		16	
	111+05	RT	STH 54			18	
	177+35	LT	STH 54			20	
	178+22	LT	STH 54			14	
	389+08		S HEMLOCK RD			5	
Stage 1 Total						714	
STAGE 3							
	187+56	LT	STH 54			27	
Stage 3 Total						27	
TOTAL						741	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 1 (STH 57 - CTY T)												
1	TYPE 1 (54/I; ALGOMA; EXIT 1 MILE)	G 20-60	108"x24"	1	7	7							MOUNT AS SHOWN TO TYPE I
2	1000' N OF SIGN # 1	M 1-6	36"x36"	1	7	7							54
	"	WO 20-2-A	48"x48"	1	7	7							
3	ACROSS FROM SIGN # 2 (MEDIAN SIDE)	M 1-6	36"x36"	1	7	7							54
	"	WO 20-2-A	48"x48"	1	7	7							
4	1000' N OF SIGN @ 2	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
5	ACROSS FROM SIGN # 4 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
6	LT OF TYPE 1 (LUXEBURG-NEXT RIGHT)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
7	ACROSS FROM SIGN # 6 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
8	TYPE 1 (LUXEBURG-NEXT RIGHT)									1	1		LUXEBURG-NEXT RIGHT
9	TYPE 1 (54/I; ALGOMA; TILT RIGHT)	G 20-60	108"x24"	1	7	7							MOUNT AS SHOWN TO TYPE I
10	LT OF TYPE 1 (54/I; ALGOMA; TILT RIGHT)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
11	ACROSS FROM SIGN # 10 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
12	300' N OF E 5-1 (EXIT -TILT RT) ON HWY 57 (NB)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
13	ACROSS FROM SIGN # 12 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
PAGE SUBTOTALS				38		266	0	0	0		1	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
14	250' N OF CHURCH RD INTERSECTION ON HWY 57 (NB)	MO 4-8	36"x18"	1	60	60							
	"	M 3-2	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 6-1	30"x30"	1	60	60							AHEAD
15	ACROSS FROM SIGN # 14 (MEDIAN SIDE)	MO 4-8	36"x18"	1	60	60							
	"	M 3-2	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 6-1	30"x30"	1	60	60							AHEAD
16	LT OF J1-1 (JCT K) ON HWY 57 (NB)	MO 4-8	36"x18"	1	60	60							
	"	M 3-2	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 5-1-R	30"x30"	1	60	60							
17	ACROSS FROM SIGN # 16 (MEDIAN SIDE)	MO 4-8	36"x18"	1	60	60							
	"	M 3-2	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 5-1-R	30"x30"	1	60	60							
18	RT OF J 13-1 (K-AH & RT) ON HWY 57 (NB)	MO 4-8	36"x18"	1	60	60							
	"	M 3-2	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 6-1	30"x30"	1	60	60							RIGHT
19	250' E OF HWY 57 INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
20	200' W OF CTH T INTERSECTION ON CTY K (WB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
	GAP IN SIGNING NUMBERS (21-50)												
51	500' E OF J4-2 (57-LT & RT; K-RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 5-1-L	21"x21"	1	60	60							
52	ABOVE J4-2 (57-LT & RT; K-RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							LEFT
53	LT OF J4-1 (SOUTH 57)	MO 4-8	36"x18"	1	60	60							
	"	M 3-4	36"x18"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
	"	MO 6-1	30"x30"	1	60	60							AHEAD
54	200' S OF VANLANNEN RD ON HWY 57 (SB)	MO 4-8-A	30"x24"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
55	ACROSS FROM SIGN # 54 (MEDIAN SIDE)	MO 4-8-A	30"x24"	1	60	60							
	"	M 1-6	36"x36"	1	60	60							54
56	TYPE 1 (EAST 54/I; ALGOMA; EXIT 1 MILE)									1	1		EAST 54 & ALGOMA
57	TYPE 1 (LUXEBURG-NEXT RIGHT)									1	1		LUXEBURG-NEXT RIGHT
PAGE SUBTOTALS				44		2,640	0	0	0		2	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
58	TYPE 1 (EAST 54/I; ALGOMA; TILT RIGHT)									1	1		EAST 54 & ALGOMA
59	500' N. OF ALGOMA RD-BAY SETTLEMENT RD INTERSECTION	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	M 3-1	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							57
	"	W 20-2A	48"x48"	1	7	7							
59A	PLACE RIGHT OF R1-1 STOP SIGN @ ALGOMA-BAY SETTLEMENT	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
	"	MO 4-8	24"x12"	1	7	7							
	"	M 3-1	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							57
	"	MO 6-1	21"x21"	1	7	7							AHEAD
59B	500' W. OF ALGOMA RD-BAY SETTLEMENT RD INTERSECTION	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	M 3-1	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							57
	"	W 20-2A	48"x48"	1	7	7							
59C	PLACE RIGHT OF R1-1 STOP SIGN @ ALGOMA-BAY SETTLEMENT	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
	"	MO 4-8	24"x12"	1	7	7							
	"	M 3-1	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							57
	"	MO 6-1	21"x21"	1	7	7							RIGHT
60	COVER J1-3 (JCT 54; JCT 57; END I)									1		1	ALGOMA-STURGEON BAY
61	COVER D1-3 (AH-ALGOMA/STURGEON BAY; GREEN BAY-RT)									1		1	ALGOMA
62	COVER J3-2 (N-57-AH LT; E-54-AH)									1		1	N-57-AH, E-54-AH
63	COVER D1-2 (AH-ALGOMA; LT-STURGEON BAY)									1		1	ALGOMA-STURGEON BAY
64	COVER J2-2 (N-57-LT; E-54-AH)									1		1	N-57-LT, E-54-AH
	GAP IN SIGNING NUMBERS (65-67)												
68	FIELD LOCATED - EB TRAFFIC								7				
69	FIELD LOCATED - WB TRAFFIC								7				
	GAP IN SIGNING NUMBERS (70-74)												
75	RT OF J1-1 (JCT T) ON CTY K (EB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 5-1-R	21"x21"	1	60	60							
76A	RT OF J13-2 (K-LT & RT; T-AH) ON CTY K (EB- NEAR RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							RIGHT
76B	BACKSIDE OF J13-2 (K-LT & RT; T-AH) ON CTY K (WB- FAR LT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							RIGHT
PAGE SUBTOTALS				38		902	0	0	14		1	5	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 60 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
77A	RT OF J13-2 (T-LT & RT; K-AH) ON CTY T (NB- NEAR RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							LEFT
77B	BACKSIDE OF J13-2 (T-LT & RT; K-AH) ON CTY T (SB- FAR LT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							LEFT
78	250' S OF CTY K INTERSECTION ON CTY T (SB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
79	LT OF J1-1 (JCT K) ON CTY T (NB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 5-1-L	21"x21"	1	60	60							
80	250' N OF CHURCH RD INTERSECTION ON CTY T (NB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
81	250' S OF CHURCH RD INTERSECTION ON CTY T (SB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-2	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
82A	MODIFY J1-1 (JCT 54) ON CTY T (SB)	MO 4-8-A	24"x18"	1	60	60							
	"	M 1-6	EXISTING										54
82B	D1-2 (LT-LUXEBURG; GREEN BAY-RT)									1		1	GREEN BAY RIGHT
82C	MODIFY J13-2 (54 - LT & RT; T-AH) ON CTY T (SB)	M 1-6	EXISTING										54
	"	MO 6-1	24"x12"	1	60	60							LEFT
83	250' N OF STH 54 INTERSECTION ON CTY T (NB)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							AHEAD
84	NW QUAD OF STH 54 & CTY T INTERSECTION	R-11-3	60"x30"	1	60	60	7	14					1/4 MILE
85	BELOW SIGN # 84	MO 4-9-R	30"x24"	1	60	60							
86	BACKSIDE OF J13-1 (T-LT & RT) ON STH 54 (EB- FAR LT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							RIGHT
87	RT OF J13-1 (T-LT & RT) ON STH 54 (WB- NEAR RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 6-1	21"x21"	1	60	60							RIGHT
88	RT OF J1-1 (JCT T -LT & RT) ON STH 54 (WB- NEAR RT)	MO 4-8	24"x12"	1	60	60							
	"	M 3-4	24"x12"	1	60	60							
	"	M 1-6	24"x24"	1	60	60							54
	"	MO 5-1-R	21"x21"	1	60	60							
89	750' E OF SIG N# 88 ON HWY 54 (EB)	WO 20-2-A	48"x48"	1	60	60							

PAGE SUBTOTALS

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TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 53 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
90	TYPE 1 (54/I; ALGOMA; EXIT 1 MILE)									1	1		54 & ALGOMA
91	1000' N OF SIGN #90 (MEDIAN SIDE)	M 1-6	36"x36"	1	53	53							54
	"	WO 20-2-A	48"x48"	1	53	53							
92	ACROSS FROM SIGN #91 (RIGHT SIDE)	M 1-6	36"x36"	1	53	53							54
	"	WO 20-2-A	48"x48"	1	53	53							
93	1000' N OF SIGN #92 (RIGHT SIDE)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
94	ACROSS FROM SIGN #93 (MEDIAN SIDE)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
95	ACROSS FROM SIGN #96 (MEDIAN SIDE)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
96	LT OF TYPE 1 (LUXEMBURG-NEXT RIGHT)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
97	TYPE 1 (LUXEMBURG-NEXT RIGHT)									1	1		LUXEMBURG-NEXT RIGHT
98	ACROSS FROM SIGN #99 (MEDIAN SIDE)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
99	LT OF TYPE 1 (54/I; ALGOMA; TILT RIGHT)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
100	TYPE 1 (54/I; ALGOMA; TILT RIGHT)									1	1		54 & ALGOMA
101	ACROSS FROM SIGN #102 (MEDIAN SIDE)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
102	300' N OF E5-1 RAMP GORE SIGN ON HWY 57 (NB)	MO 4-8	36"x18"	1	53	53							
	"	M 3-2	36"x18"	1	53	53							
	"	M 1-6	36"x36"	1	53	53							54
	"	MO 6-1	30"x30"	1	53	53							AHEAD
103	TYPE 1 (EAST 54/I; ALGOMA; TILT RIGHT)									1	1		EAST 54 & ALGOMA
104	500' W OF J 1-3 (JCT 54; JCT 57; END I) ON CTY II (EB)	M 1-6	24"x24"	1	53	53							54
	"	WO 20-2-A	48"x48"	1	53	53							
105	D1-3 (AH-ALGOMA/STURGEON BAY; GREEN BAY-RT)									1		1	ALGOMA
106	MODIFY J3-2 (N-57-AH LT; E-54-AH)	MO 4-8	24"x12"	1	53	53							
	"	MO 5-1-L	21"x21"	1	53	53							
107	D1-2 (AH-ALGOMA; LT-STURGEON BAY)									1		1	AH ALGOMA
108	MODIFY J 2-2 (N-57-LT; E-54-AH)	MO 4-8	24"x12"	1	53	53							
	"	MO 6-1	21"x21"	1	53	53							LEFT
109	SE QUAD OF HWY 54 & SE RAMP INTERSECTION	R 11-3	60"x30"	1	53	53	55	110					1/2 MILE
	BELOW SIGN # 65	MO 4-9-L	30"x24"	1	53	53							
110	ON SHOULDER OF FREE FLOW RIGHT TURN LANE ON NB EXIT RAMP TO HWY 54	R 11-3	60"x30"	1	53	53	55	110					1/2 MILE
PAGE SUBTOTALS				45		2,385	110	220	0		4	2	
STAGE 1 TOTALS				210		8,653	117	234	14		8	8	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 2 (CTY T INTERSECTION)				7								
1	TYPE 1 (54/I; ALGOMA; EXIT 1 MILE)									1	1		54 & ALGOMA
2	1000' N OF SIGN # 1	M 1-6	36"x36"	1	7	7							54
	"	WO 20-2-A	48"x48"	1	7	7							
3	ACROSS FROM SIGN # 2 (MEDIAN SIDE)	M 1-6	36"x36"	1	7	7							54
	"	WO 20-2-A	48"x48"	1	7	7							
4	1000' N OF SIGN @ 2	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
5	ACROSS FROM SIGN # 4 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
6	LT OF TYPE 1 (LUXEBURG-NEXT RIGHT)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
7	ACROSS FROM SIGN # 6 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
8	TYPE 1 (LUXEBURG-NEXT RIGHT)									1	1		LUXEBURG-NEXT RIGHT
9	TYPE 1 (54/I; ALGOMA; TILT RIGHT)									1	1		54 & ALGOMA
10	LT OF TYPE 1 (54/I; ALGOMA; TILT RIGHT)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
11	ACROSS FROM SIGN # 10 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
12	300' N OF E 5-1 (EXIT -TILT RT) ON HWY 57 (NB)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
13	ACROSS FROM SIGN # 12 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
14	250' N OF CHURCH RD INTERSECTION ON HWY 57 (NB)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
PAGE SUBTOTALS				40		280	0	0	0		3	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
15	ACROSS FROM SIGN # 14 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
16	LT OF J1-1 (JCT K) ON HWY 57 (NB)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 5-1-R	30"x30"	1	7	7							
17	ACROSS FROM SIGN # 16 (MEDIAN SIDE)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 5-1-R	30"x30"	1	7	7							
18	RT OF J 13-1 (K-AH & RT) ON HWY 57 (NB)	MO 4-8	36"x18"	1	7	7							
	"	M 3-2	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							RIGHT
19	250' E OF HWY 57 INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
20	200' W OF CTH T INTERSECTION ON CTY K (WB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
21	200' E OF CTY T INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
22	LT OF W 1-6 (NIGHT ARROW) ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							LEFT
23	RT OF W 1-6 (NIGHT ARROW) ON CTY K (WB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
24	LT OF W 1-6 (NIGHT ARROW) ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
25	LT OF W 1-6 (NIGHT ARROW) ON CTY K (WB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							LEFT
PAGE SUBTOTALS				44		308	0	0	0		0	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
26	200'W OF CTY P (WEST LEG) INTERSECTION ON CTY K (WB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
27	200'W OF CTY P (EAST LEG) INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
28	200'W OF CTY H INTERSECTION ON CTY K (WB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
29	200'W OF CTY H INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
30	LT OF J1-1 (JCT AB) ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 5-1-R	21"x21"	1	7	7							
31	200' W OF CTY AB INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
32	ABOVE J 13-2 (AB-LT & RT; K-AH)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
33	BACKSIDE J 13-2 (AB-LT & RT; K-AH) FAR LEFT SIDE OF INTERSECTION	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
34	BACKSIDE J 13-2 (K-LT & RT; AB-AH) FAR LEFT SIDE OF INTERSECTION	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							LEFT
35	ABOVE J 13-2 (K-LT & RT; AB-AH) ON CTY AB (NB-NEAR RT)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							LEFT
PAGE SUBTOTALS				40		280	0	0	0		0	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
36	200' S OF CTY K INTERSECTION ON CTY AB (SB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
37	RT OF J 1-1 (JCT K) ON CTY AB (NB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 5-1-L	21"x21"	1	7	7							
38	200' N OF RIVER RD INTERSECTION ON CTY AB (NB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
39	200' S OF RIVER RD INTERSECTION ON CTY AB (SB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
40	MODIFY J1-1 (JCT 54) ON CTY AB (SB)	MO 4-8-A	24"x18"	1	7	7							
	"	M 1-6	EXISTING										54
41	MODIFY J4-1 (54-LT & RT)	M 1-6	EXISTING										54
	"	MO 6-1	21"x21"	1	7	7							LEFT
42	200' N OF HWY 54 INTERSECTION ON CTY AB (NB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							AHEAD
43	NW QUAD OF HWY 54 & CTY AB INTERSECTION	R 11-3	60"x30"	1	7	7	7	14					3 1/2 MILES
44	BELOW SIGN # 43	MO 4-9-R	30"x24"	1	7	7							
45	SW QUAD OF HWY 54 & CTY AB INTERSECTION (FAR LT)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
46	100' E OF CTY AB INTERSECTION ON HWY 54 (WB) (NEAR RT)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							RIGHT
47	300' E OF SIGN # 46 ON HWY 54 (EB)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 5-1-R	21"x21"	1	7	7							
48	300' E OF SIGN # 47 ON HWY 54 (EB)	WO 20-2-A	48"x48"	1	7	7							
49	ACROSS FROM SIGN # 48 (FACING WB TRAFFIC)	WO 20-2-A	48"x48"	1	7	7							
50	J4-1 (WEST 54)									1		1	WEST 54
51	500' E OF J4-2 (57-LT & RT; K-RT)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 5-1-L	21"x21"	1	7	7							
PAGE SUBTOTALS				42		294	7	14	0		0	1	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 7 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
52	ABOVE J4-2 (57-LT & RT; K-RT)	MO 4-8	24"x12"	1	7	7							
	"	M 3-4	24"x12"	1	7	7							
	"	M 1-6	24"x24"	1	7	7							54
	"	MO 6-1	21"x21"	1	7	7							LEFT
53	LT OF J4-1 (SOUTH 57)	MO 4-8	36"x18"	1	7	7							
	"	M 3-4	36"x18"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
	"	MO 6-1	30"x30"	1	7	7							AHEAD
54	200' S OF VANLANNEN RD ON HWY 57 (SB)	MO 4-8-A	30"x24"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
55	ACROSS FROM SIGN # 54 (MEDIAN SIDE)	MO 4-8-A	30"x24"	1	7	7							
	"	M 1-6	36"x36"	1	7	7							54
56	TYPE 1 (EAST 54/I; ALGOMA; EXIT 1 MILE)									1	1		EAST 54 & ALGOMA
57	TYPE 1 (LUXEMBURG-NEXT RIGHT)									1	1		LUXEMBURG-NEXT RIGHT
58	TYPE 1 (EAST 54/I; ALGOMA; TILT RIGHT)									1	1		EAST 54 & ALGOMA
59	500' W OF J 1-3 (JCT 54; JCT 57; END I)	M 1-6	24"x24"	1	7	7							54
	"	WO 20-2-A	48"x48"	1	7	7							
60	MODIFY J 1-3 (JCT 54; JCT 57; END I)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	24"x12"	1	7	7							
	"	M 1-6	EXISTING										54
	"	MO 5-1-L	21"x21"	1	7	7							
61	D1-3 (AH-ALGOMA/STURGEON BAY; GREEN BAY-RT)									1		1	ALGOMA
62	MODIFY J3-2 (N-57-AH LT; E-54-AH)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	EXISTING										
	"	M 1-6	EXISTING										54
	"	MO 5-1-L	21"x21"	1	7	7							
63	D1-2 (AH-ALGOMA; LT-STURGEON BAY)									1		1	AH ALGOMA
64	MODIFY J 2-2 (N-57-LT; E-54-AH)	MO 4-8	24"x12"	1	7	7							
	"	M 3-2	EXISTING										
	"	M 1-6	EXISTING										54
	"	MO 6-1	21"x21"	1	7	7							LEFT
65	SE QUAD OF HWY 54 & SE RAMP INTERSECTION	R 11-3	60"x30"	1	7	7	7	14					2 1/4 MILE
66	BELOW SIGN # 65	MO 4-9-L	30"x24"	1	7	7							
67	ON SHOULDER OF FREE FLOW RIGHT TURN LANE ON NB EXIT RAMP TO HWY 54	R 11-3	60"x30"	1	7	7	7	14					2 1/4 MILE
PAGE SUBTOTALS				24		168	14	28	0		3	2	
STAGE 2 TOTALS				190		1,330	21	42	0		6	3	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
	STAGE 3 (CTY T - E COUNTY LINE)				70								
	GAP IN SIGNING NUMBERS (90-99)												
100	500' W OF J1-1 (JCT T) ON HWY 54 (EB)	WO 20-2-A	48"x48"	1	70	70							
101	RT OF J1-1 (JCT T) ON STH 54 (EB)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-L	21"x21"	1	70	70							
102	LT OF J13-1 (T-LT & RT) ON HWY 54 (EB-NEAR RT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
103	LT OF J13-1 (T-LT & RT) ON HWY 54 (EB-FAR LT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
104	NW QUAD OF HWY 54 & CTY T INTERSECTION	R 11-3	60"x30"	1	70	70	70	140					1/4 MILE
105	BELOW SIGN # 104	MO 4-9-L	30"x24"	1	70	70							
106	SAME LOCATION AS SIGN # 83 STAGE 1	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
107	SAME LOCATION AS SIGN # 82A STAGE 1	MO 4-8-A	24"x18"	1	70	70							
	"	M 1-6	EXISTING										54
108	SAME LOCATION AS SIGN # 82B STAGE 1									1		1	LEFT-LUXEMBURG
109	SAME LOCATION AS SIGN # 82C STAGE 1	M 1-6	EXISTING										54
	"	MO 6-1	24"x12"	1	70	70							RIGHT
110	SAME LOCATION AS SIGN # 81 STAGE 1	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
111	SAME LOCATION AS SIGN # 80 STAGE 1	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
112	LT OF J1-1 (JCT K) ON CTY T (NB)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-R	21"x21"	1	70	70							
113	250' S OF CTY K INTERSECTION ON CTY T (SB)	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
114	RT OF J13-2 (K-LT & RT; T-AH) ON CTY T (NB- NEAR RT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT

PAGE SUBTOTALS 41 2,870 70 140 0 0 1

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
115	BACKSIDE OF J13-2 (K-LT & RT; T-AH) ON CTY T (SB- FAR LT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
116	BACKSIDE OF J13-2 (T-LT & RT; K-AH) ON CTY K (EB- FAR LT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
117	RT OF J13-2 (T-LT & RT; K-AH) ON CTY K (WB- NEAR RT)	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
118	250' E OF CTY T INTERSECTION ON CTY K (EB)	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
119	LT OF J11-1 (JCT T) ON CTY K (WB)	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-L	21"x21"	1	70	70							
GAP IN SIGN NUMBERING 120, 121													
122	SAME LOCATION AS SIGN # 22 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
123	SAME LOCATION AS SIGN # 23 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
124	SAME LOCATION AS SIGN # 24 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
125	SAME LOCATION AS SIGN # 25 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
126	SAME LOCATION AS SIGN # 26 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
127	SAME LOCATION AS SIGN # 27 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
PAGE SUBTOTALS				44		3,080	0	0	0		0	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
128	SAME LOCATION AS SIGN # 28 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
129	SAME LOCATION AS SIGN # 29 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
130	SAME LOCATION AS SIGN # 30 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-R	21"x21"	1	70	70							
131	SAME LOCATION AS SIGN # 31 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
132	SAME LOCATION AS SIGN # 32 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
133	SAME LOCATION AS SIGN # 33 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
134	SAME LOCATION AS SIGN # 34 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
135	SAME LOCATION AS SIGN # 35 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							LEFT
136	SAME LOCATION AS SIGN # 36 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
137	SAME LOCATION AS SIGN # 37 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-L	21"x21"	1	70	70							
138	SAME LOCATION AS SIGN # 38 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
PAGE SUBTOTALS				44		3,080	0	0	0		0	0	

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 70 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	# OF CYCLES	643.0910 COVERING SIGNS TYPE I EACH	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
139	SAME LOCATION AS SIGN # 39 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-2	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
140	SAME LOCATION AS SIGN # 40 STAGE 2	MO 4-8-A	24"x18"	1	70	70							
	"	M 1-6	EXISTING										54
141	SAME LOCATION AS SIGN # 41 STAGE 2	M 1-6	EXISTING										54
	"	MO 6-1	21"x21"	1	70	70							LEFT
142	SAME LOCATION AS SIGN # 42 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							AHEAD
143	SAME LOCATION AS SIGN # 43 STAGE 2	R 11-3	60"x30"	1	70	70	70	140					3 1/2 MILES
144	BELOW SIGN # 143	MO 4-9-R	30"x24"	1	70	70							
145	SAME LOCATION AS SIGN # 45 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
146	SAME LOCATION AS SIGN # 46 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 6-1	21"x21"	1	70	70							RIGHT
147	SAME LOCATION AS SIGN # 47 STAGE 2	MO 4-8	24"x12"	1	70	70							
	"	M 3-4	24"x12"	1	70	70							
	"	M 1-6	24"x24"	1	70	70							54
	"	MO 5-1-R	21"x21"	1	70	70							
148	SAME LOCATION AS SIGN # 48 STAGE 2	WO 20-2-A	48"x48"	1	70	70							
149	SAME LOCATION AS SIGN # 49 STAGE 2	WO 20-2-A	48"x48"	1	70	70							
150	SAME LOCATION AS SIGN # 50 STAGE 2									1		1	WEST 54
151	FIELD LOCATED - EB TRAFFIC								7				
152	FIELD LOCATED - WB TRAFFIC								7				
PAGE SUBTOTALS				26		1,820	70	140	14		0	1	
STAGE 3 TOTALS				155		10,850	140	280	14		0	2	
PROJECT TOTALS				555		20,833	278	556	28		14	13	



Document Number
AFFIDAVIT OF CORRECTION
TRANSPORTATION PROJECT PLAT
Wisconsin Department of Transportation
s.84.095(3)(b) Wis. Stats.
DT1590 8/2006

2711222
CATHY WILLIQUETTE LINDSAY
BROWN COUNTY RECORDER
GREEN BAY, WI
RECORDED ON
07/13/2015 11:28 AM
REC FEE: 30.00
EXEMPT #
PAGES: 2

This Affidavit of Correction applies to Transportation Project Plat
9210-13-22-4.01, recorded in Document Number 2707362 on
06/11/2015 in the Office of the Register of Deeds for Brown County.

See attached

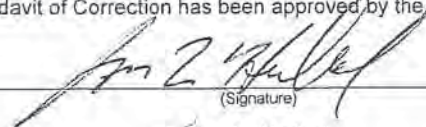
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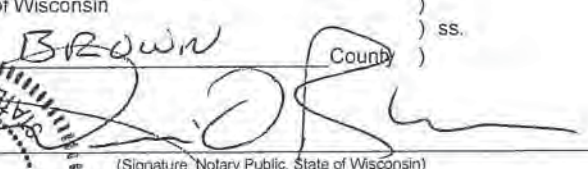
Wisconsin Department of Transportation
944 Vanderperren Way
Green Bay, WI 54304

Parcel Identification Number/Tax Key Number
GB-206-10

I certify that I represent the entity, which prepared or submitted the original plat.
This Affidavit of Correction has been approved by the Wisconsin Department of Transportation.


(Signature)
Jon L. Herbel
(Print Name)
WISDOT
(Title)

Subscribed and sworn to before me this date.
JUNE 30, 2015
(Date)

State of Wisconsin)
Brown) ss.
County)

(Signature, Notary Public, State of Wisconsin)
DENNIS O. RHODES
(Print or Type Name, Notary Public, State of Wisconsin)
7/31/2017
(Date Commission Expires)



Seal(s)

In the TOP CAPTION AND IN THE DRAWING for Parcel Number 1 reads as shown below:

PART OF LOT 1, CSM#8349, VOL. 58 PG. 282, AS DOC.#2641520, IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 ; PART OF LOT 4, CSM#5120, VOL. 33 PG. 195, AS DOC.#1485411, IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 ; ALL WITHIN SECTION 22, T24N-R22E, TOWN OF GREEN BAY, BROWN COUNTY, WISCONSIN.

NW 1/4 - NE 1/4

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE RW ACRE(S) OR (S.F.) REQUIRED			T.L.E. AREA
			NEW	EXISTING	TOTAL	
1	DANIEL C. METZLER REVOCABLE TRUST	FEE	0.046	-	0.046	-
2	STRAND INVESTMENTS LLC.	FEE	0.011	-	0.011	-

SCHEDULE OF UTILITIES & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	CENTURYLINK COMMUNICATION	RELEASE OF RIGHTS
101	WISCONSIN PUBLIC SERVICE-ELECTRIC	RELEASE OF RIGHTS

EASEMENT
TELEPHONE
VOL.669 PGS.116
DOC.#619201

LOT 1
CSM#8349
VOL.58 PGS.282
DOC.#2641520

Affiant makes this affidavit for the purpose of correcting the above Document # 2707362 as follows (if more space is needed attach addendum);

In the TOP CAPTION AND IN THE DRAWING for Parcel Number 1 SHOULD read as shown below:

PART OF LOT 2, CSM#8349, VOL. 58 PG. 282, AS DOC.#2641520, IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 ; PART OF LOT 4, CSM#5120, VOL. 33 PG. 195, AS DOC.#1485411, IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 ; ALL WITHIN SECTION 22, T24N-R22E, TOWN OF GREEN BAY, BROWN COUNTY, WISCONSIN.

NW 1/4 - NE 1/4

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			NEW	EXISTING	TOTAL	
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2	STRAND INVESTMENTS LLC.	FEE	0.011	-	0.011	-

SCHEDULE OF UTILITIES & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	CENTURYLINK COMMUNICATION	RELEASE OF RIGHTS
101	WISCONSIN PUBLIC SERVICE-ELECTRIC	RELEASE OF RIGHTS

EASEMENT
TELEPHONE
VOL.669 PGS.116
DOC.#619201

LOT 2
CSM#8349
VOL.58 PGS.282
DOC.#2641520

TRANSPORTATION PROJECT PLAT NO: 9210-13-22-4.01

PART OF LOT 1, CSM#8349, VOL. 58 PG. 282, AS DOC.#2641520, IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 ; PART OF LOT 4, CSM#5120, VOL. 33 PG. 195, AS DOC.#1485411, IN THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 ; ALL WITHIN SECTION 22, T24N-R22E, TOWN OF GREEN BAY, BROWN COUNTY, WISCONSIN.

RELOCATION ORDER S.T.H. 54 BROWN COUNTY GREEN BAY-LUXEMBURG

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

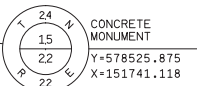
CONVENTIONAL ABBREVIATIONS AND SYMBOLS

ACCESS POINT AP
ACCESS RIGHTS AR
ACRES AC
CHORD BEARING CH BRG
CHORD DISTANCE CH DTS
DEED DOCUMENT
EAST BOUND EB
GAS VALVE GV
JUNCTION JCT
LENGTH OF CURVE L
MONUMENT MON
NORTH BOUND NB
PAGE PG
PERMANENT PERM
PERMANENT LIMITED EASEMENT PLE
PRIVATE DRIVEWAY PD
PROPERTY LINE PL
RADIUS RAD
REFERENCE LINE R/L
REMAINING REM
RIGHT OF WAY R/W
SECTION SEC
SECTION LINE S/L
FOUND IRON PIPE IP
STATION STA
TEMPORARY LIMITED EASEMENT TLE
TIE POINT TP
VOLUME VOL
ADJOINING LANDS WITH SAME OWNER DO
PARALLEL TO LINE
BUILDING TO BE RAZED
FEE ACQUISITION
BEGIN POINT
END POINT

SECTION CORNER
MATERIAL (AS NOTED)
SET R/W MONUMENT W/CAP
(1/4" OUTSIDE DIA. x 18")
IRON PIPE 1.13 LBS/FT
FOUND TYPE 2 MON.
FOUND 3/4" REBAR
SET P.K. NAIL
PROPOSED R/W
BOUNDARY POINT
CORPORATE LIMITS
EXISTING R/W
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED OR NEW R/W LINE
PROPOSED EASEMENT LINE
PARCEL NUMBER
UTILITY NUMBER
SIGN NUMBER
PROPERTY LINE
LOT, TIE AND OTHER MINOR
DASHED LINES
ACCESS RESTRICTED
(By Previous Project/
Control)
ACCESS RESTRICTED
(By Acquisition)
NO ACCESS
(By Statutory Authority)
LIMITED EASEMENT
(Temporary)
LIMITED EASEMENT
(Permanent)

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD
TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
NON-COMPENSABLE
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER



COURSE TABLE	POINT TO POINT	BEARING	DISTANCE
SEC50	DB27	S88° 52' 27"E	2645.14'
DB27	DB1	N00° 11' 50"E	1330.36'
DB1	DB2	S88° 55' 25"E	646.77'
DB2	PRW3	N00° 07' 50"E	54.17'
PRW3	PRW4	N73° 19' 01"E	10.35'
PRW4	PRW5	S85° 12' 50"E	77.64'
PRW5	PRW6	N25° 33' 14"E	28.54'
PRW6	PRW7	N54° 22' 12"E	16.66'
PRW7	DB8	S66° 58' 24"E	59.95'
DB8	DB9	S23° 21' 30"W	161.56'
DB9	PRW10	N66° 38' 24"W	59.96'
PRW10	PRW11	N50° 46' 30"W	63.57'
PRW11	DB2	N00° 07' 50"E	22.00'

POINT	STATION	OFFSET	COORDINATES
DB9	222+52.97	0.00'	Y=577097.394 X=152487.433
PRW10	222+52.97	-59.96'	Y=577121.168 X=152432.391
PRW11	222+70.35	-121.11'	Y=577161.368 X=152383.144
DB2	222+90.57	-129.78'	Y=577183.369 X=152383.194
PRW3	223+40.35	-151.15'	Y=577237.543 X=152383.318
PRW4	223+47.01	-143.23'	Y=577240.514 X=152393.231
PRW5	224+71.74	-69.63'	Y=577234.036 X=152470.600
PRW6	224+00.25	-68.54'	Y=577259.780 X=152482.909
DB8	224+14.53	0.00'	Y=577245.714 X=152551.489
PRW7	224+14.53	-59.95'	Y=577269.486 X=152496.451

NW 1/4 - NE 1/4

SCHEDULE OF LANDS & INTERESTS REQUIRED						
PARCEL NUMBER	OWNER	INTEREST REQUIRED	FEE R/W ACRE(S) OR (S.F.) REQUIRED			T.L.E. AREA
			NEW	EXISTING	TOTAL	
1	DANIEL C. METZLER REVOCABLE TRUST	FEE	0.046	-	0.046	-
2	STRAND INVESTMENTS LLC.	FEE	0.011	-	0.011	-

SCHEDULE OF UTILITIES & INTERESTS REQUIRED		
UTILITY NUMBER	OWNER	INTEREST REQUIRED
100	CENTURYLINK-COMMUNICATION	RELEASE OF RIGHTS
101	WISCONSIN PUBLIC SERVICE-ELECTRIC	RELEASE OF RIGHTS

EASEMENT TELEPHONE VOL.669 PGS.116 DOC.#619201

LOT 1 CSM#8349 VOL.58 PGS.282 DOC.#2641520

R/W REFERENCE LINE	COURSE TABLE	STATION	Y	X	DIRECTION	DISTANCE
TANGENT DATA						
BP =	218+66.06	576742.199	152334.033		N23° 21' 30"E	819.28'
PC =	226+85.34	577494.333	152658.861			
CC =	237+65.74	576845.285	154161.719			
PI =	248+86.186	578486.186	153087.218			
TAN =	1080.399'					
DB N 23° 21' 30" E'						
DA S 89° 47' 38" E'						
LChord Distance	1803.440'				Bearing N 56° 46' 56" E	
External Distance	324.381'					
Middle Ordinate	270.734'					
Radius	1637.023'					
DEG 3° 30' 00"						
DELTA	66° 50' 52"					
LENGTH	1909.939'					
PT =	245+95.28	578482.298	154167.610			

RESERVE FOR CLAUSES AND NOTE INFORMATION

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERMETER OF THE HIGHWAY LANDS AND ARE REFERENCED TO THE US PUBLIC LAND SURVEY OR OTHER SURVEY OF PUBLIC RECORD.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

AREAS SHOWN IN THE TOTAL ACRES COLUMN OF THE SCHEDULE OF LANDS & INTEREST TABLE MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

COORDINATES AS SHOWN ARE NOT INTENDED TO BE USED FOR RETRACEMENT PURPOSES AND MUST BE VERIFIED WITH THE COUNTY SURVEY DEPARTMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD 83 (1993) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

EXISTING RIGHT OF WAY WAS ACQUIRED FROM PROJECT(S): 4130-03-2L CSMs, SUBDIVISION PLATS, MISC. SURVEYS & OTHER DOCUMENTS

EXISTING ACCESS CONTROL WAS ACQUIRED UNDER PROJECT(S)/DOC.#: 4130-03-2L CSMs, SUBDIVISION PLATS, MISC. SURVEYS & OTHER DOCUMENTS

RIGHT OF WAY REFERENCE LINE MAY NOT BE THE SAME AS THE CONSTRUCTION REFERENCE LINE.

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

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO DEPARTMENT OF TRANSPORTATION.

FEE SIMPLE TO ALL THOSE EXISTING LANDS OF THE GRANTOR CURRENTLY USED FOR HIGHWAY PURPOSES, DESIGNATED AS EXISTING RIGHT OF WAY, WHETHER ACQUIRED BY SEPARATE CONVEYANCE OR OTHERWISE, BOUND BY THE TRAVERSE OF THE COURSE TABLE OF NEW RIGHT OF WAY AS SHOWN ON THE SAID TRANSPORTATION PROJECT PLAT.

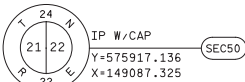
WISCONSIN DEPARTMENT OF TRANSPORTATION

I, CAROLYN J. SAMPSON PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095, OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Carolyn J. Sampson DATE: 06/10/2015
PRINT NAME: CAROLYN J. SAMPSON
REGISTRATION NUMBER: S-3045

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Curt Van Erem DATE: 06/10/2015
PRINT NAME: CURT VAN EREM



S88° 52' 27"E 2645.14' S/L

NE-NW
NW-NE
100° 11' 50"E 1330.36'
100° 11' 50"E 1330.36'

TOWN

LOT 1 CSM#5370 VOL.35 PGS.160 DOC.#1545420

LOT 2 CSM#5370 VOL.35 PGS.160 DOC.#1545420

LOT 3 CSM#5370 VOL.35 PGS.160 DOC.#1545420

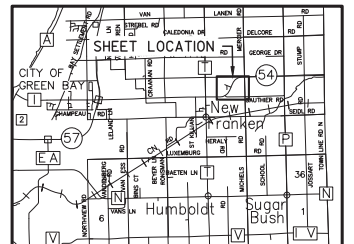
LOT 2 CSM#5254 VOL.34 PGS.188 DOC.#1515952

EASEMENT TELEPHONE VOL.669 PGS.116 DOC.#619201

EASEMENT TRANSMISSION J.12975 127-28 DOC.#1148459 ASSIGNMENT DOC.#1785028

LOT 4 CSM#5120 VOL.33 PGS.195 DOC.#1485411

THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 & THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 22, T24N-R22E, TOWN OF GREEN BAY, BROWN COUNTY, WISCONSIN.



LOCATION SKETCH (NOT TO SCALE)

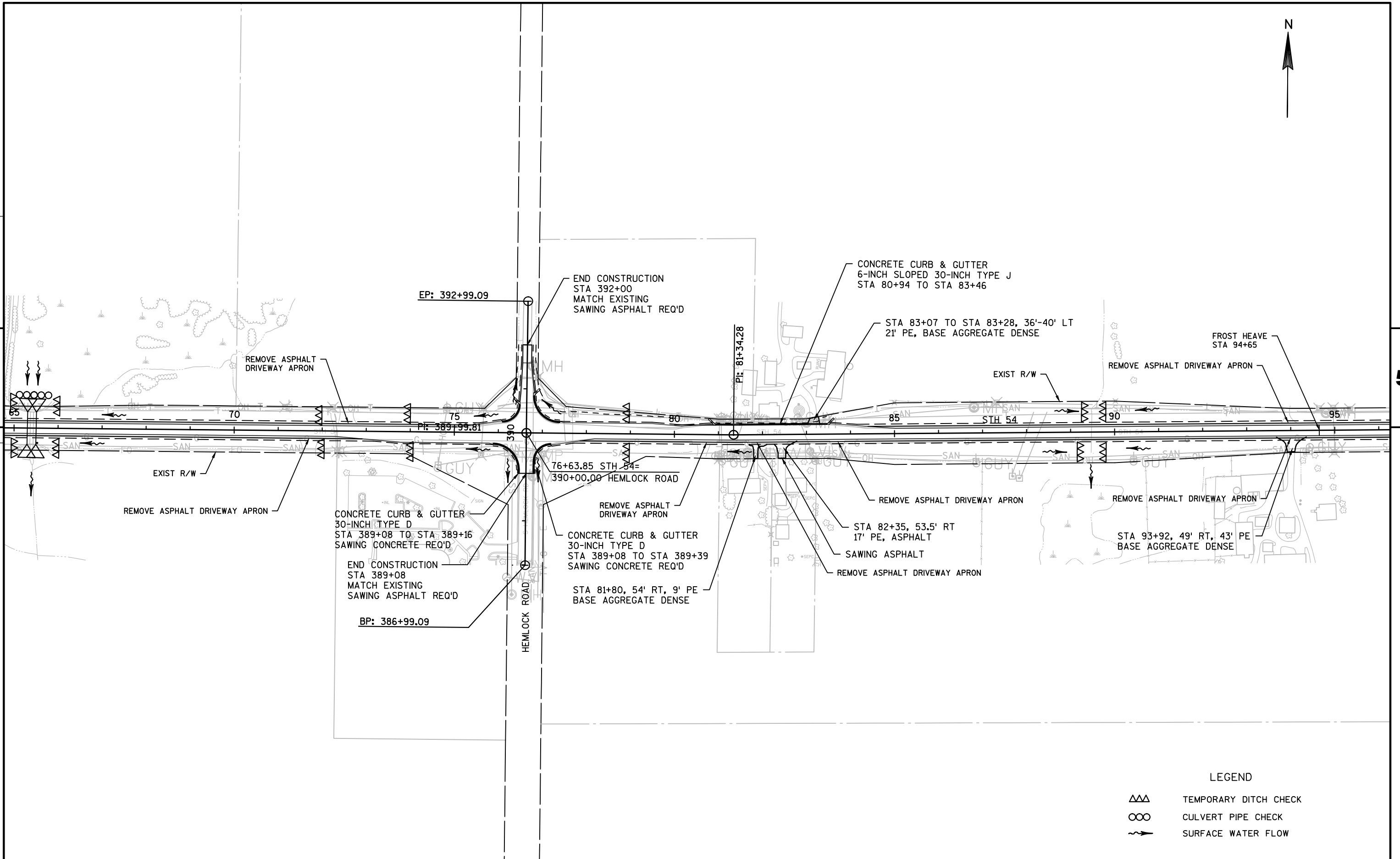
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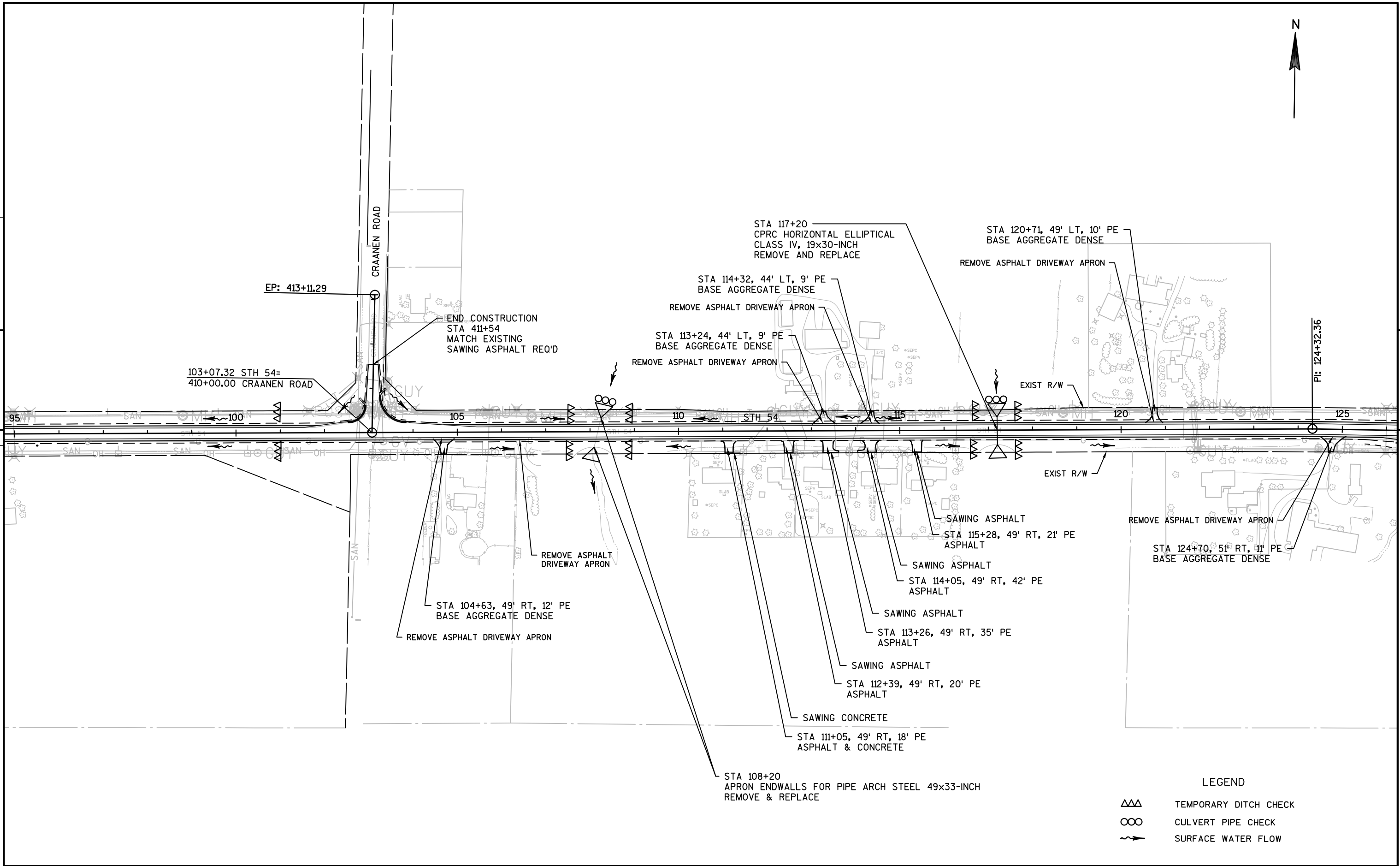
CATHY WELLIQUETTE LINDSAY
BROWN COUNTY RECORDER
GREEN BAY, WI
RECORDED ON
06/11/2015 12:01 PM
REC FEE: 25.00
EXEMPT #
PAGES: 1

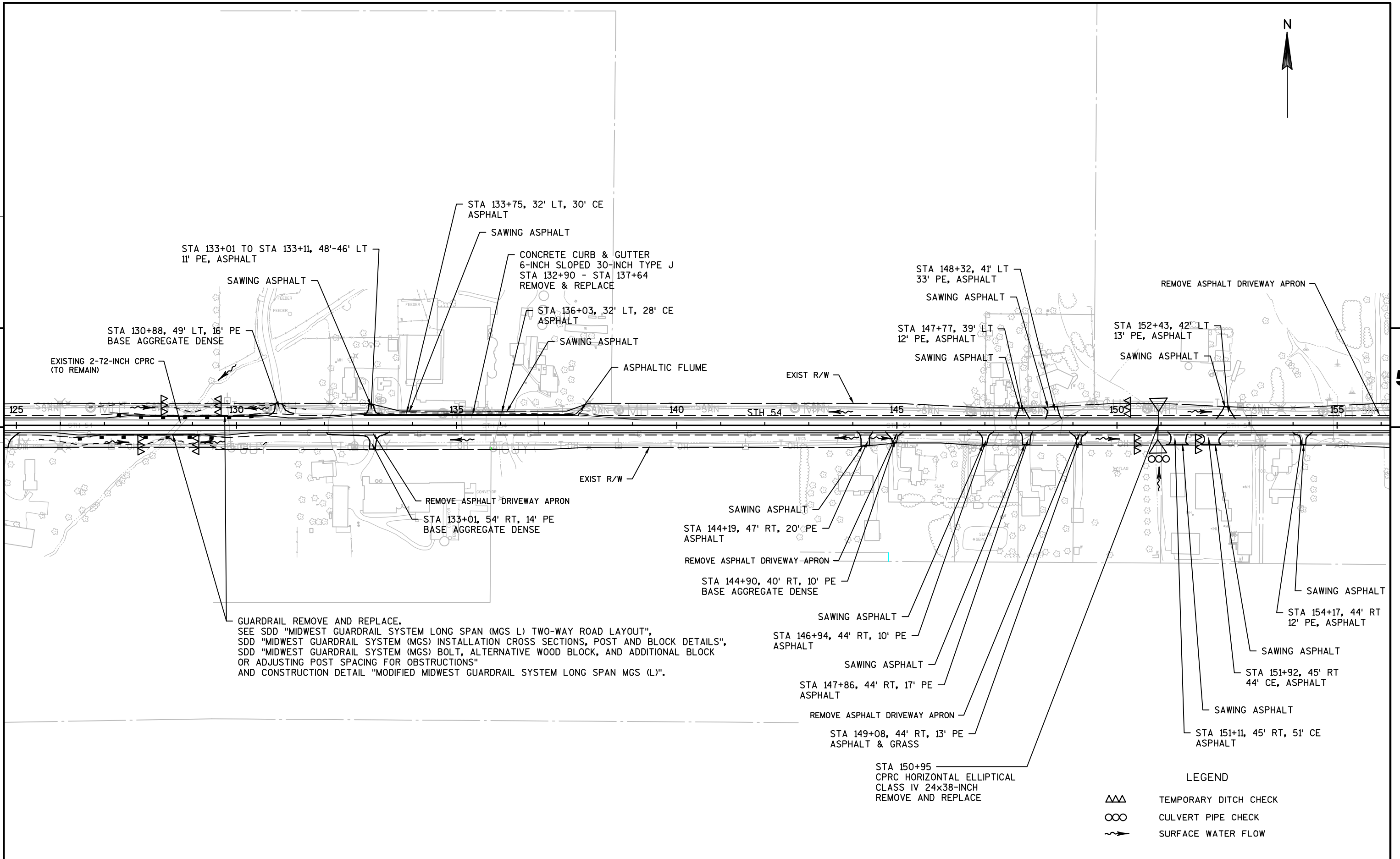
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PROJECT NUMBER 9210-13-22-4.01
AMENDMENT NO:...

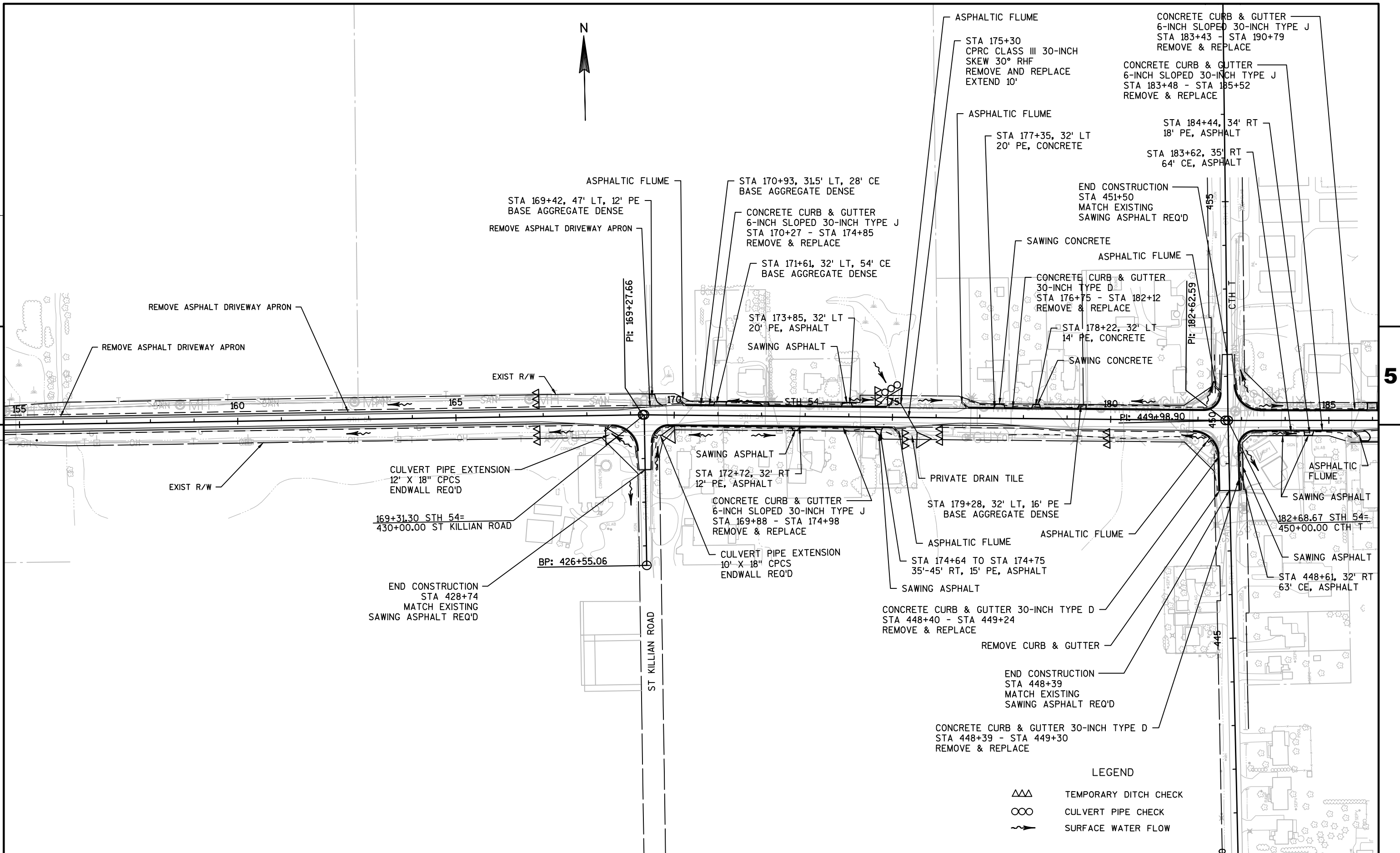
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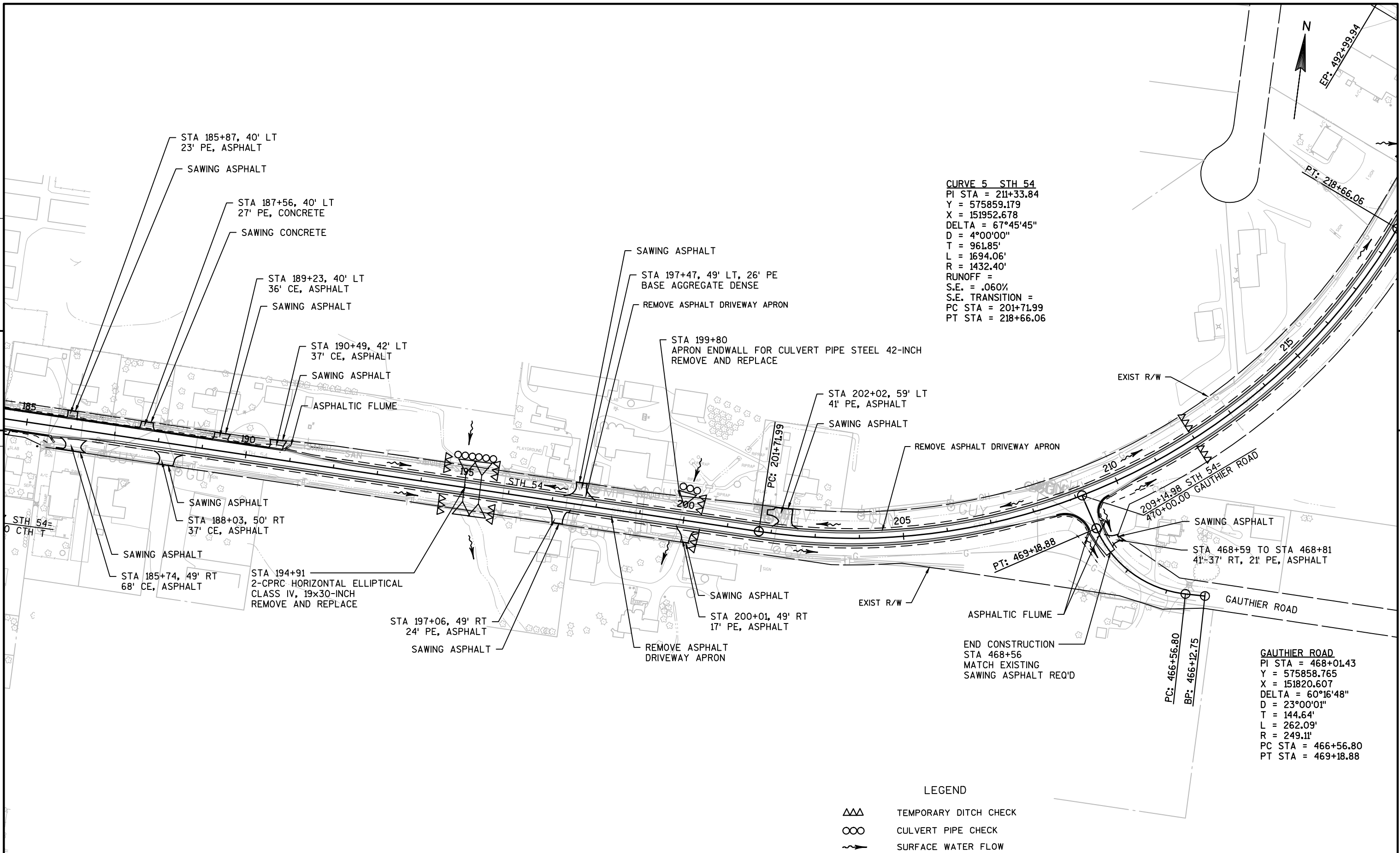
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GRAPHIC SCALE, FEET

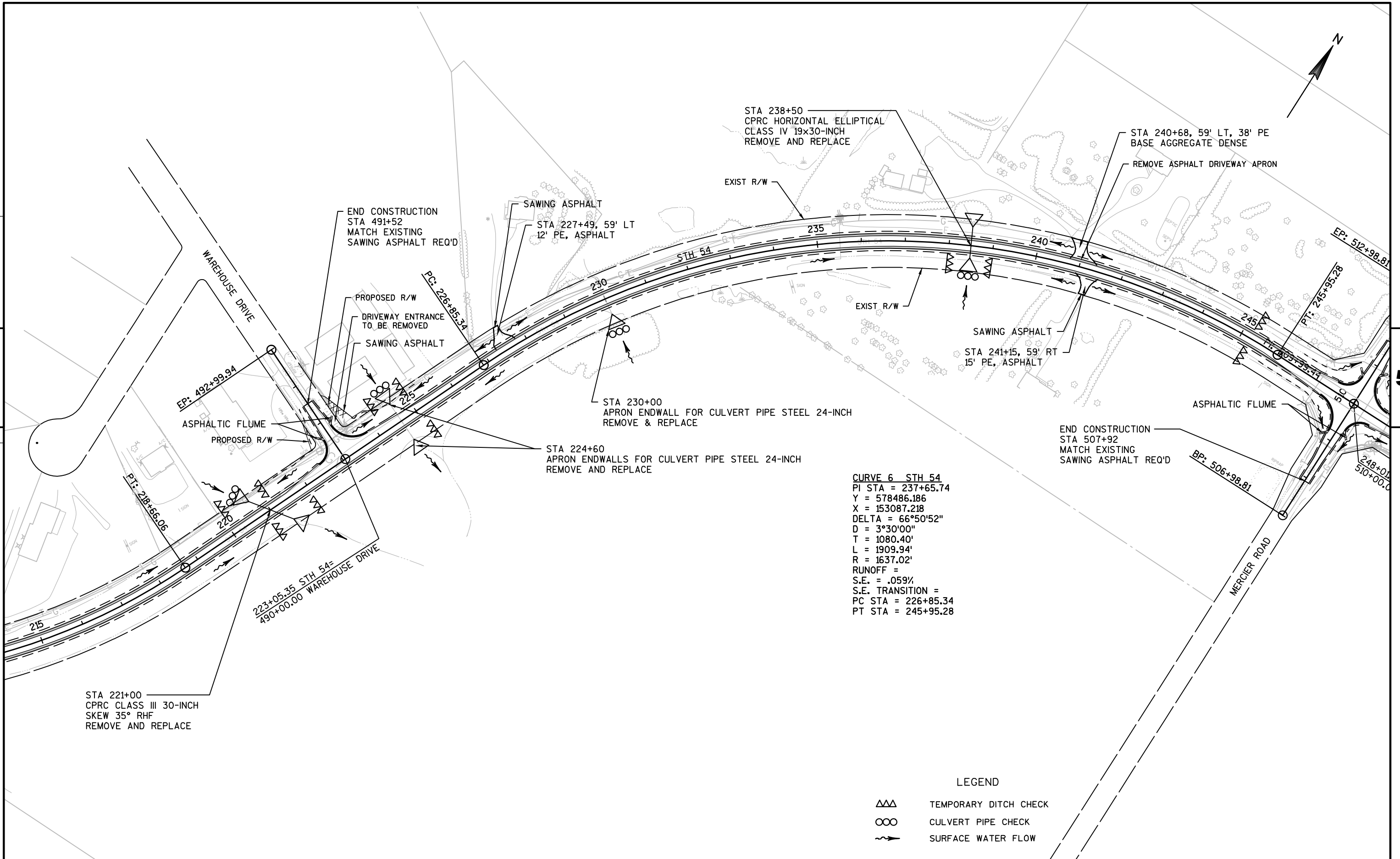


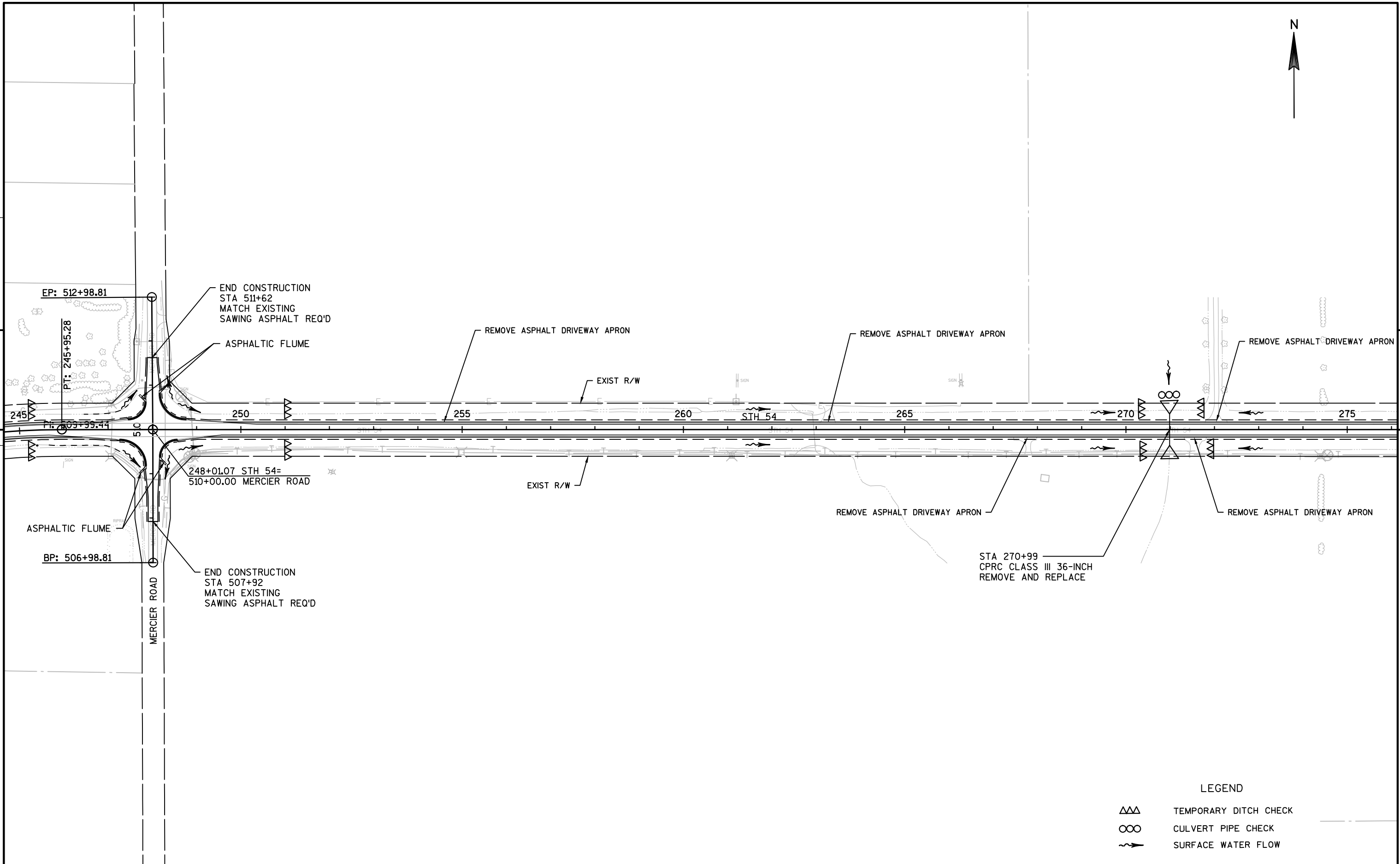










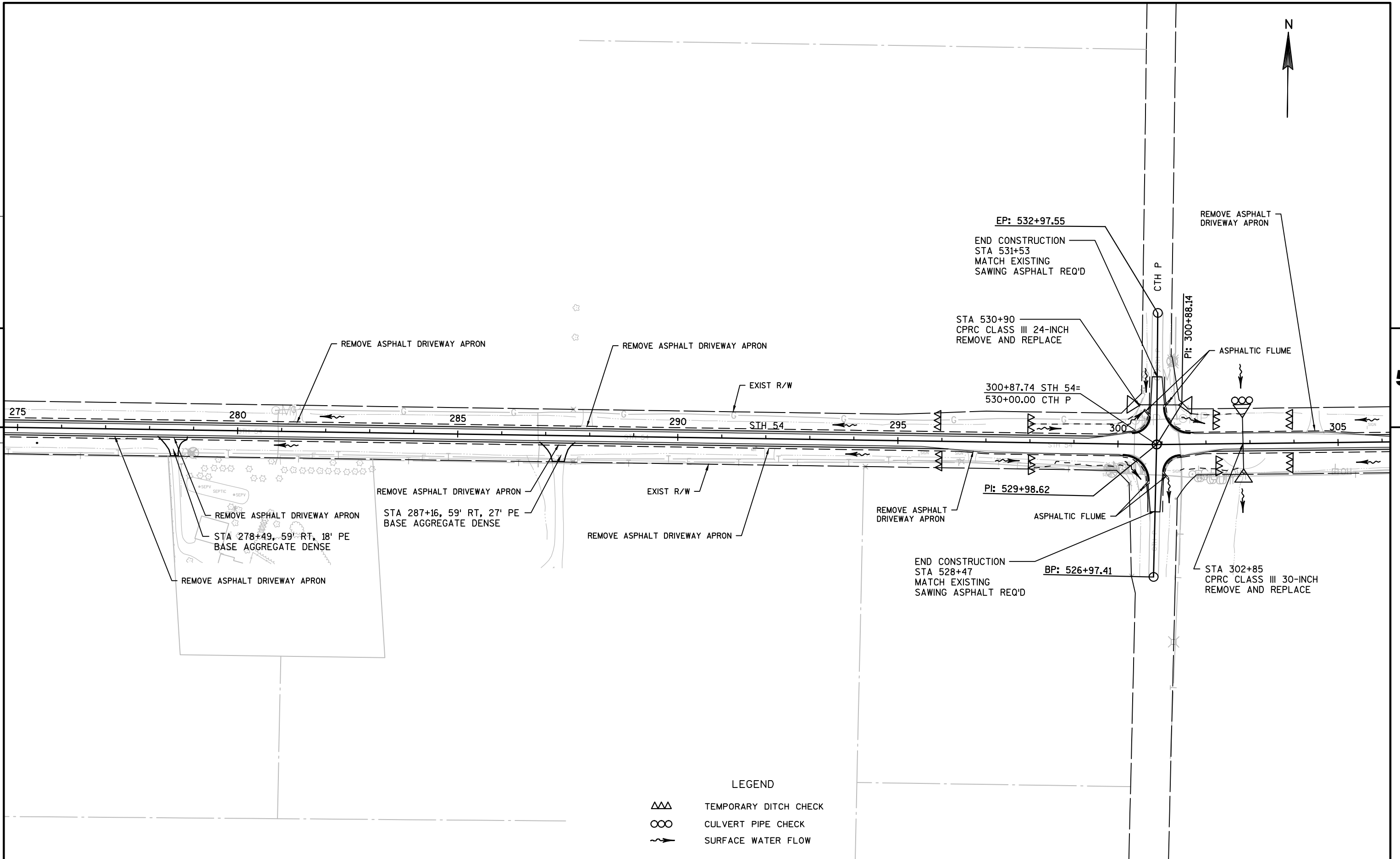


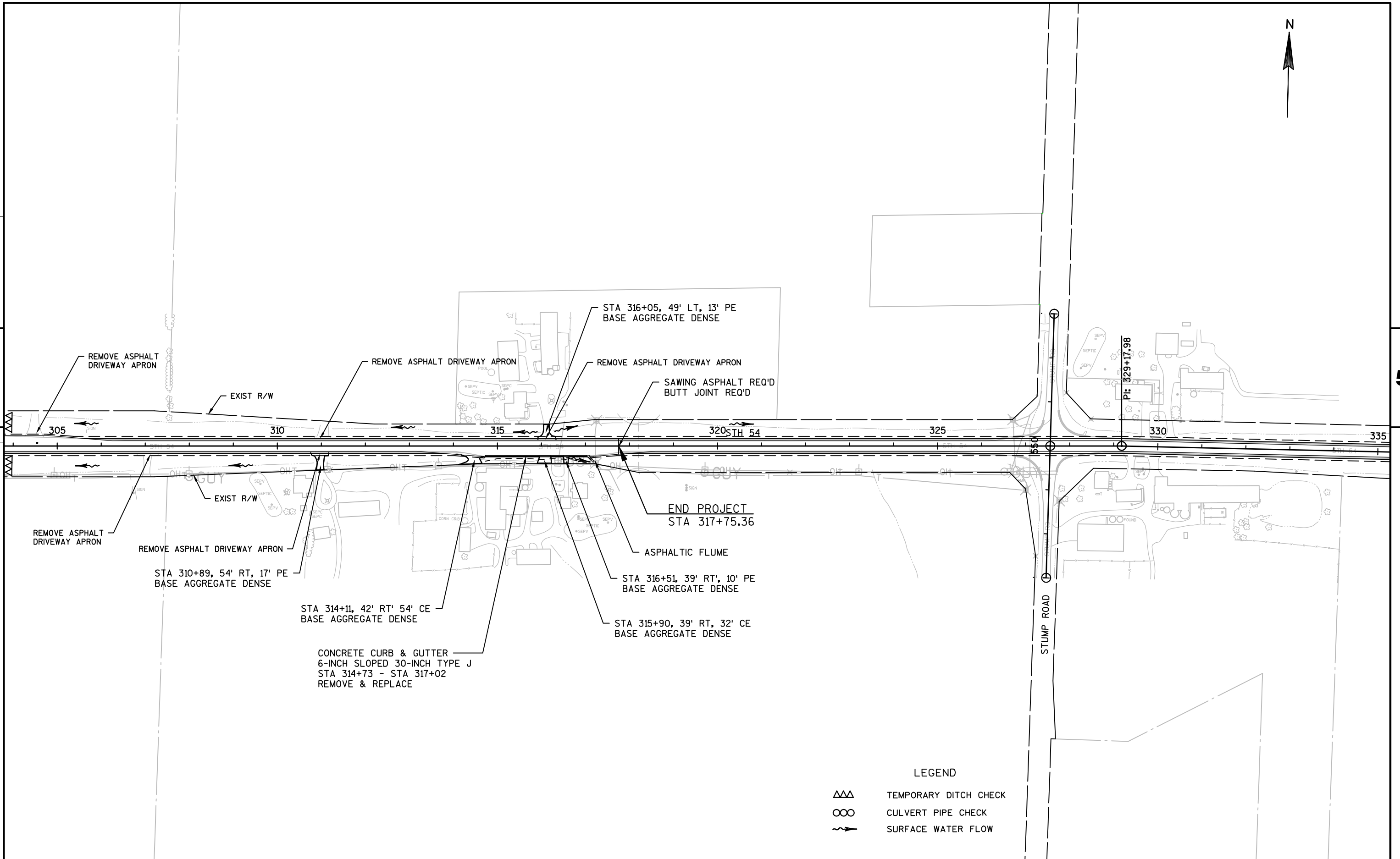
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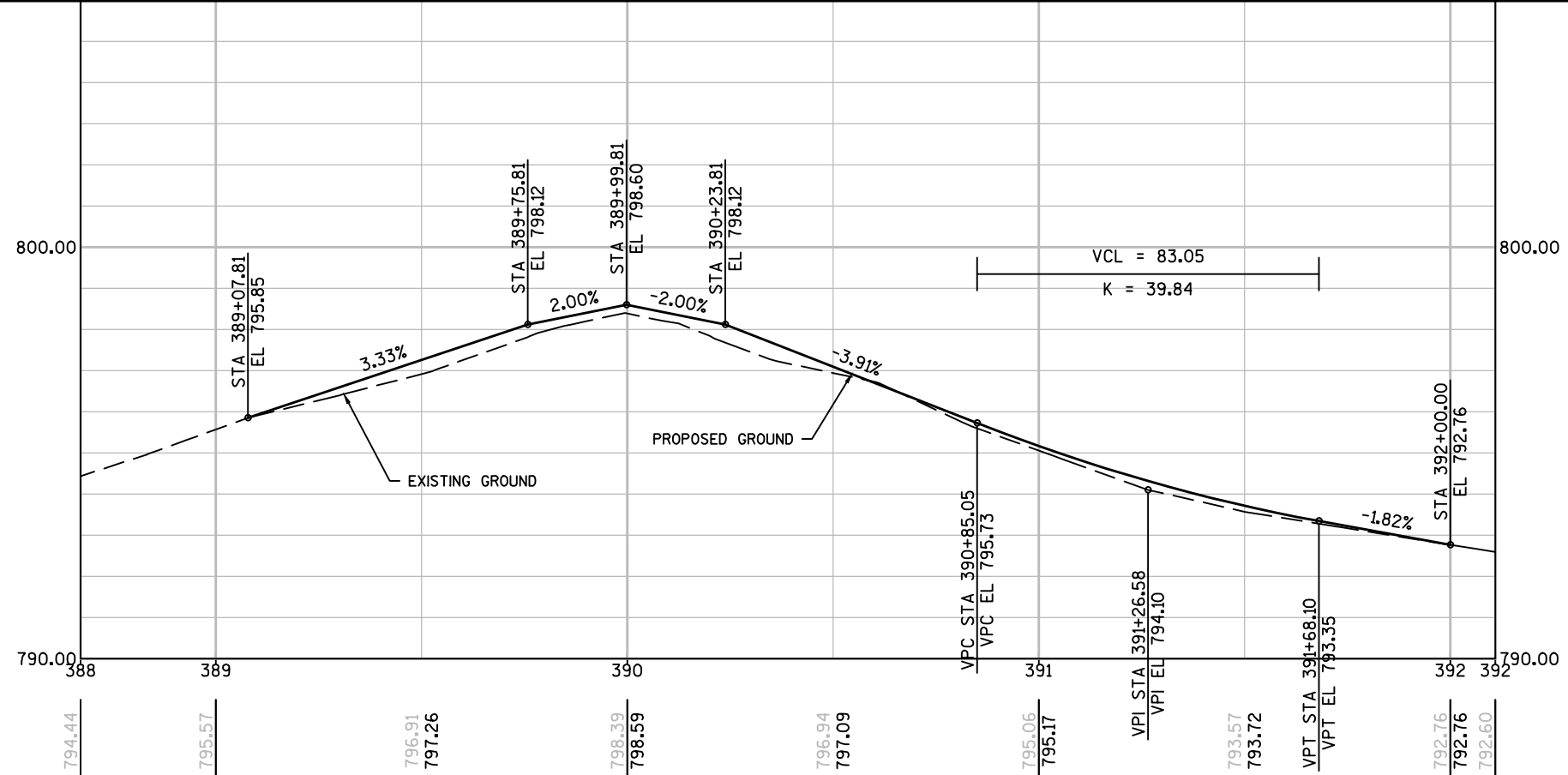
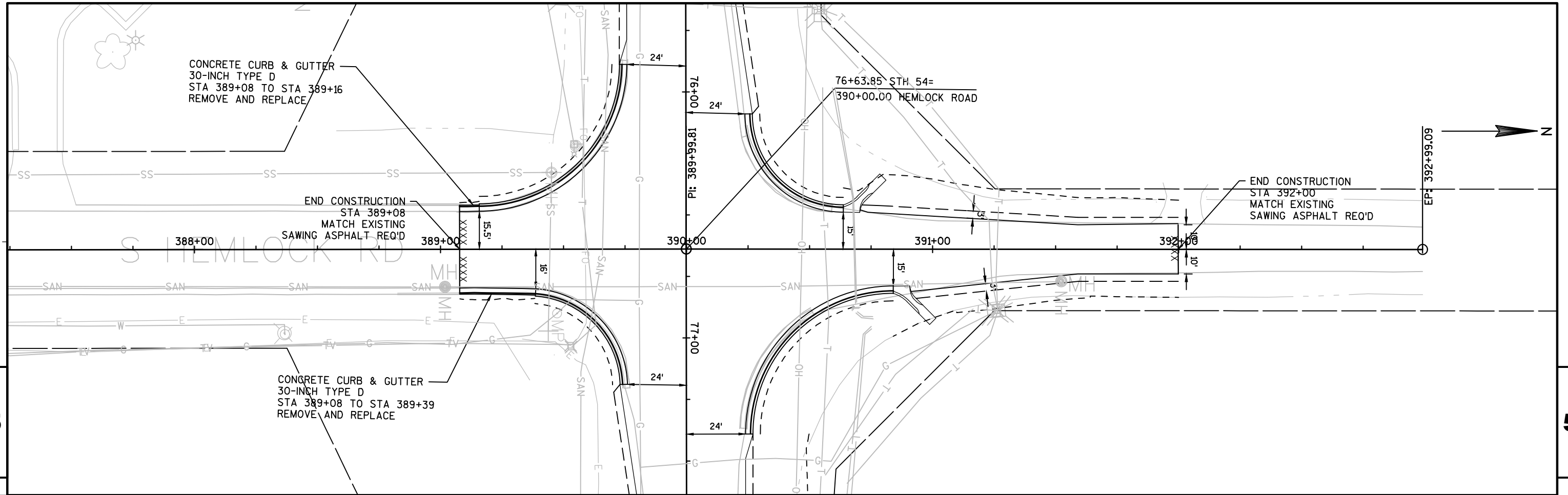
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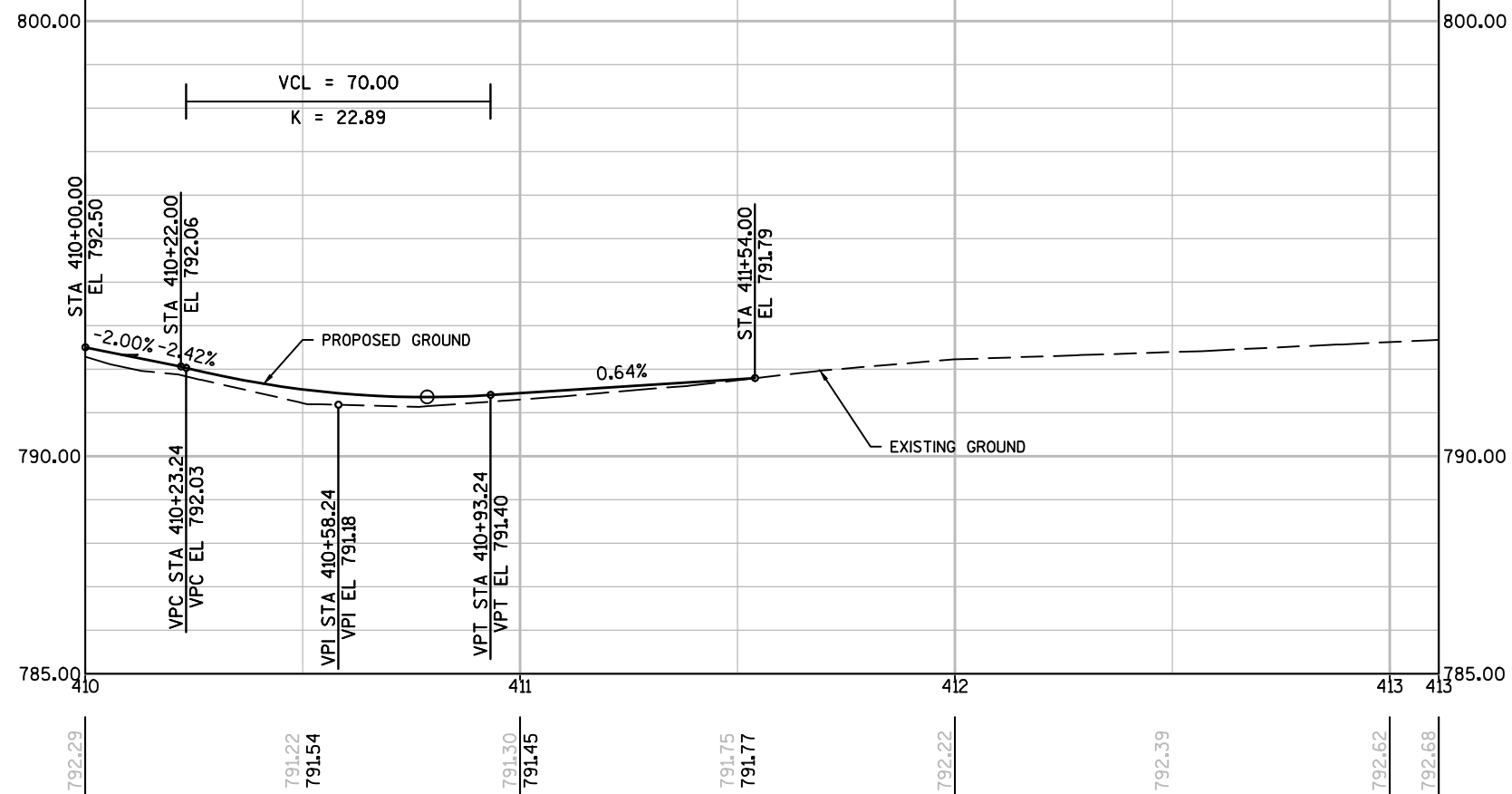
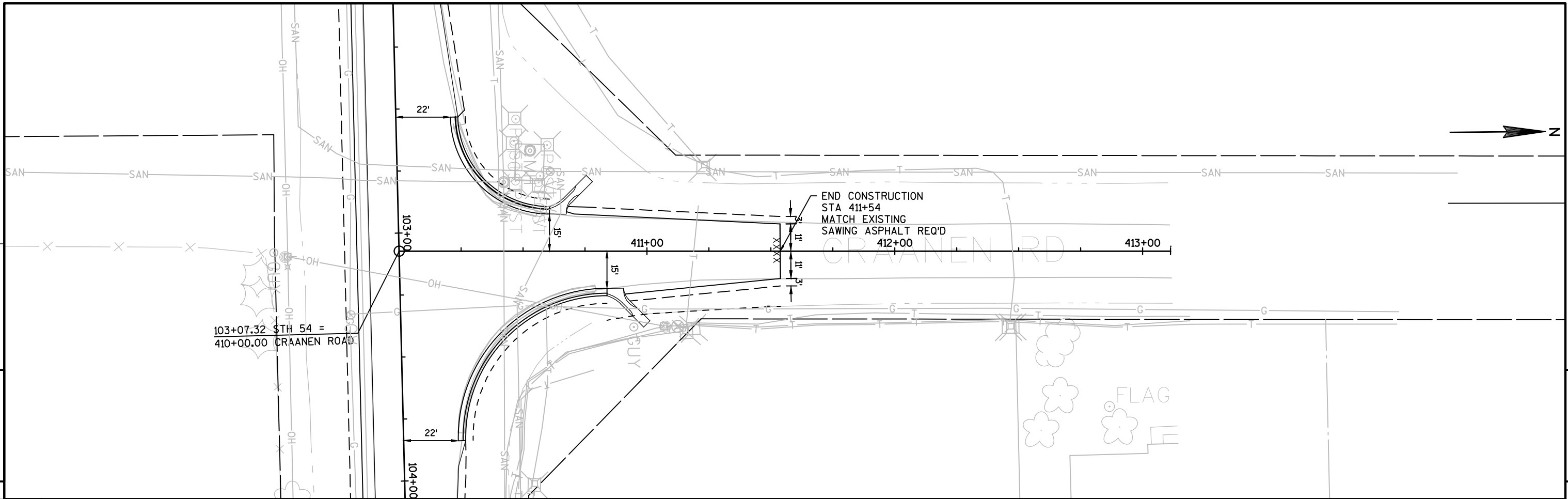
LEGEND

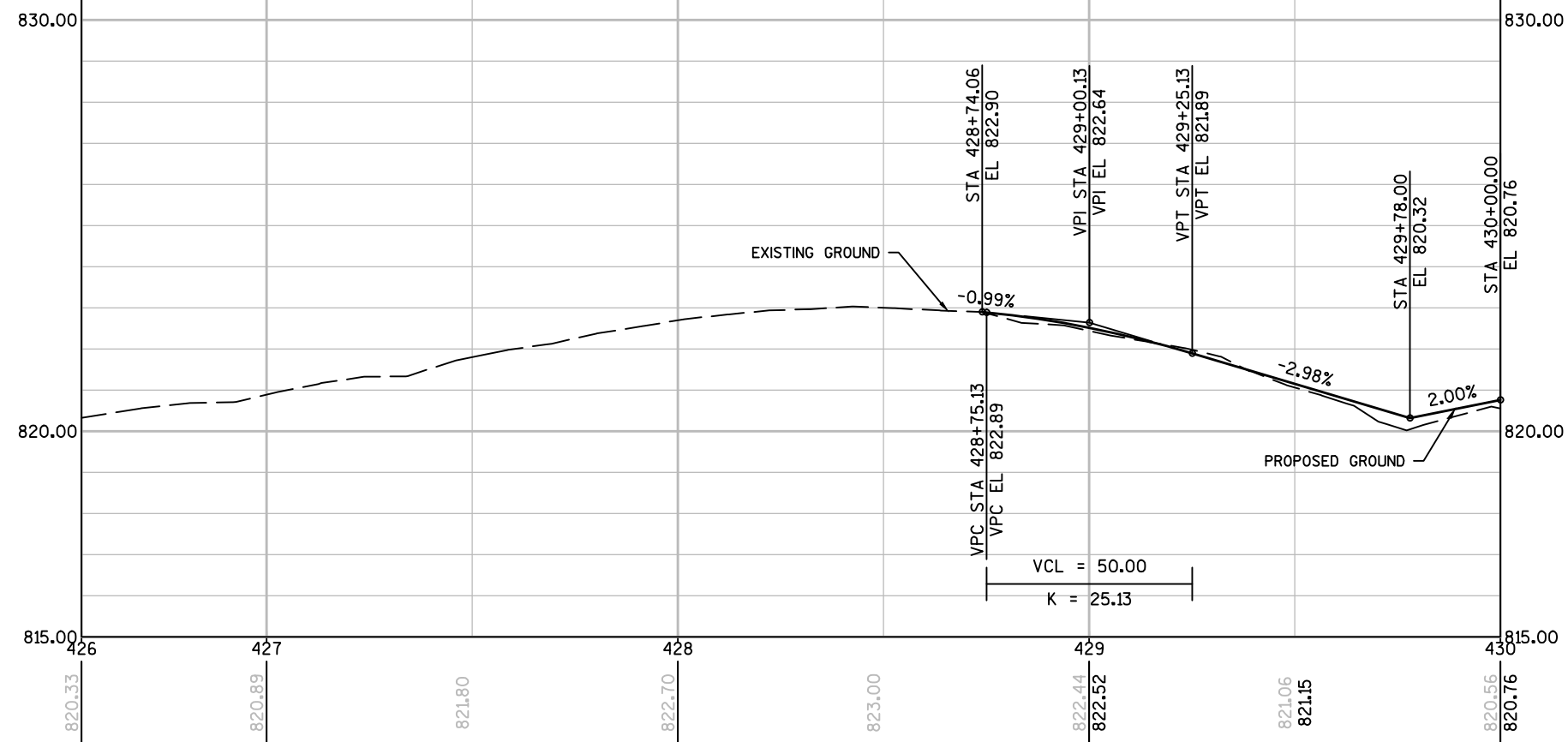
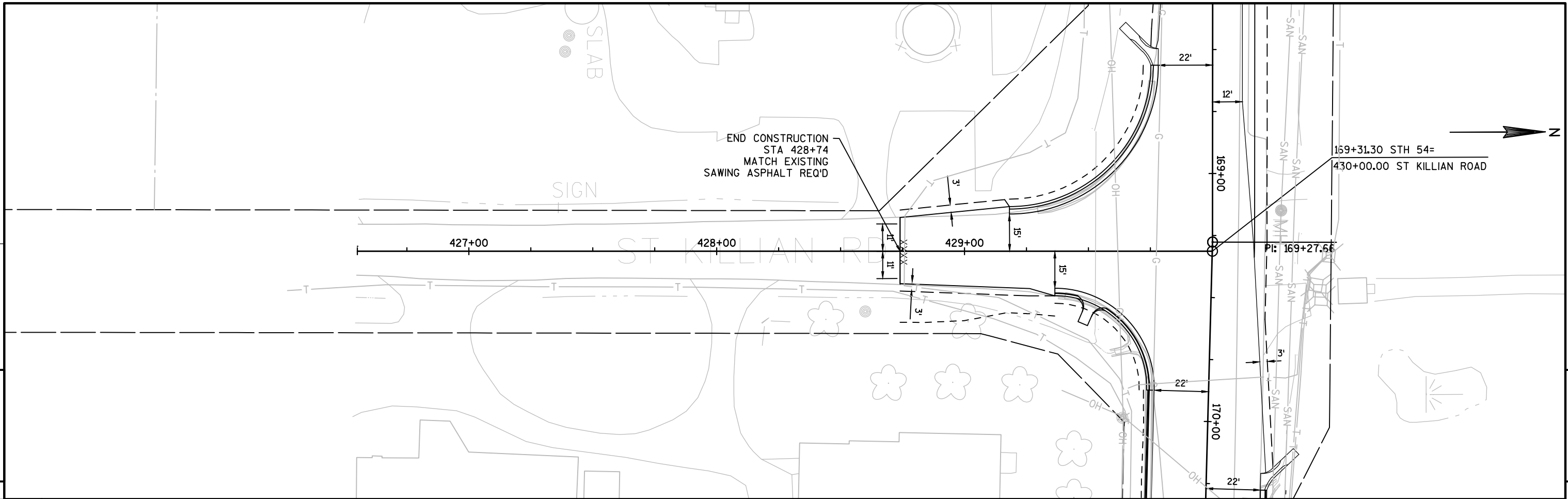
- △△△ TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- ~> SURFACE WATER FLOW

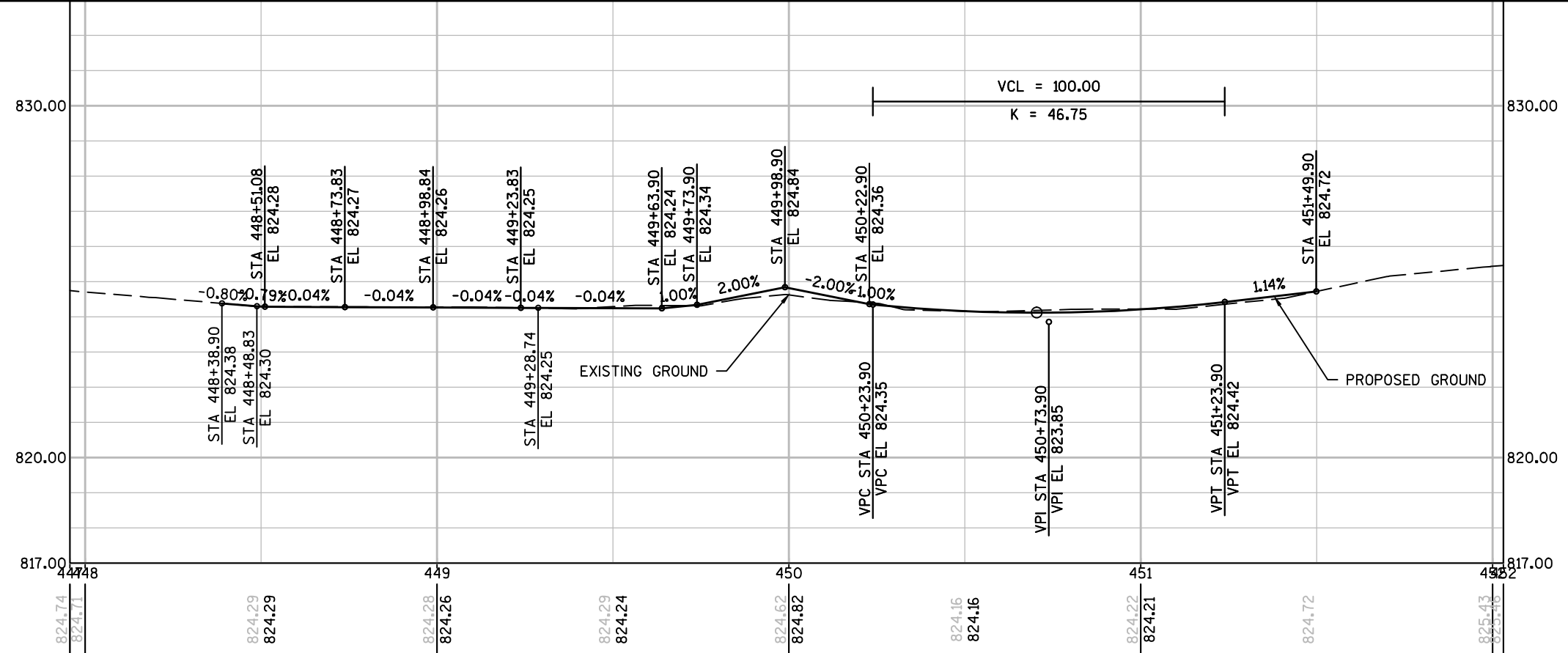
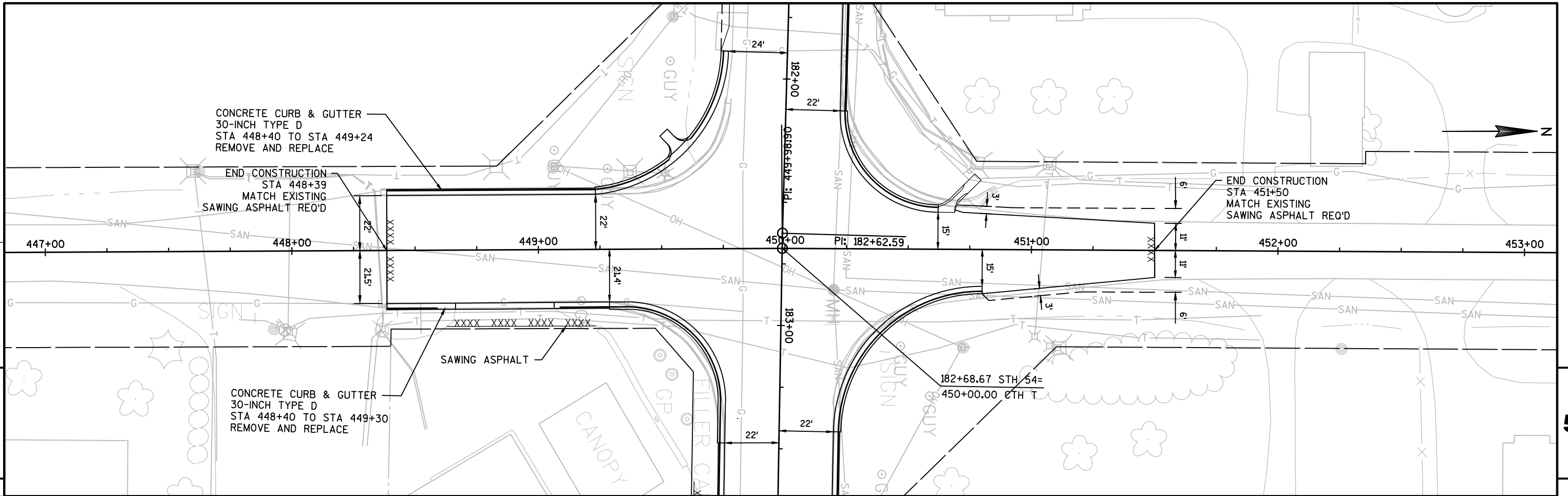


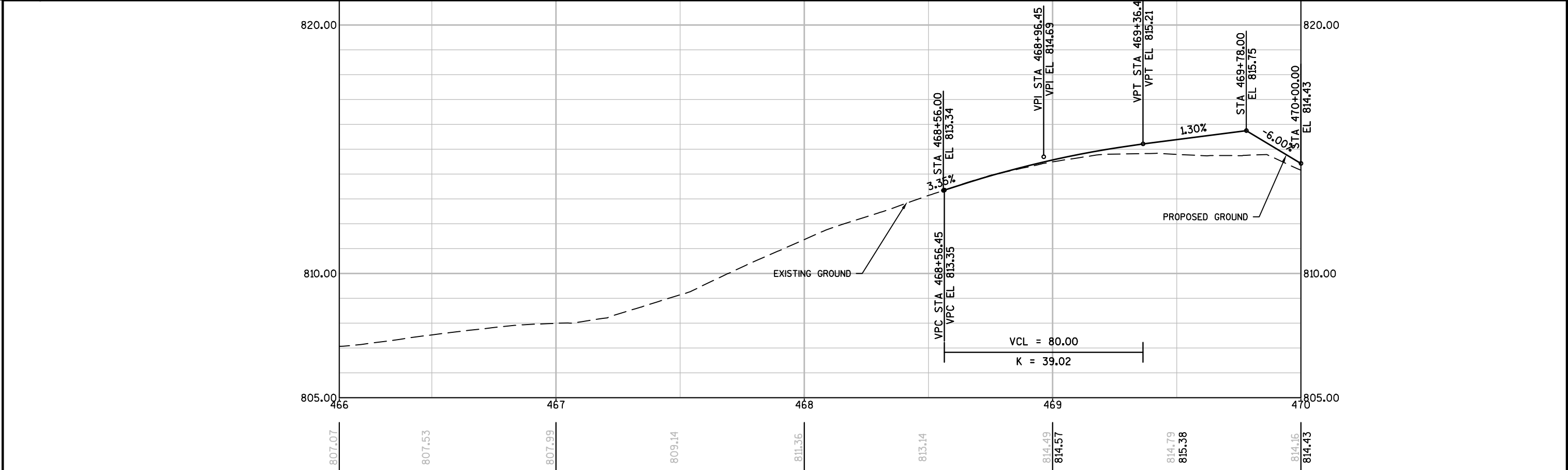
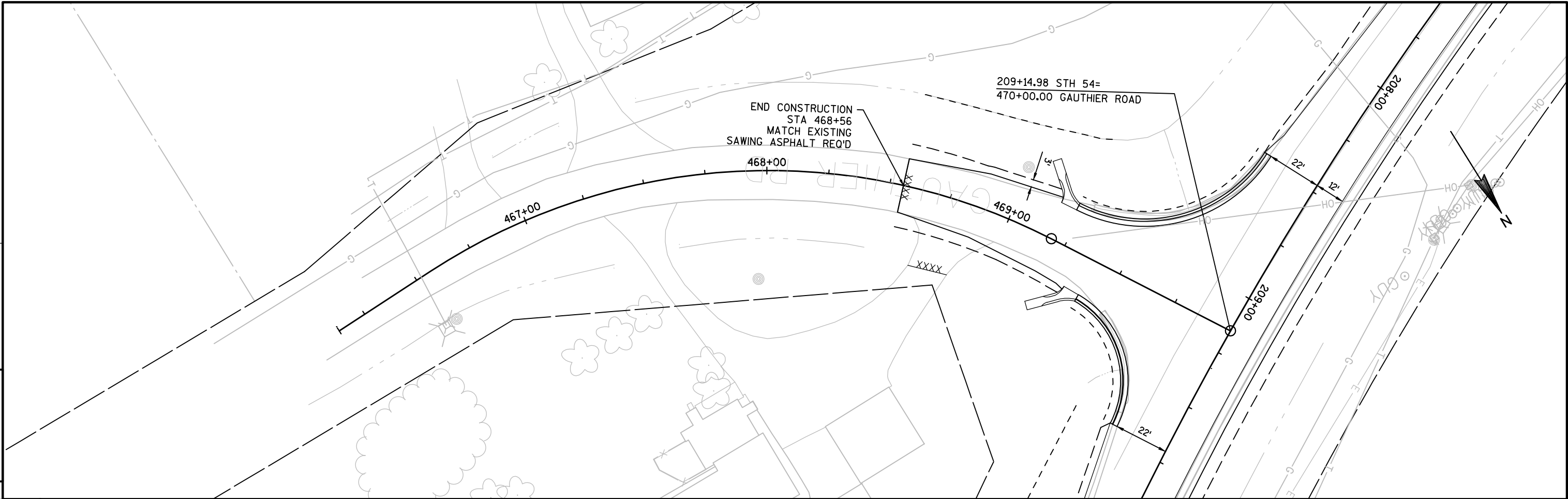




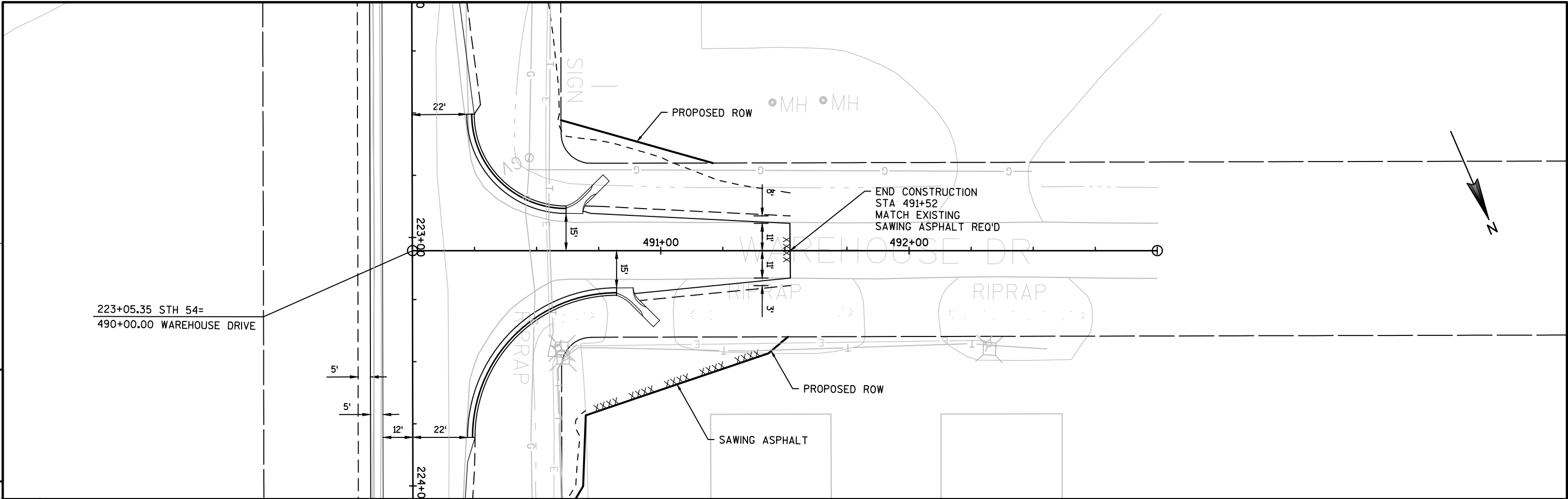




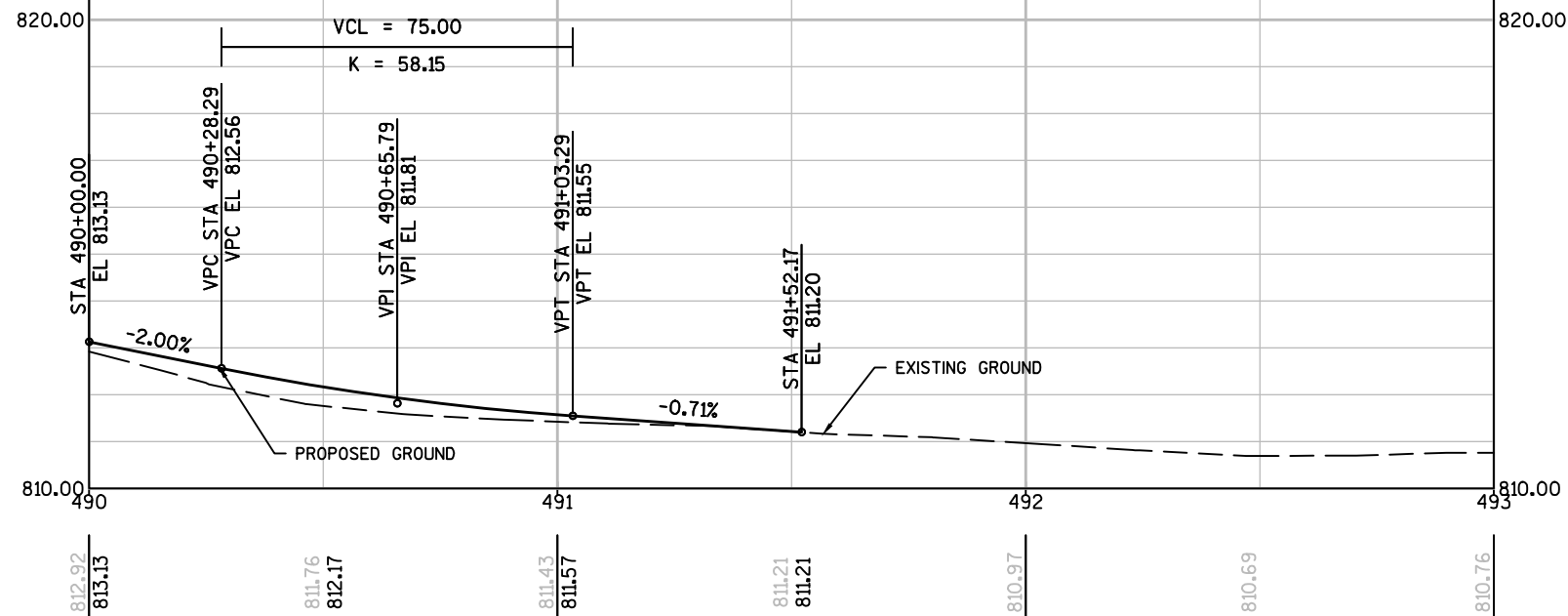




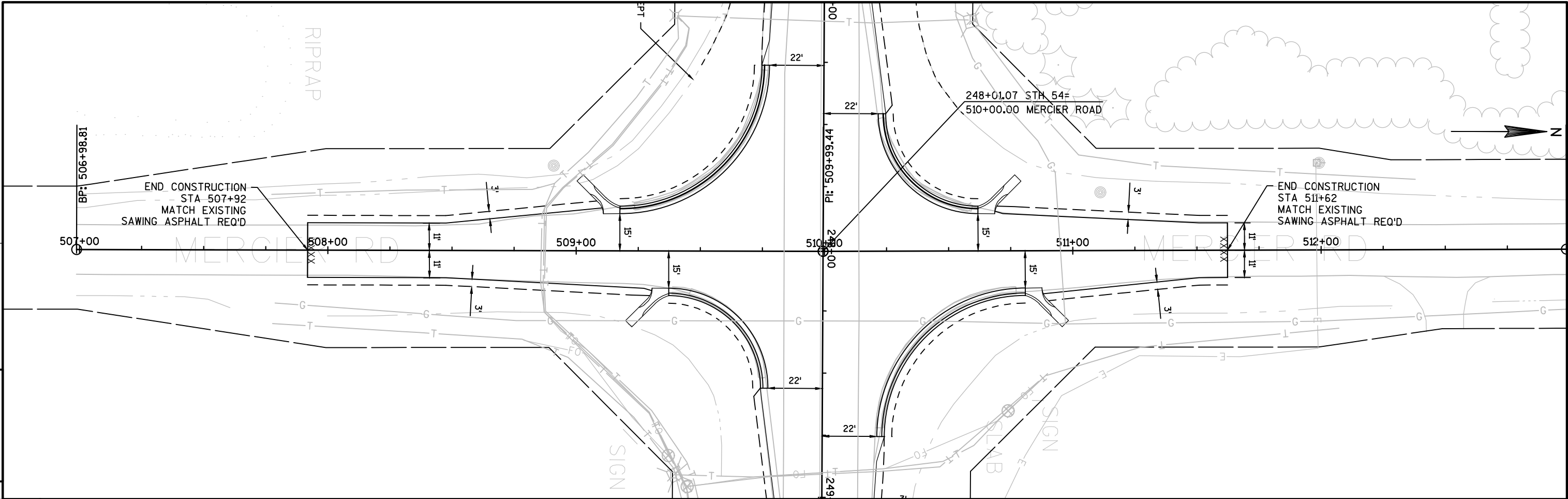
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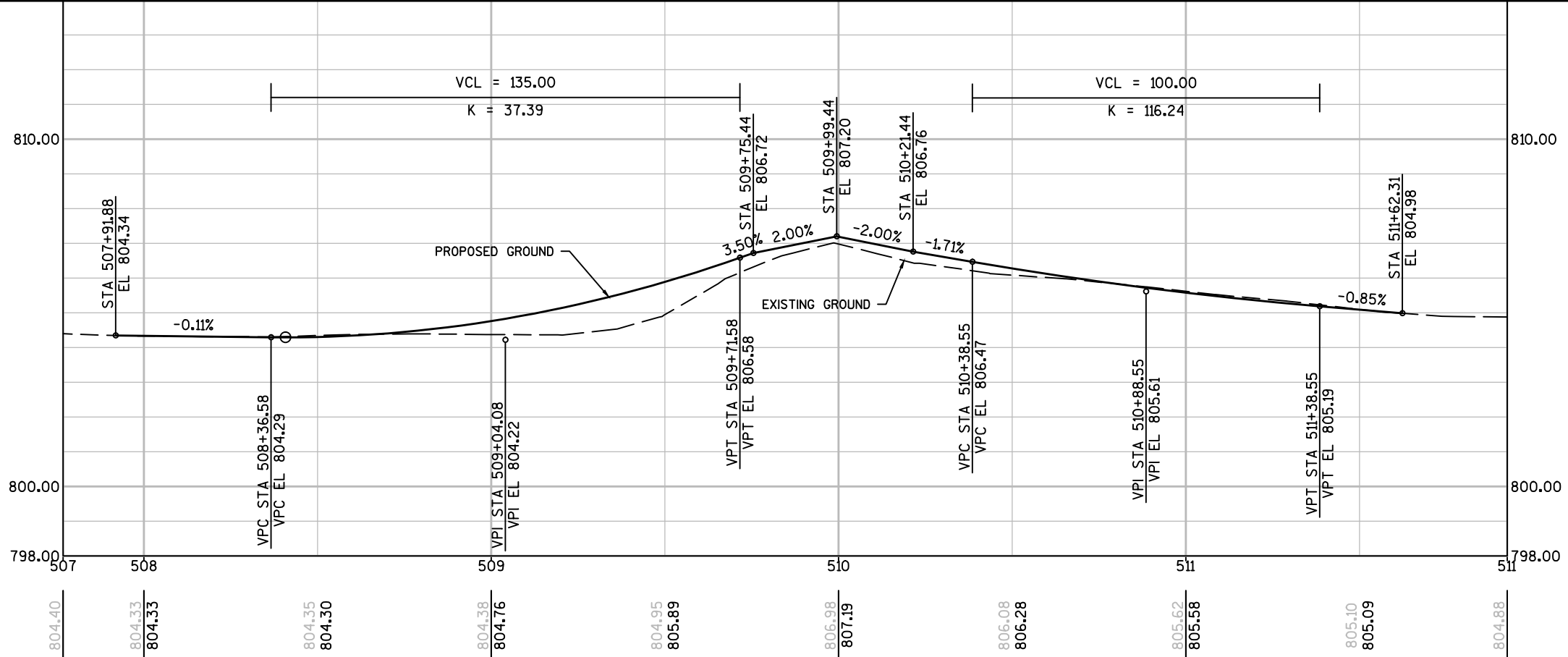
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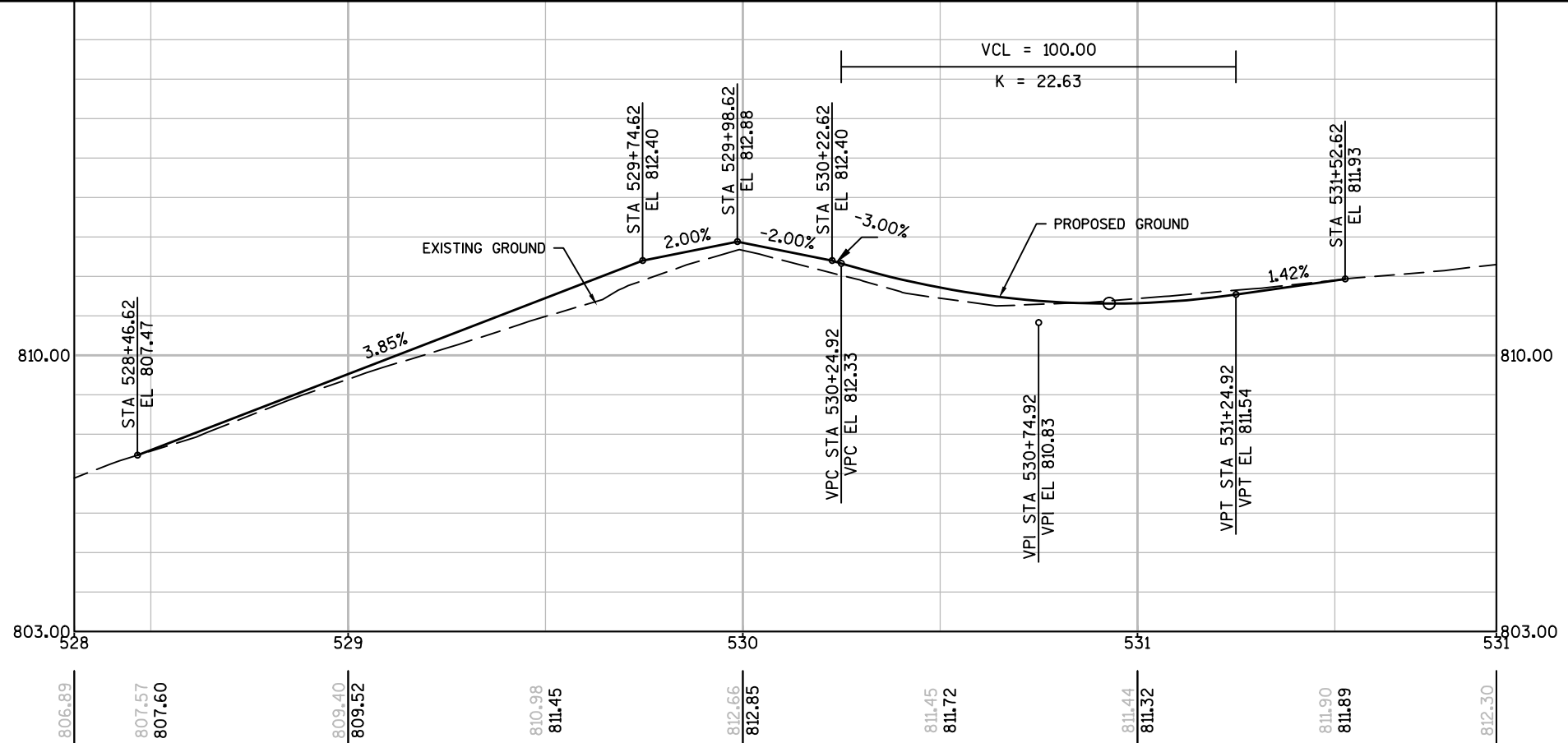
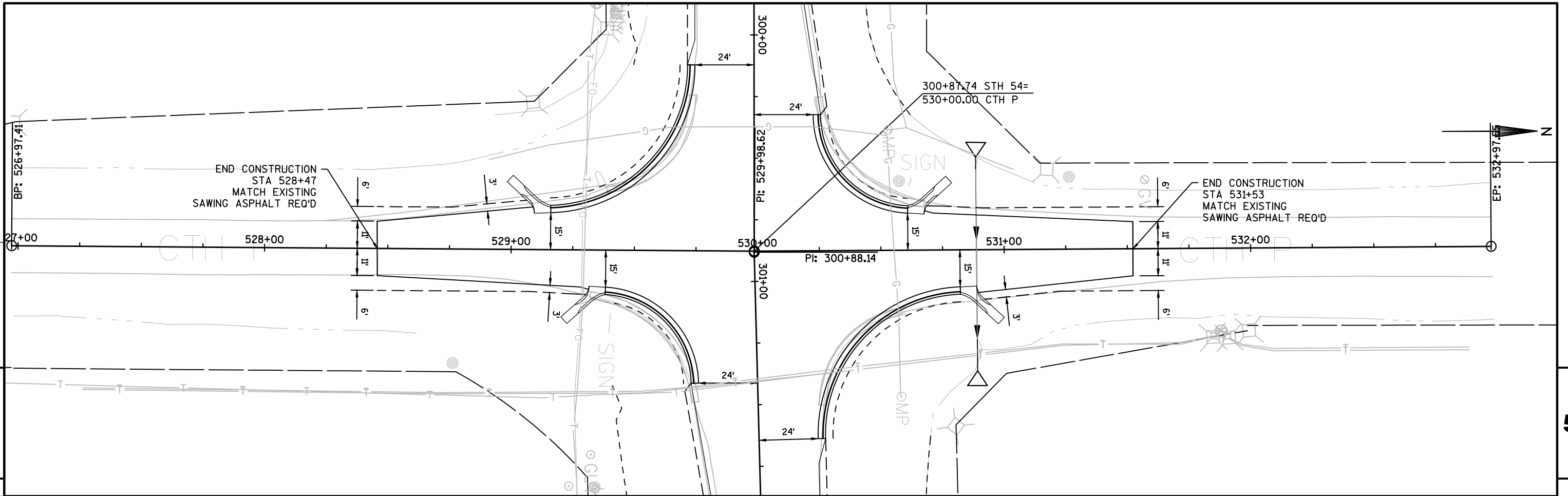


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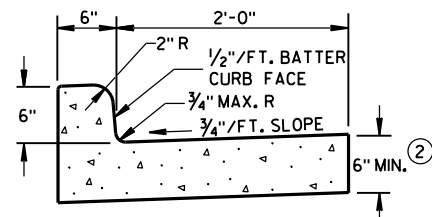
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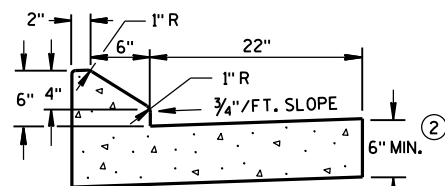


Standard Detail Drawing List

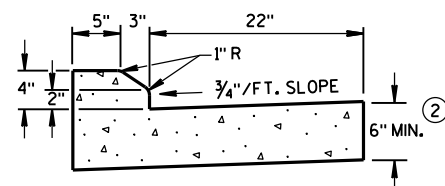
08D01-18	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
11B02-02	CONCRETE MEDIAN NOSE
13A10-01A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C09-13A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-13C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
14B28-03	GUARDRAIL MOW STRIP
14B42-03A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-03C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-03A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-03C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-02A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-02C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-12A	PAVEMENT MARKING SYMBOLS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH



TYPES A & D ①

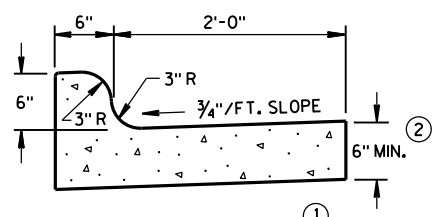


6" SLOPED CURB TYPES G & J ①



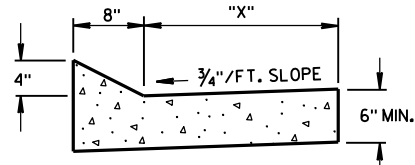
4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"



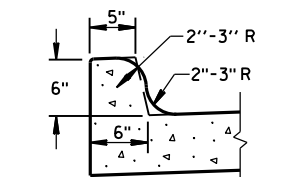
TYPES K & L ①

CONCRETE CURB & GUTTER 30"

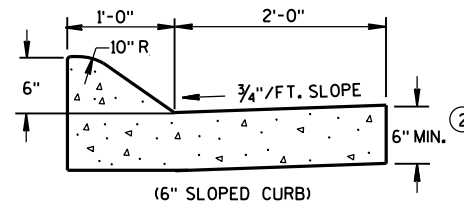


TYPES TBT & TBT
CONCRETE CURB & GUTTER

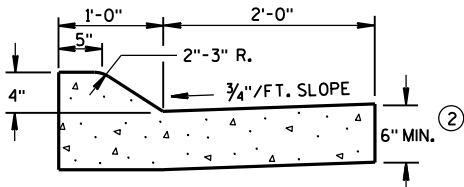
TBT & TBT	"X"
30"	22"
36"	28"



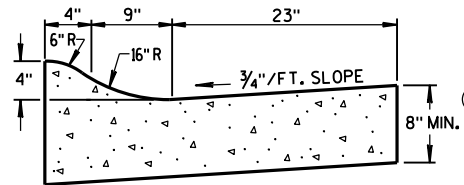
OPTIONAL CURB SHAPE
FOR TYPES K & L ①



(6" SLOPED CURB)

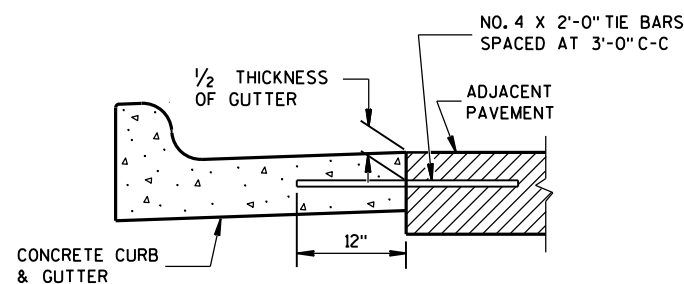


TYPES A & D ①

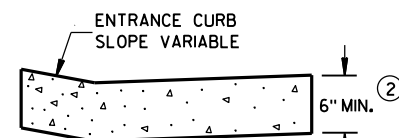


4" SLOPED CURB TYPES R & T ① ④

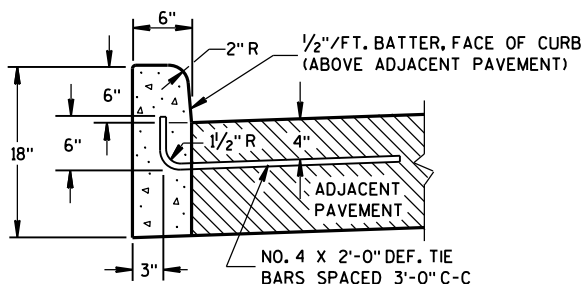
CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION ①

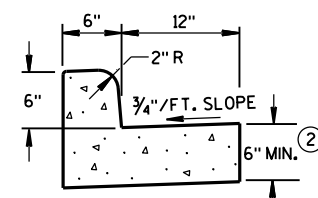


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

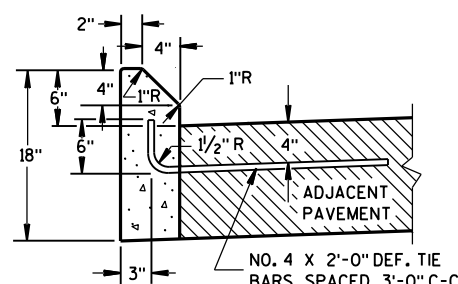


TYPES A & D ①

CONCRETE CURB



TYPES A & D
CONCRETE CURB & GUTTER 18"



TYPES G & J ①

GENERAL NOTES

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

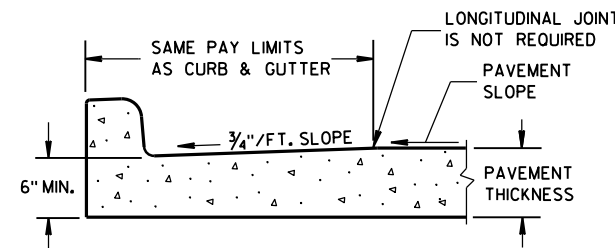
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

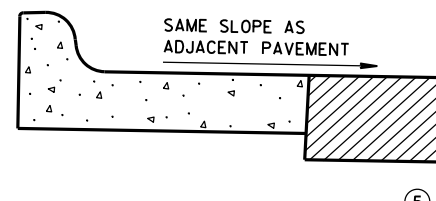
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

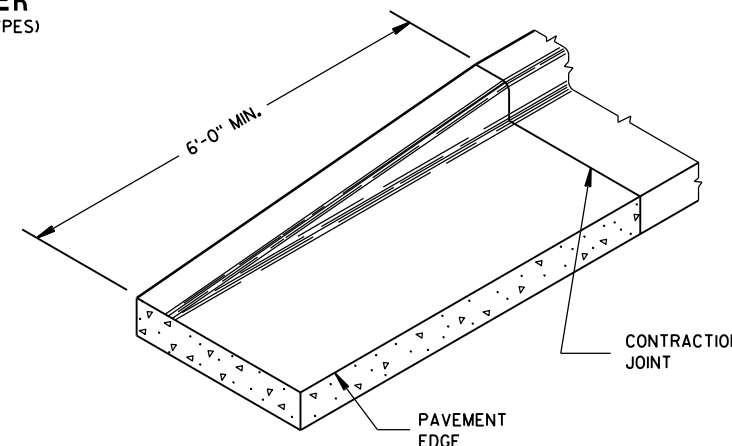
- TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBT.
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



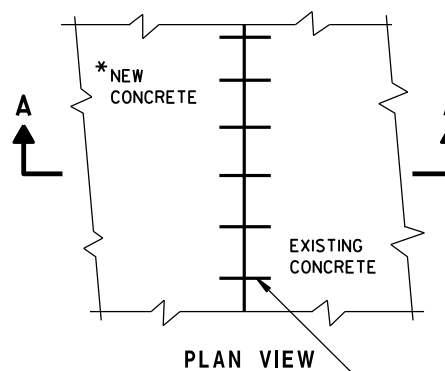
PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



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



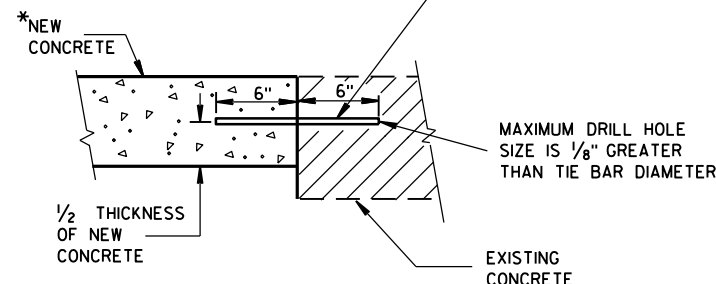
END SECTION CURB & GUTTER



PLAN VIEW

*NEW CURB & GUTTER,
SURFACE DRAINS,
CONCRETE PAVEMENT
OR OTHER NEW CONCRETE.

NO. 6 TIE BARS SPACED 2'-6" C-C,
INSTALLED PERPENDICULAR
TO THE LONGITUDINAL JOINT.



SECTION A-A
TIE BARS DRILLED
INTO EXISTING PAVEMENT

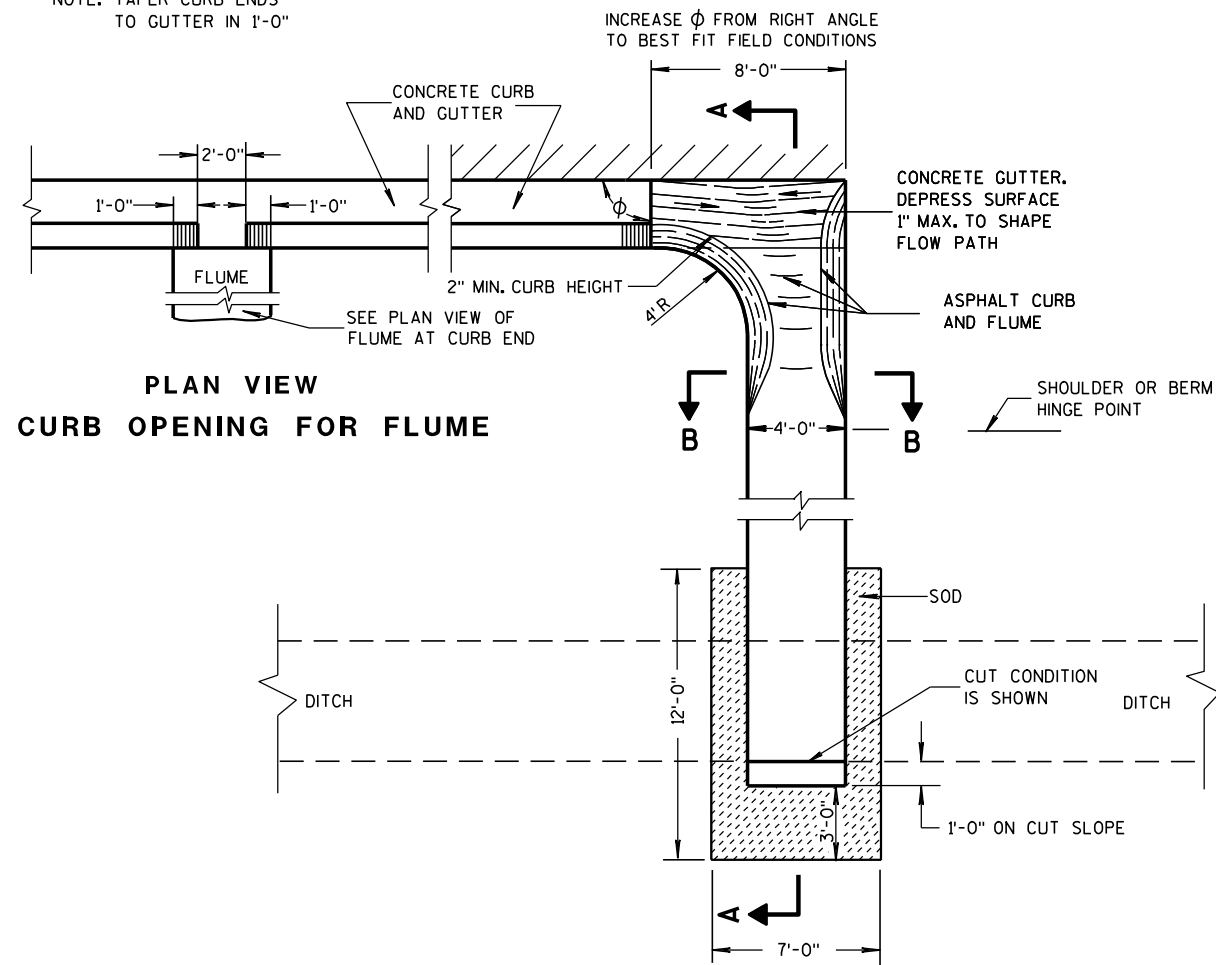
CONCRETE CURB, CONCRETE
CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 /S/ Jerry H. Zogg
DATE ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA

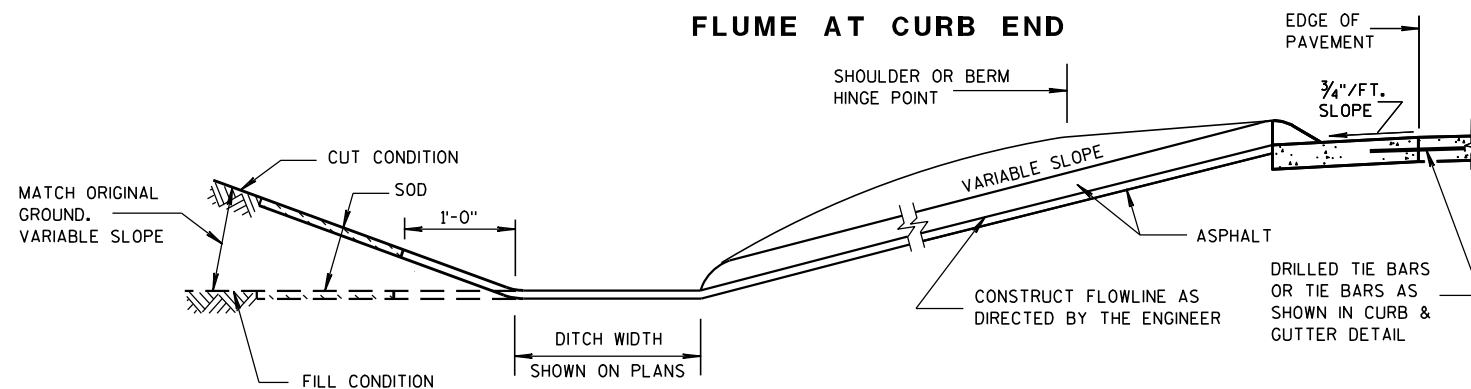
ASPHALTIC FLUME

NOTE: TAPER CURB ENDS
TO GUTTER IN 1'-0"

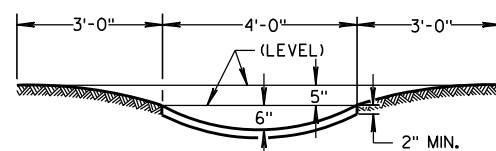


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

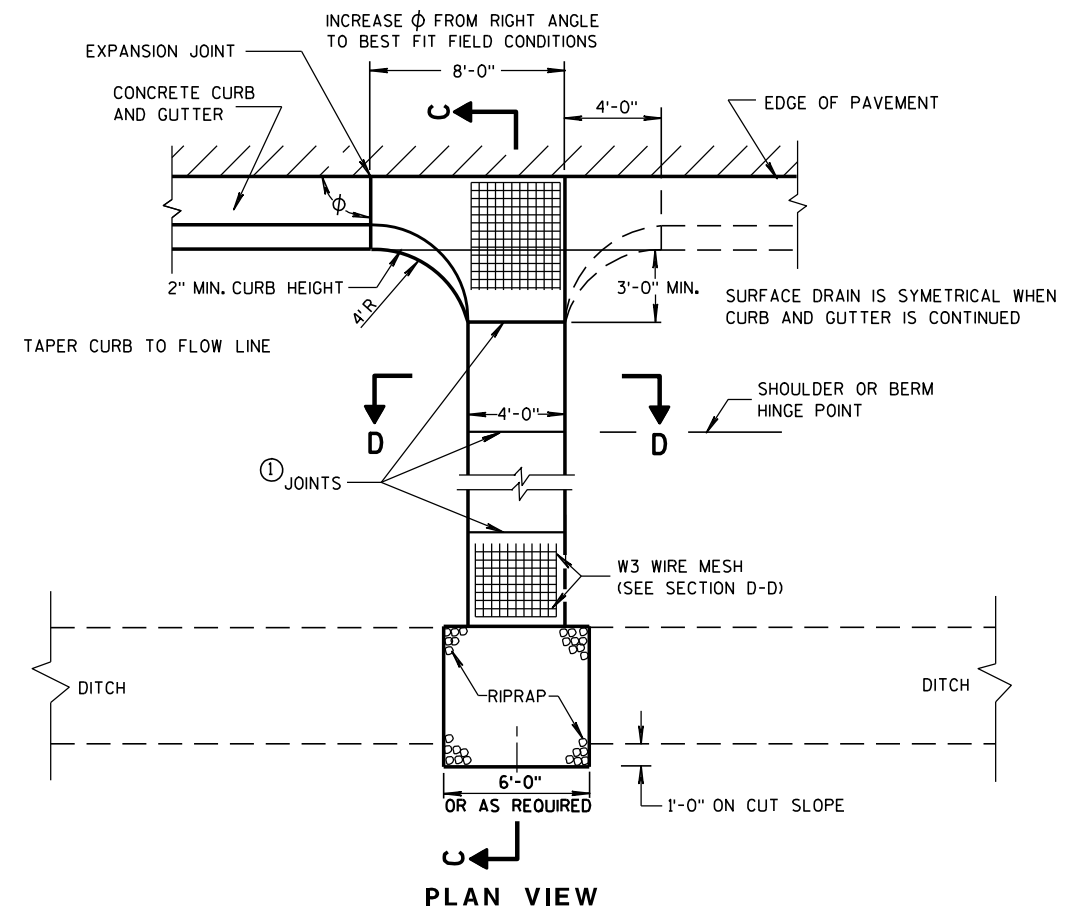
GENERAL NOTES

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

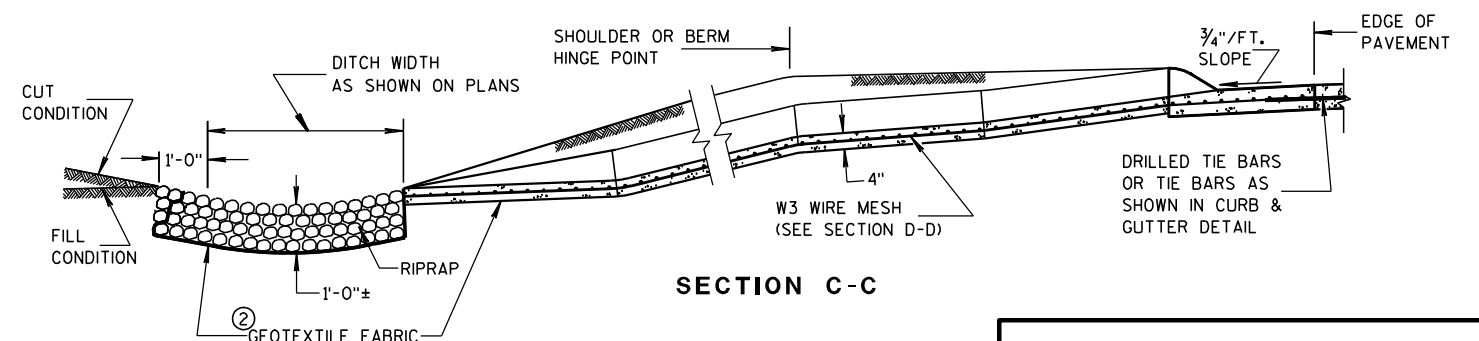
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

- JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
- GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
- CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

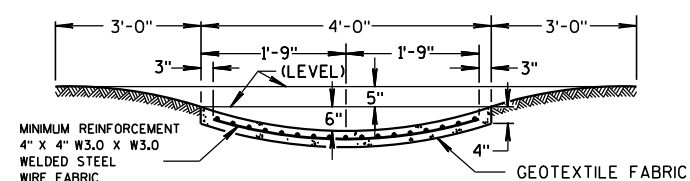
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

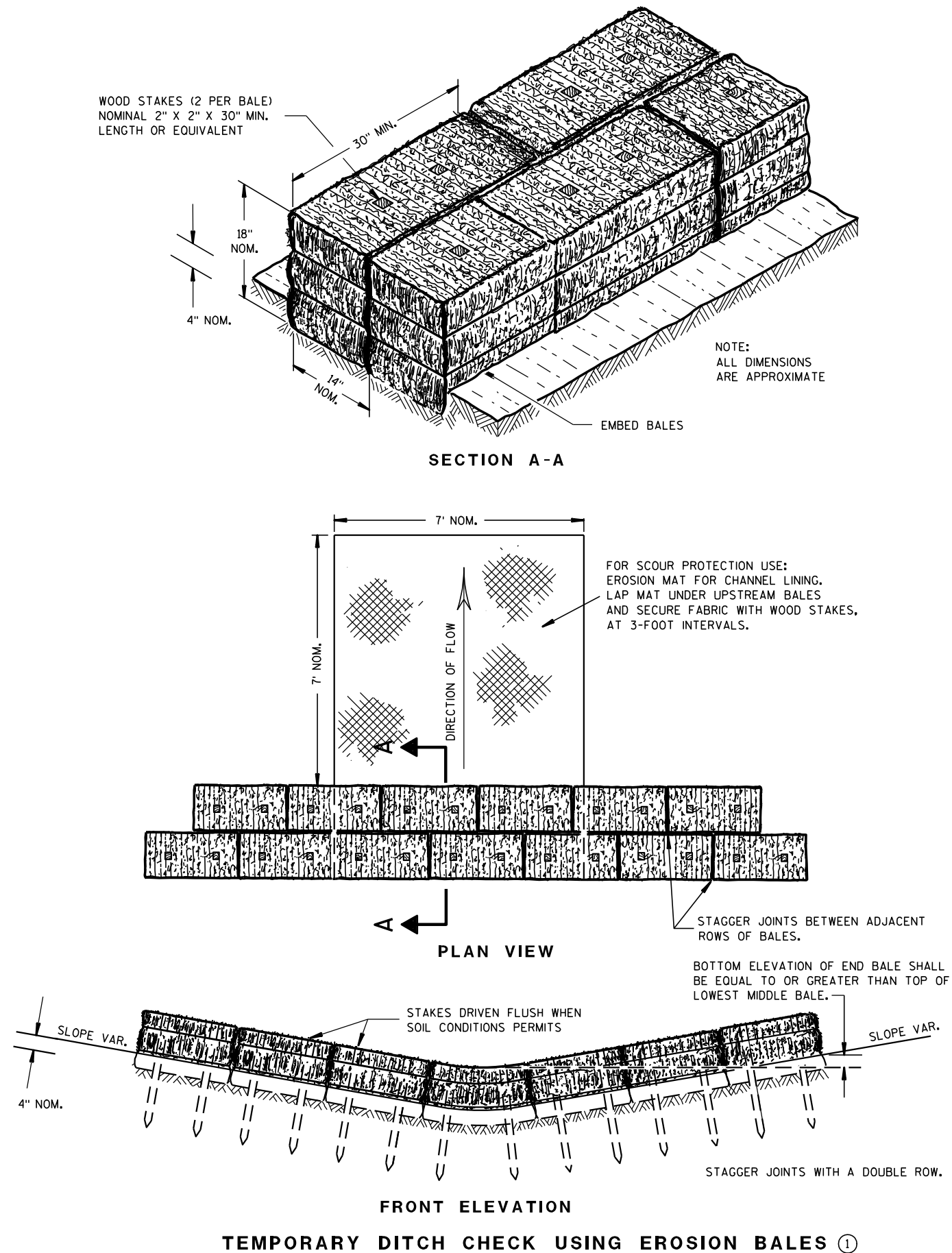
APPROVED

9-4-08

DATE

FHWA

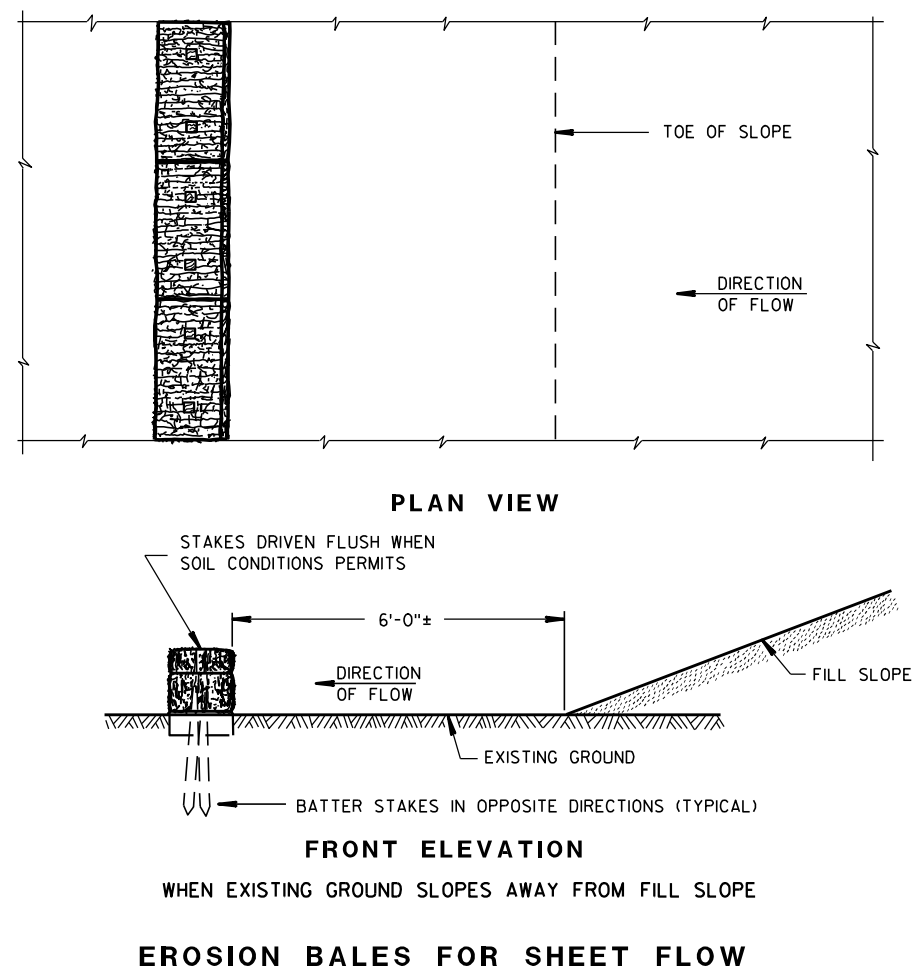
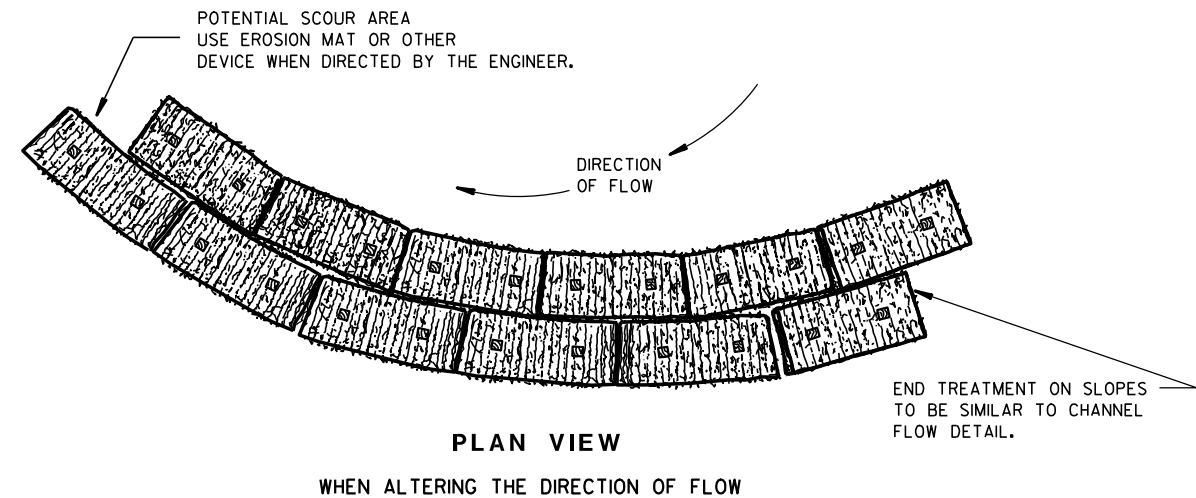
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



GENERAL NOTES

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

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

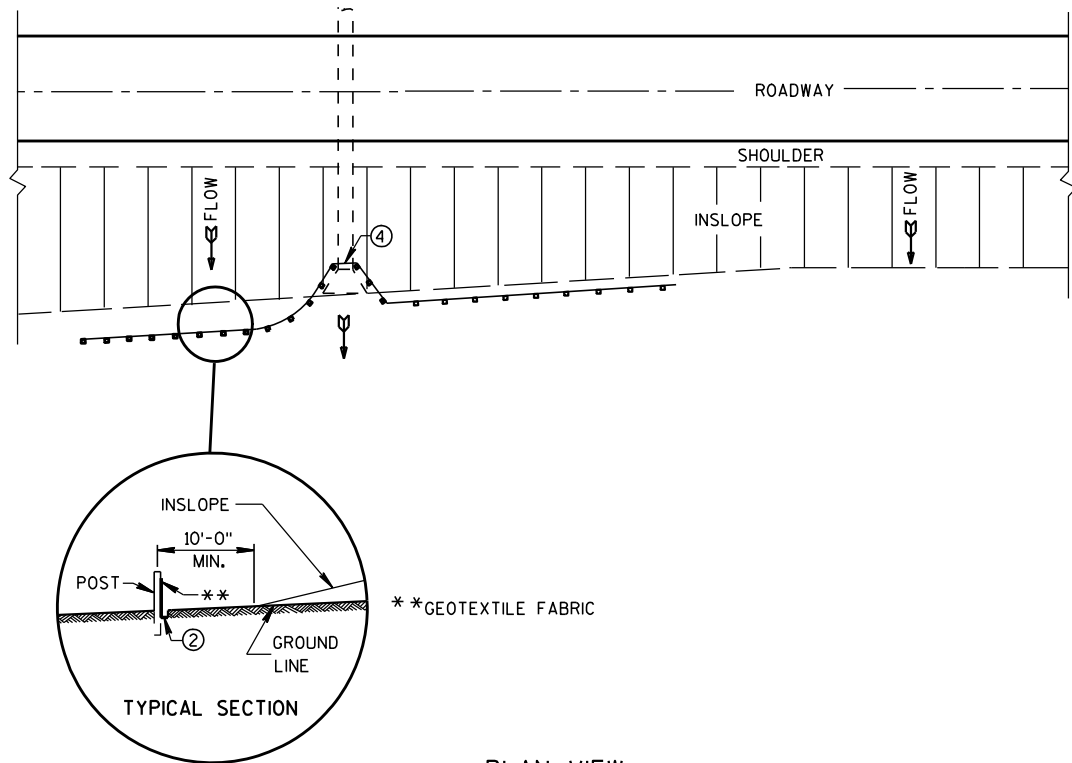
TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

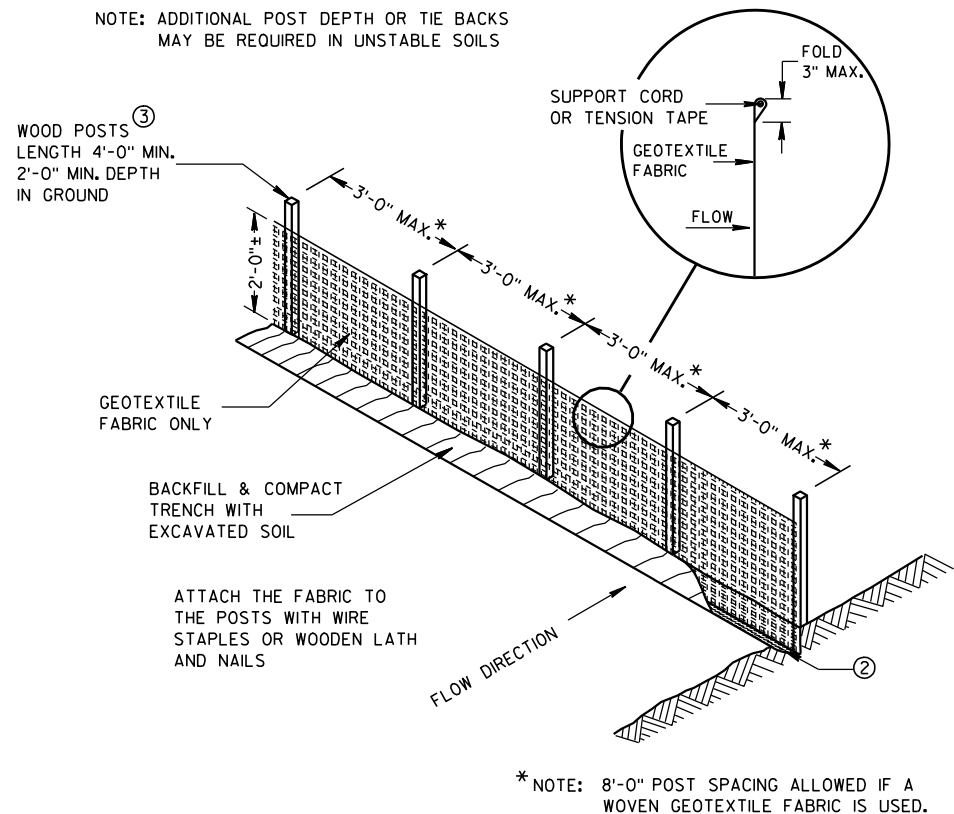
APPROVED

6/04/02
DATE/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

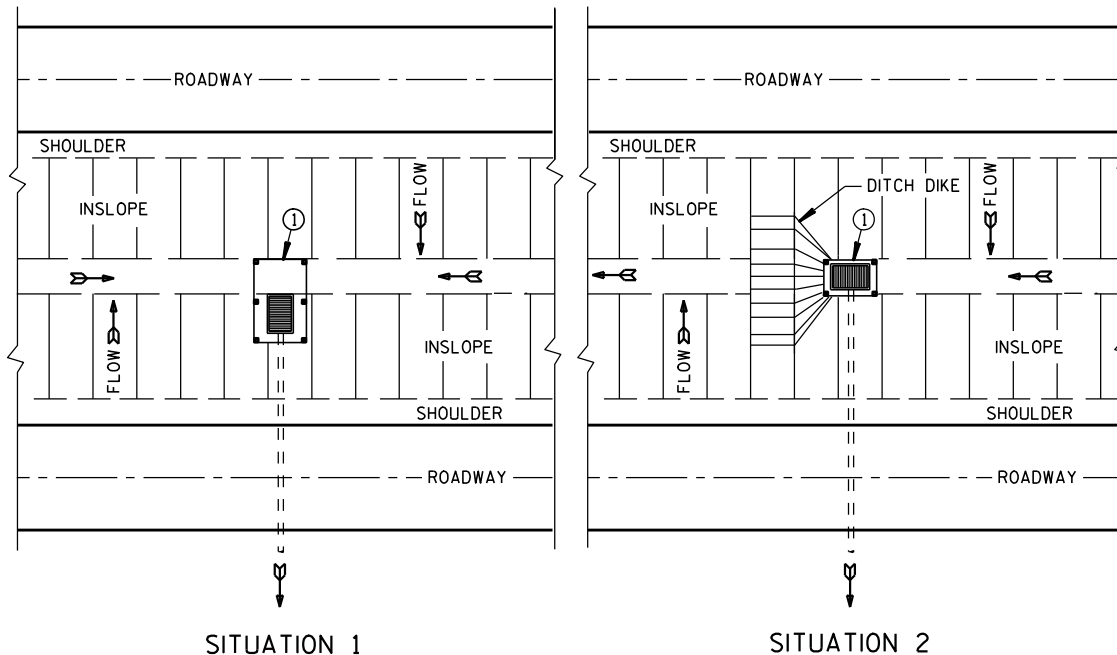
FHWA



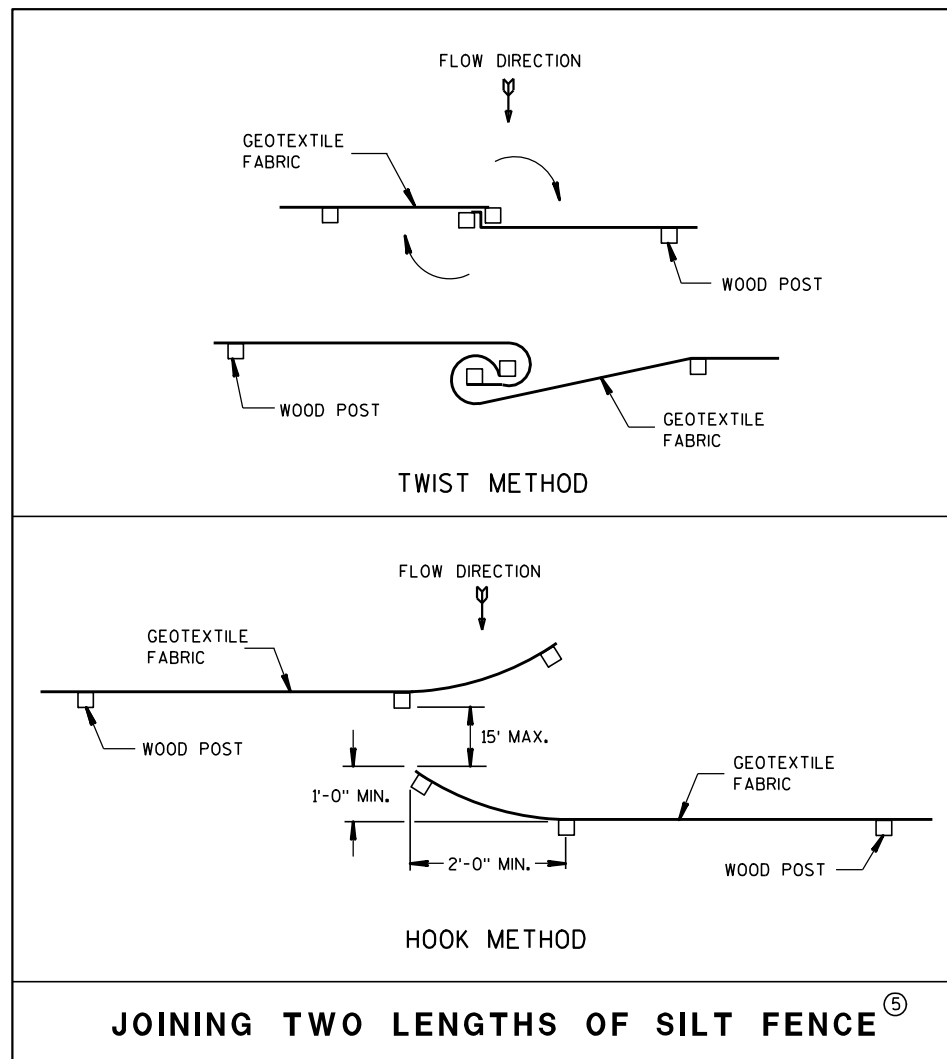
PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE



SILT FENCE



PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

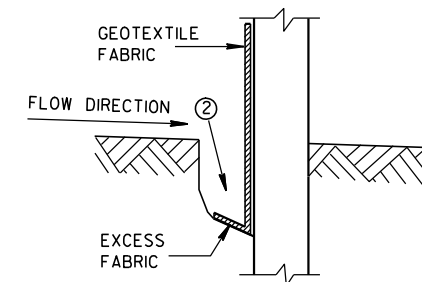


JOINING TWO LENGTHS OF SILT FENCE

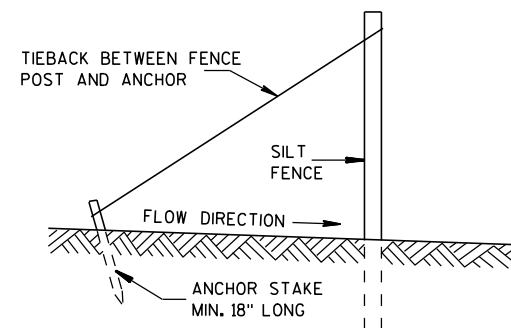
GENERAL NOTES

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

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

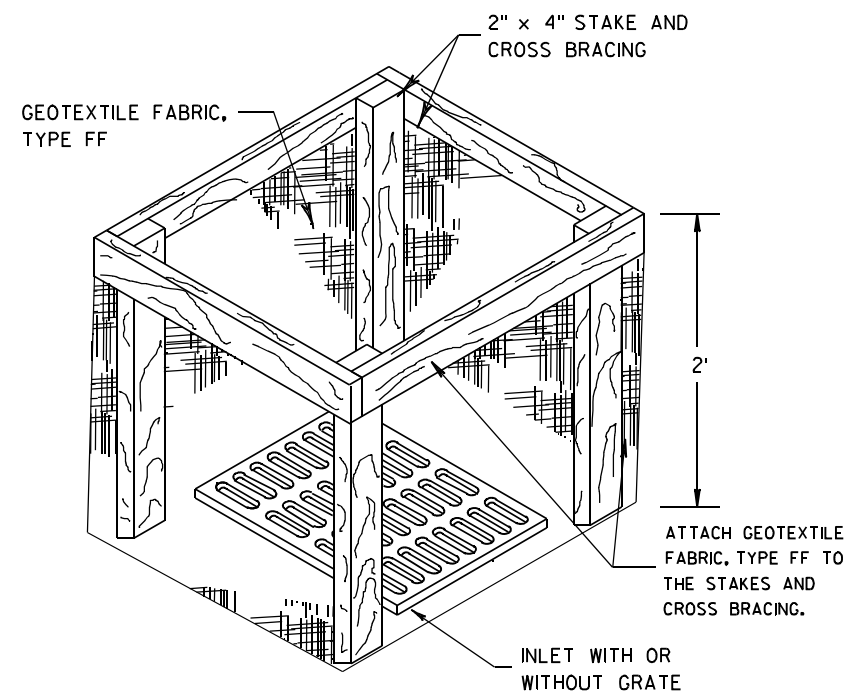
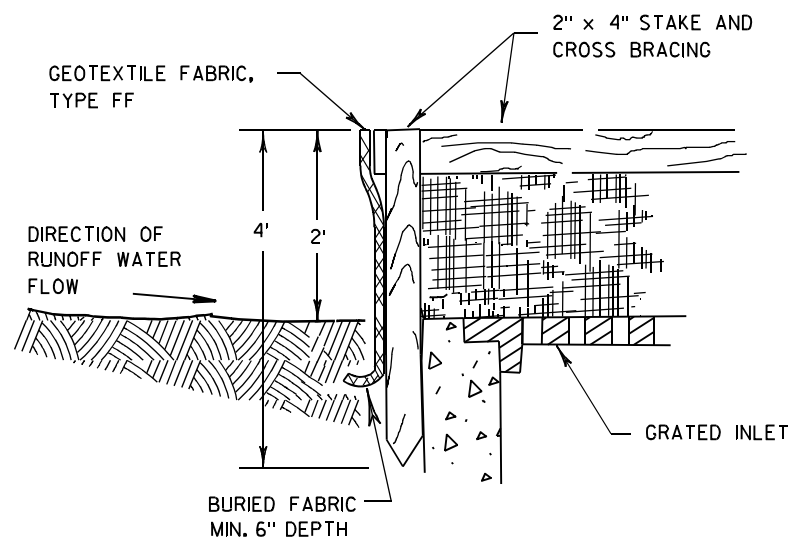


TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-29-05 DATE	/S/ Beth Canestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	



INLET PROTECTION, TYPE A

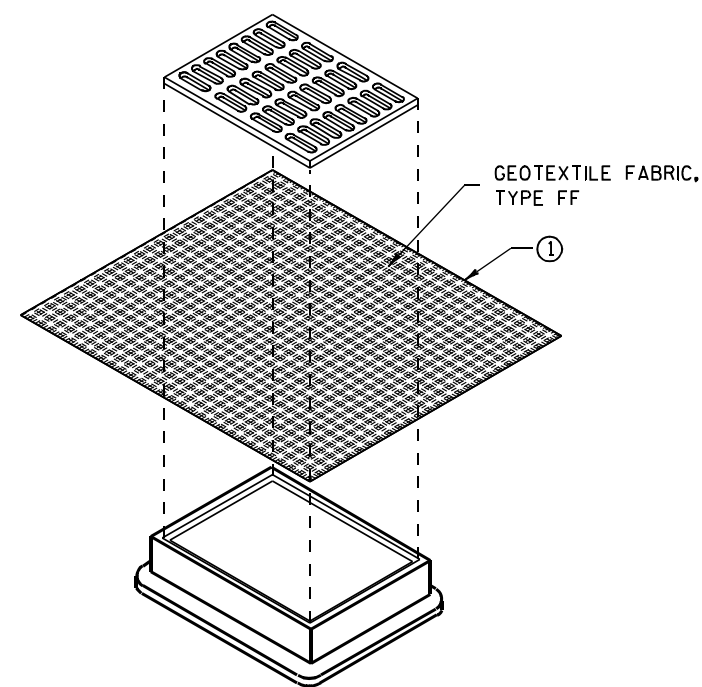
GENERAL NOTES

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.

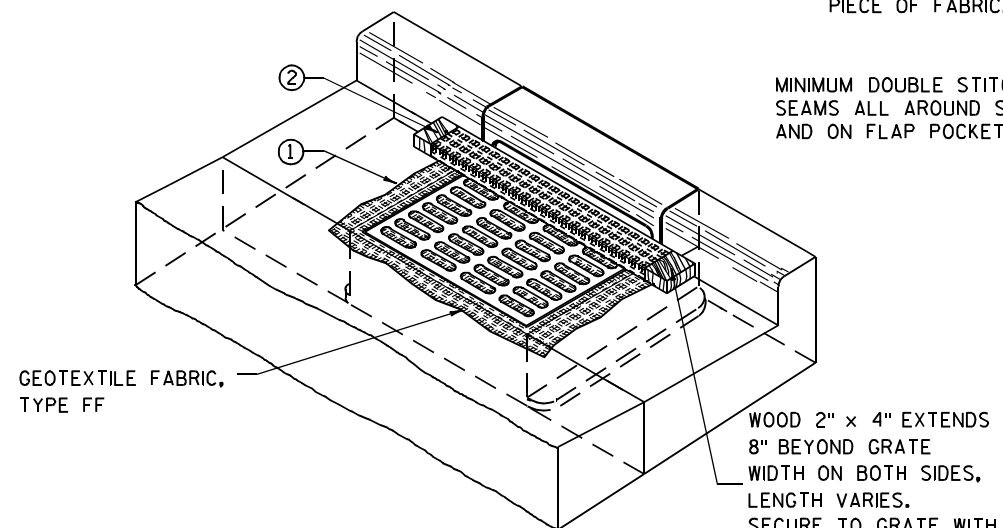
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 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.

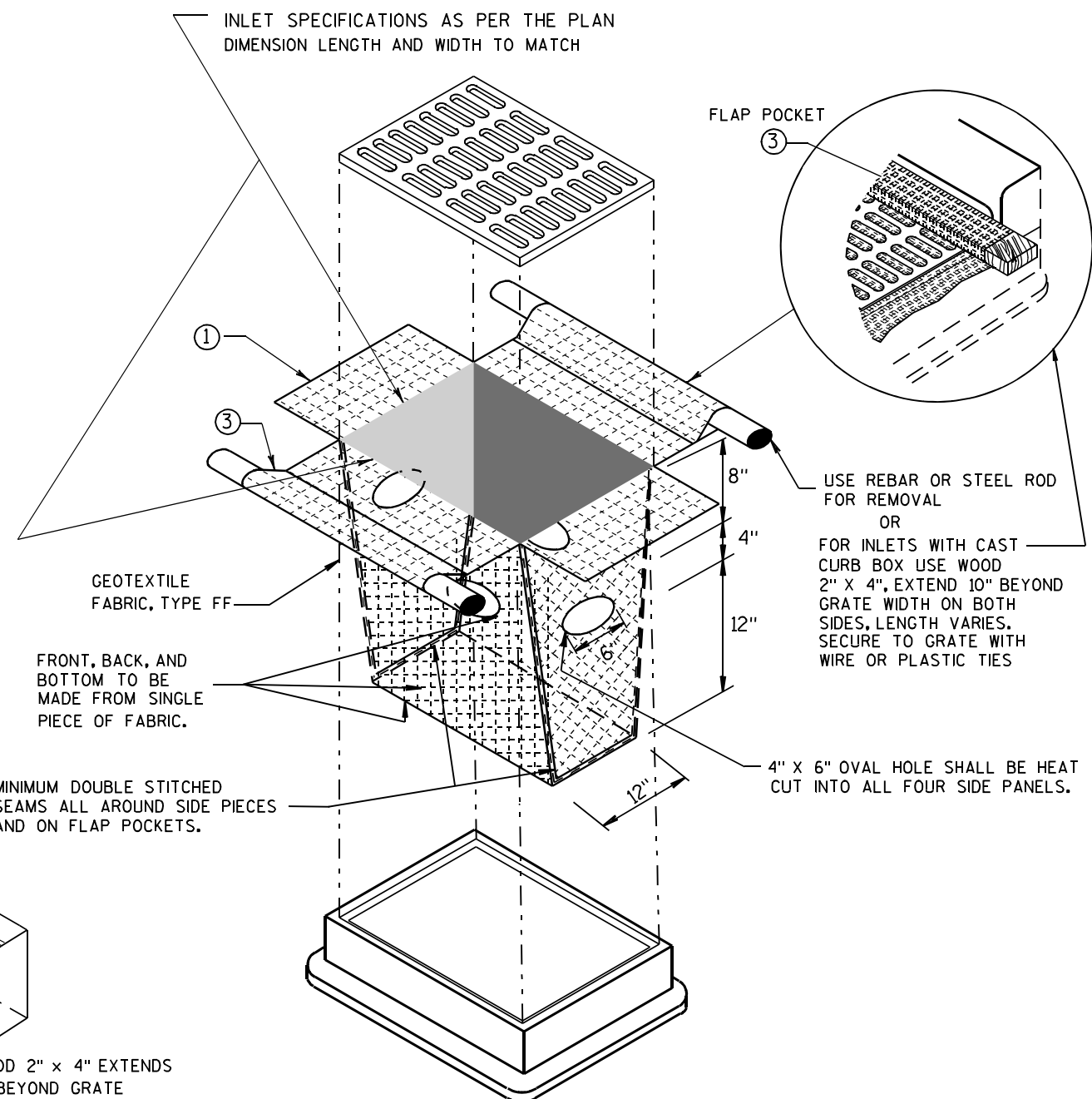
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

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)

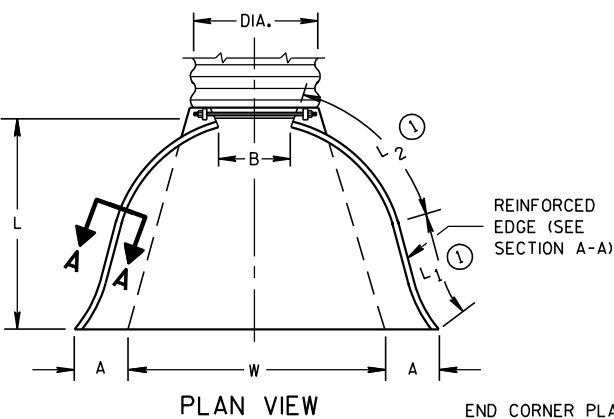
**INLET PROTECTION
TYPE A, B, C, AND D**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

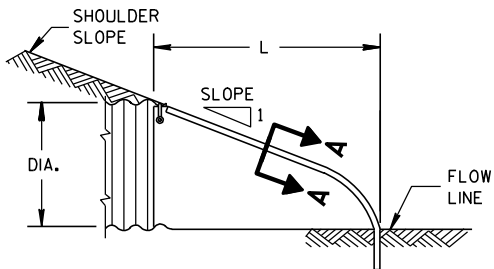
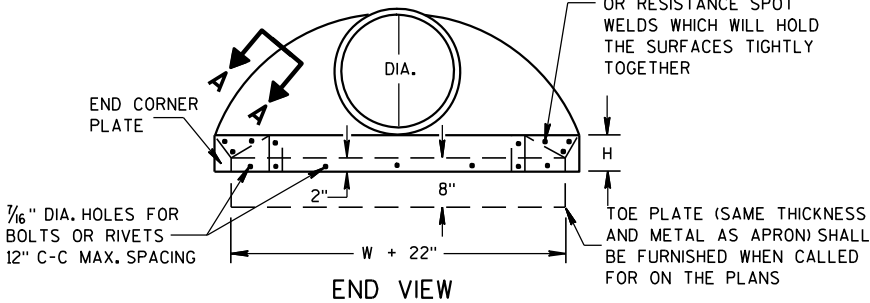
METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1		1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1		1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1		1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1		1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1		2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1		2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1		3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1		3 Pc.
60	.109x	.105x	18	33	12	87	—	—	114	2 to 1		3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1		3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1		3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1		3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1		3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1		3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1		3 Pc.

* EXCEPT CENTER PANEL
SEE GENERAL NOTES



END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

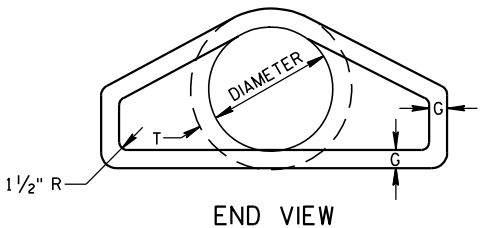
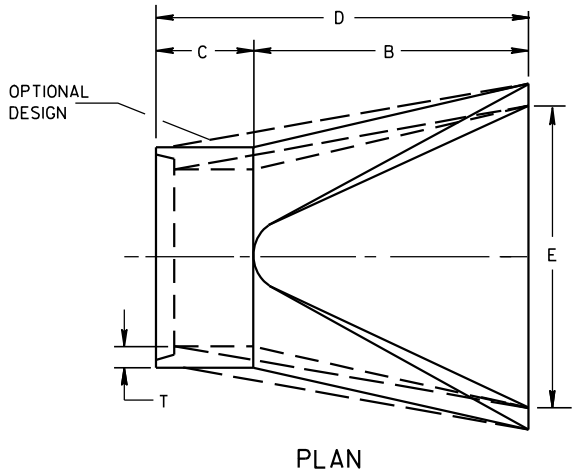
TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS



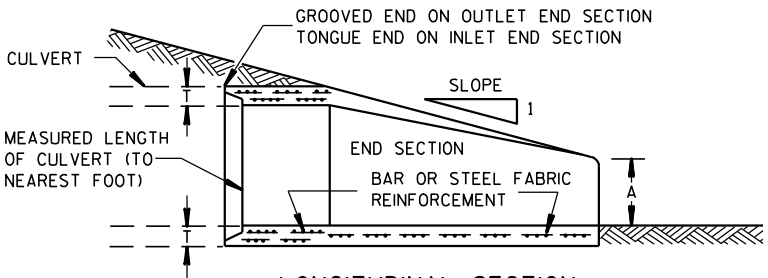
SIDE ELEVATION
METAL ENDWALLS

REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 1/8	72 1/8	24	2	3 to 1				
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1				
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1				
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1				
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1				
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1				
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1				
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1				
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1				
48	5	24	72	26	98	84	5	3 to 1				
54	5 1/2	27	65	33 1/4-35	98 1/4-100	90	5 1/2	2 1/2 to 1				
60	6	30-35	60	39	99	96	5	2 to 1				
66	6 1/2	24-30	72-78	21-27	99	102	5 1/2	2 to 1				
72	7	24-36	78	21	99	108	6	2 to 1				
78	7 1/2	24-36	78	21	99	114	6 1/2	2 to 1				
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1				
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1				

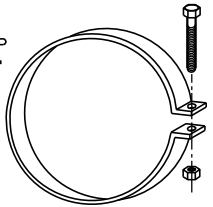
* MINIMUM
** MAXIMUM



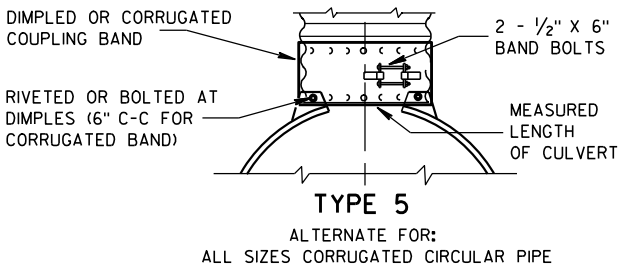
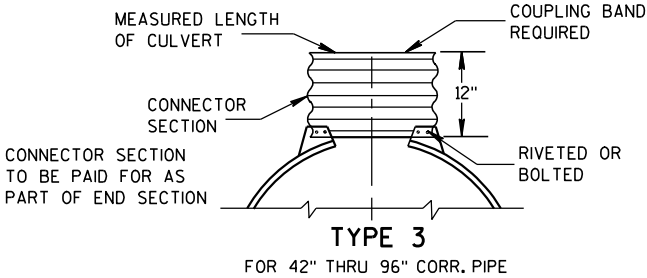
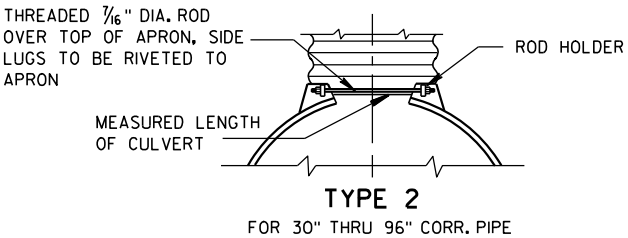
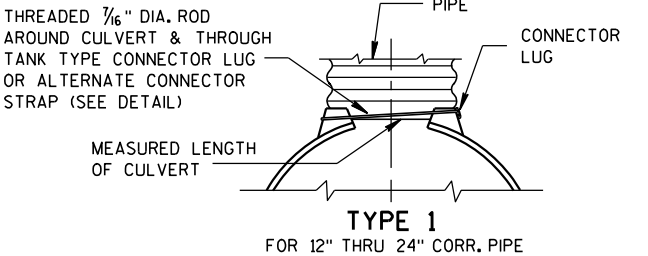
LONGITUDINAL SECTION
CONCRETE ENDWALLS



1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



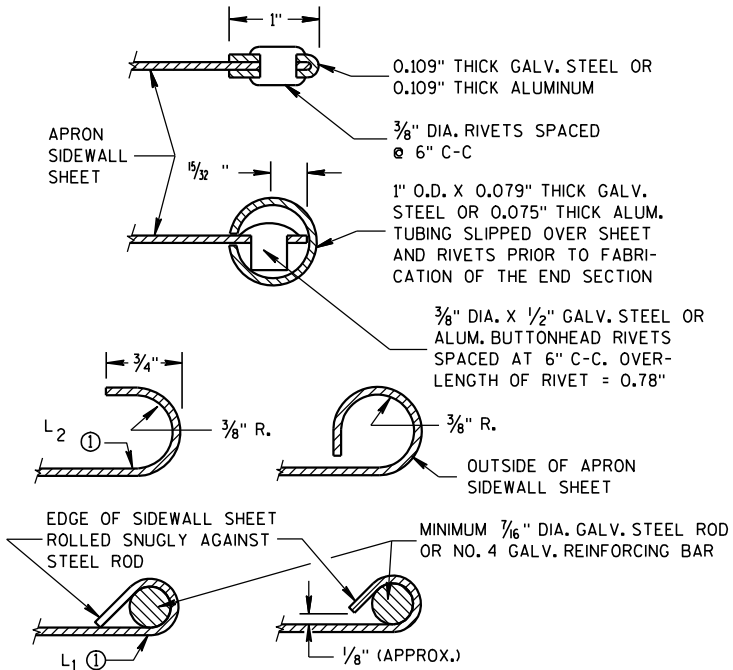
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

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

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

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

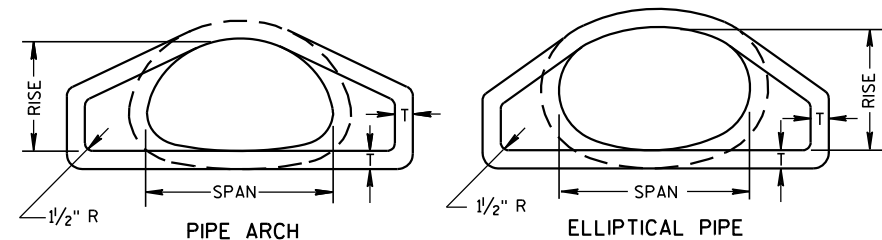
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

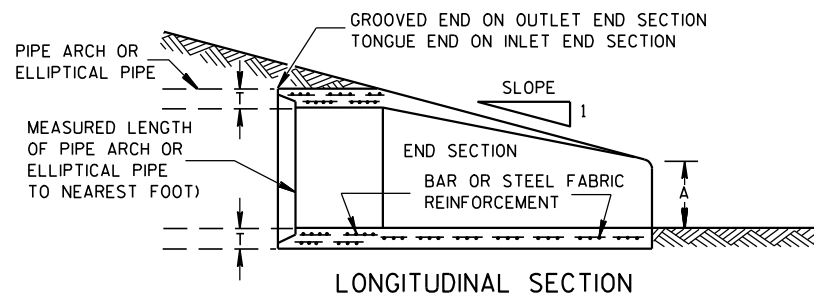
APRON ENDWALLS FOR
CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

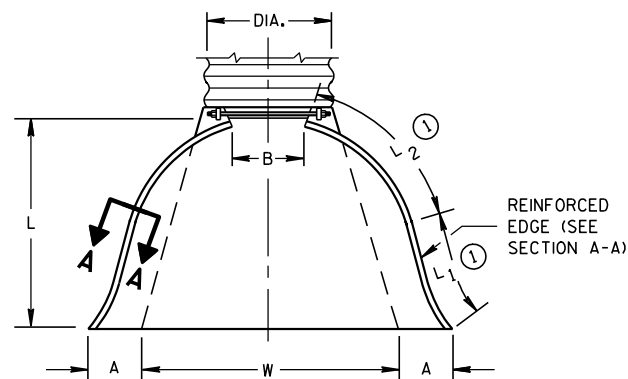


END VIEW



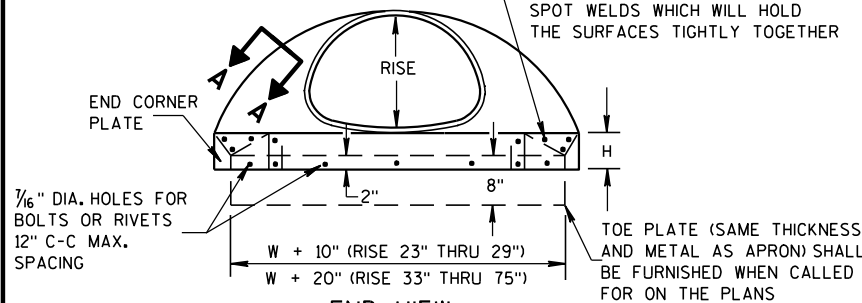
LONGITUDINAL SECTION

CONCRETE ENDWALLS

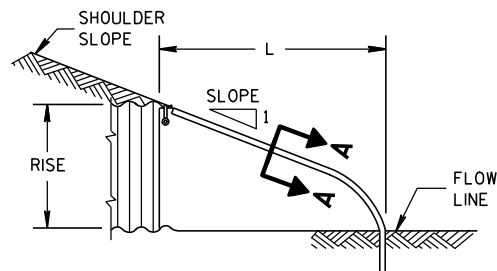


PLAN VIEW

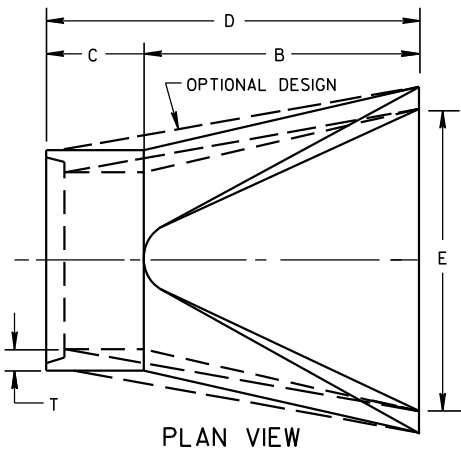
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER



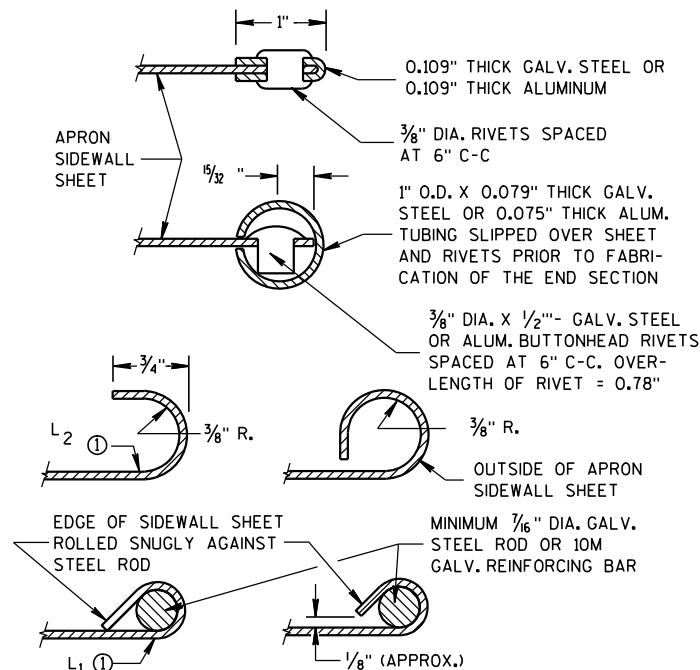
END VIEW



SIDE ELEVATION
METAL ENDWALLS



PLAN VIEW



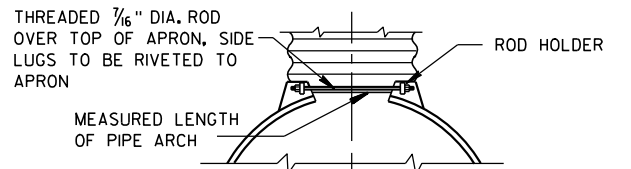
SECTION A-A

2- 2⅔" X ½" CORRUGATIONS													
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1½")	L1 ①	L 2 ①	W (±2")		
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅝	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS													
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

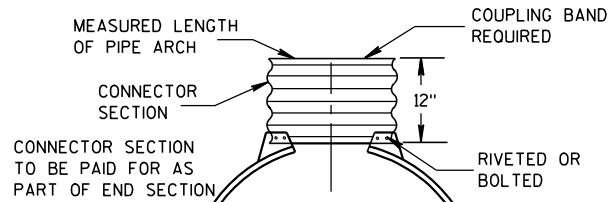
NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL
SEE GENERAL NOTES



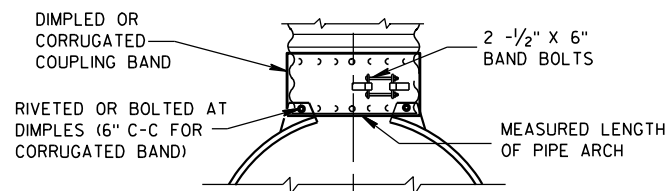
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:
ALL SIZES CORRUGATED PIPE ARCHES
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL,
AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

REINFORCED CONCRETE PIPE ARCH									
EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅞	60	36	96	72	3 to 1
42	51	31	4½	15⅞	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE									
EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅞	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE

GENERAL NOTES

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

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

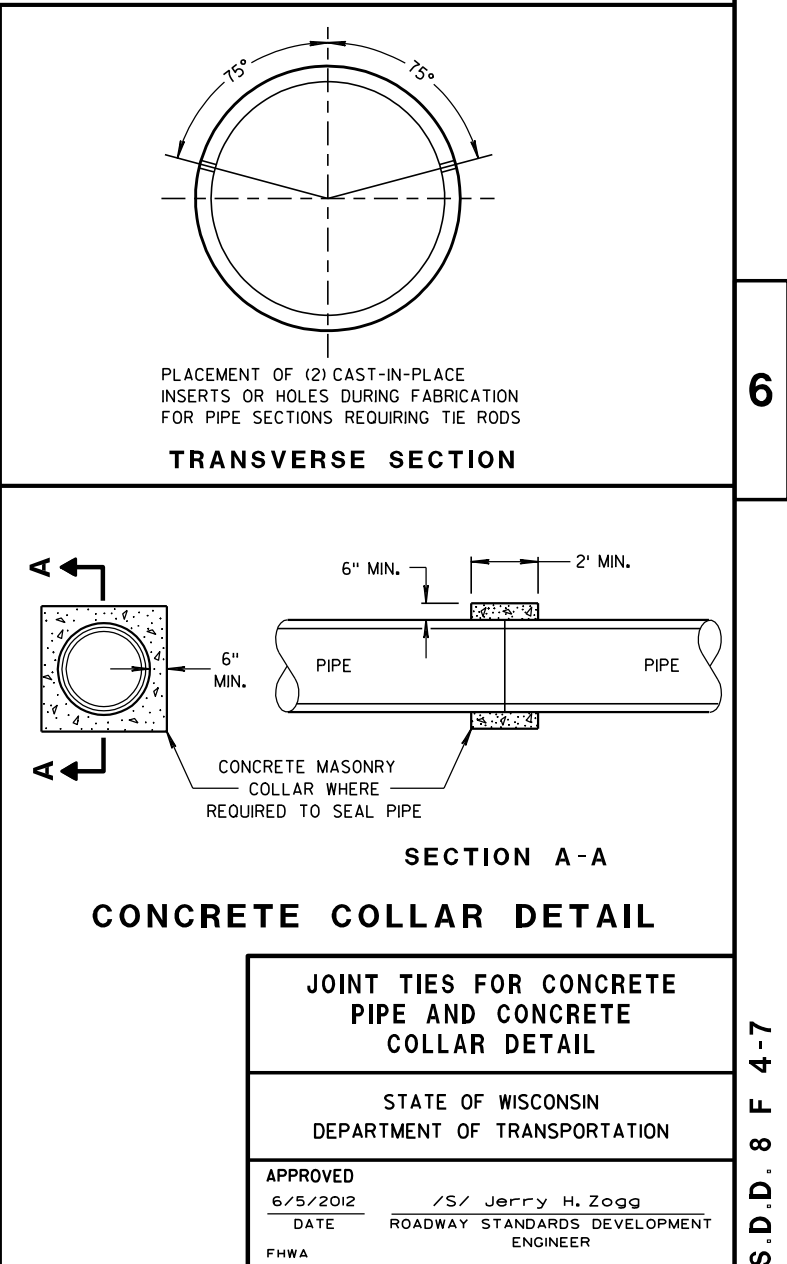
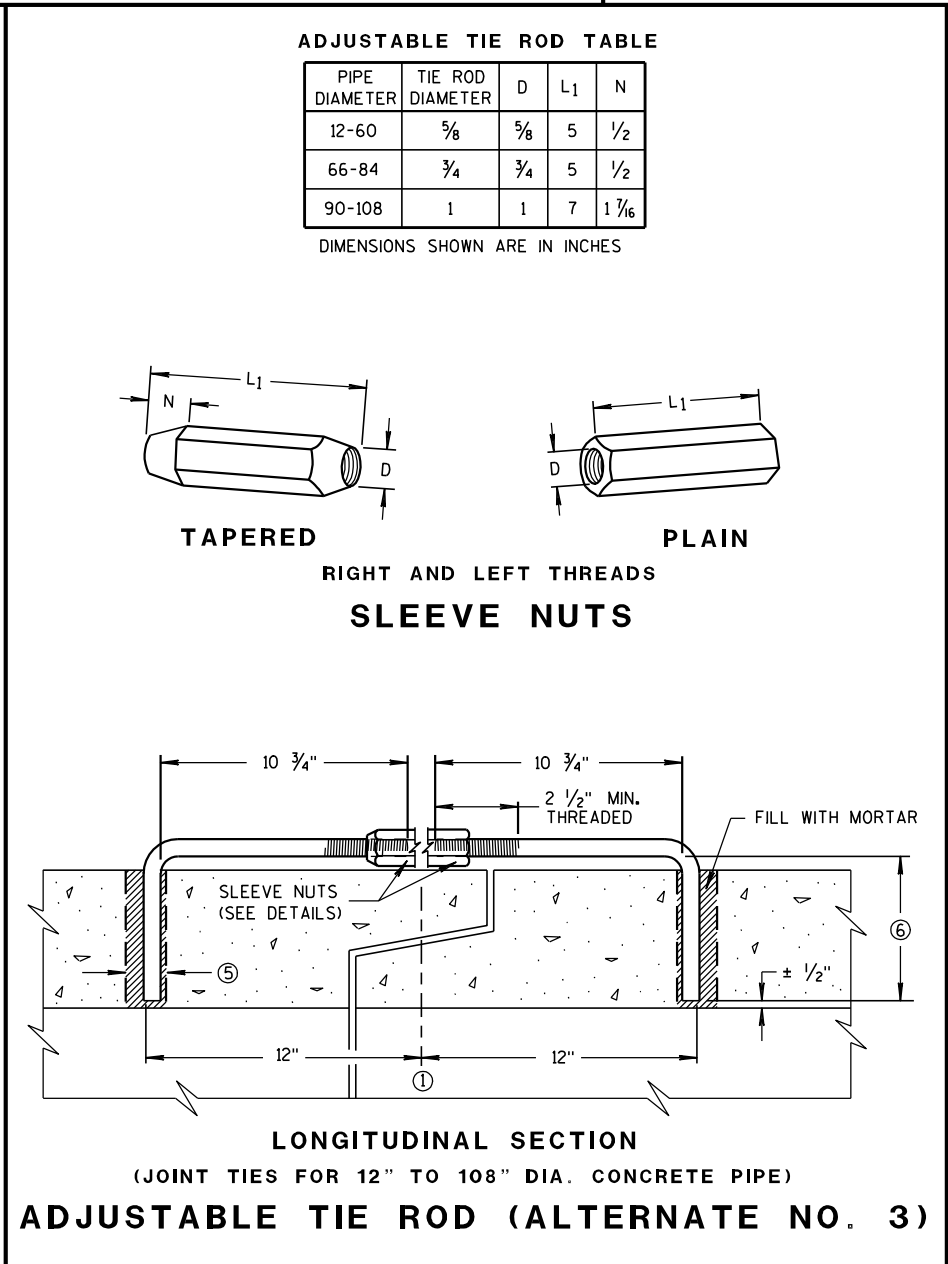
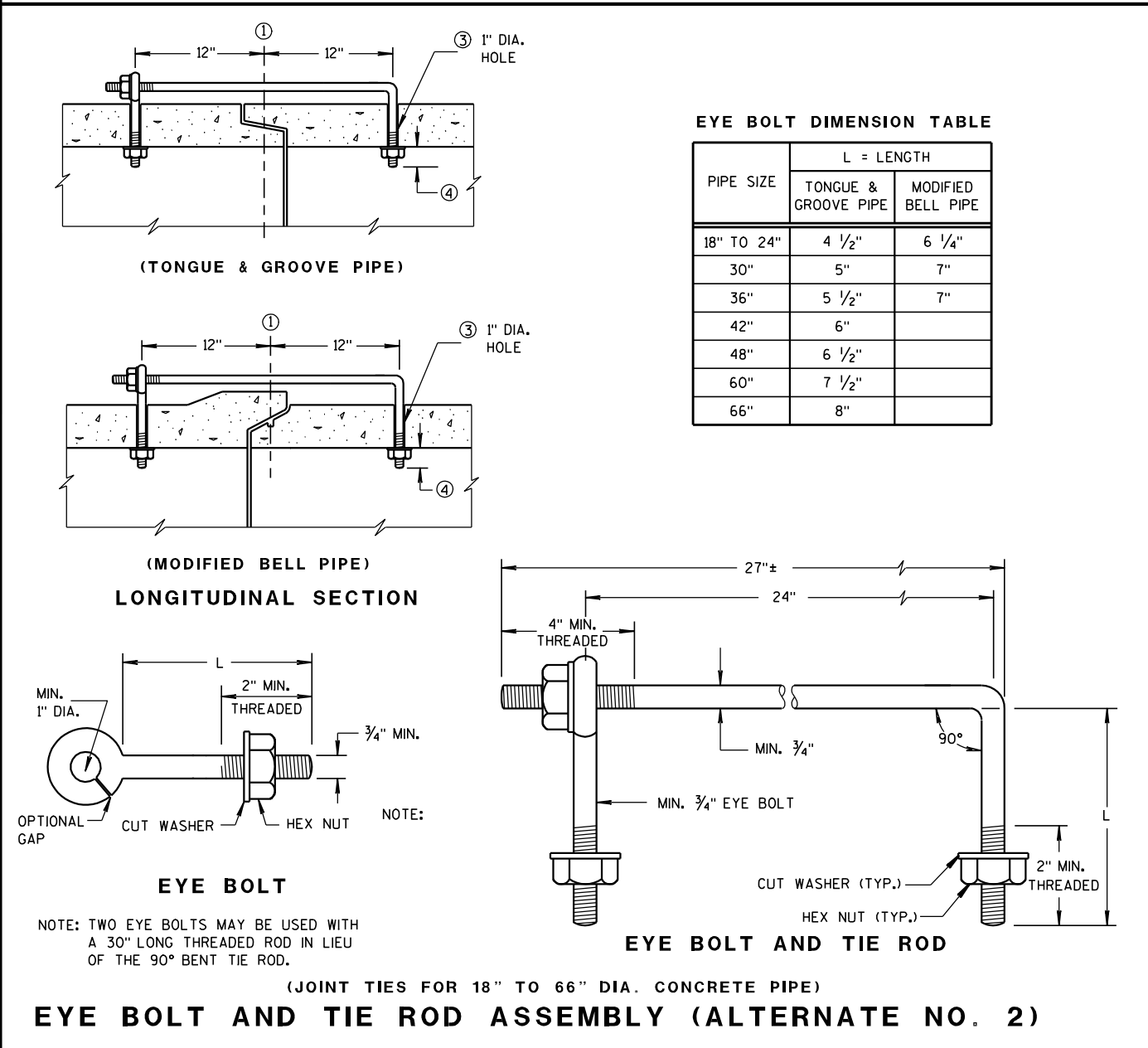
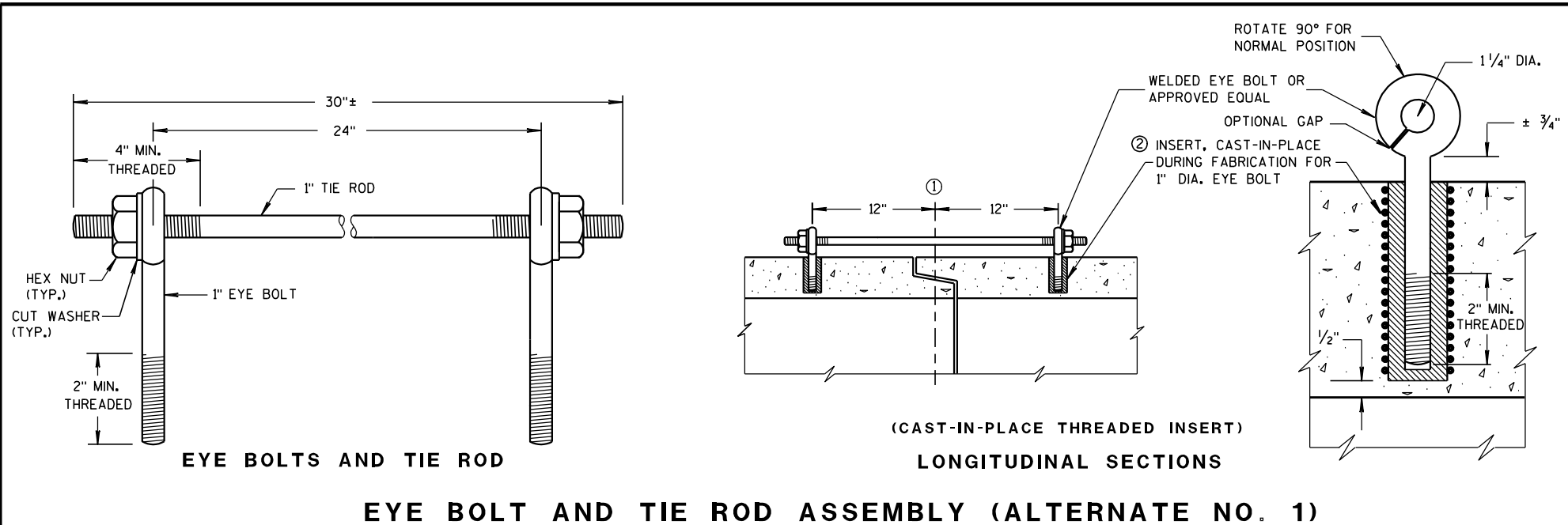
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

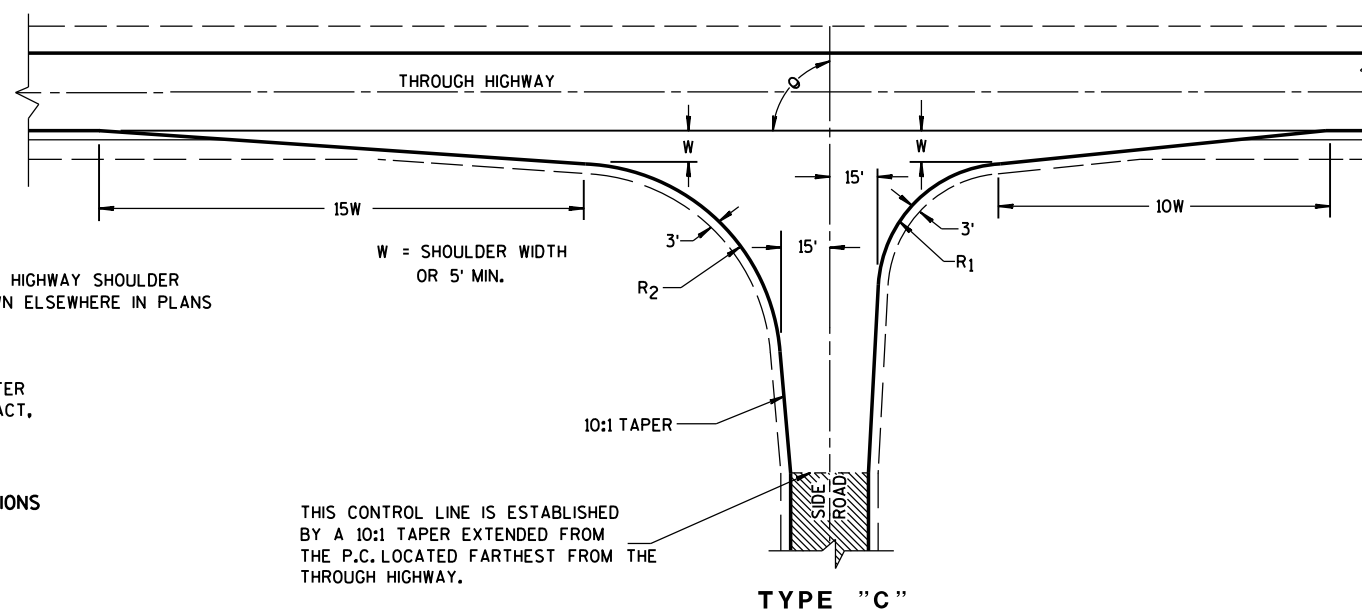
① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR
PIPE ARCH AND
ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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





RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

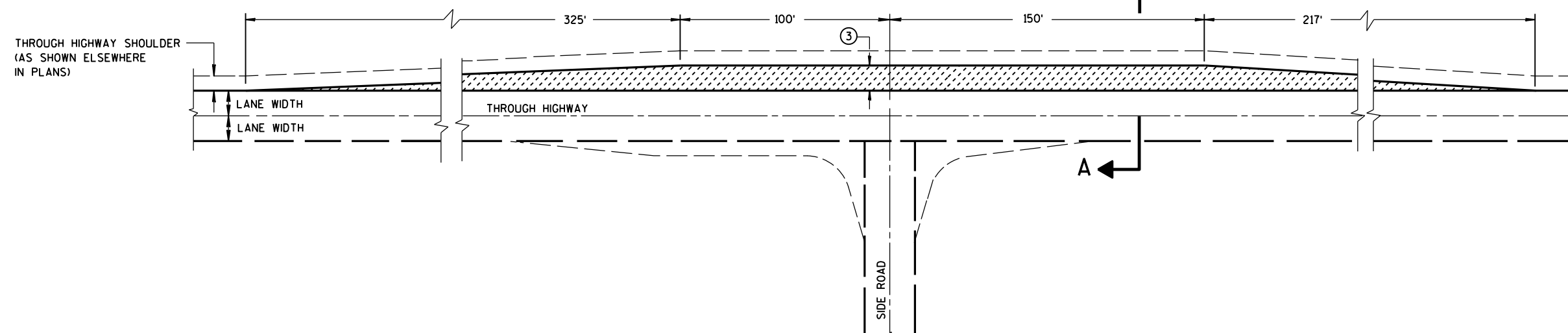
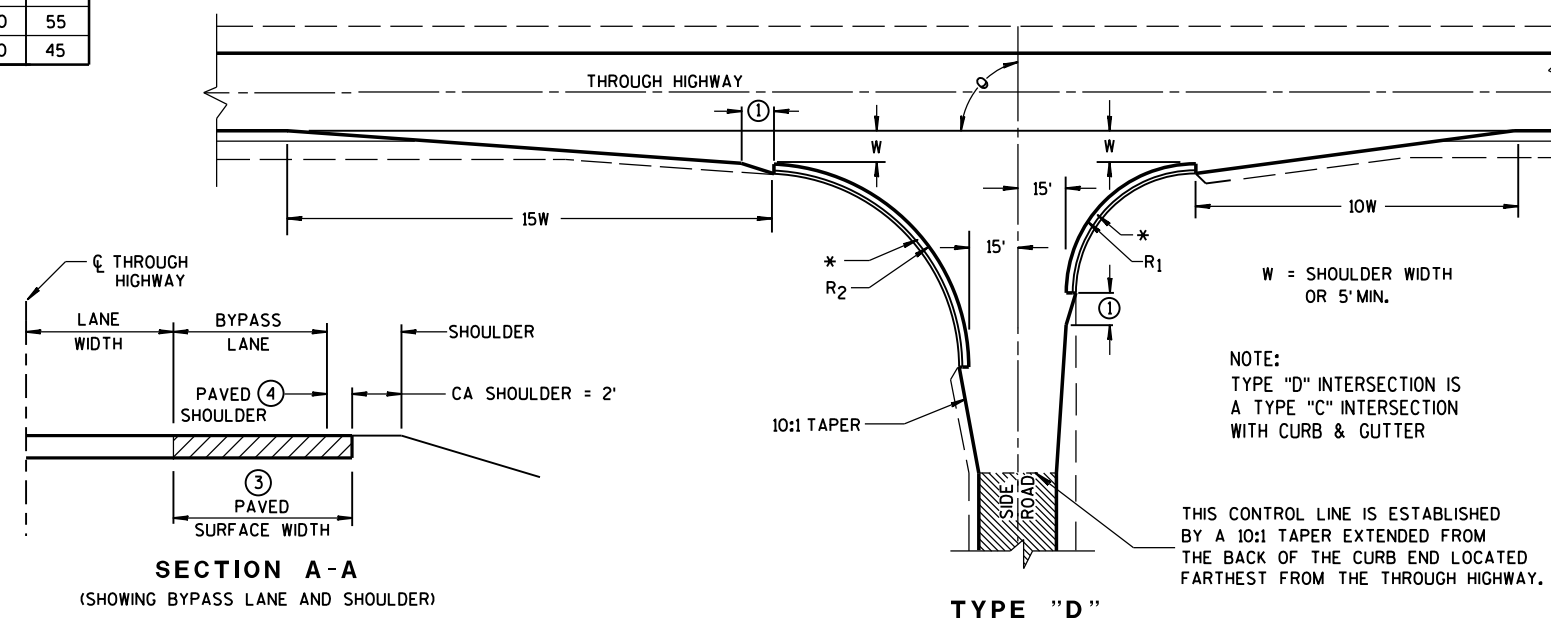
WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

-  EXISTING PAVED SURFACE
-  BYPASS LANE

- ① 10-FT TYPICAL.
- ② 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.
- ③ BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
- PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.
- ④ BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.

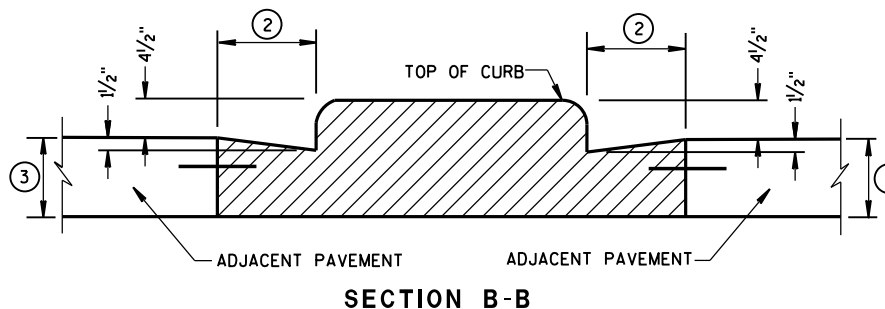
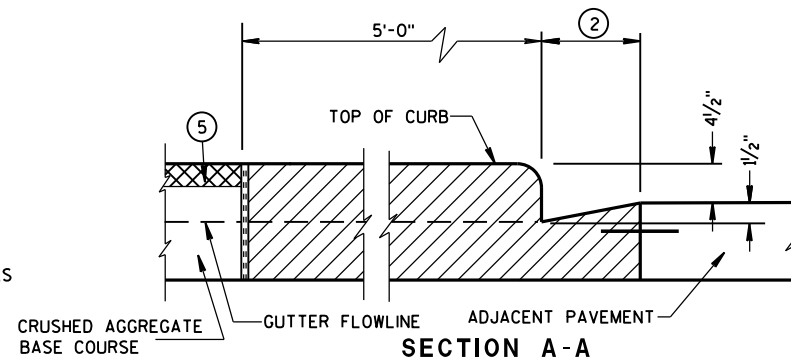
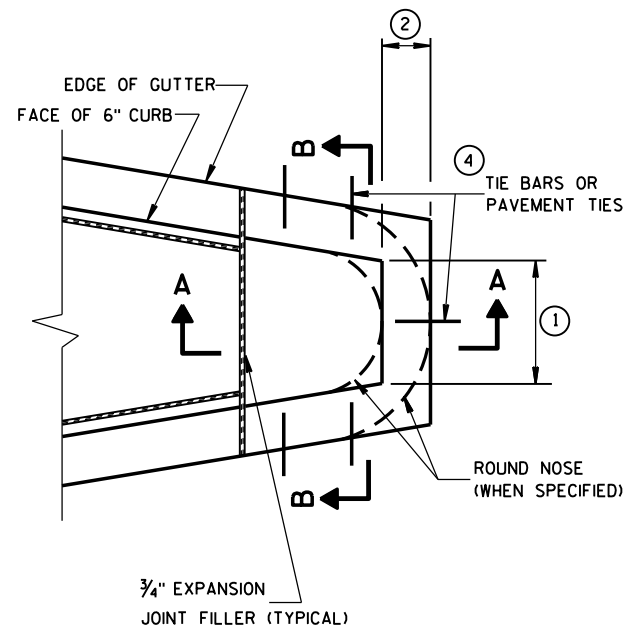
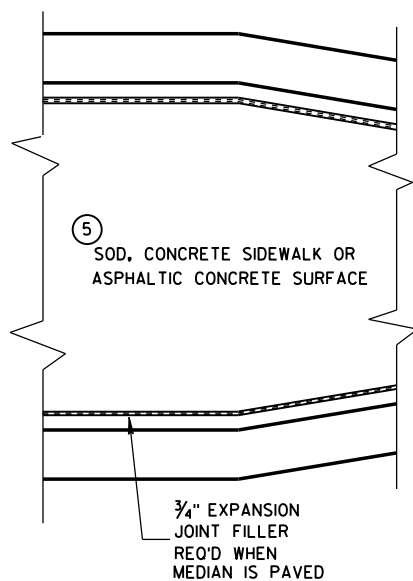
SECTION A-A
ING BYPASS LANE AND SHOULDER



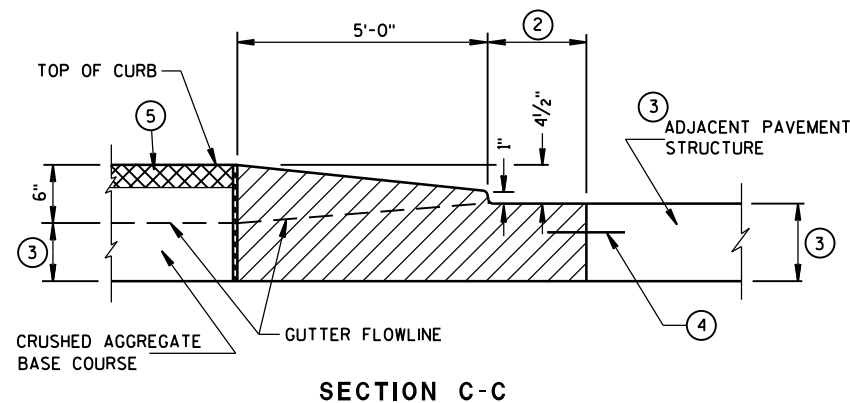
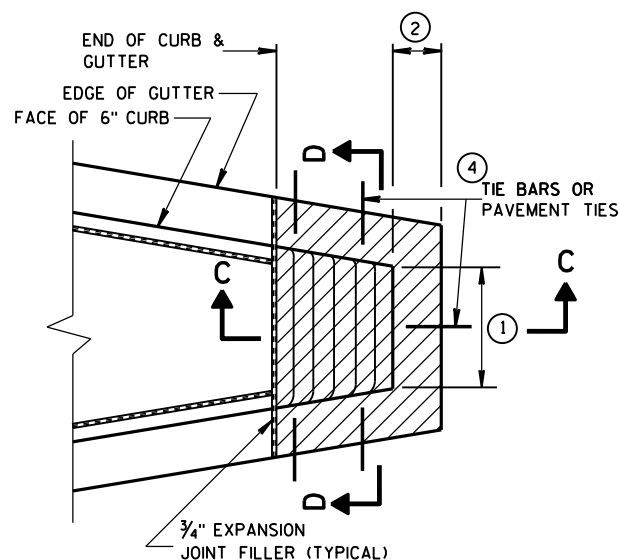
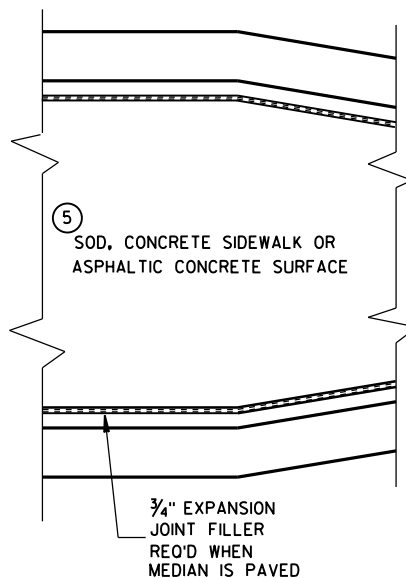
TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD
INTERSECTION, TYPES "B1", "B2",
"C" AND "D" AND TEE
INTERSECTION BYPASS LANE

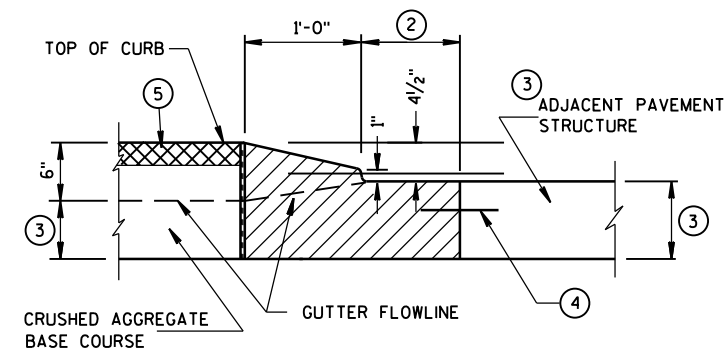
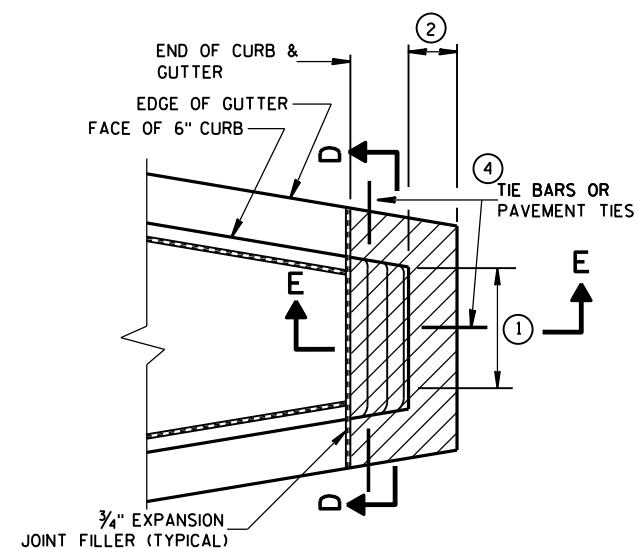
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



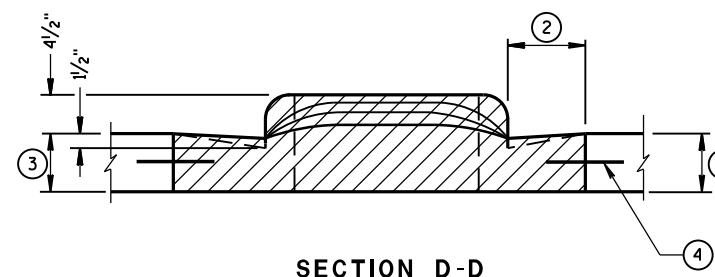
CONCRETE MEDIAN BLUNT NOSE DETAIL



CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN SLOPED NOSE TYPE 2



GENERAL NOTES

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

- ① SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).
- ② WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.
- ③ DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:
 - (1) NEW OR EXISTING CONCRETE PAVEMENT.
 - (2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.
 - (3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

- ④ TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

- ⑤ SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

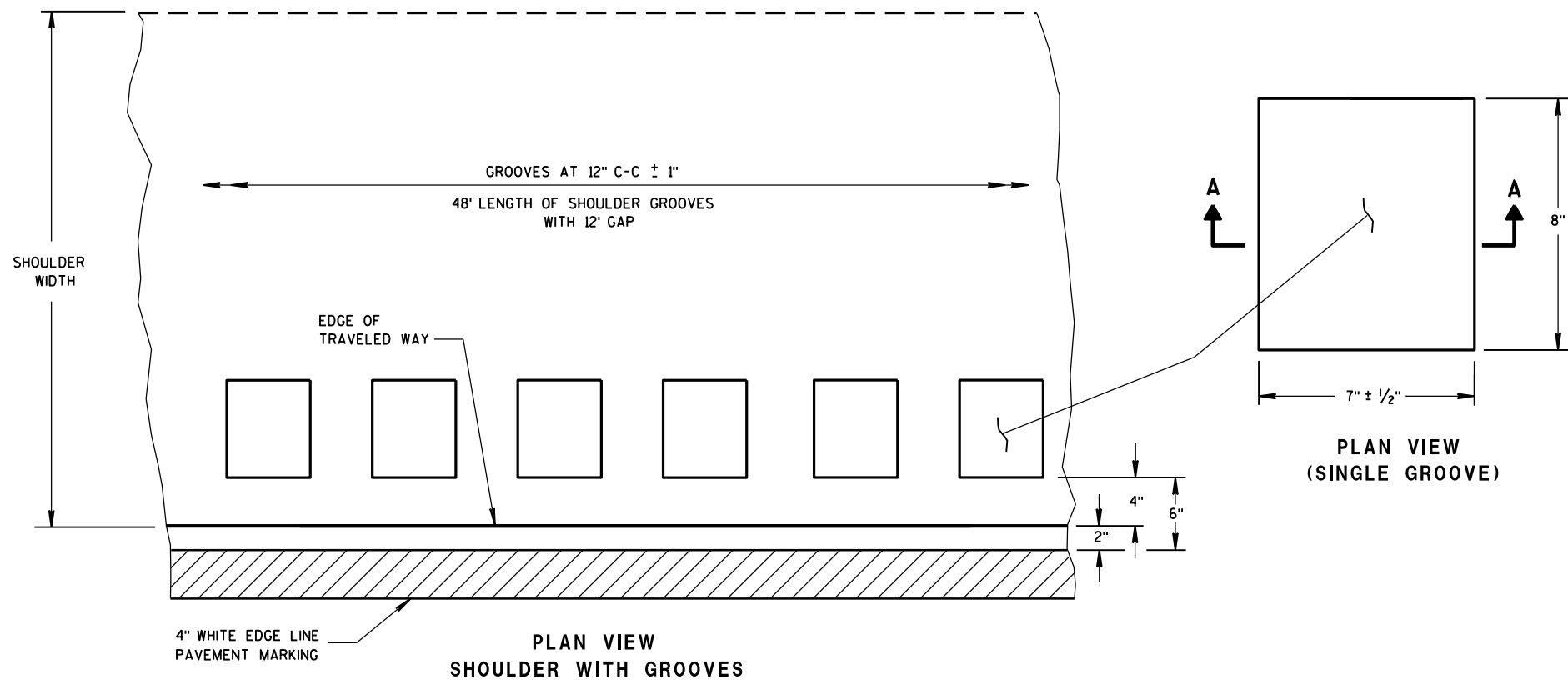
APPROVED

6/8/2006

DATE

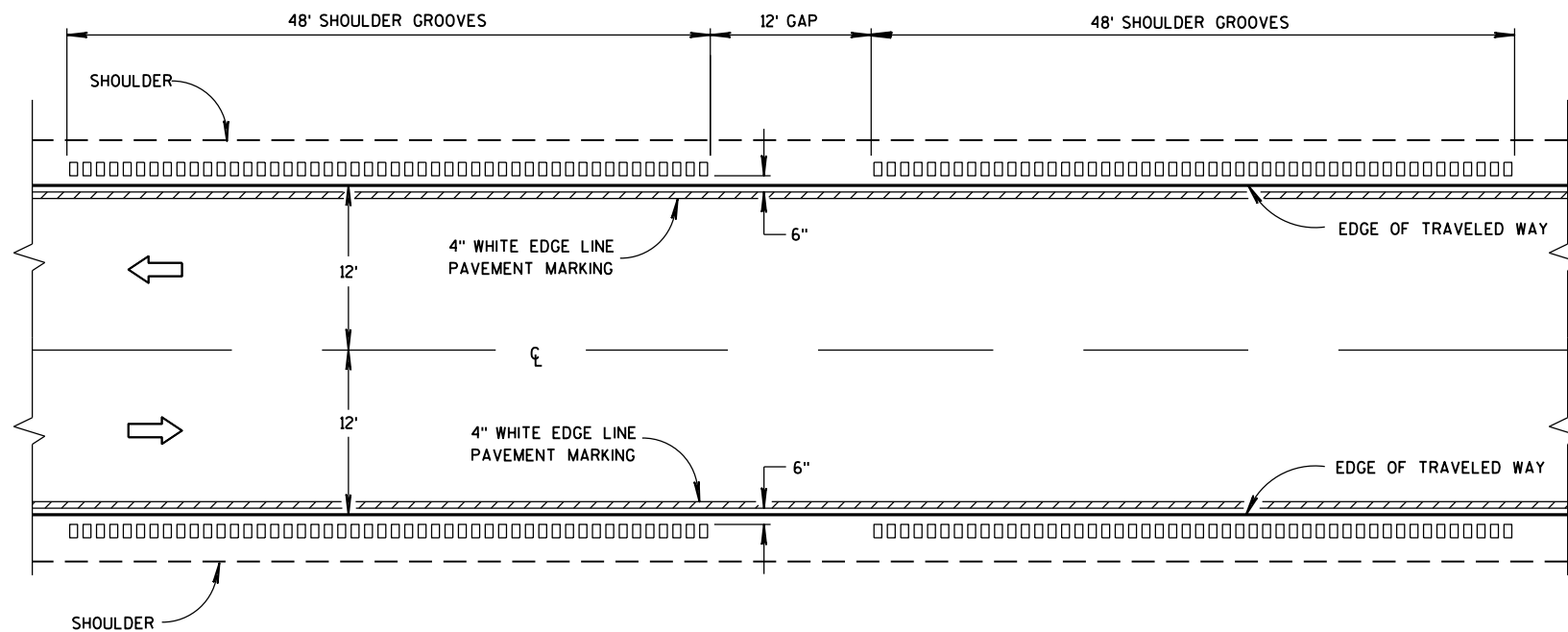
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



6

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



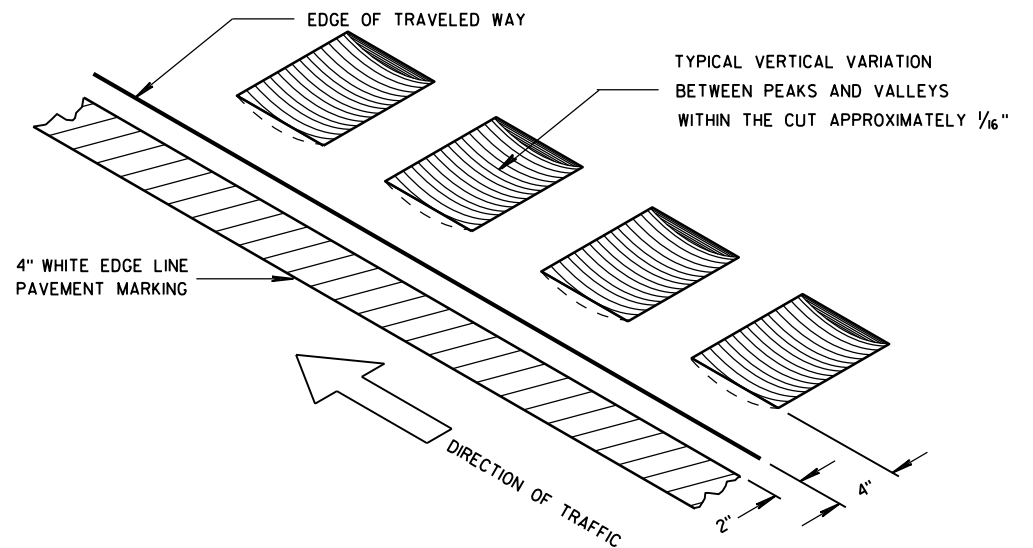
TYPE 1
2-LANE SHOULDER RUMBLE STRIP

GENERAL NOTES

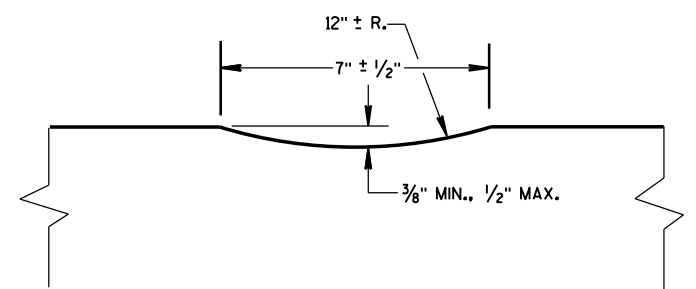
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

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



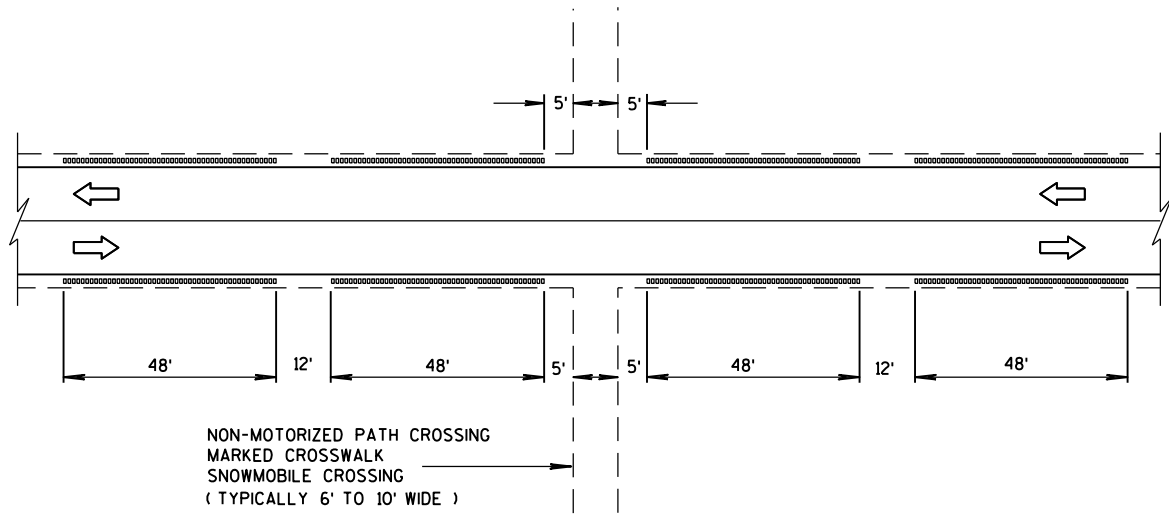
ISOMETRIC



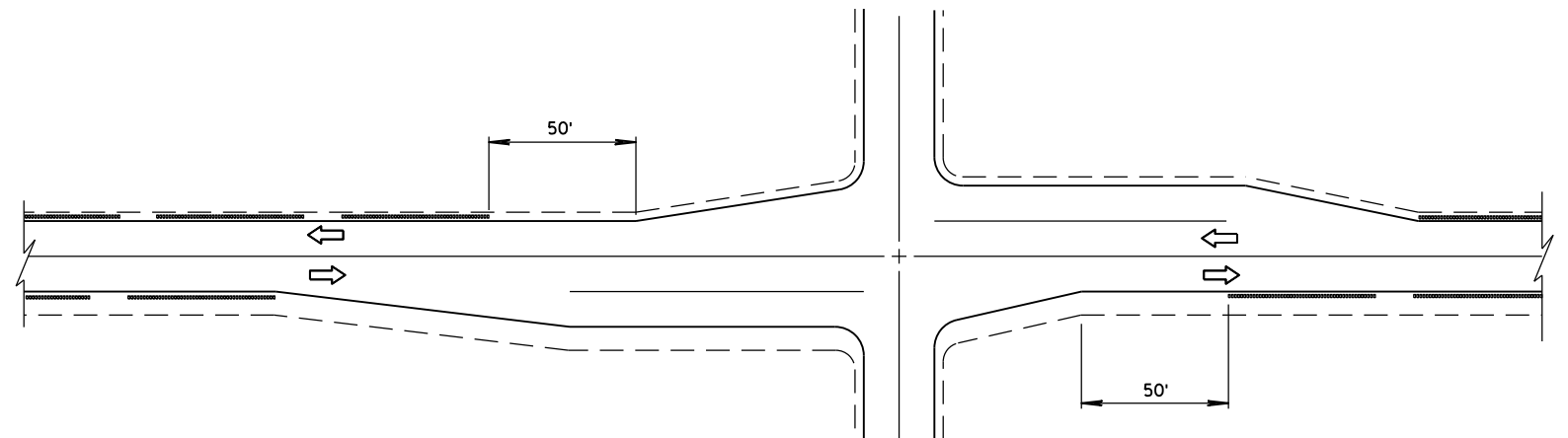
SECTION A-A

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

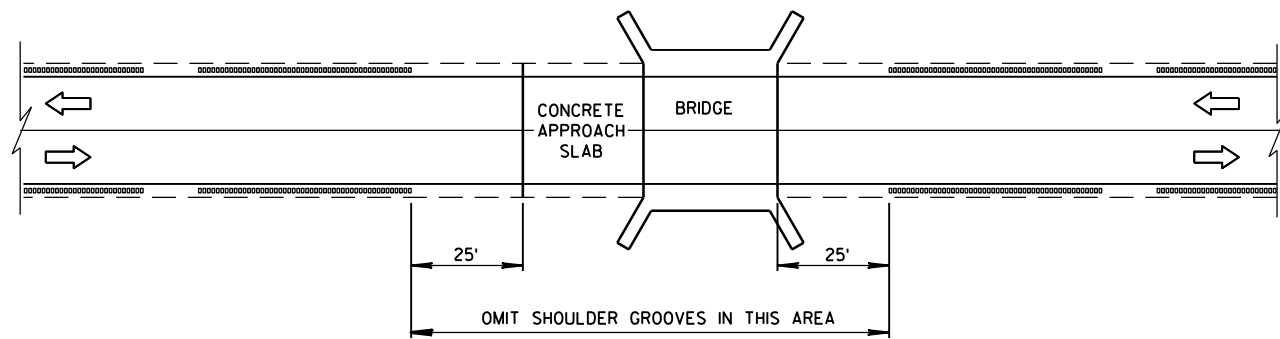
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



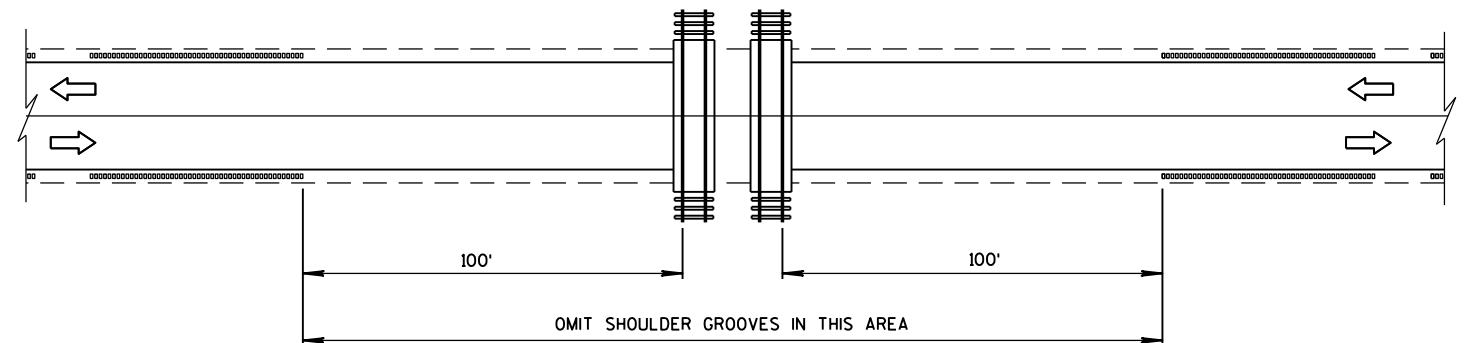
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



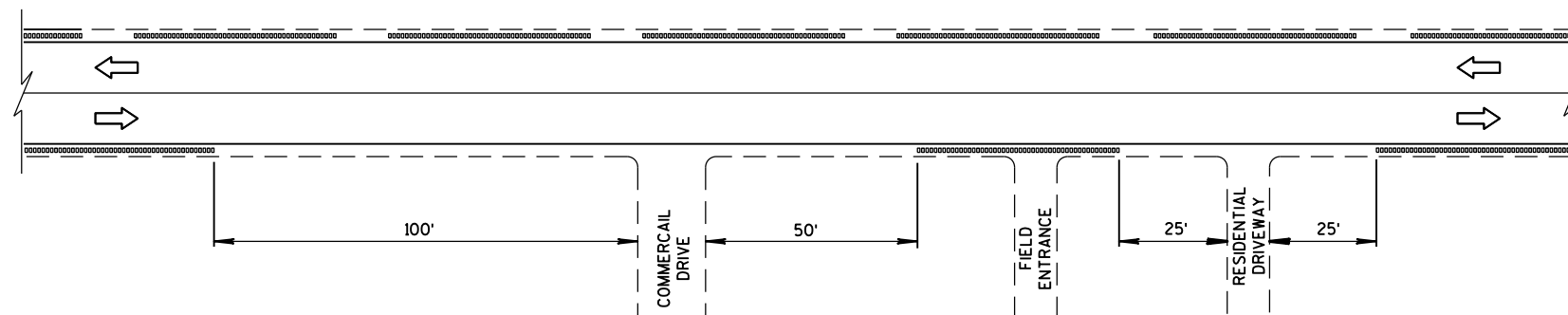
SHOULDER GROOVES AT INTERSECTIONS



SHOULDER GROOVES AT BRIDGES



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT DRIVEWAYS^①

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

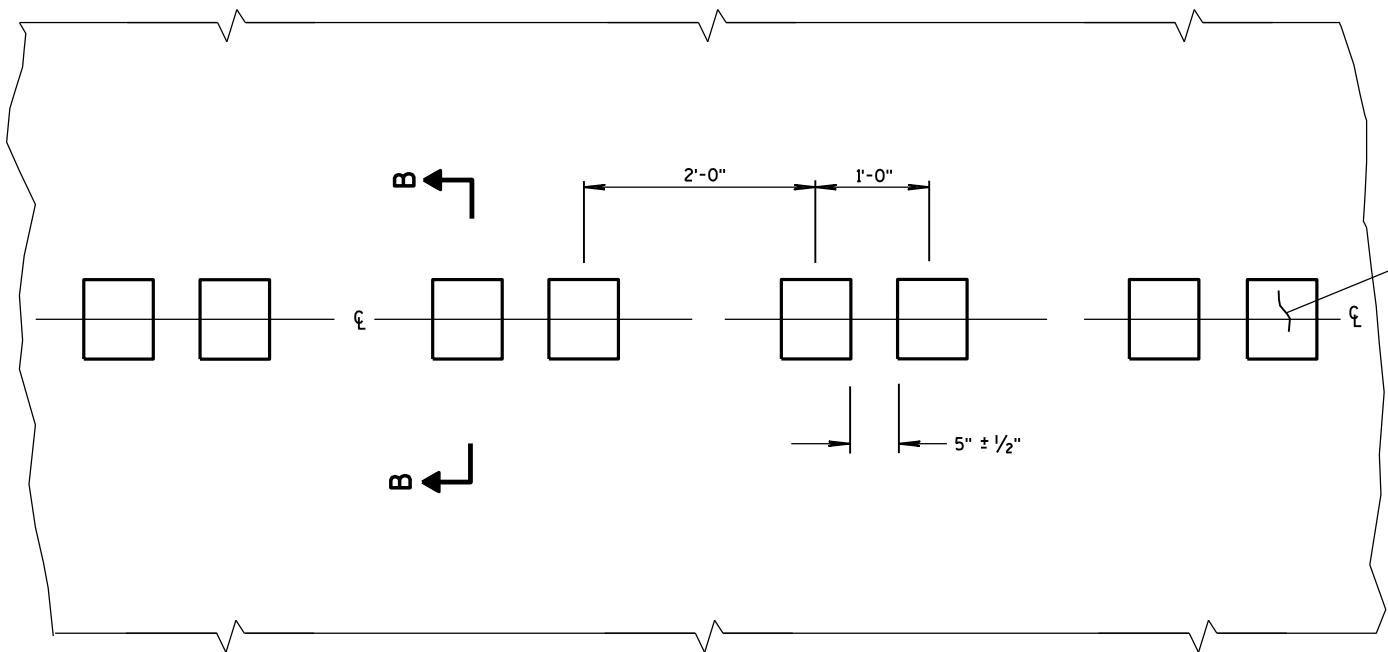
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

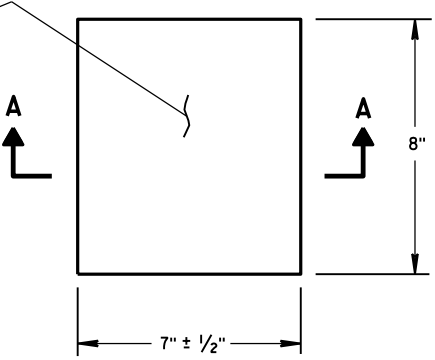
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

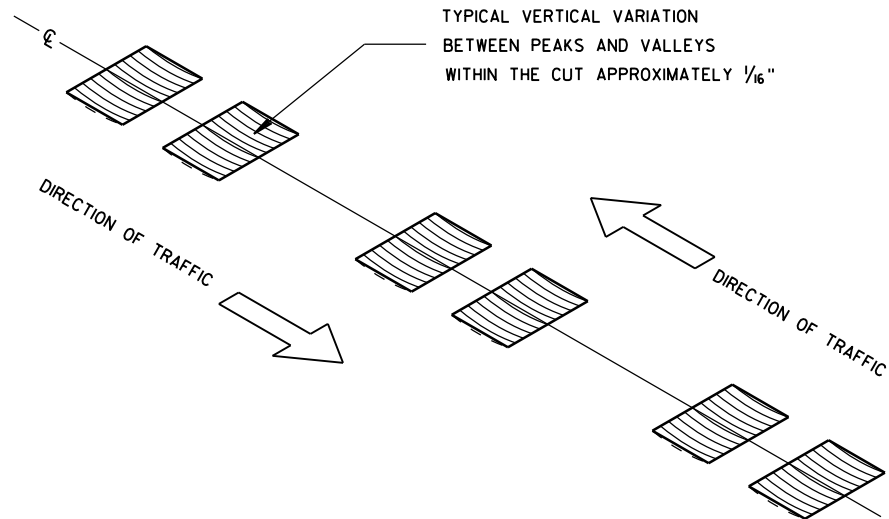
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



PLAN VIEW
CENTER LINE WITH GROOVES

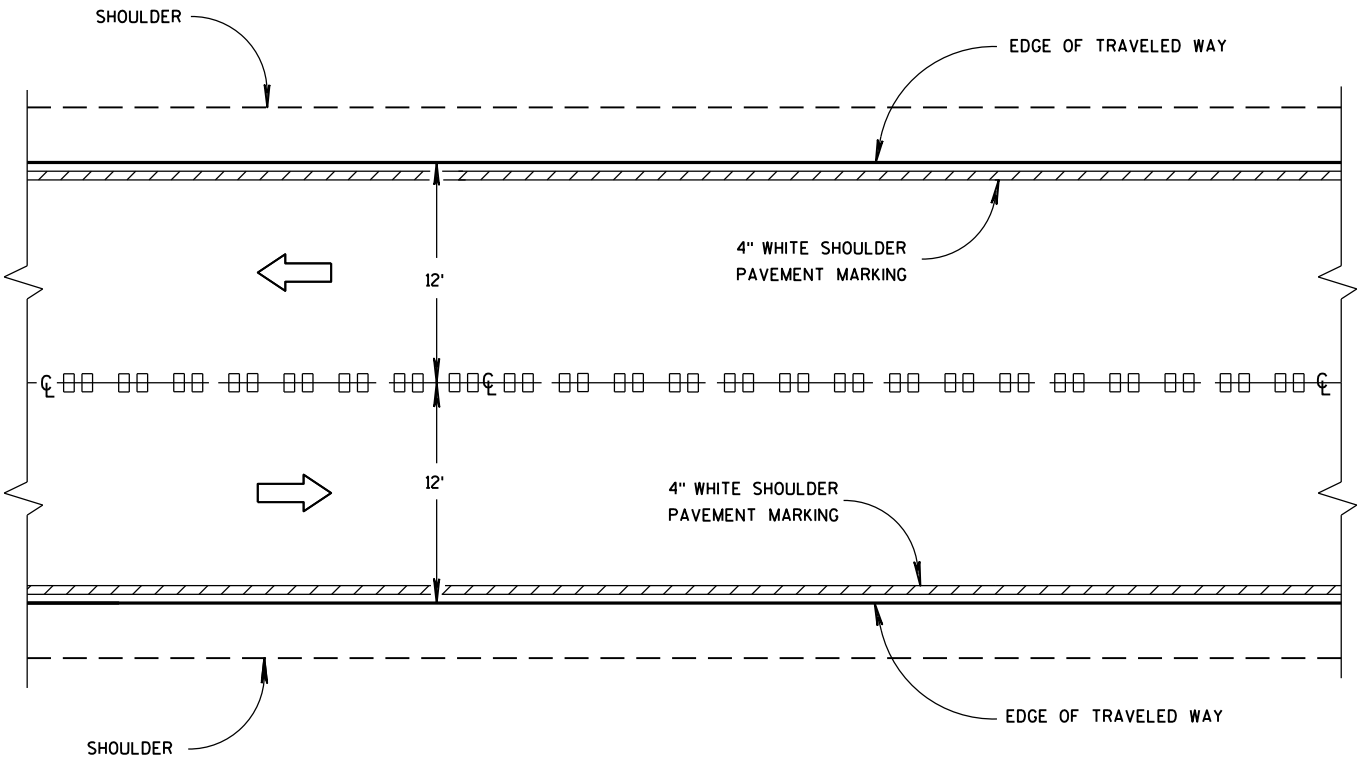


PLAN VIEW
(SINGLE GROOVE)

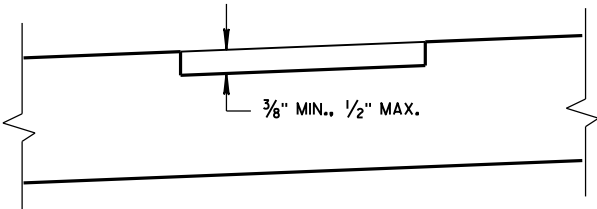


ISOMETRIC

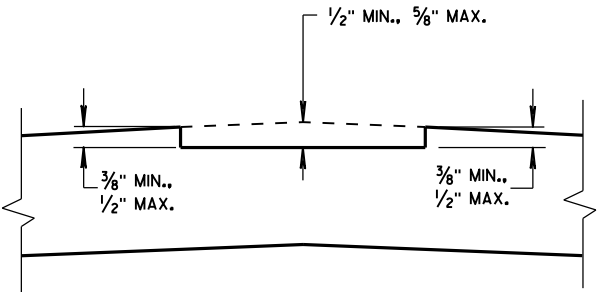
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



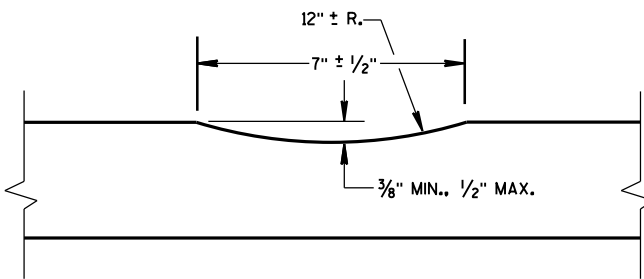
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



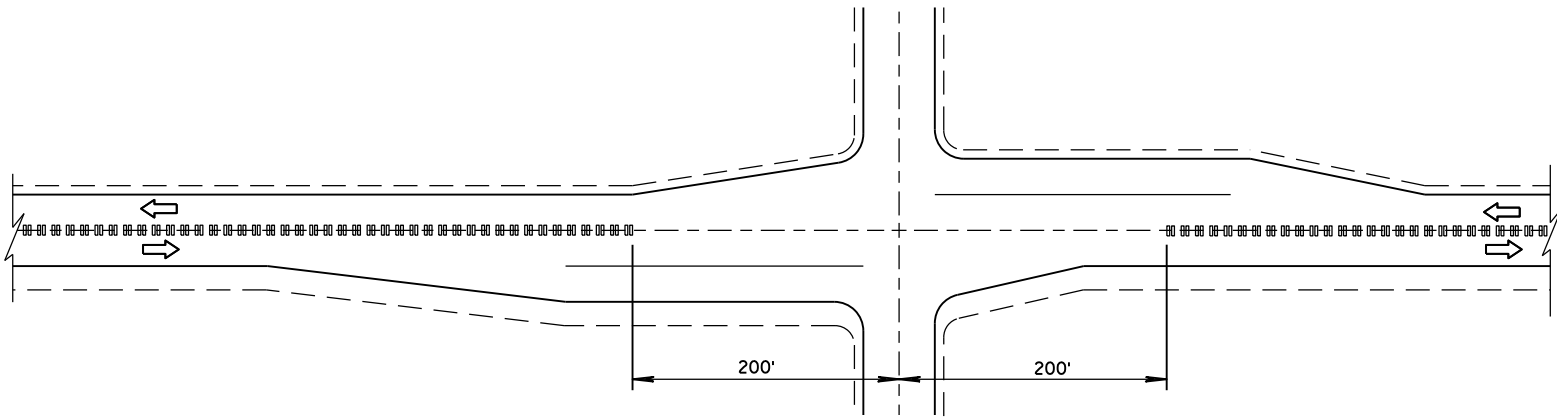
SECTION B-B
CROWNED ROADWAY



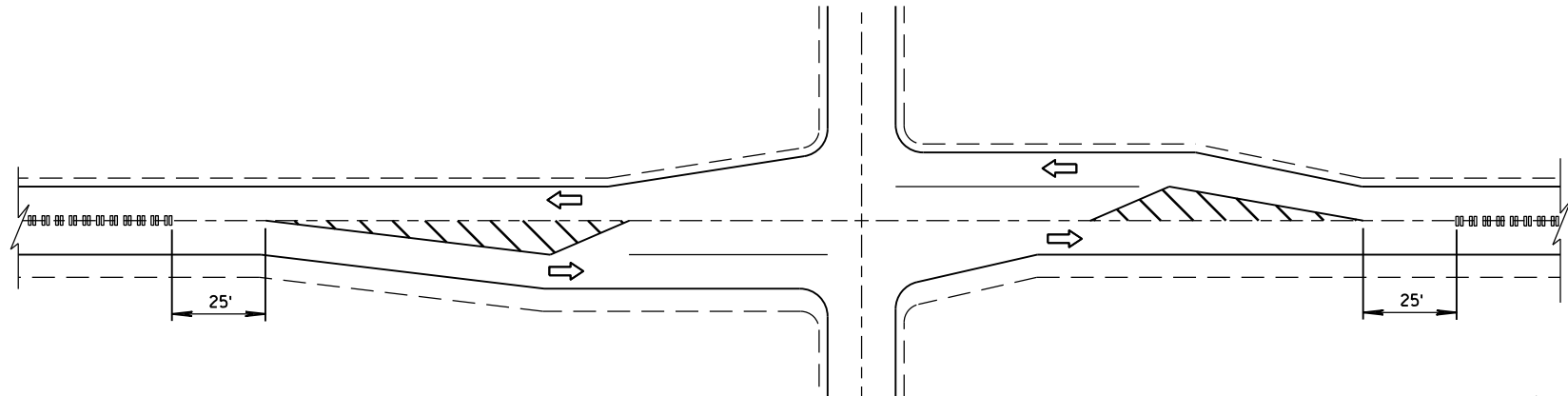
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

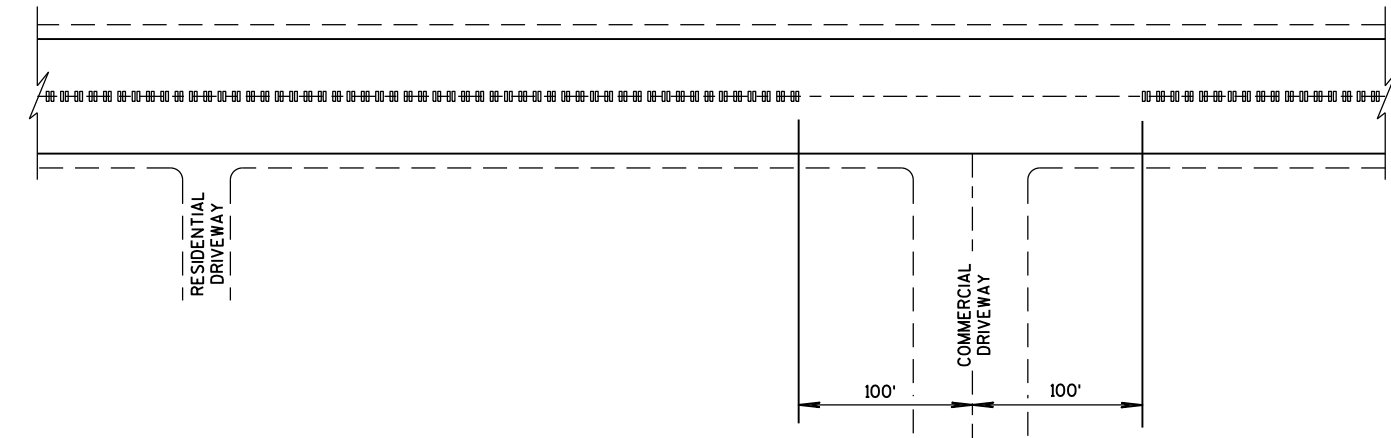
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

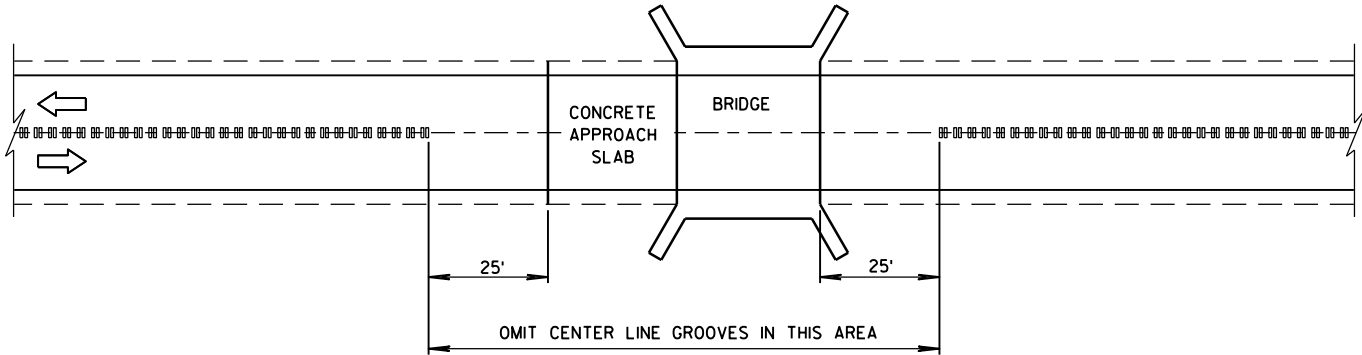


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

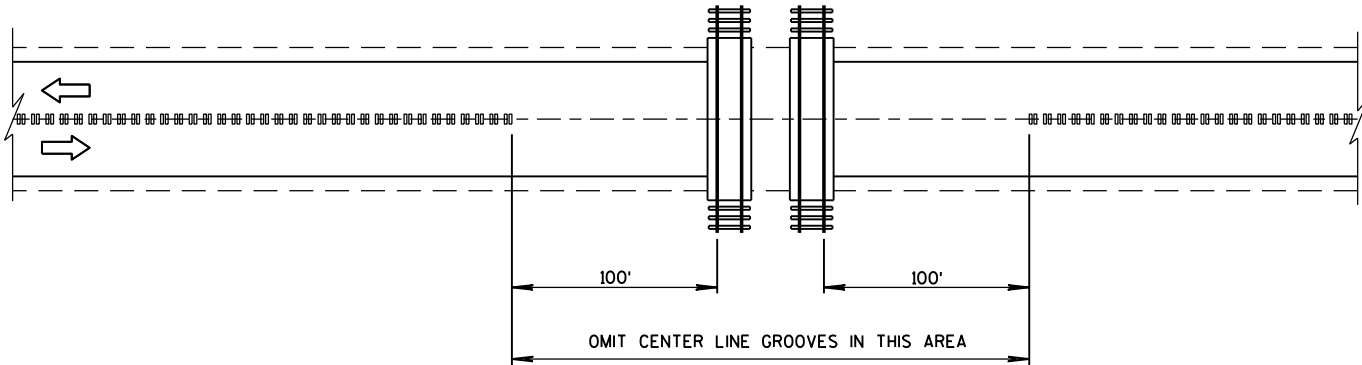


CENTER LINE GROOVES AT DRIVEWAYS¹

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

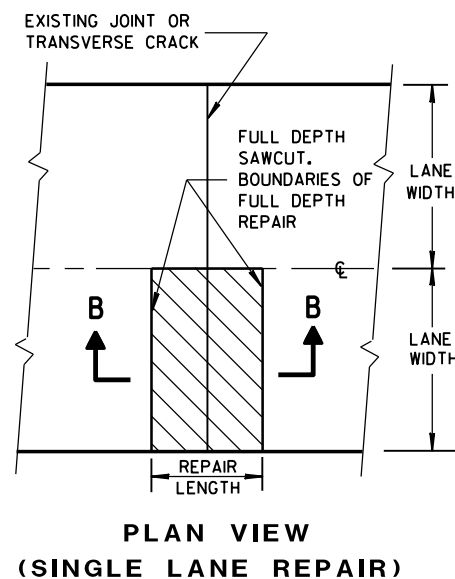
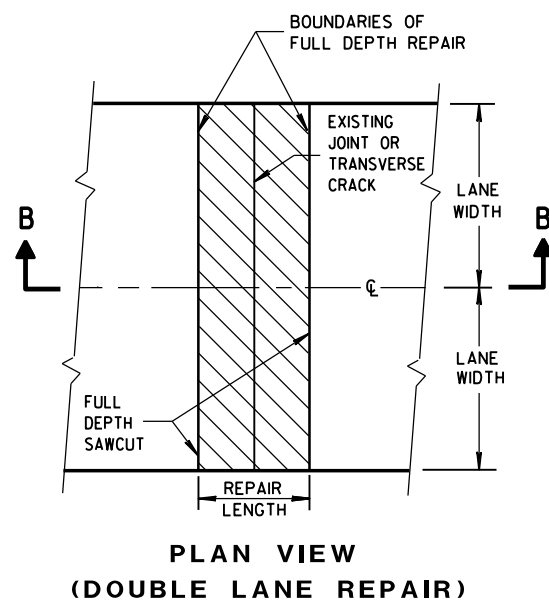
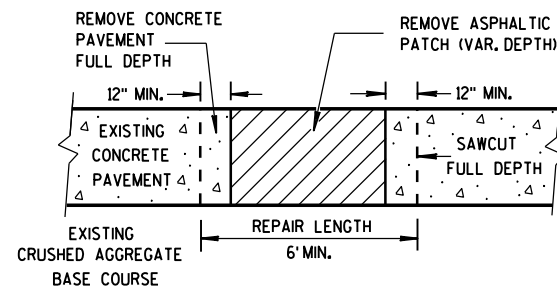
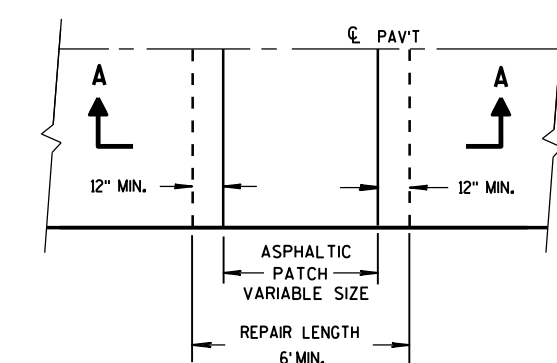


CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/15/2013 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	



FULL DEPTH CONCRETE PAVEMENT REMOVAL

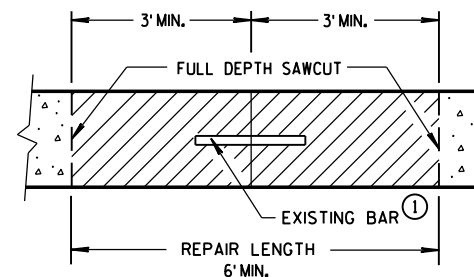
GENERAL NOTES

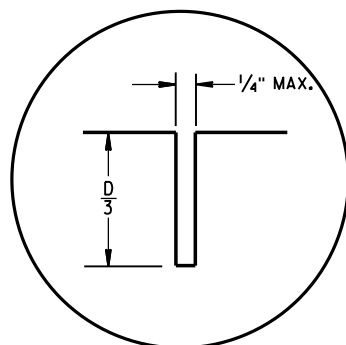
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

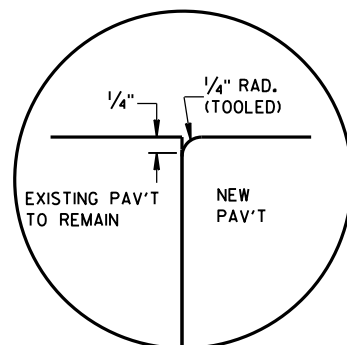
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

① DOWEL BARS MIGHT NOT EXIST.



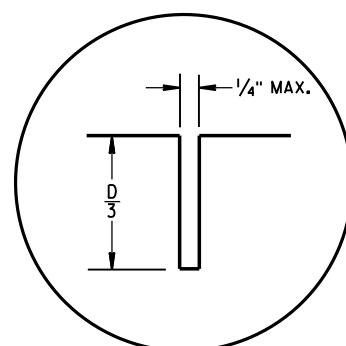


C1

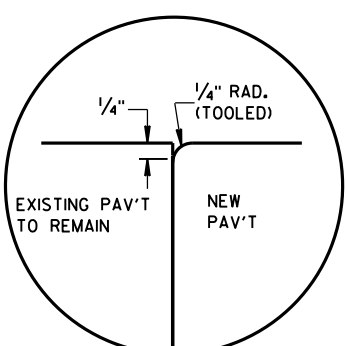


C2

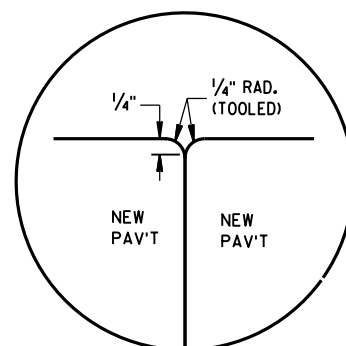
TRANSVERSE JOINTS



L1



L2



L3

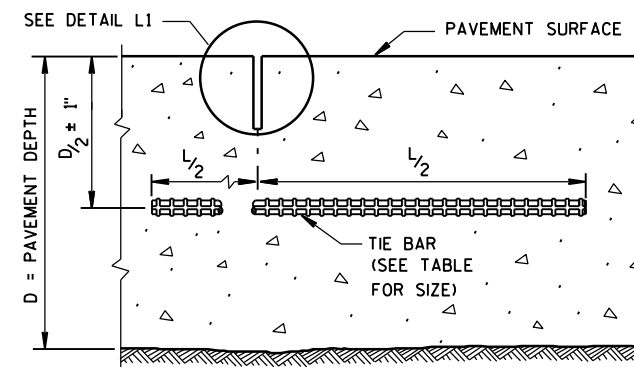
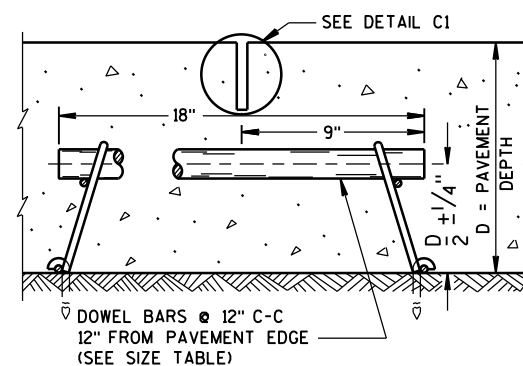
LONGITUDINAL JOINTS

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

SECTION C-C
SAWED LONGITUDINAL JOINTSECTION F-F
CONTRACTION JOINT

GENERAL NOTES

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

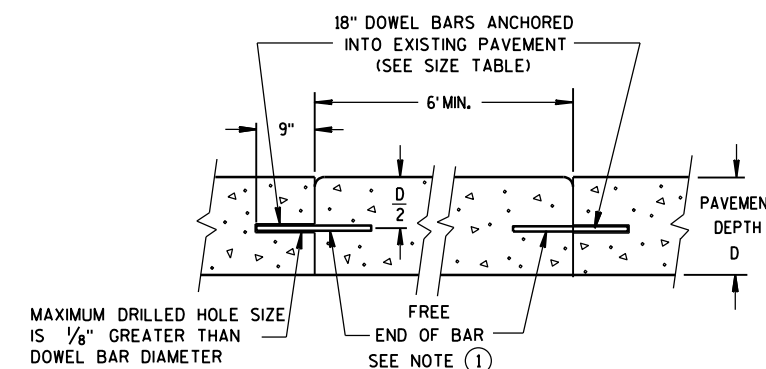
CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

DO NOT SEAL OR FILL JOINTS.

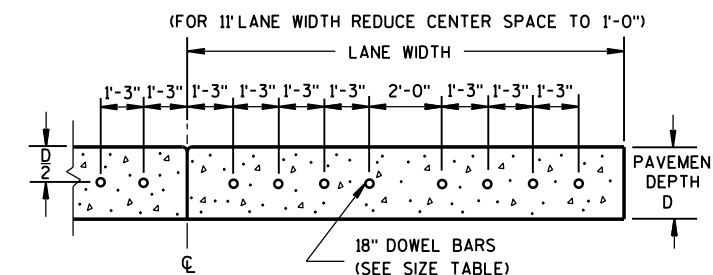
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

① APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



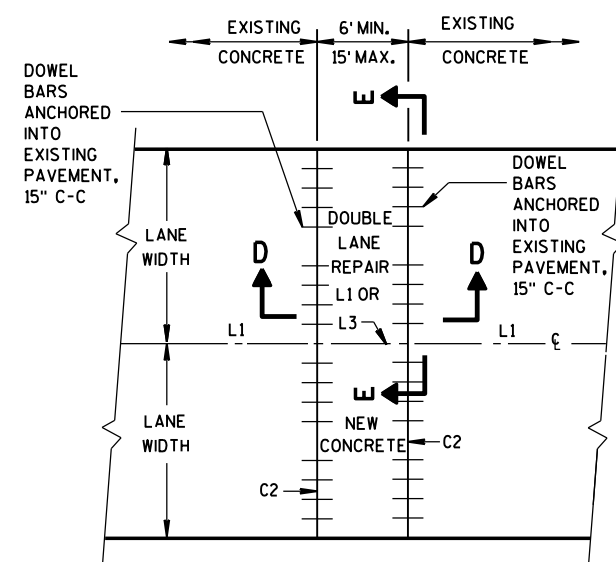
SECTION D-D

SECTION E-E
DRILLED DOWEL BAR CONSTRUCTION JOINTPAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	12'
7", 7 1/2"	1"	14'
8", 8 1/2"	1 1/4"	15'
9", 9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	15'

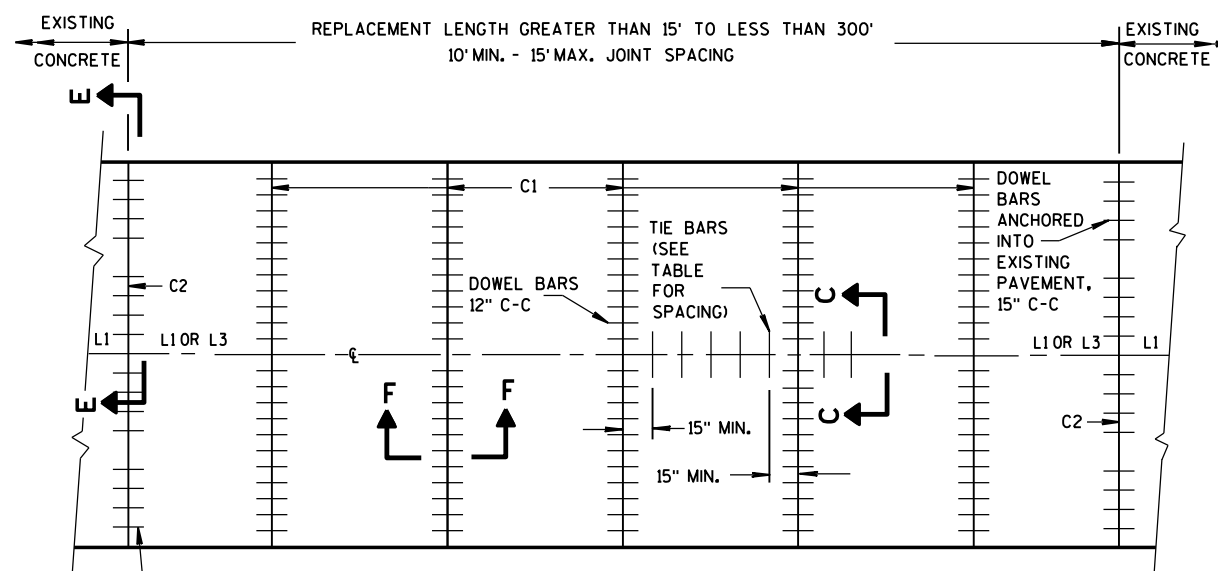
CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



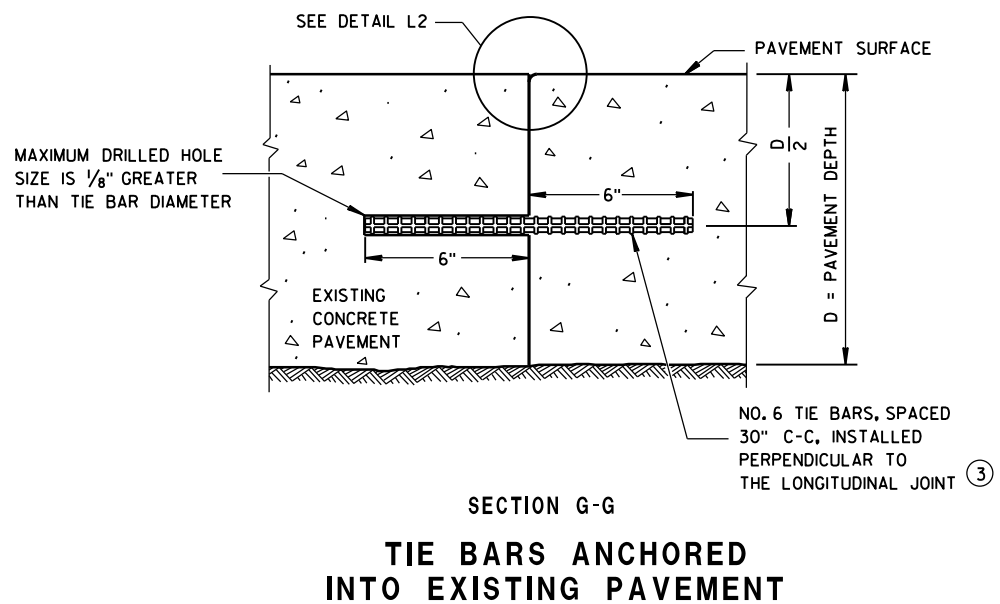
PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



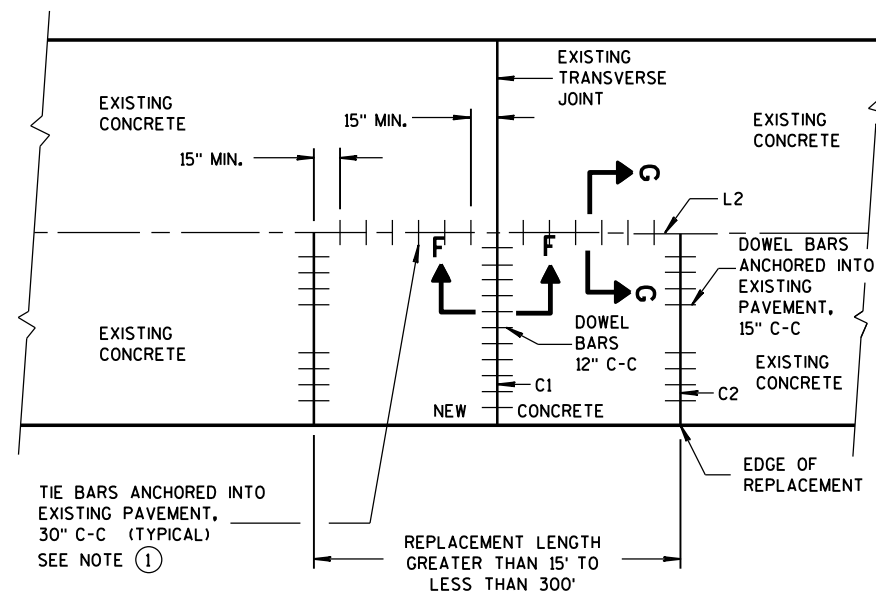
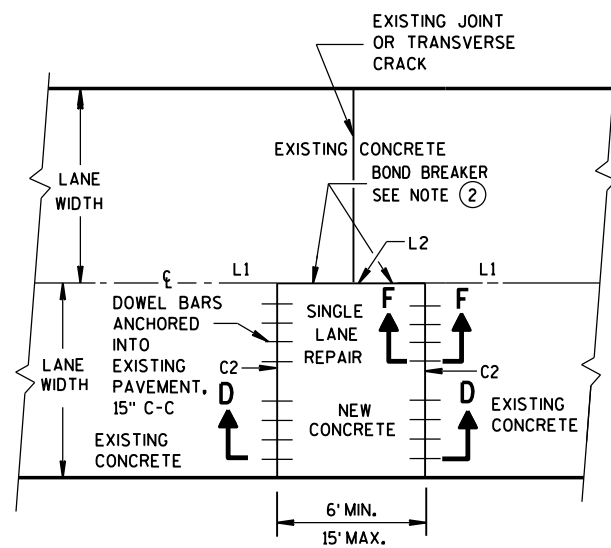
PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT



GENERAL NOTES

- ① WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- ② USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- ③ ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



**CONCRETE PAVEMENT
REPAIR AND REPLACEMENT**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2015
DATE
FHWA

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

6

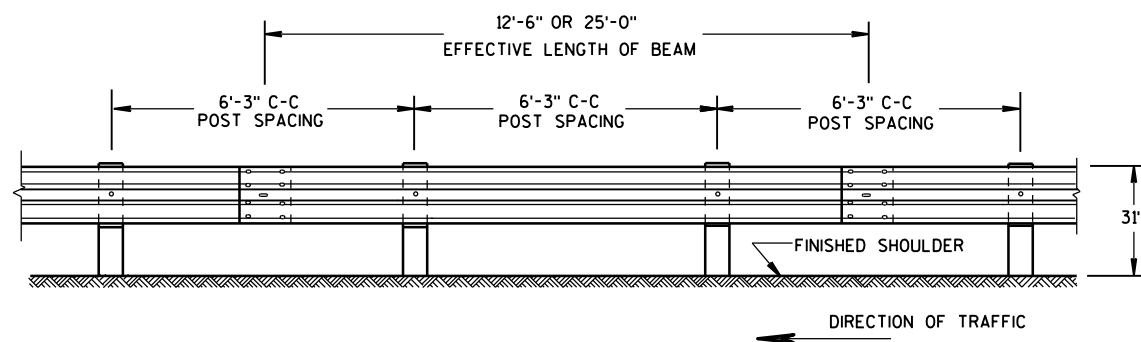
- S.D.D. 14 B 42-3a**



S.D.D. 14 B 42-3a

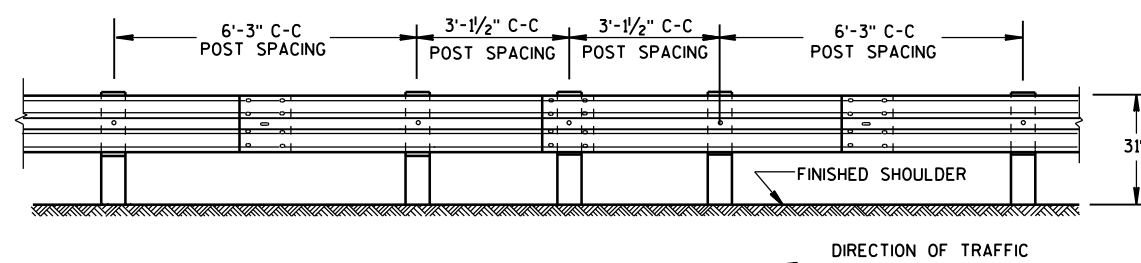


S.D.D. 14 B 42-3a



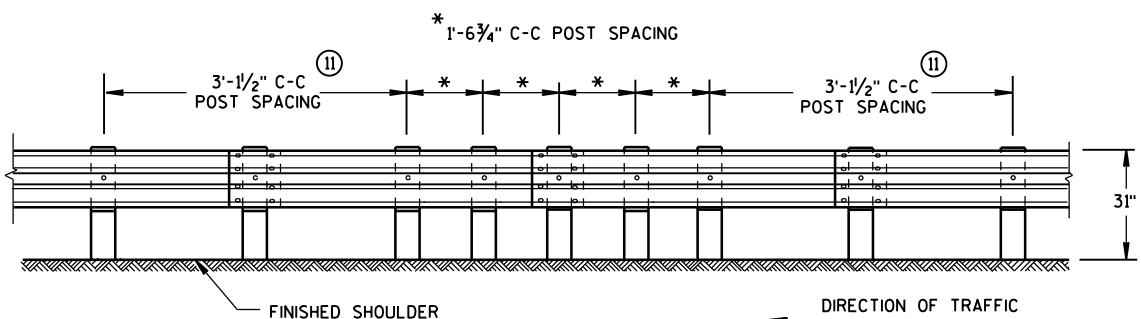
FRONT VIEW

POST SPACING STANDARD INSTALLATION



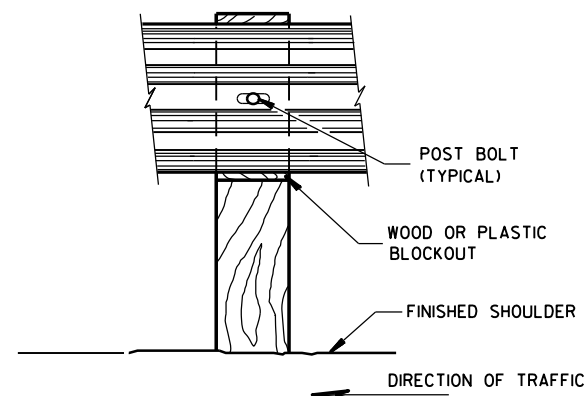
FRONT VIEW

HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)

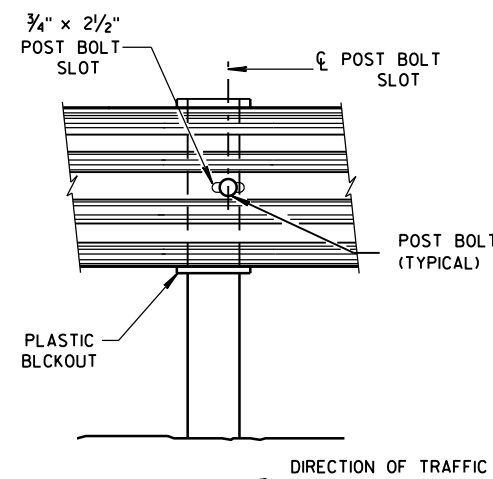


FRONT VIEW

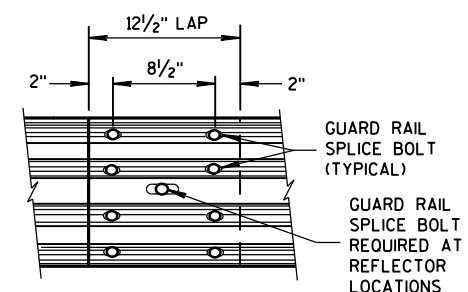
QUARTER POST SPACING (QS)



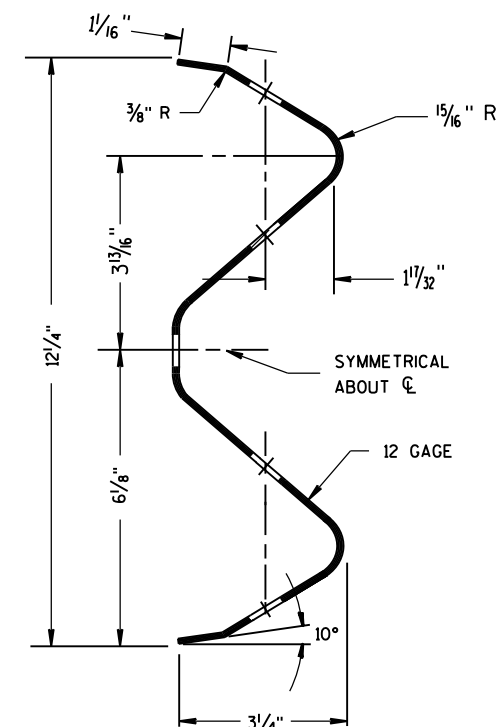
FRONT VIEW AT WOOD POST



FRONT VIEW AT STEEL POST



FRONT VIEW
MID-SPAN BEAM SPLICE

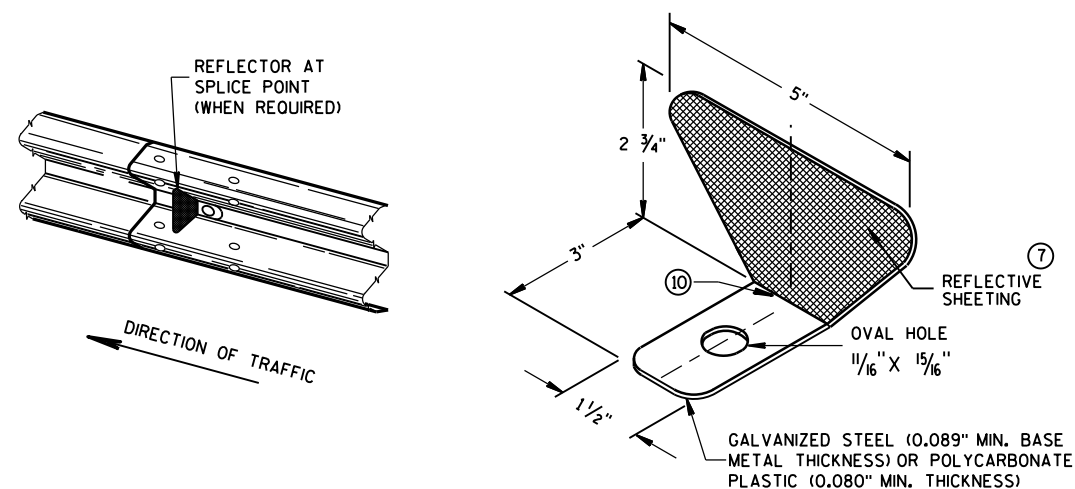


SECTION THRU W-BEAM RAIL

REFLECTOR SPACING ^⑧				
	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTOR
ONE WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	1 1	3
TWO WAY TRAFFIC	< 200' > 200'	25' C-C 50' C-C	1 ^⑨ 1	6
TWO WAY TRAFFIC	< 200' > 200'	50' C-C 100' C-C	2 2 ^⑩	3

**MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



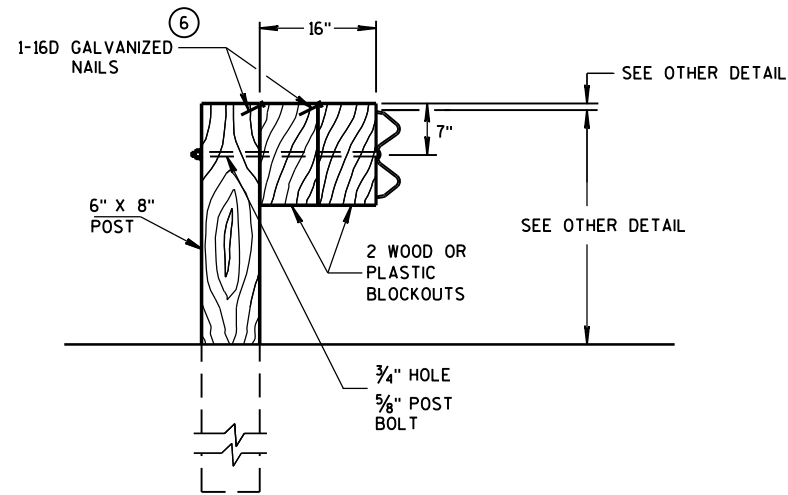
ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

- ⑦ PROVIDE SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH YELLOW REFLECTIVE SHEETING. SHEETING IS TYPE H. SEE STANDARD SPECIFICATION 637.
- ⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL. RAIL SPLICE LOCATIONS ARE THE ONLY ACCEPTABLE LOCATIONS FOR REFLECTORS.
- ⑨ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- ⑩ PROVIDE AN ANGLE OF BEND OF $90^\circ \pm 1^\circ$ FOR TWO-SIDED REFLECTORS.
- ⑪ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

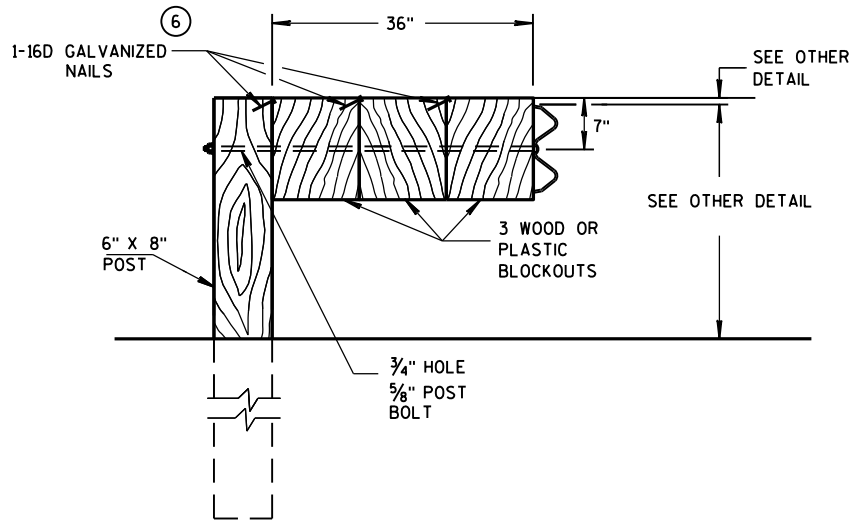
POST BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 5/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 5/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 5/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



DETAIL FOR 16" BLOCKOUT DEPTH

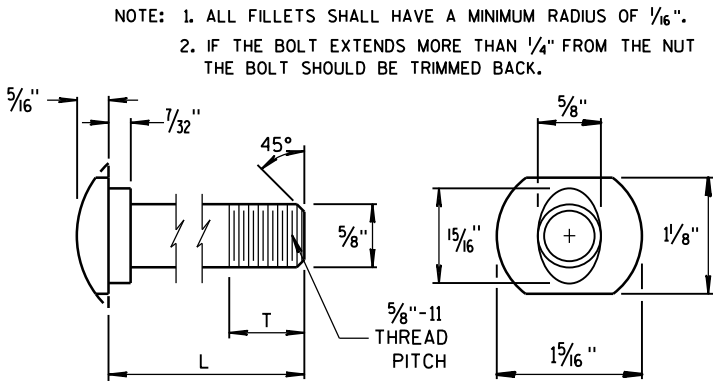
IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



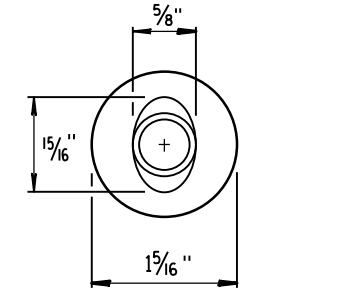
DETAIL FOR 36" BLOCKOUT DEPTH

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

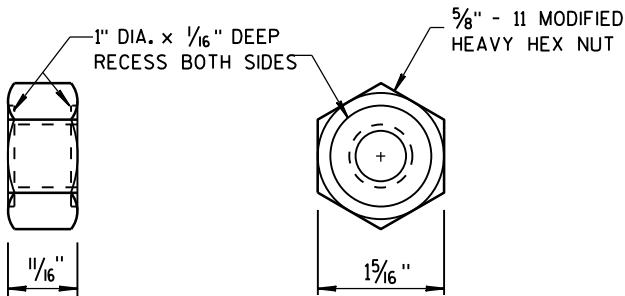
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



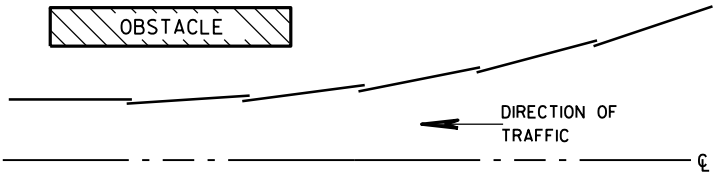
POST BOLT TABLE



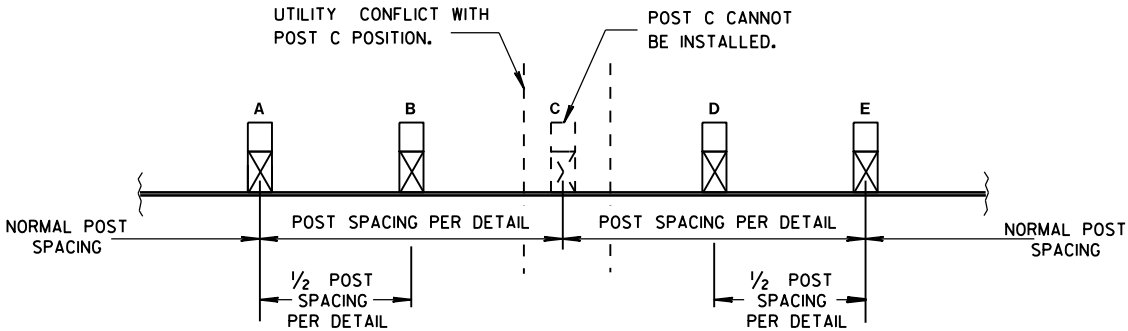
ALTERNATE BOLT HEAD



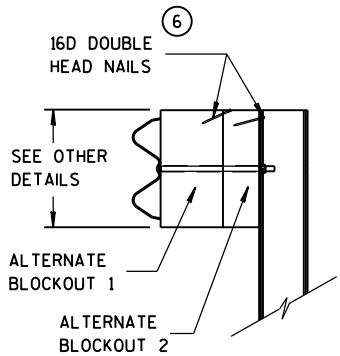
POST BOLT AND RECESS NUT



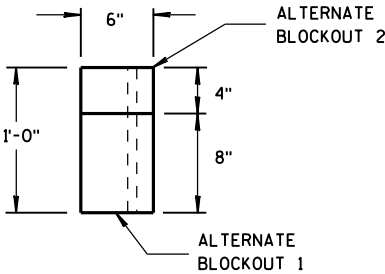
PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS
UNDERGROUND OBSTRUCTION



SIDE VIEW



TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

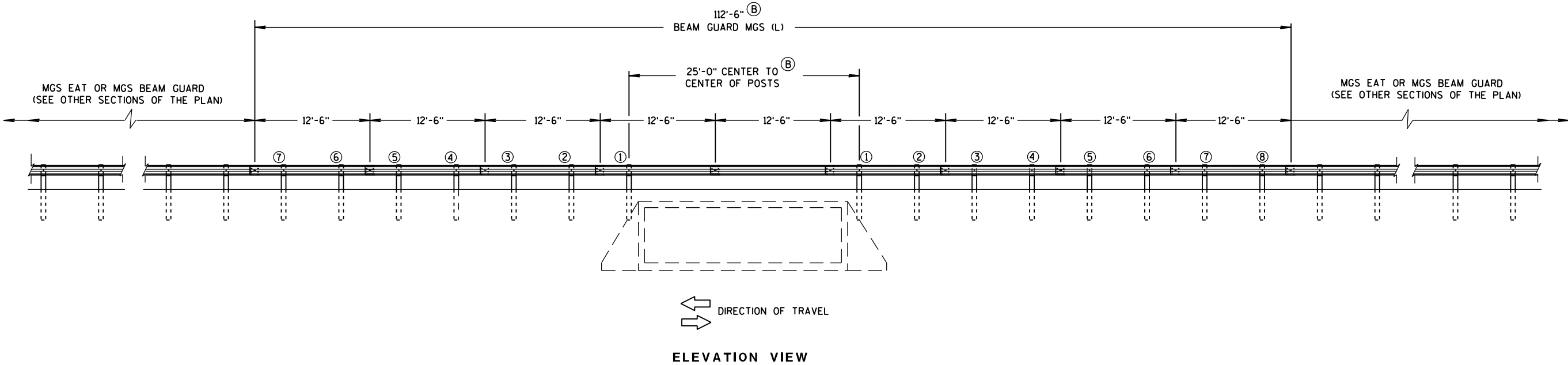
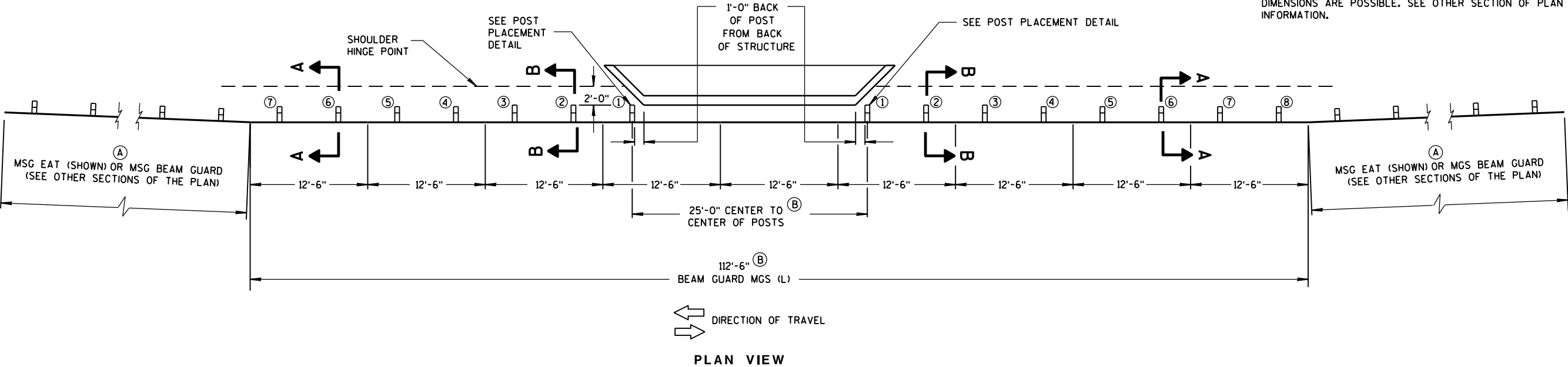
APPROVED
June 2014
DATE /S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

SEE SDD 14 B 42 FOR MORE DETAILS.

- (A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.
- (B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

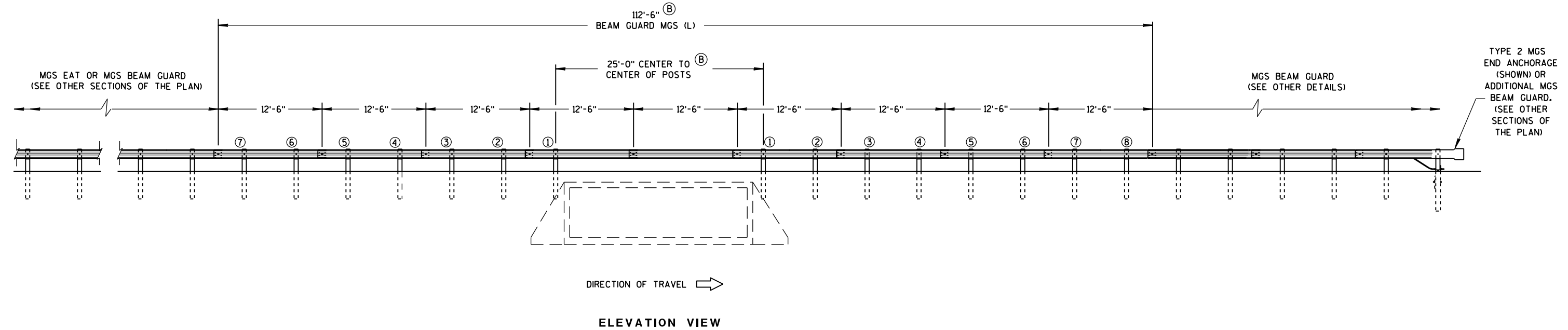
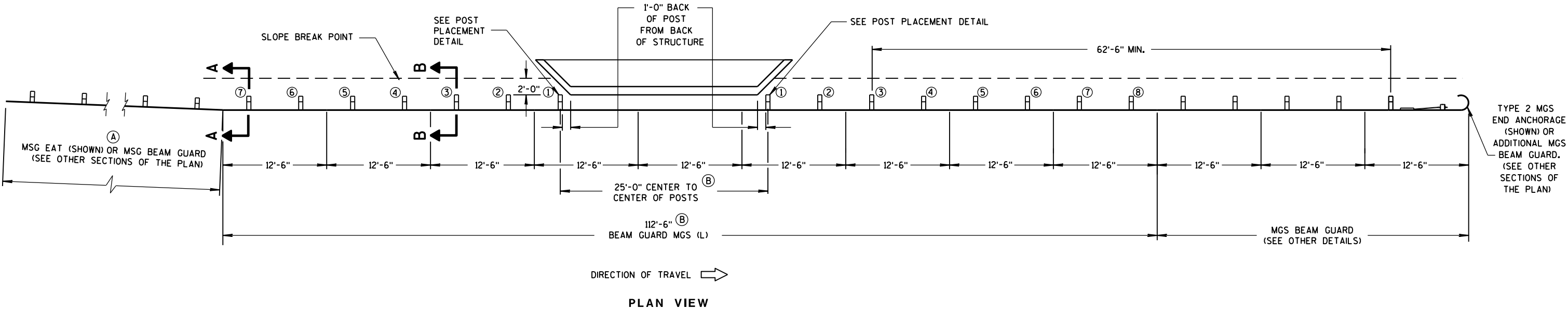
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

SEE SDD 14 B 42 FOR MORE DETAILS.

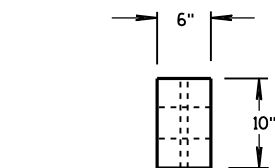
- (A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.
- (B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



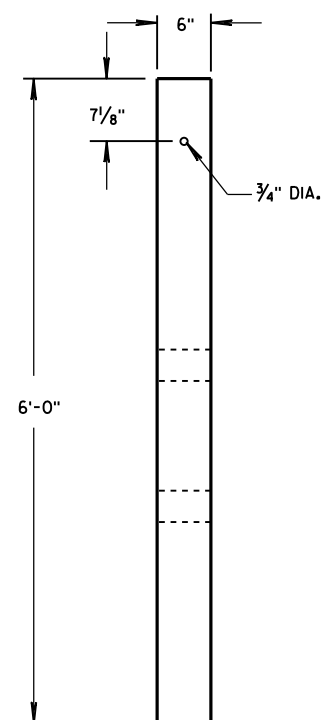
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

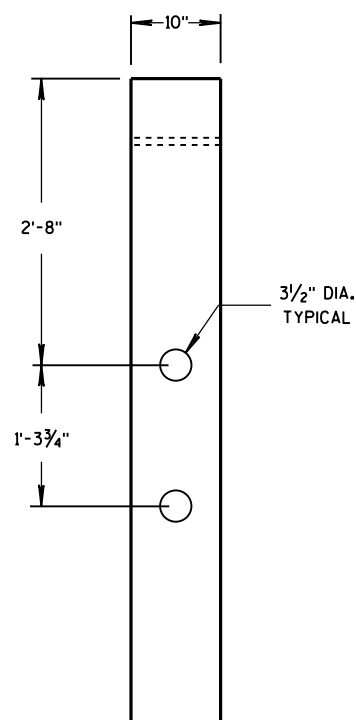


PLAN VIEW

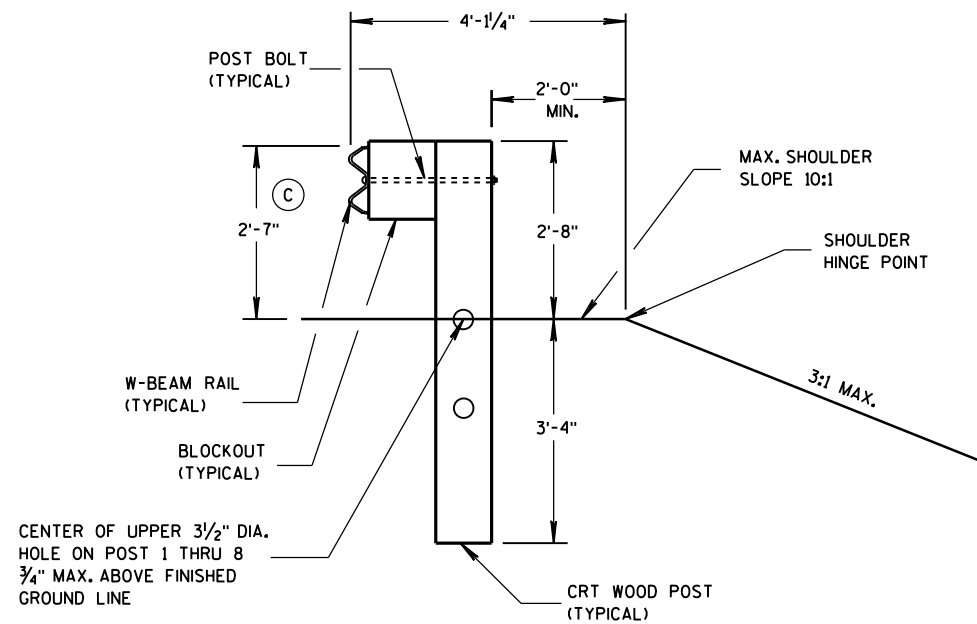


FRONT VIEW

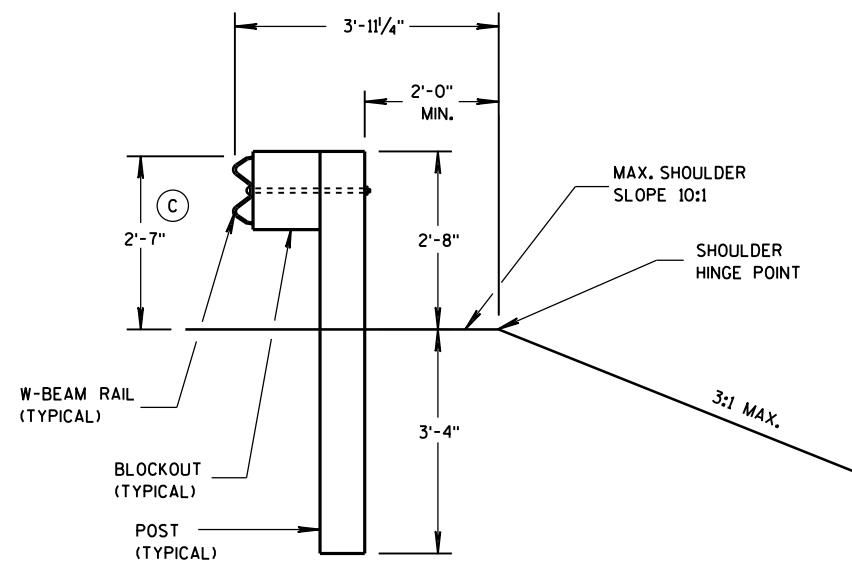
CRT WOOD POST



SIDE VIEW

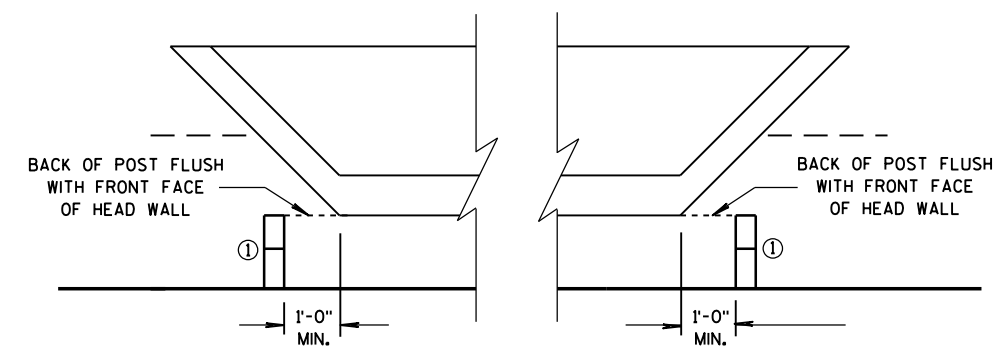
SECTION B-B
POSTS NO. 1-3

SEE OTHER DETAILS

SECTION A-A
POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS $\pm 1"$.

POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATIONAPPROVED
5/10/2013
DATE
FHWA/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

GENERAL NOTES

- (A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- (B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.
- (C) DIFFERENT MANUFACTURES REQUIRE DIFFERENT PERFORATED W-BEAM RAIL END PANELS. SEE MANUFACTURES INFORMATION.
- (D) THE TOP OF THE STEEL TUBE ON POST 1 AND POST 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.
- (E) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS, ONE SCREW PER CORNER.
- (G) 1/2" DIAMETER X 3" LONG LAG BOLT AND WASHER.
- (H) HARDWARE VARIES BETWEEN DIFFERENT MANUFACTURES. SEE MANUFACTURE'S DRAWING FOR INFORMATION.
- (I) DIMENSIONS MAY VARY. SEE MANUFACTURE'S INFORMATION.

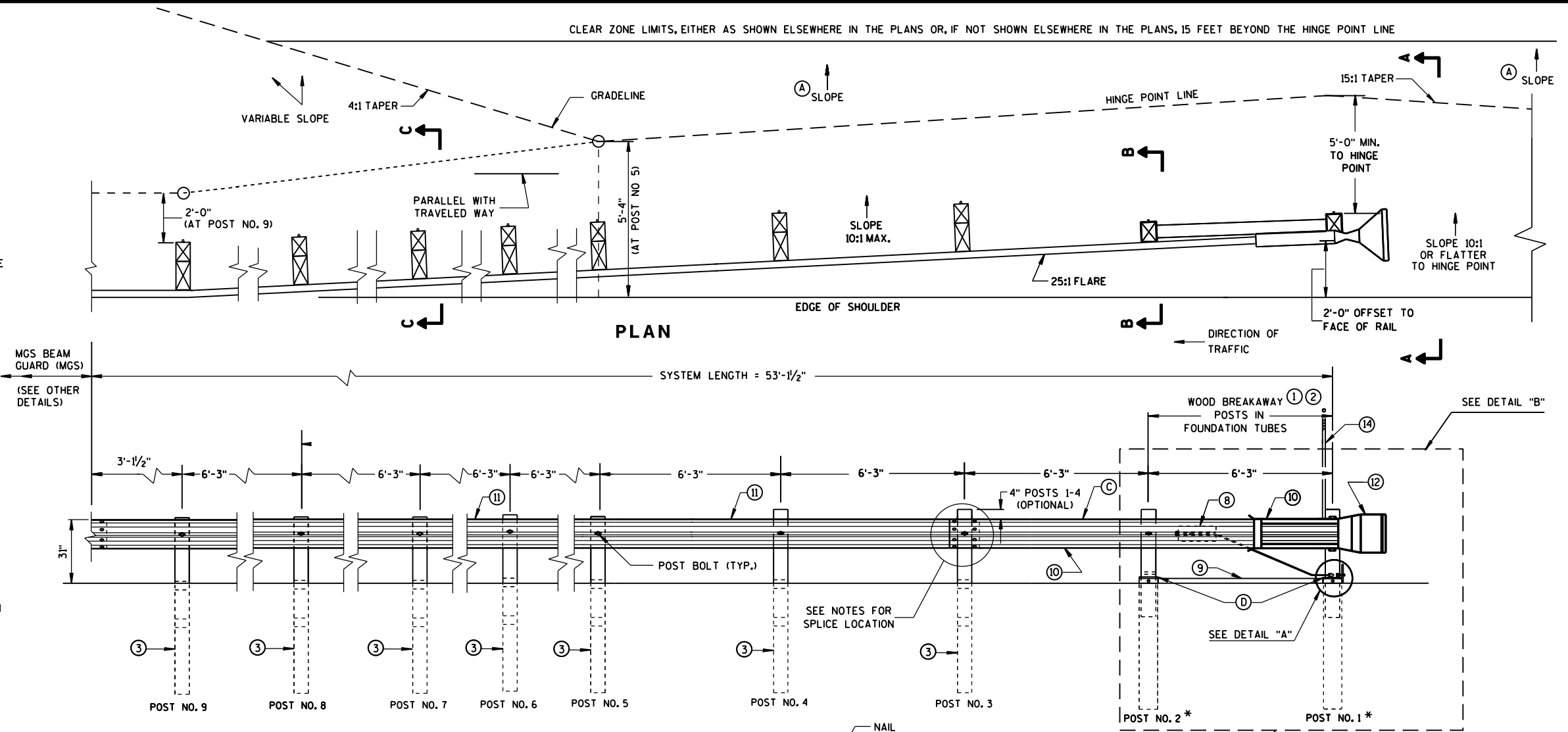
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

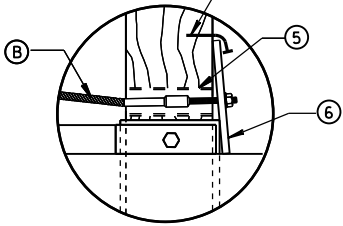
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

W-BEAM RAIL SPLICES ARE LOCATED AT POST NUMBER 3, AND BETWEEN POST 5 AND 6, BETWEEN POSTS 7 AND 8, AND MIDDLE OF THE SPAN AFTER POST 9.

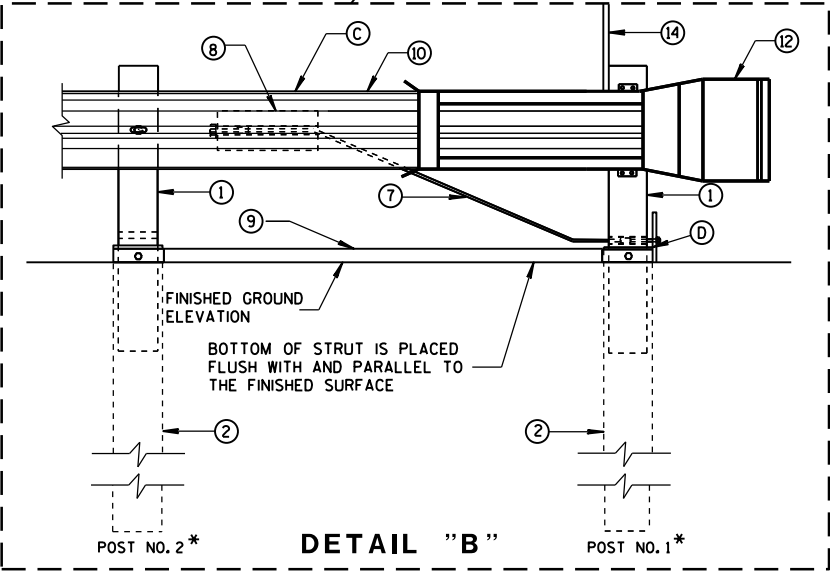
THE CENTER OF THE UPPER 3/2" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE.



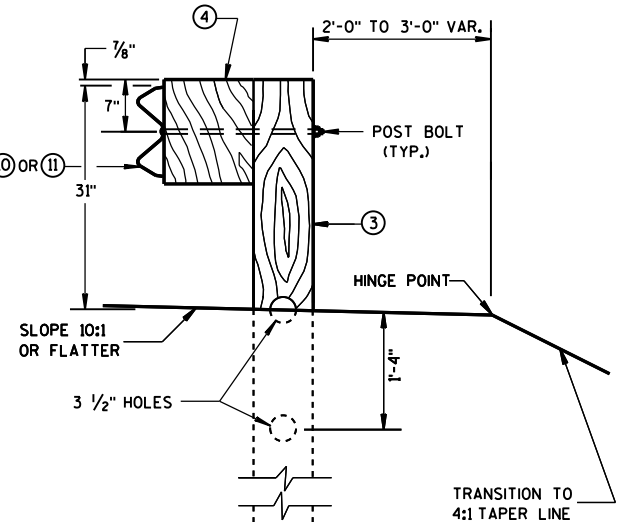
ELEVATION



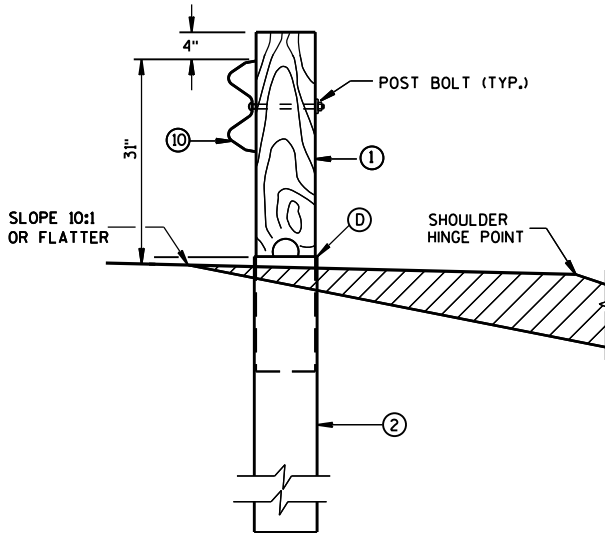
DETAIL "A"



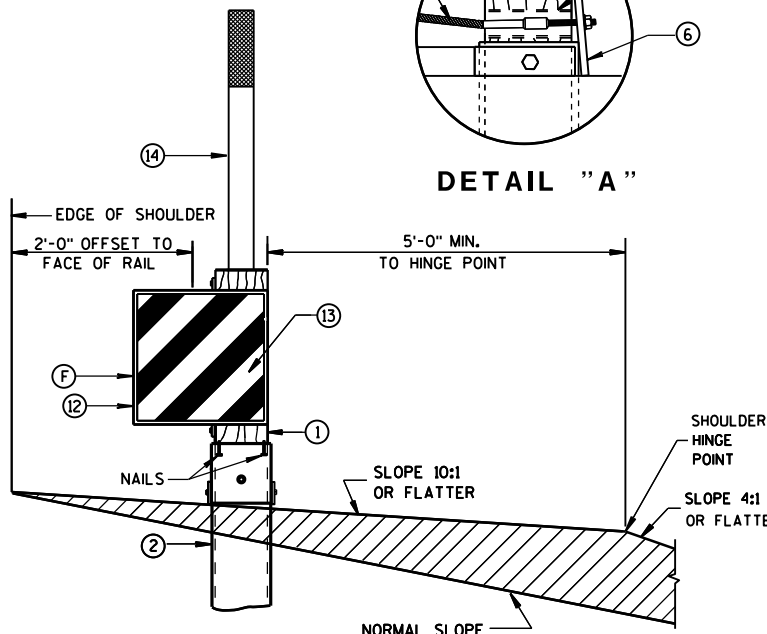
DETAIL "B"



SECTION C-C
TYPICAL AT POST NOS. 3-9



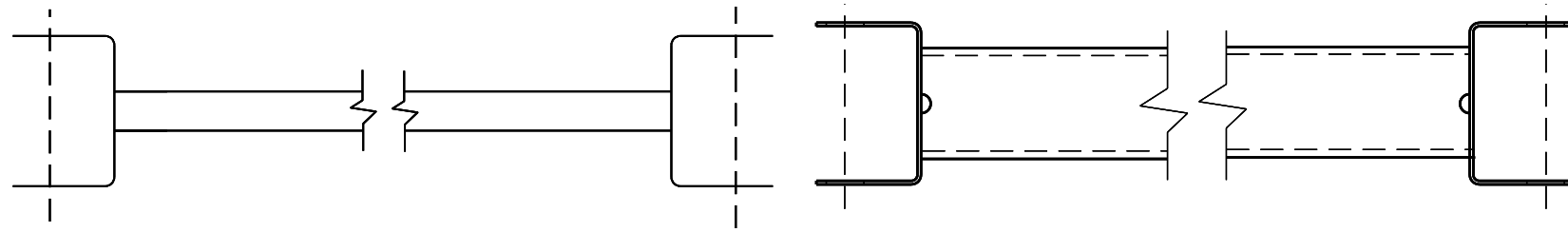
SECTION B-B
TYPICAL AT POST NO. 2*



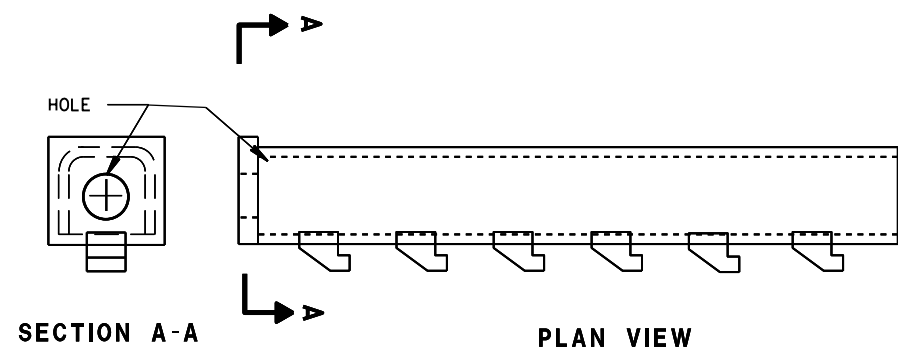
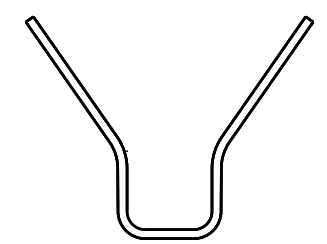
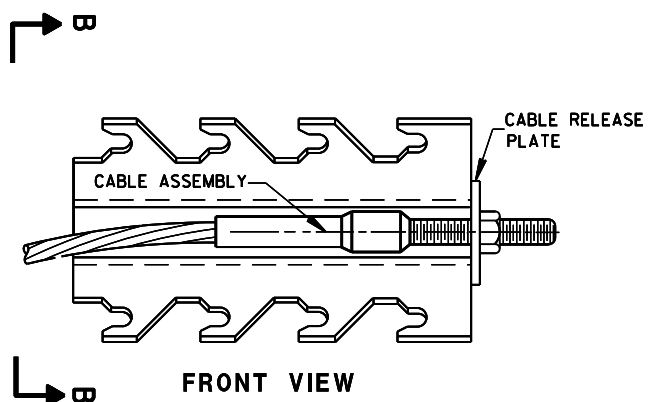
SECTION A-A
TYPICAL AT POST NO. 1*

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



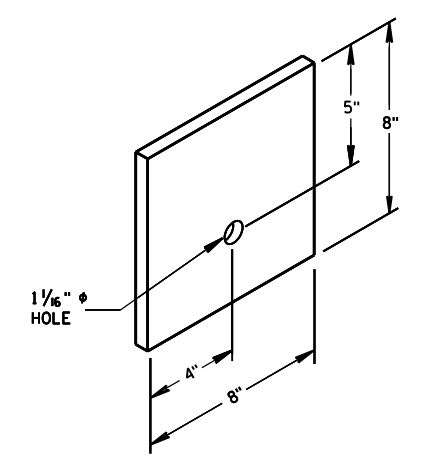
9 H
GENERIC GROUND STRUT



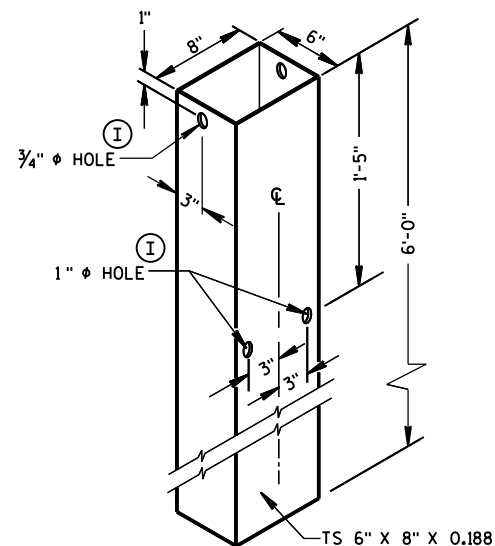
8 H
GENERIC ANCHOR CABLE BOX

BILL OF MATERIALS

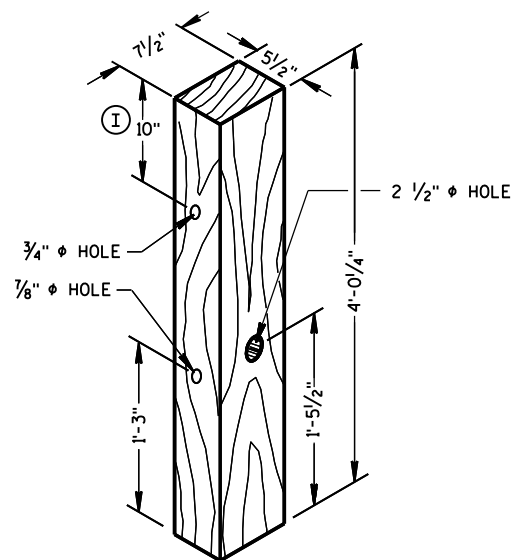
PART NO.	DESCRIPTION
MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.	
①	WOOD BREAKAWAY POST
②	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	END SECTION EAT
⑬	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS
⑭	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



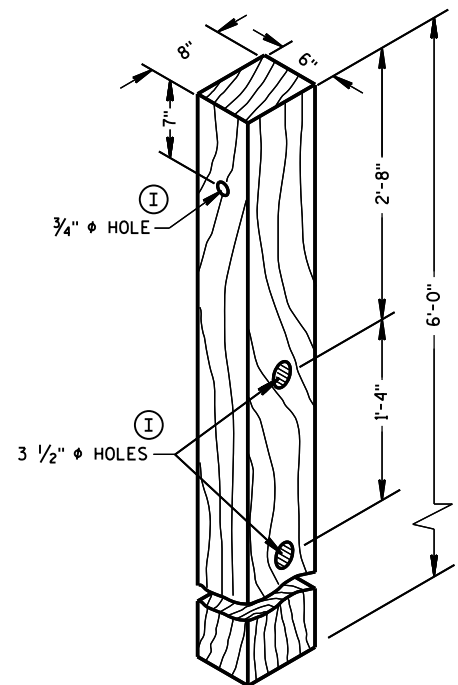
⑥
BEARING PLATE



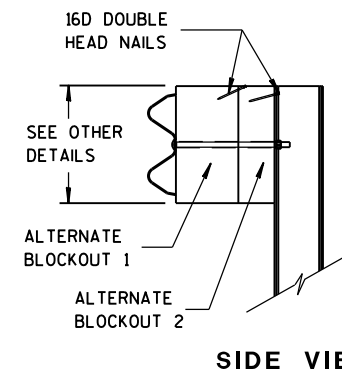
FOUNDATION TUBE ②



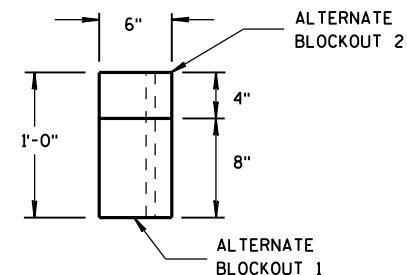
POSTS NUMBER 1 AND 2
WOOD BREAKAWAY POST ①



POSTS NUMBER 3-9
WOOD CRT POST ③

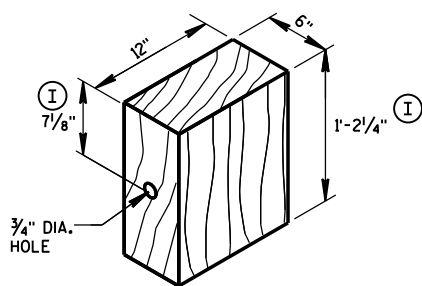


SIDE VIEW



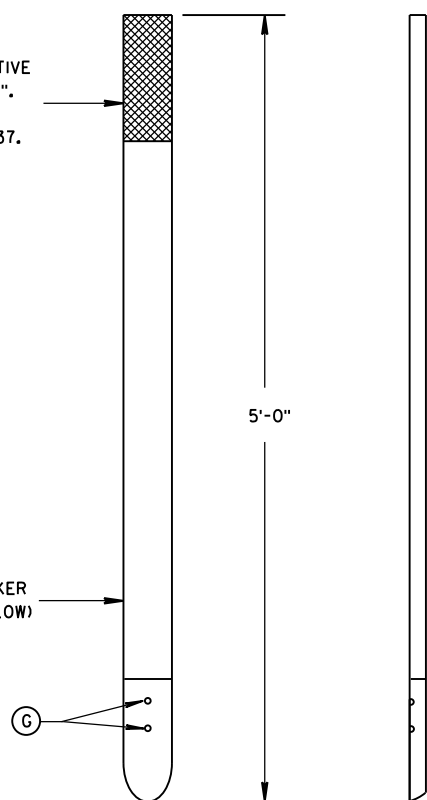
TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL



WOOD BLOCKOUT ④
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

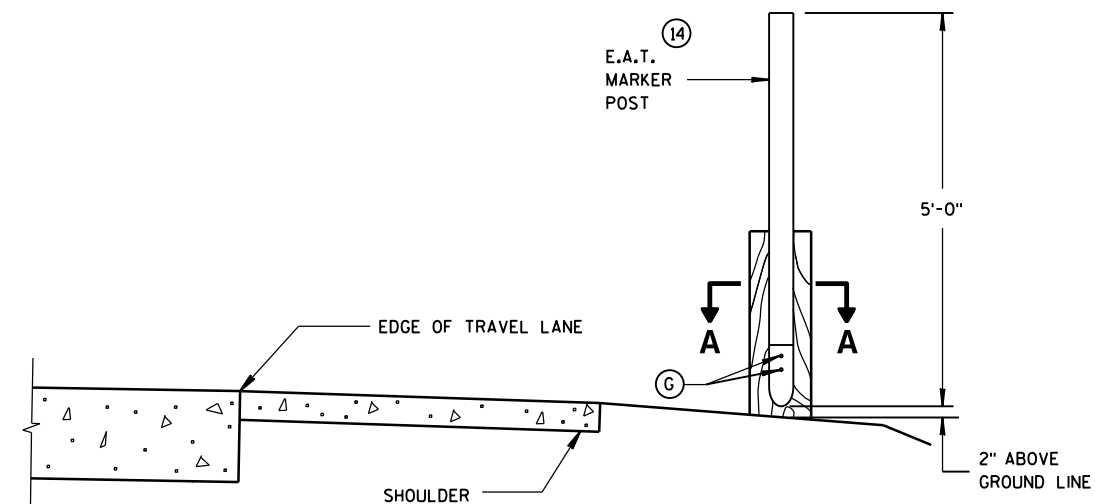
TYPE H
YELLOW REFLECTIVE
SHEETING 3" X 9".
SEE STANDARD
SPECIFICATION 637.



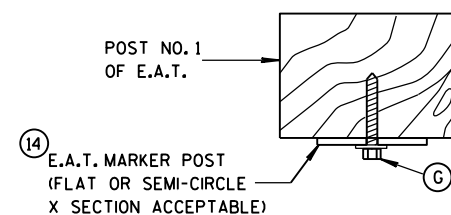
FRONT VIEW

SIDE VIEW

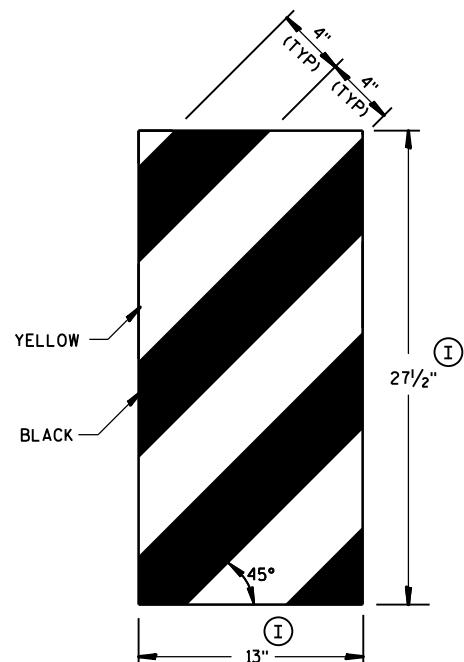
E.A.T. MARKER POST ⑭



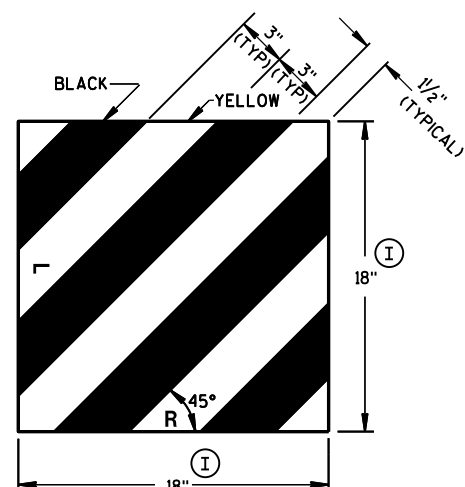
TYPICAL INSTALLATION OF E.A.T.
MARKER POST BACKSIDE OF POST NO. 1
(E.A.T. AND RAIL REMOVED FOR CLARITY)



SECTION A-A



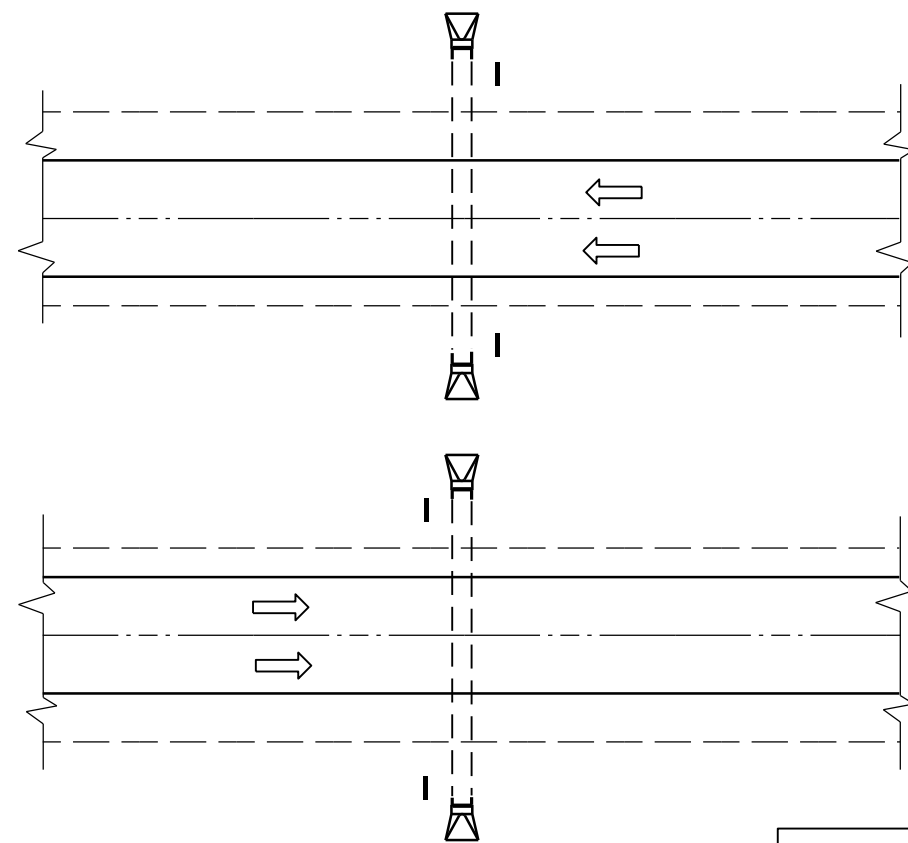
GENERIC REFLECTIVE SHEETING ⑬ ①



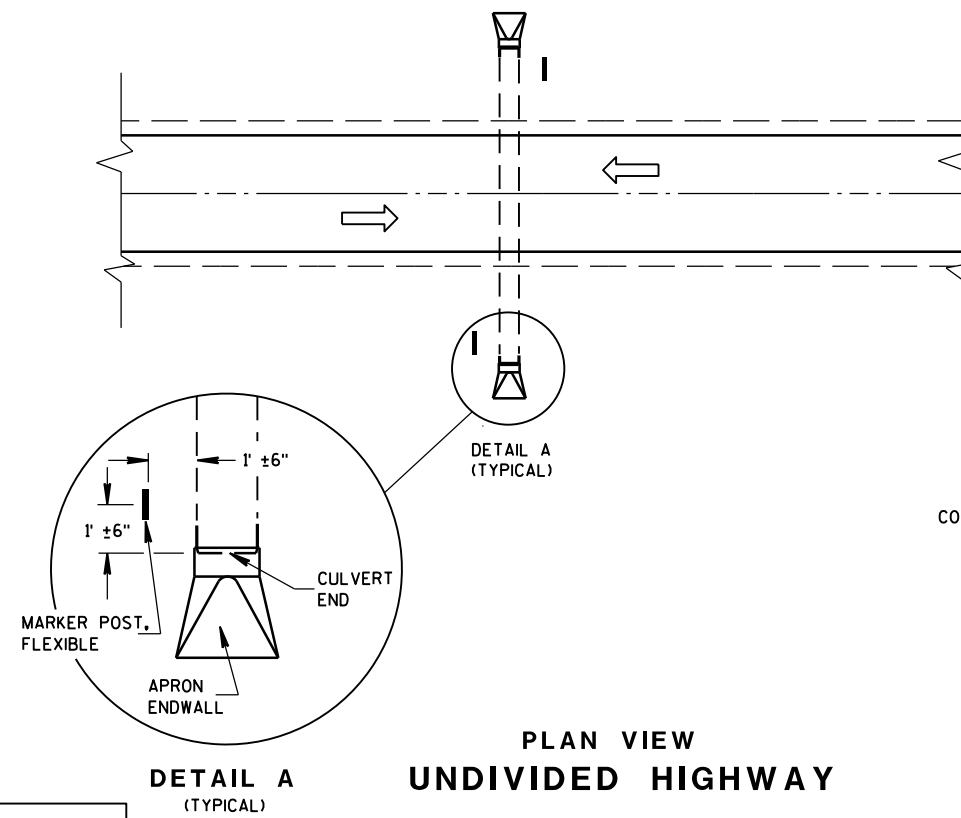
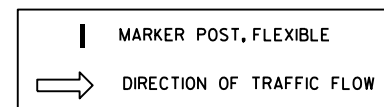
MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2014 /S/ Jerry H. Zogg
DATE ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA



PLAN VIEW
DIVIDED HIGHWAY

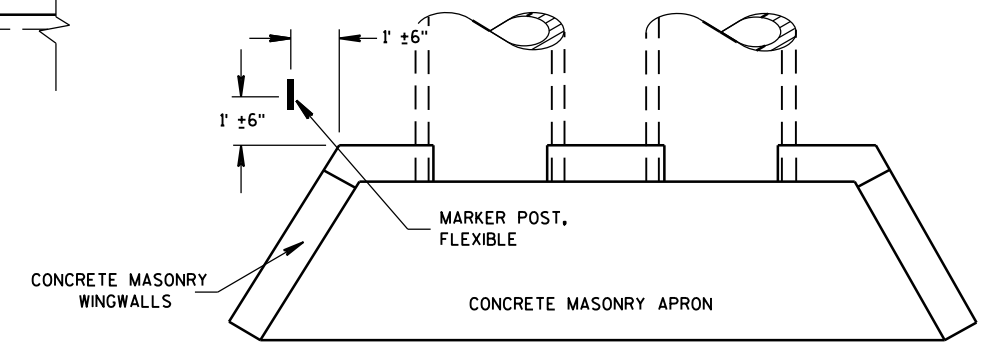


PLAN VIEW
UNDIVIDED HIGHWAY

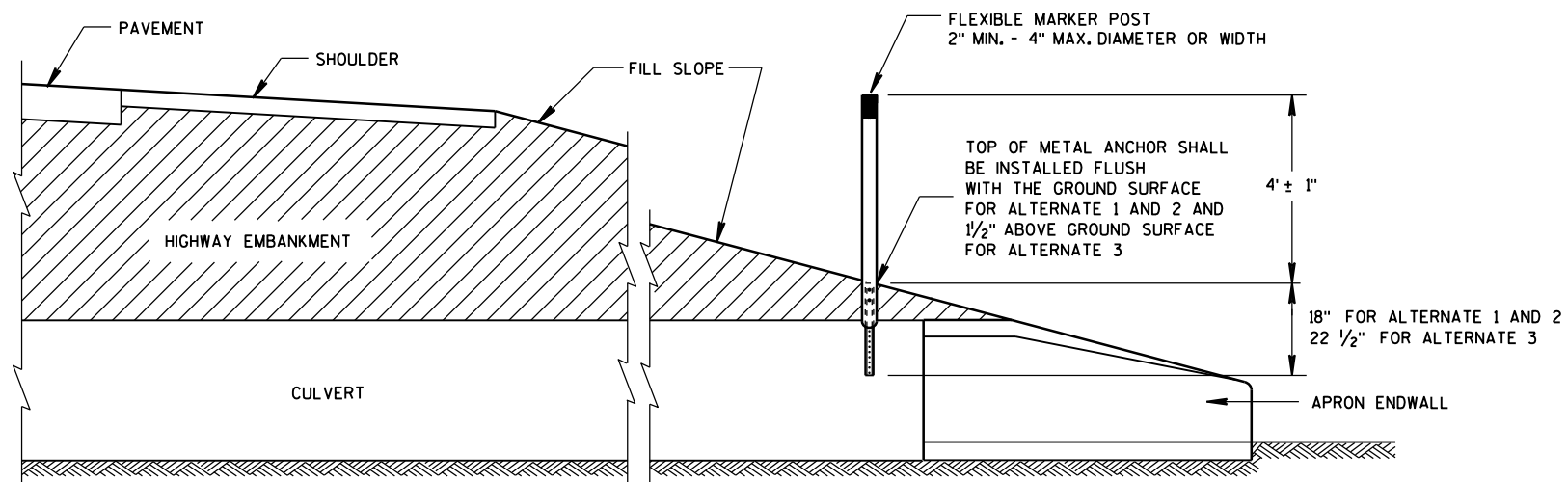
FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

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



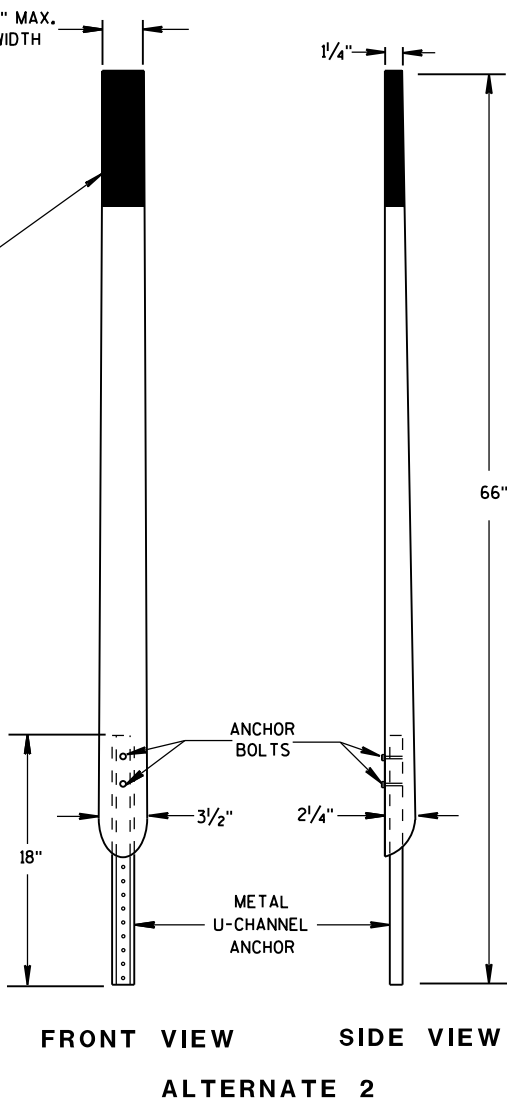
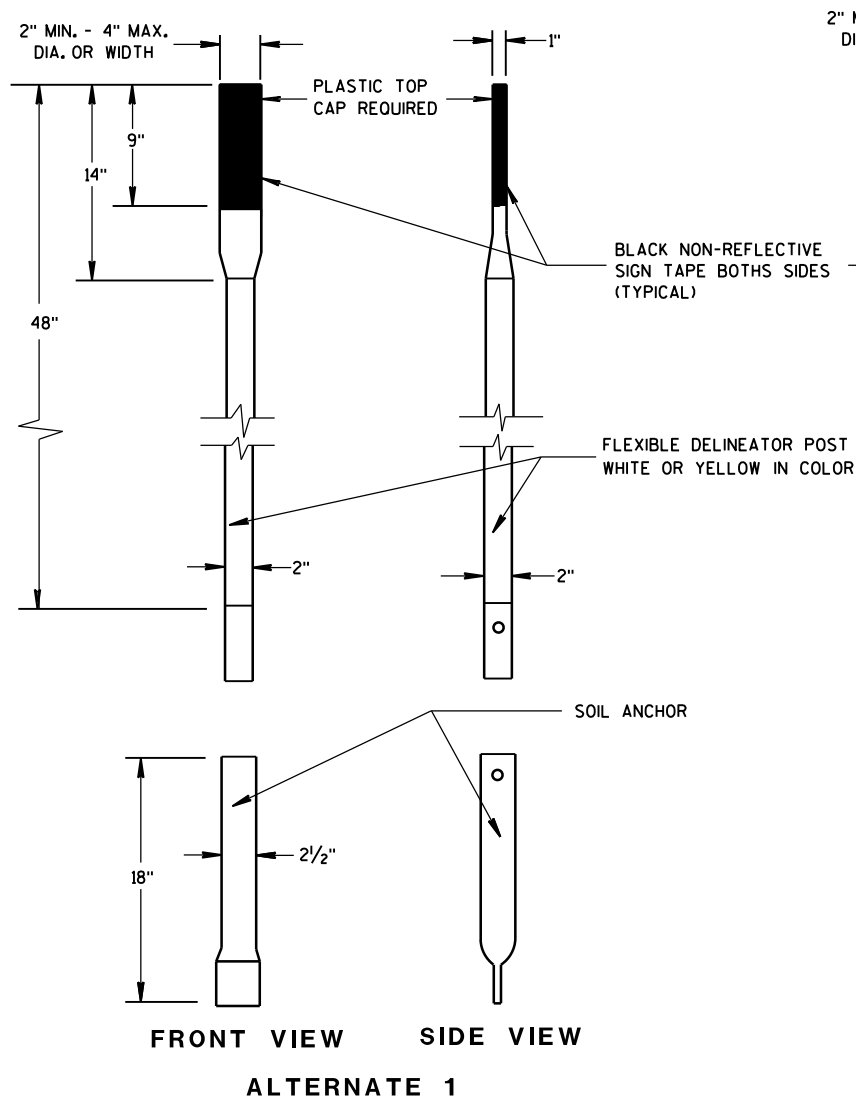
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



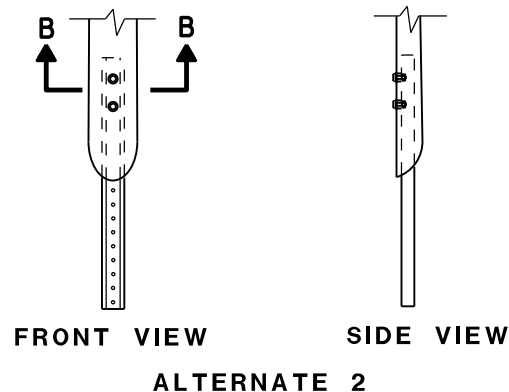
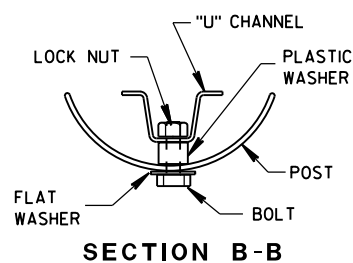
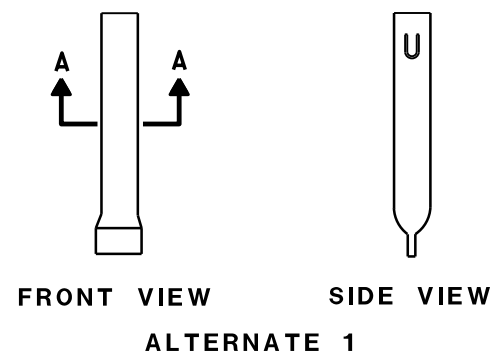
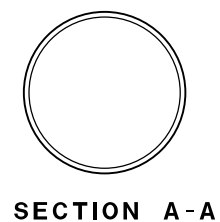
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

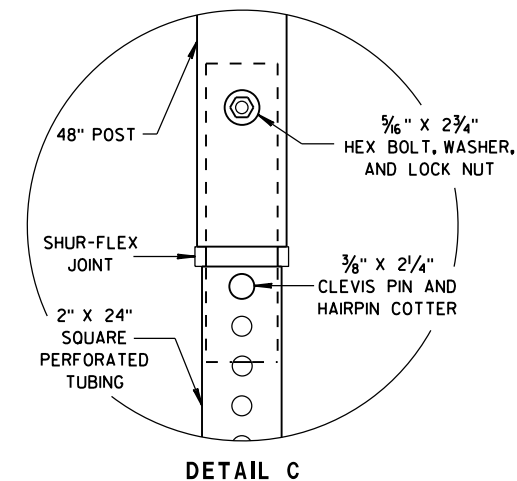
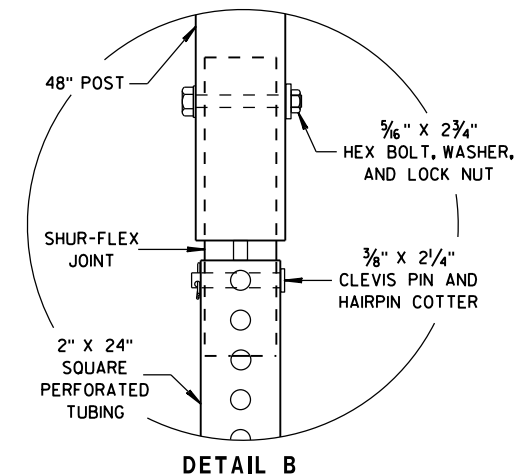
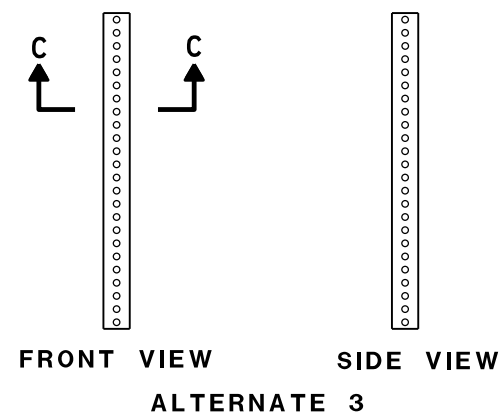
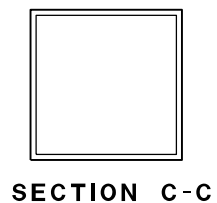
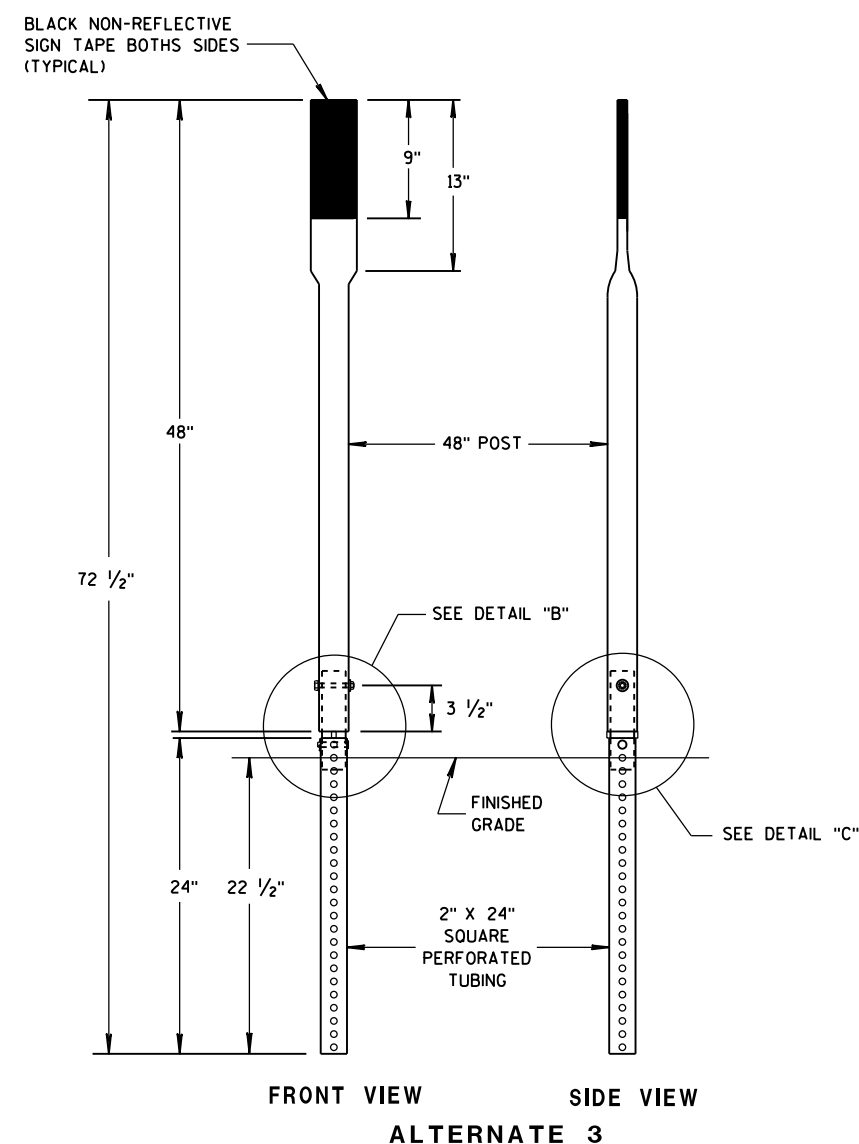
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FLEXIBLE MARKER POSTS



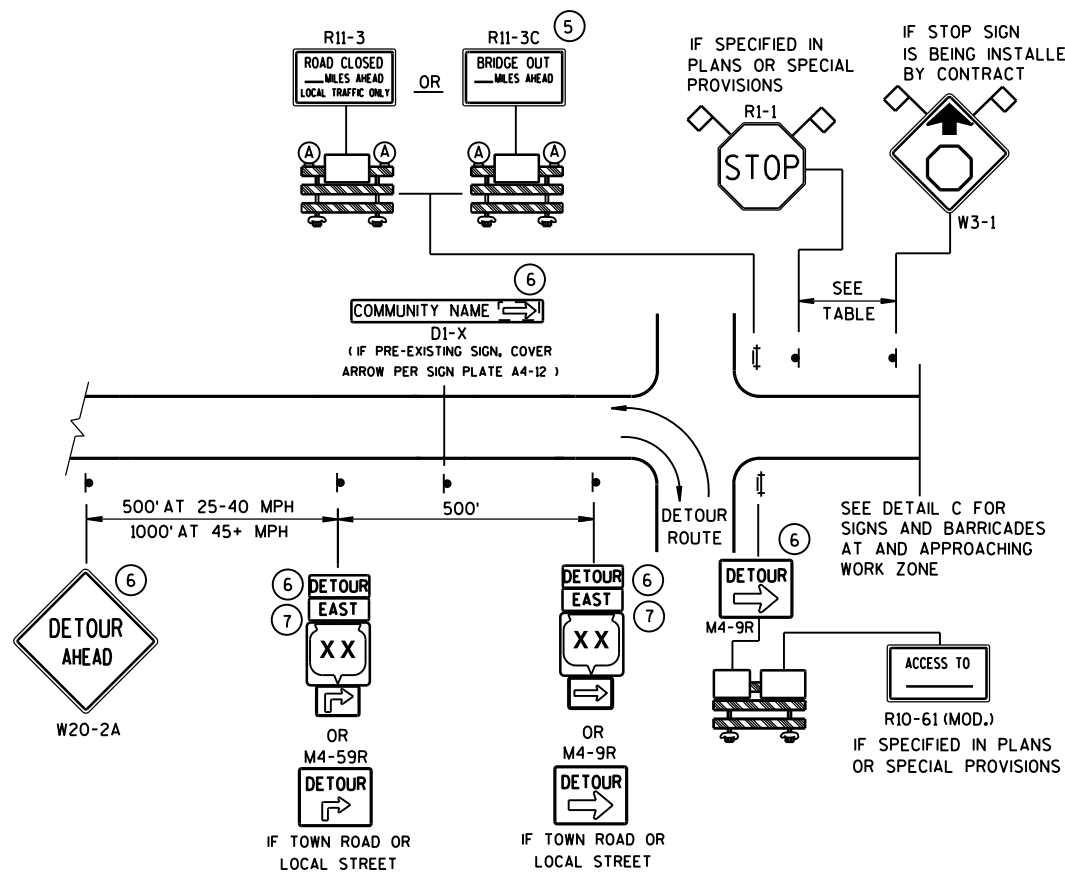
FLEXIBLE MARKER POST ANCHORS



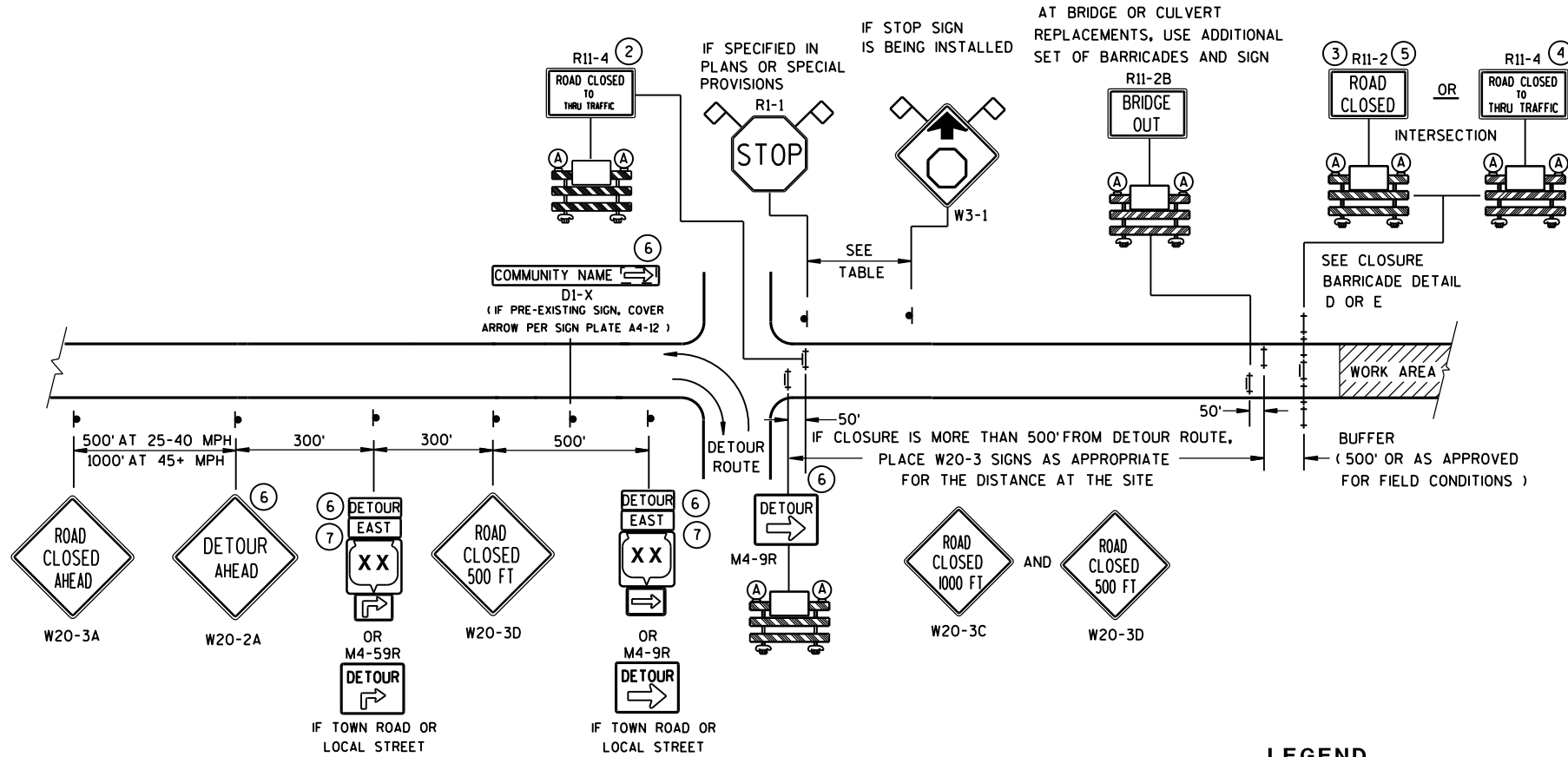
FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

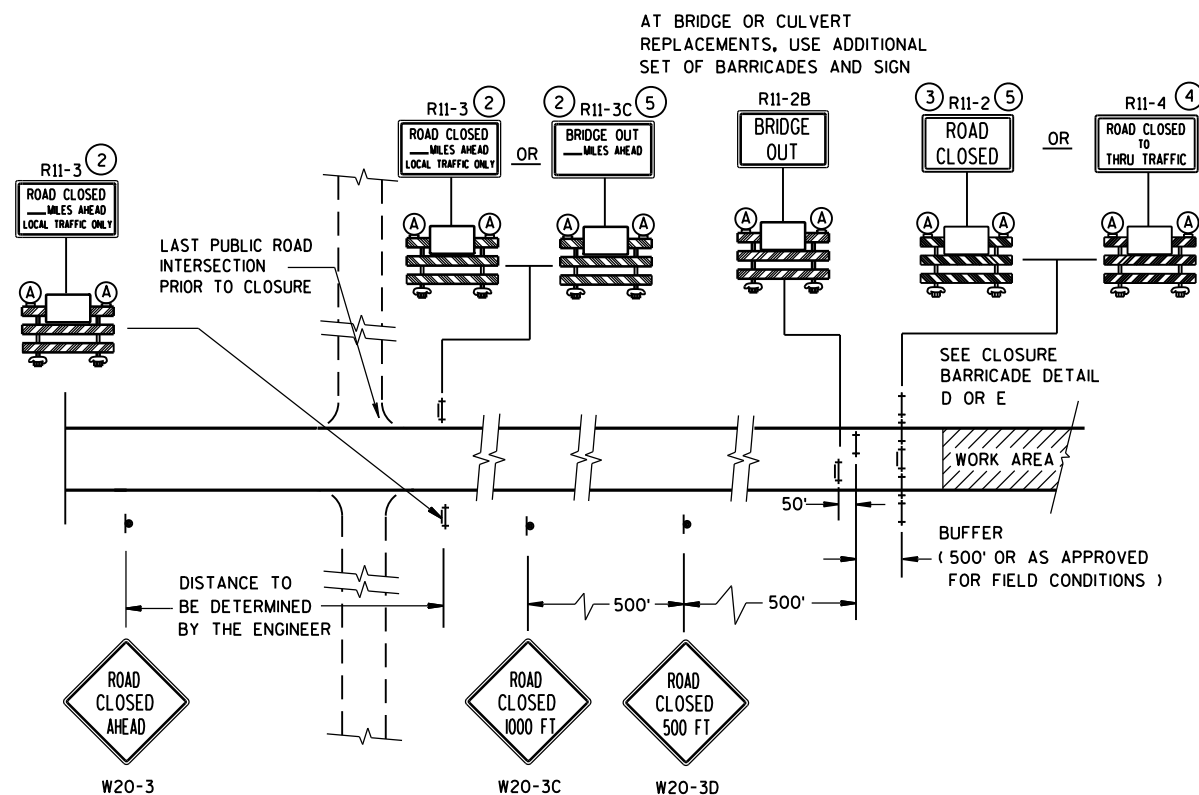
APPROVED
10/1/2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

LEGEND

- SIGN ON PERMANENT SUPPORT
- ⊥ TYPE III BARRICADE
- ⊥ TYPE III BARRICADE WITH ATTACHED SIGN
- Ⓐ TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

DETOUR EAST M4-8
M3-X
XX OR COUNTY XX OR XX
M1-4 M1-5A M1-6

M05-1 OR M06-1

FLAGS, 16" X 16" MIN., (ORANGE)

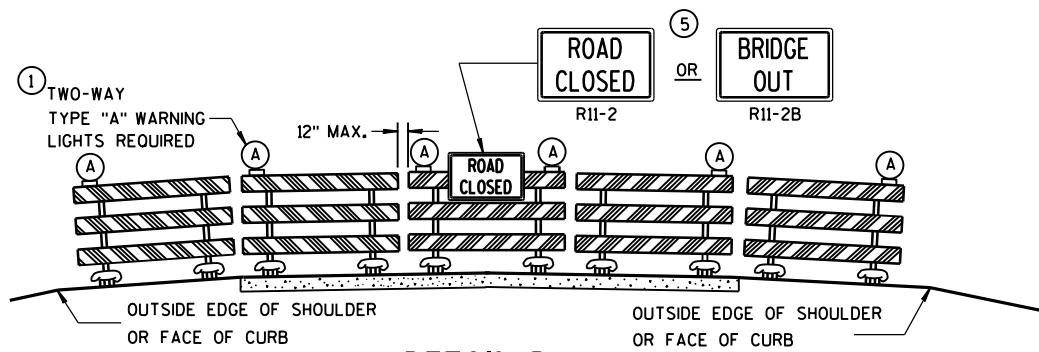
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

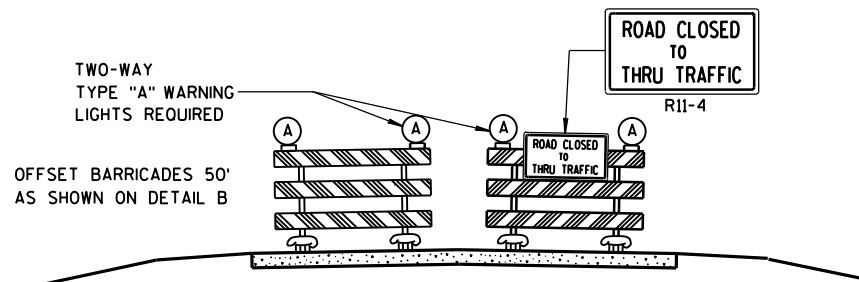
BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

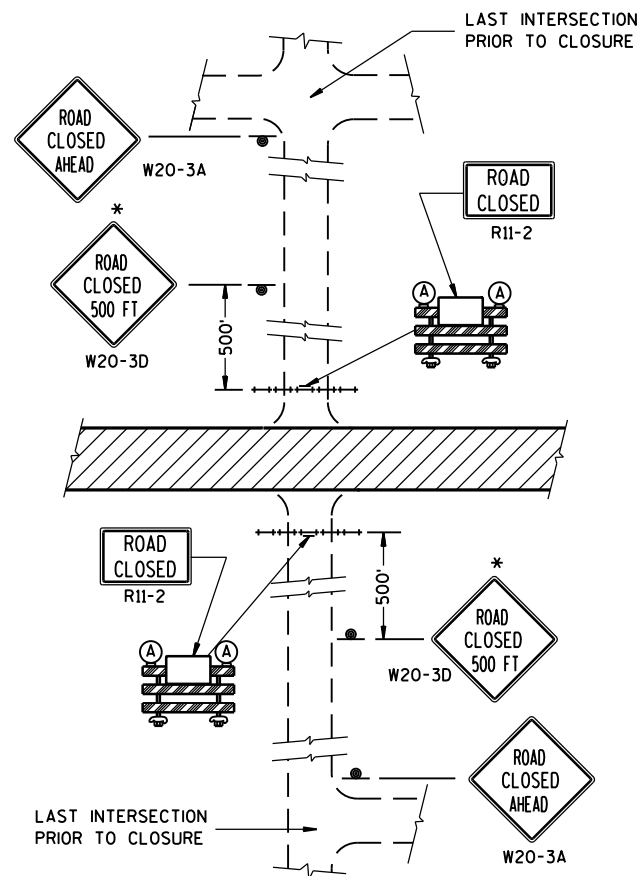
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- 2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- 3 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- 4 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- 5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 6 INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- 7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

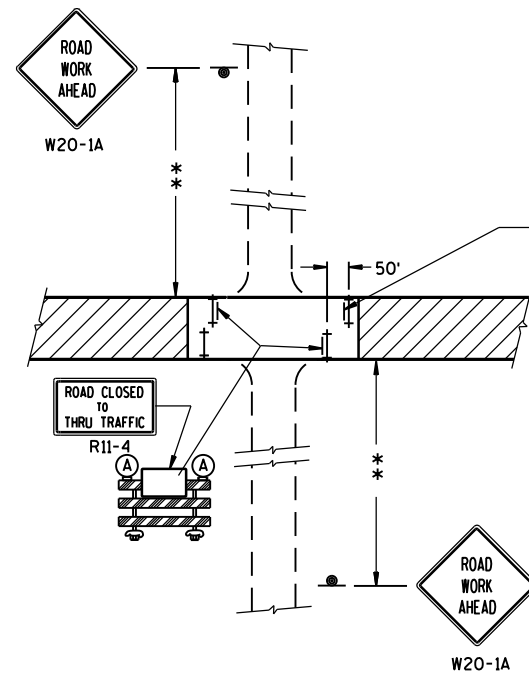
**BARRICADES AND SIGNS
FOR
MAINLINE CLOSURES**

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

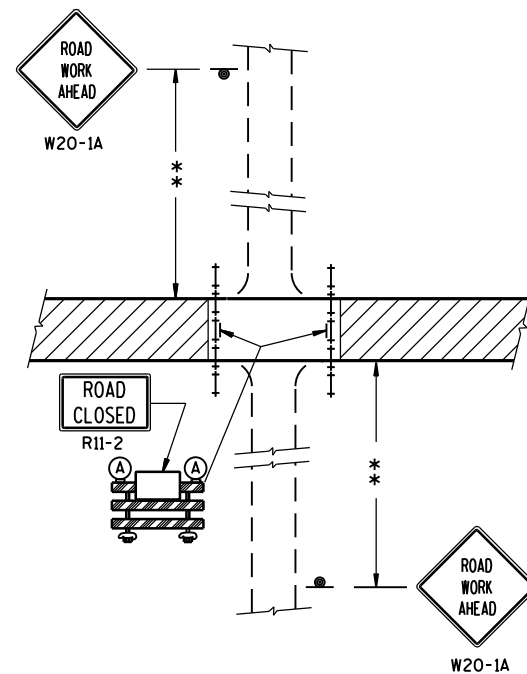
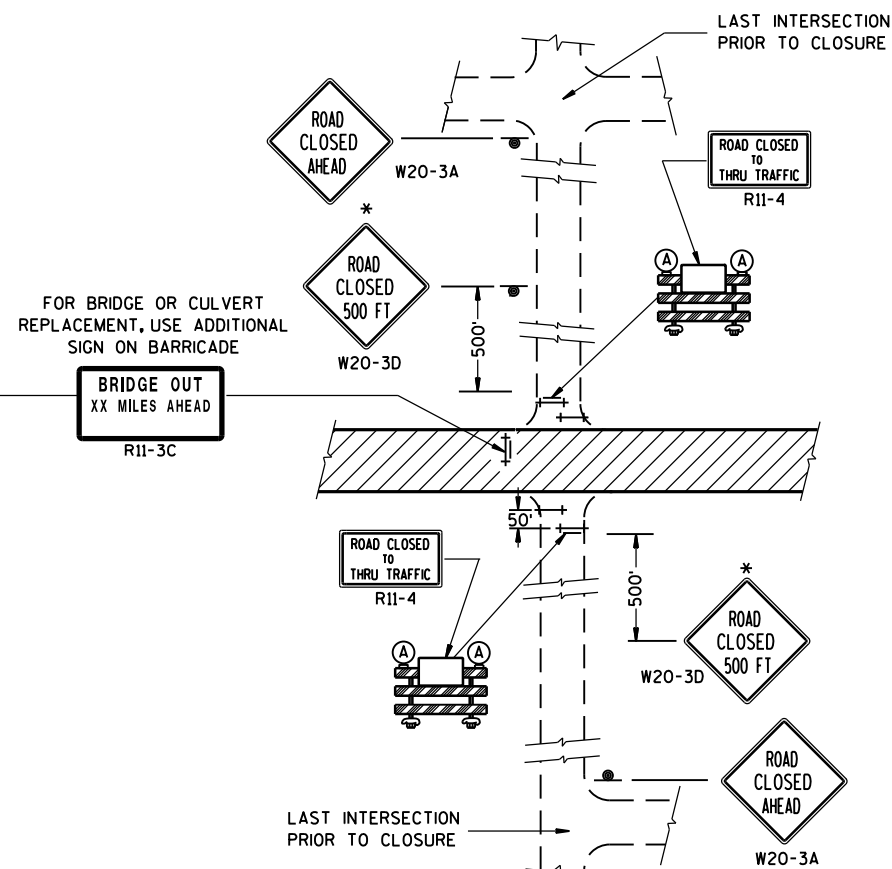
Sept. 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

**DETAIL 1**

(NO ACCESS TO PROJECT)

**DETAIL 3**

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

**DETAIL 2**(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).**DETAIL 4**(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)**GENERAL NOTES**

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

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

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

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.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- ⊙ SIGN ON PERMANENT SUPPORT
- ⊢ TYPE III BARRICADE
- ⊢ TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- ▨ WORK AREA

**BARRICADES AND SIGNS
FOR
SIDEROAD CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

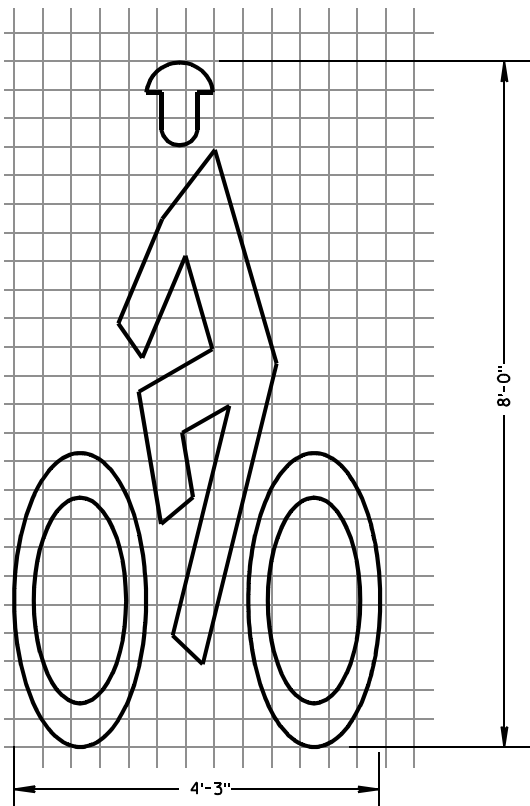
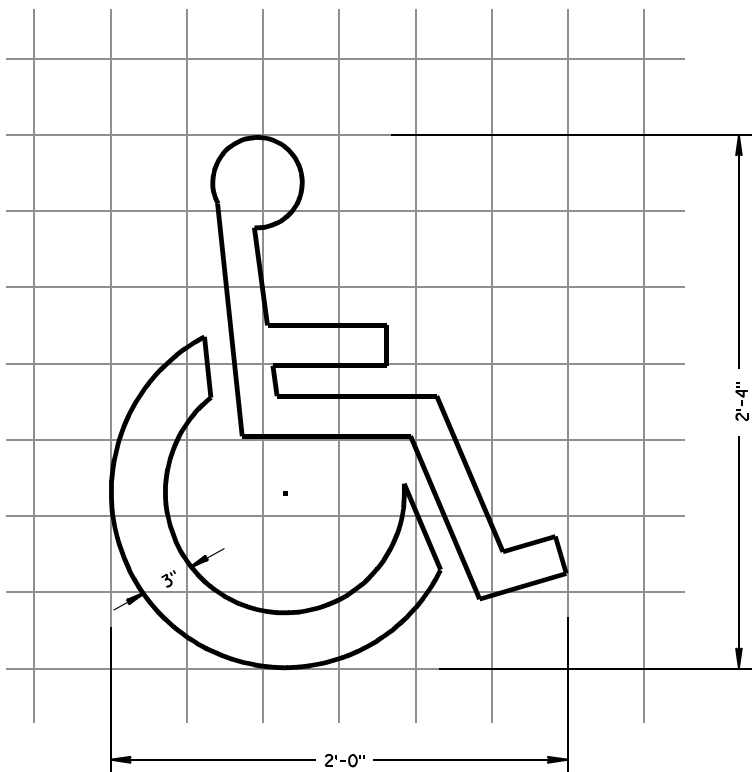
APPROVED

Sept. 2015

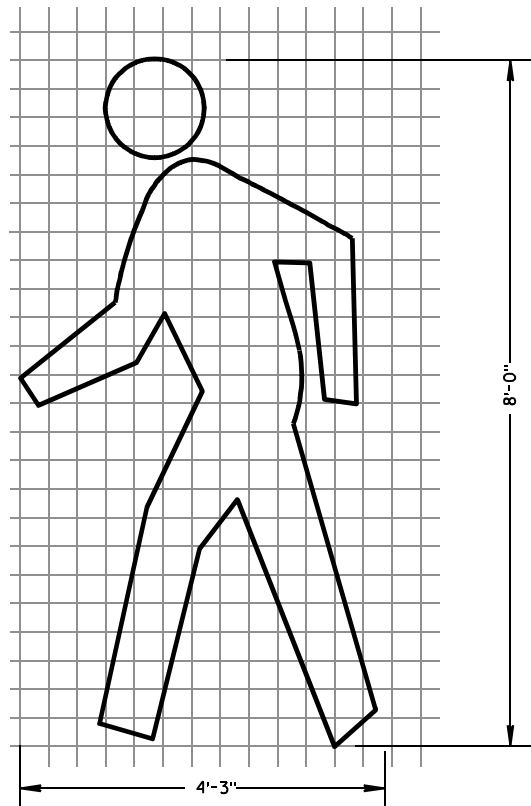
DATE

FHWA

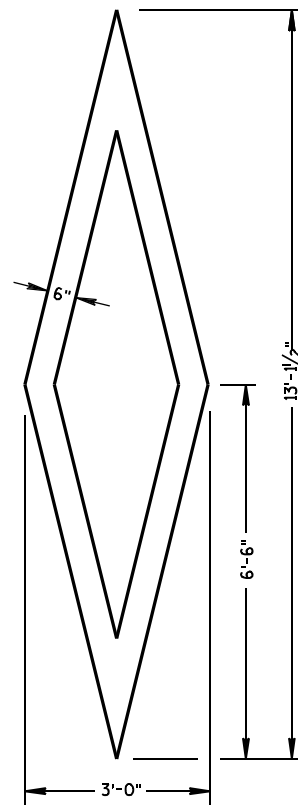
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER



BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL
LANE SYMBOL

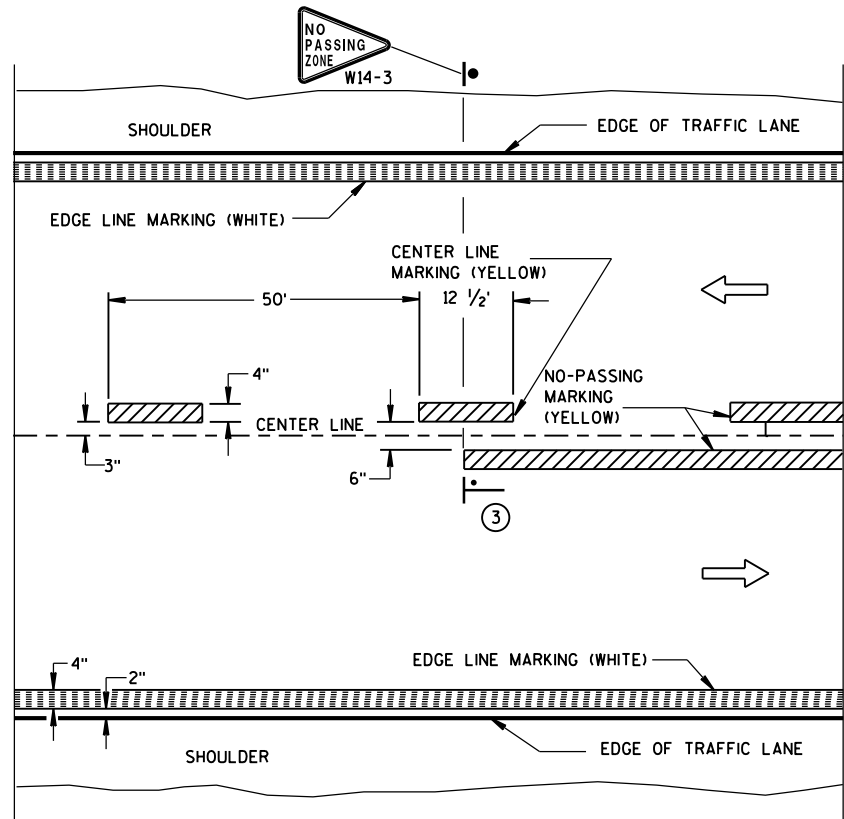
GENERAL NOTES

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

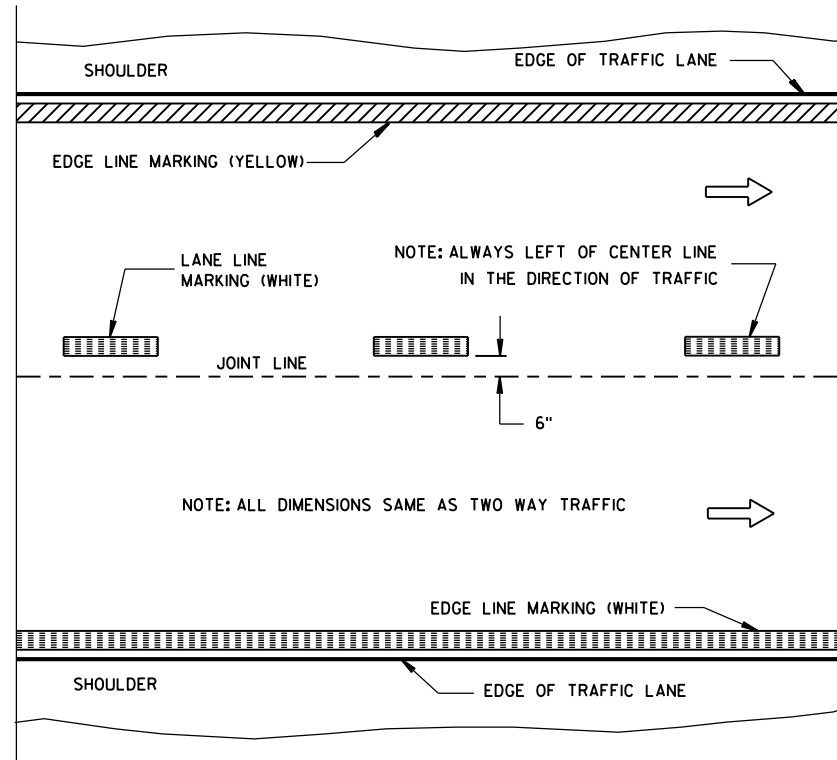
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

PAVEMENT MARKING SYMBOLS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/1/11 DATE	/S/ Thomas N Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

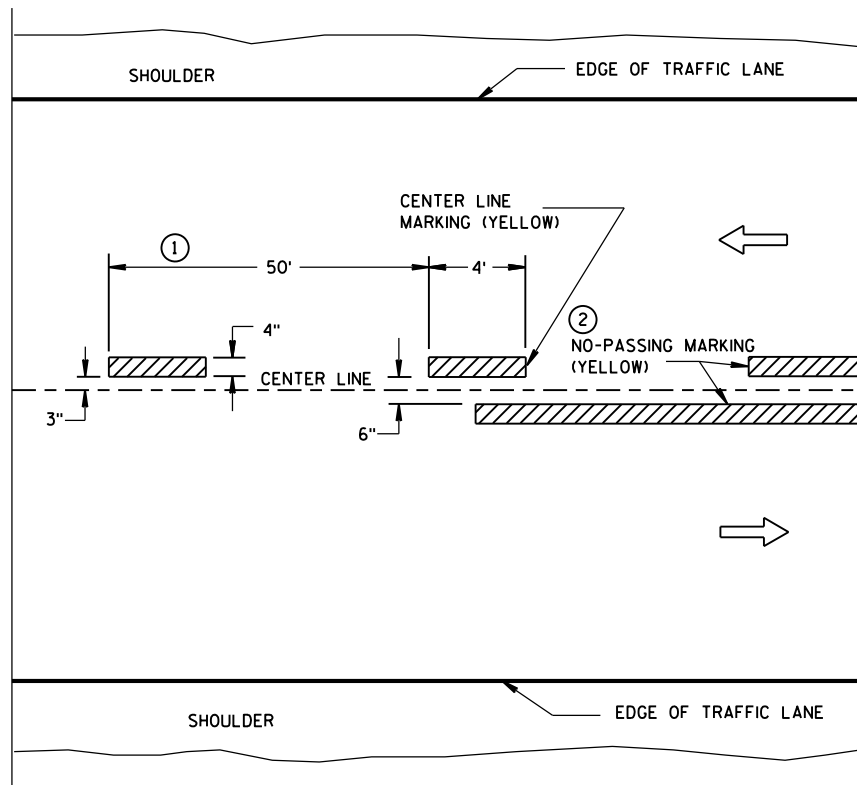


TWO WAY TRAFFIC

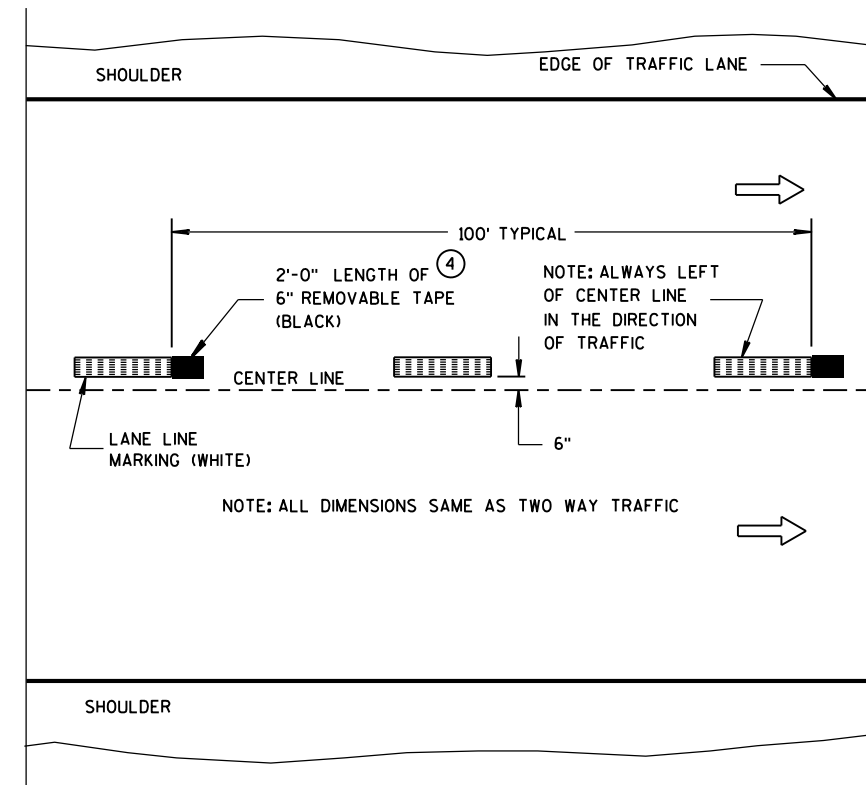


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

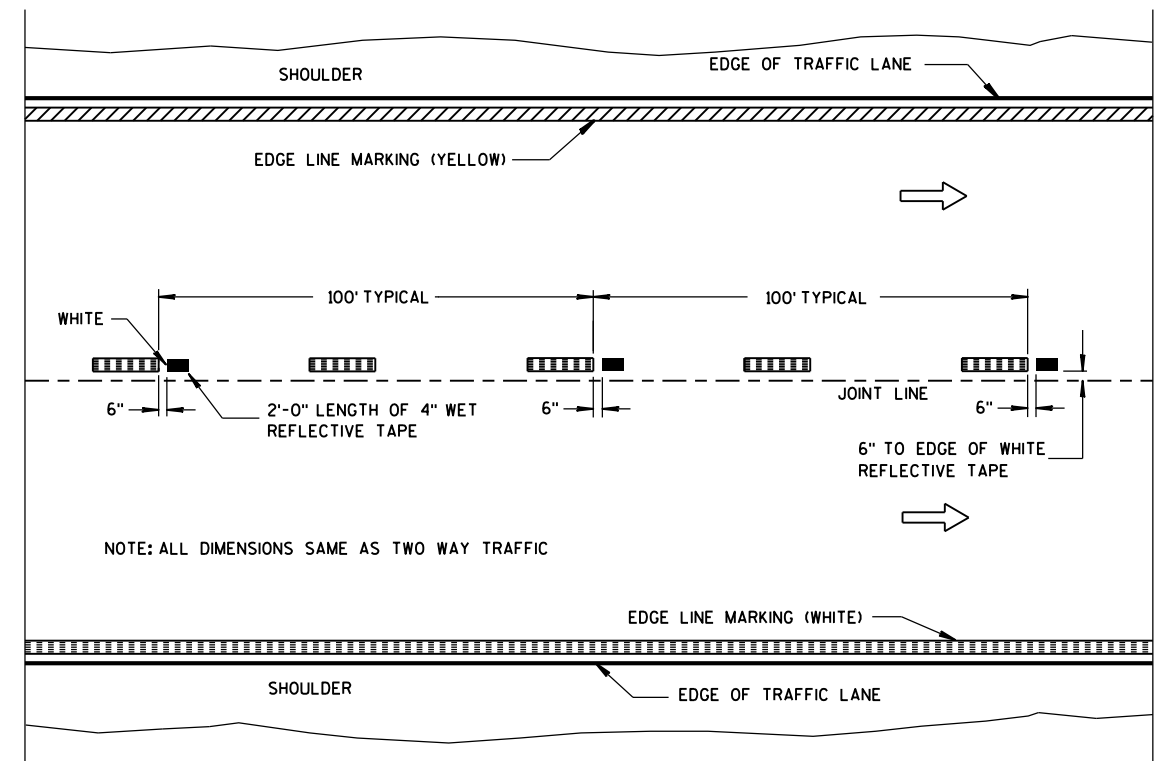
GENERAL NOTES

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

- 1 HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- 2 NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- 3 NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- 4 CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

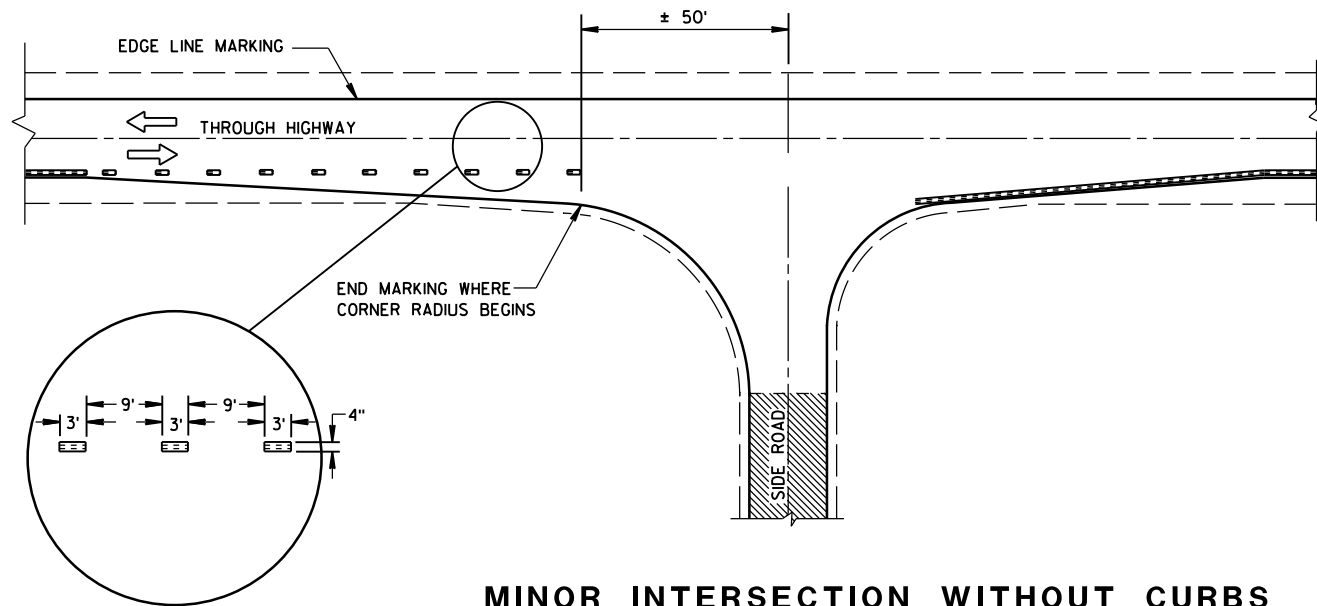
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

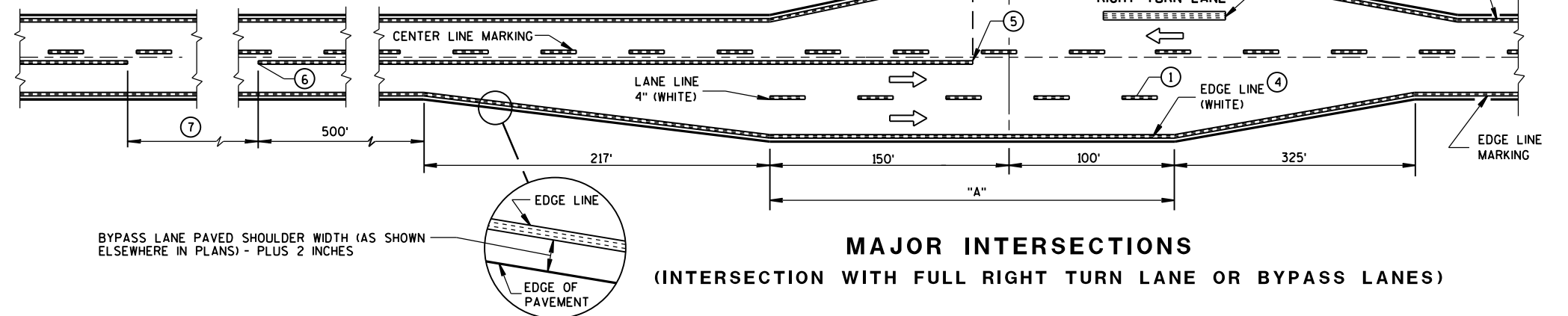
APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



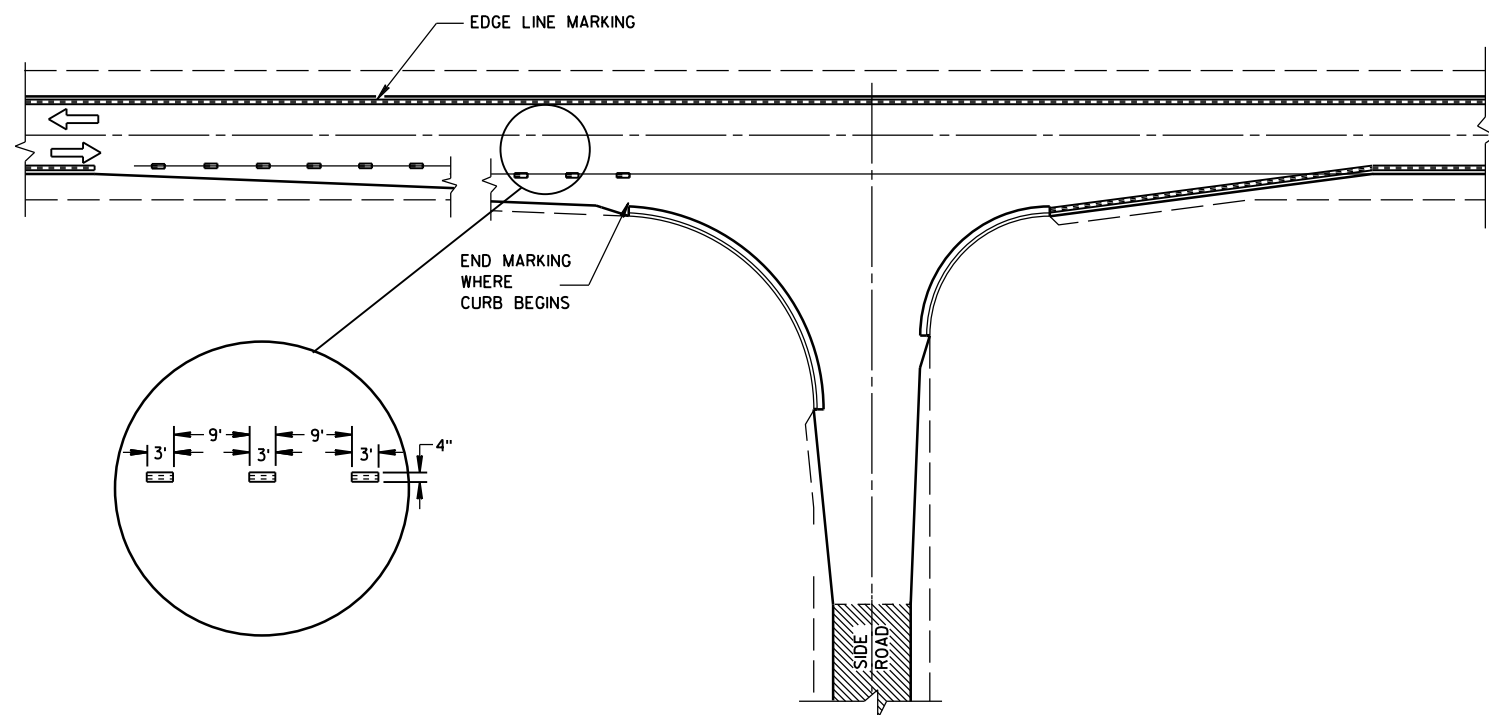
MINOR INTERSECTION WITHOUT CURBS

⑦

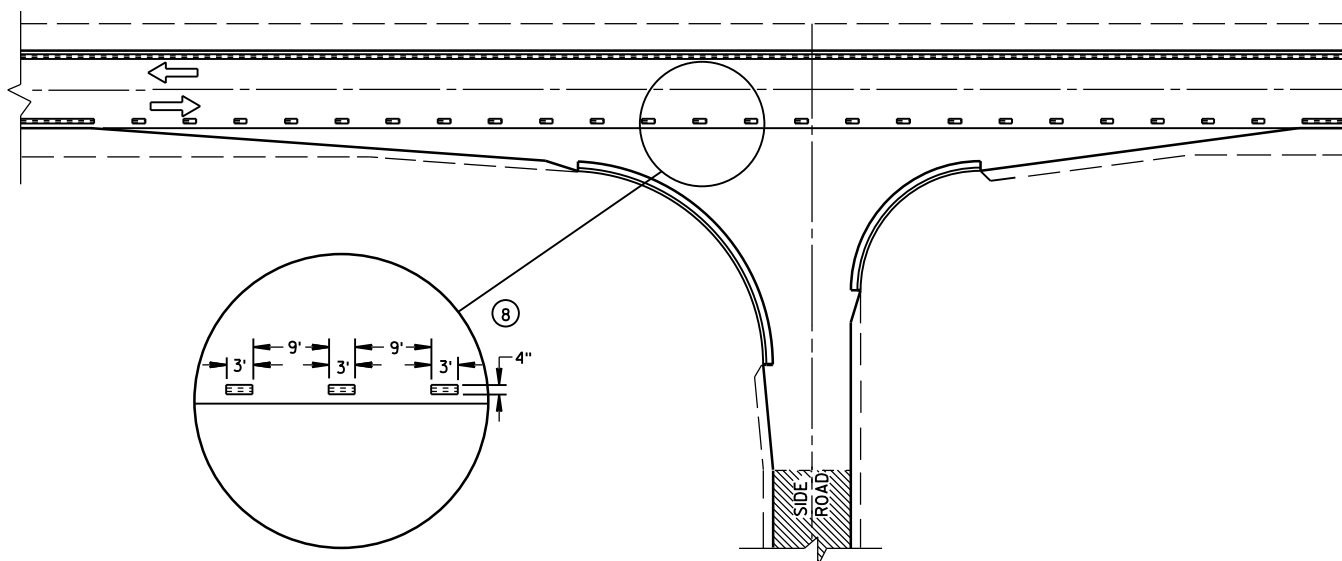
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



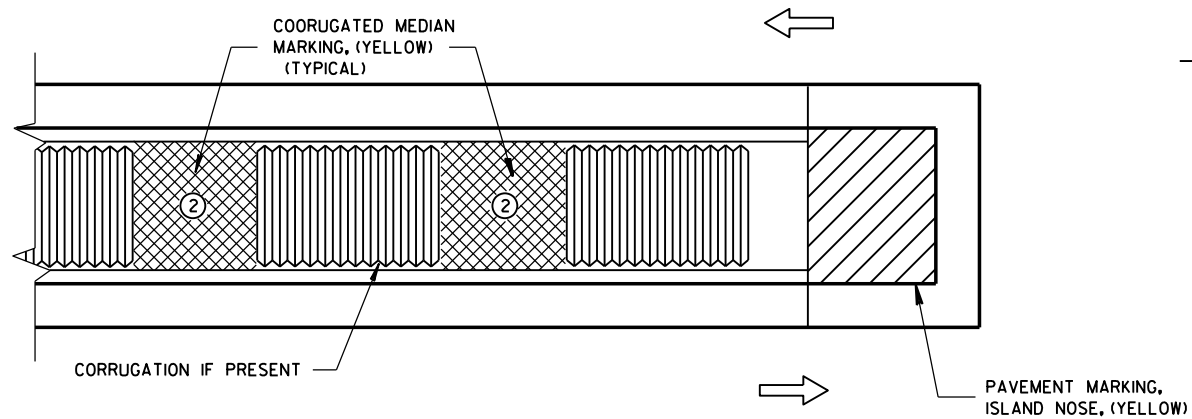
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

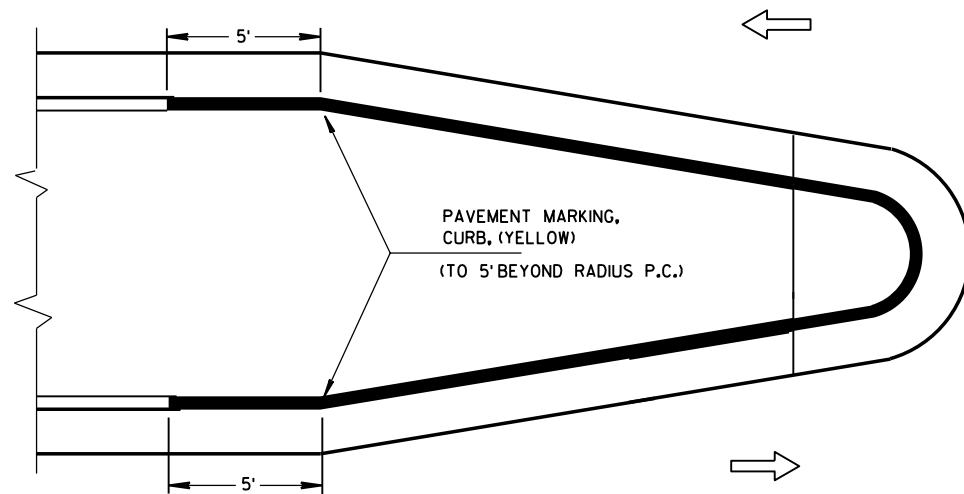
- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
 - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
 - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
 - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
 - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
 - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
 - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
 - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(INTERSECTIONS)

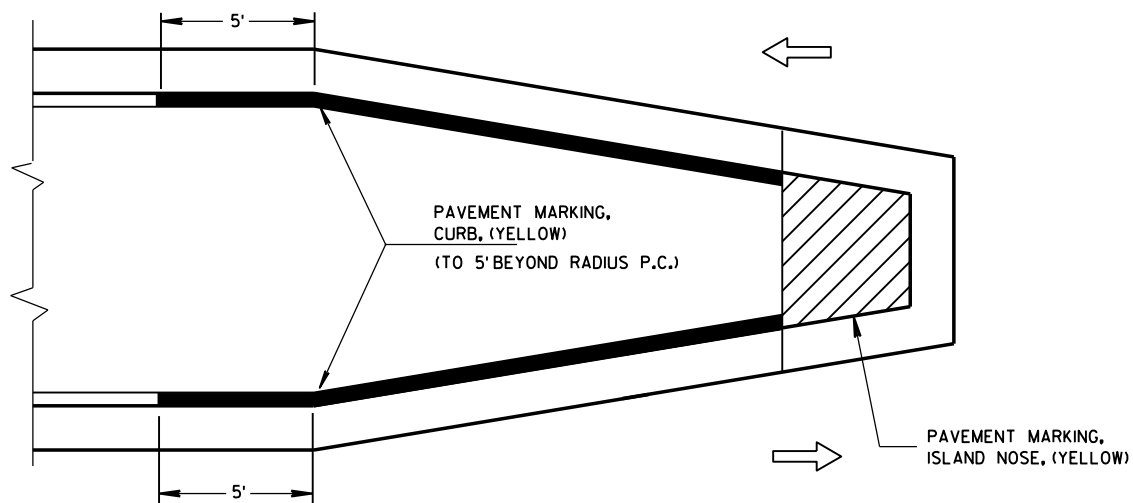
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

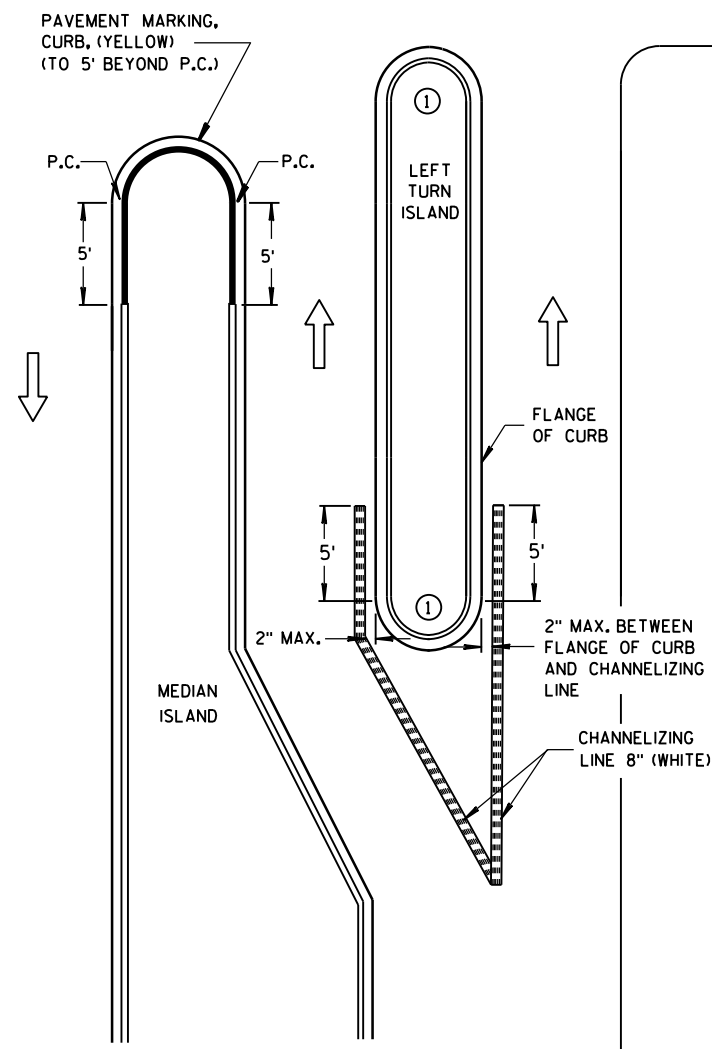


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

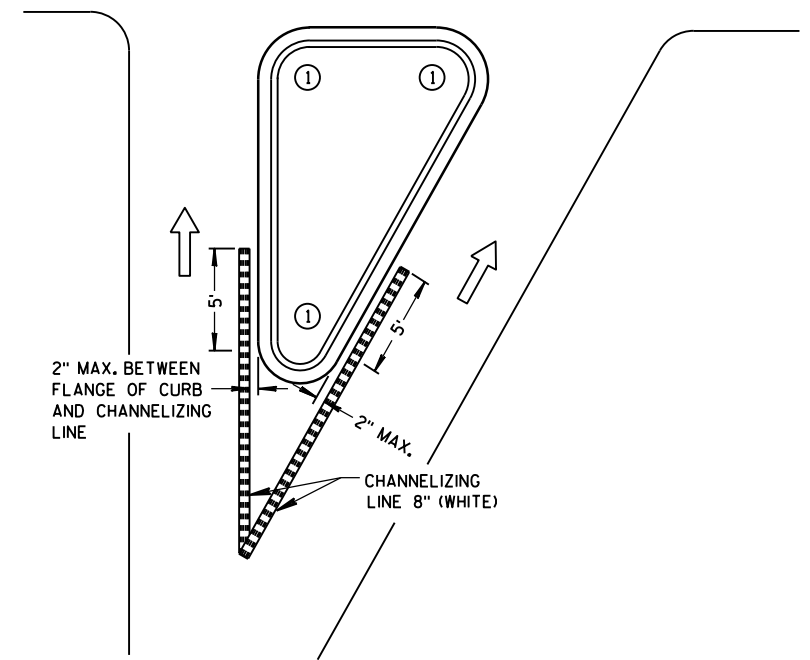
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- 1 DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 2 WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

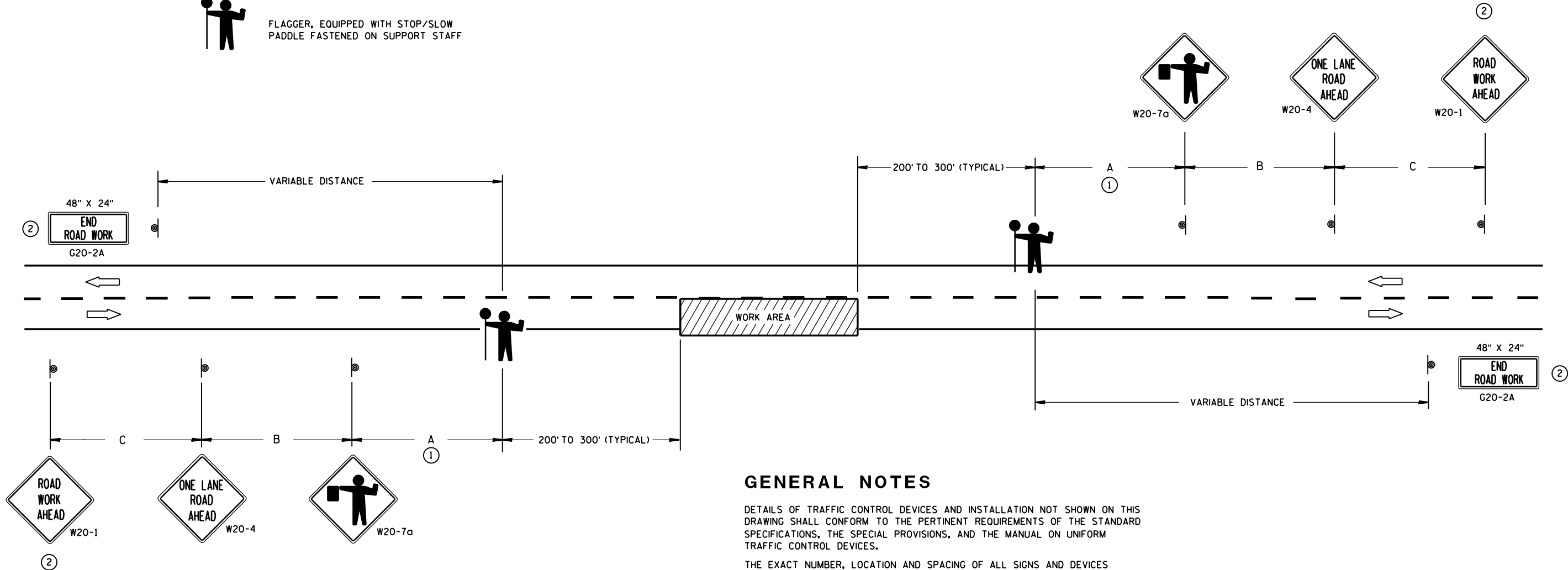
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
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 W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



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.

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.

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, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

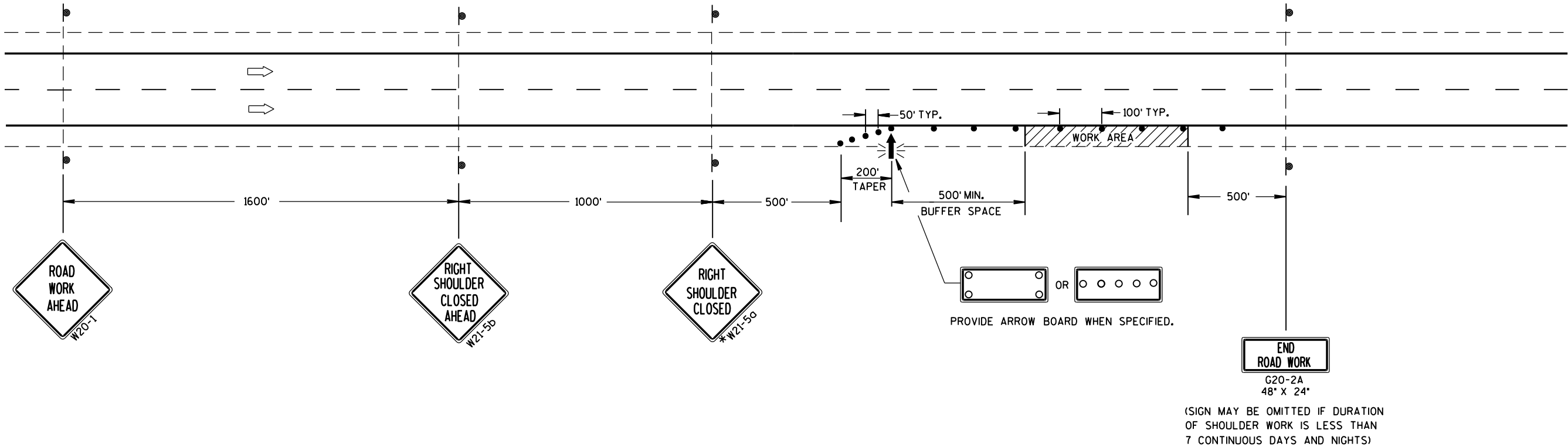
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

WHEN A 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.

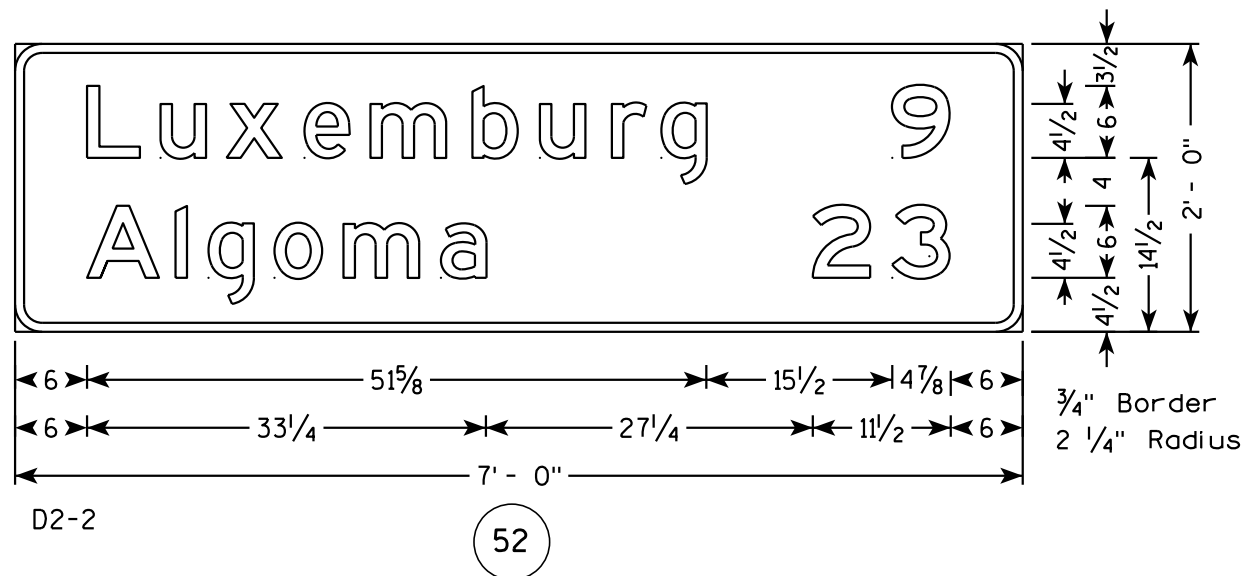
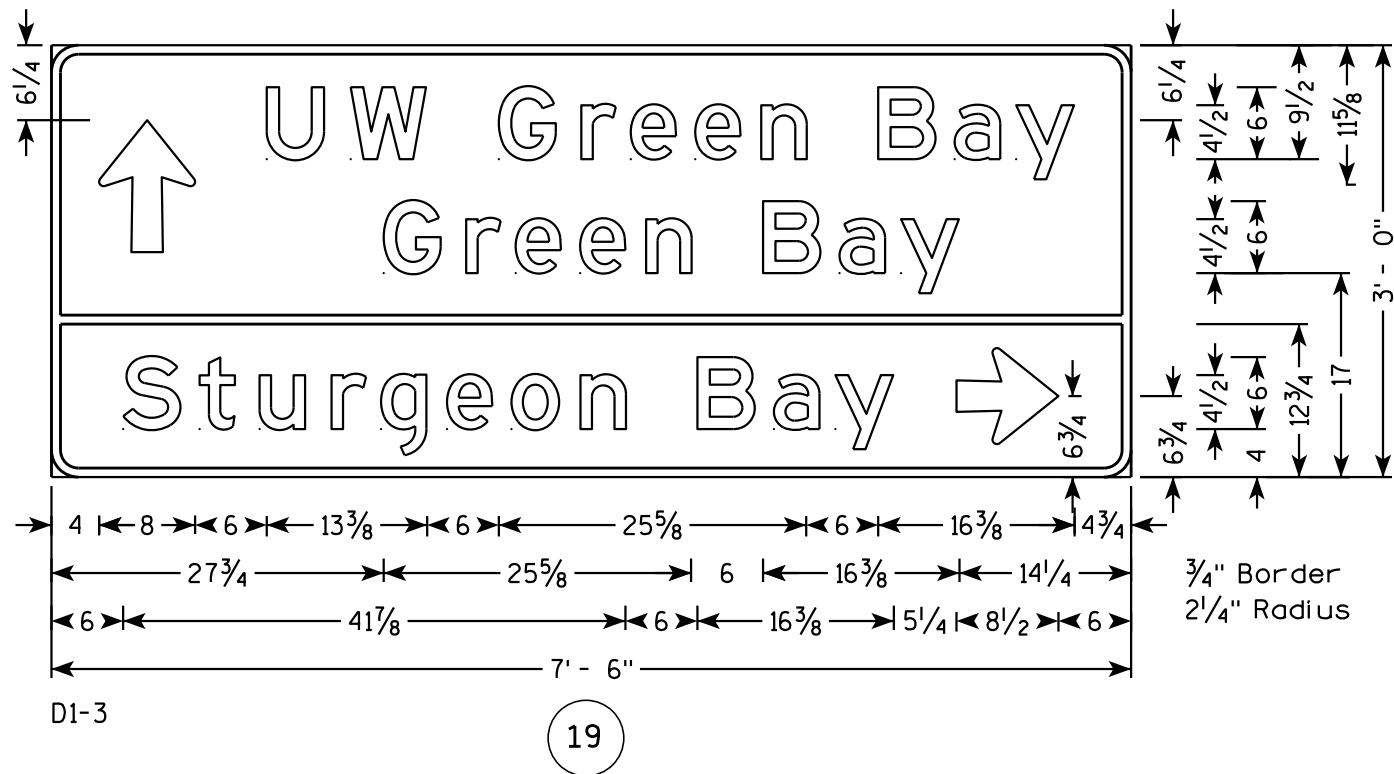
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

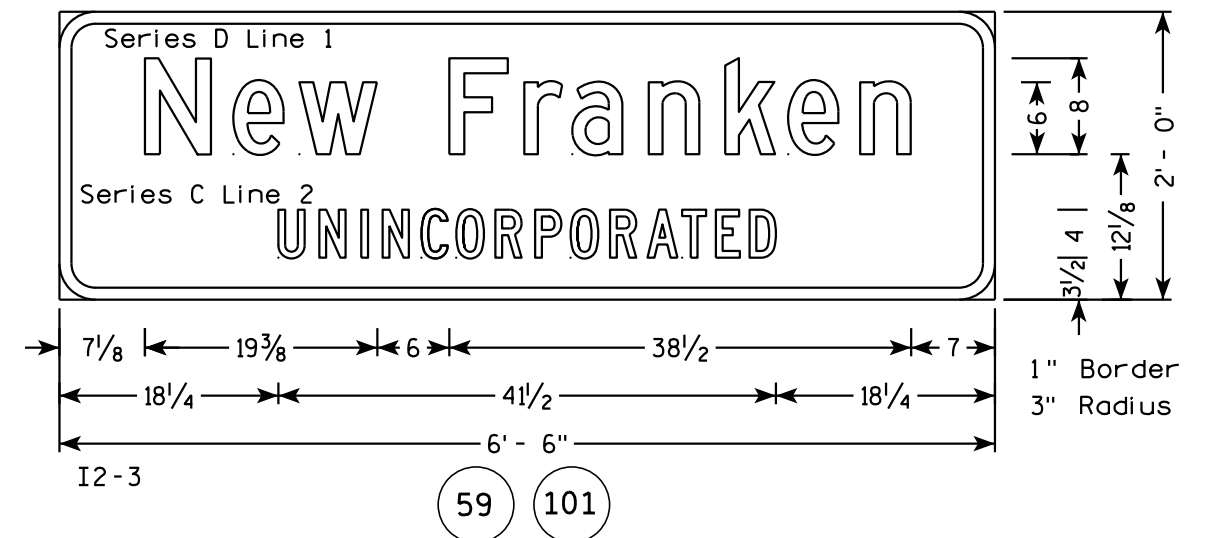
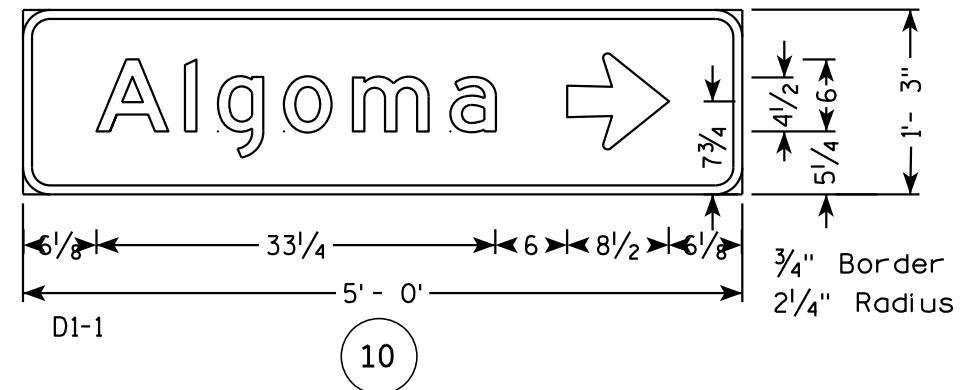
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltz
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



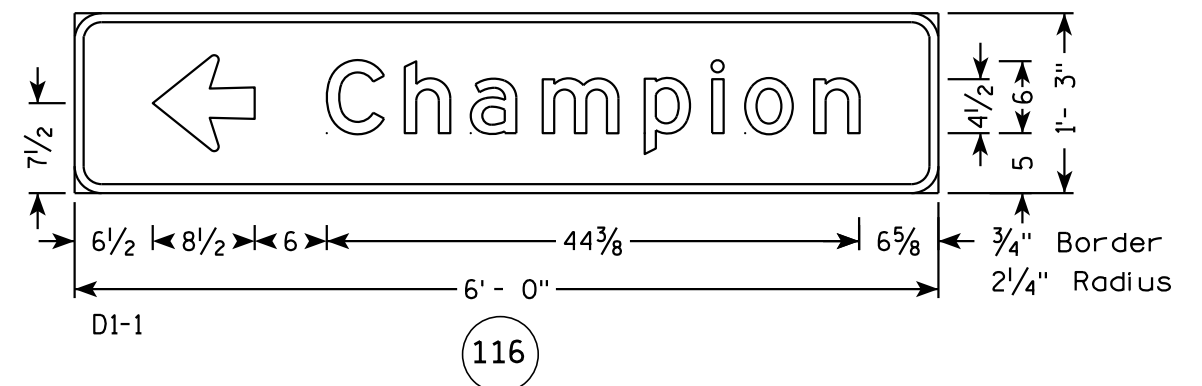
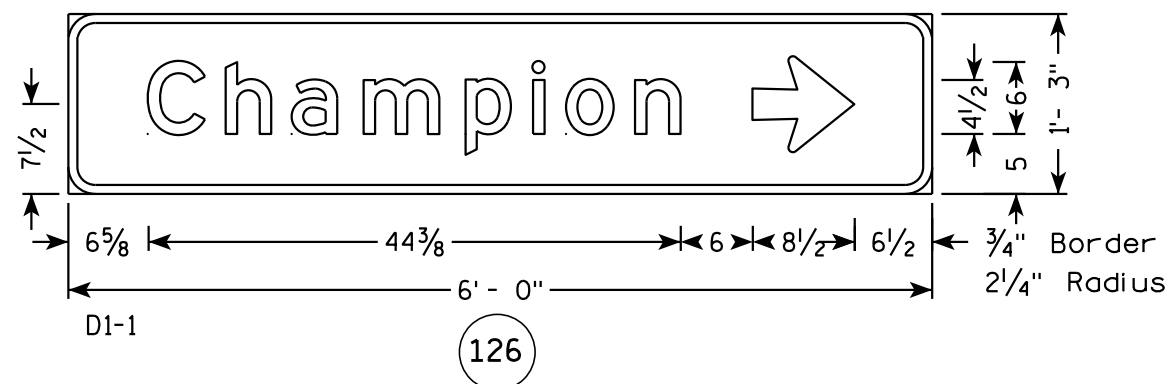
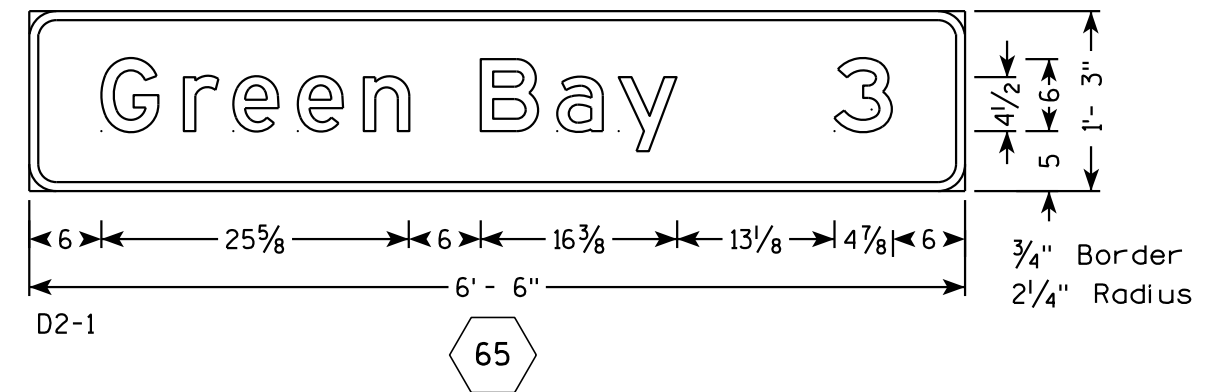
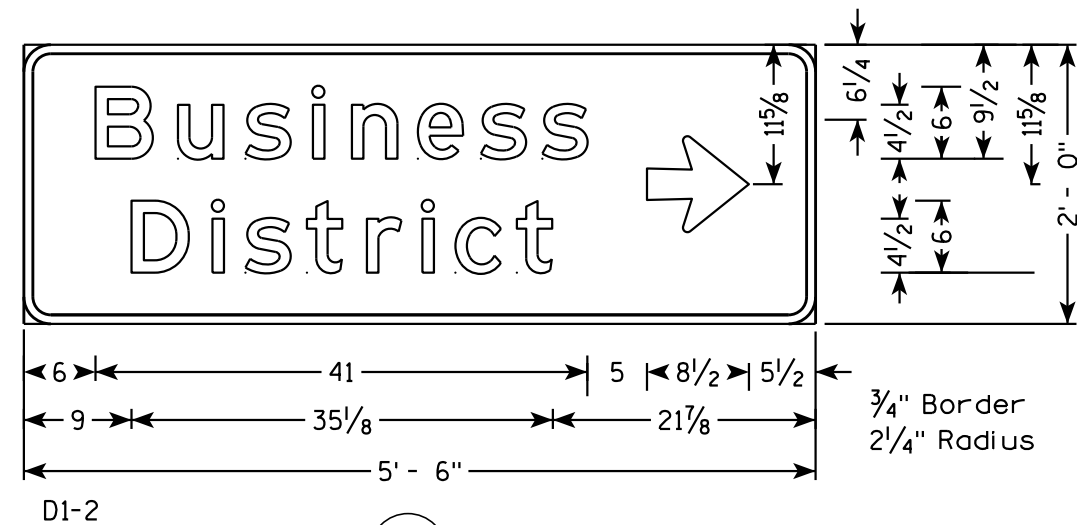
NOTES

1. All Signs - Type II - Type H Reflective
2. Color:
Background - GREEN
Message - WHITE
3. Message Series - E except as Shown

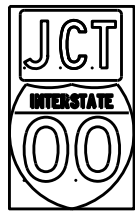


NOTES

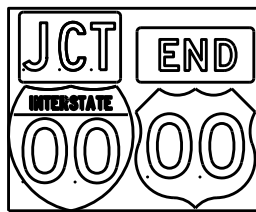
1. All Signs Type II - Type H Reflective
2. Color:
Background - GREEN
Message - WHITE
3. Message Series - E



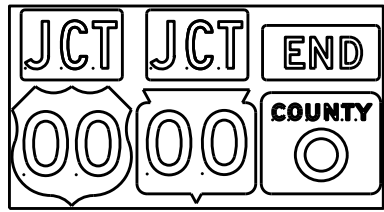
TYPICAL ASSEMBLIES



J1-1



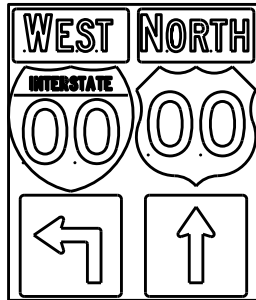
J1-2



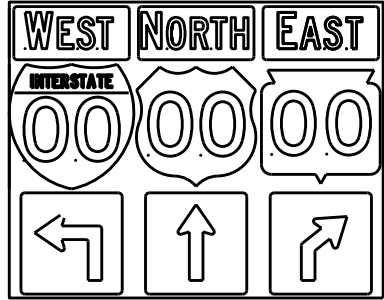
J1-3



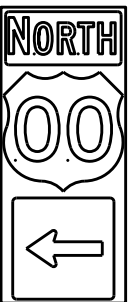
J2-1



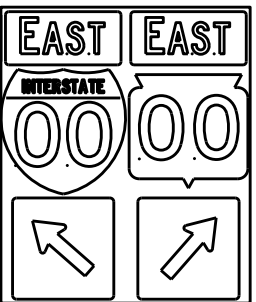
J2-2



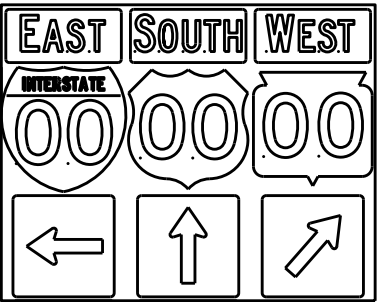
J2-3



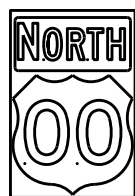
J3-1



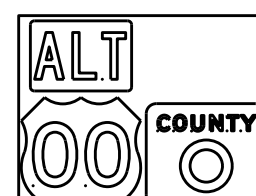
J3-2



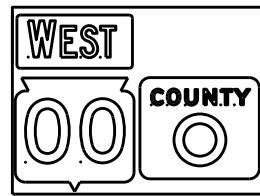
J3-3



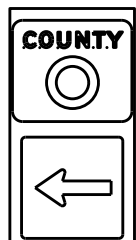
J4-1



J4-2



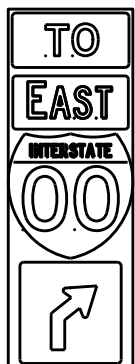
J4-2



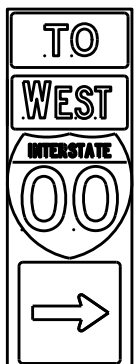
J13-1



J12-1



J32-1



J33-1



J23-1

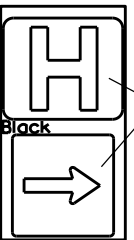


J22-1



JV

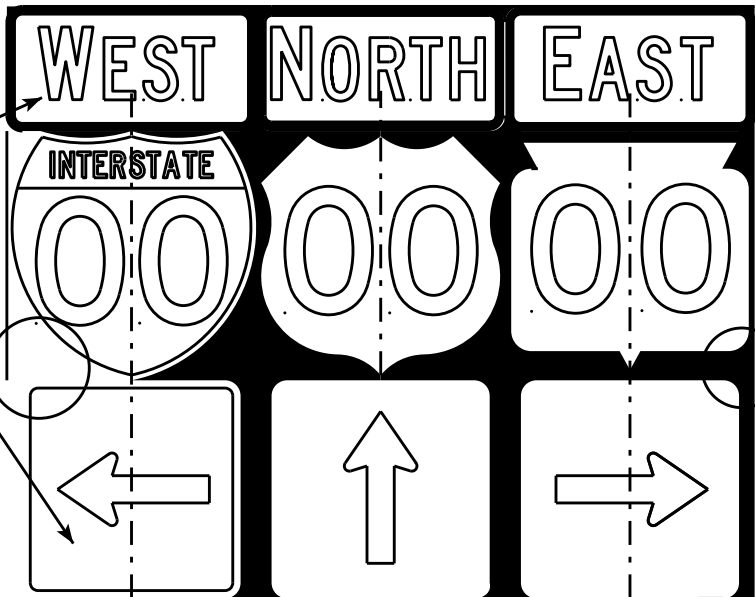
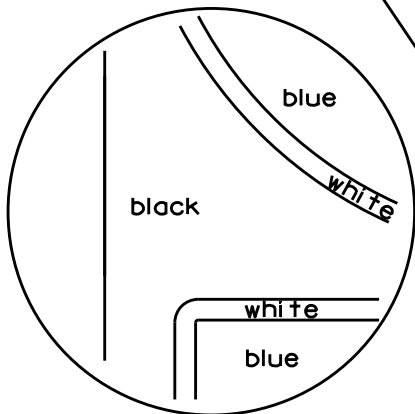
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

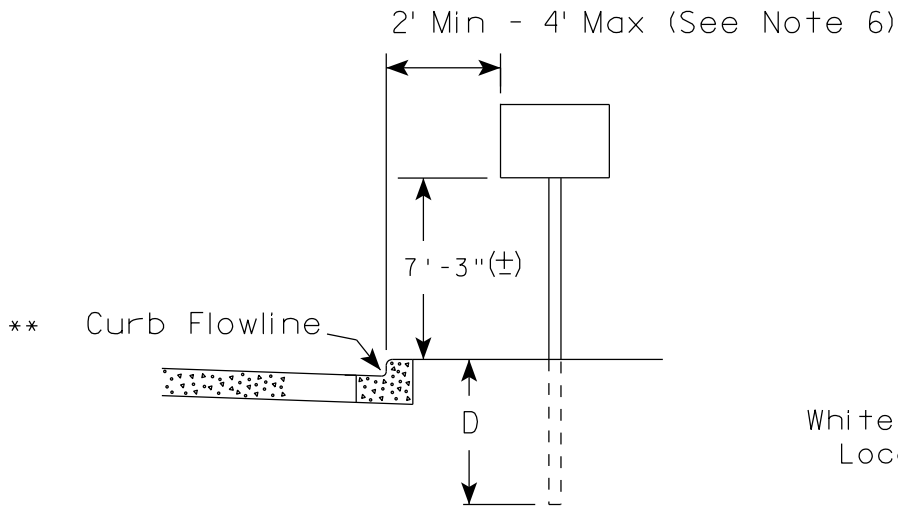
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

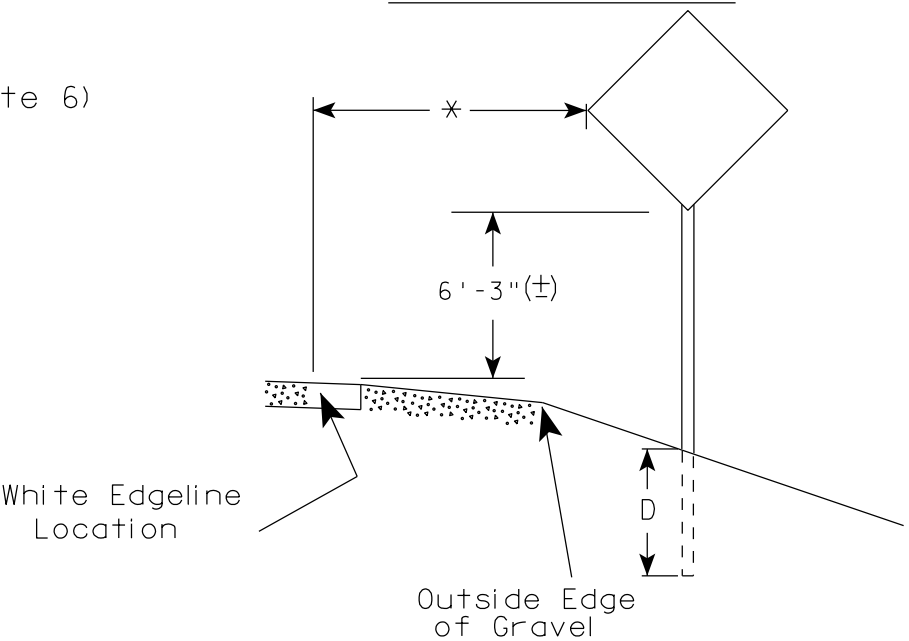
NOTES

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.

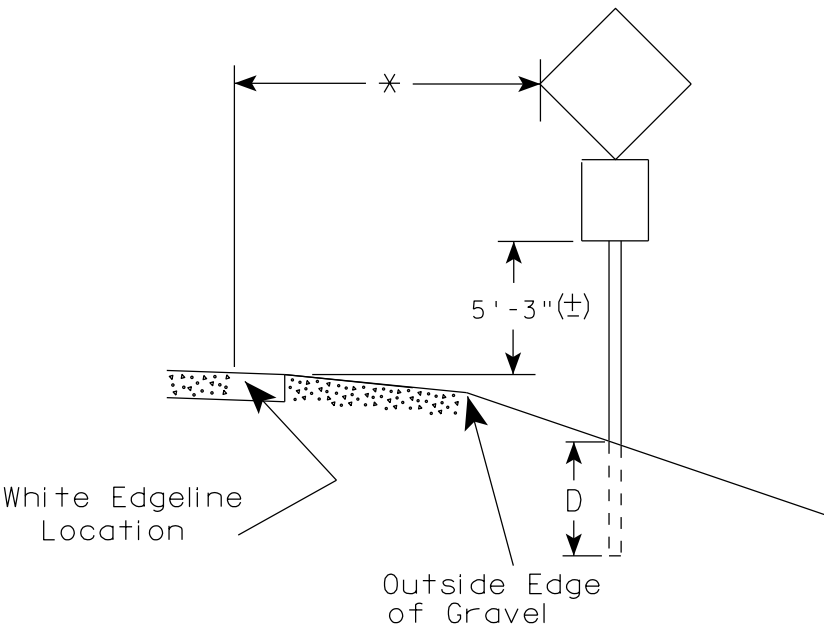
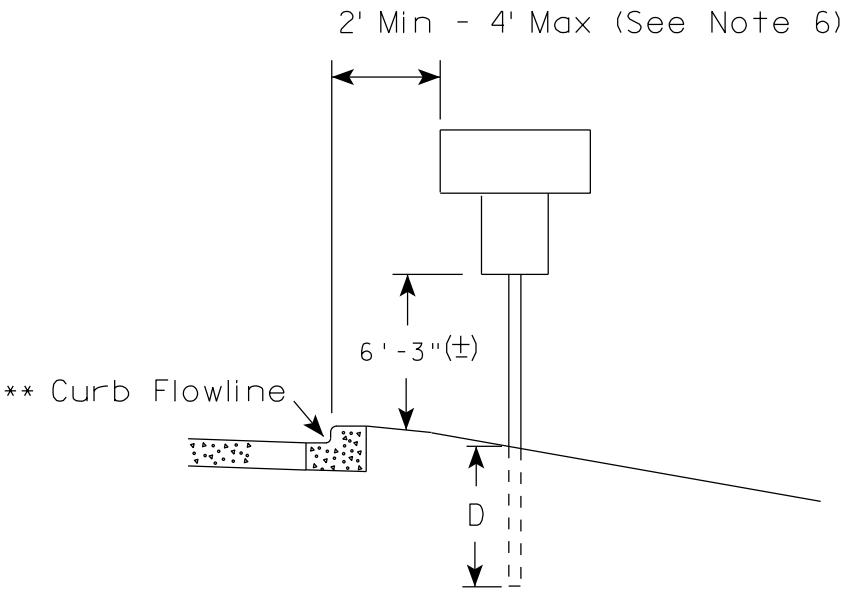
URBAN AREA



RURAL AREA (See Note 2)



- GENERAL NOTES
1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
 2. If signs are mounted on 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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
 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" (±).



POST EMBEDMENT DEPTH

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

* * The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

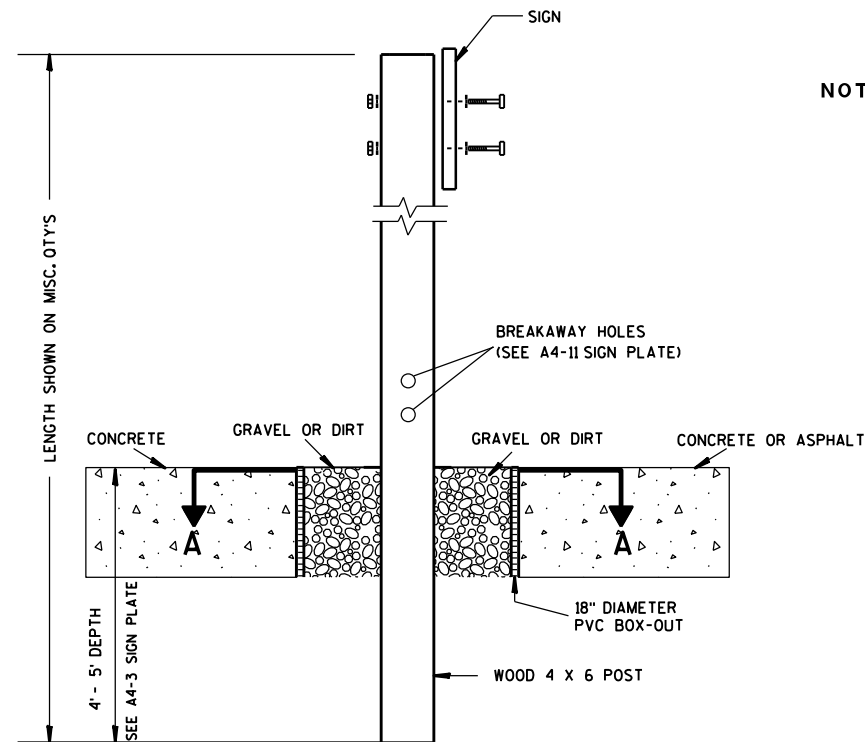
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

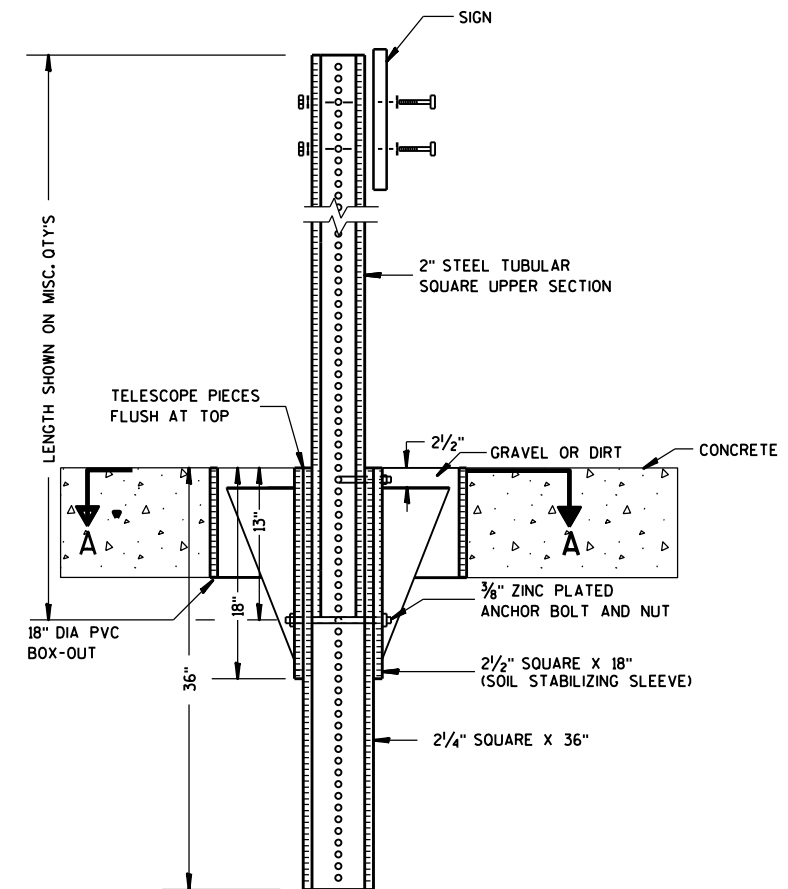
DATE 7/23/15 PLATE NO. A4-3.20



ELEVATION VIEW

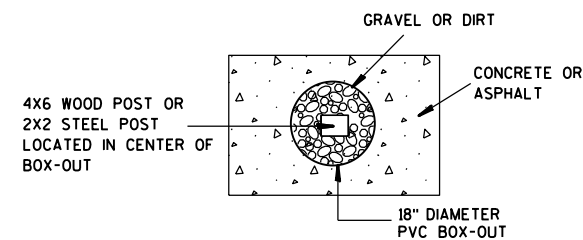
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

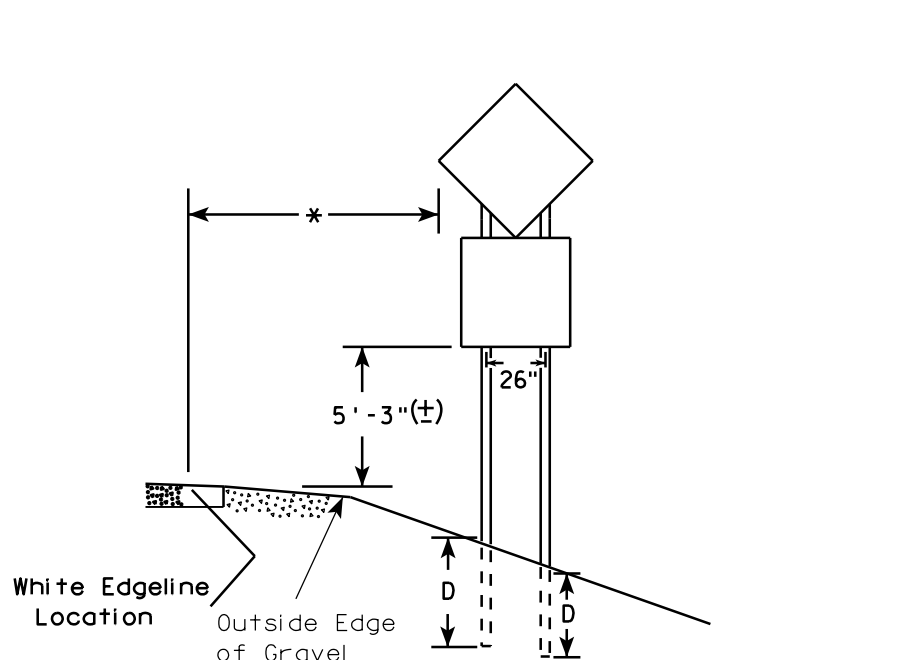
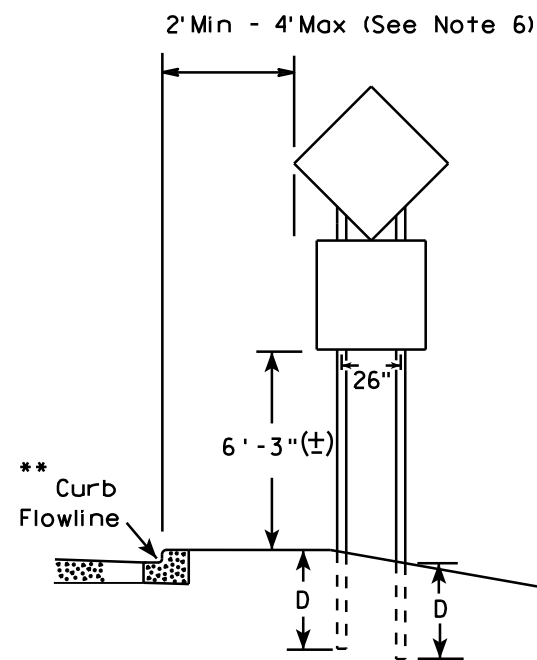
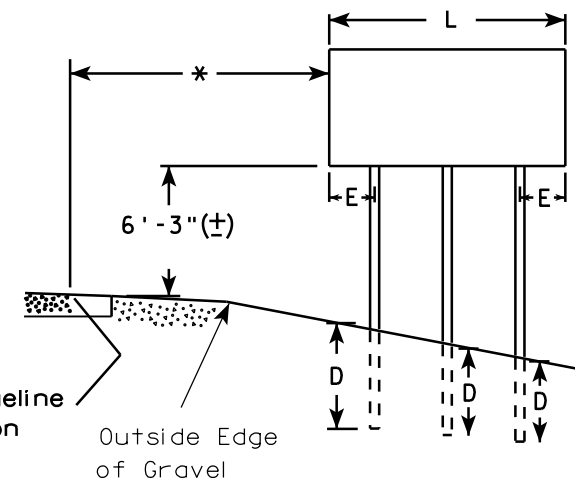
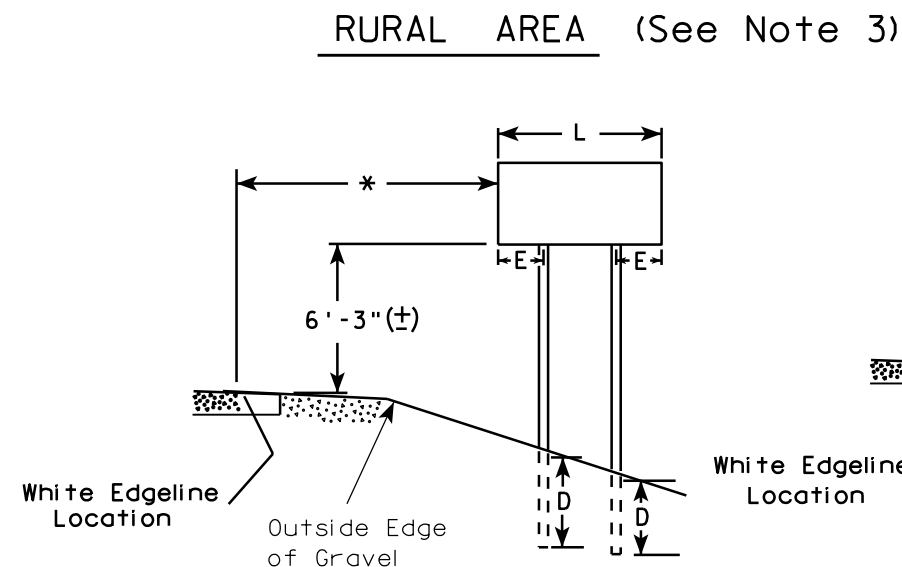
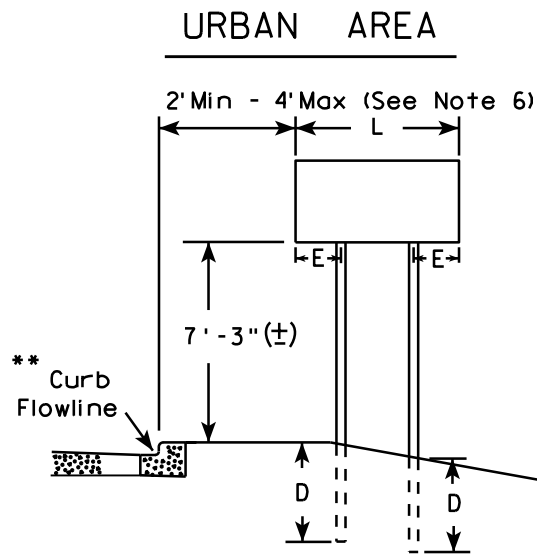
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



48" DIAMOND WARNING SIGN

48" DIAMOND WARNING SIGN

- GENERAL NOTES**
- For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
 - See tables below for required number of posts.
 - For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
 - The (±) tolerance for mounting height is 3 inches.
 - Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
 - Offset distance shall be consistent with existing signs or consistent throughout length of project.
 - Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
 - 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.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

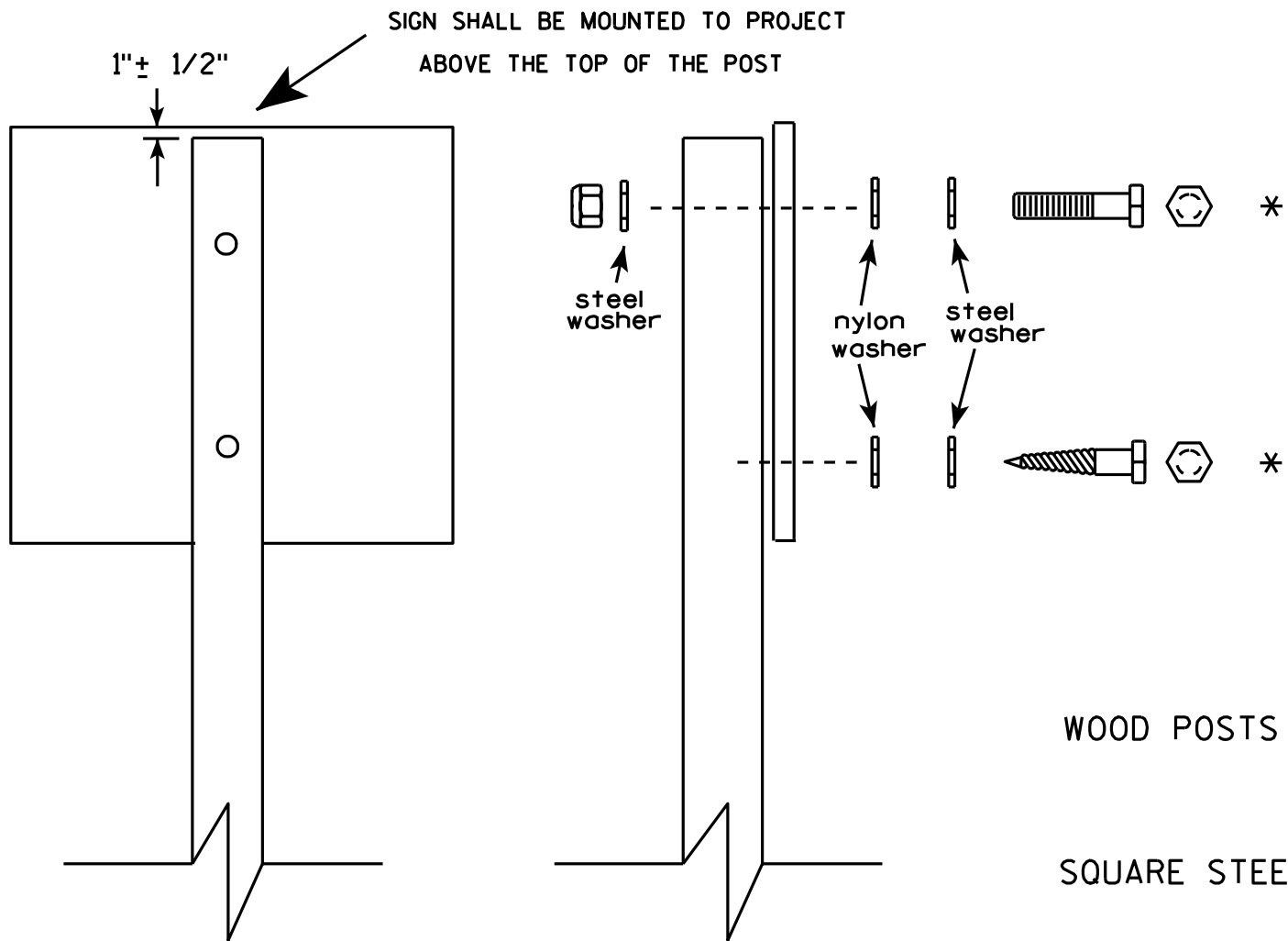
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4.14

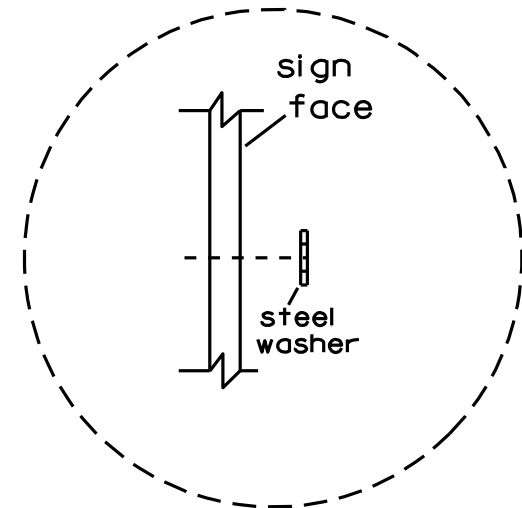


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- 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.

- WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts
- SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
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 for all Type H signs.

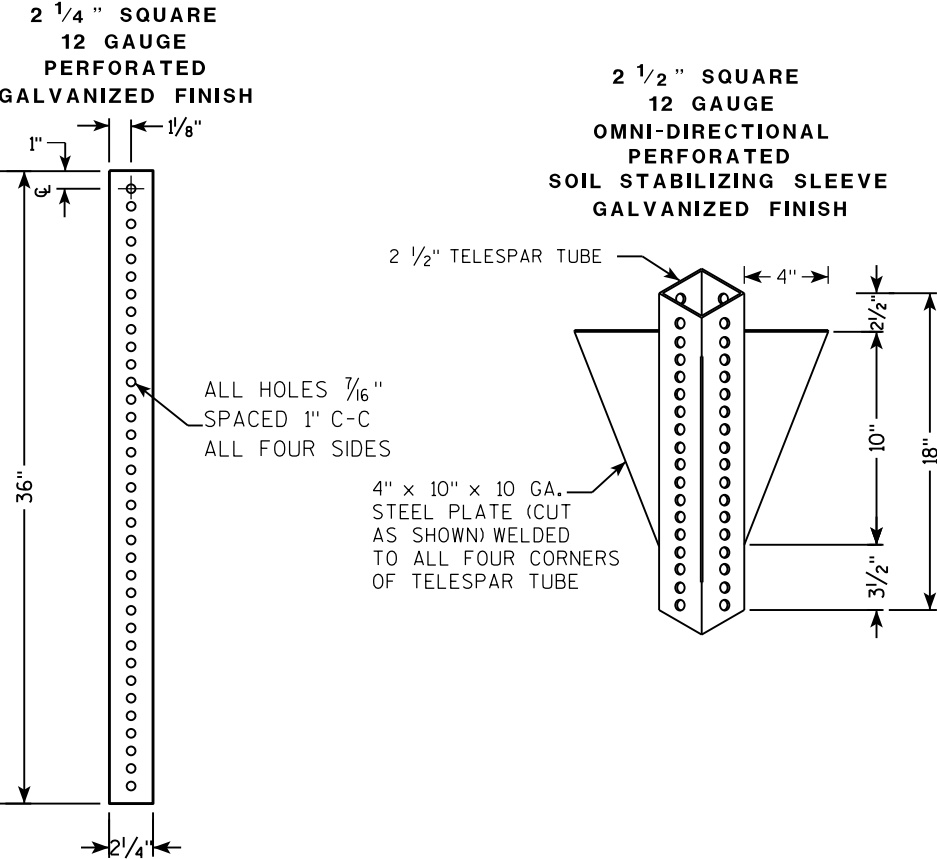


Washer Placement when Sign Has Other Than Type H or Type F Face

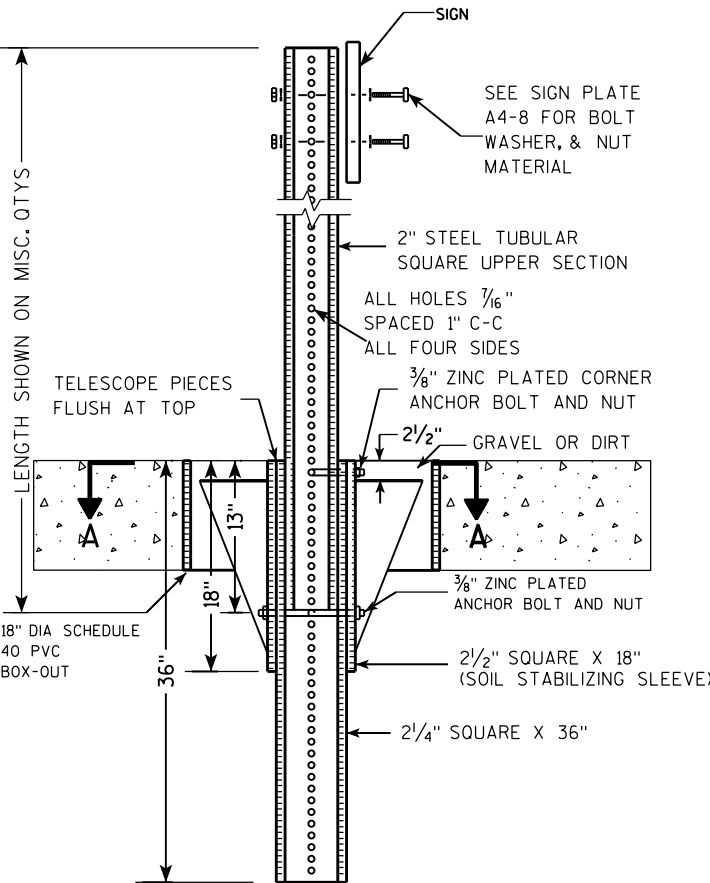
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require 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 3/23/10	PLATE NO. A4-8.7

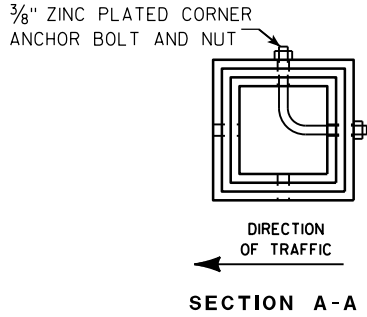
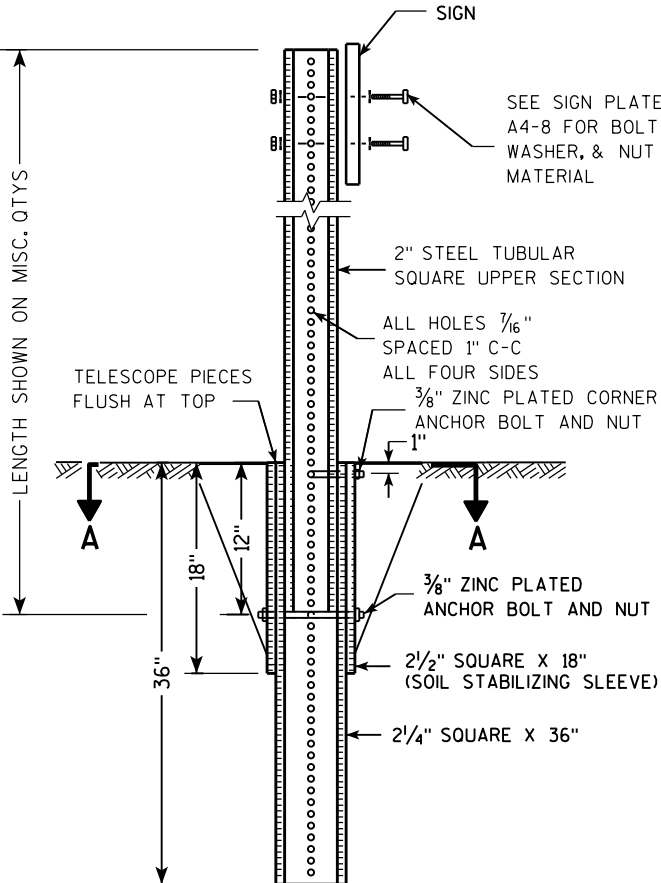
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



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



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



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

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

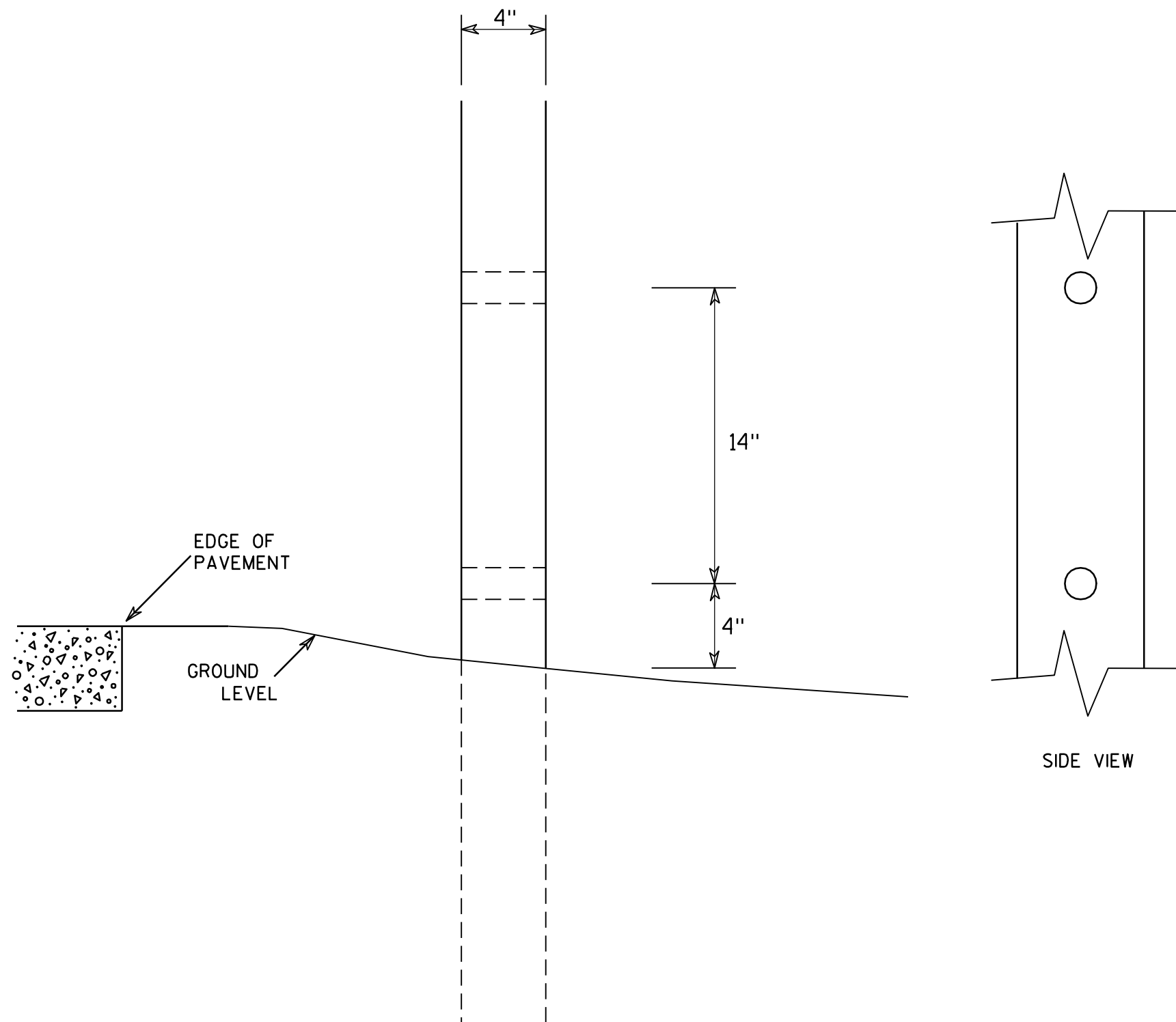
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

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

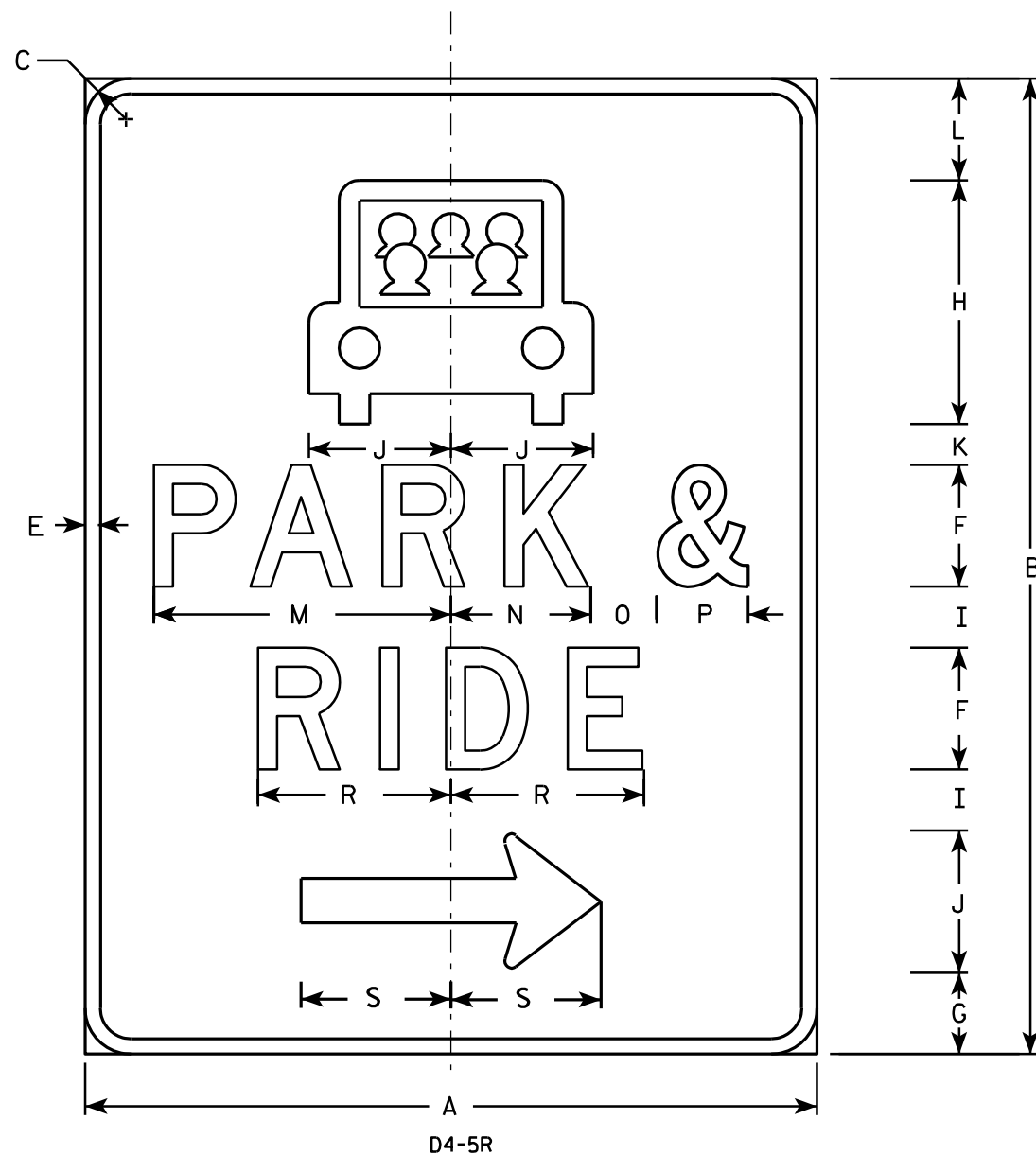
PROJECT NO:

HWY:

COUNTY:

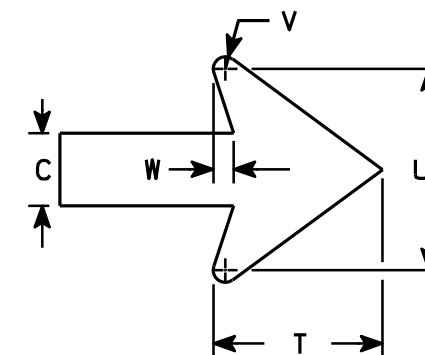
SHEET NO:

E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Green
Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The D4-5L is the same as a D4-5R except the arrow is reversed.



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																											
2	30	36	1 3⁄8		5⁄8	5	1 3⁄8	9	2	5	1 5⁄8	5	11 3⁄4	5 1⁄2	2 3⁄4	3 3⁄4		8	6 1⁄8	4	4 3⁄8	3⁄8	1⁄2				7.5
3	36	48	2 1⁄4		3⁄4	6	4	12	3	7	2	5	14 5⁄8	6 7⁄8	3 1⁄4	4 1⁄2		9 1⁄2	7 1⁄2	5 1⁄4	6 1⁄4	3⁄8	5⁄8				12.0
4																											
5																											

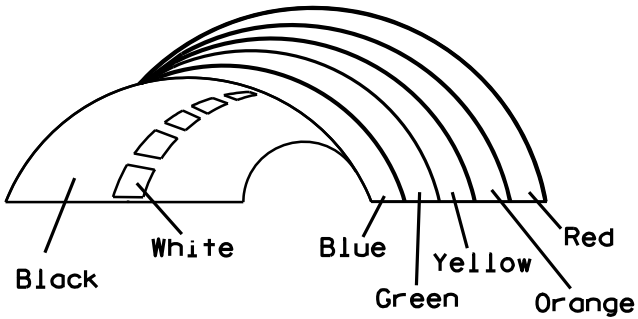
PROJECT NO:																											SHEET NO:	E
-------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----------	---

STANDARD SIGN D4-5 L&R	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 11/15/10	PLATE NO. D4-5.2



* VARIES

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

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 5)
3. Message Series - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
Line 1 - Red
Line 2 - Black
Line 3-5 - Blue
6. Line 1 - Dutch 8011L
Line 2 - Series E
Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign 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																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

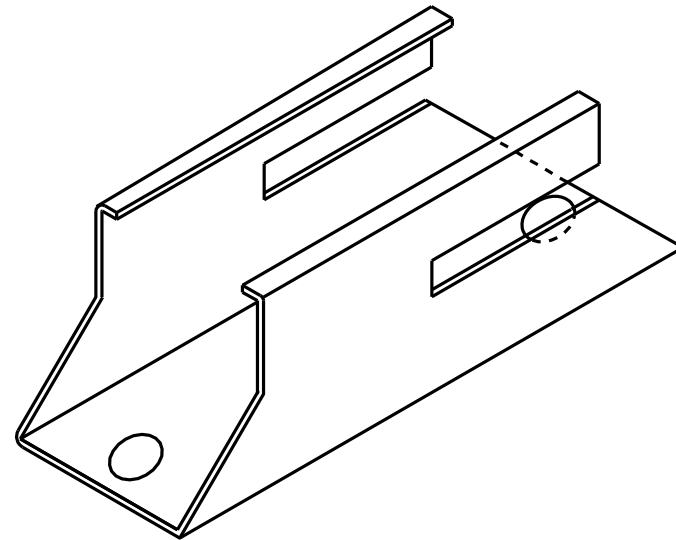
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

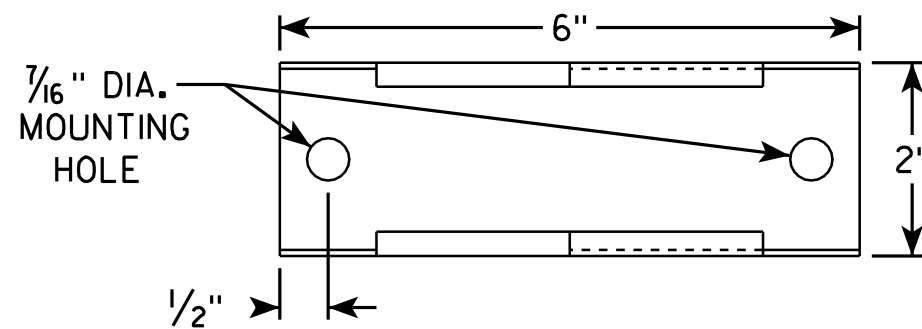
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/27/11 PLATE NO. I55-56.3

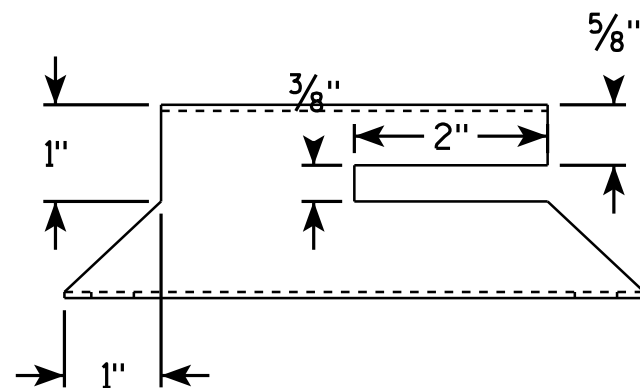
ISOMETRIC VIEW



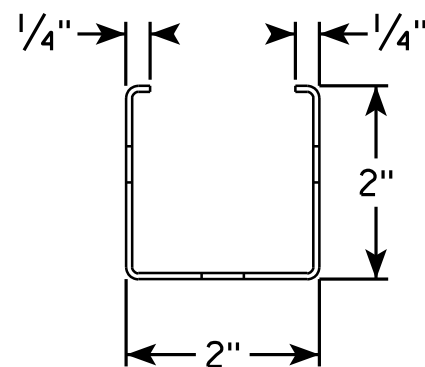
TOP VIEW



SIDE VIEW



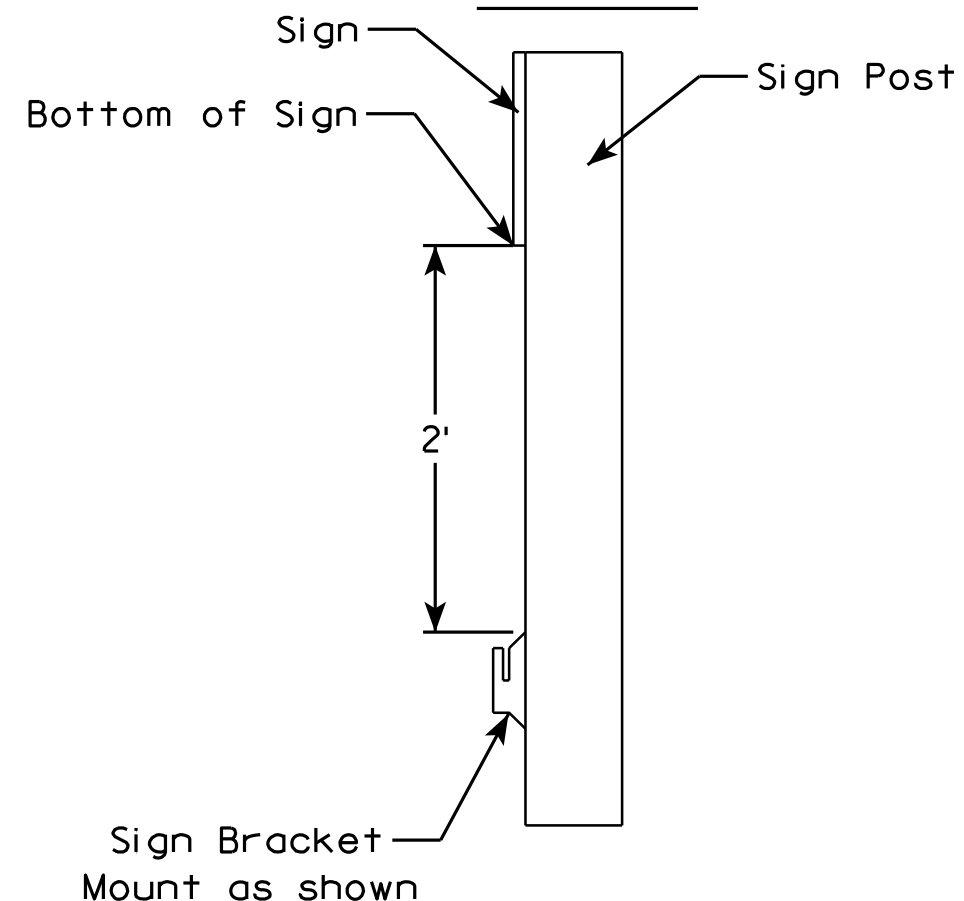
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

PROJECT NO:

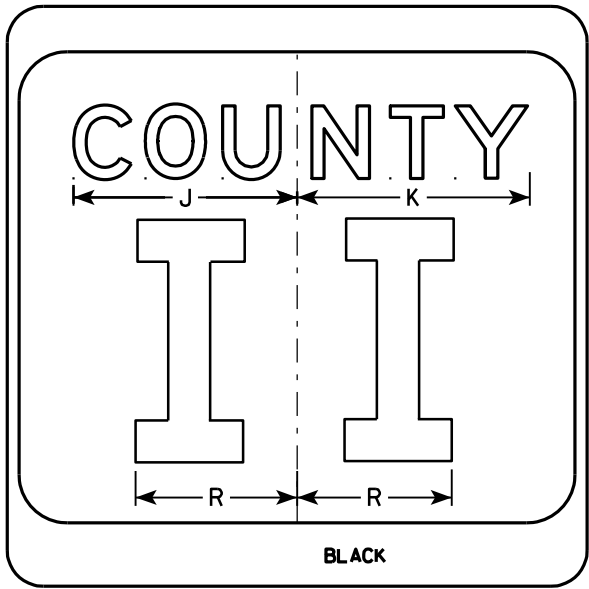
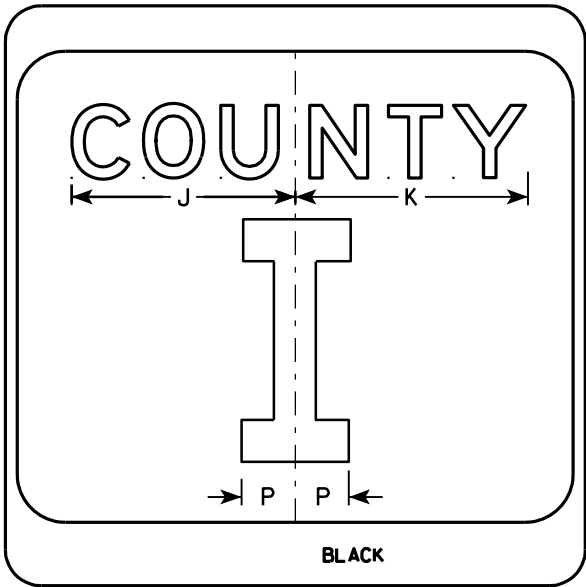
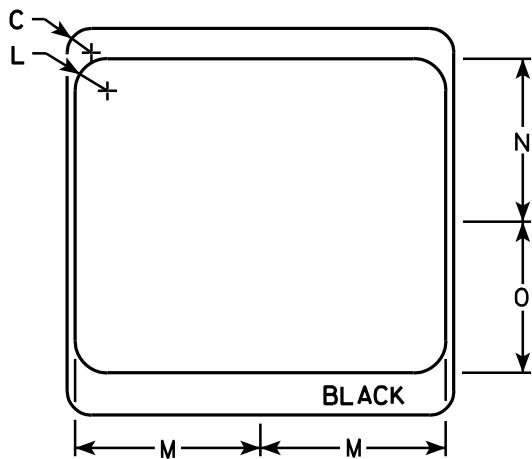
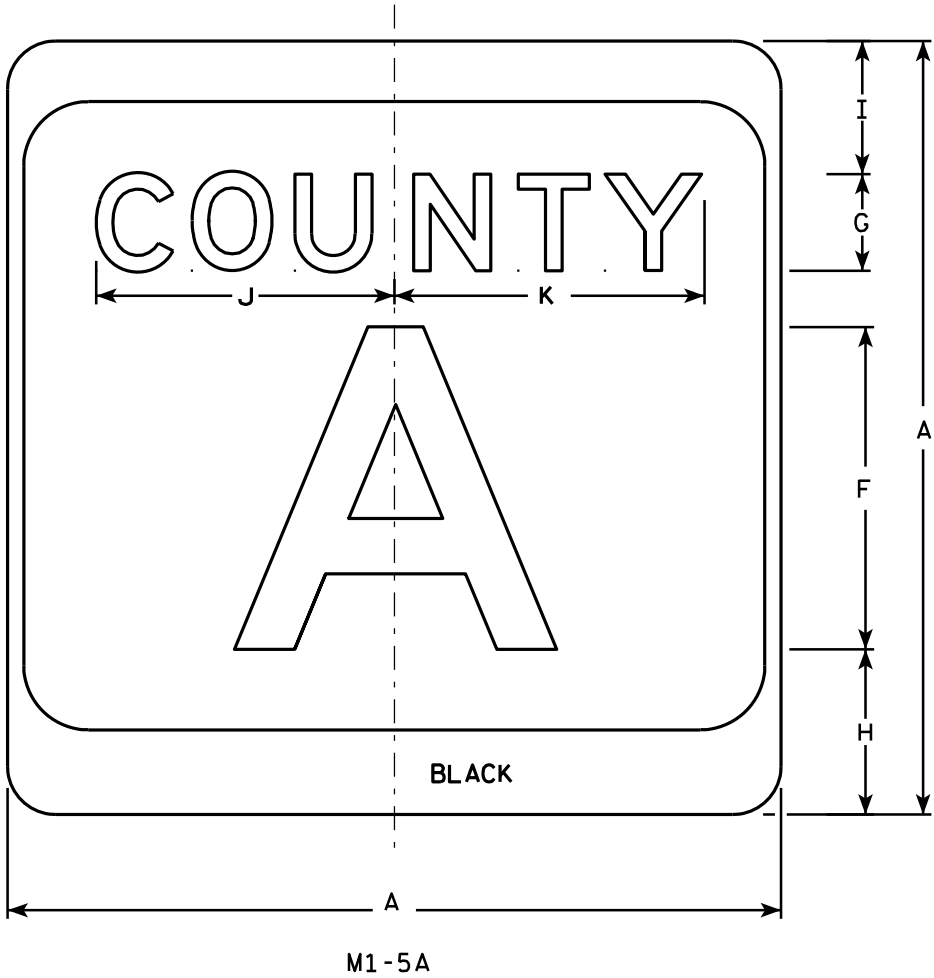
HWY:

COUNTY:

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

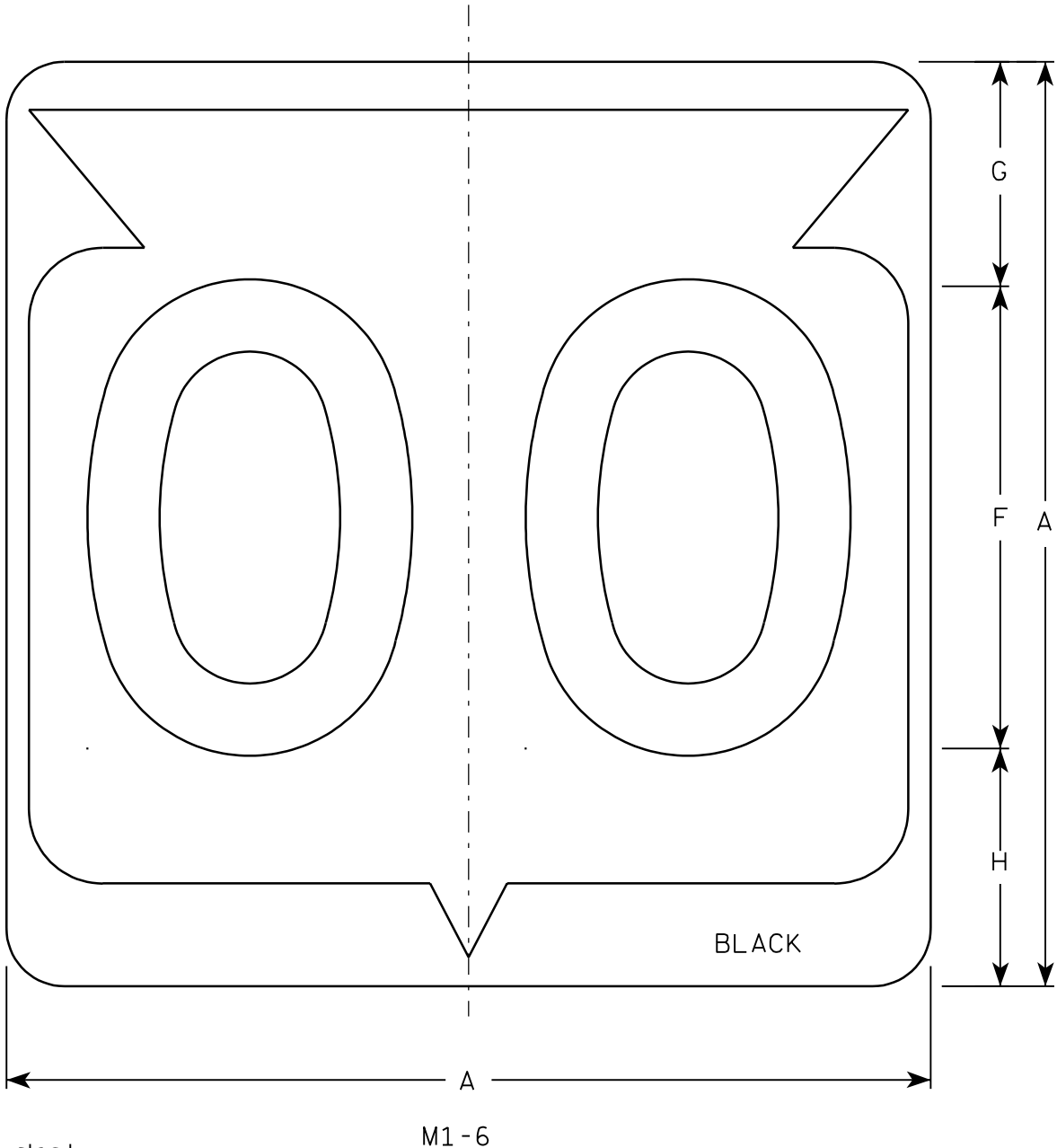
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
For State Traffic Engineer

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

7



Metric equivalent
for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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.	Area m ²
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	.36
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	.81
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	.81
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	.81

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

FILE NAME : C:\Users\Projects\tr_stdp\late\M16.DGN

PLOT DATE : 13-OCT-2005 14:55

PLOT BY : DITJPH

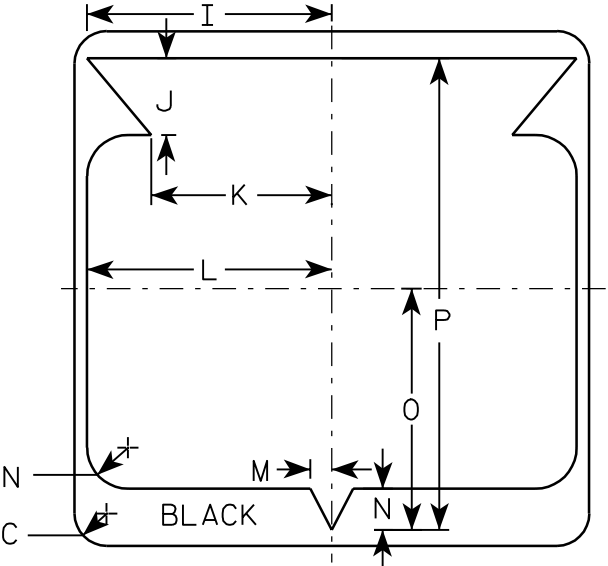
PLOT NAME :

PLOT SCALE : 6.715871:1.000000

WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 6
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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective



STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

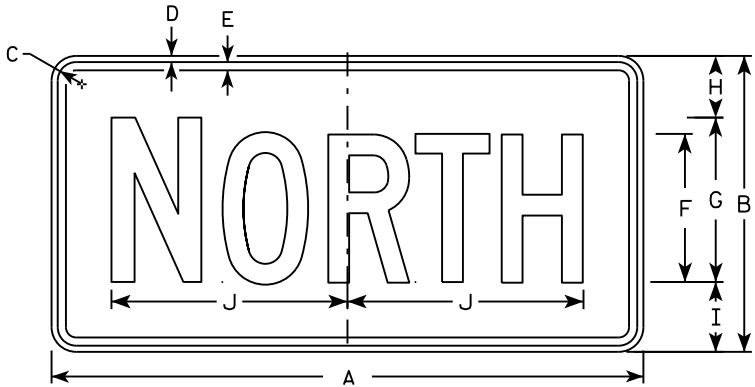
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

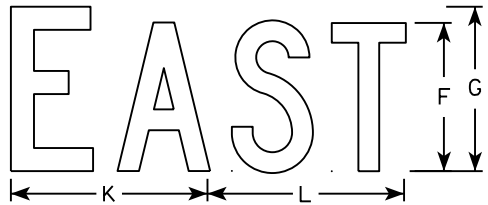
Chester J. Spang
for State Traffic Engineer

DATE 3/20/02

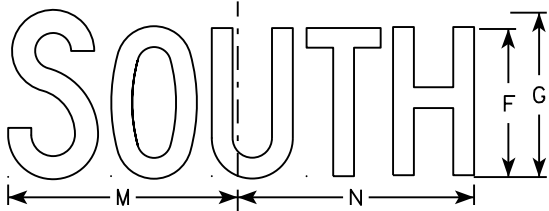
PLATE NO. M1-6.9



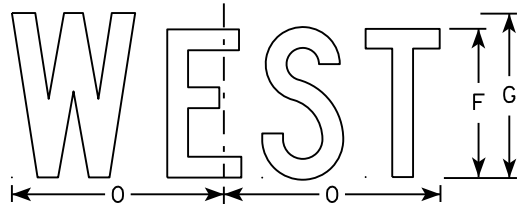
M3-1
MM3-1
MP3-1



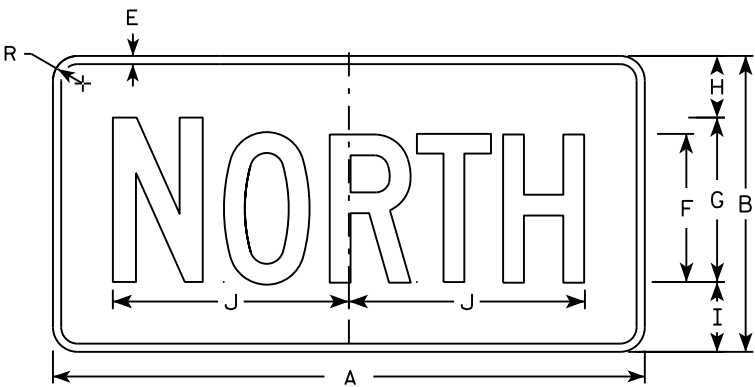
M3-2
MM3-2
MP3-2



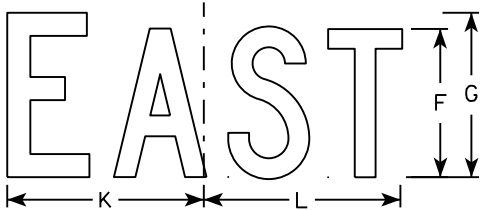
M3-3
MM3-3
MP3-3



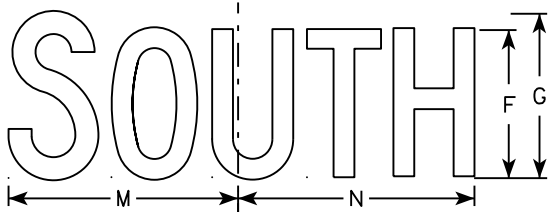
M3-4
MM3-4
MP3-4



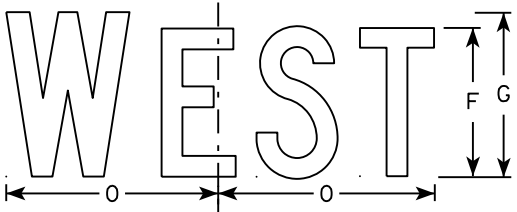
MB3-1
MK3-1
MN3-1



MB3-2
MK3-2
MN3-2



MB3-3
MK3-3
MN3-3



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs 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. M3-1 thru M3-4 Background - White
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White
MK3-1 thru MK3-4 Background - Green
Message - White
MM3-1 thru MM3-4 Background - White
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White
MP3-1 thru MP3-4 Background - White
Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

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	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thru M3-4
SERIES

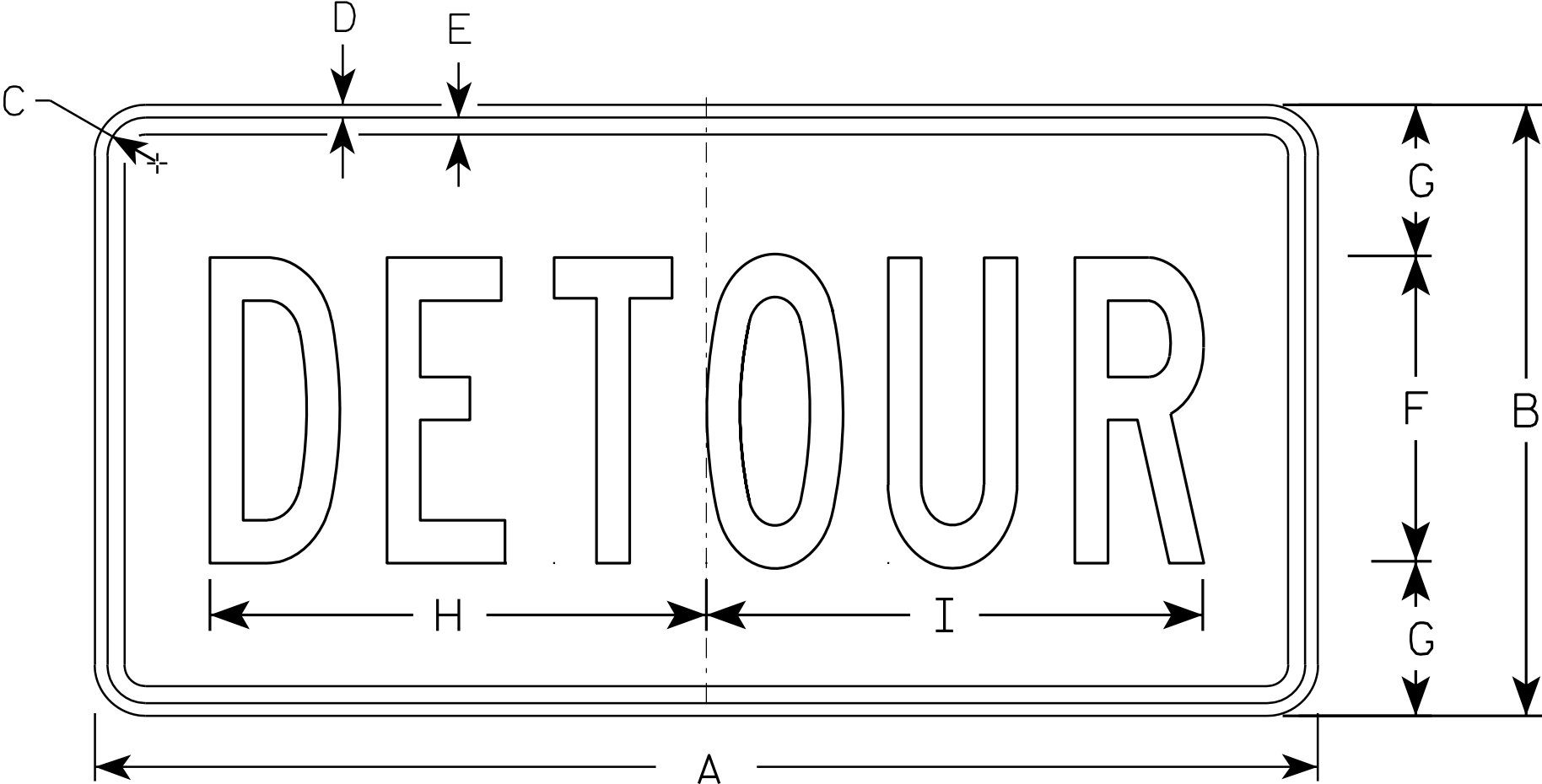
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M3-1.14

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Orange
 - Message - Black
- 3. Message Series - B
- 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.



M4 - 8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

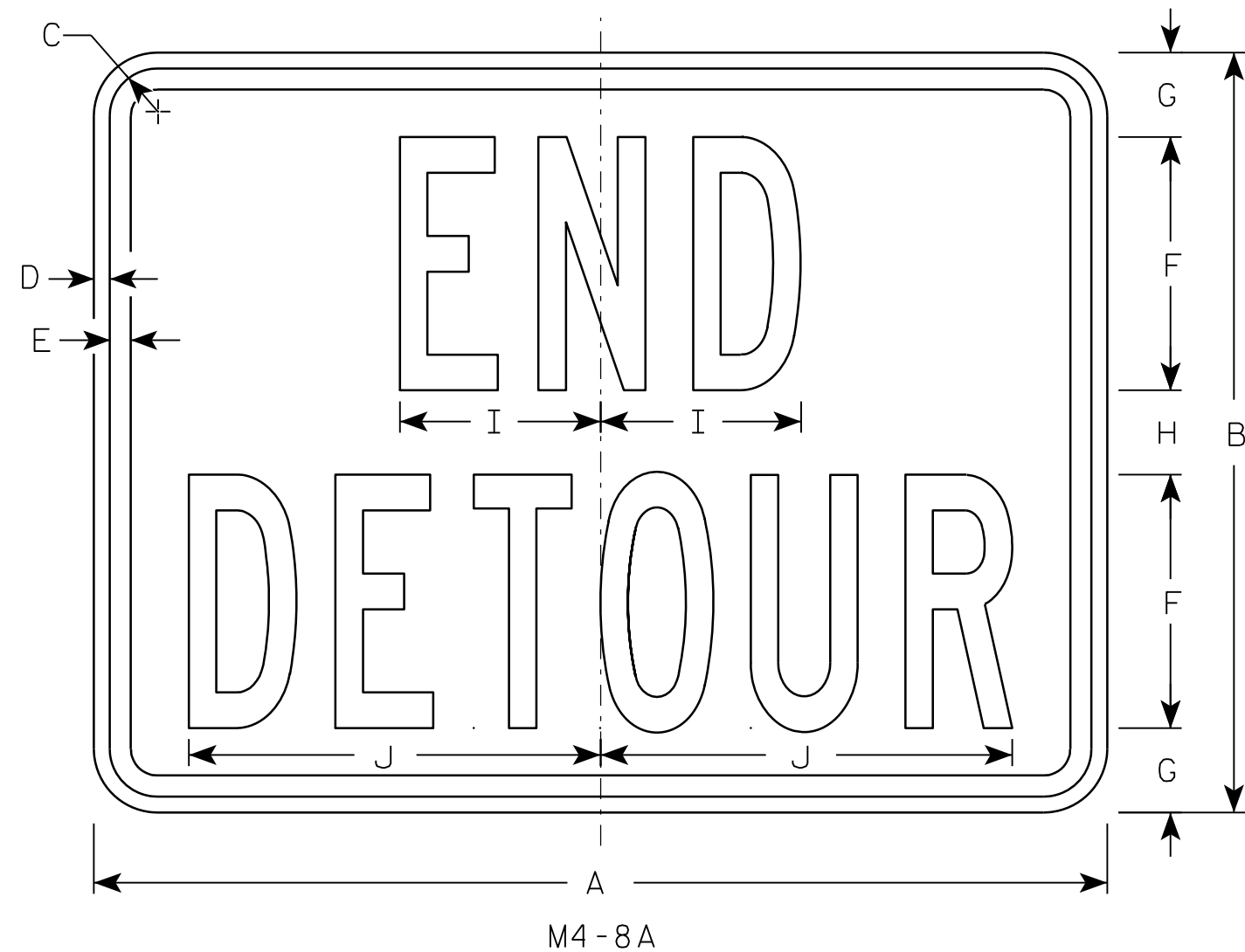
STANDARD SIGN
M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

7



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - B
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	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

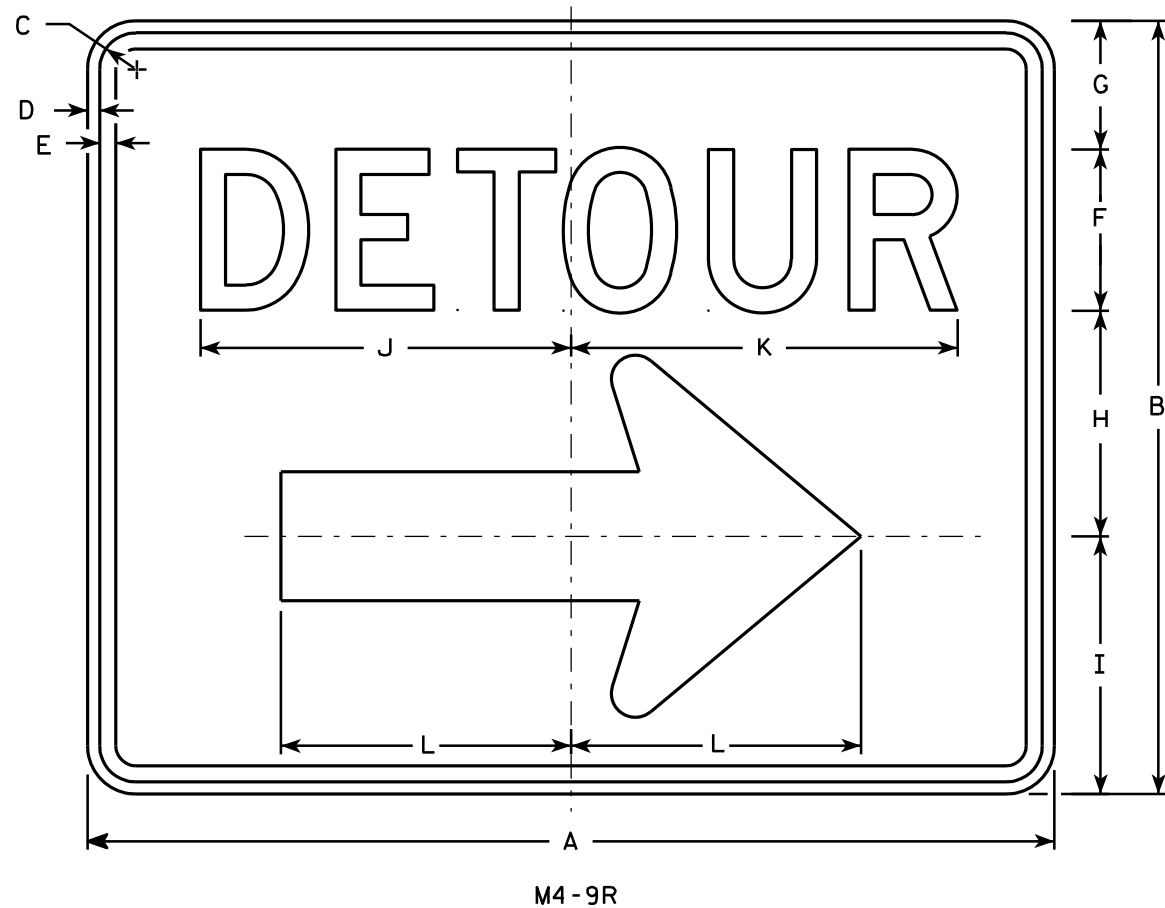
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

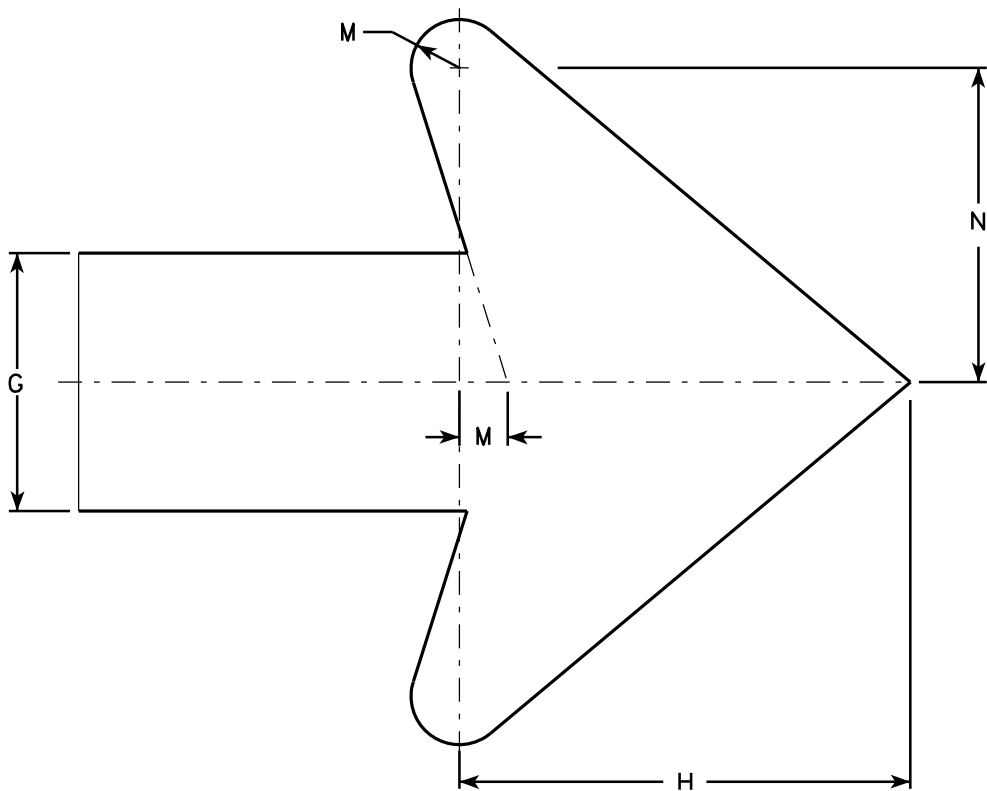
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2



NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Orange
Message - Black
- 3. Message Series - D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

STANDARD SIGN

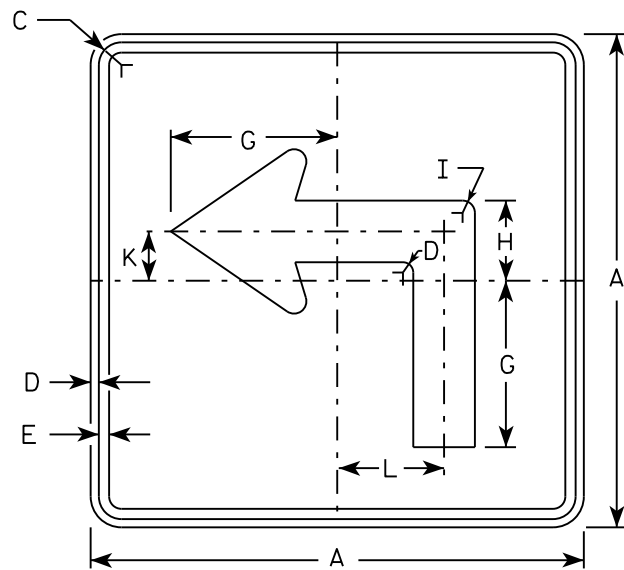
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

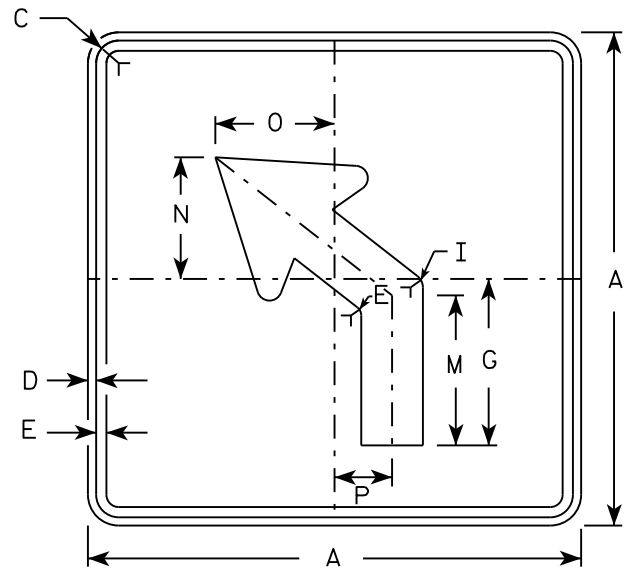
APPROVED *Matthew R. Rauch*

For State Traffic Engineer

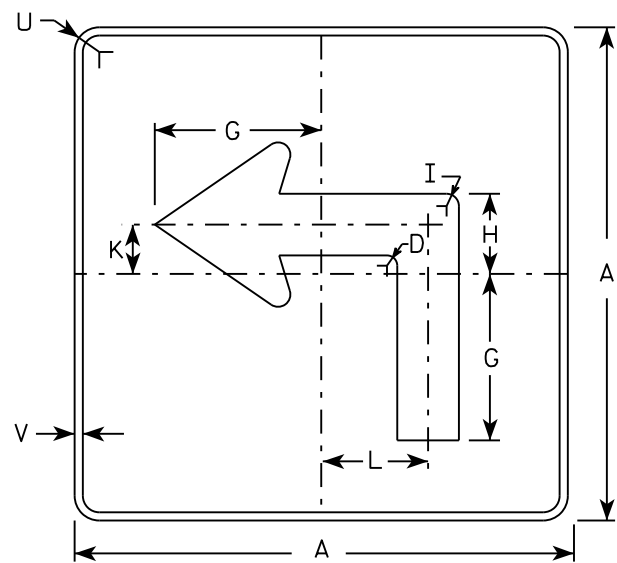
DATE 3/9/11 PLATE NO. M4-9R.4



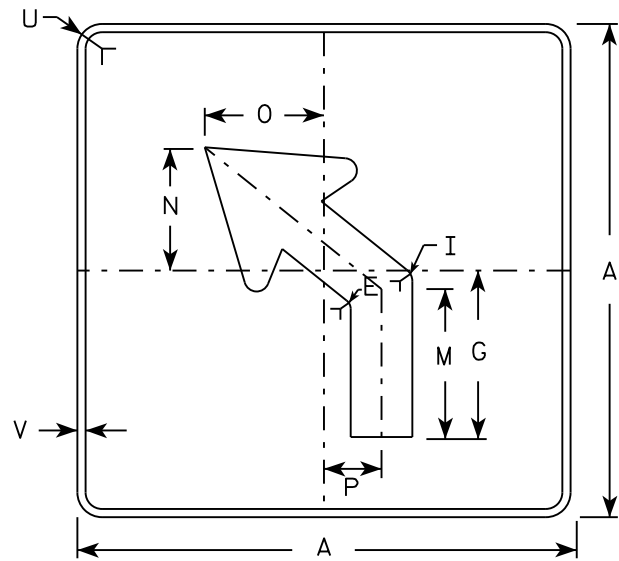
M5-1L
MM5-1L
M05-1L
MP5-1L



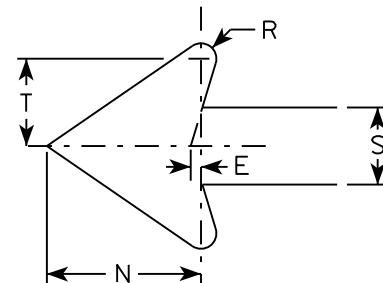
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective 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.
- | | |
|-----------------|---|
| M5-1 and M5-2 | Background - White |
| | Message - Black |
| MB5-1 and MB5-2 | Background - Blue |
| | Message - White |
| MK5-1 and MK5-2 | Background - Green |
| | Message - White |
| MM5-1 and MM5-2 | Background - White |
| | Message - Green |
| MN5-1 and MN5-2 | Background - Brown |
| | Message - White |
| M05-1 and M05-2 | Background - Orange - Type F Reflective |
| | Message - Black |
| MP5-1 and MP5-2 | Background - White - Type H Reflective |
| | Message - Blue |
| MR5-1 and MR5-2 | Background - Brown |
| | Message - Yellow |
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts 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	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

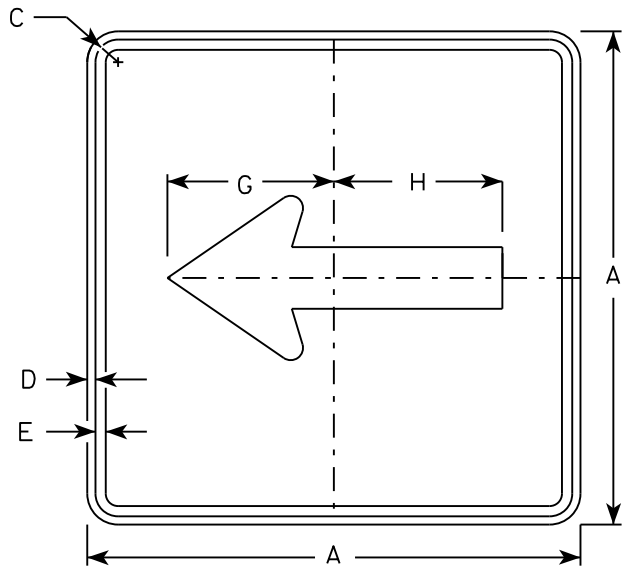
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M5-1 & M5-2

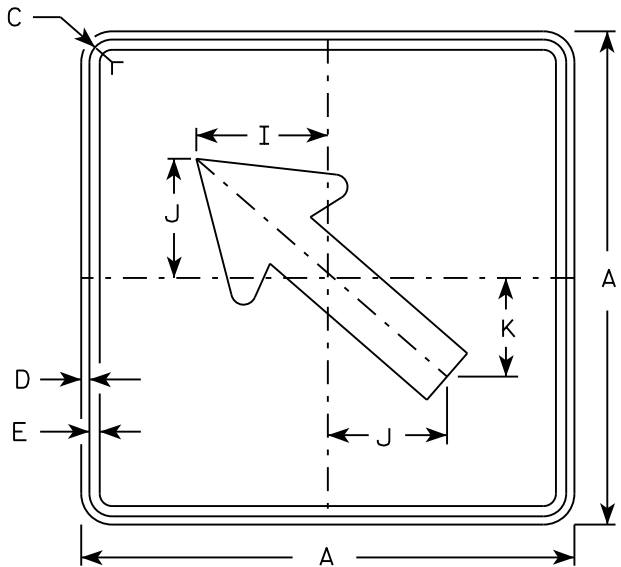
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

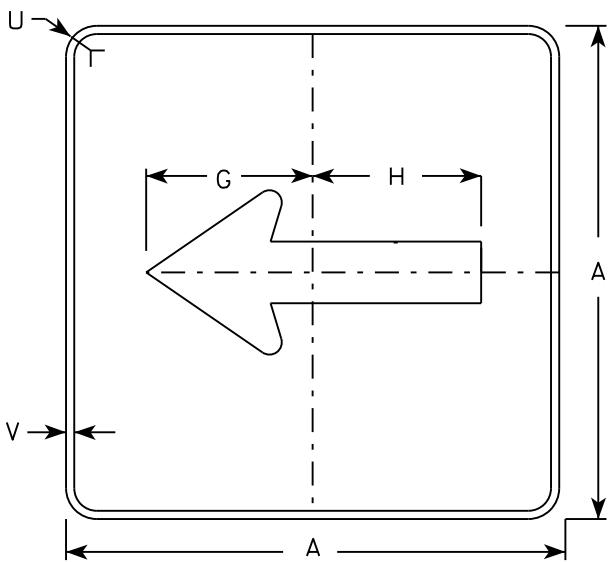
DATE 10/15/15 PLATE NO. M5-1.13



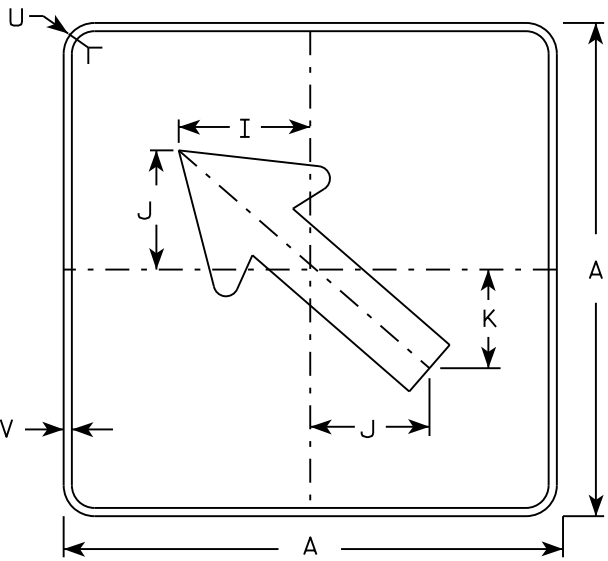
M6 - 1
MM6 - 1
M06 - 1
MP6 - 1



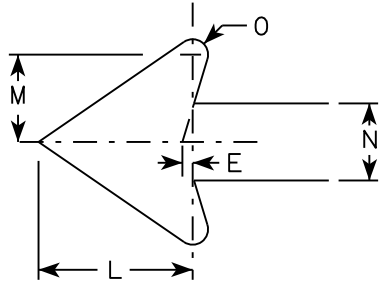
M6 - 2
MM6 - 2
M06 - 2
MP6 - 2



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:

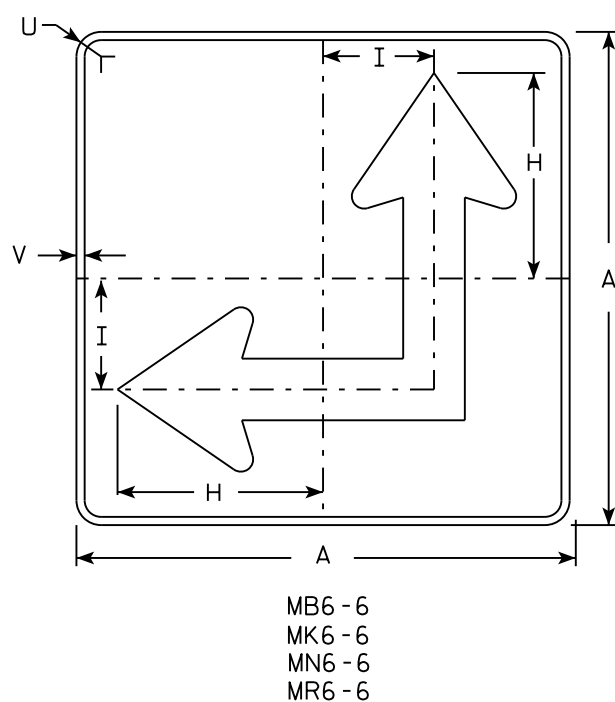
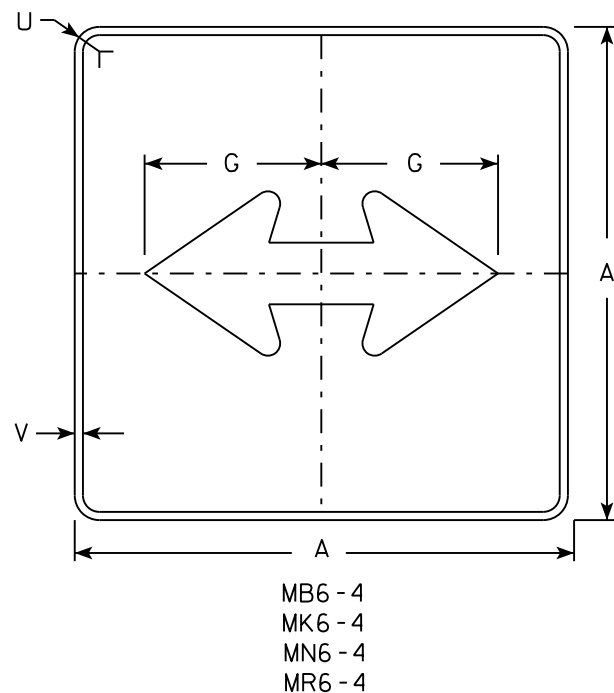
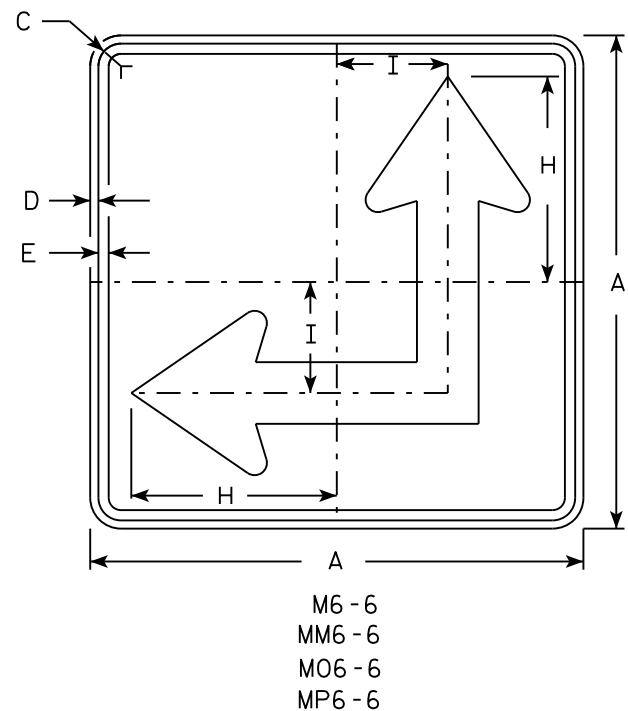
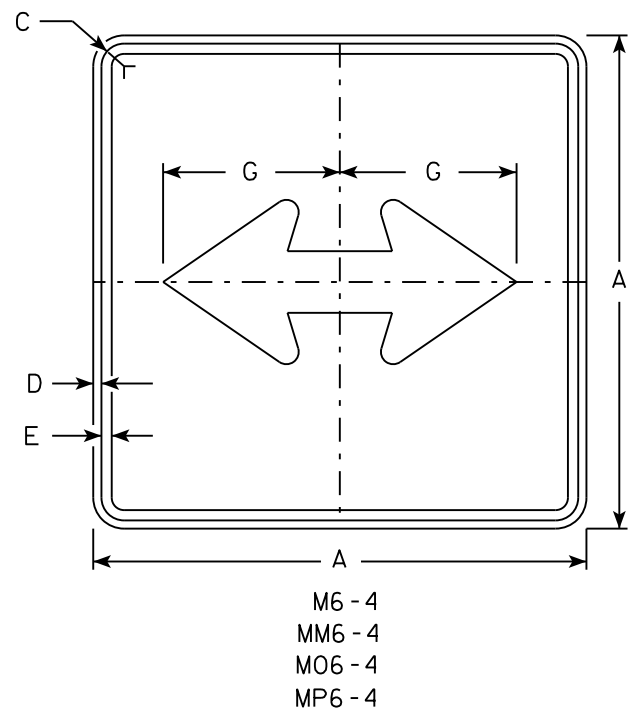
E

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

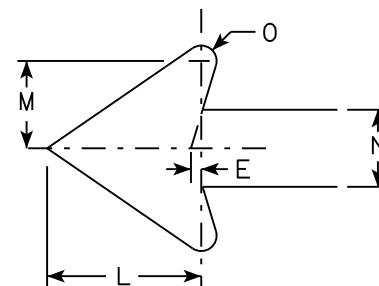
APPROVED
Matthew R. Rauch
for State Traffic Engineer

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

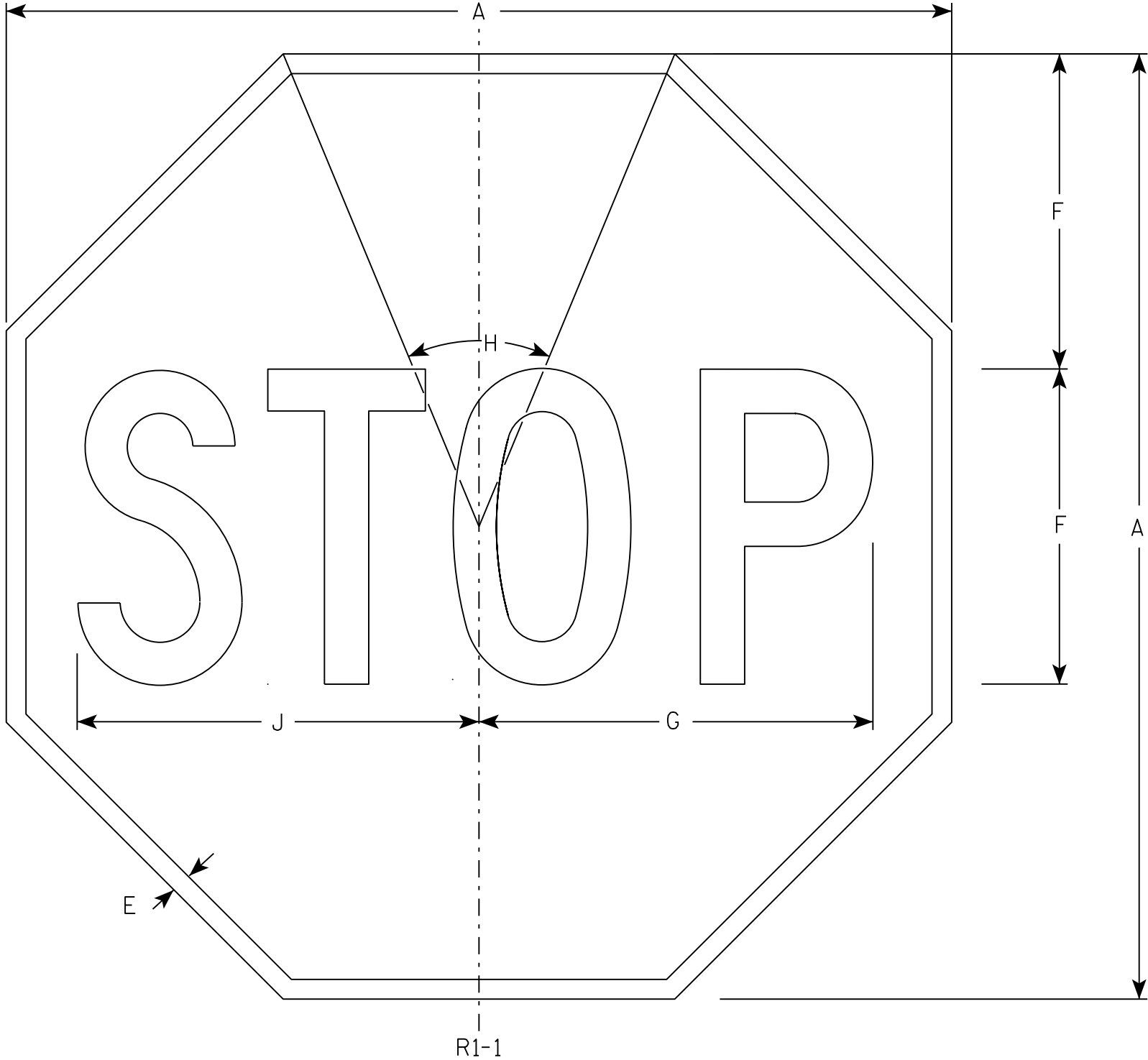
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



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

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

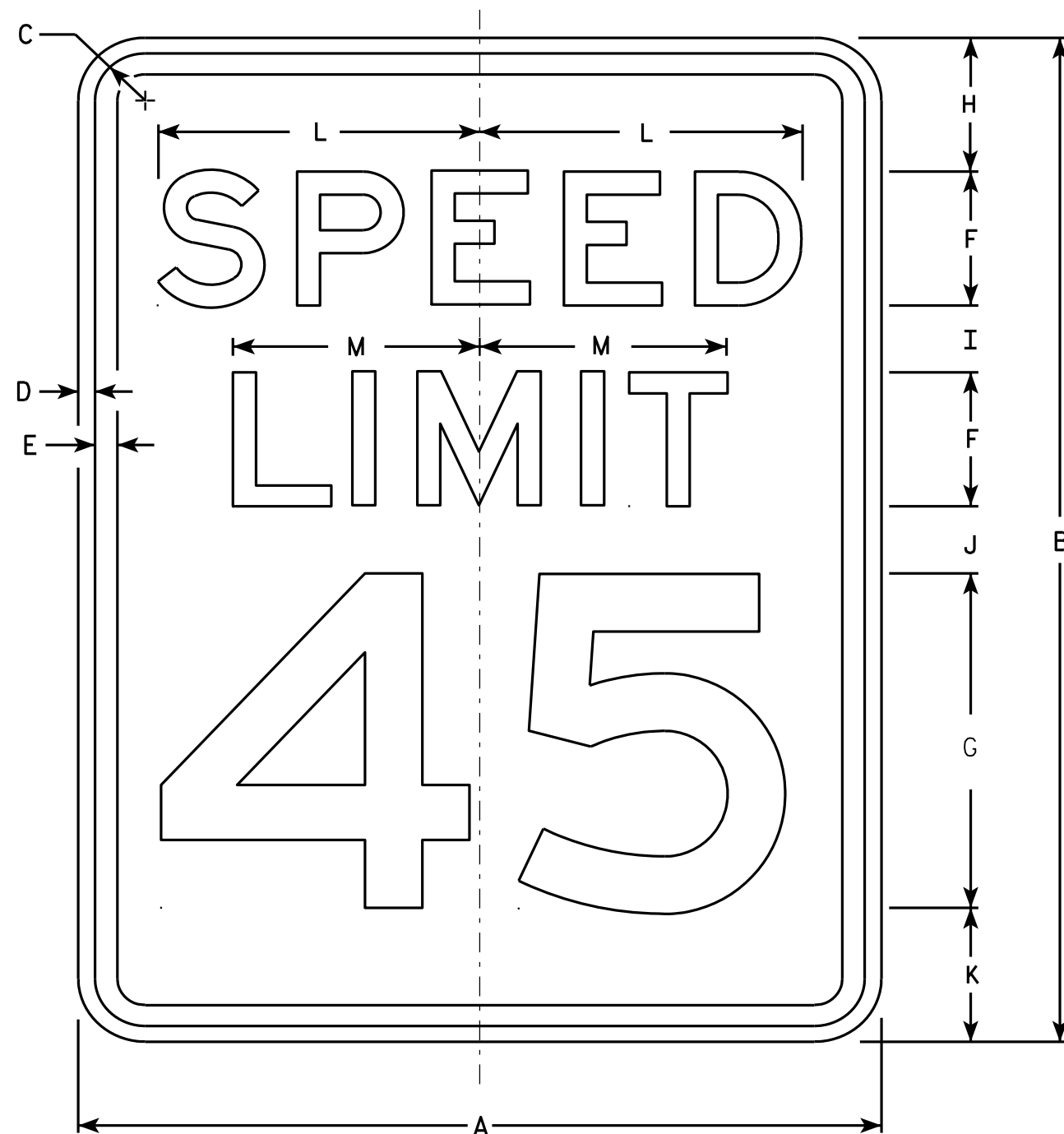
STANDARD SIGN

R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



R2-1

NOTES

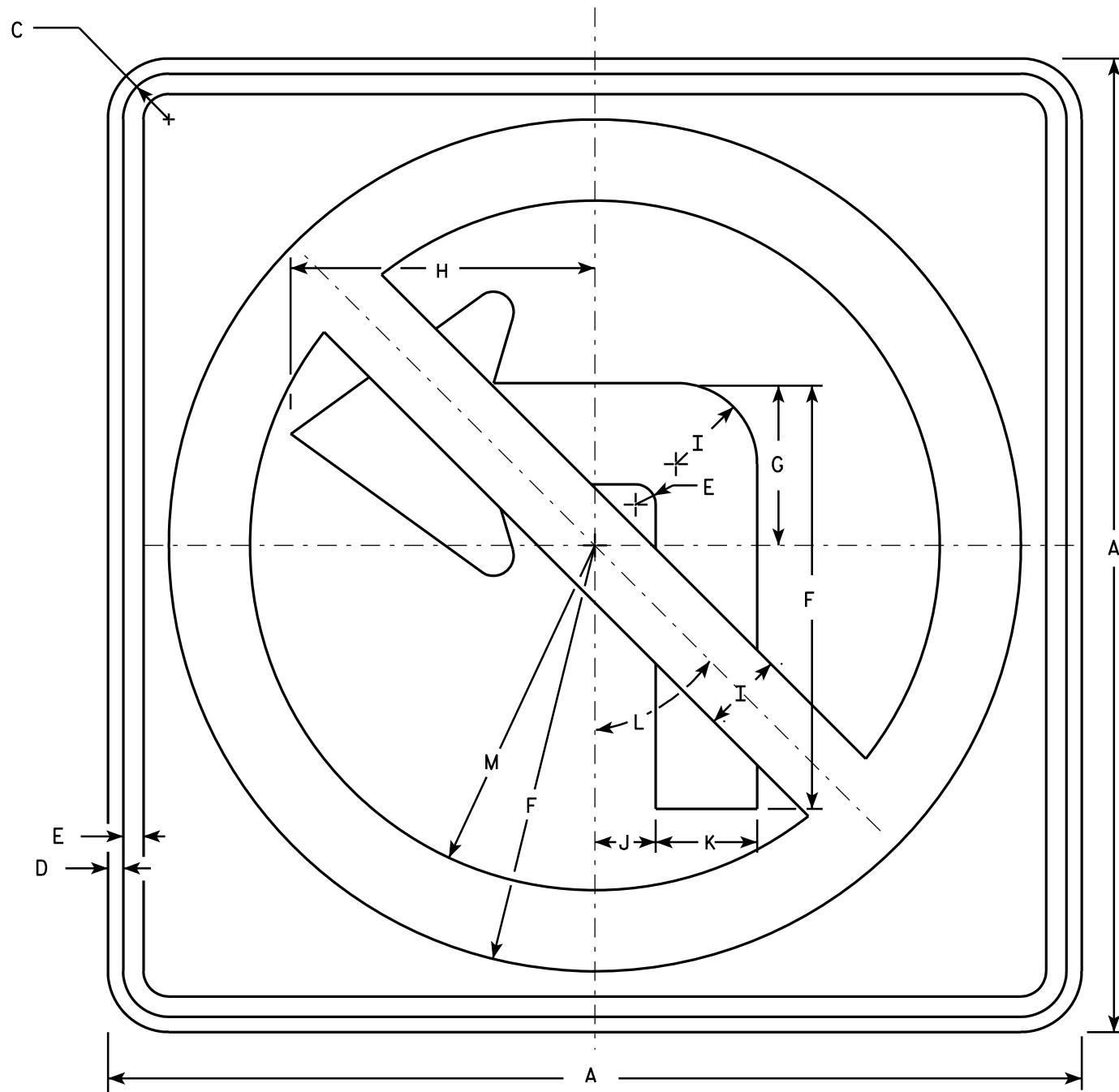
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as 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.

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

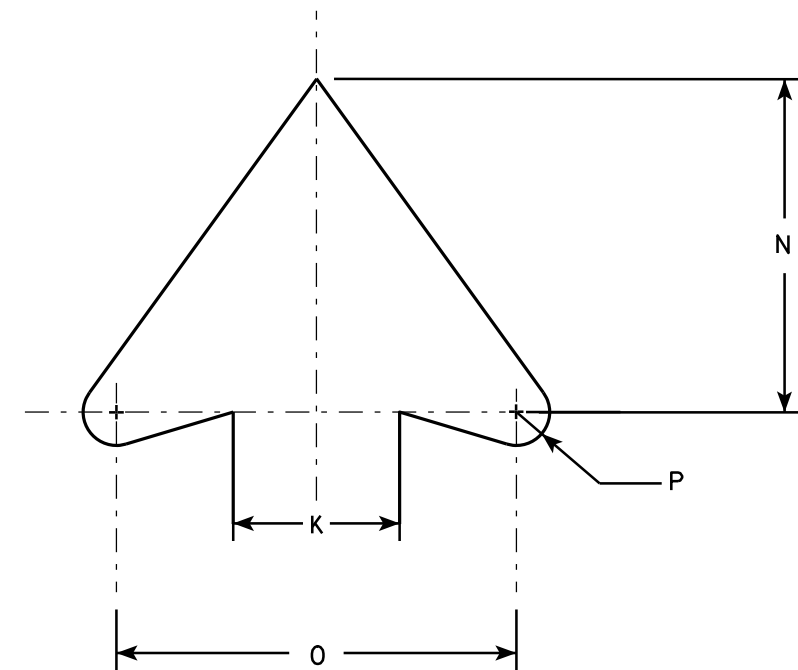
PROJECT NO: HWY: COUNTY: SHEET NO: E



R3-2

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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:

HWY:

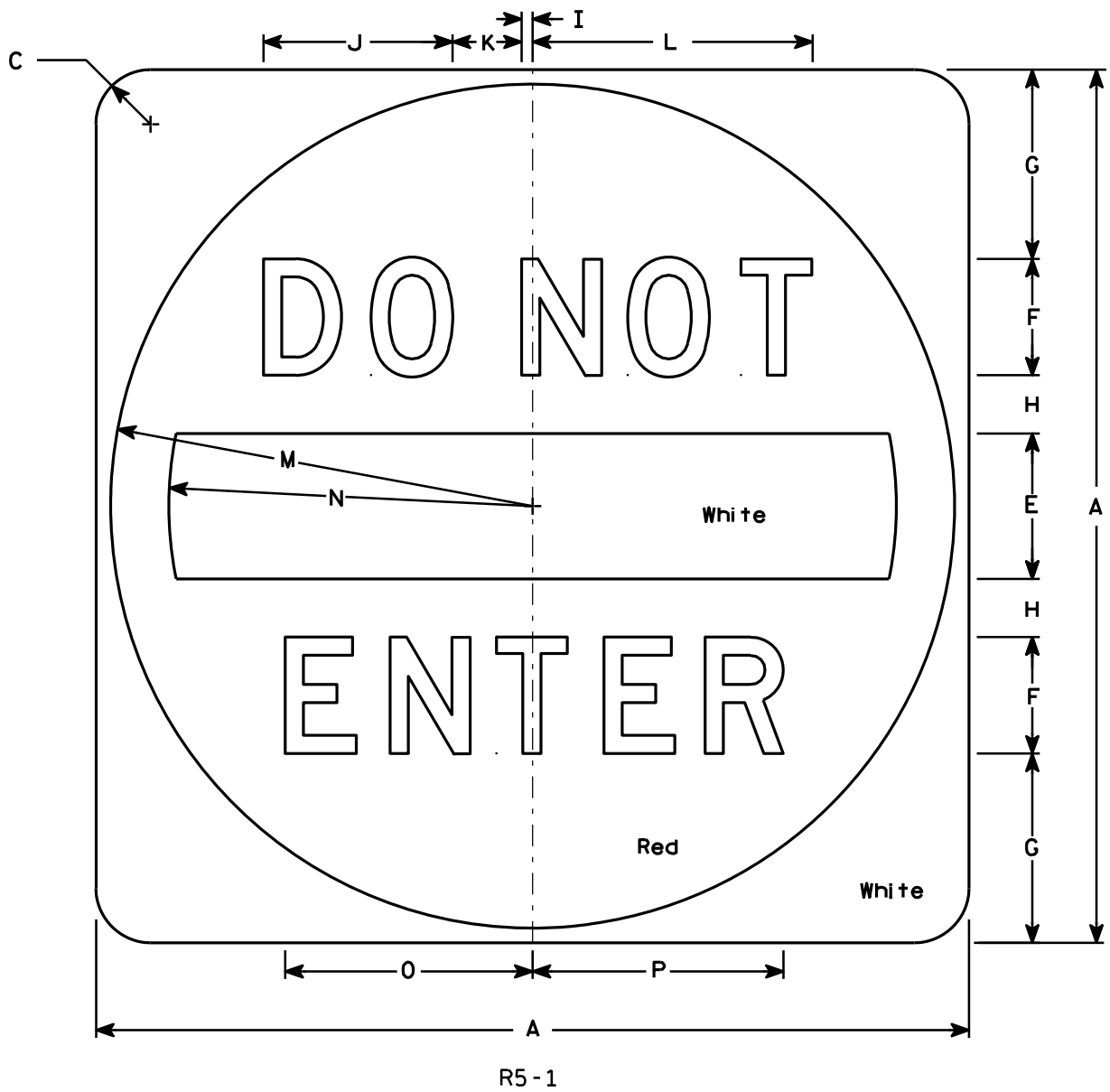
COUNTY:

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 - See detail
 - Message - White - Type H Reflective
- 3. Message Series - D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the corners 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	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											6.26
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

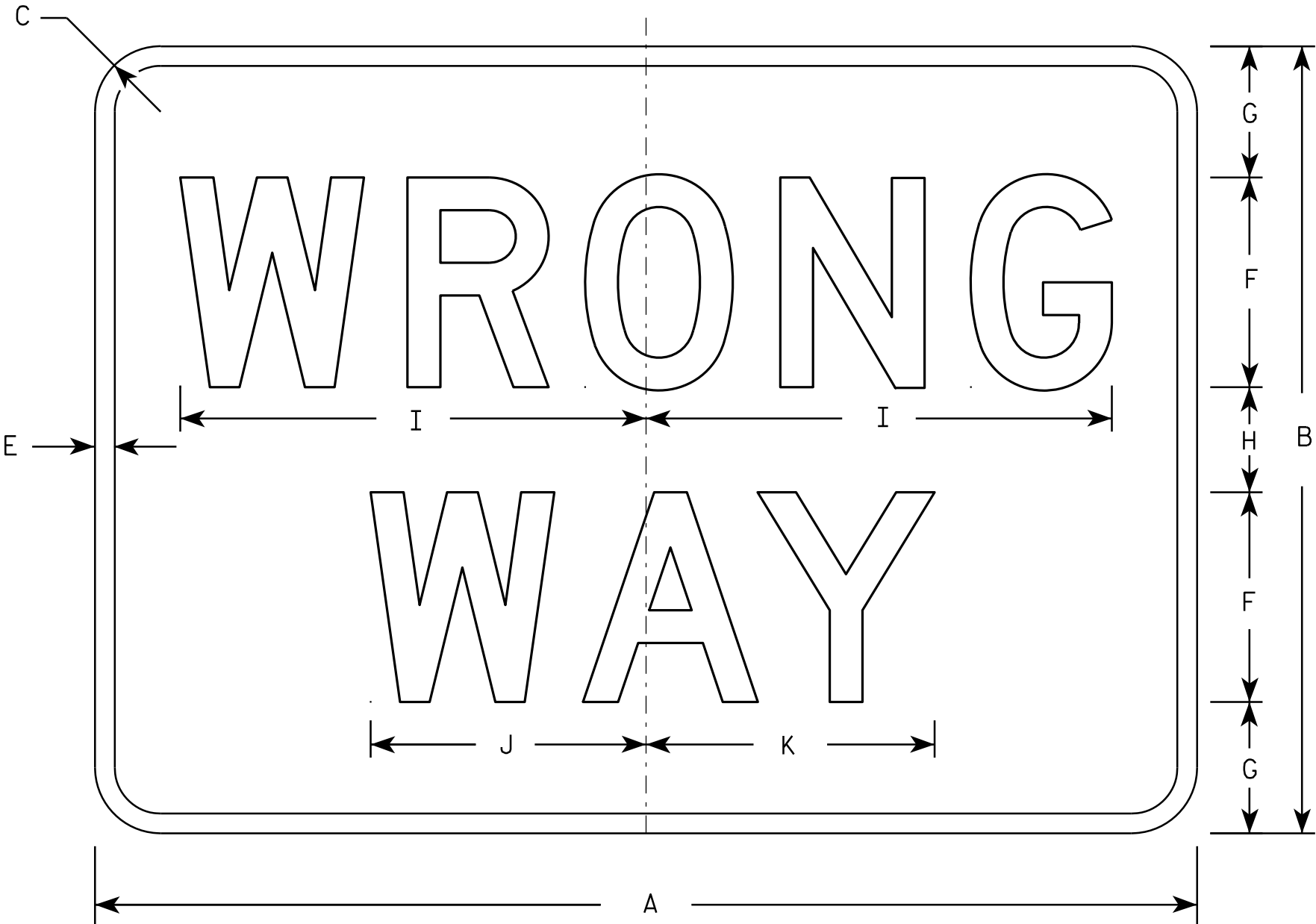
STANDARD SIGN

R5 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15



R5-1A

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 - D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

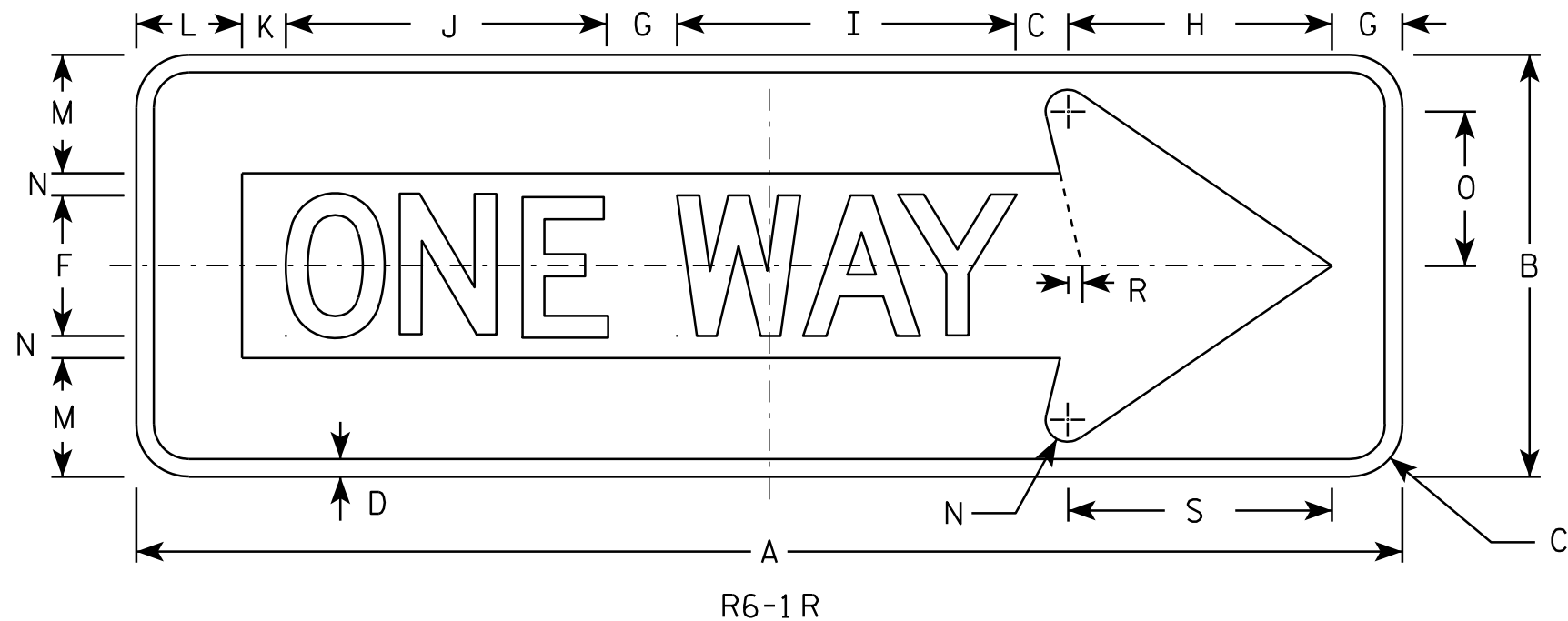
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

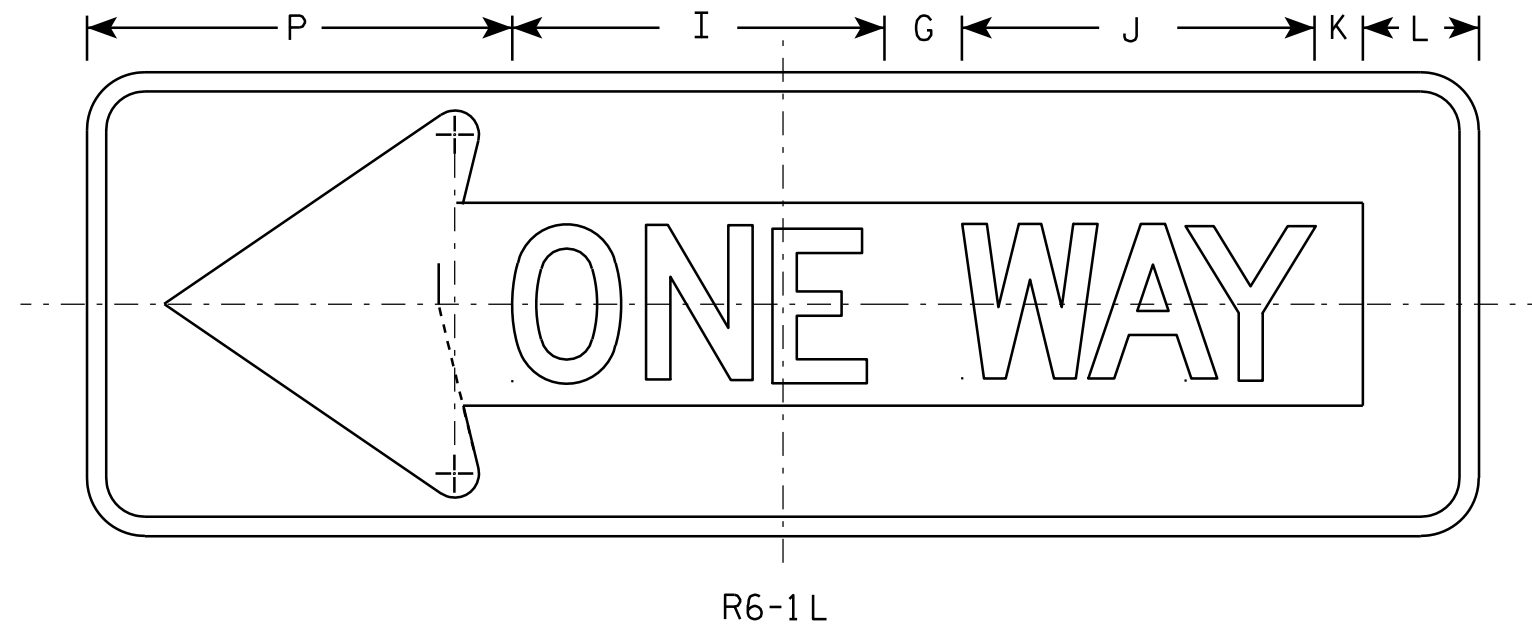
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - BLACK
Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

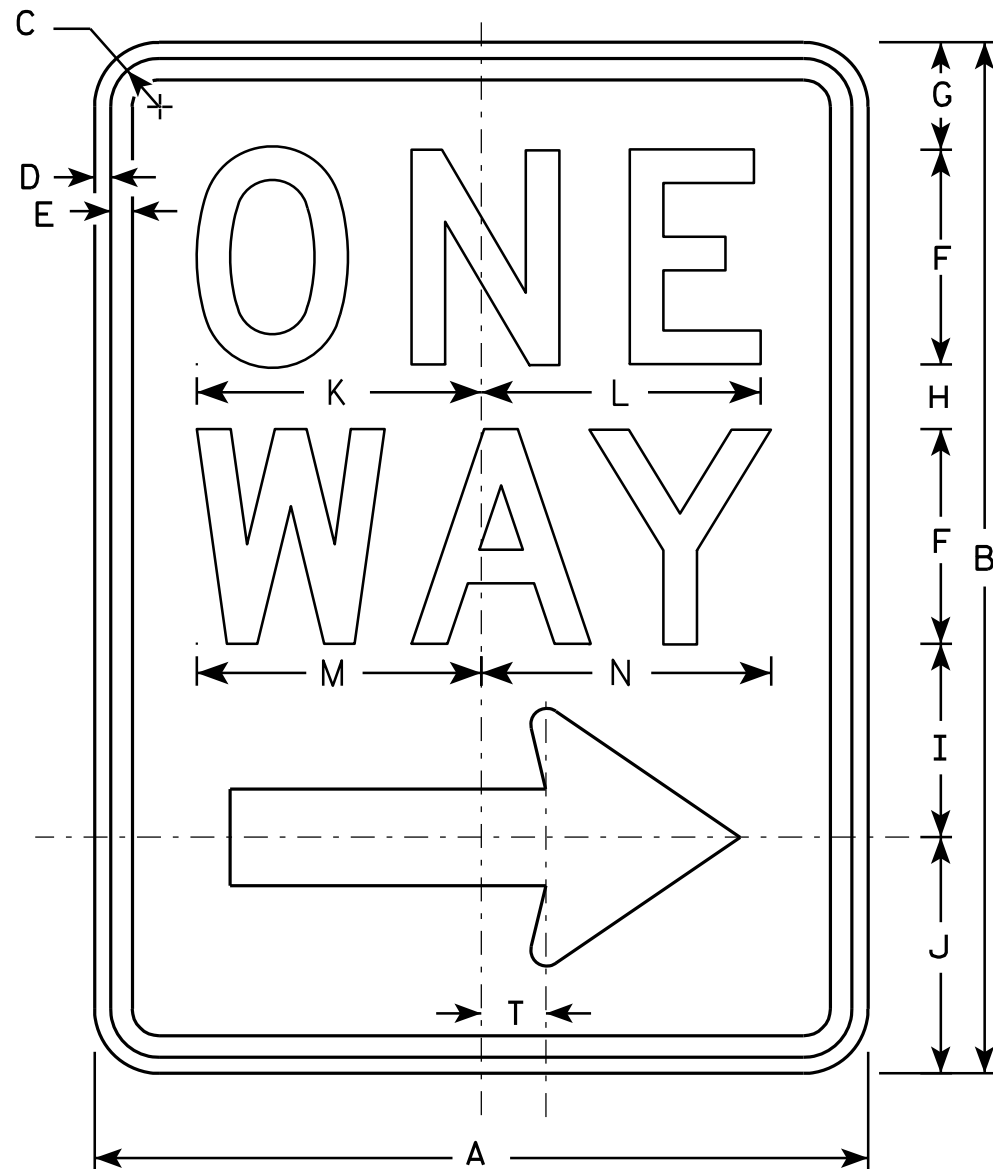
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO:

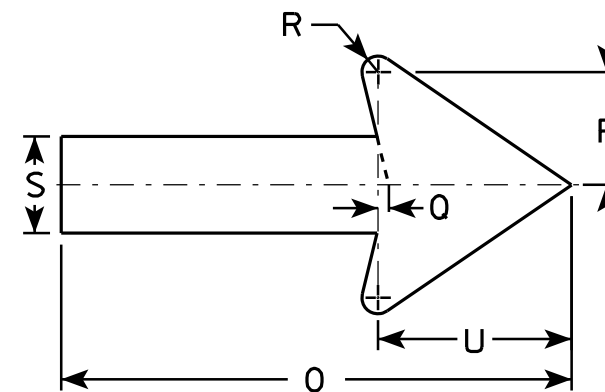
E



R6-2R

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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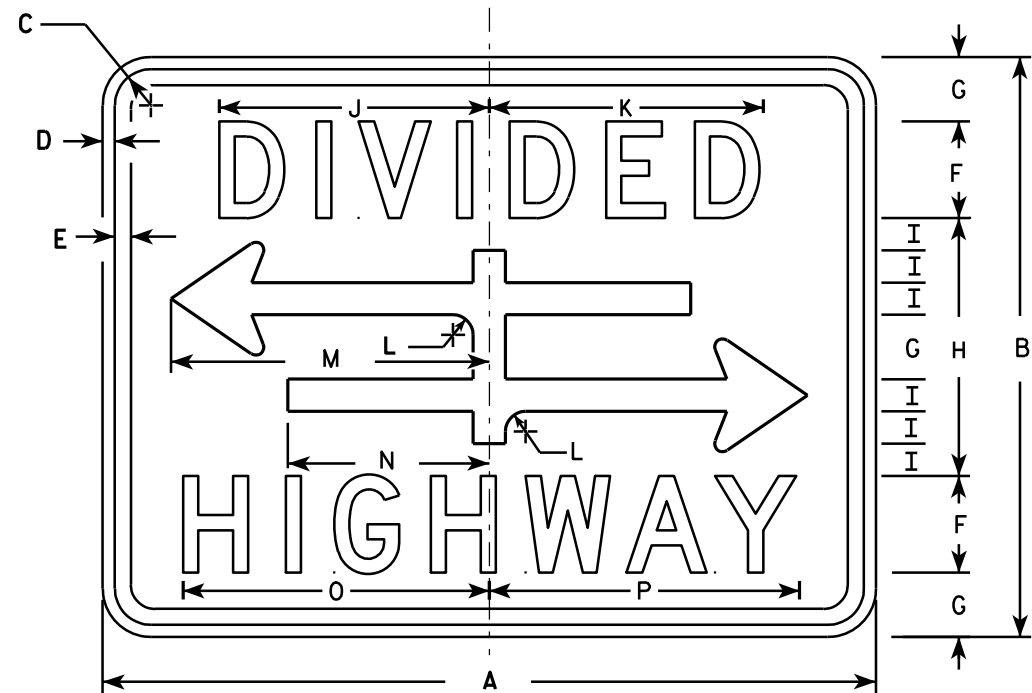
STANDARD SIGN

R6-2 R&L

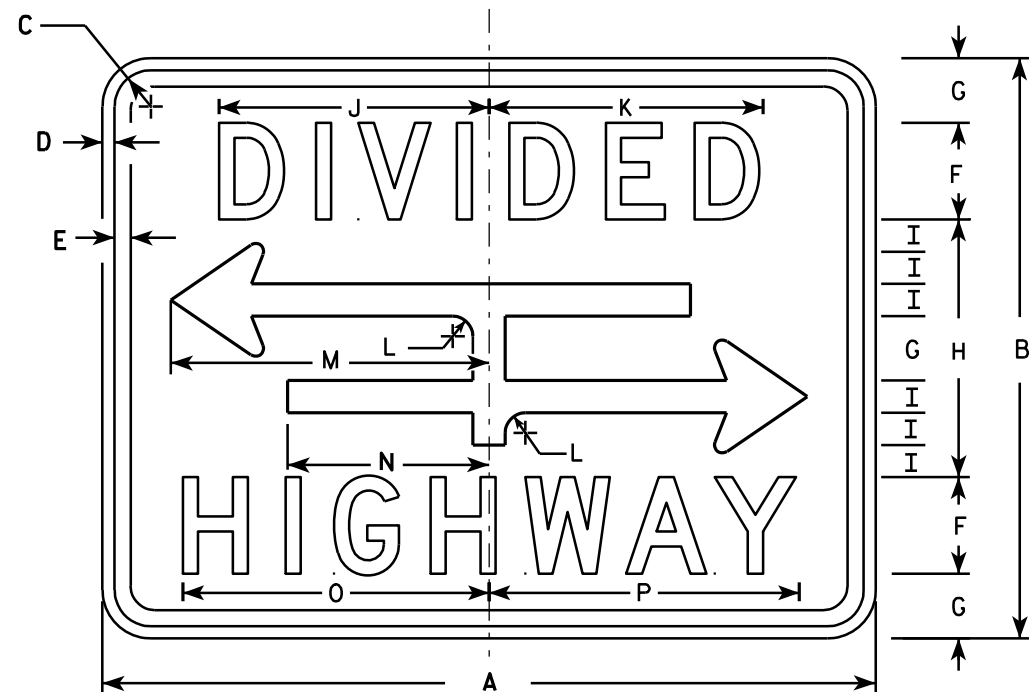
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8



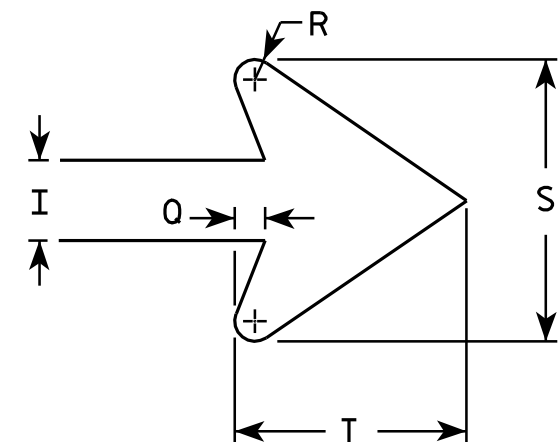
R6-3



R6-3A

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO:

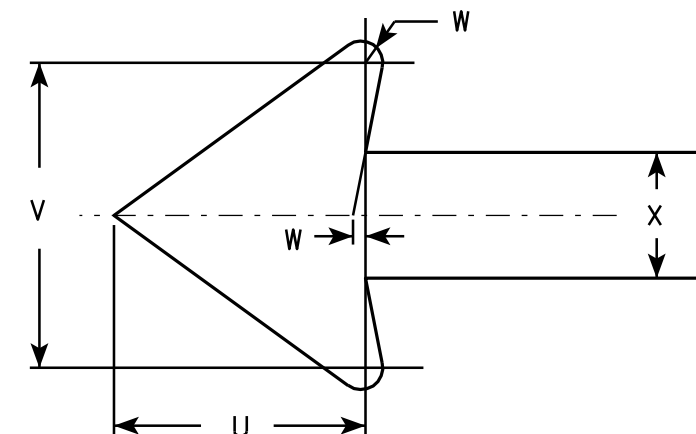
E



R7-1

NOTES

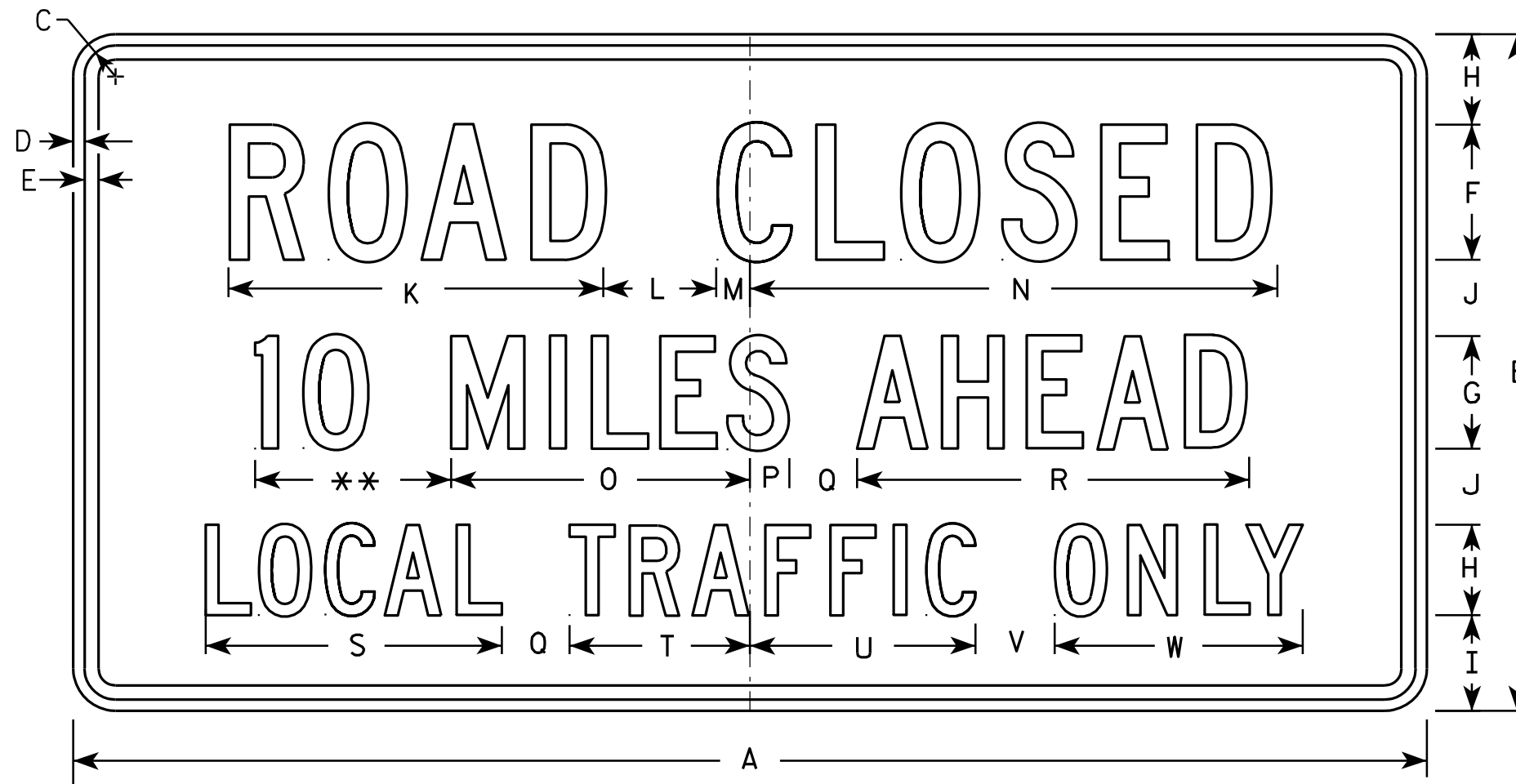
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded 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	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 3/31/2011	PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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R11-3

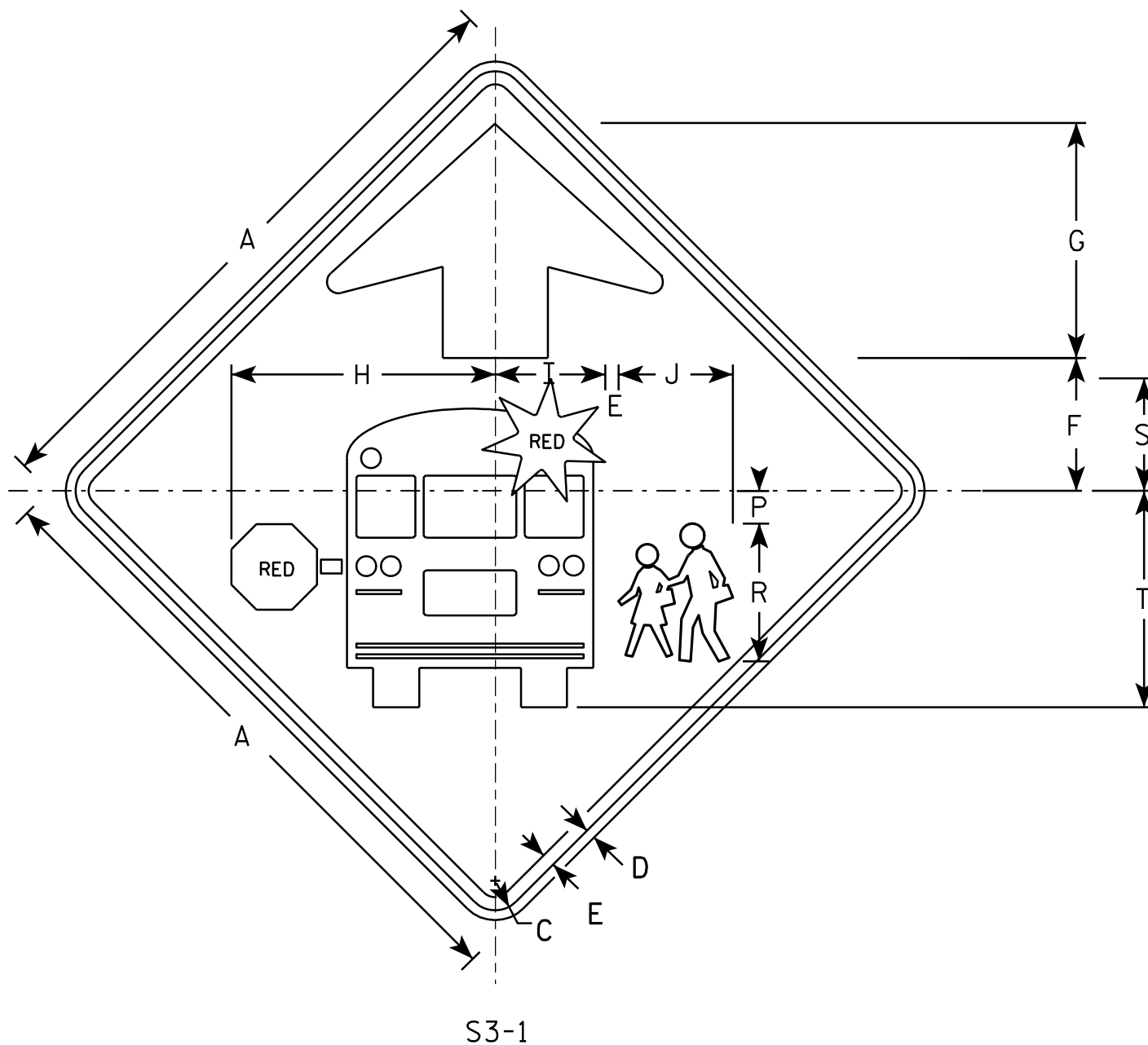
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

** See Note 5

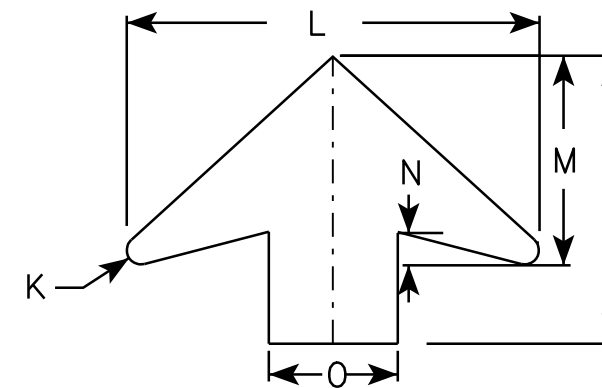
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11				12.5
3																											
4																											
5																											

STANDARD SIGN R11-3	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/11	PLATE NO. R11-3.6



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]

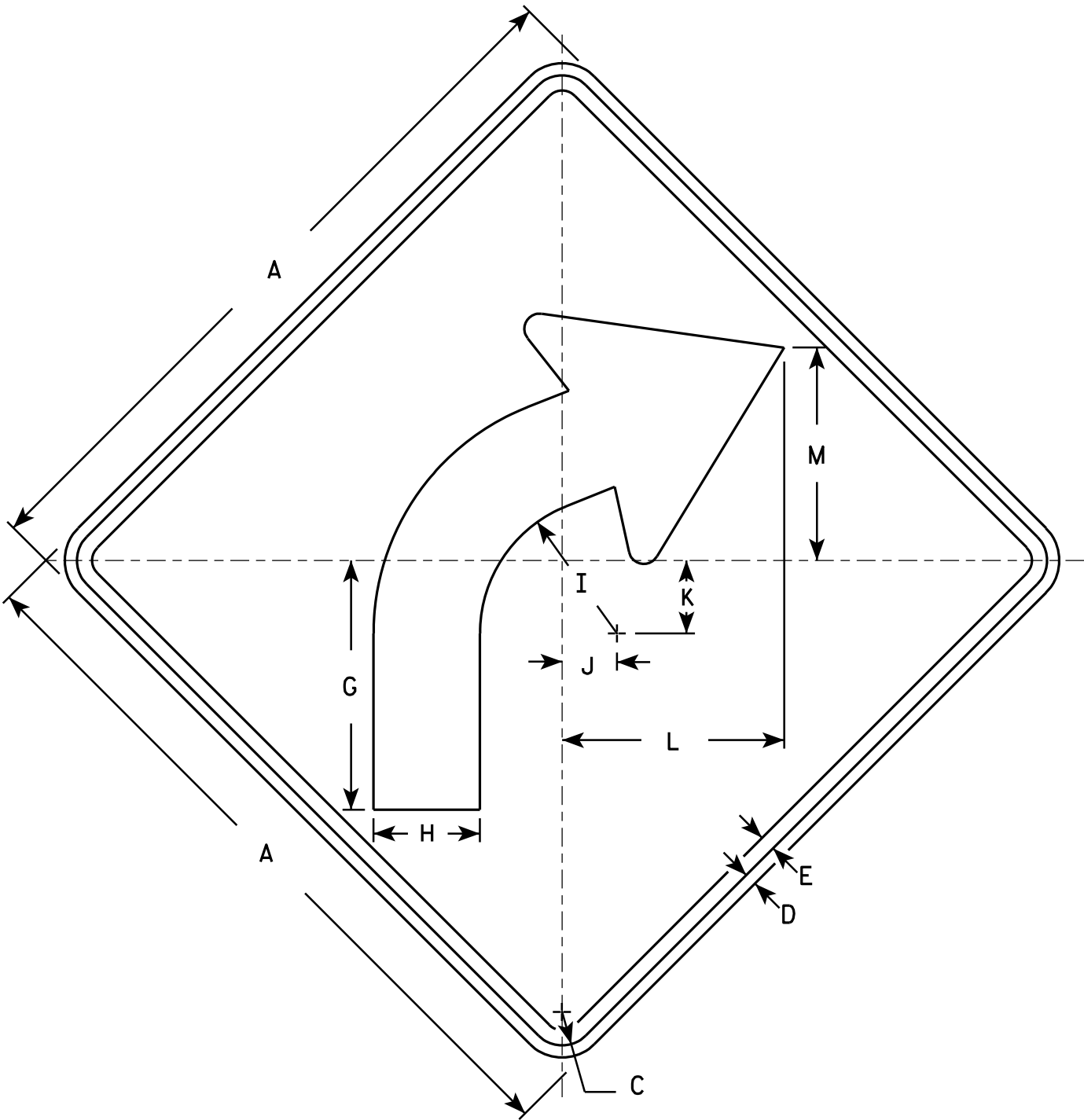
STANDARD SIGN	
S3-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<u>Matthew R. Rauch</u> for State Traffic Engineer
DATE <u>6/8/10</u>	PLATE NO. <u>S3-16</u>

NOTES

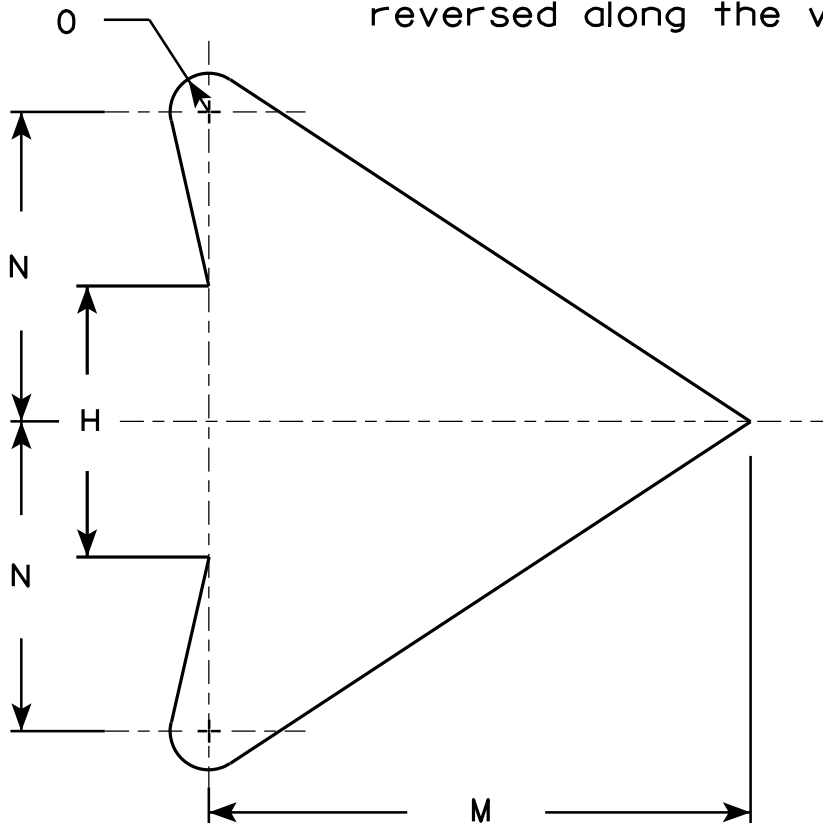
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:

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



W1-2R



ARROW DETAIL

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

STANDARD SIGN

W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch

for State Traffic Engineer

DATE 5/15/12

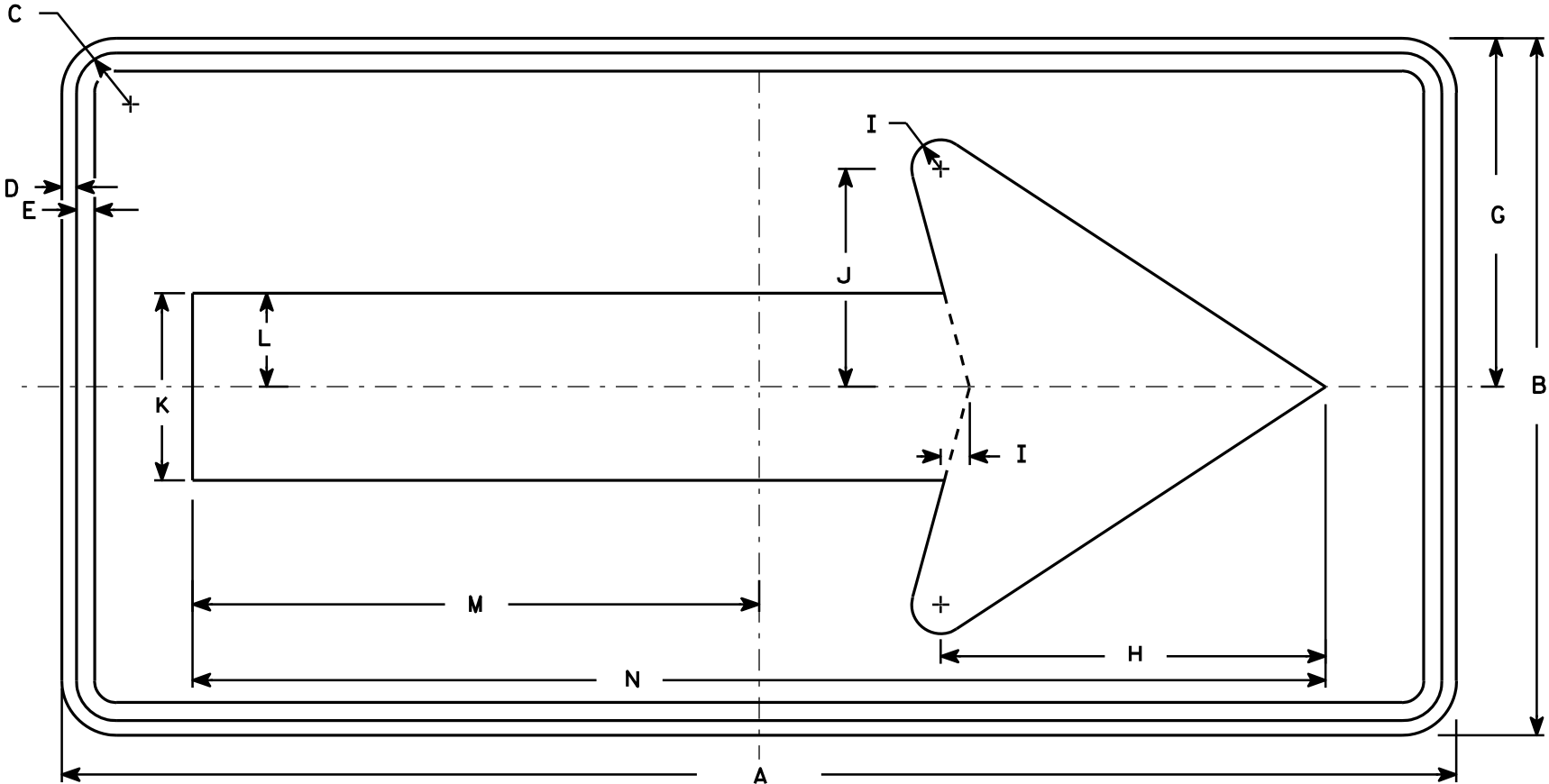
PLATE NO. W1-2.10

NOTES

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

Background - Yellow

Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



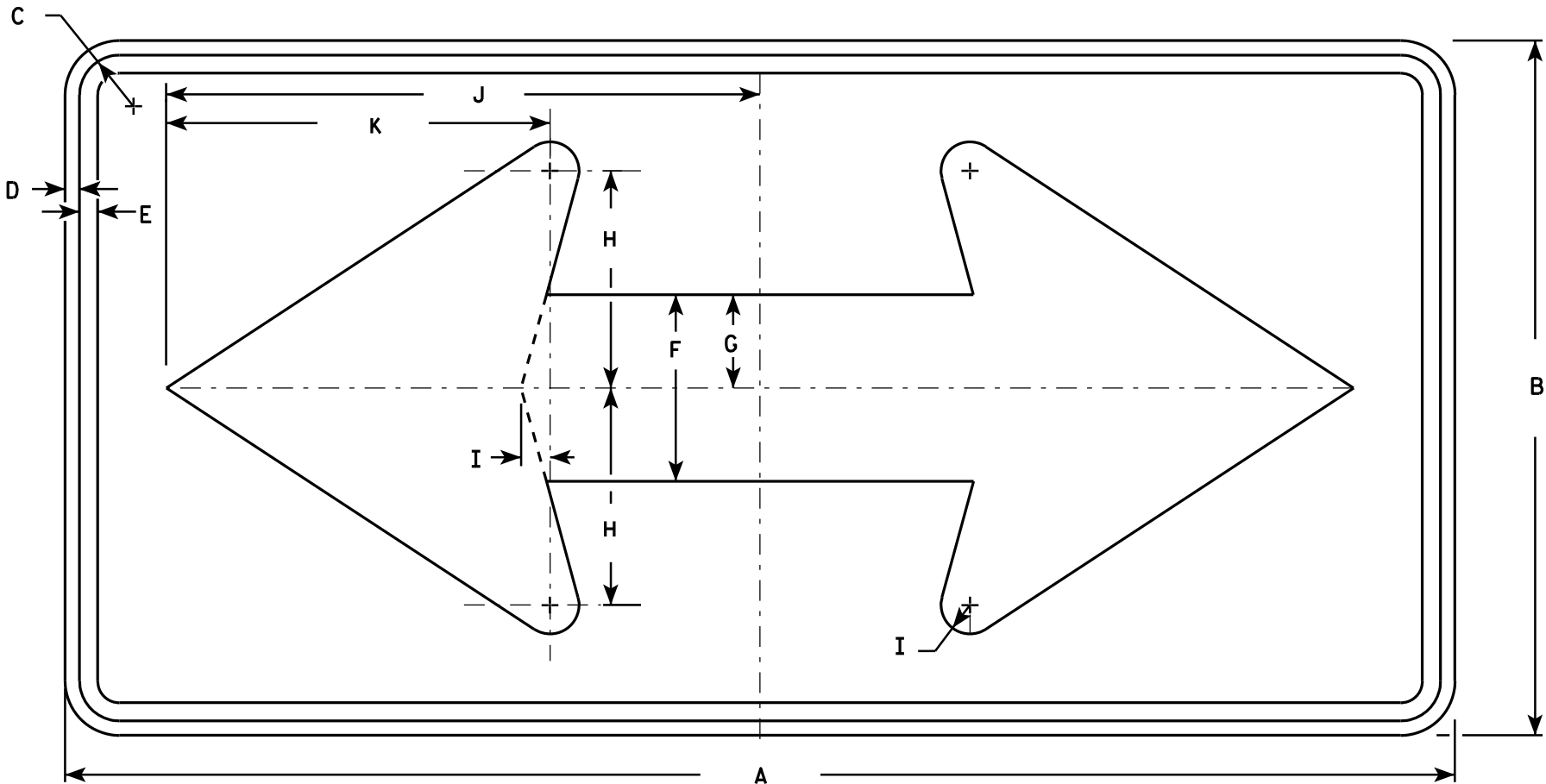
W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W1-6.8



W1-7

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

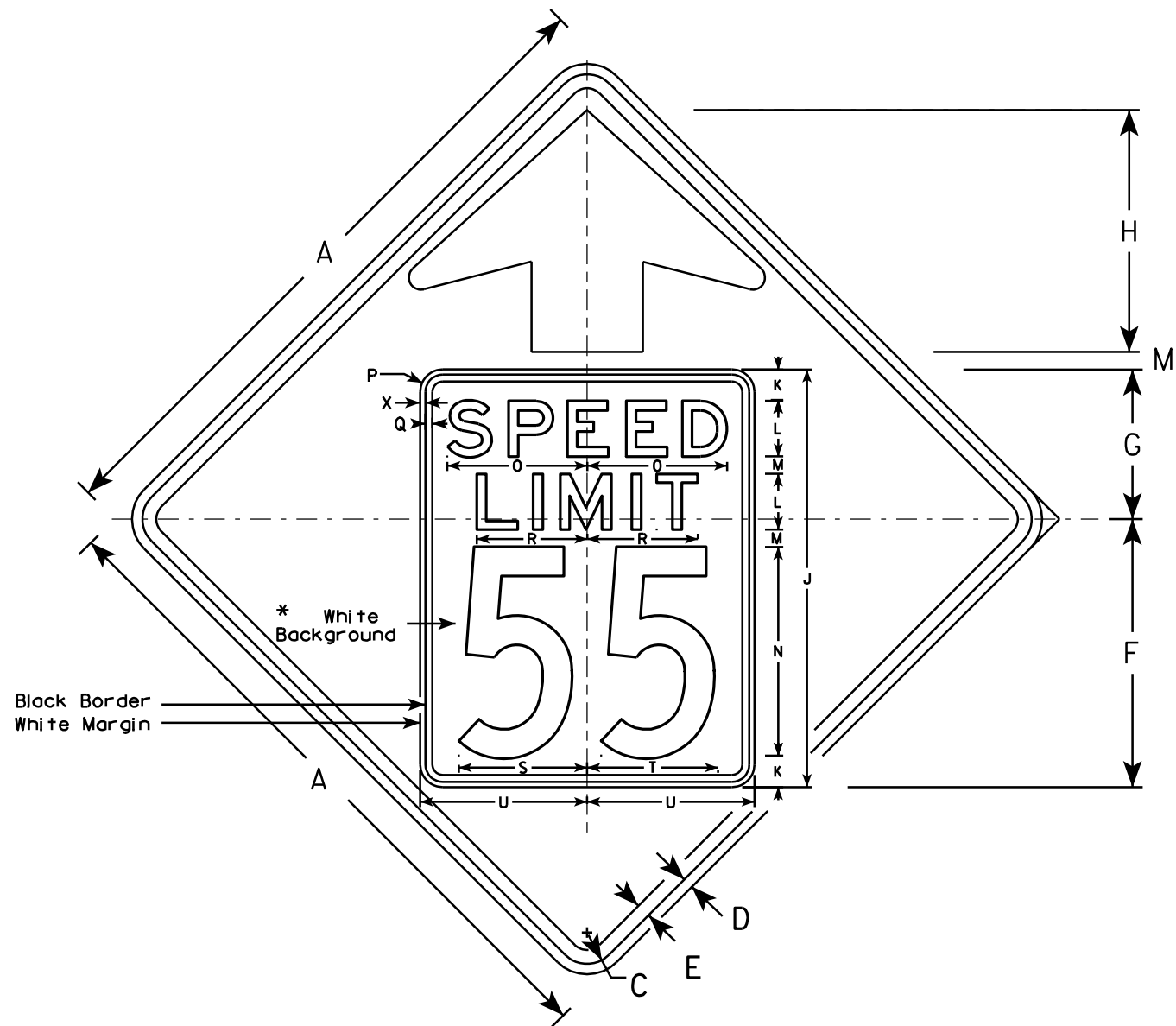
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

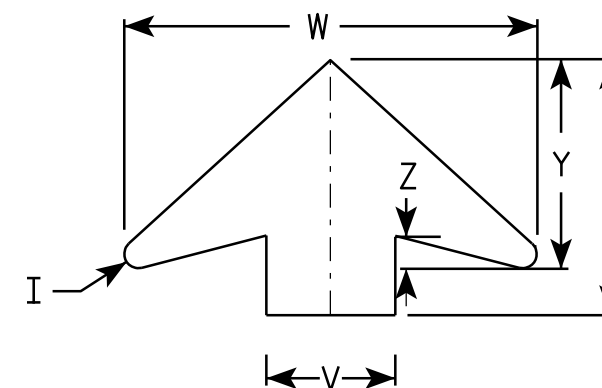


W3-5

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

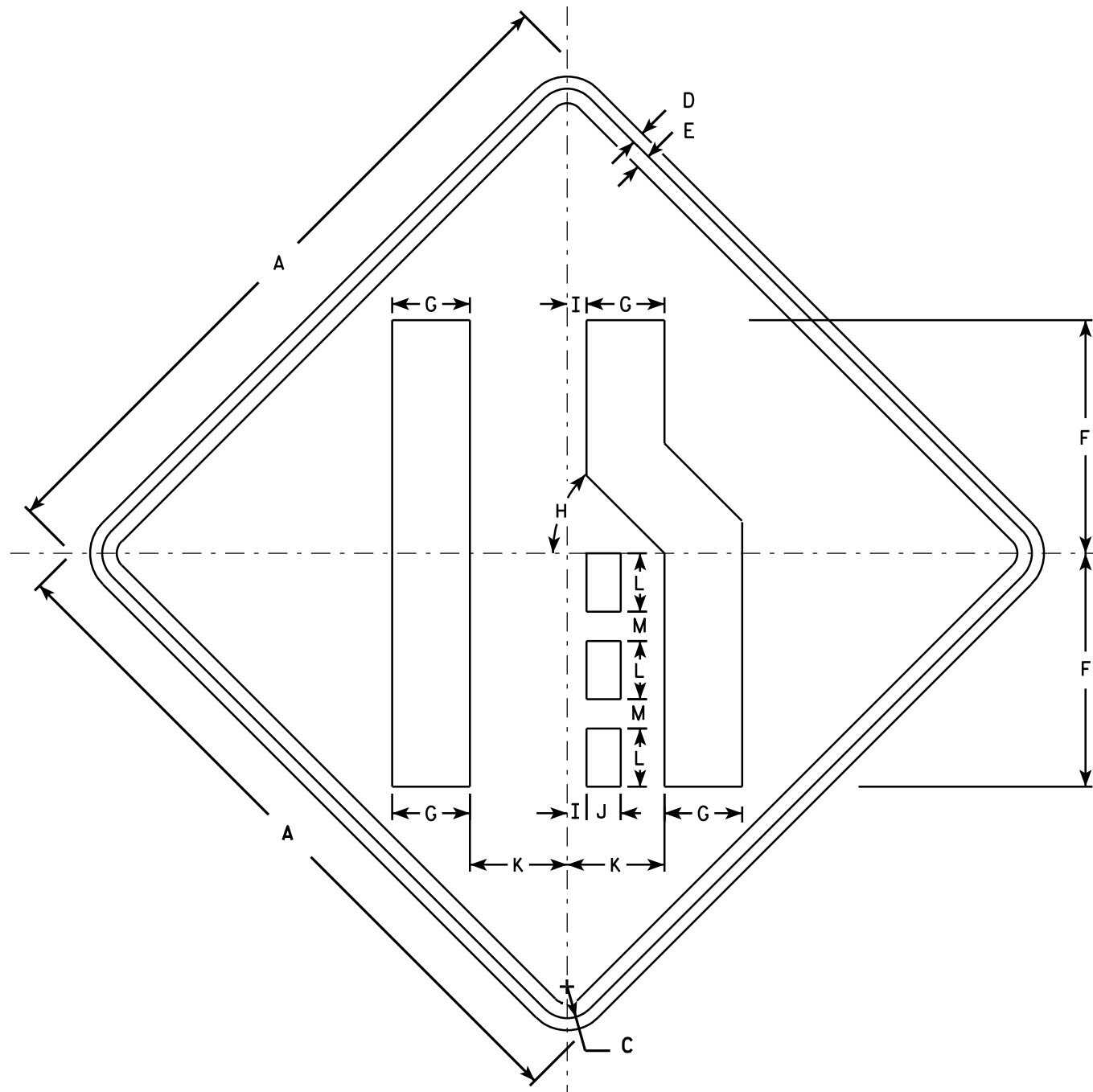
DATE 5/29/12

PLATE NO. W3-5.5

PROJECT NO:

SHEET NO:

E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbols is reversed along the vertical centerline.

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	10	3 3⁄8	45°	7⁄8	1 1⁄2	4 1⁄4	2 1⁄2	1 1⁄4														6.25
2S	36		1 5⁄8	5⁄8	3⁄4	12	4	45°	1	1 3⁄4	5	3	1 1⁄2														9.0
2M	36		1 5⁄8	5⁄8	3⁄4	12	4	45°	1	1 3⁄4	5	3	1 1⁄2														9.0
3	36		1 5⁄8	5⁄8	3⁄4	12	4	45°	1	1 3⁄4	5	3	1 1⁄2														9.0
4	48		2 1⁄4	3⁄4	1	16	5 3⁄8	45°	1 1⁄4	2 3⁄8	6 3⁄4	4	2														16.0
5	48		2 1⁄4	3⁄4	1	16	5 3⁄8	45°	1 1⁄4	2 3⁄8	6 3⁄4	4	2														16.0

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

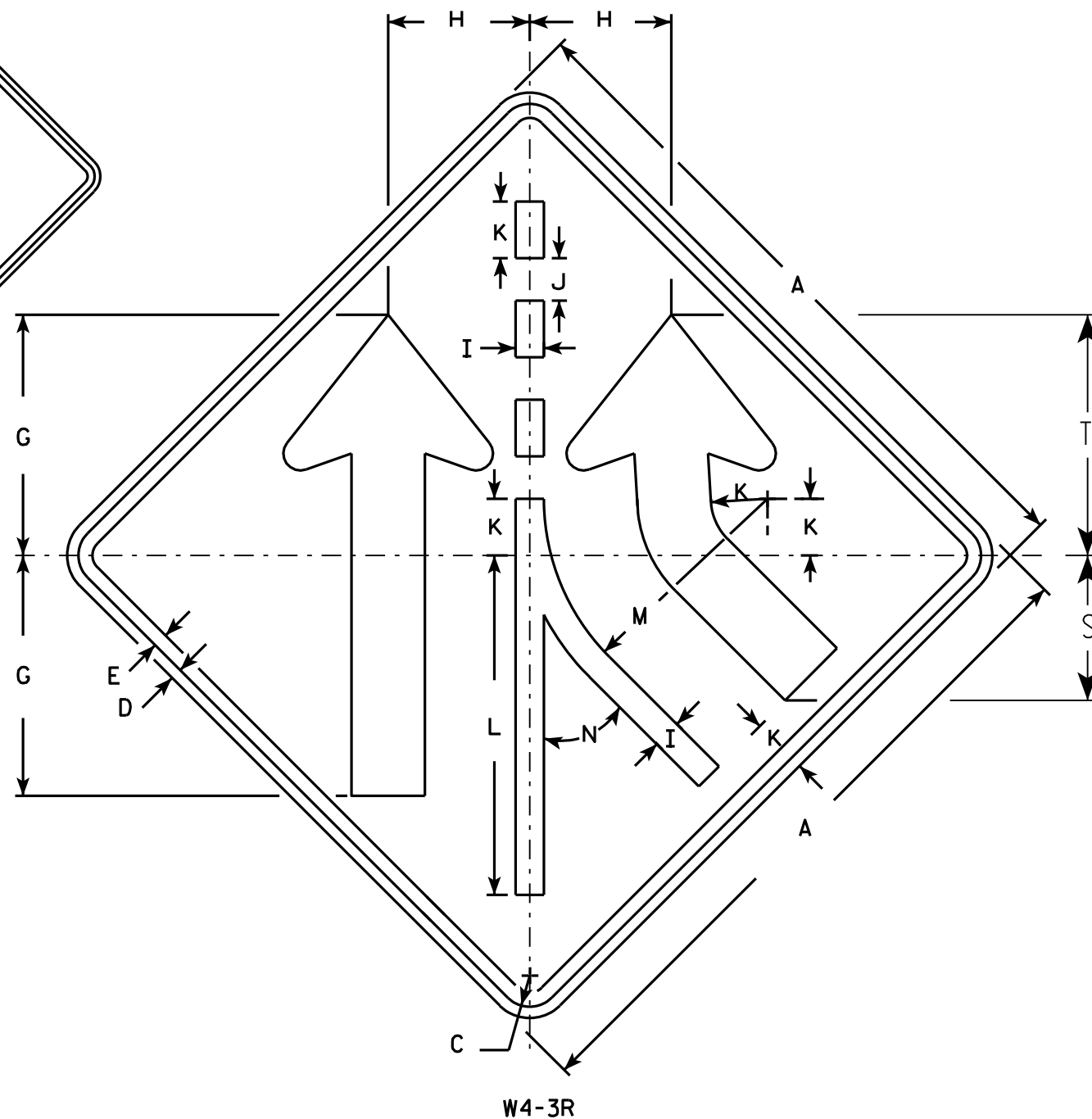
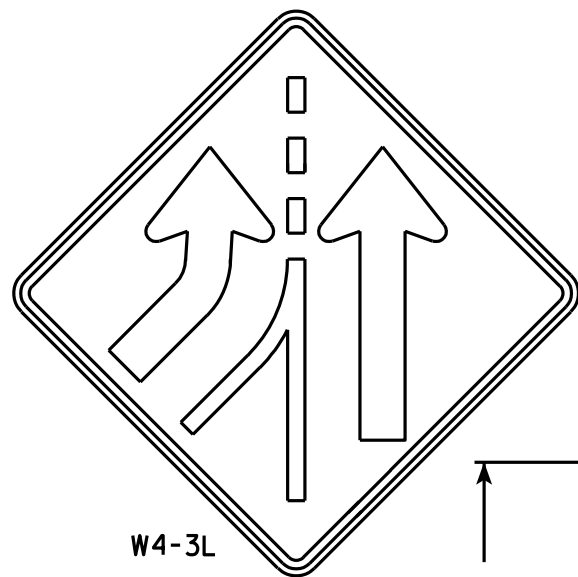
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

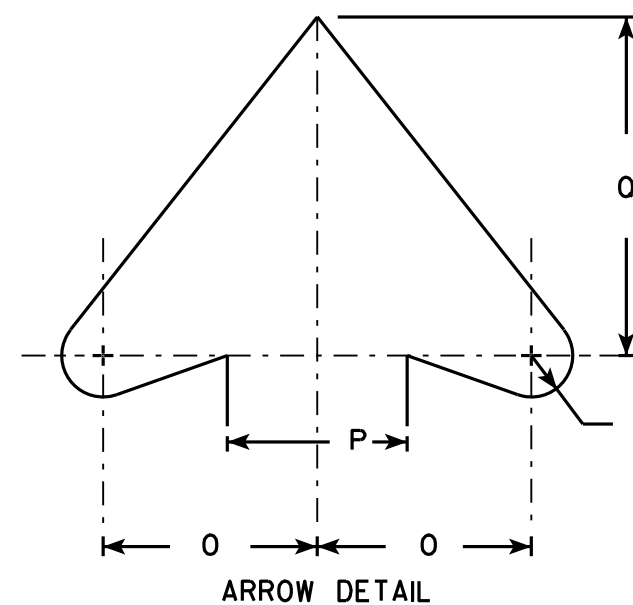
SHEET NO:

E



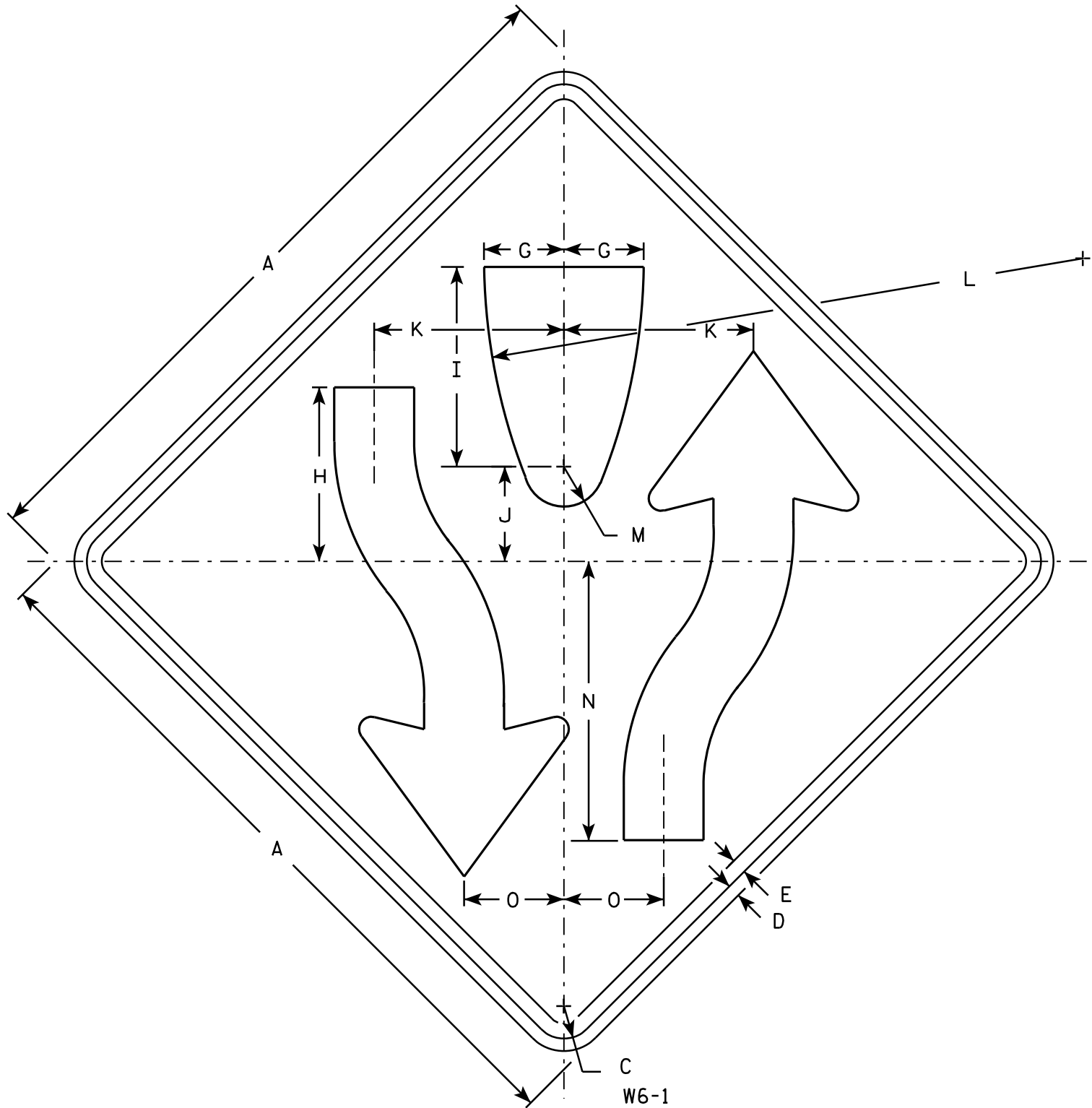
NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. 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. W4-3 L is the same as W4-3 R except the arrow is reversed along the vertical centerline.



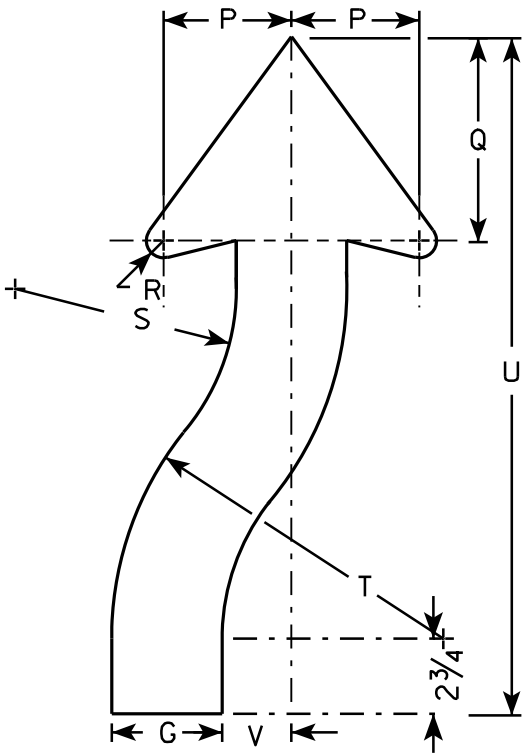
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3⁄8	1⁄2	5⁄8		10 5⁄8	6 1⁄4	1 1⁄4	1 7⁄8	2 1⁄2	15	9 7⁄8	45°	3 7⁄8	3 1⁄4	6 1⁄8	3⁄4	6 3⁄8	10 5⁄8							6.25
2S	36		1 5⁄8	5⁄8	3⁄4		12 3⁄4	7 1⁄2	1 1⁄2	2 1⁄4	3	18	11 7⁄8	45°	4 5⁄8	4	7 3⁄8	7⁄8	7 3⁄4	12 3⁄4							9.0
2M	36		1 5⁄8	5⁄8	3⁄4		12 3⁄4	7 1⁄2	1 1⁄2	2 1⁄4	3	18	11 7⁄8	45°	4 5⁄8	4	7 3⁄8	7⁄8	7 3⁄4	12 3⁄4							9.0
3																											
4	48		2 1⁄4	3⁄4	1		17	10	2	3	4	24	15 3⁄4	45°	6 1⁄4	5 1⁄2	9 7⁄8	1 1⁄4	10 1⁄4	17							16.0
5	48		2 1⁄4	3⁄4	1		17	10	2	3	4	24	15 3⁄4	45°	6 1⁄4	5 1⁄2	9 7⁄8	1 1⁄4	10 1⁄4	17							16.0

STANDARD SIGN W4-3	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 03/12/13	PLATE NO. W4-3.8



NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

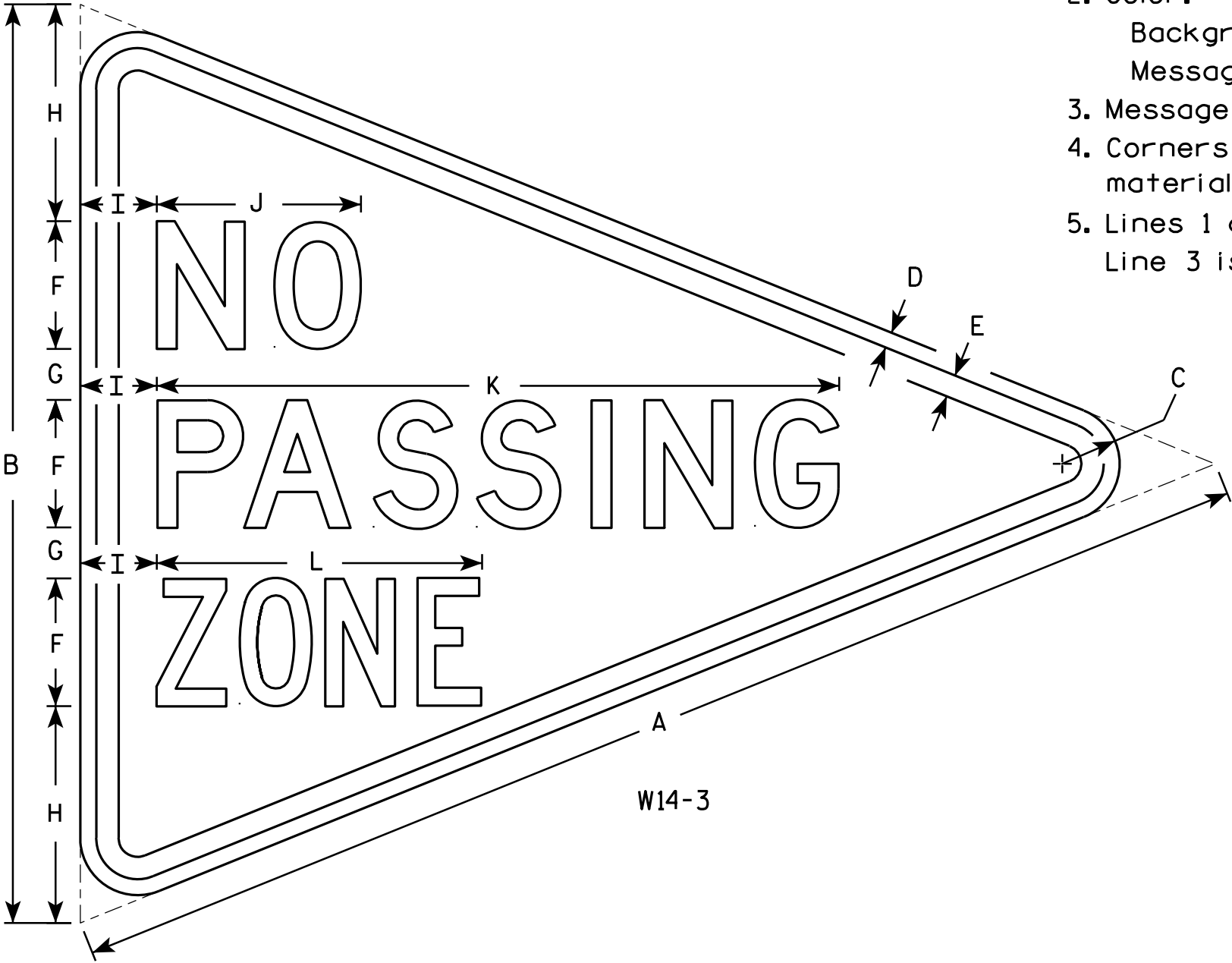
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3⁄8	1⁄2	5⁄8		3 1⁄4	8	8 1⁄4	4 1⁄8	7 7⁄8	25	1 3⁄4	11 5⁄8	4 1⁄8	3 7⁄8	6 3⁄4	5⁄8	6 5⁄8	9 7⁄8	21 5⁄8	2					6.25
2S	36		1 5⁄8	5⁄8	3⁄4		4	8 3⁄4	10	4 3⁄4	9 1⁄2	30	2	14	5	4 5⁄8	7 3⁄8	7⁄8	8	12	24 1⁄2	2 1⁄2					9.0
2M	36		1 5⁄8	5⁄8	3⁄4		4	8 3⁄4	10	4 3⁄4	9 1⁄2	30	2	14	5	4 5⁄8	7 3⁄8	7⁄8	8	12	24 1⁄2	2 1⁄2					9.0
3																											
4	48		2 1⁄4	3⁄4	1		5 3⁄8	11 5⁄8	13 3⁄8	6 3⁄8	12 5⁄8	40	2 5⁄8	18 5⁄8	6 5⁄8	6 1⁄4	9 7⁄8	1 1⁄4	10 5⁄8	16	32 5⁄8	3 3⁄8					16.0
5	48		2 1⁄4	3⁄4	1		5 3⁄8	11 5⁄8	13 3⁄8	6 3⁄8	12 5⁄8	40	2 5⁄8	18 5⁄8	6 5⁄8	6 1⁄4	9 7⁄8	1 1⁄4	10 5⁄8	16	32 5⁄8	3 3⁄8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 03/12/13 PLATE NO. W6-1.14

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - See note 5
- 4. Corners and borders shall be rounded on all base materials for this sign.
- 5. Lines 1 and 2 are Series D.
Line 3 is series C.



W14-3

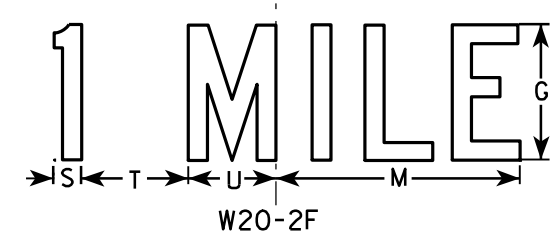
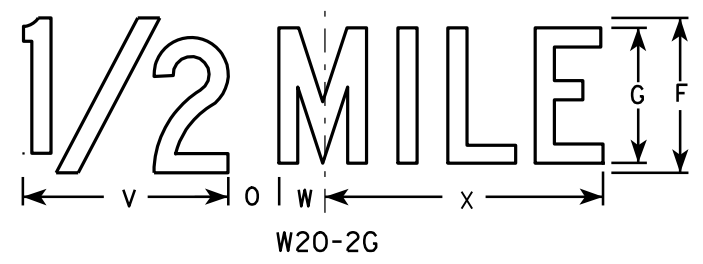
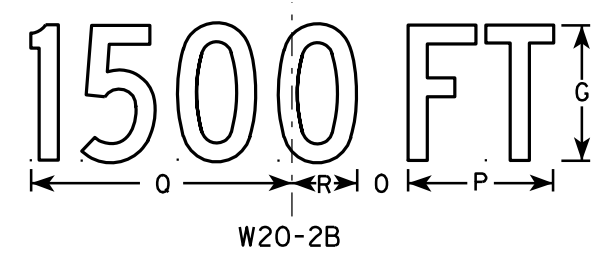
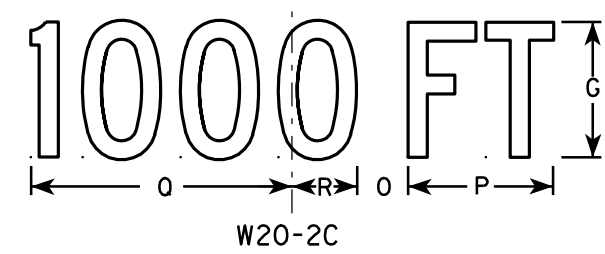
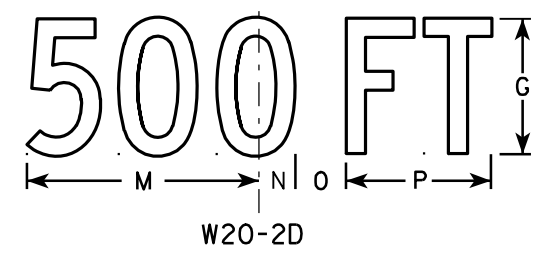
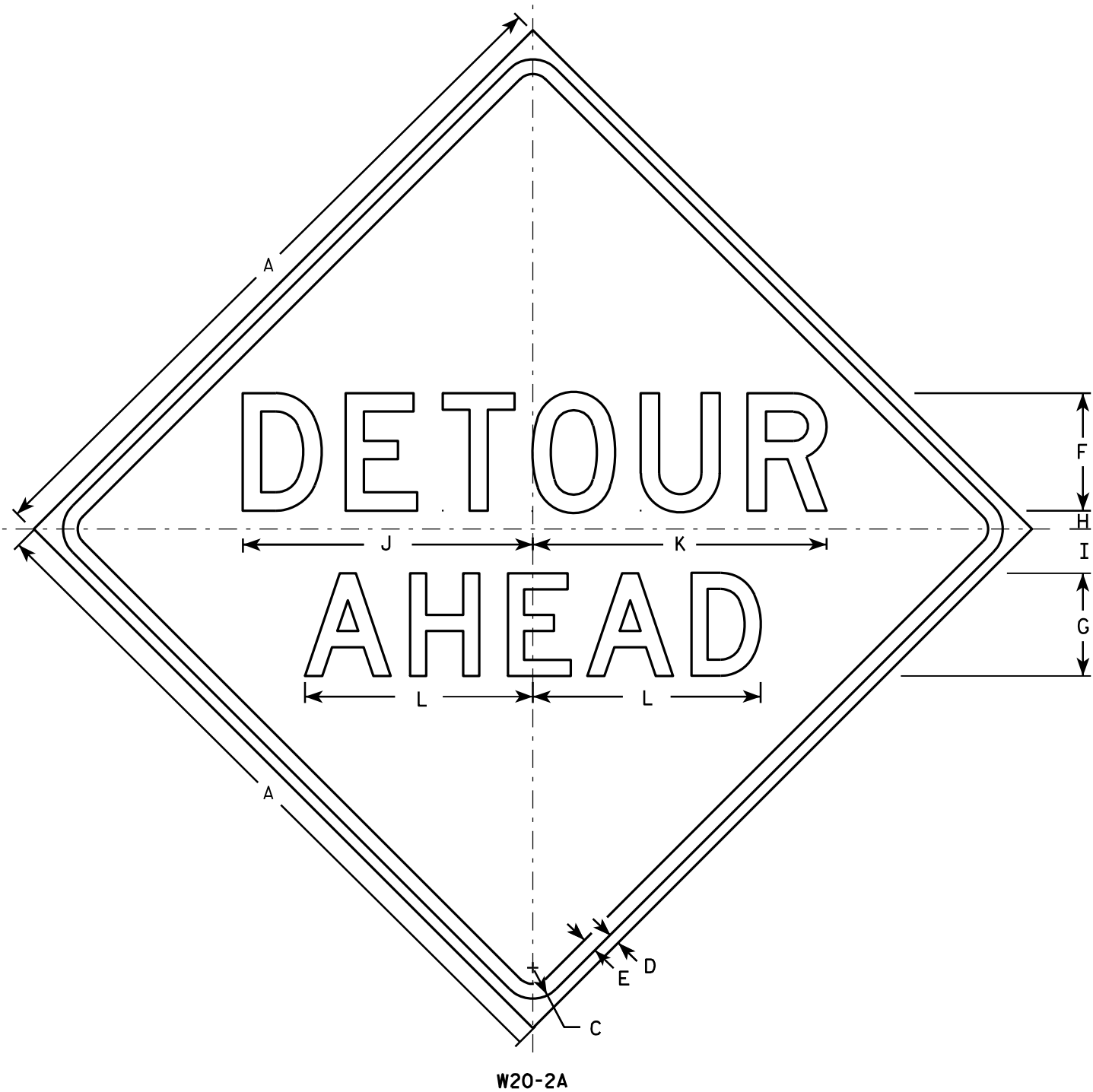
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
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. Line 1 is Series D.
Line 2 is Series D for AHEAD and Series C for all other distances.

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		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

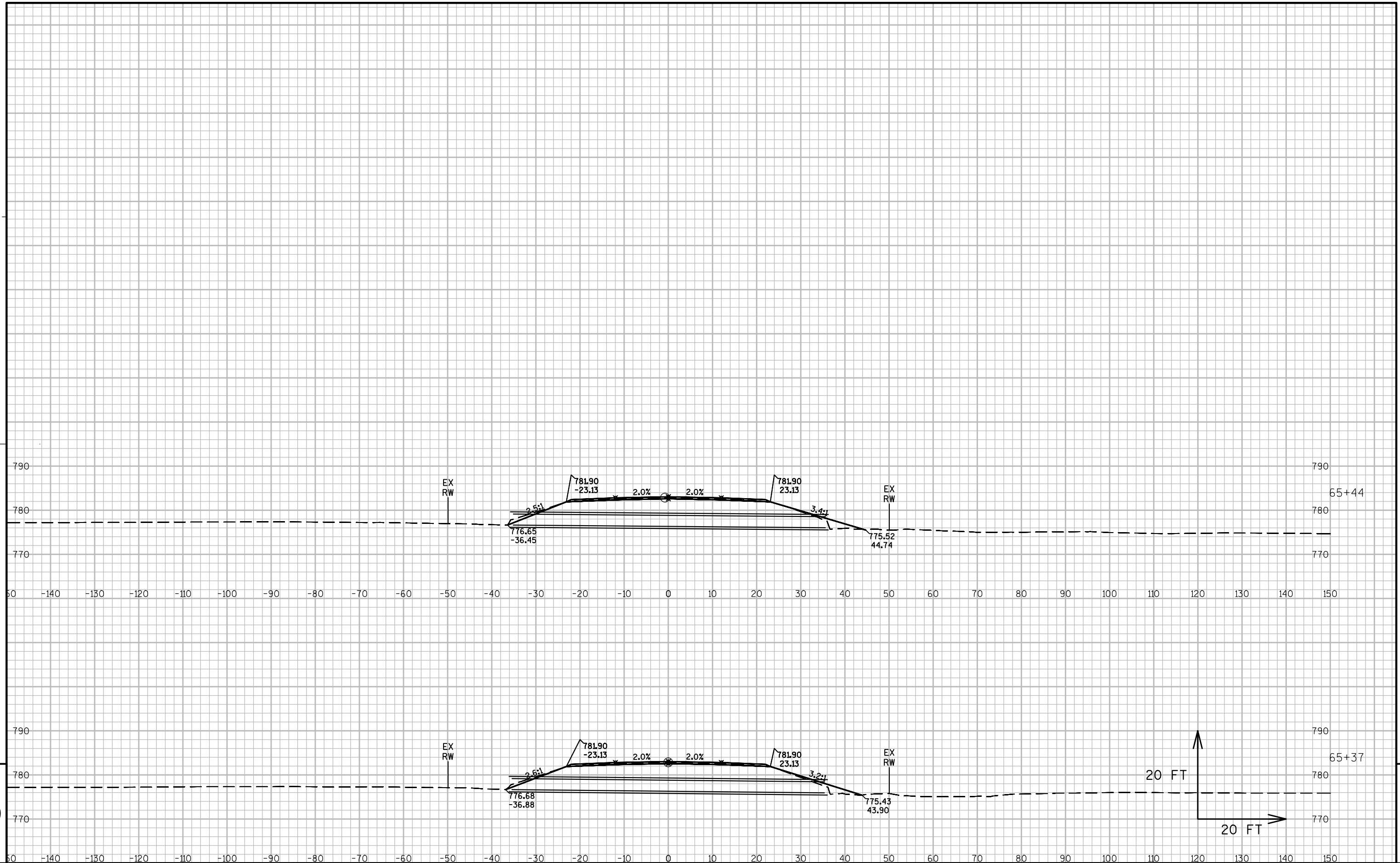
PROJECT NO:

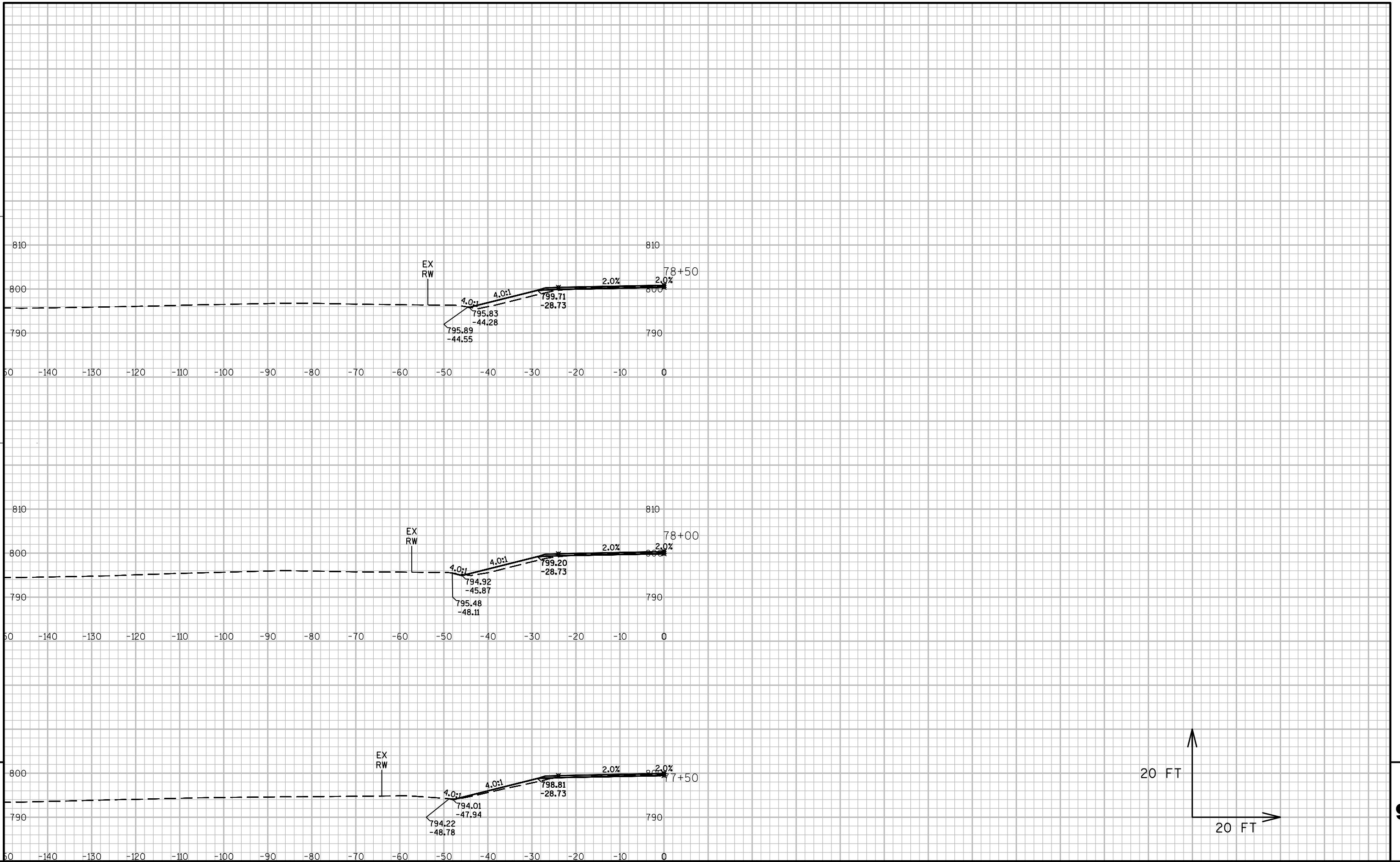
HWY:

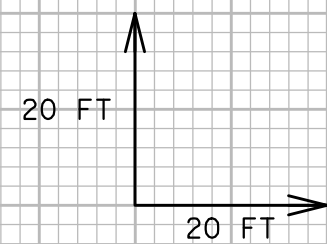
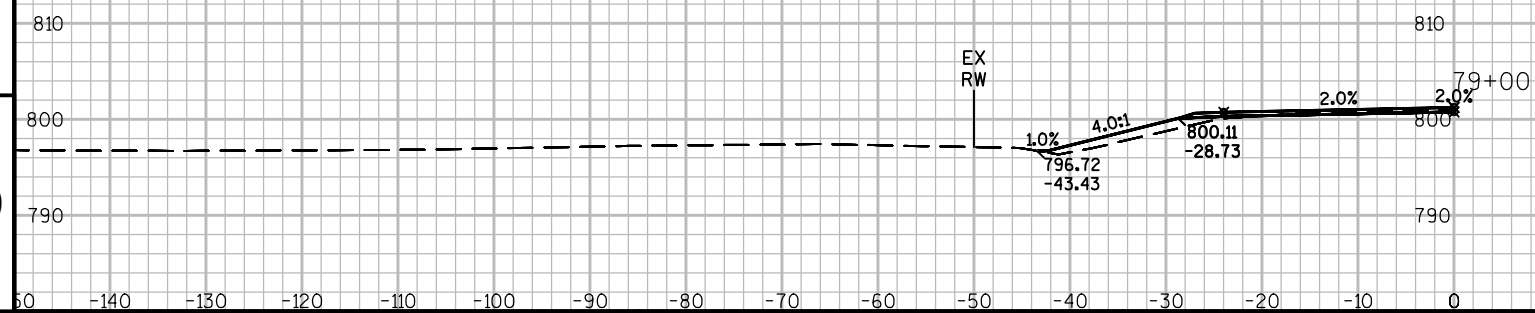
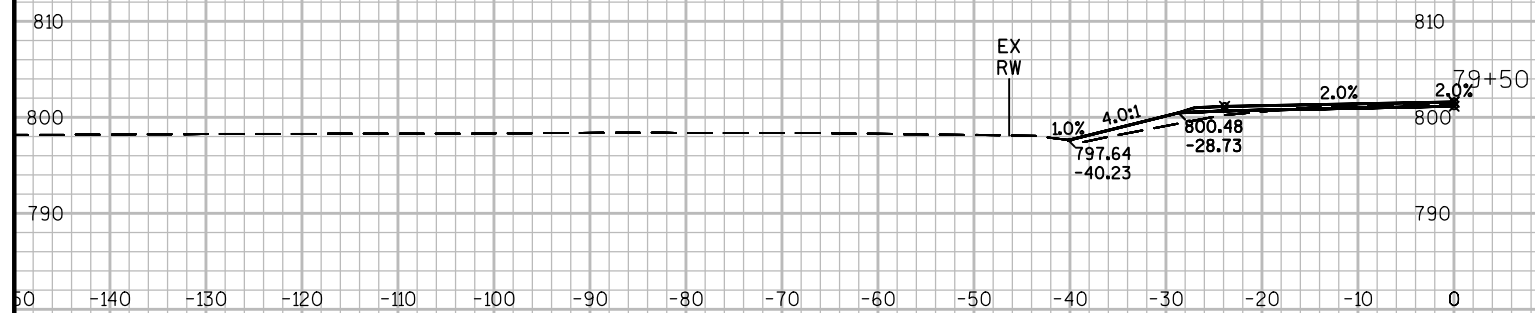
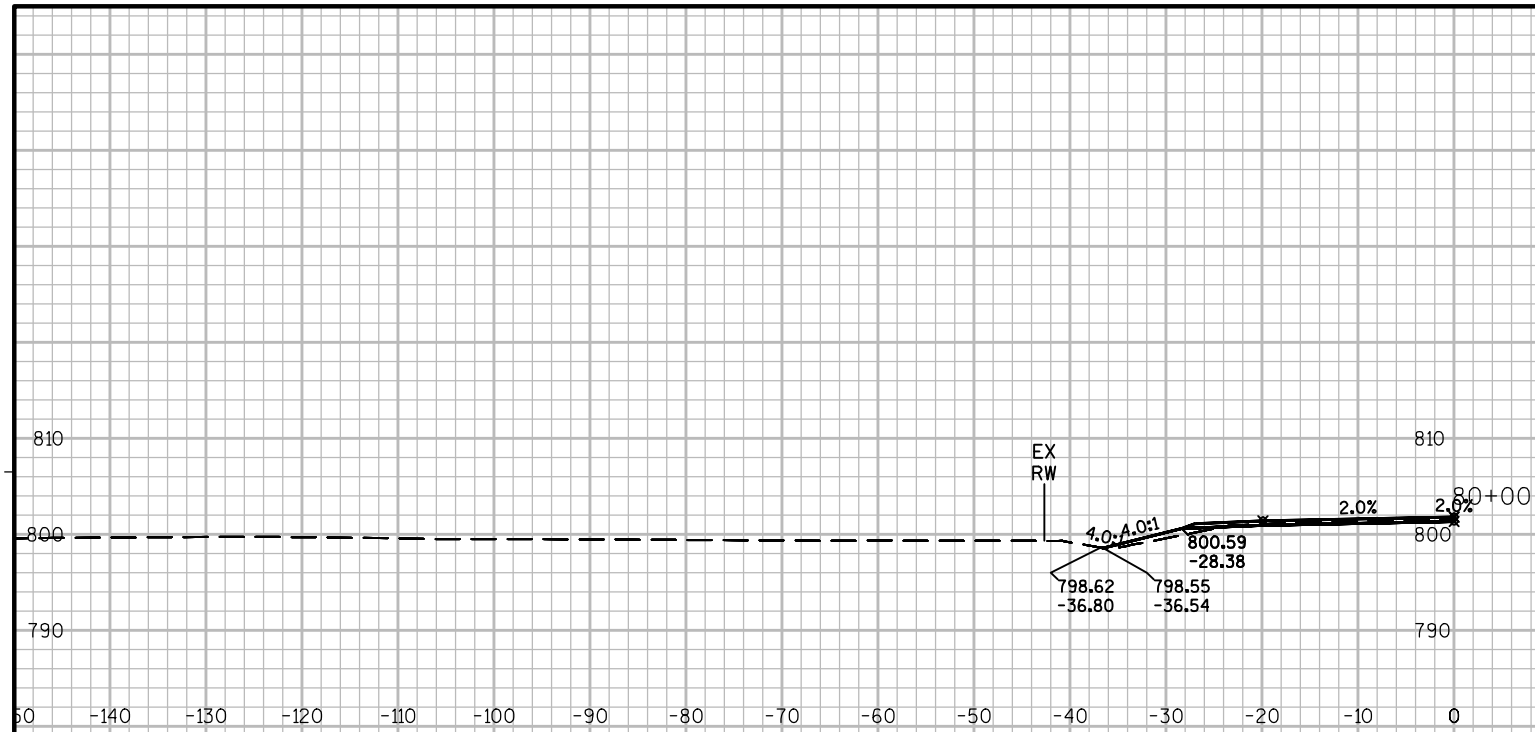
COUNTY:

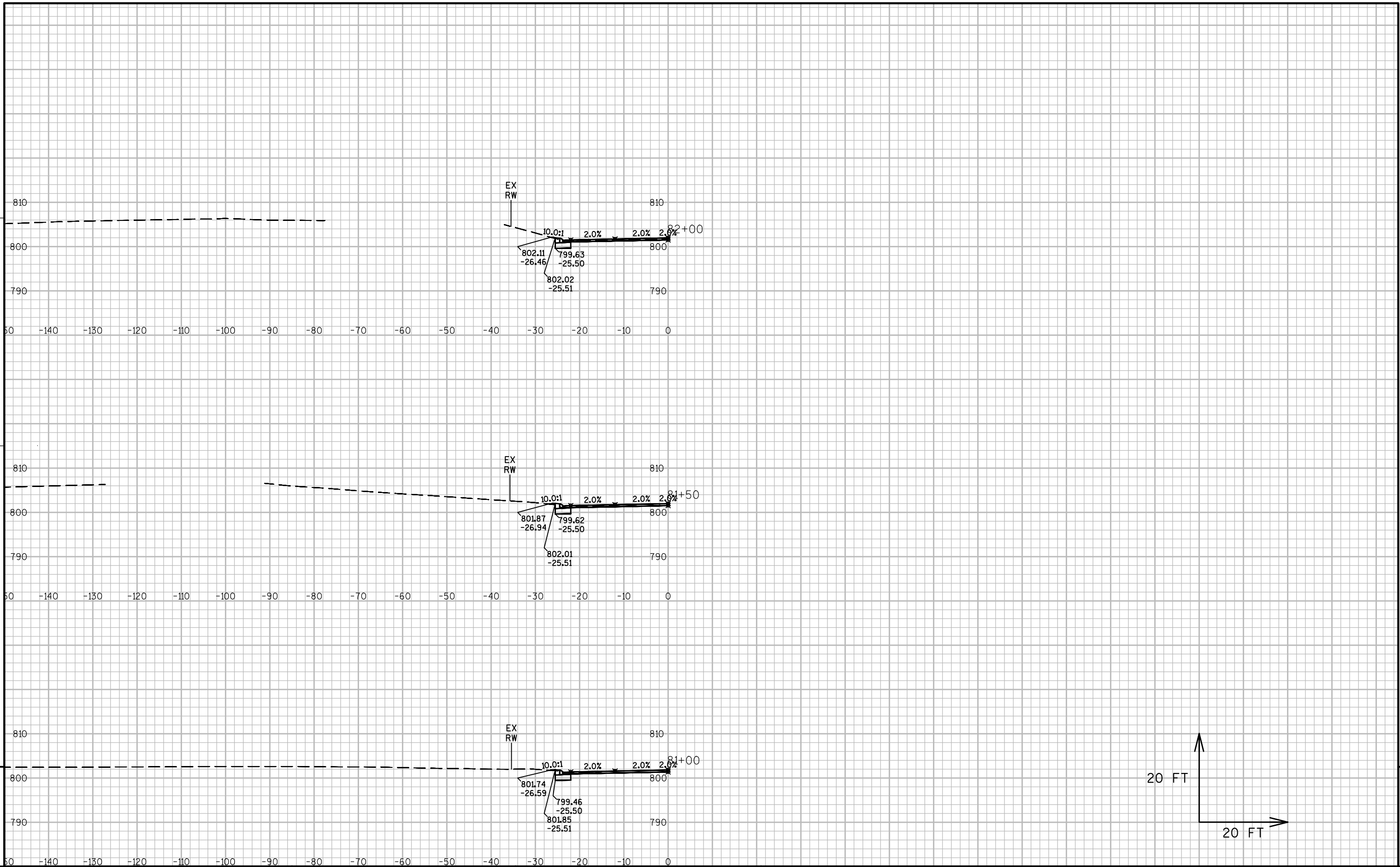
SHEET NO:

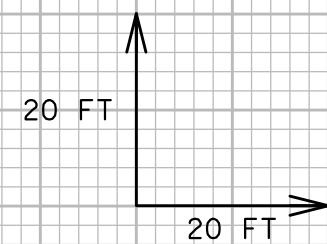
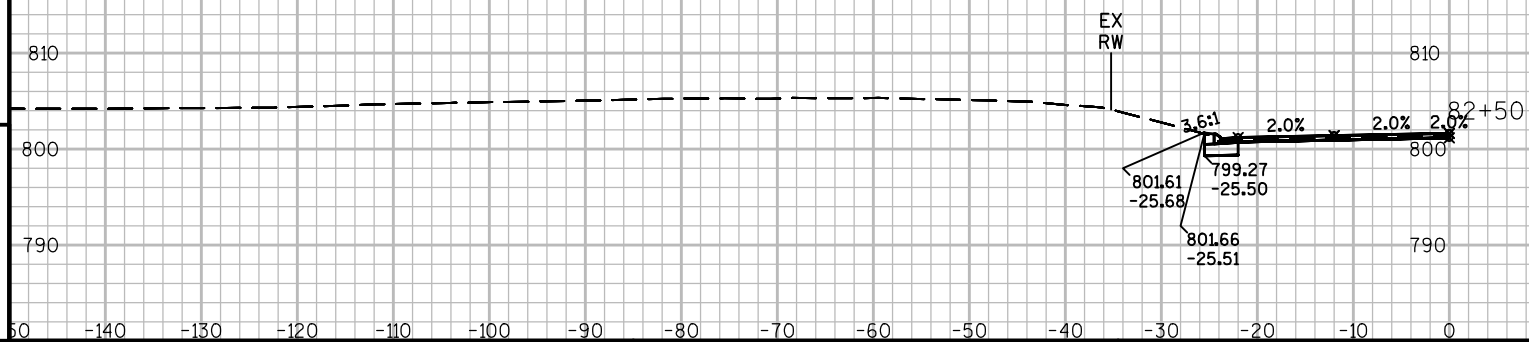
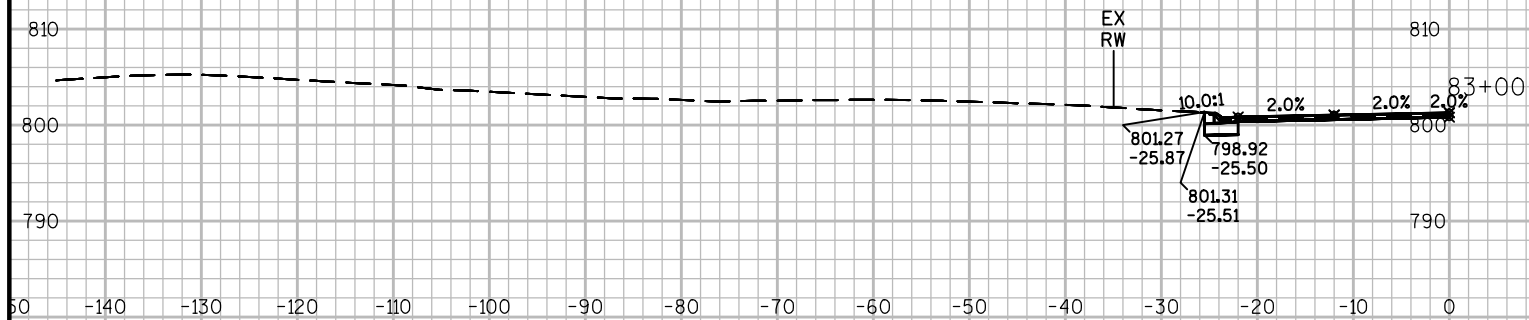
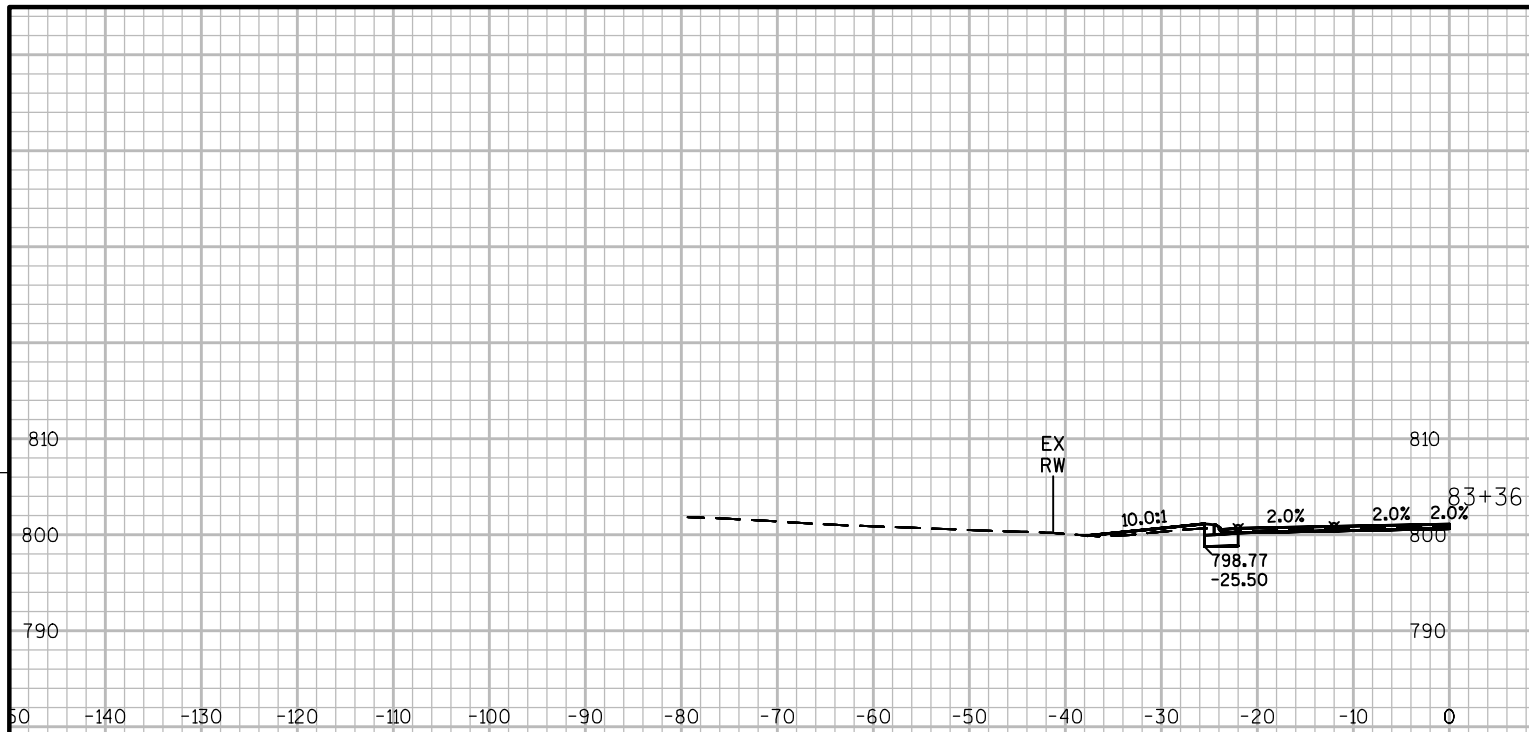
E

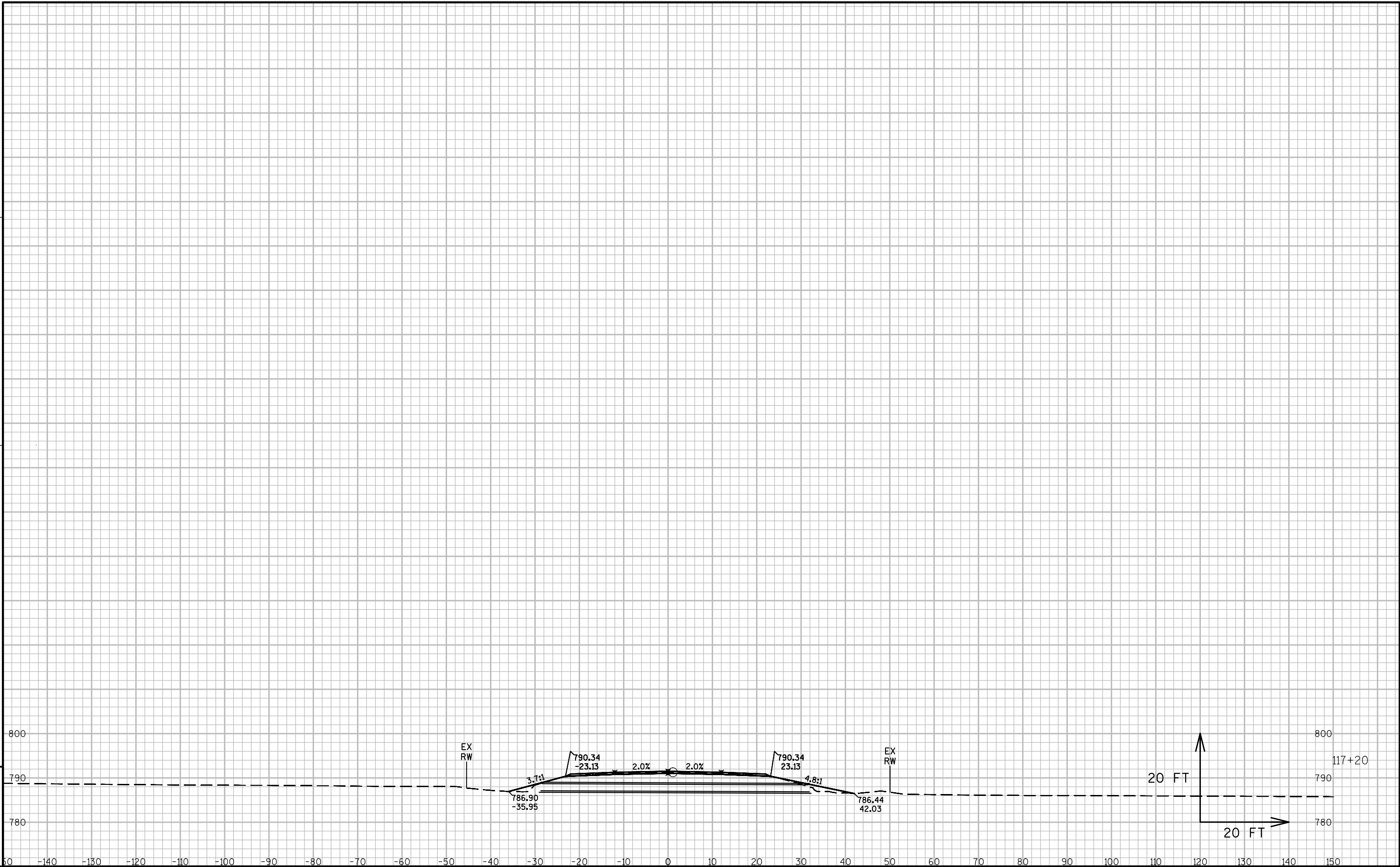




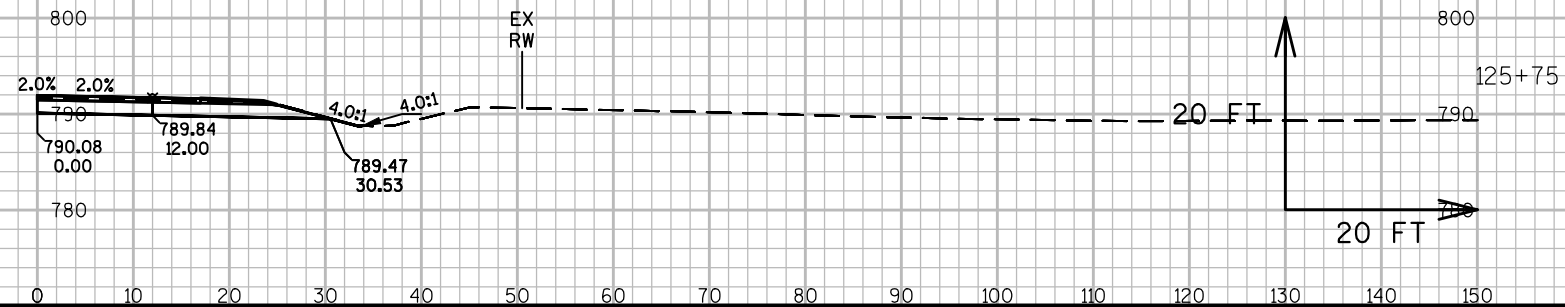
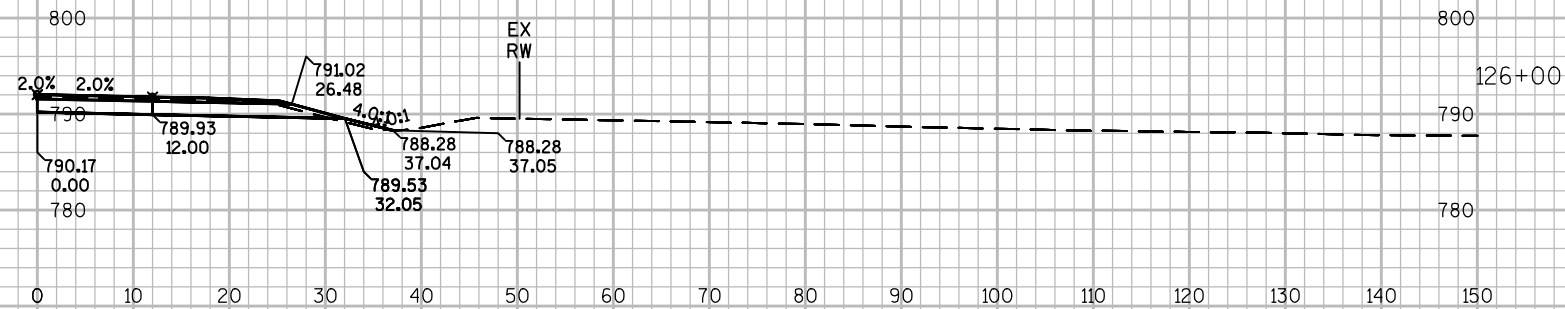
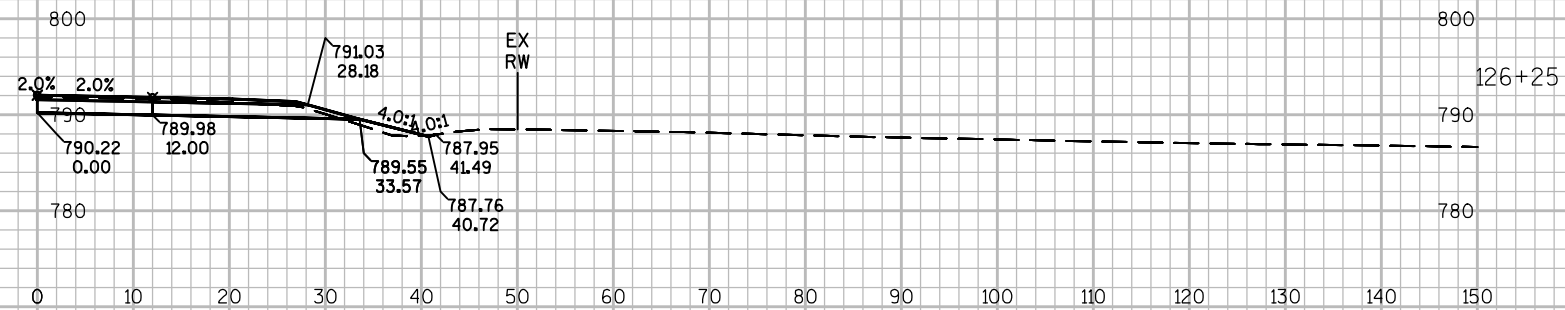








9



9

PROJECT NO: 9210-13-71

HWY: STH 54

COUNTY: BROWN

CROSS SECTIONS: STH 54

SHEET

E

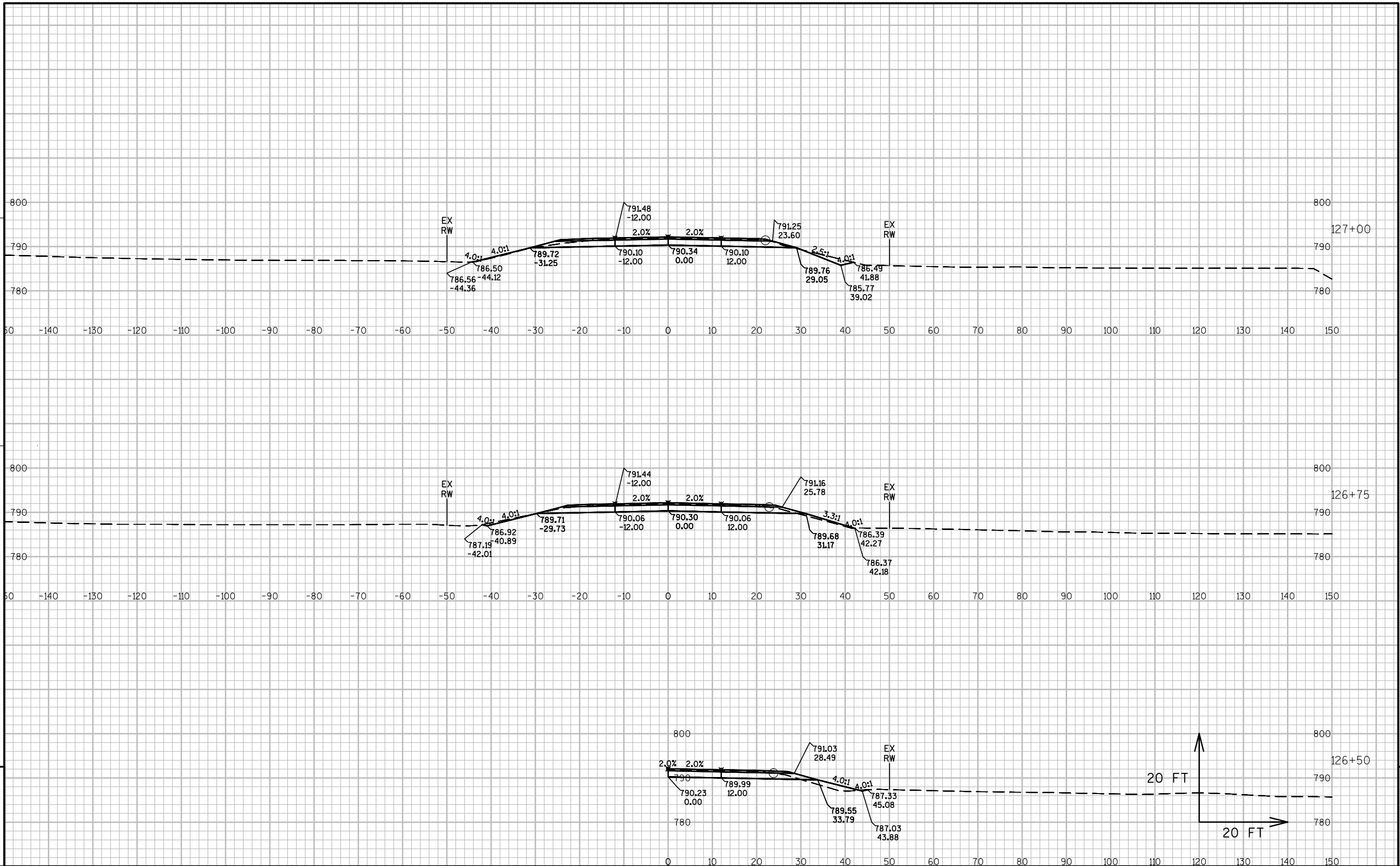
FILE NAME : N:\PDS\C3D\92101300\SHEETSP\AN\090201_XS.DWG
LAYOUT NAME - 8

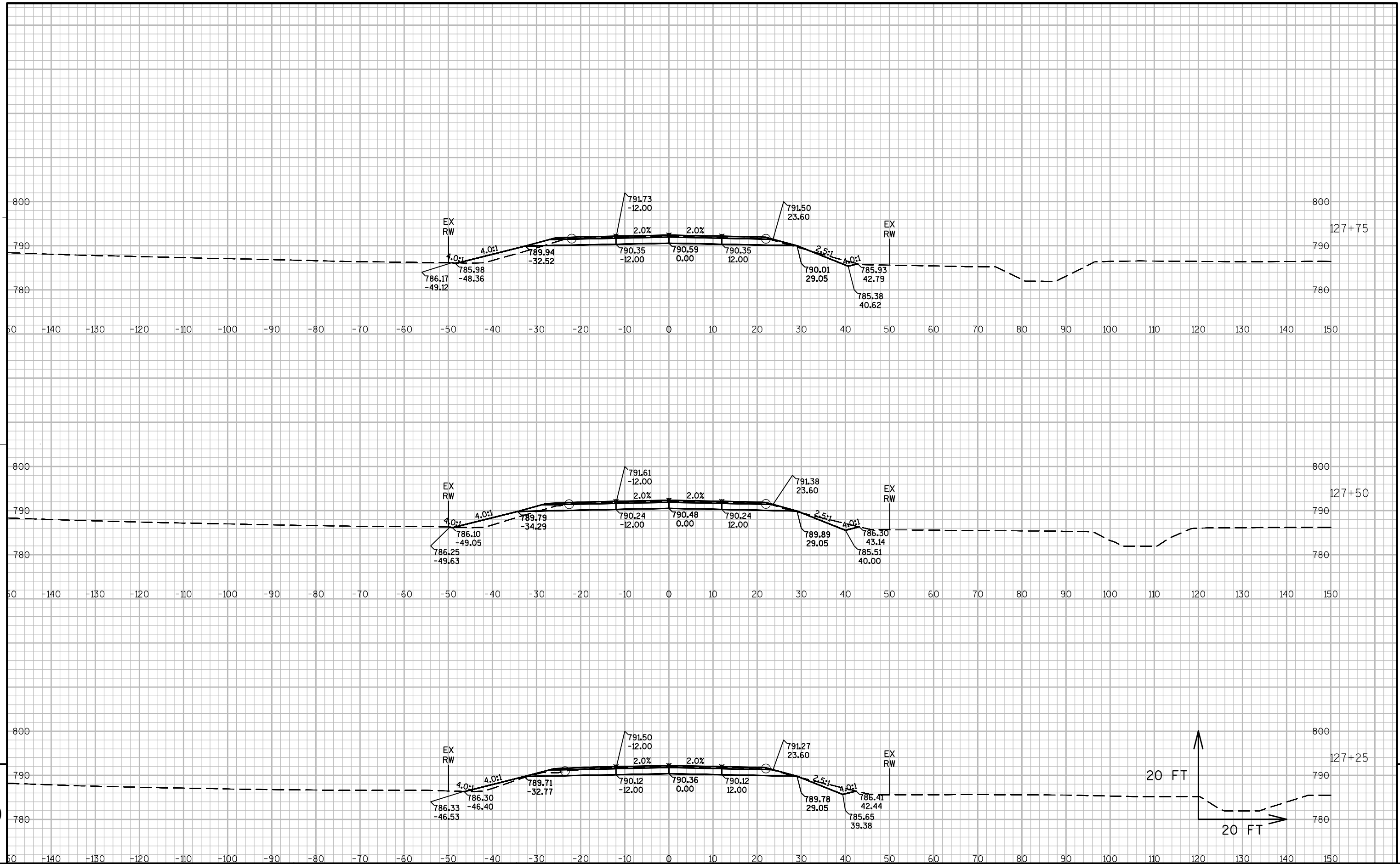
PLOT DATE : 2/2/2016 9:39 AM

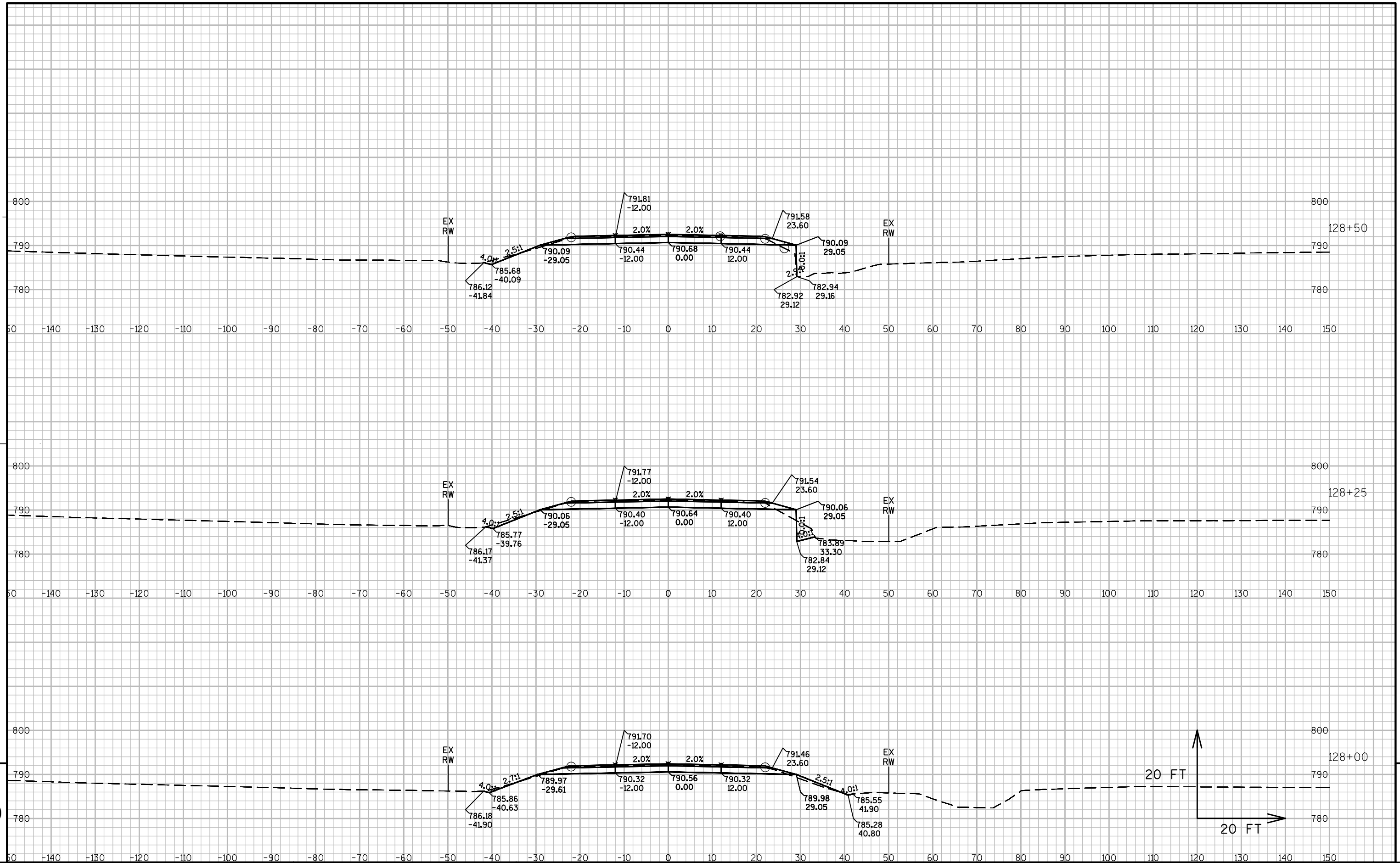
PLOT BY : LORENZ, KELSEY ANN PLOT NAME :

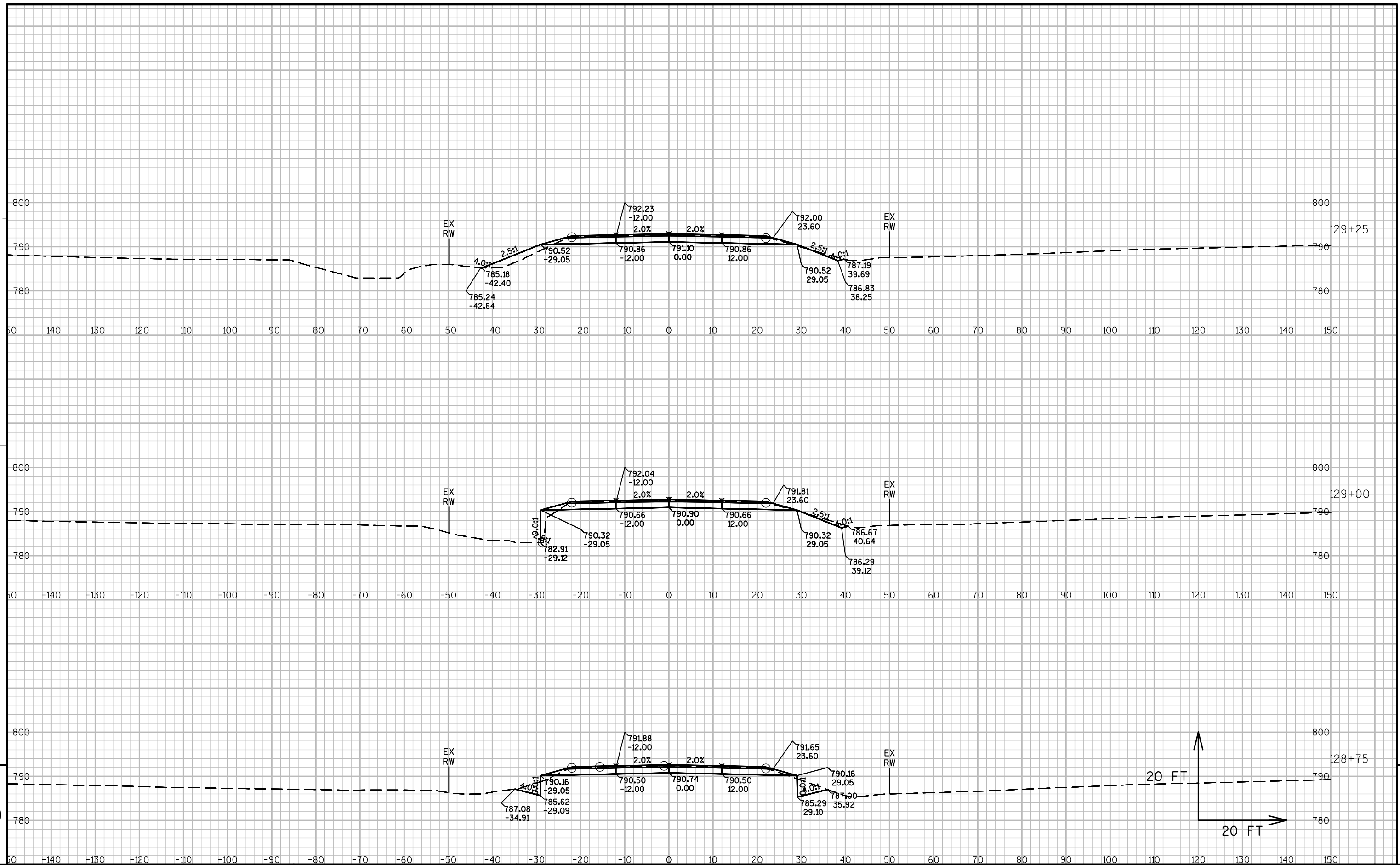
PLOT SCALE : 1 IN:20 FT

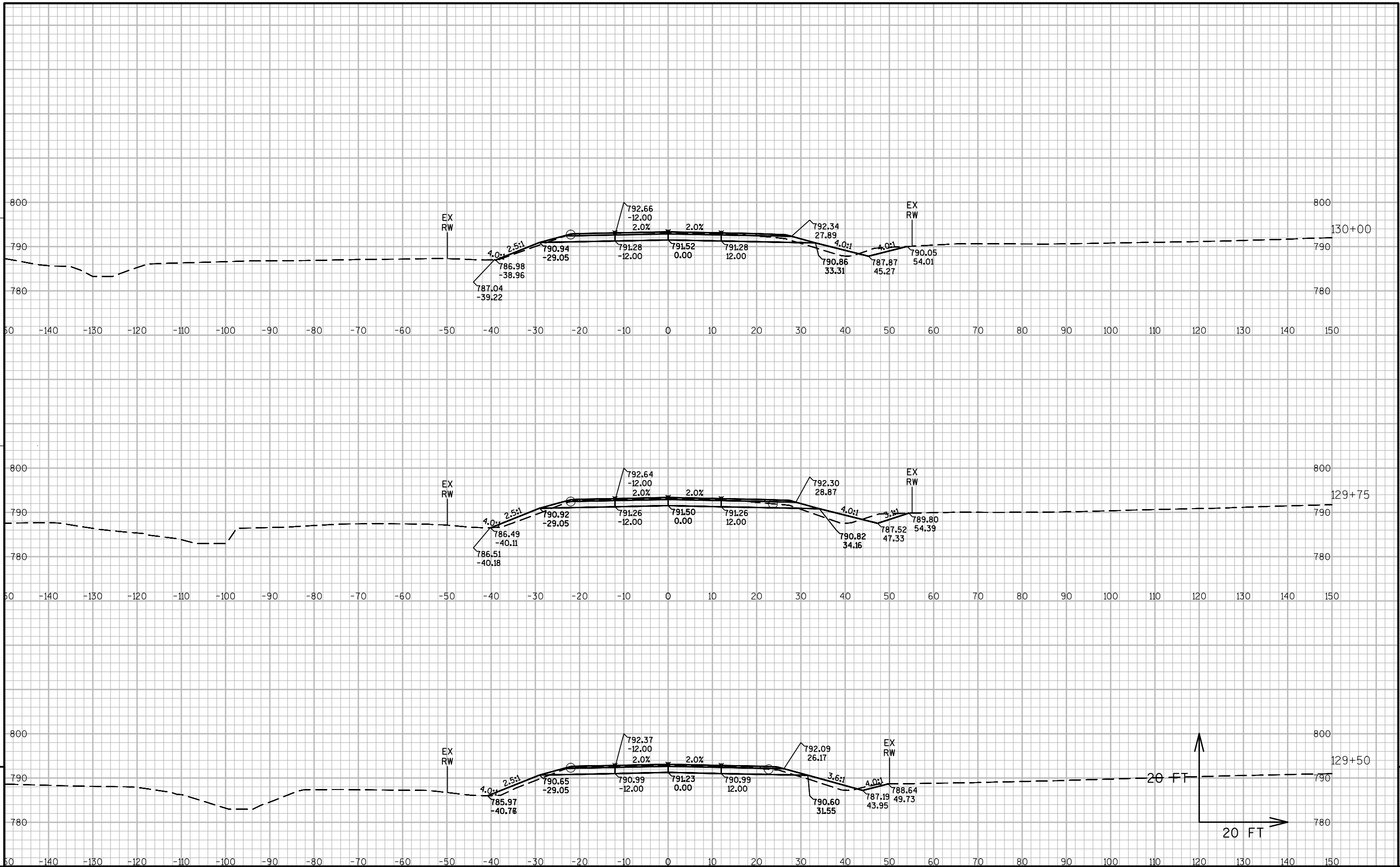
WISDOT/CADDs SHEET 49

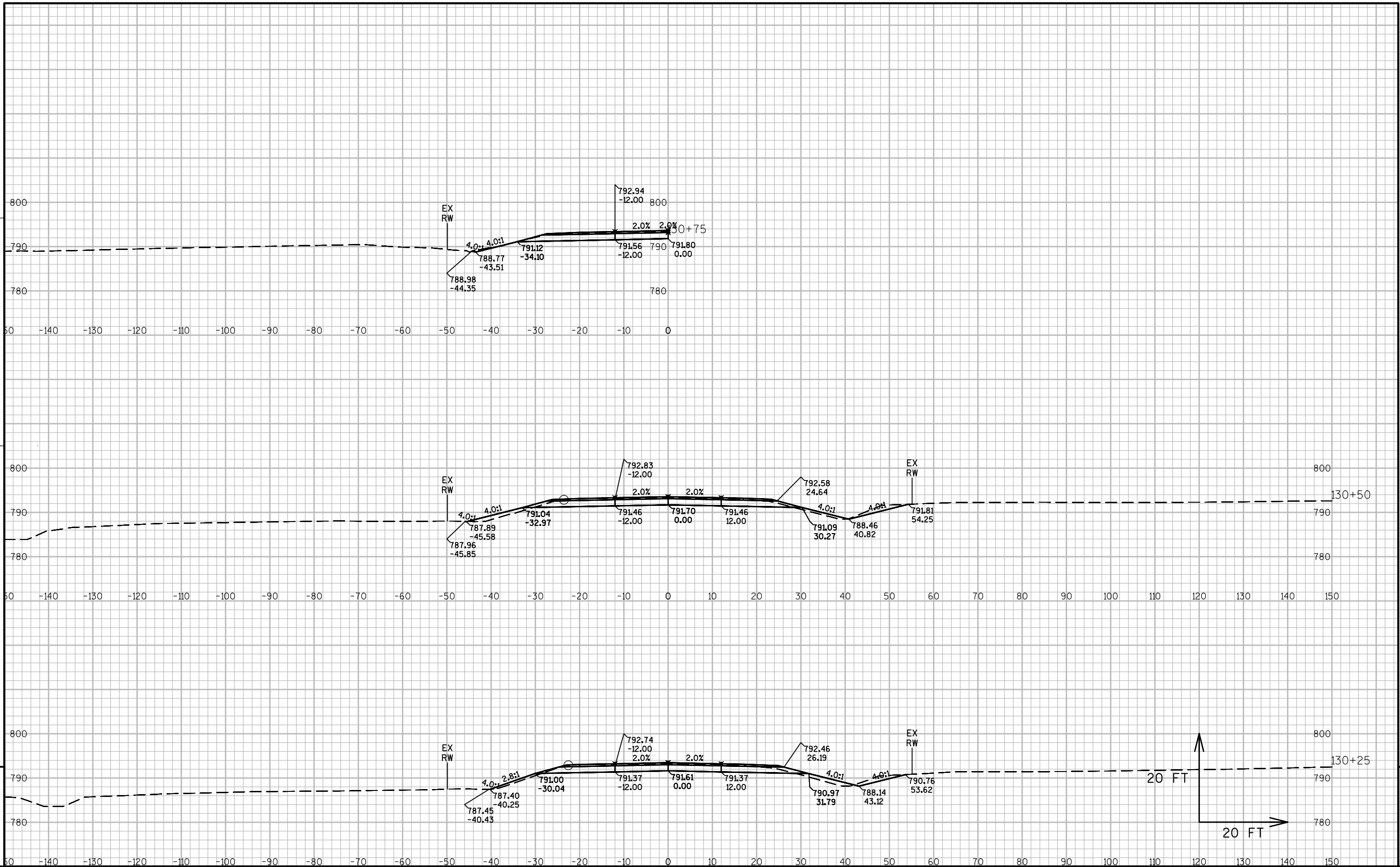


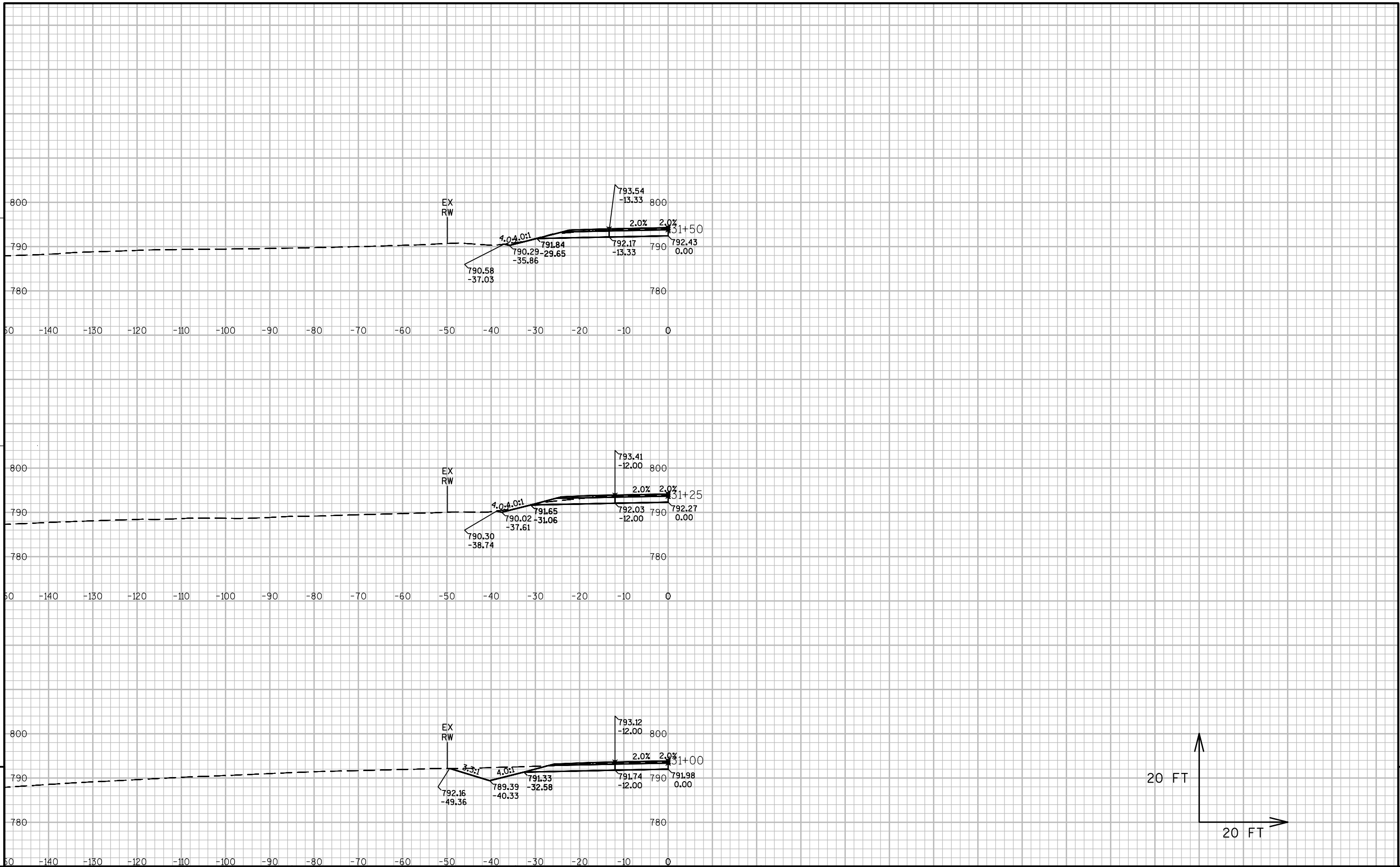


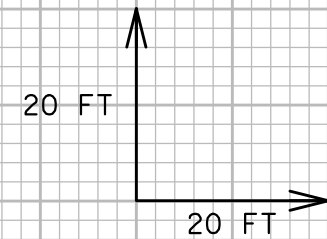
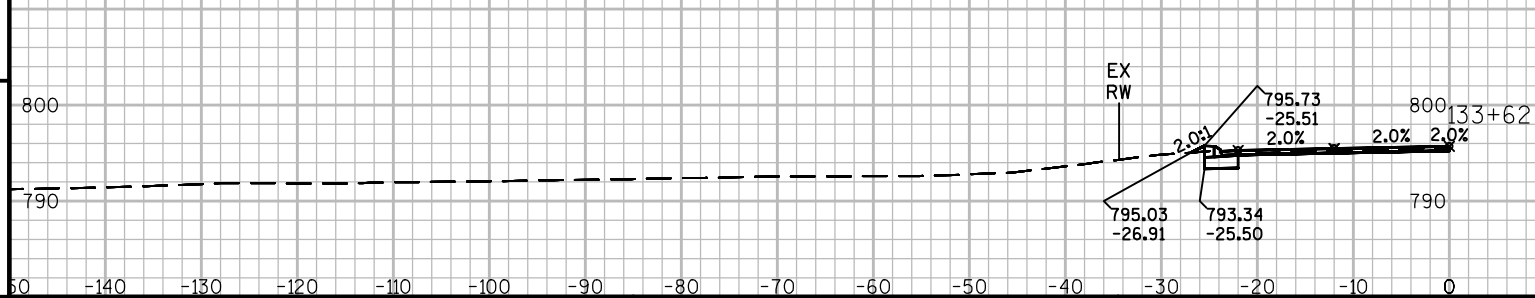
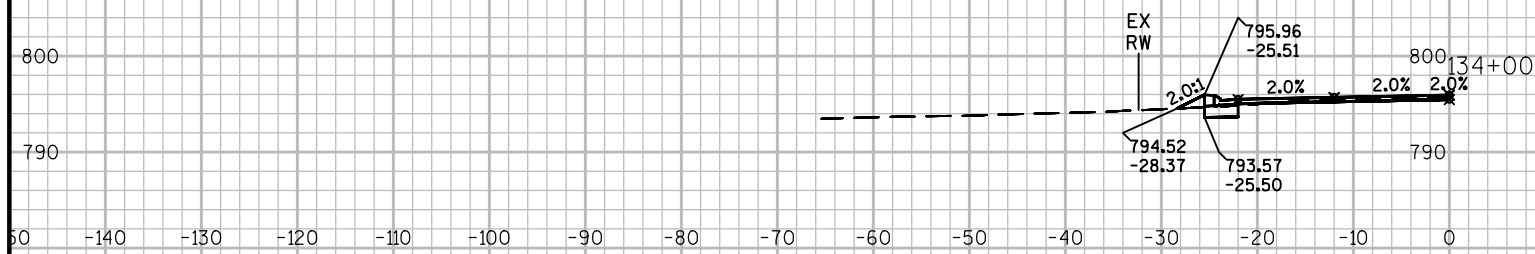
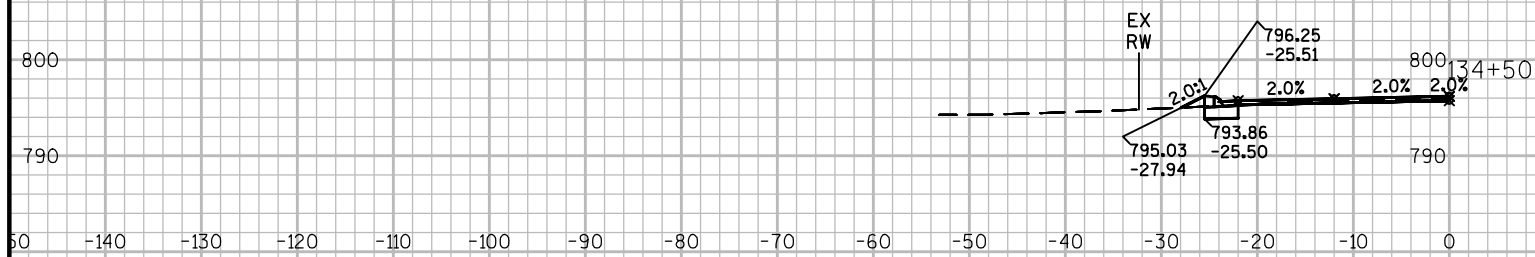
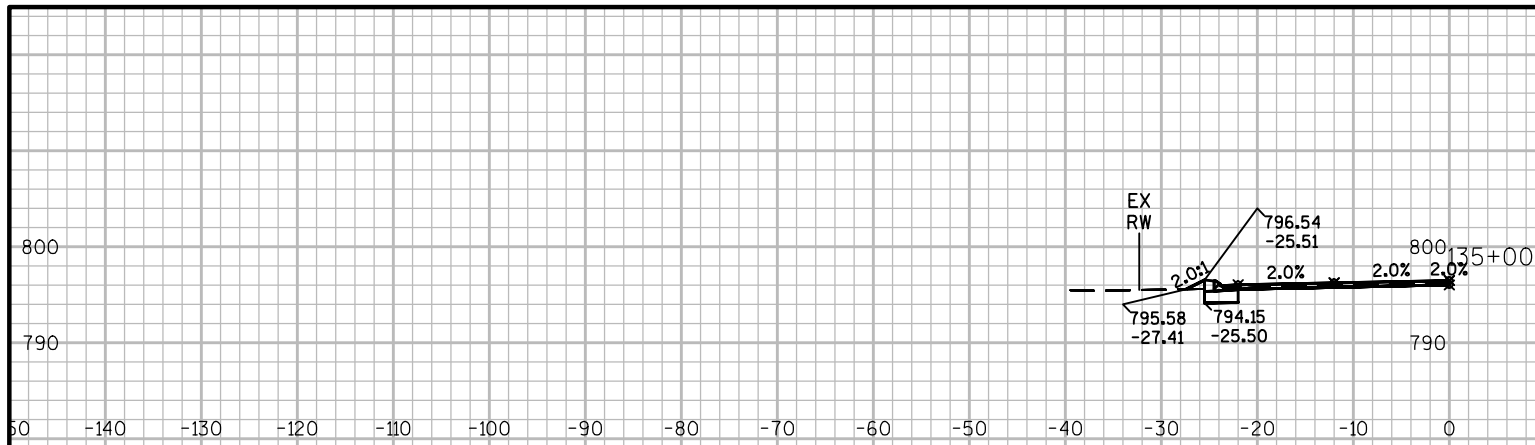


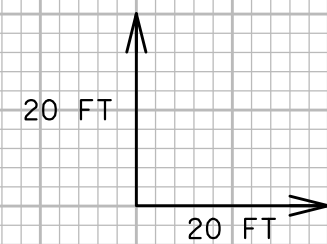
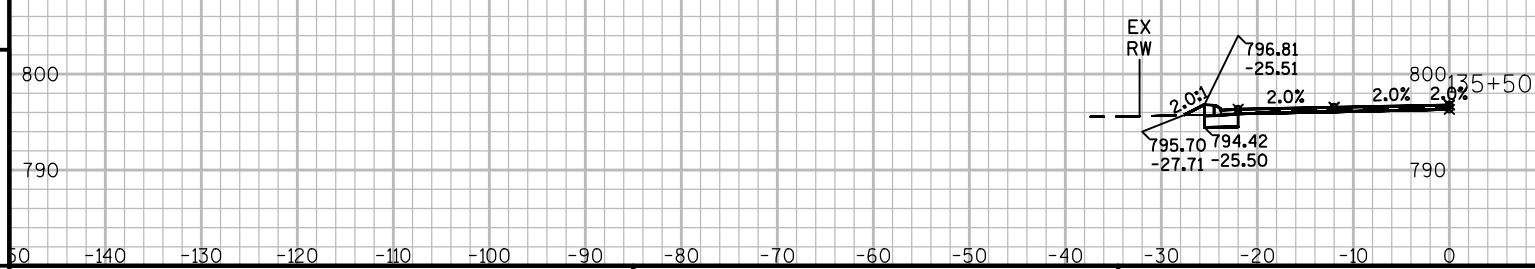
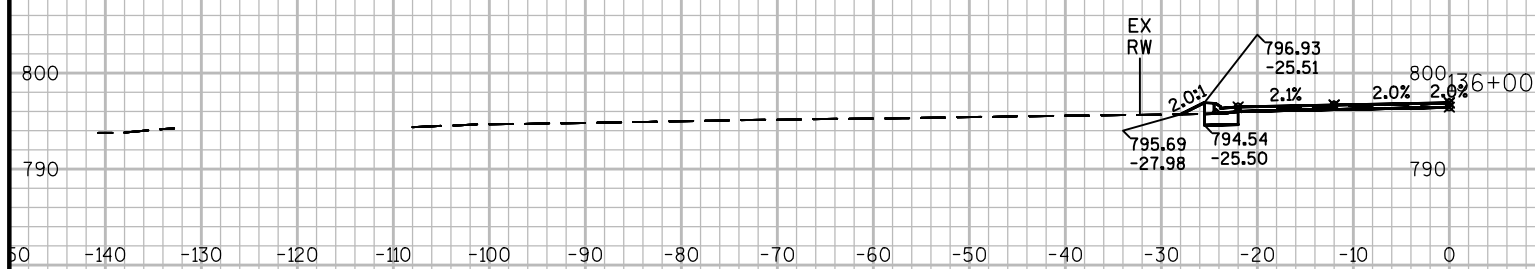
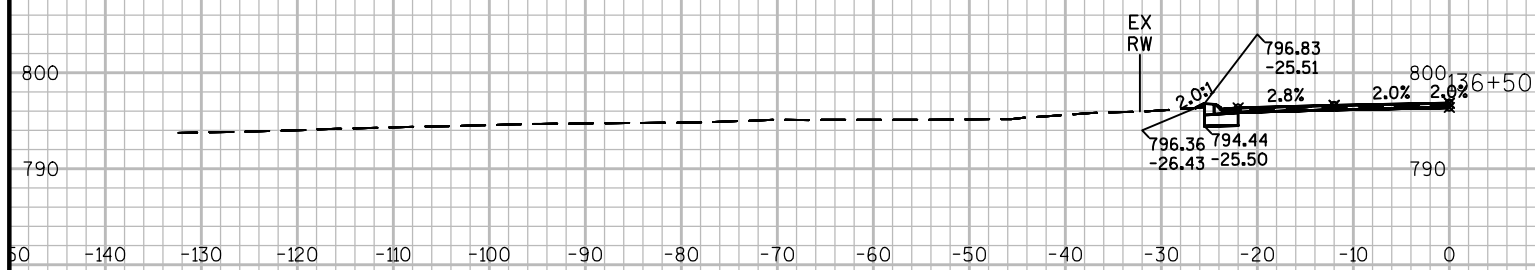
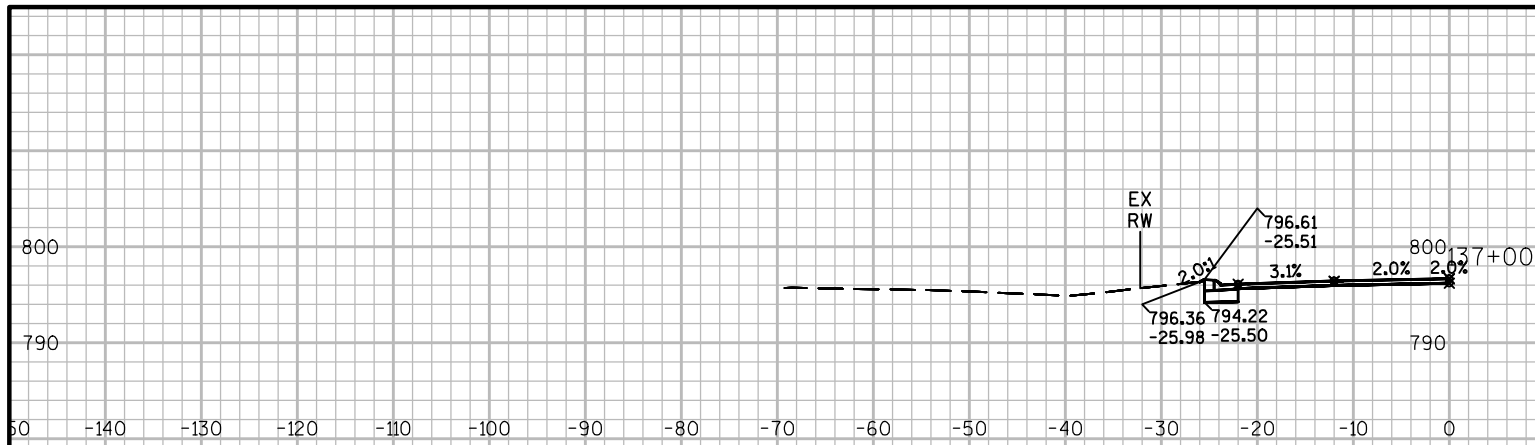


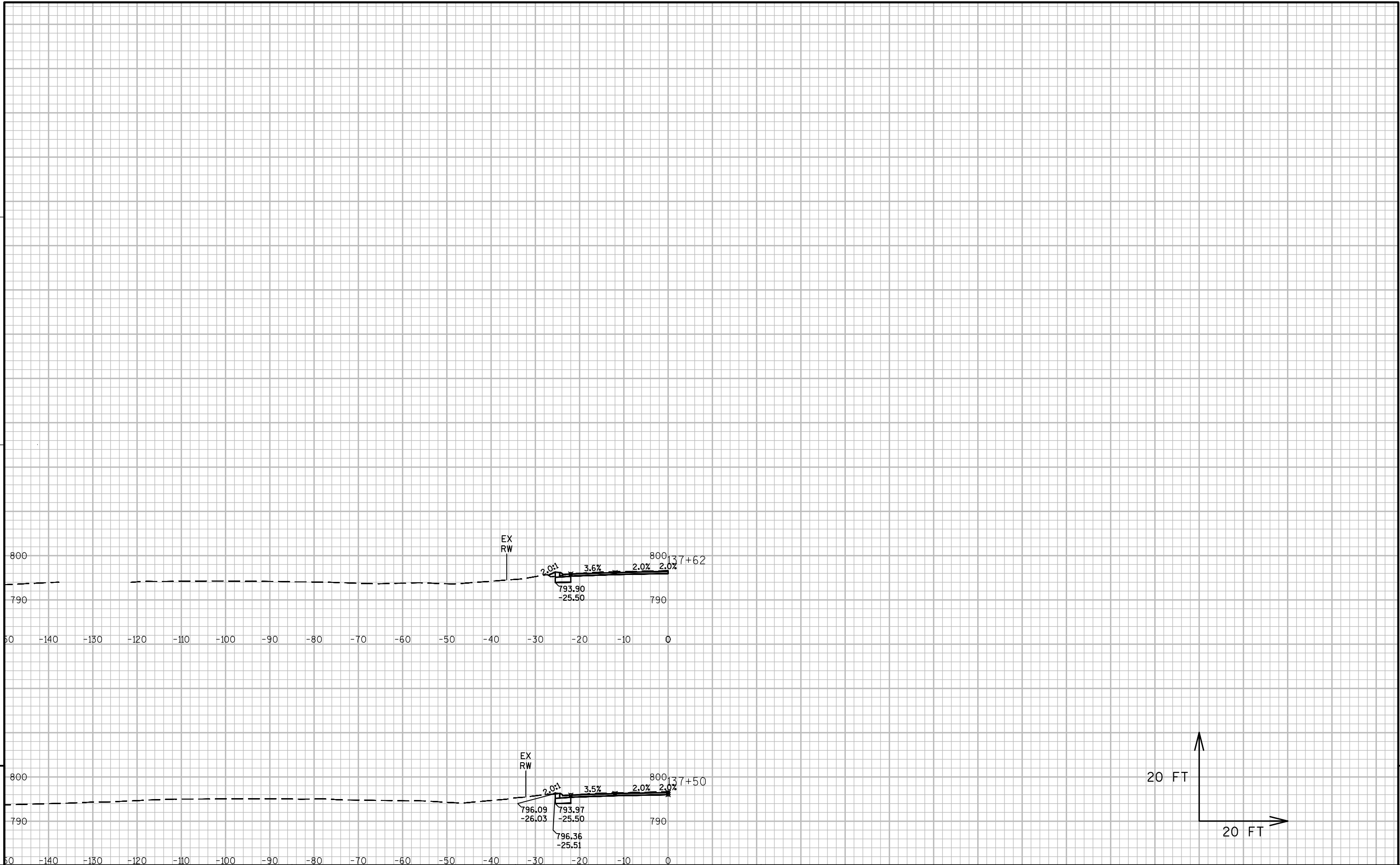


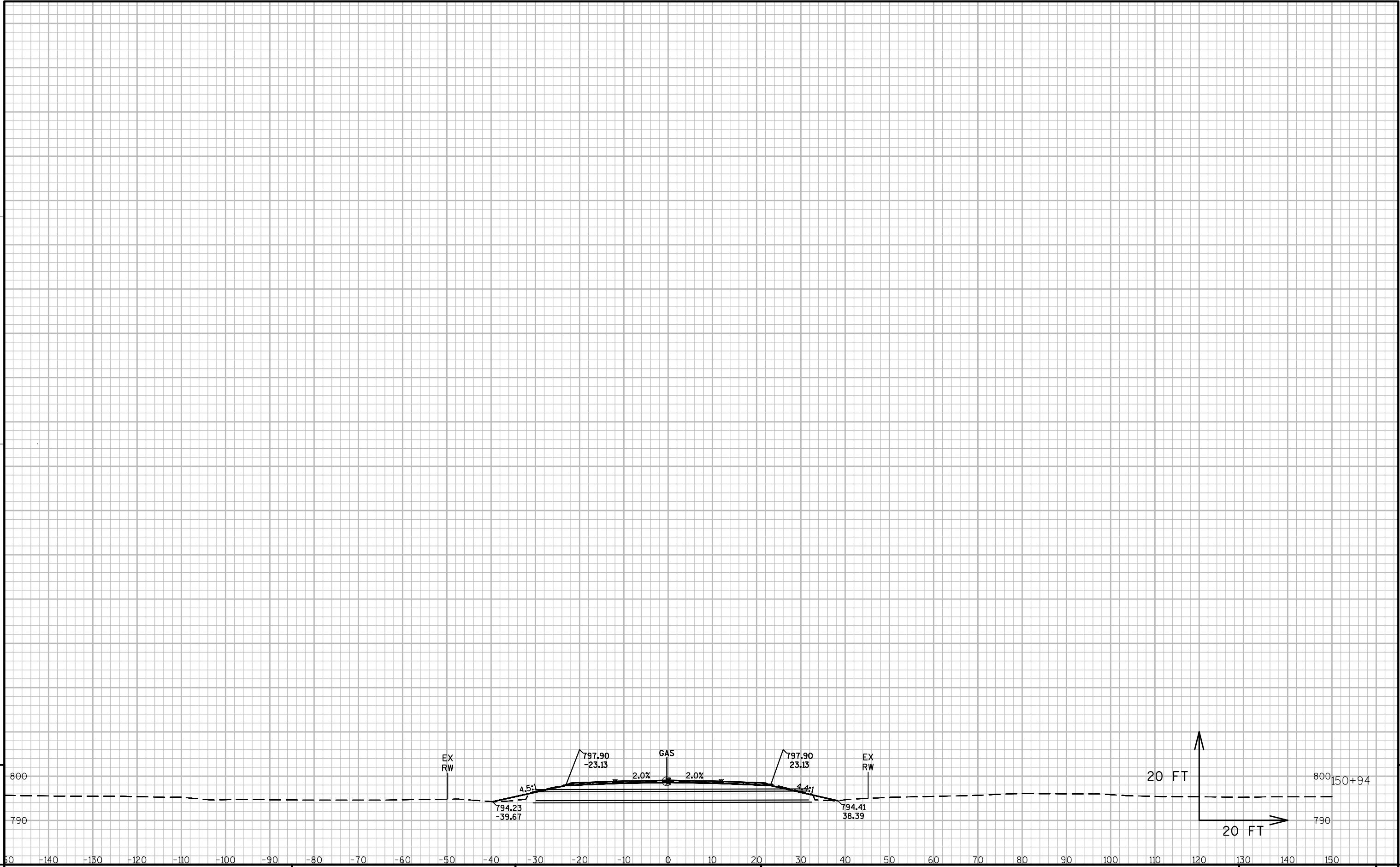












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PROJECT NO: 9210-13-71

HWY: STH 54

COUNTY: BROWN

CROSS SECTIONS: STH 54

SHEET

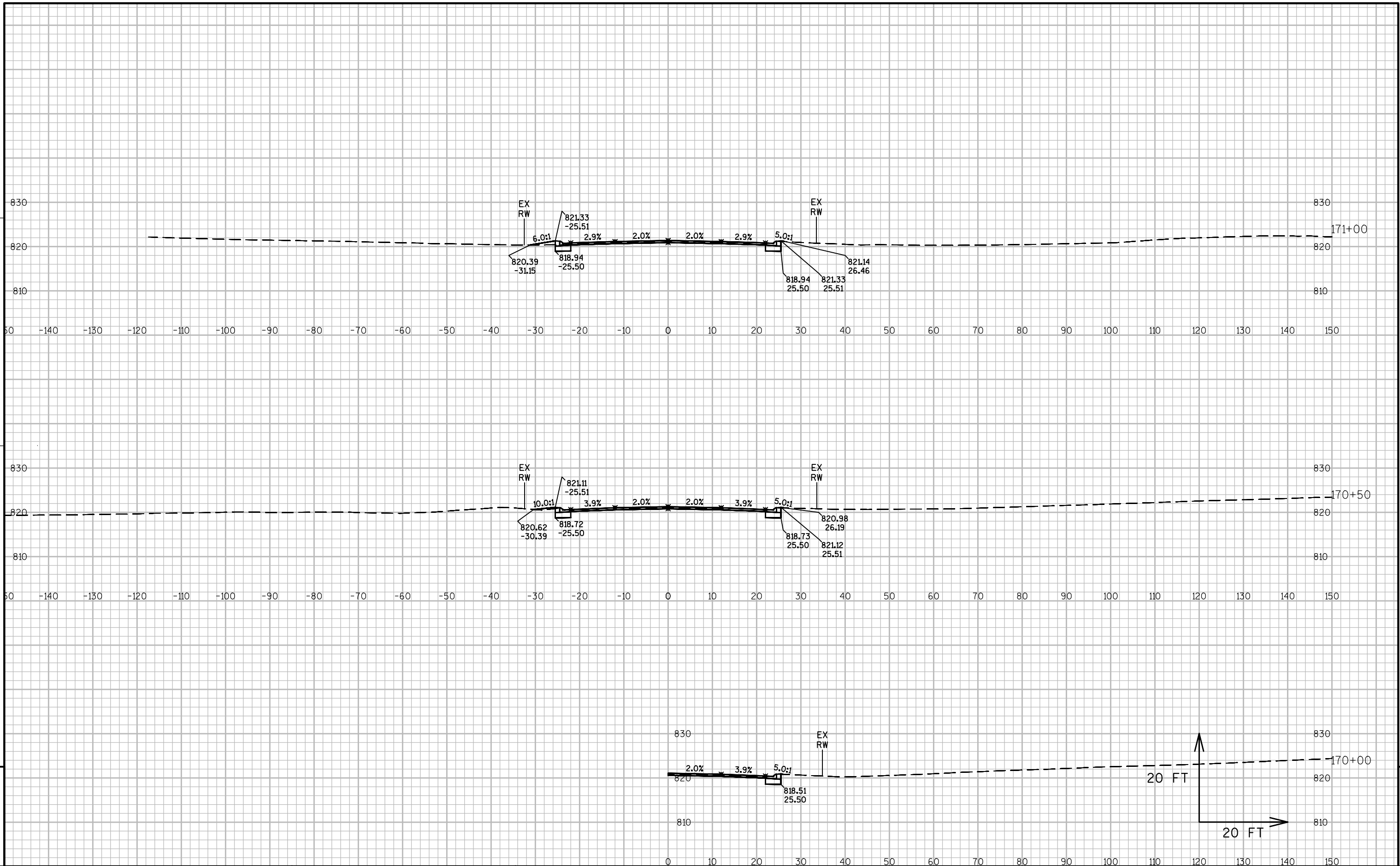
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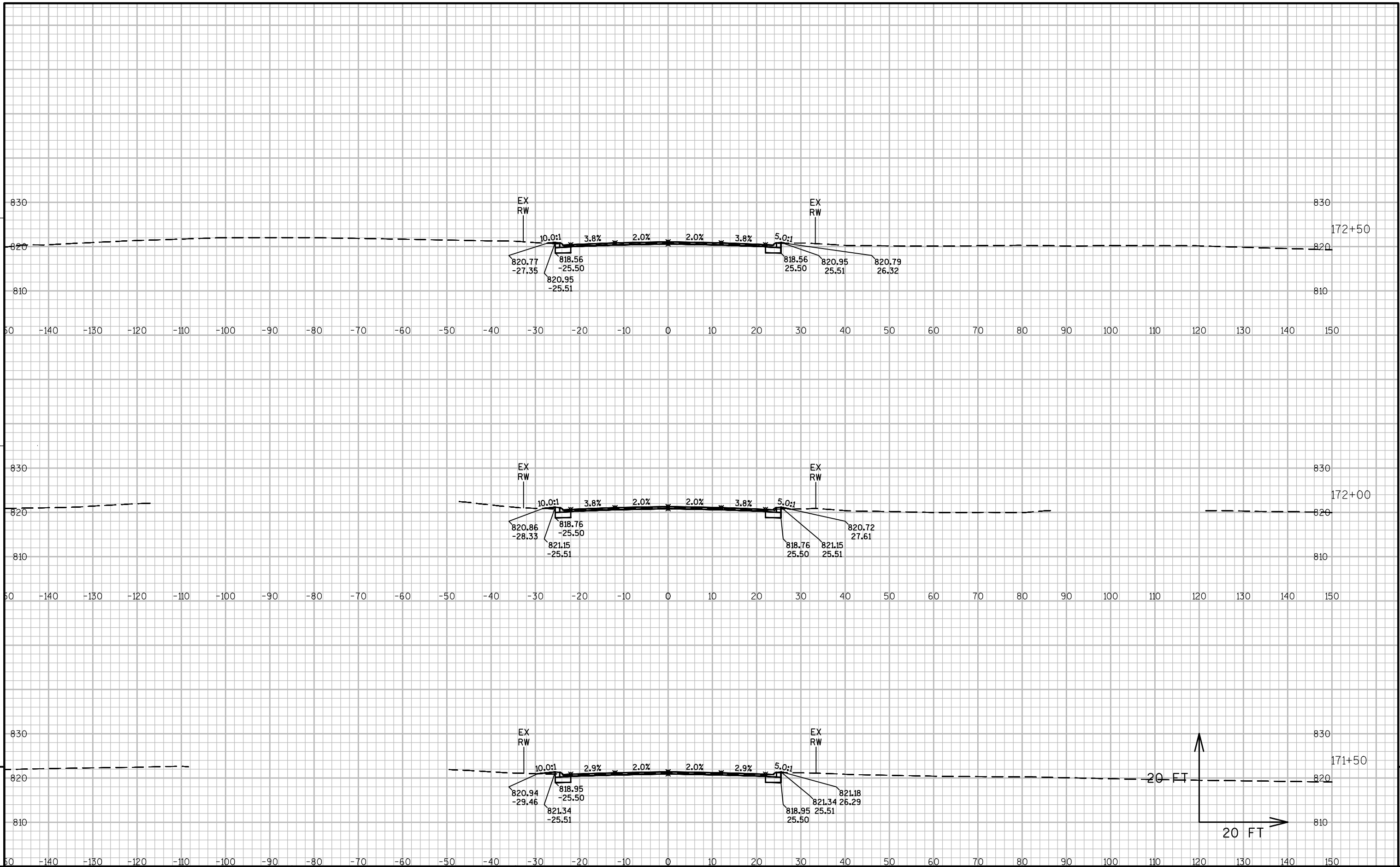
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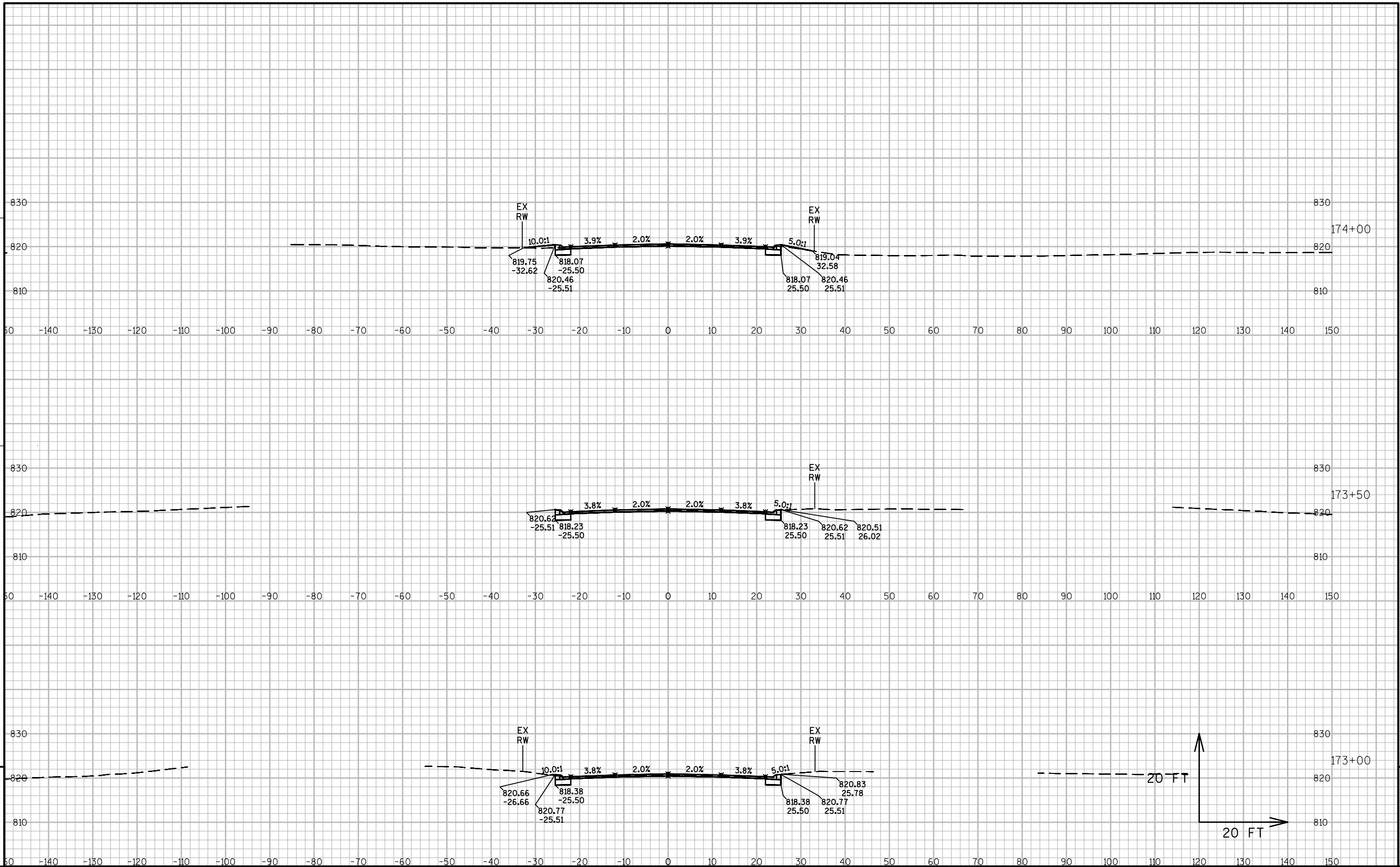
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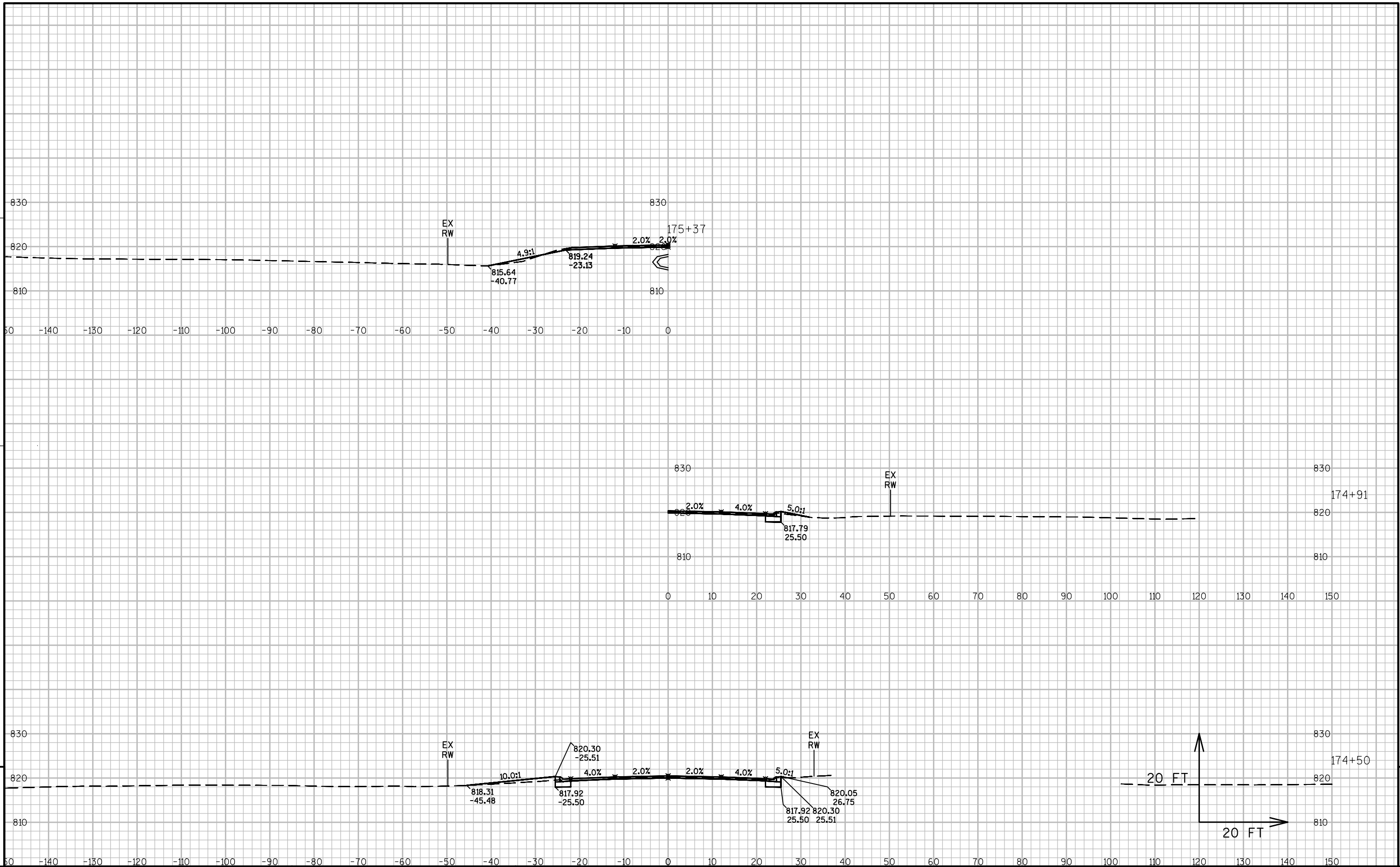
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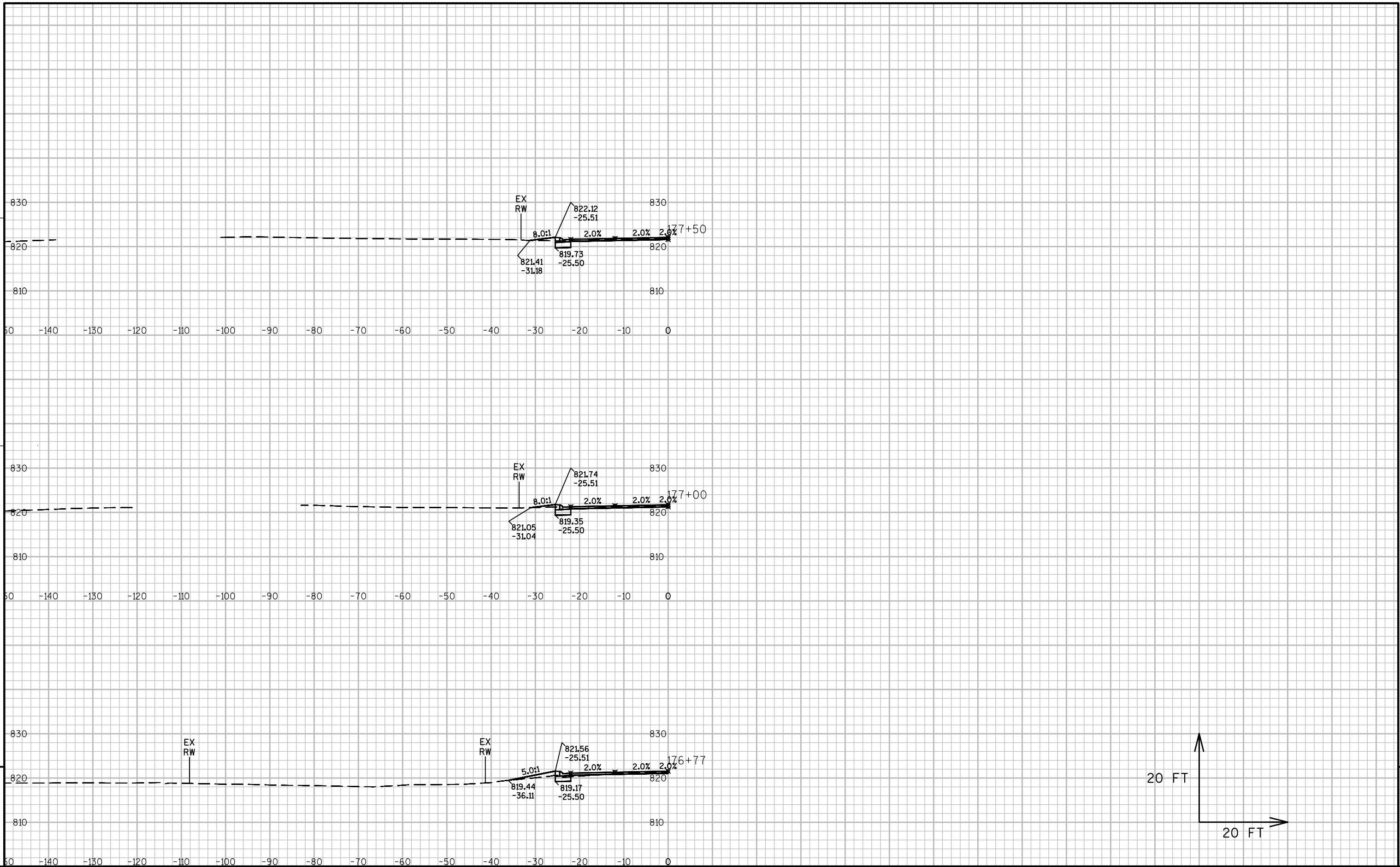
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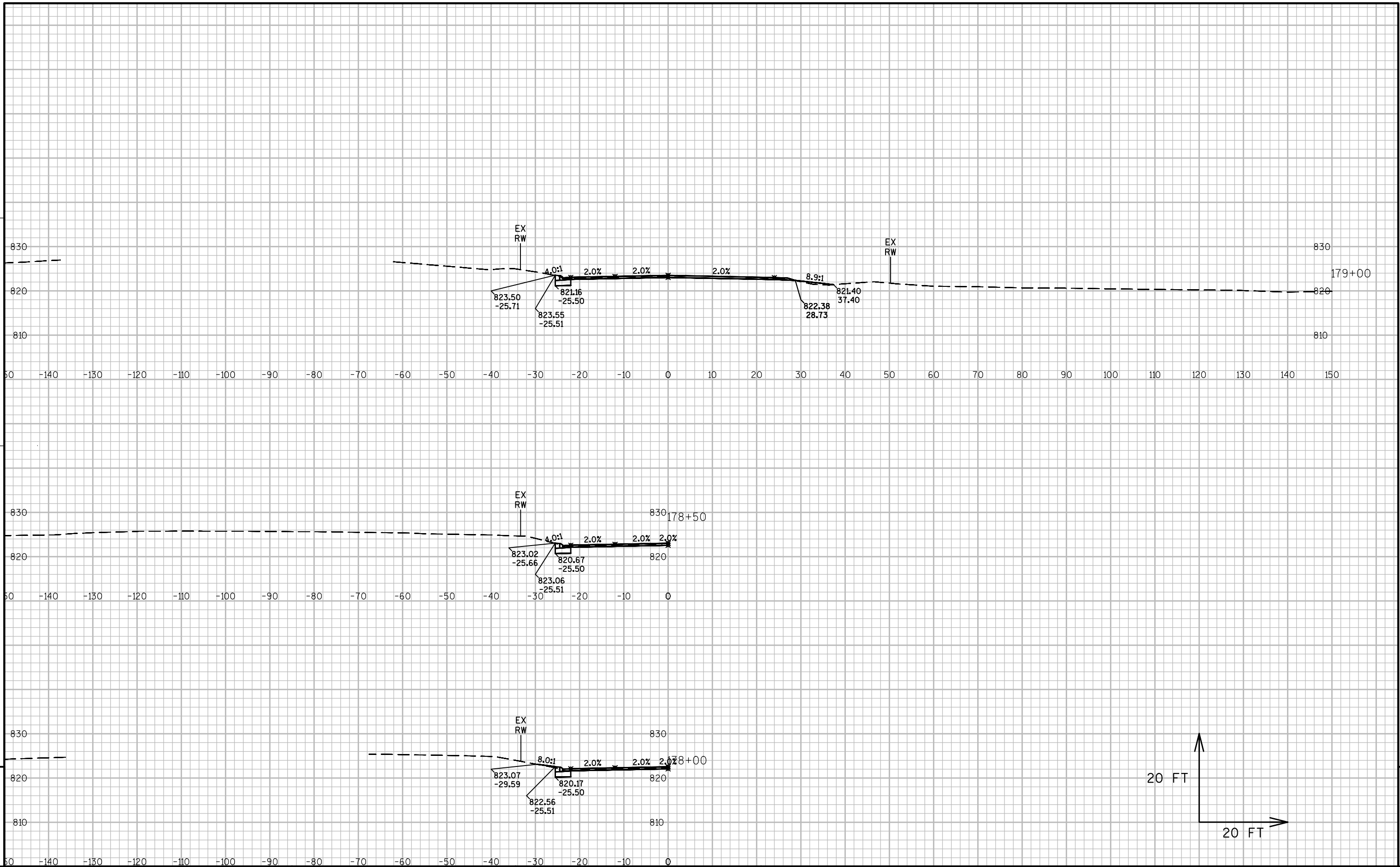


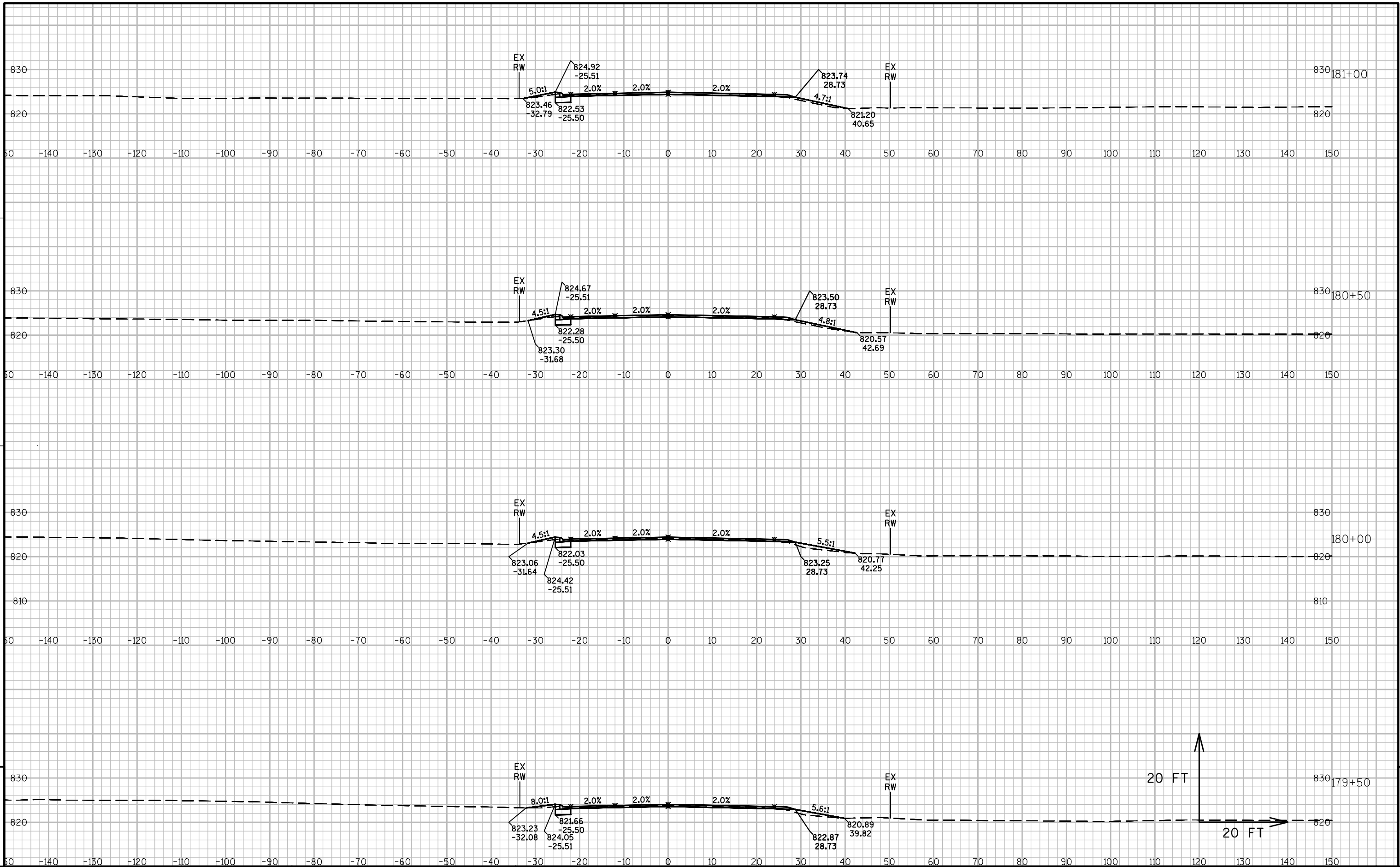


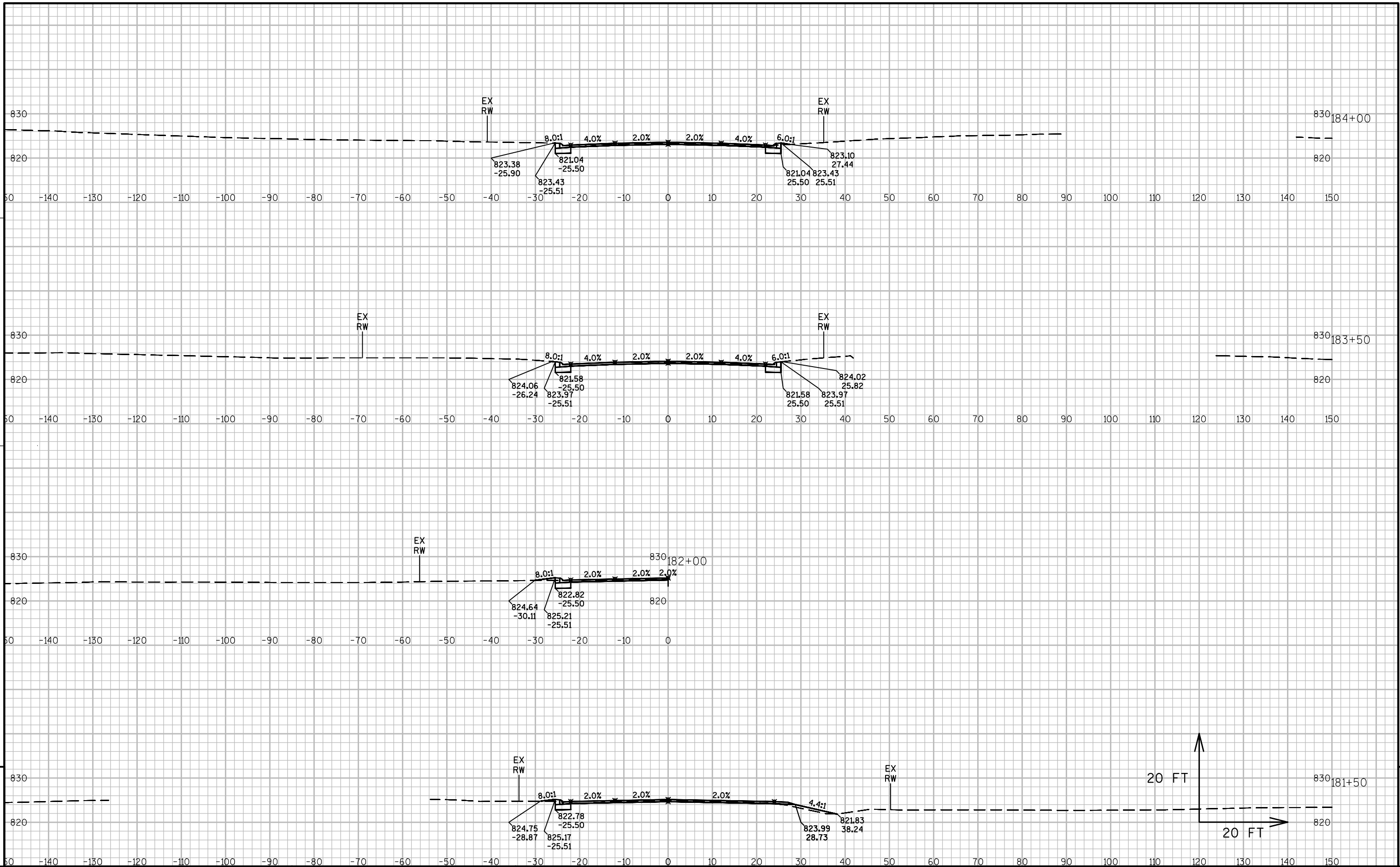


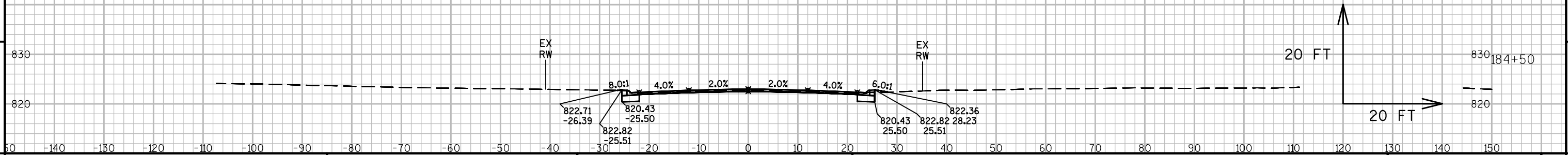
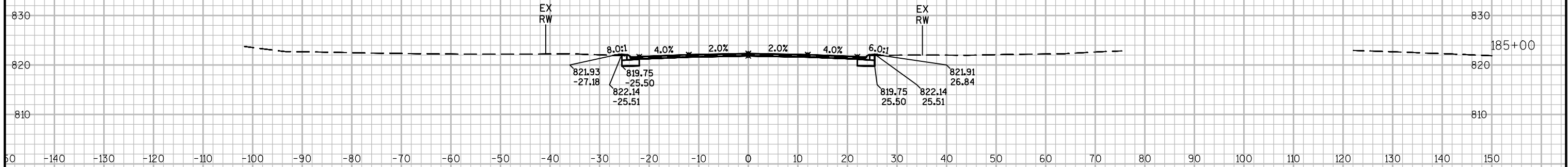


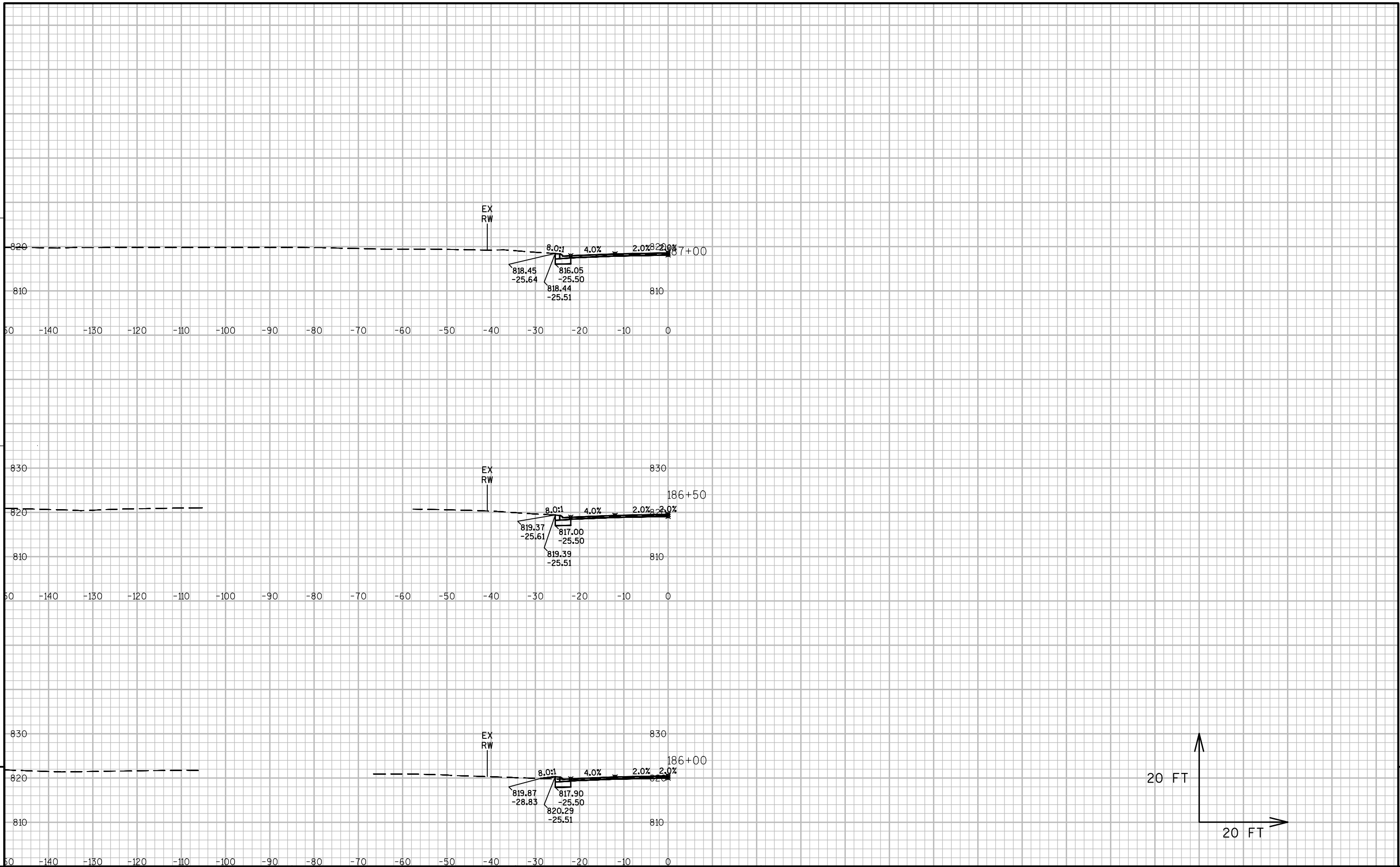


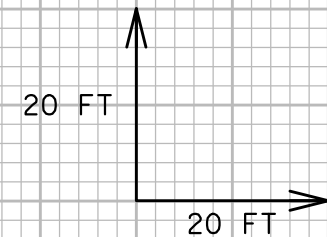
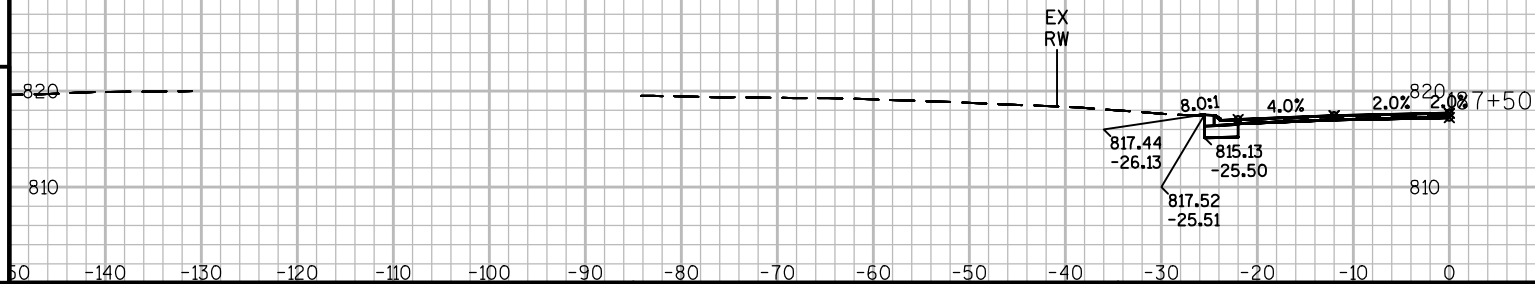
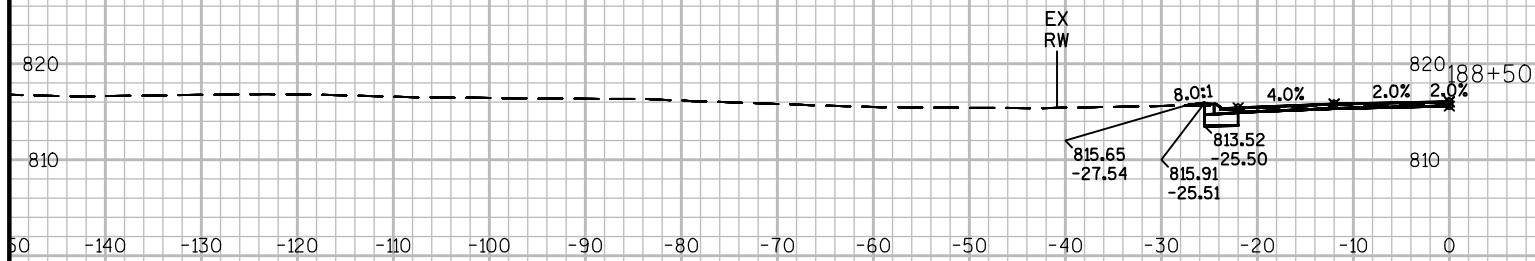
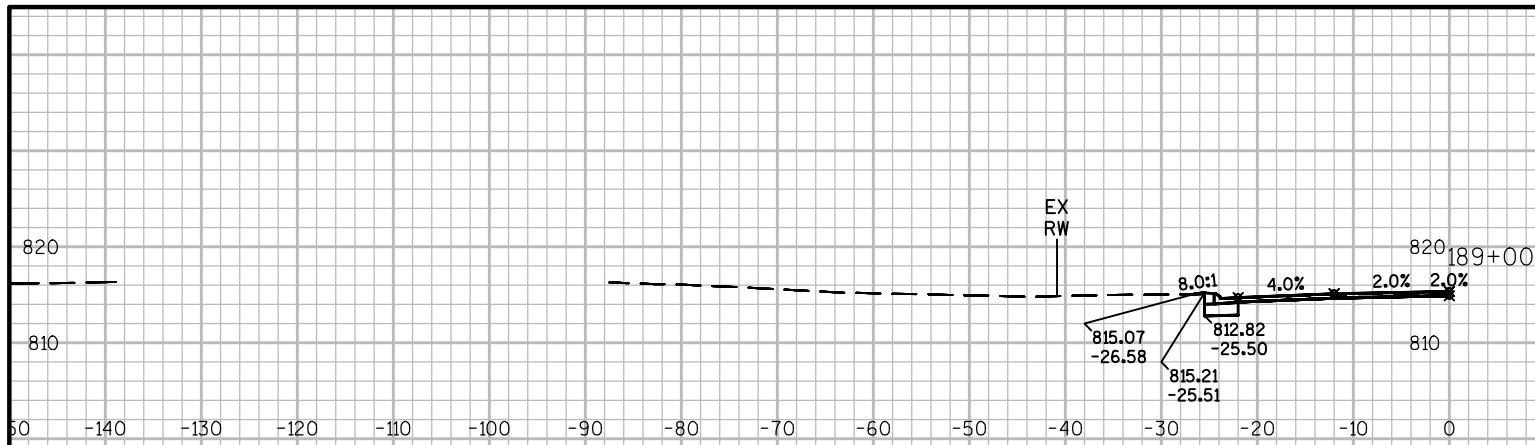


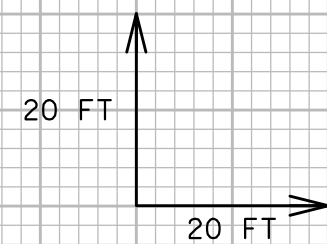
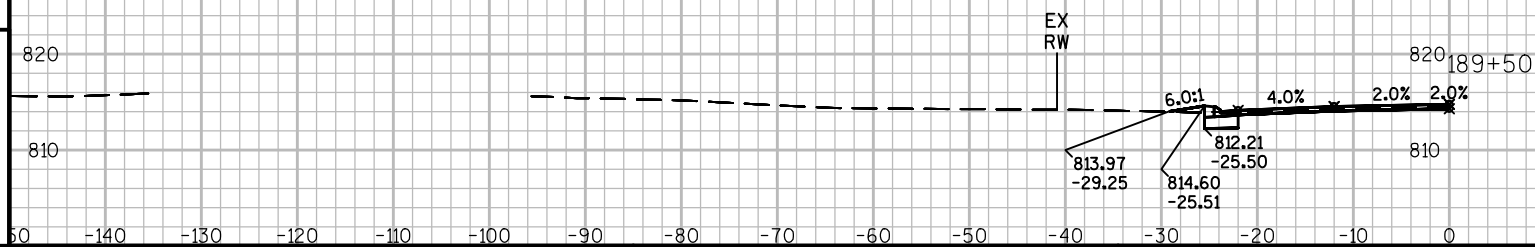
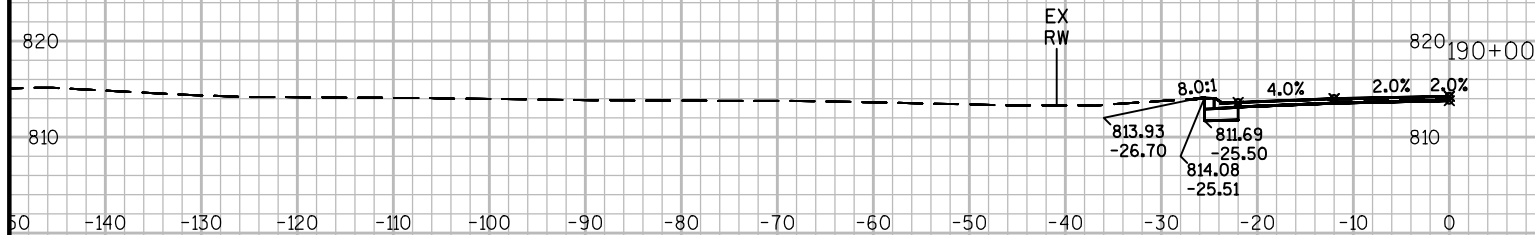
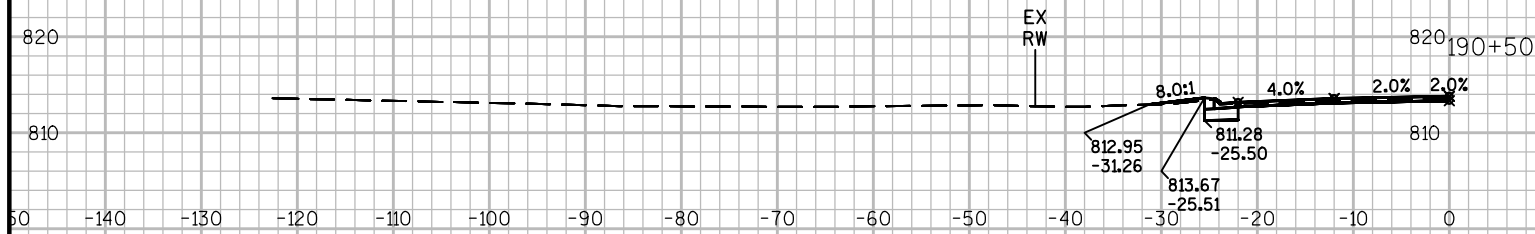
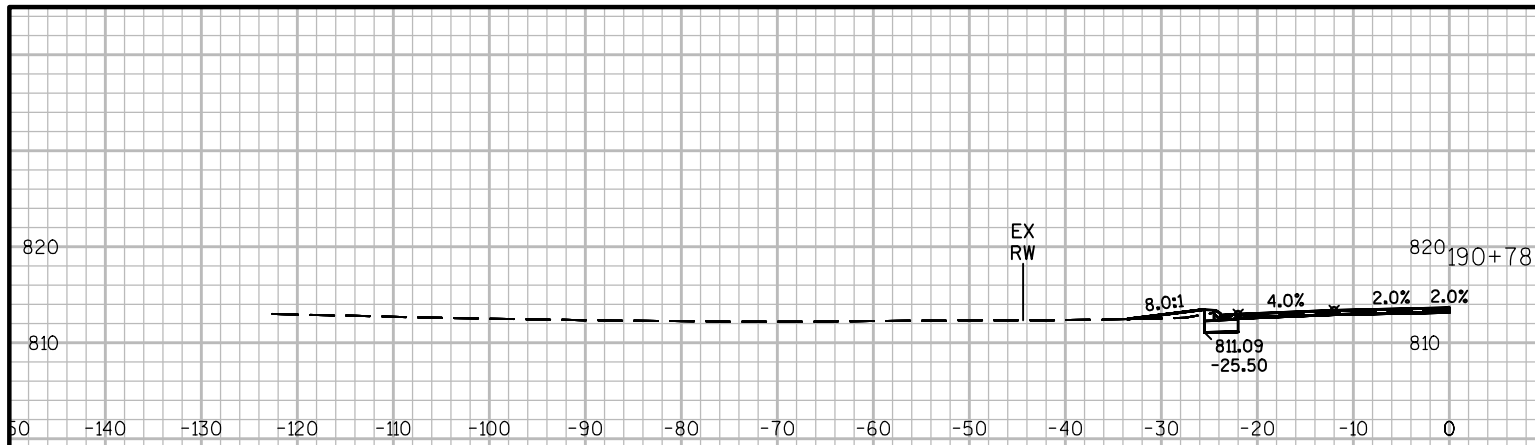


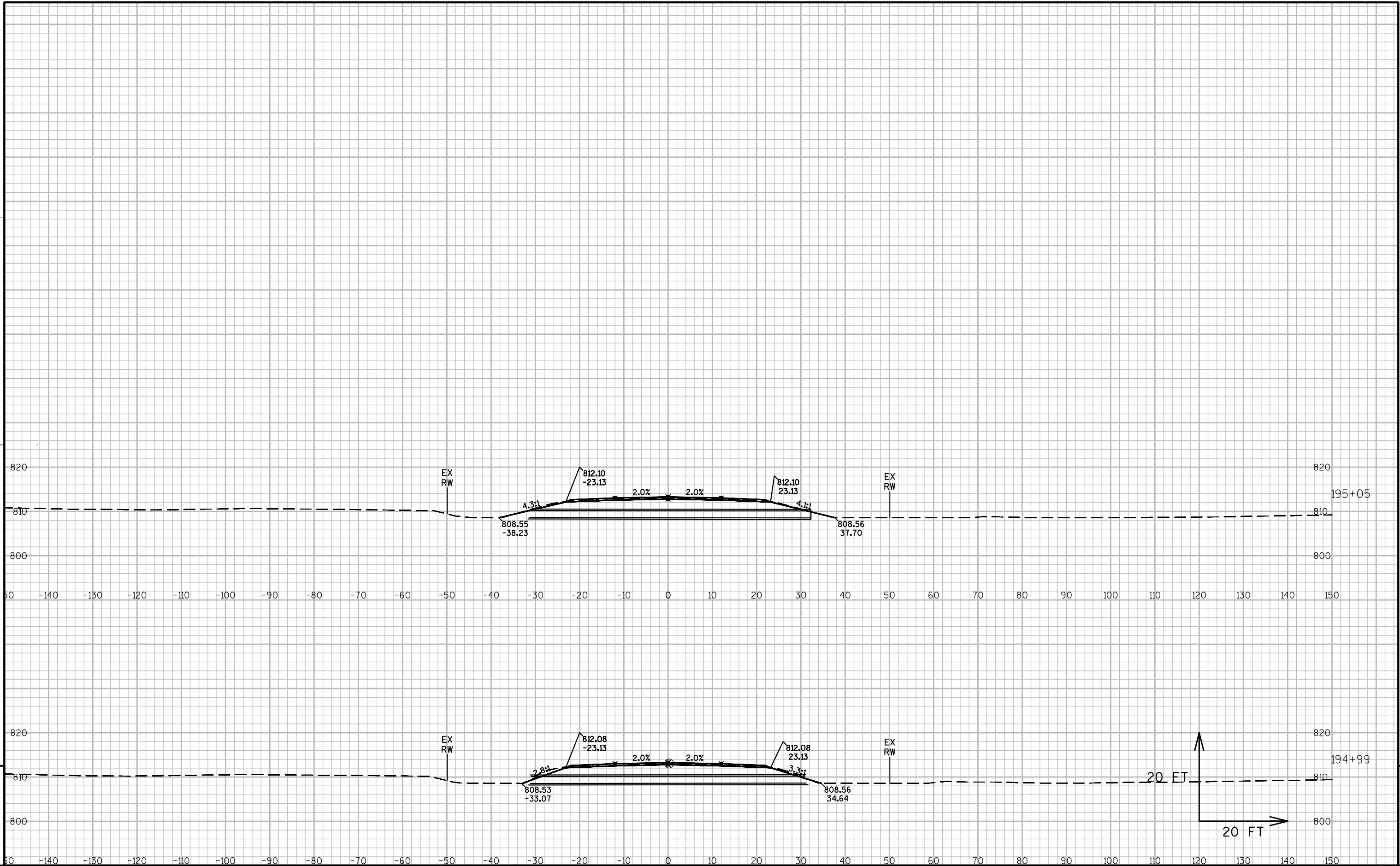




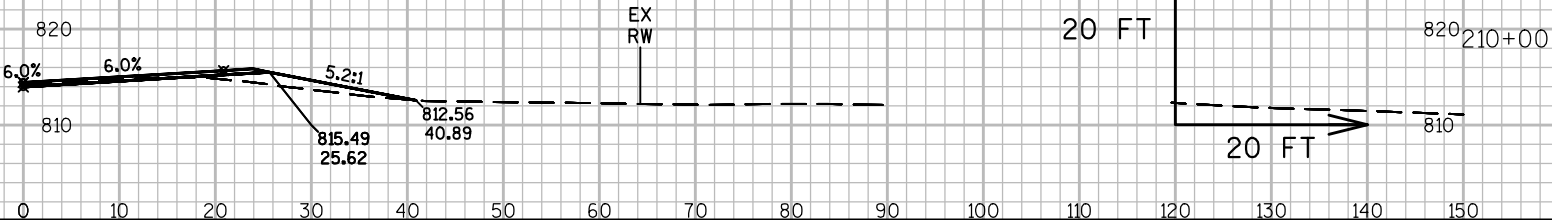
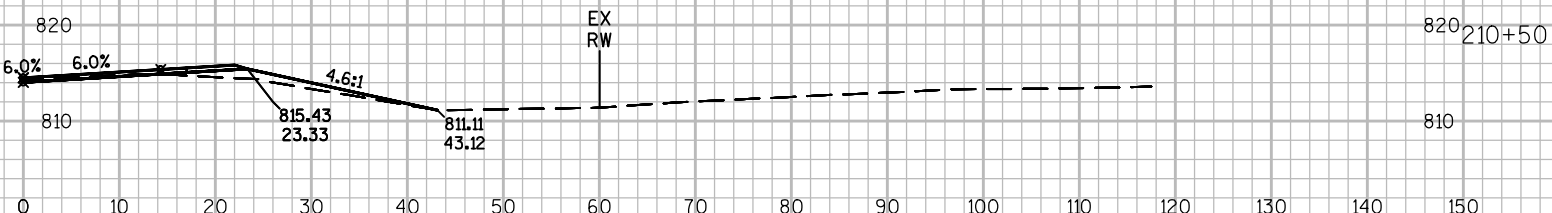
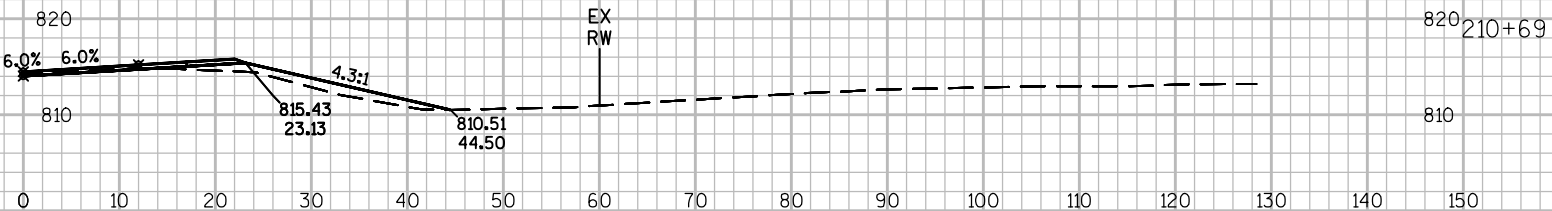




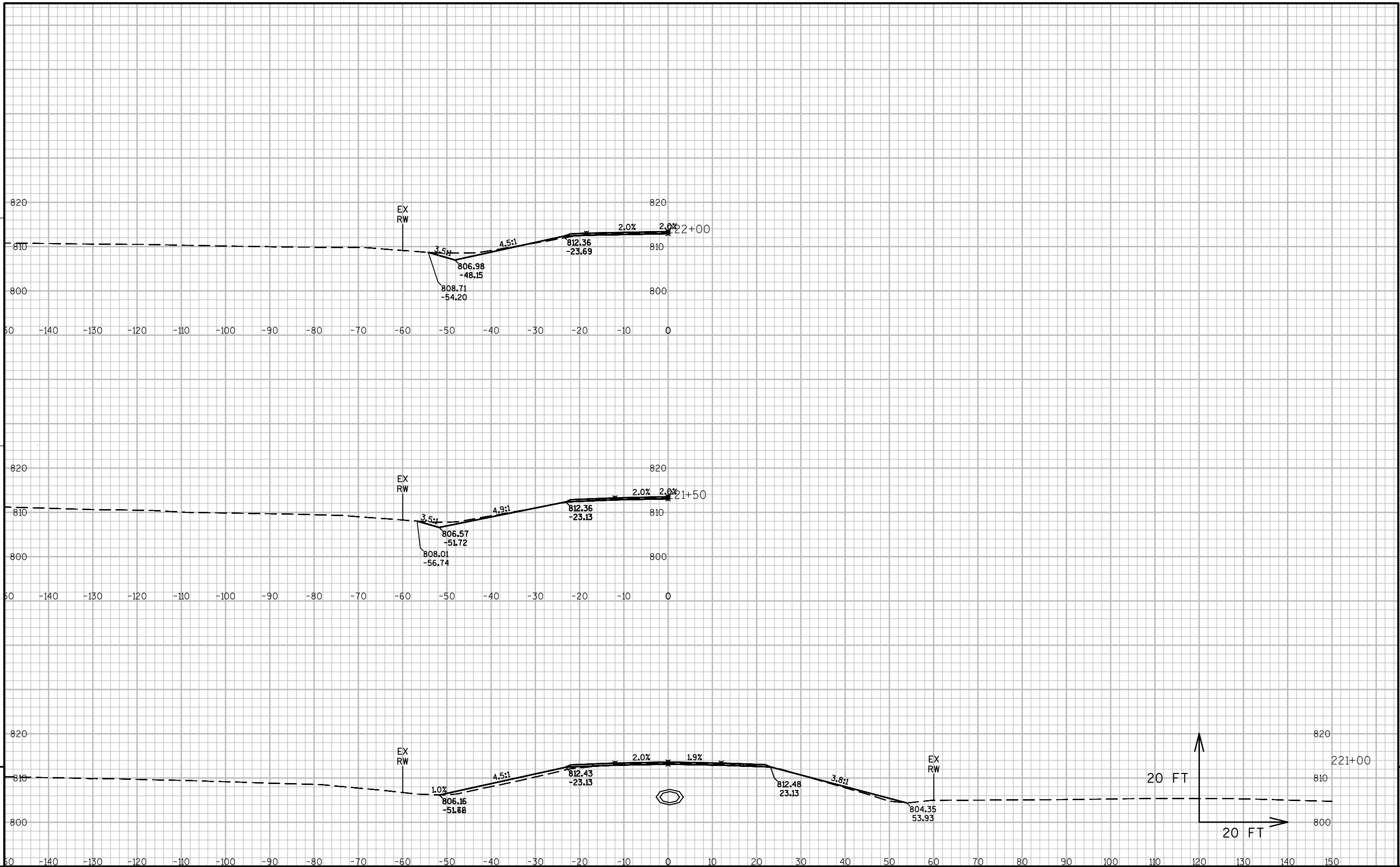


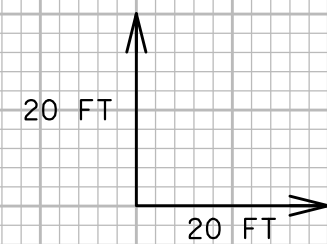
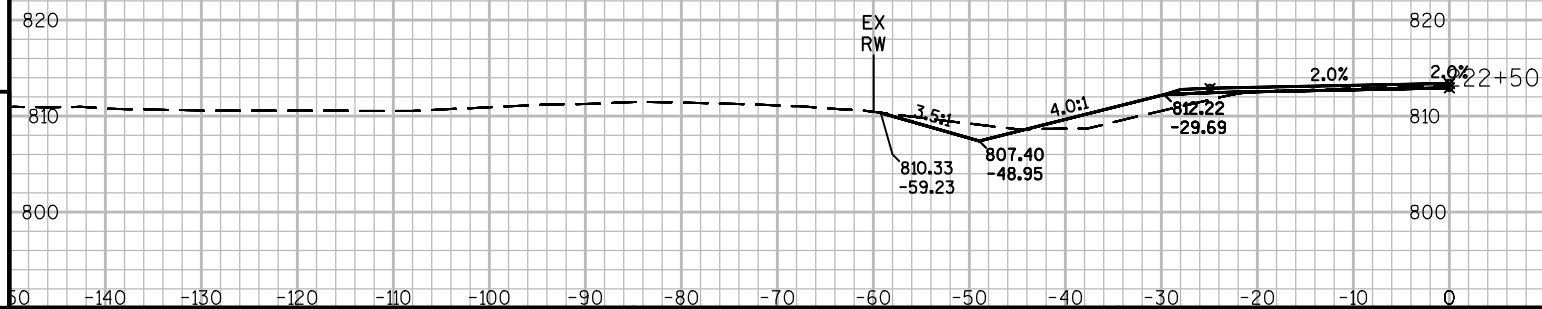
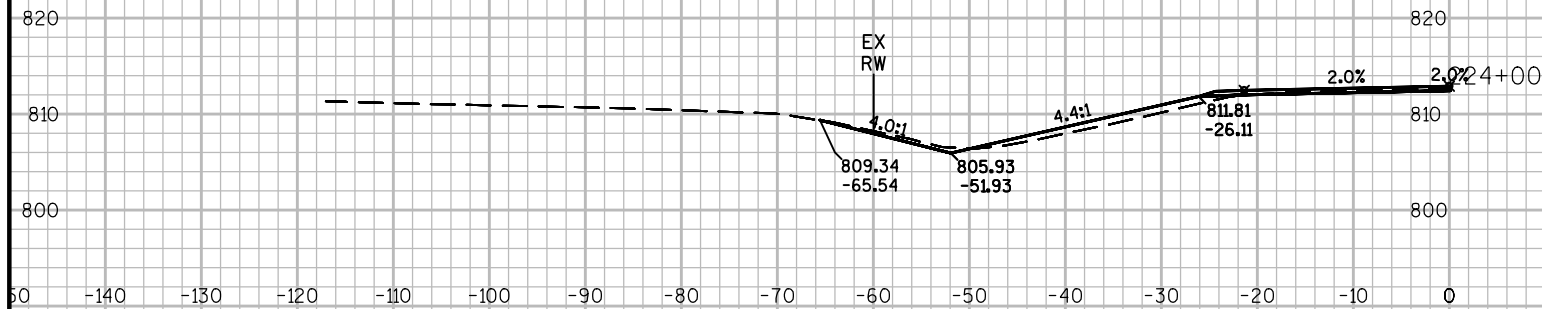


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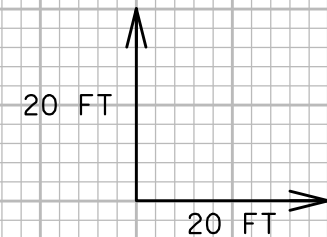
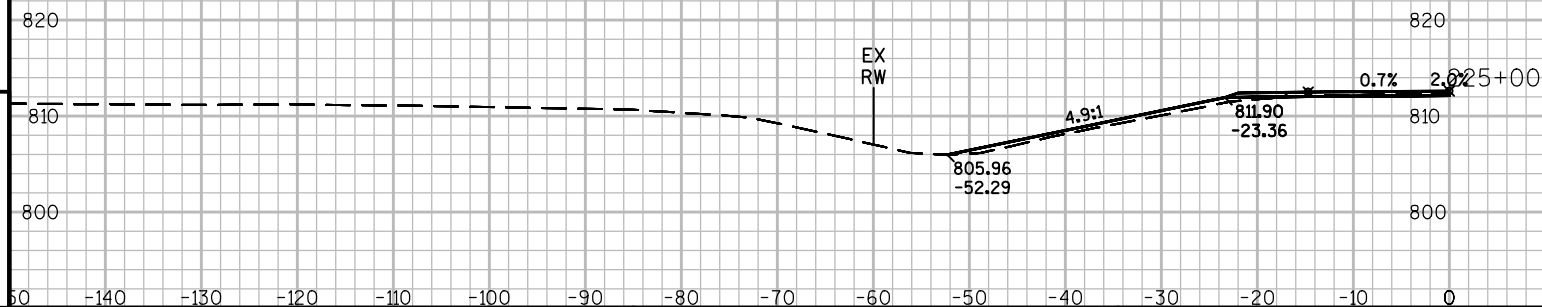


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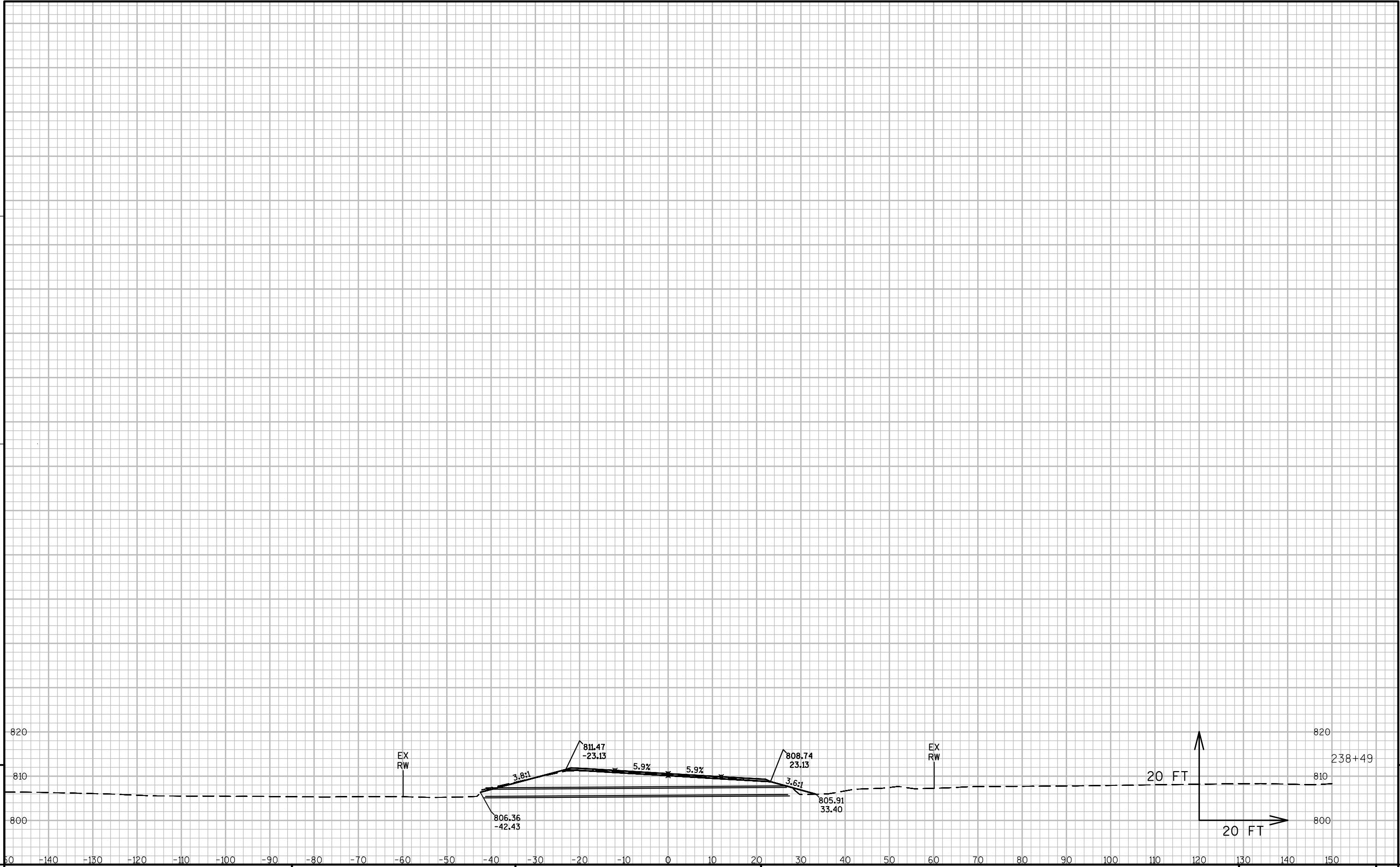


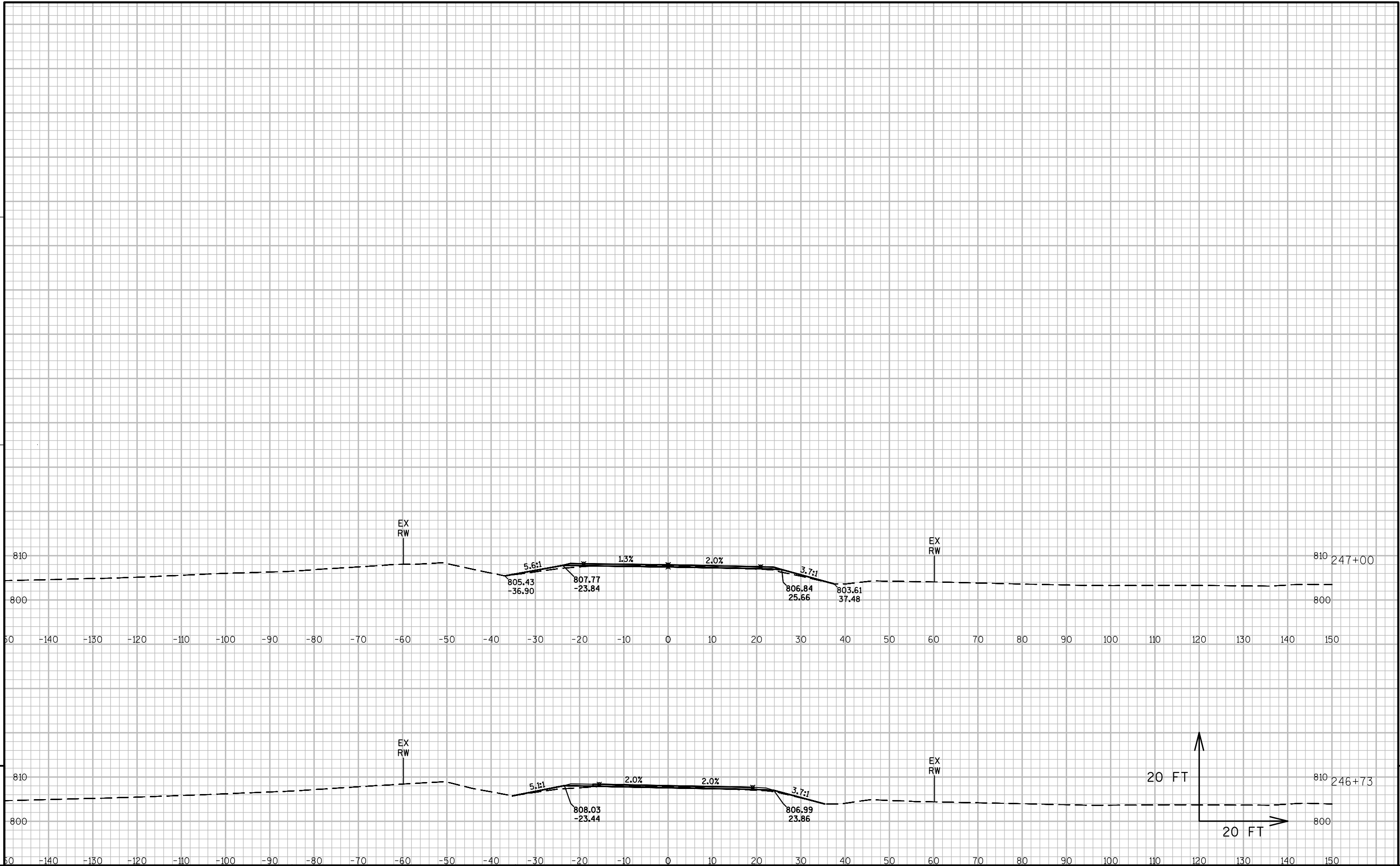


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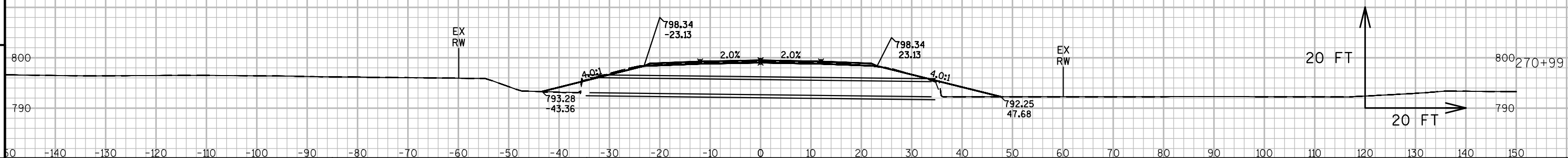


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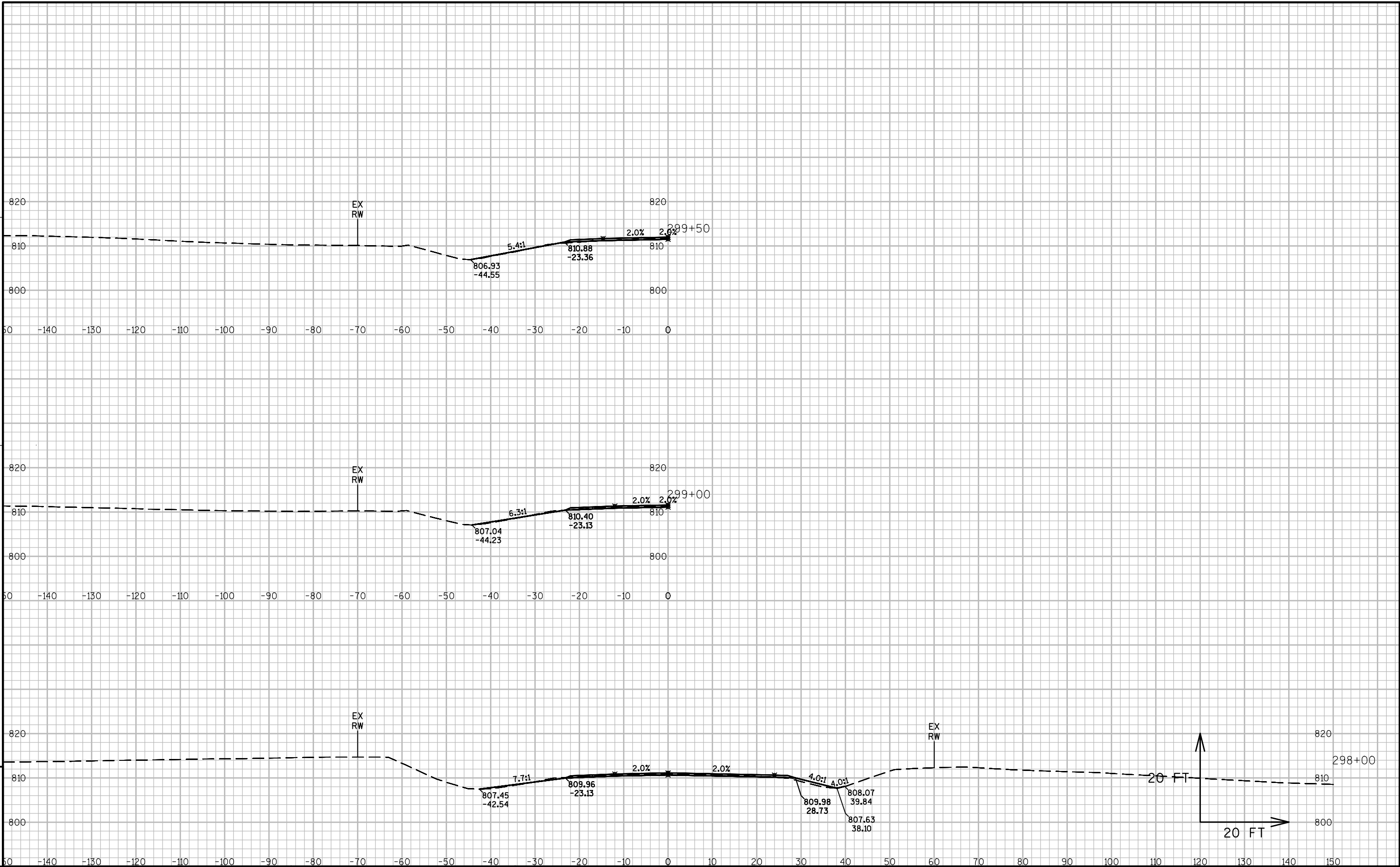


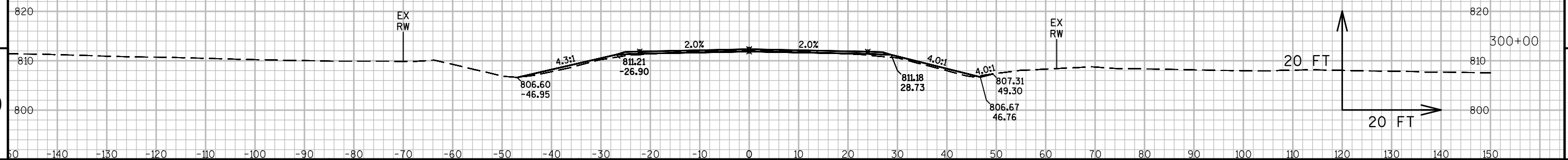
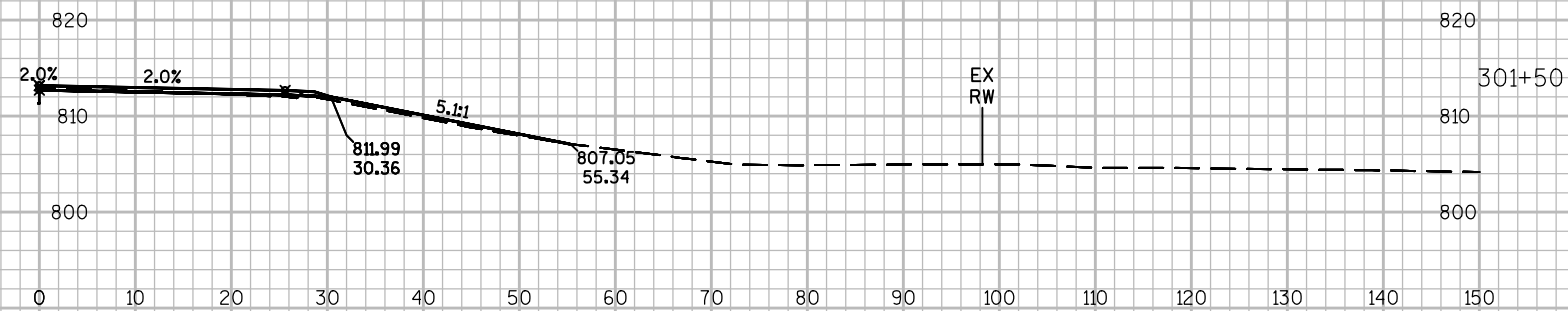
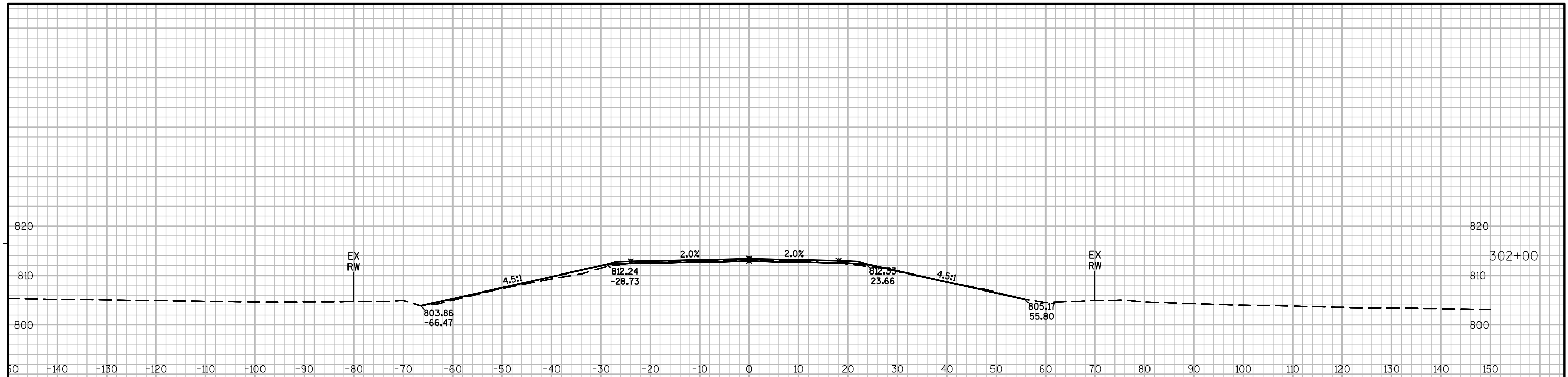


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PROJECT NO: 9210-13-71

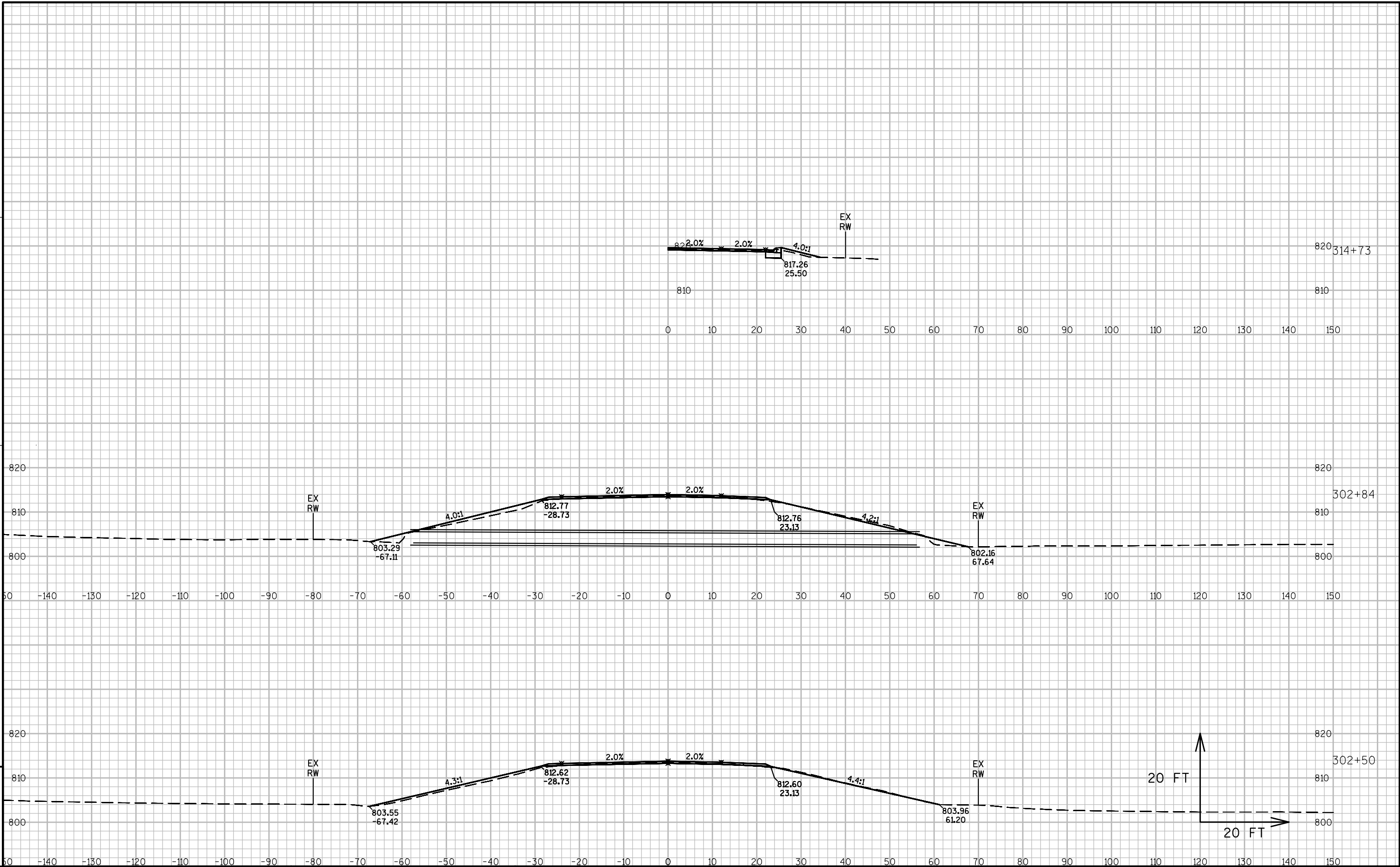
HWY: STH 54

COUNTY: BROWN

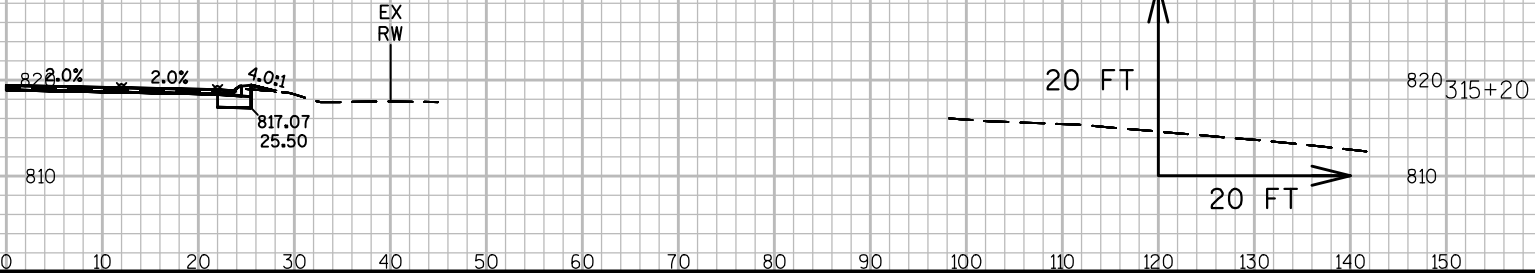
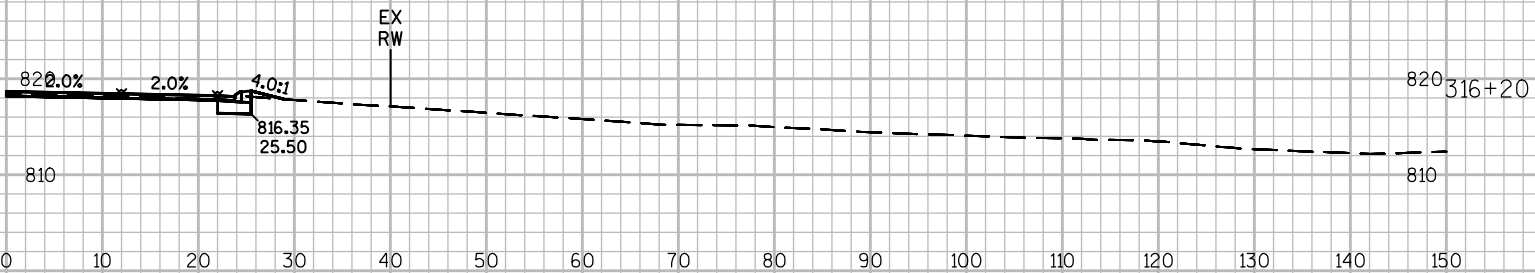
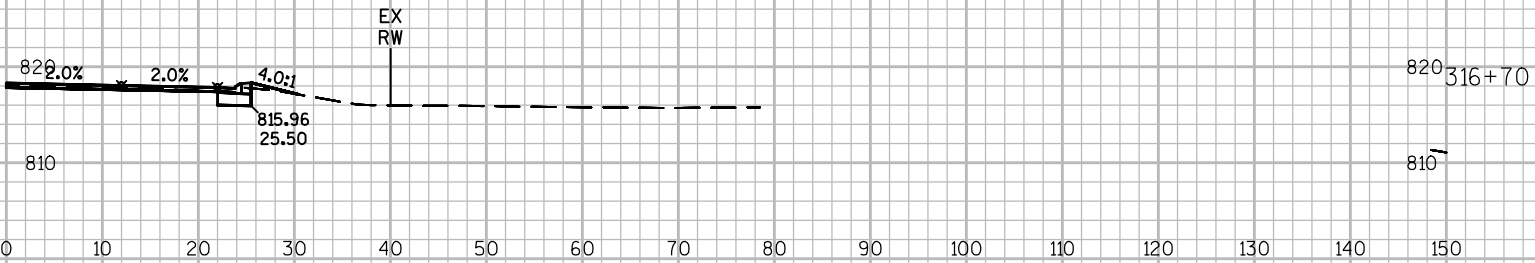
CROSS SECTIONS: STH 54

SHEET

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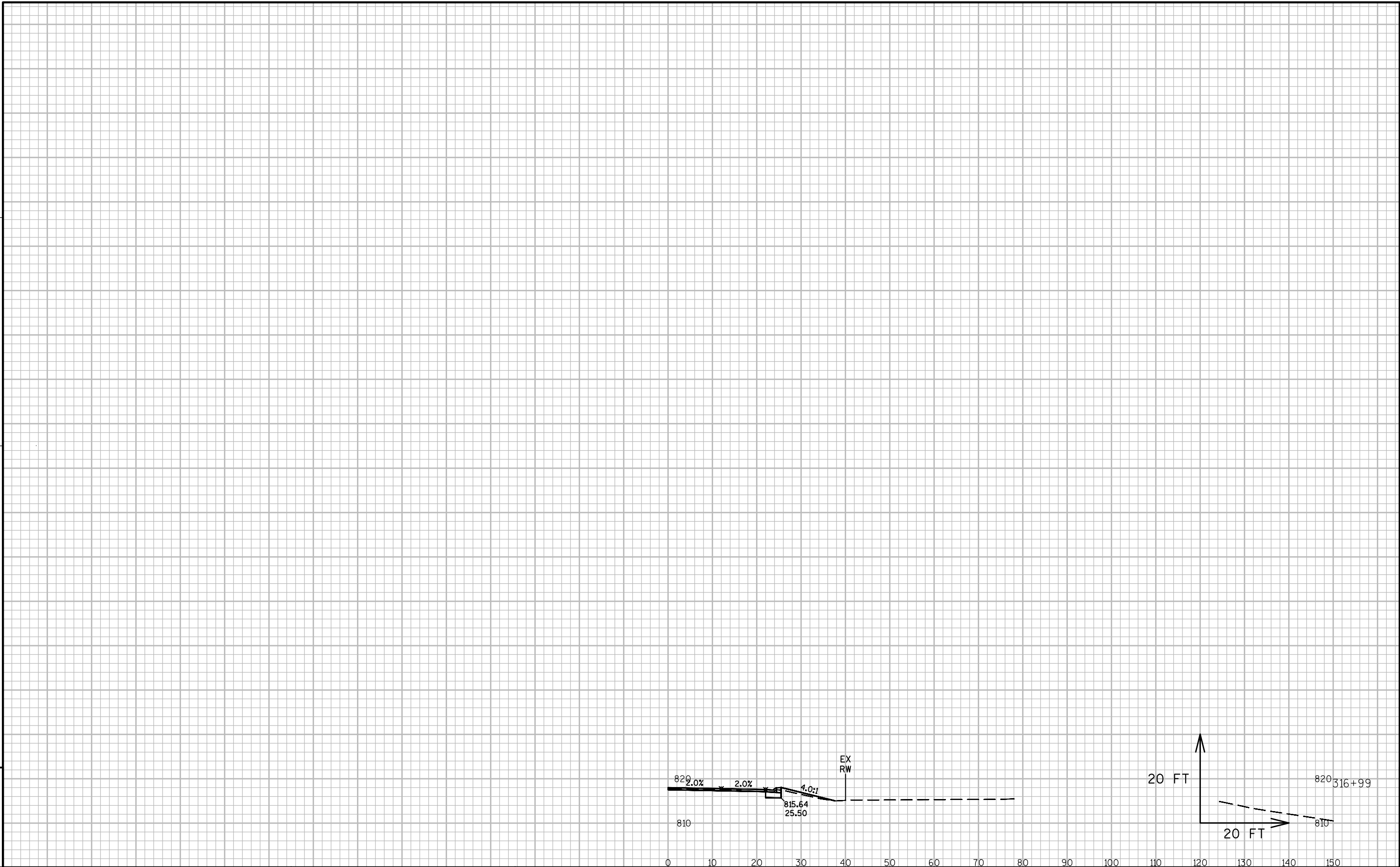


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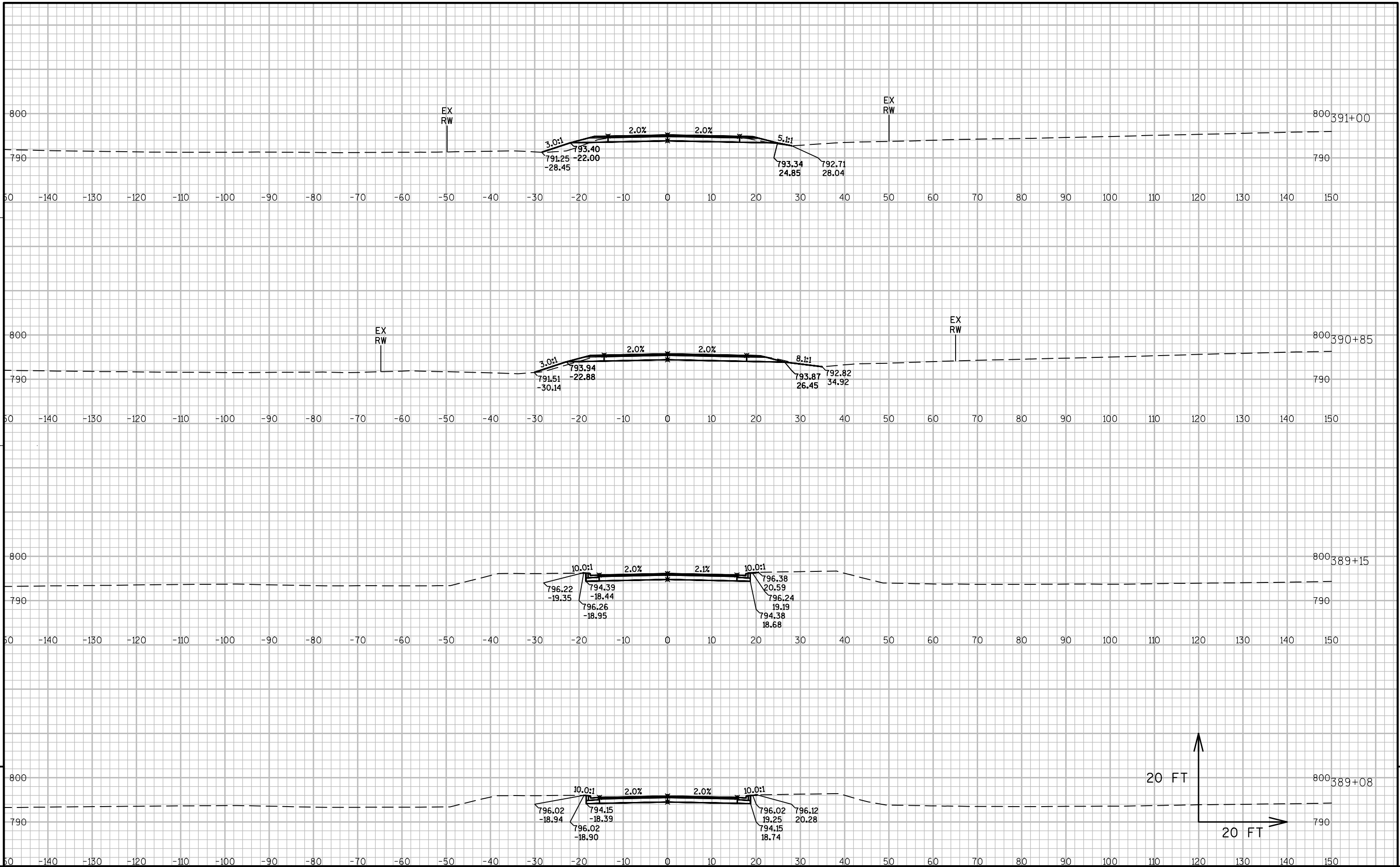


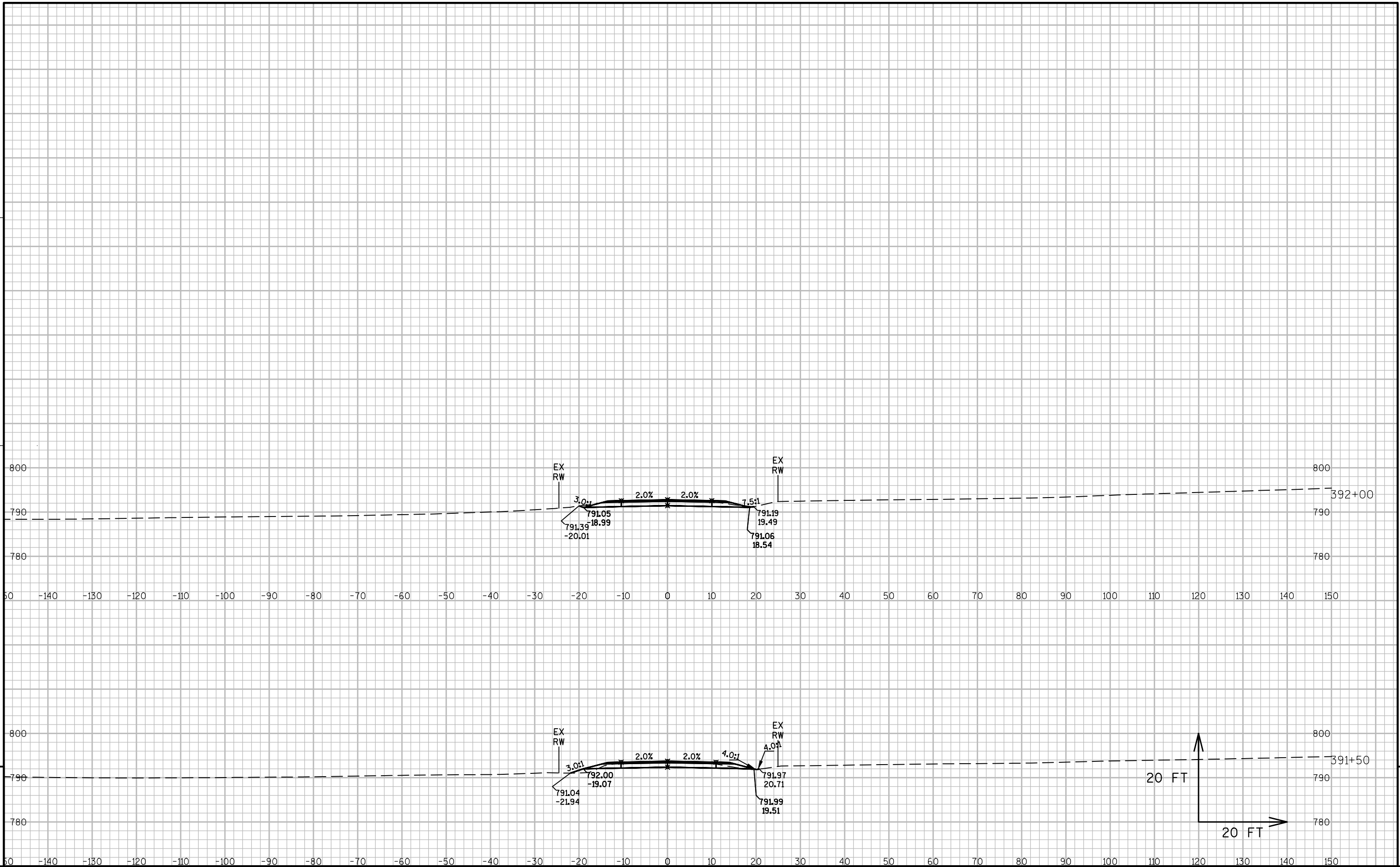
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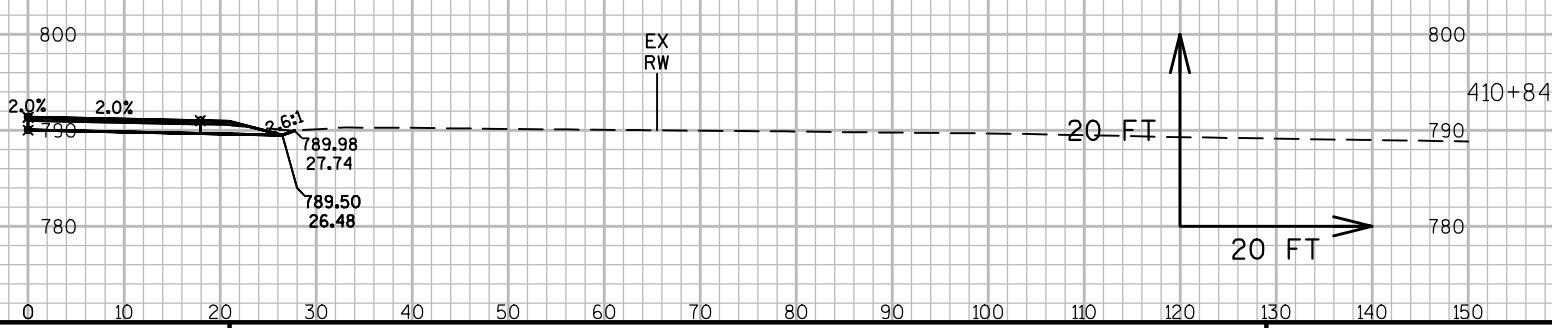
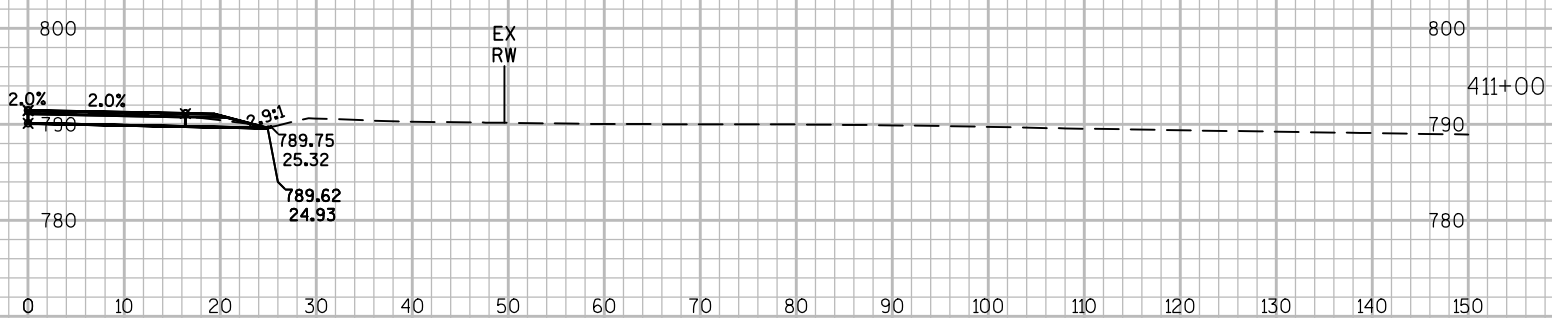
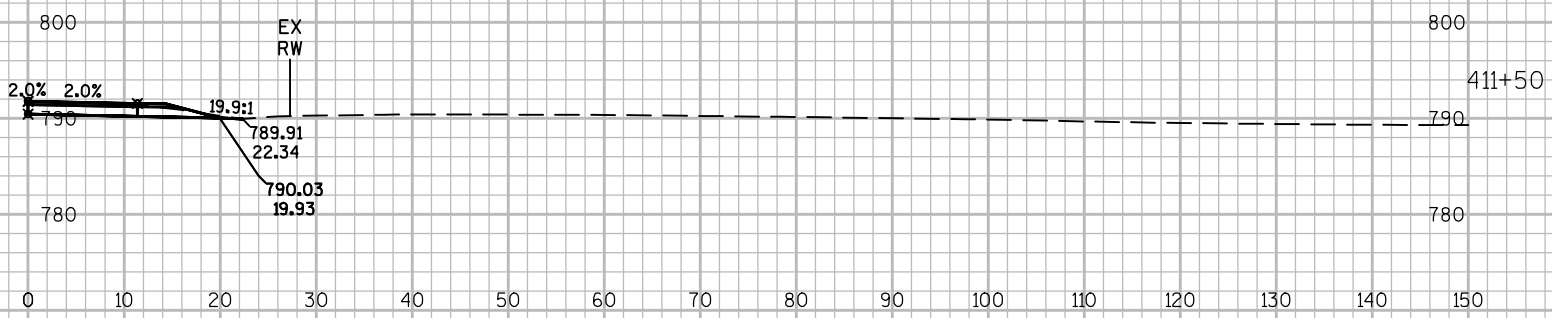


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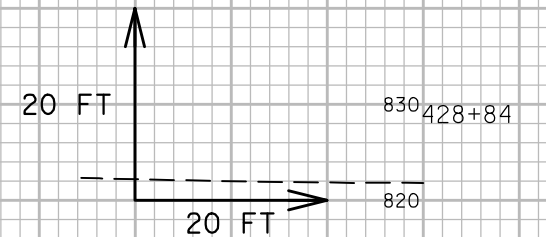
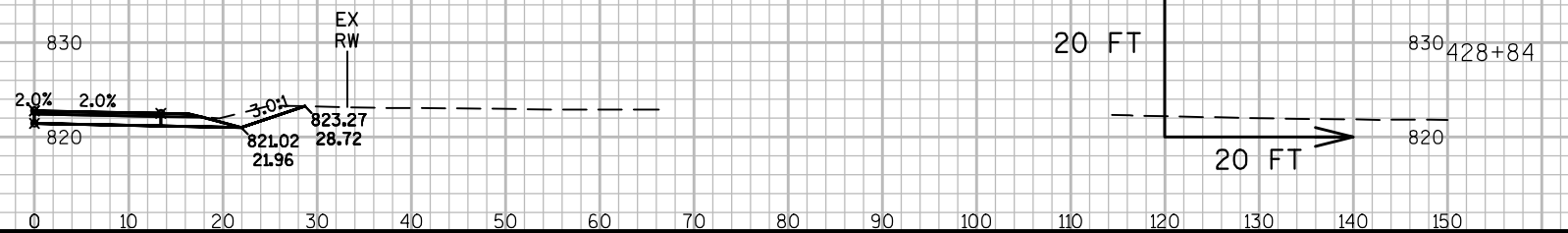
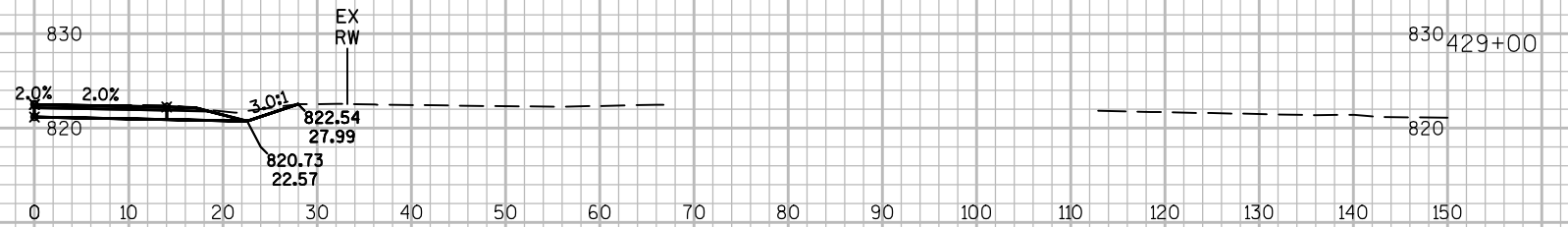
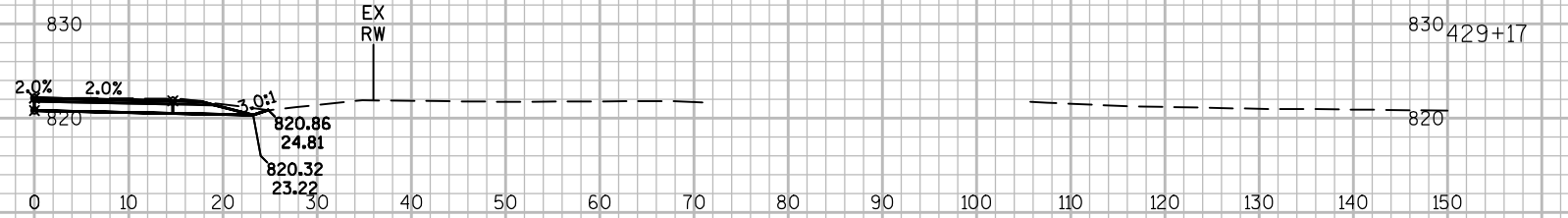


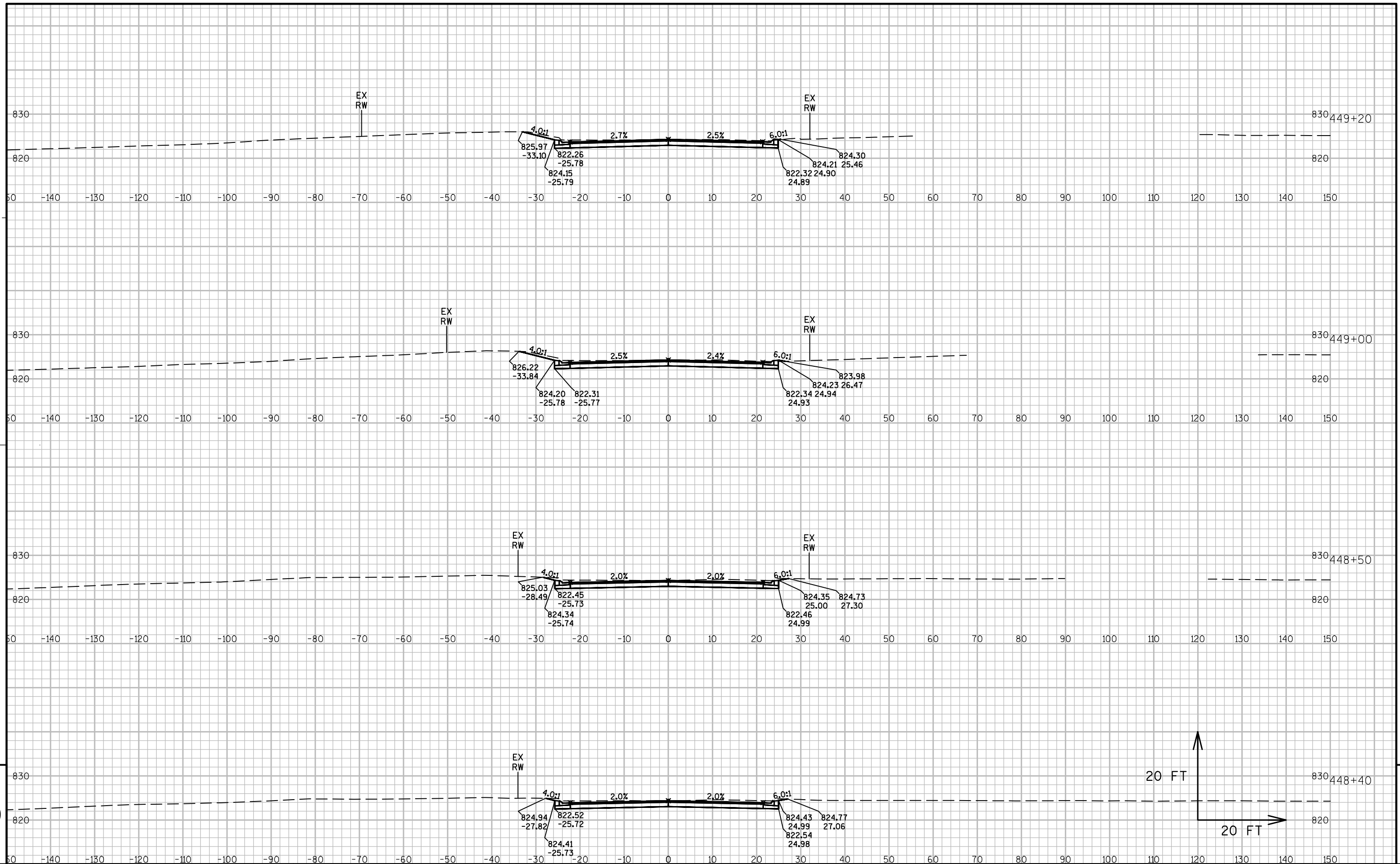


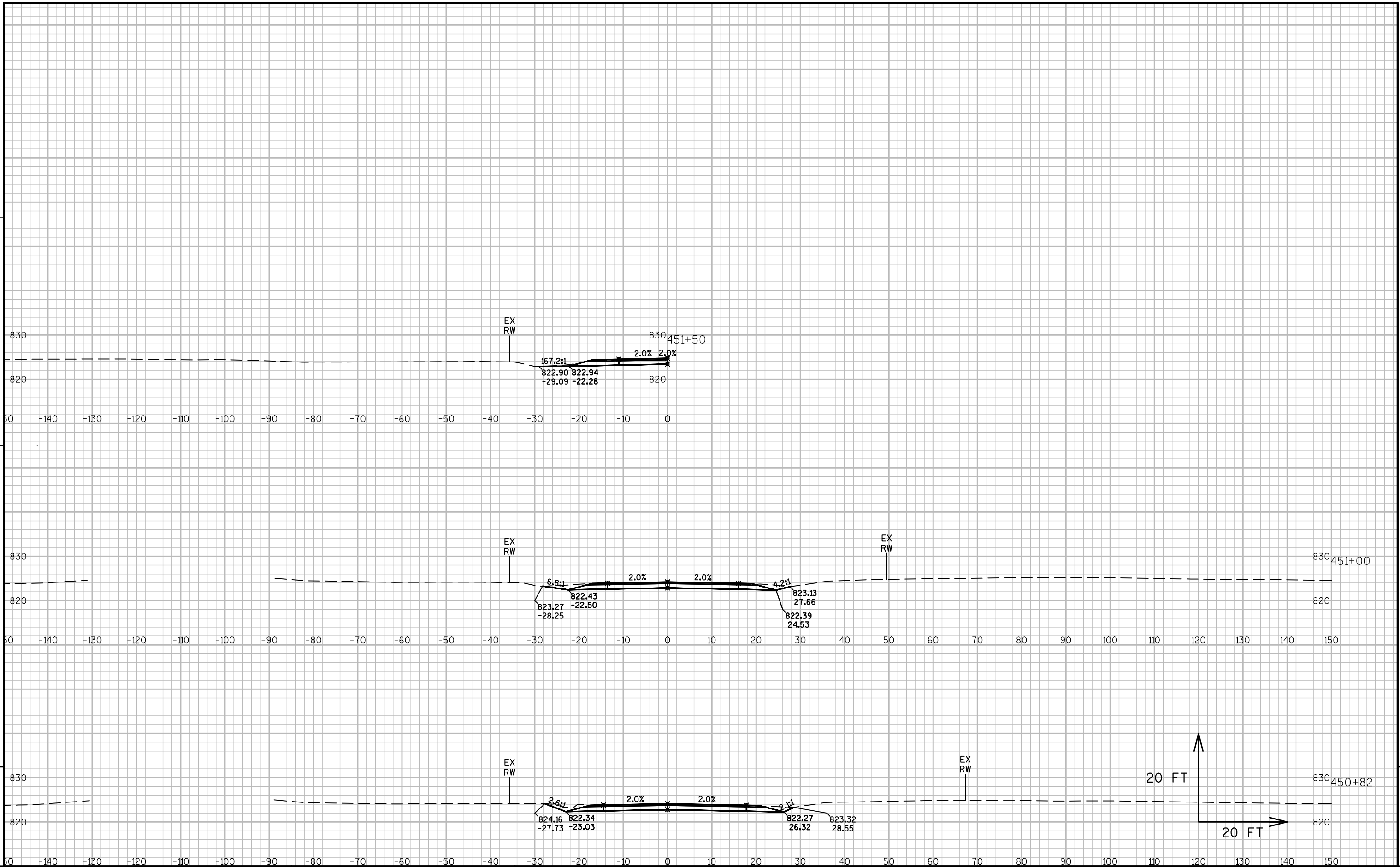
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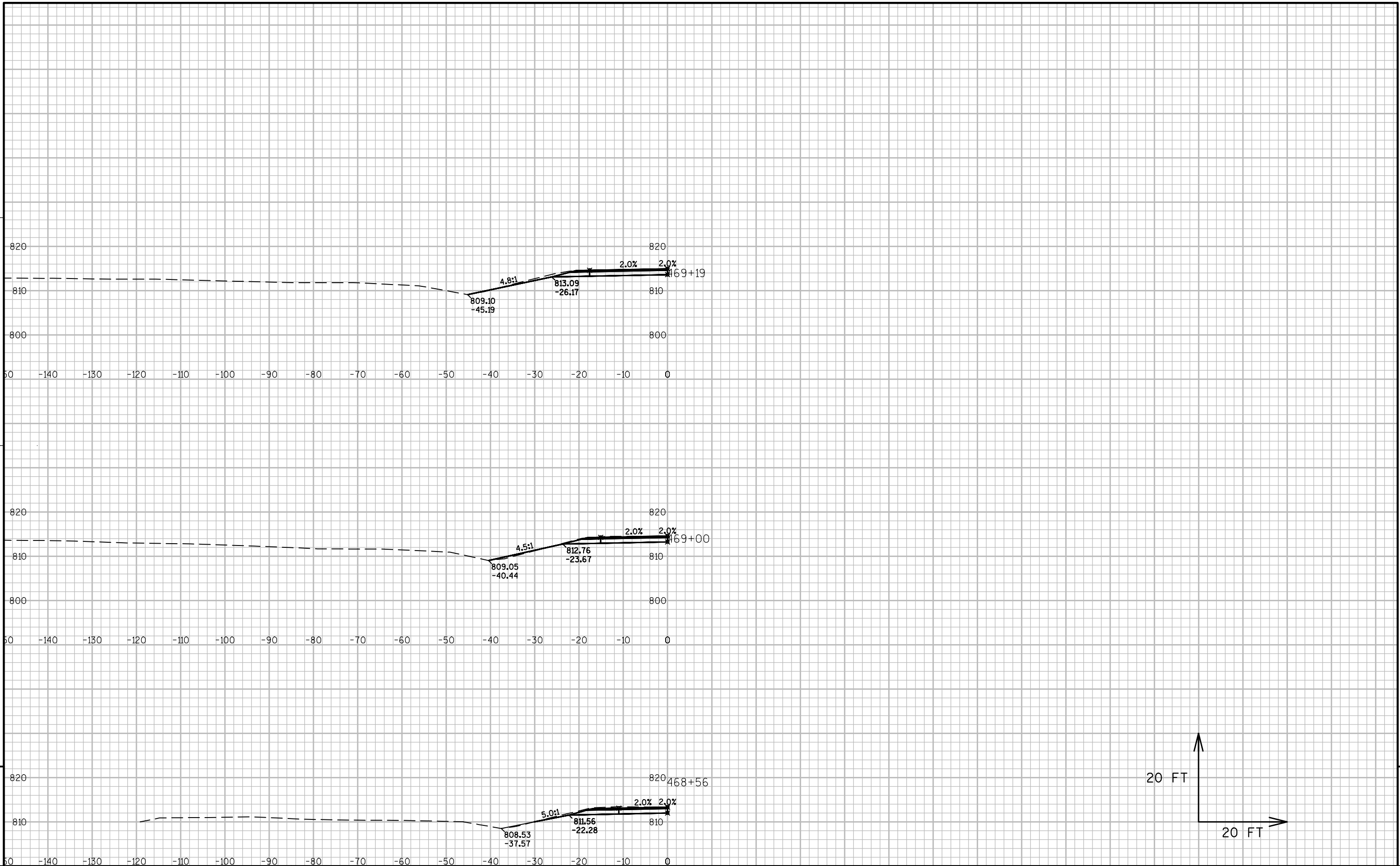


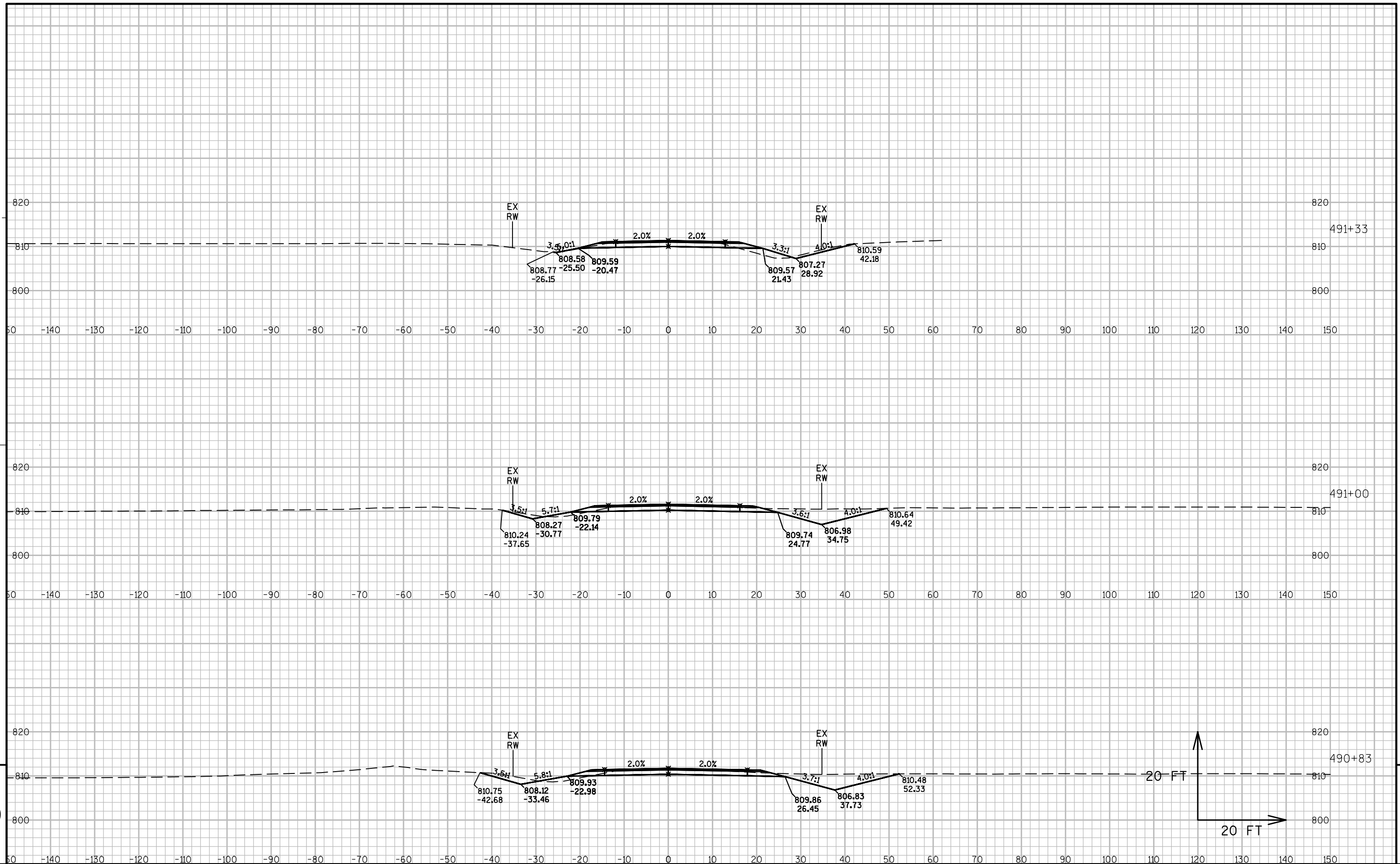
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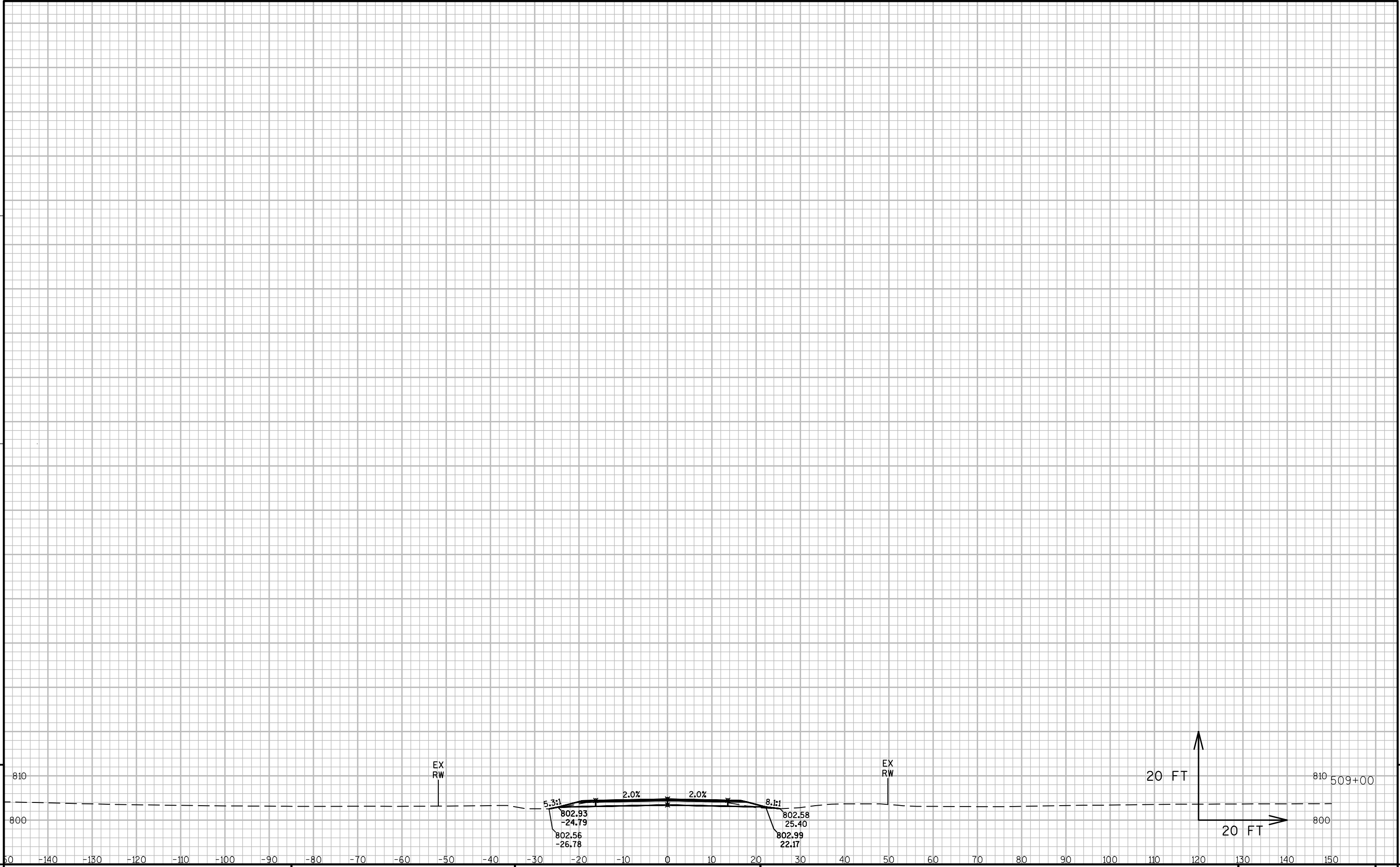






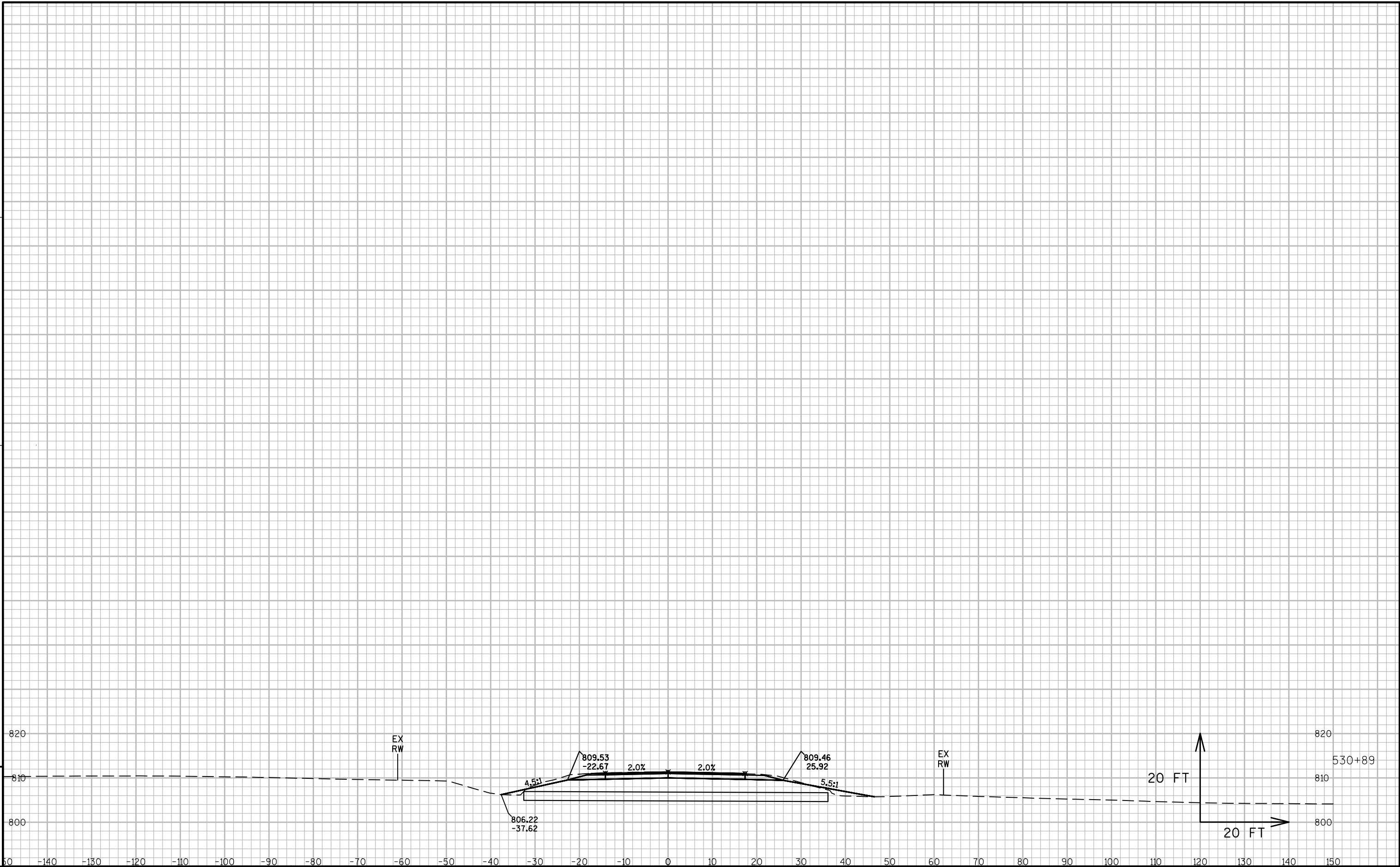




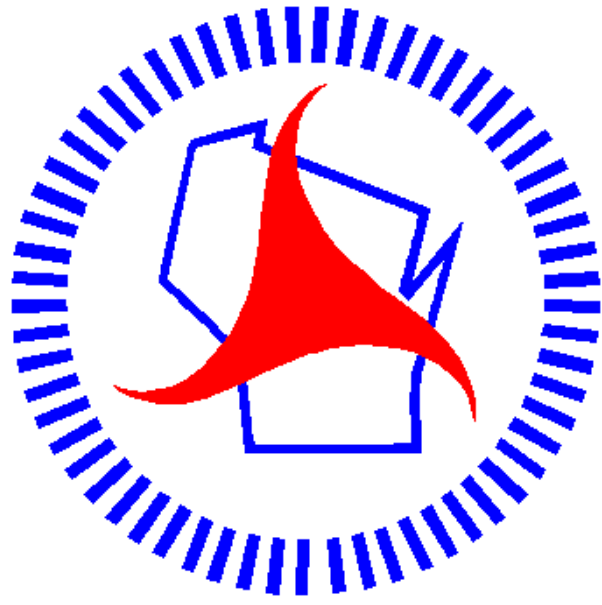


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Notes



Wisconsin Department of Transportation

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