

LAX

PROJECT ID: 5122-02-61

WITH:

COUNTY: MONROE

JUNE 2014

ORDER OF SHEETS

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

TOTAL SHEETS = 118



DESIGN DESIGNATION

A.A.D.T.	2011	=	1500
A.A.D.T.	2035	=	2000
D.H.V.		=	258
D.D.		=	60/40
T.		=	10.4
DESIGN SPEED		=	55 MPH
ESALS		=	500,000

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LA CROSSE - CASHTON

LA CROSSE CO LINE TO STH 27

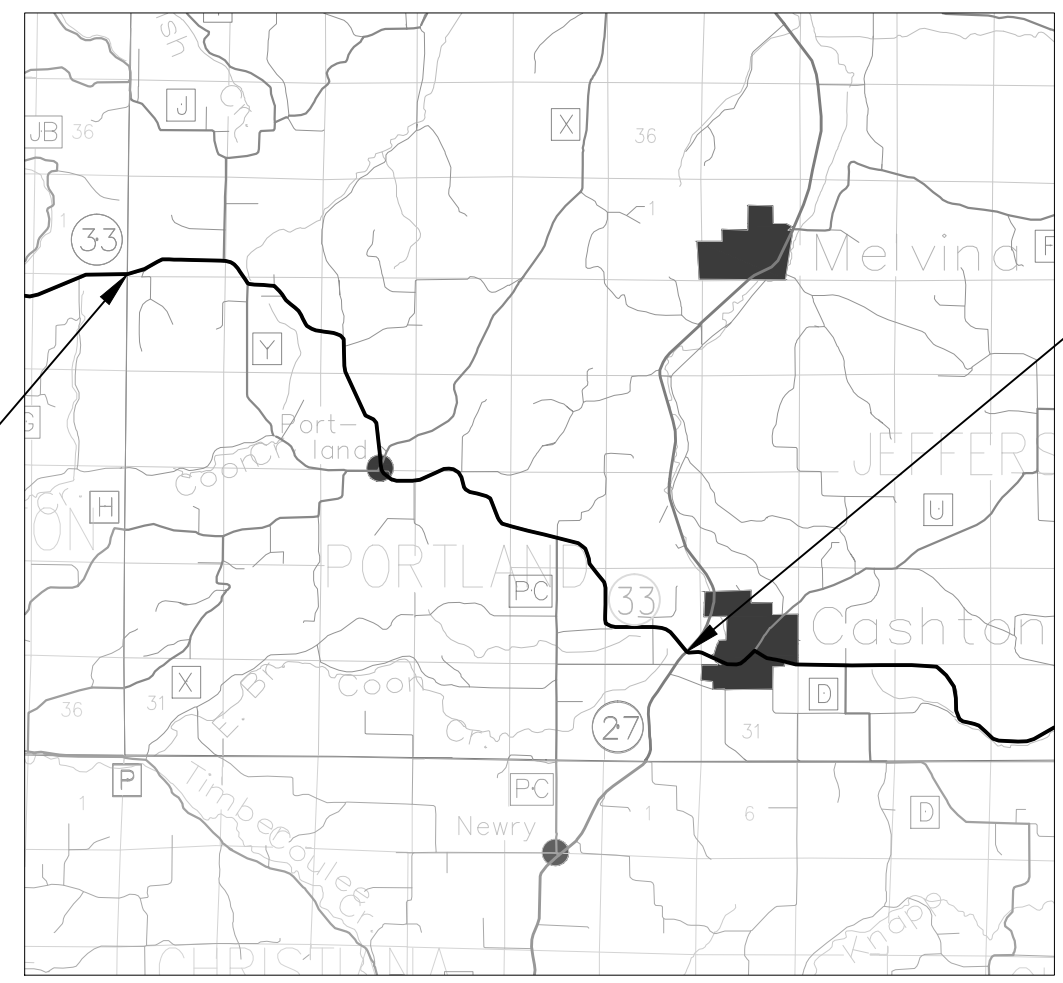
STH 33

MONROE COUNTY

STATE PROJECT NUMBER
5122-02-61

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5122-02-61		

BEGIN PROJECT 5122-02-61
STA 1035+57



END PROJECT 5122-02-61
STA 1483+52

LAYOUT
SCALE 0 1 MI.
TOTAL NET LENGTH OF CENTERLINE = 8.484 MI.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	WISDOT
Designer	TRAVIS MIKSHOWSKY
Project Manager	TONY VANDER WIELEN
Regional Examiner	MIKE RUD
Regional Supervisor	JOE GREGAS
APPROVED FOR THE DEPARTMENT	
DATE: 1-27-2014	(Signature)

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GENERAL NOTES

- THERE ARE UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLAN. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE ARE MEMBERS OF DIGGERS HOTLINE.
- WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IN THE PERFORMANCE OF THE WORK UNDER THE ITEM "MULCHING", ALL AREAS SEEDED AND FERTILIZED SHALL BE MULCHED AS DIRECTED BY THE ENGINEER.
- THE EXACT LOCATION OF PRIVATE AND FIELD ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- ASPHALT MATERIAL FOR PLANT MIXES HAS BEEN ESTIMATED AT 5.5% OF THE HMA PAVEMENT.
- WHEN THE QUANTITIES OF HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OF THICKNESS OF THE MATERIAL THAT IS SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER
- HMA PAVEMENT TYPE E-1 WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.
- THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, PASSING, OR PARKING LANE.
- THE EXISTING SUPERELEVATIONS SHALL BE USED AND THE PAVEMENT SHALL BE MILLED 2" AND HAVE A NEW 2" HMA PAVEMENT TYPE E-1 PLACED.
- SAW CUTS SHALL BE MARKED OUT BY THE ENGINEER IN THE FIELD
- THE EXISTING SIDEROADS AND INTERSECTIONS RADII SHALL BE REPLACED TO MATCH THE EXISTING PAVEMENT.
- ALL P.E.'S SHALL BE REPLACED IN KIND. (AGGREGATE OR ASPHALT)
- THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL CONFIRM THE LOCATION OF EROSION CONTROL ITEMS. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. AT THAT TIME, THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION CONTROL ITEM INCIDENTAL TO THE COST OF THE RESPECTIVE BID ITEM

DNR CONTACT

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STANDARD ABBREVIATIONS

AC.	ACRE	MAX.	MAXIMUM
AGG.	AGGREGATE	MGAL	1000 GALLONS
AH	AHEAD	MIN.	MINIMUM
<	ANGLE	N. C.	NORMAL CROWN OR NO CHANGE
AE, AEW	APRON ENDWALL	N	NORTH
ASPH.	ASPHALTIC	NO.	NUMBER
A. D. T.	AVERAGE DAILY TRAFFIC	PAV'T	PAVEMENT
B. F.	BACK FACE	P. L. E.	PERMANENT LIMITED EASEMENT
BK.	BACK	P. C.	POINT OF CURVATURE
BEG.	BEGIN	P. I.	POINT OF INTERSECTION
B. M	BENCH MARK	P. T.	POINT OF TANGENCY
C/L	CENTER LINE	V. P. C.	VERTICAL POINT OF CURVATURE
D	CENTRAL ANGLE OR DELTA	V. P. I.	VERTICAL POINT OF INTERSECTION
C. M. C. P.	CORRUGATED METAL CULVERT PIPE	V. P. T.	VERTICAL POINT OF TANGENCY
C. M. P.	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CO.	COUNTY	P. E.	PRIVATE ENTRANCE
CTH	COUNTY TRUNK HIGHWAY	P. L.	PROPERTY LINE
CR.	CREEK	R	RADIUS OR RANGE
C. A. B. C.	CRUSHED AGGREGATE BASE COURSE	R/L	REFERENCE LINE
C. Y.	CUBIC YARD	R. C. C. P.	REINFORCED CONCRETE CULVERT PIPE
C. P.	CULVERT PIPE	RT	RIGHT
C. & G.	CURB AND GUTTER	REQ'D	REQUIRED
D	DEGREE OF CURVE	R. H. F.	RIGHT HAND FORWARD
D. H. V.	DESIGN HOUR VOLUME	R/W	RIGHT OF WAY
DIA.	DIAMETER	R.	RIVER
DISCH.	DISCHARGE	RD.	ROAD
EA	EACH	SHLD.	SHOULDER(S)
E	EAST	SHR.	SHRINKAGE
ELEC.	ELECTRIC(AL), ELEC. CABLE	S	SOUTH
EL., ELEV.	ELEVATION	S. F.	SQUARE FOOT (FEET)
EXC.	EXCAVATION	SDD	STANDARD DETAIL DRAWING(S)
F. F.	FACE TO FACE	STH	STATE TRUNK HIGHWAY
FERT.	FERTILIZER	STA.	STATION
F. E.	FIELD ENTRANCE	S. E.	SUPERELEVATION
F/L, F. L.	FLOW LINE	S/L	SURVEY LINE
CWT.	HUNDRED WEIGHT	T	TANGENT
INL	INLET	TEL.	TELEPHONE
INTER.	INTERSECTION	TEMP.	TEMPORARY
JT.	JOINT	T. L. E.	TEMPORARY LIMITED EASEMENT
LT	LEFT	T. O. C.	TOP OF CURB
L. H. F.	LEFT HAND FORWARD	T.	(TRUCKS) PERCENT OF
L.	LENGTH OF CURVE	TYP.	TYPICAL
L. F.	LINEAR FOOT (FEET)	UNCL.	UNCLASSIFIED
LC.	LONG CHORD	U. G.	UNDERGROUND (CABLE)
LS	LUMP SUM	V. C.	VERTICAL CURVE
M. P.	MARKER POST	W	WEST

STATE PROJECT NO: 5122-02-61

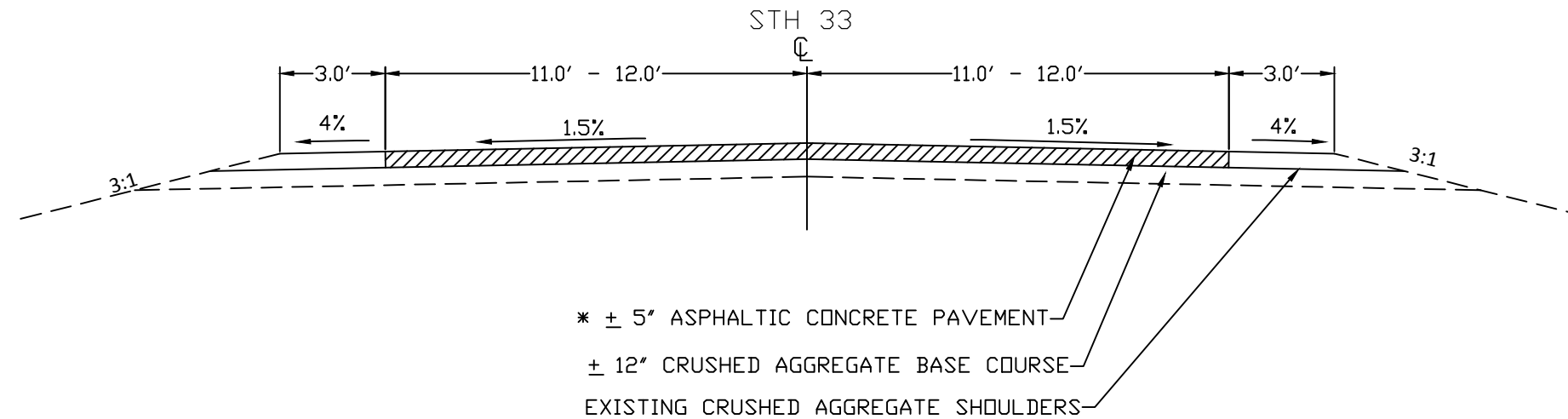
HWY: STH 33

COUNTY: MONROE

GENERAL NOTES

SHEET NO:

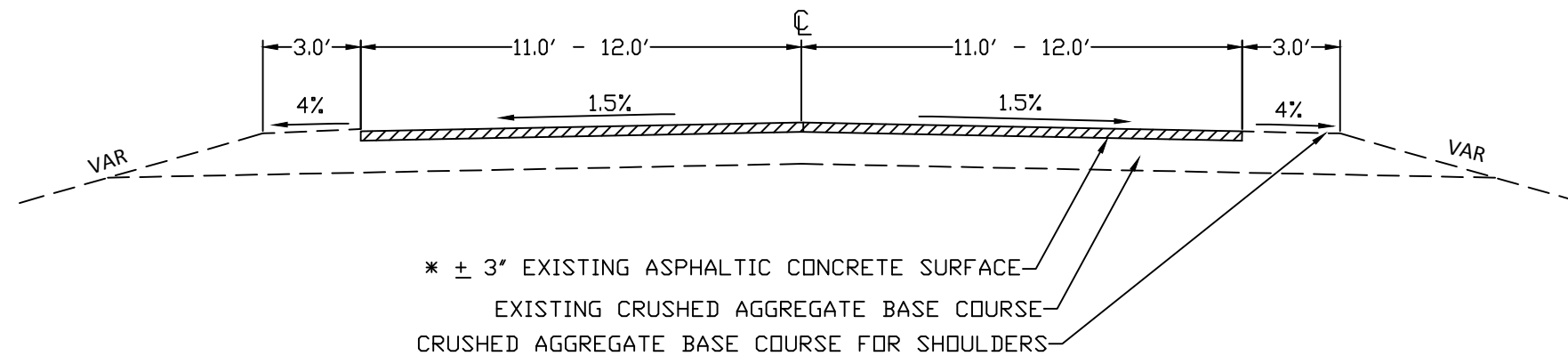
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TYPICAL EXISTING SECTION

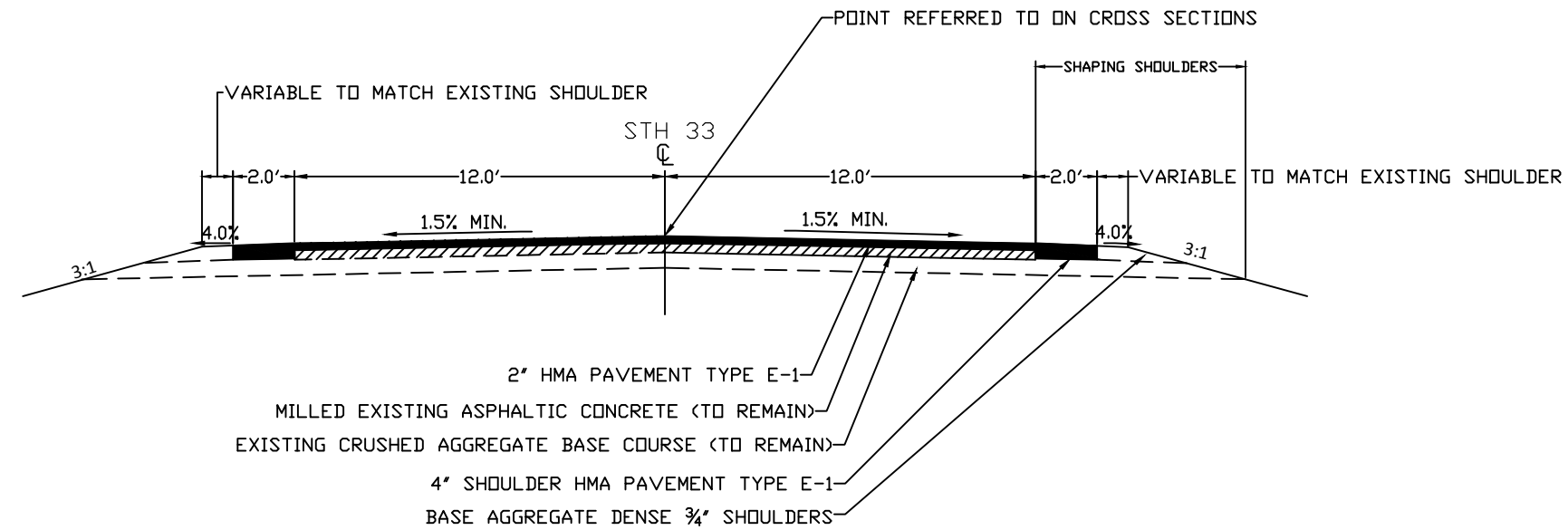
STA 1035+57 - STA 1483+52

* MILL EXISTING
ASPHALTIC CONCRETE 2"

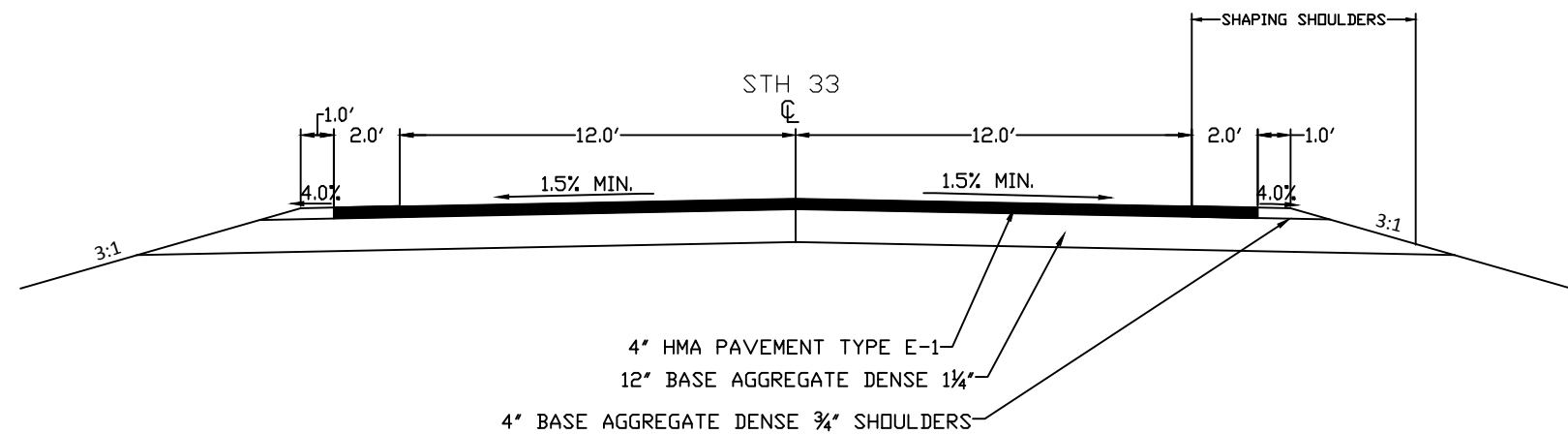


TYPICAL EXISTING SECTION

SIDERoads

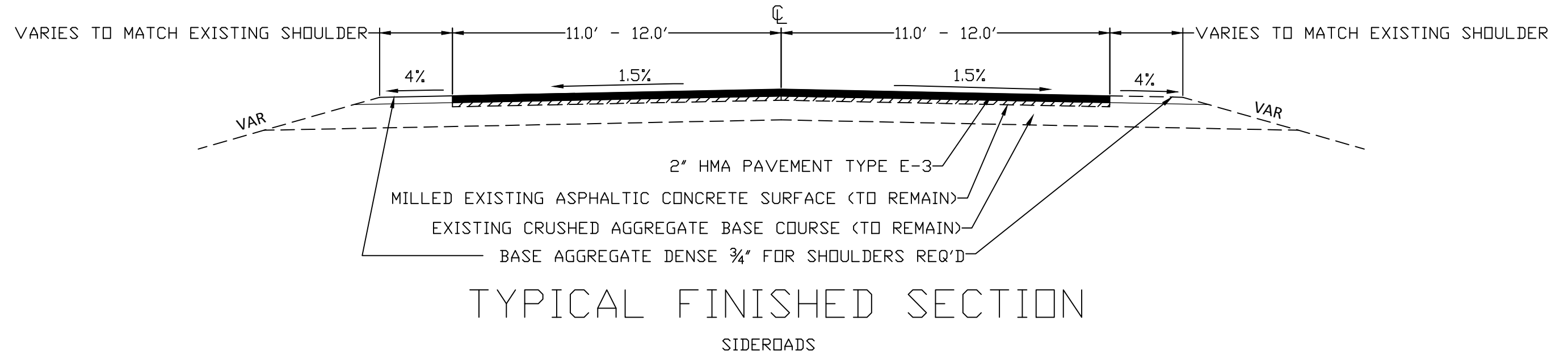


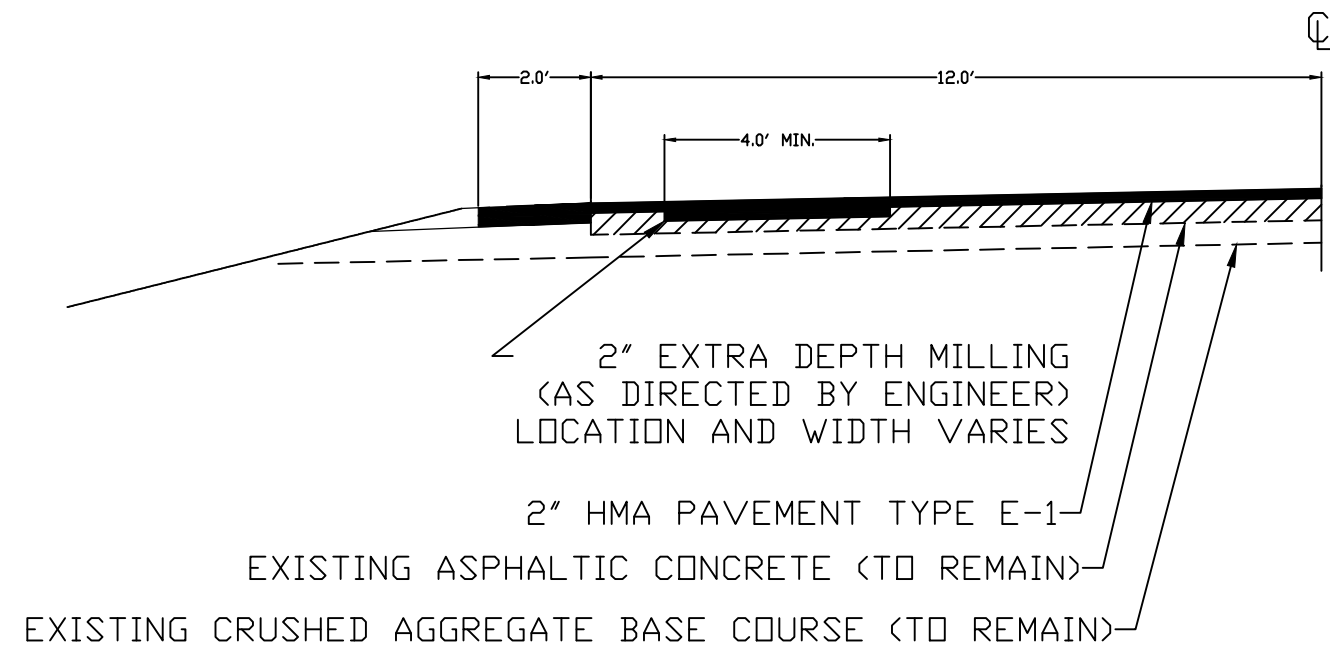
TYPICAL FINISHED SECTION
STA 1035+57 TO STA 1483+52



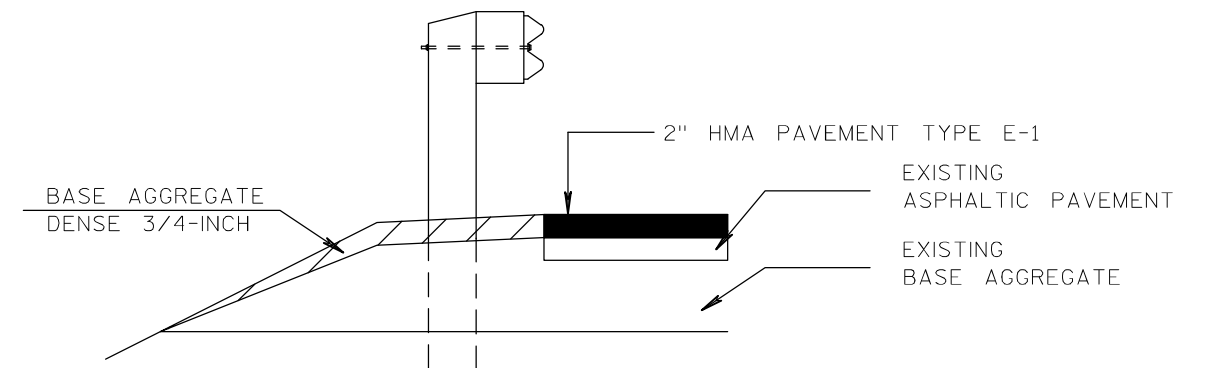
TYPICAL FINISHED SECTION OVER TOP OF NEW PIPE
OR REMOVED PIPE

STA 1054+74
STA 1103+63
STA 1150+70
STA 1171+13
STA 1307+33
STA 1426+70
STA 1447+91
STA 1470+30

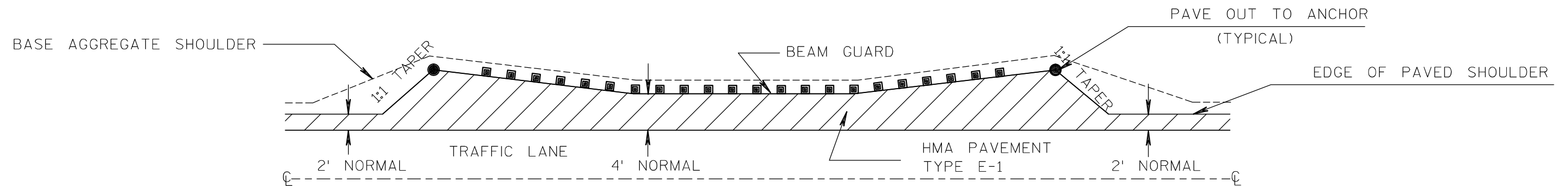




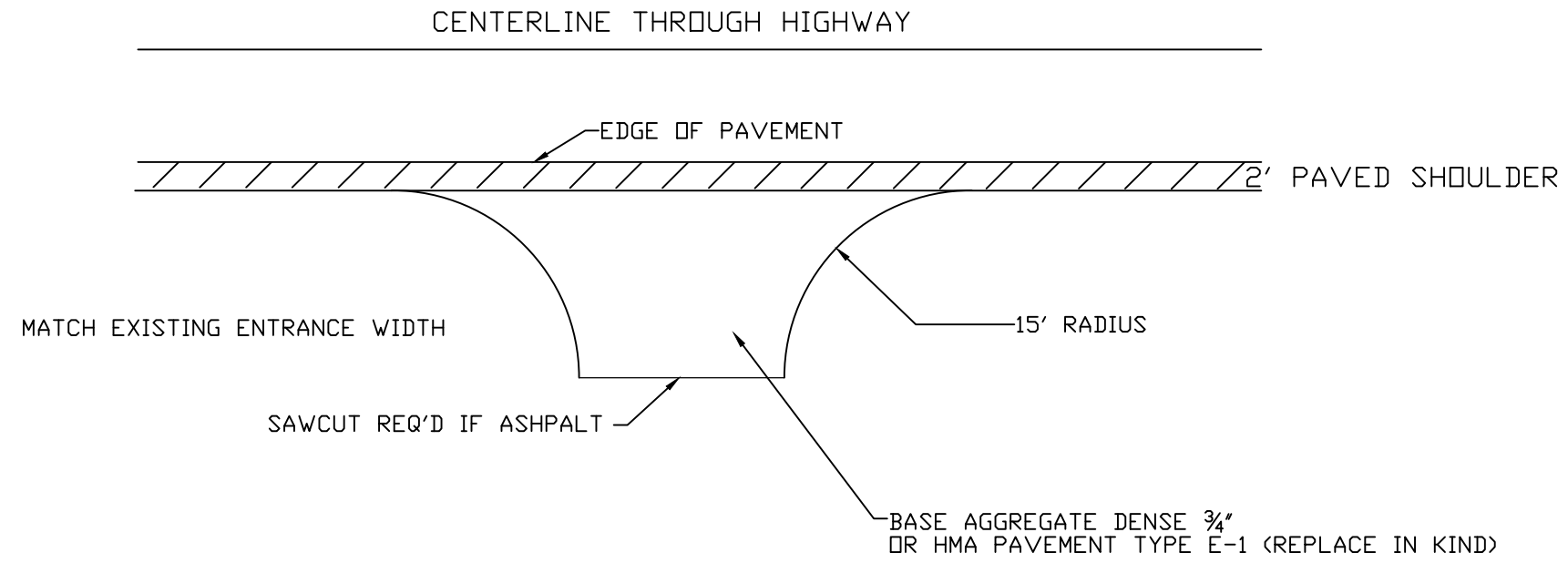
EXTRA DEPTH MILL AND FILL IN SPOT LOCATIONS



SHOULDER DETAIL AT GUARD RAIL

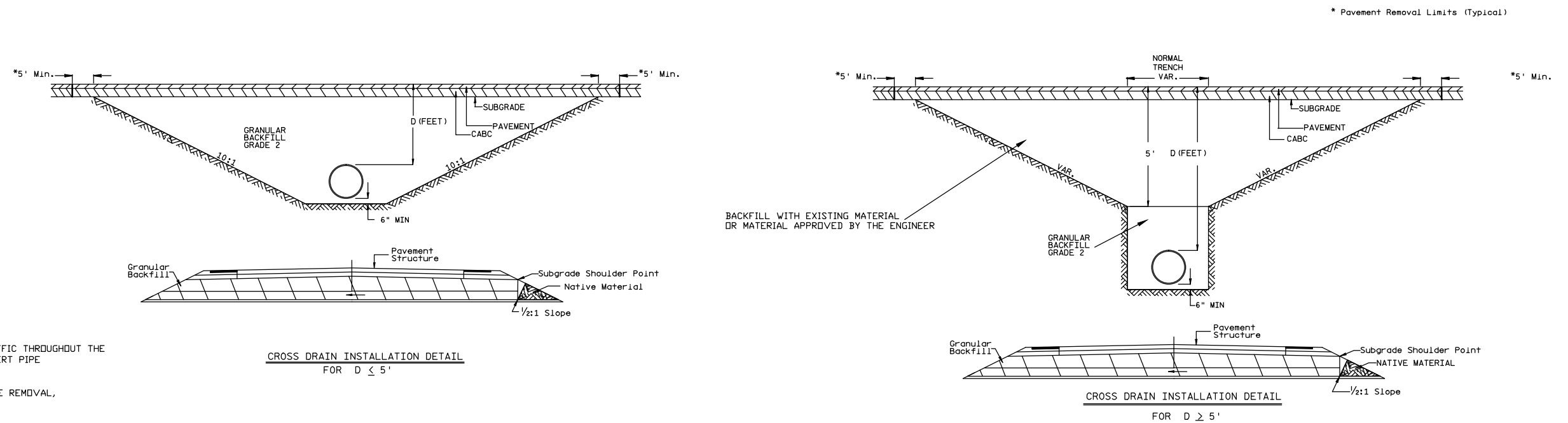


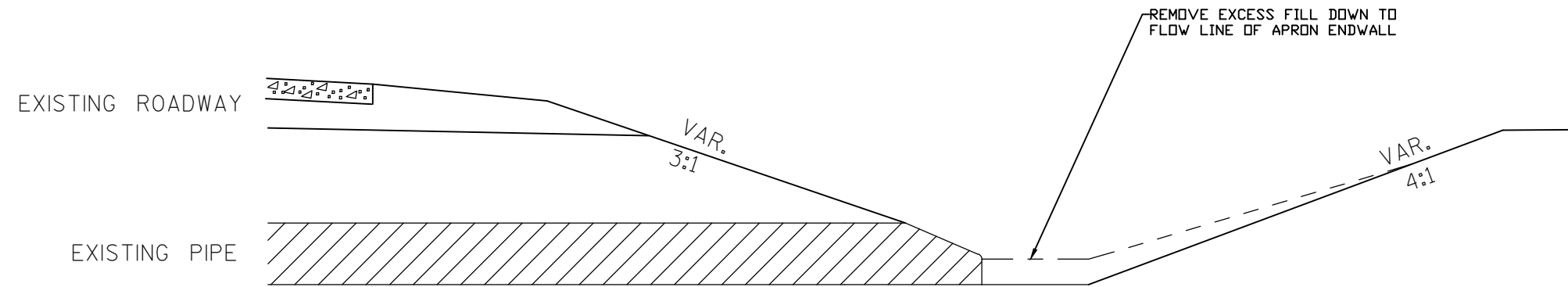
DETAIL FOR ASPHALTIC SHOULDER AT BEAM GUARD



NOTE: MILL EXISTING ASPHALT UNIFORM 2" INCHES

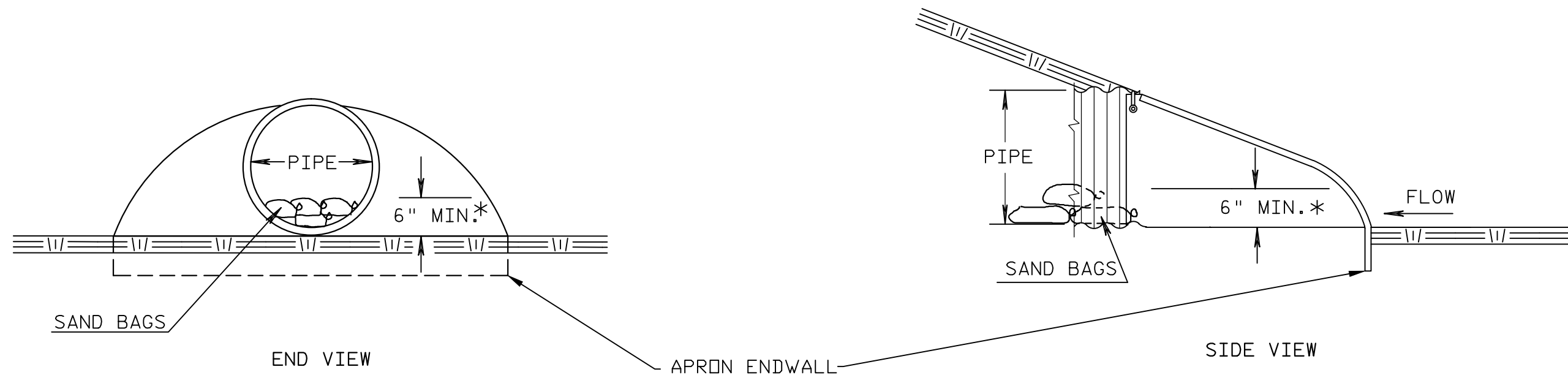
PRIVATE ENTRANCE DETAIL





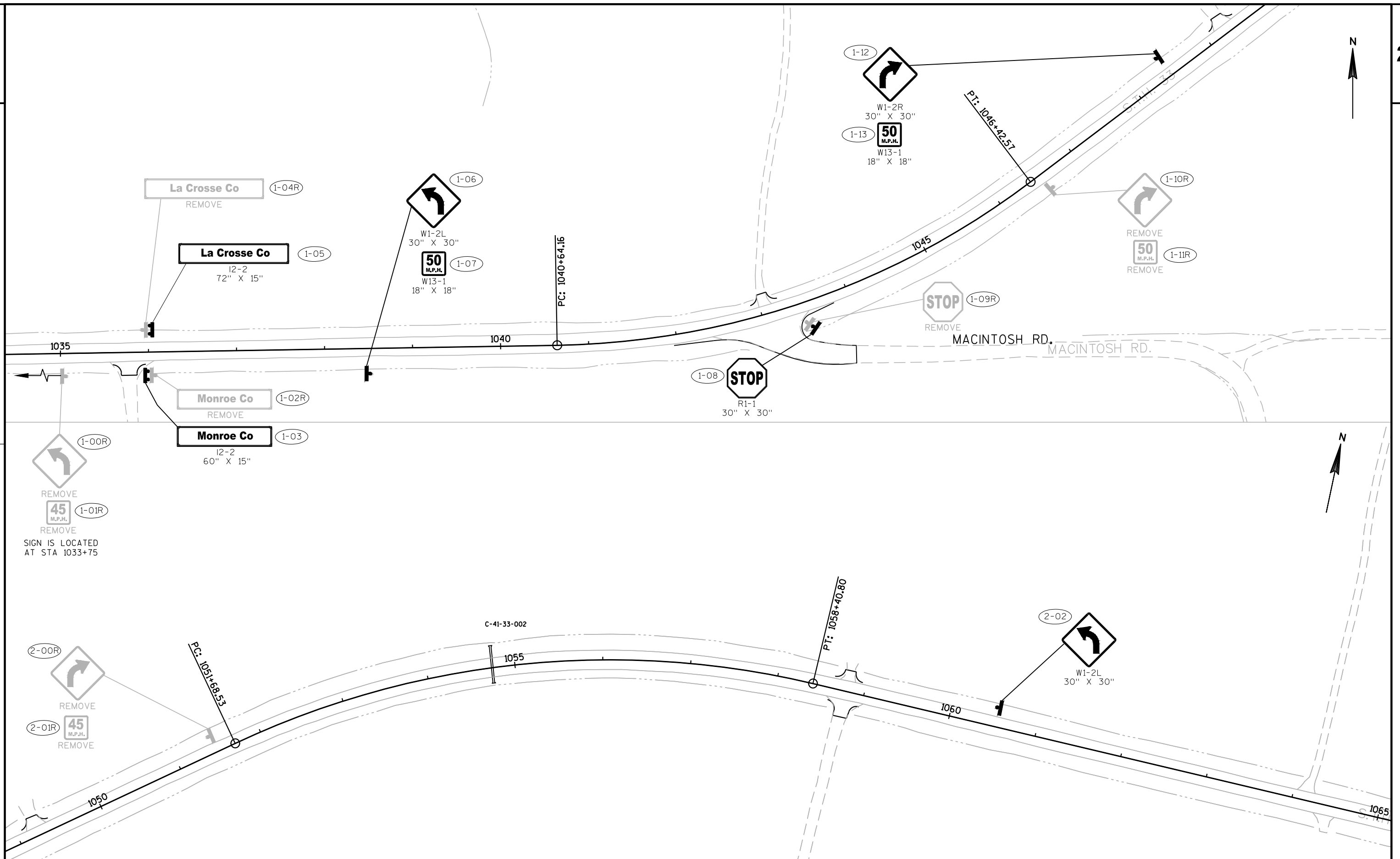
FINISHED DITCH CLEANING TYPICAL SECTION

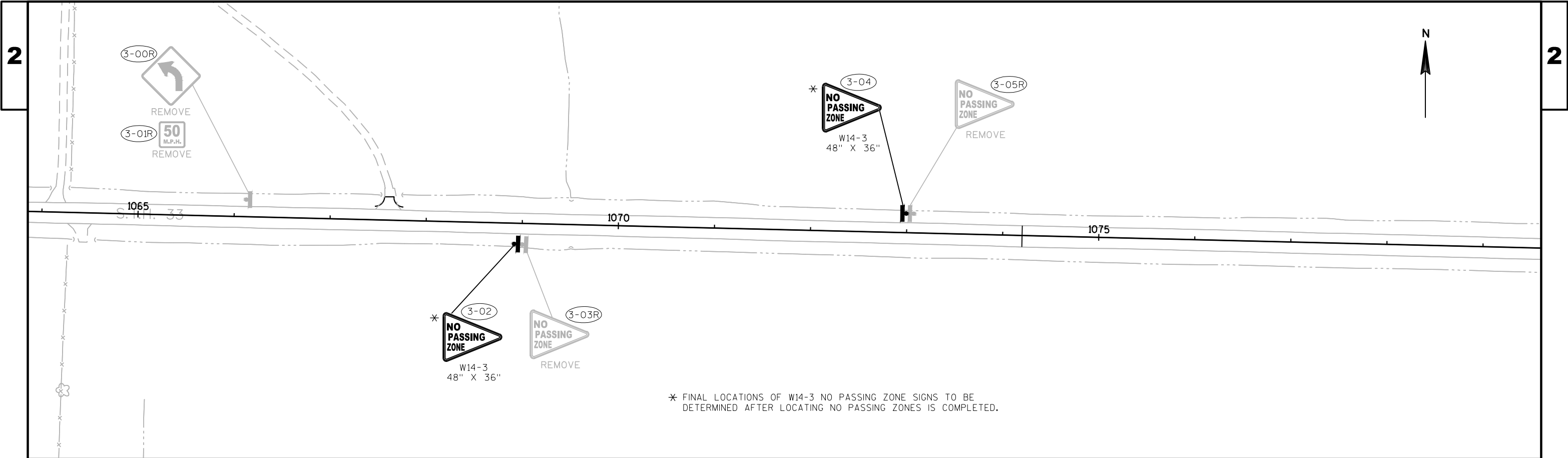
NOTE: MATCH EXISTING DITCH,
± 50' EITHER DIRECTION FROM
PIPE.



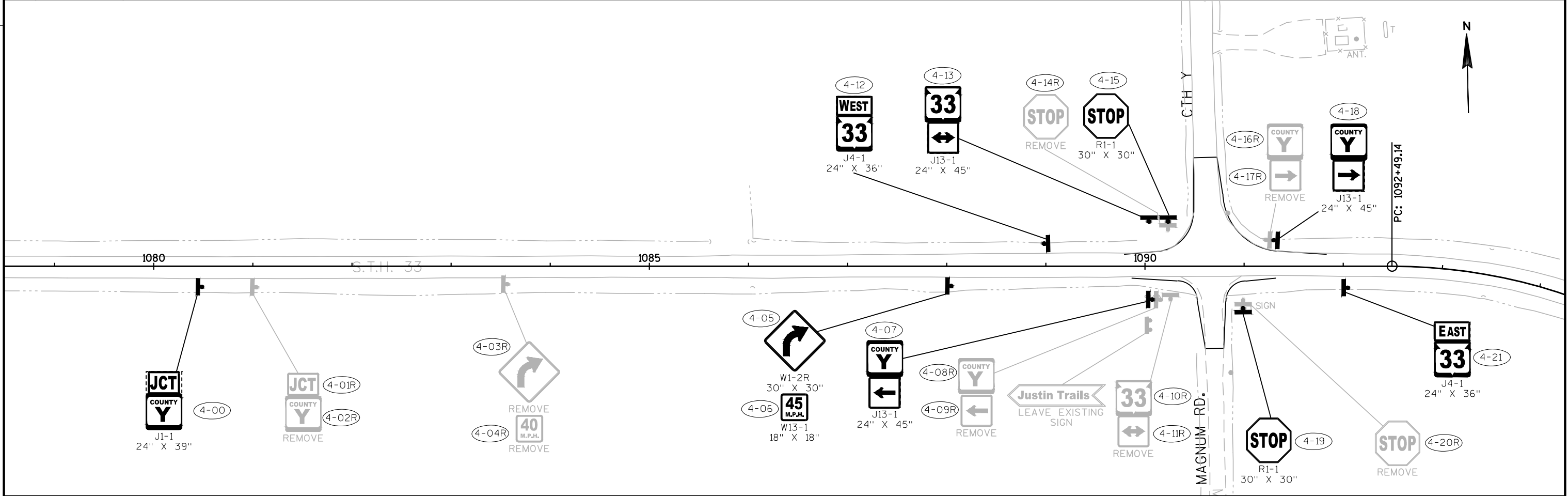
* OR AS DIRECTED
BY THE ENGINEER

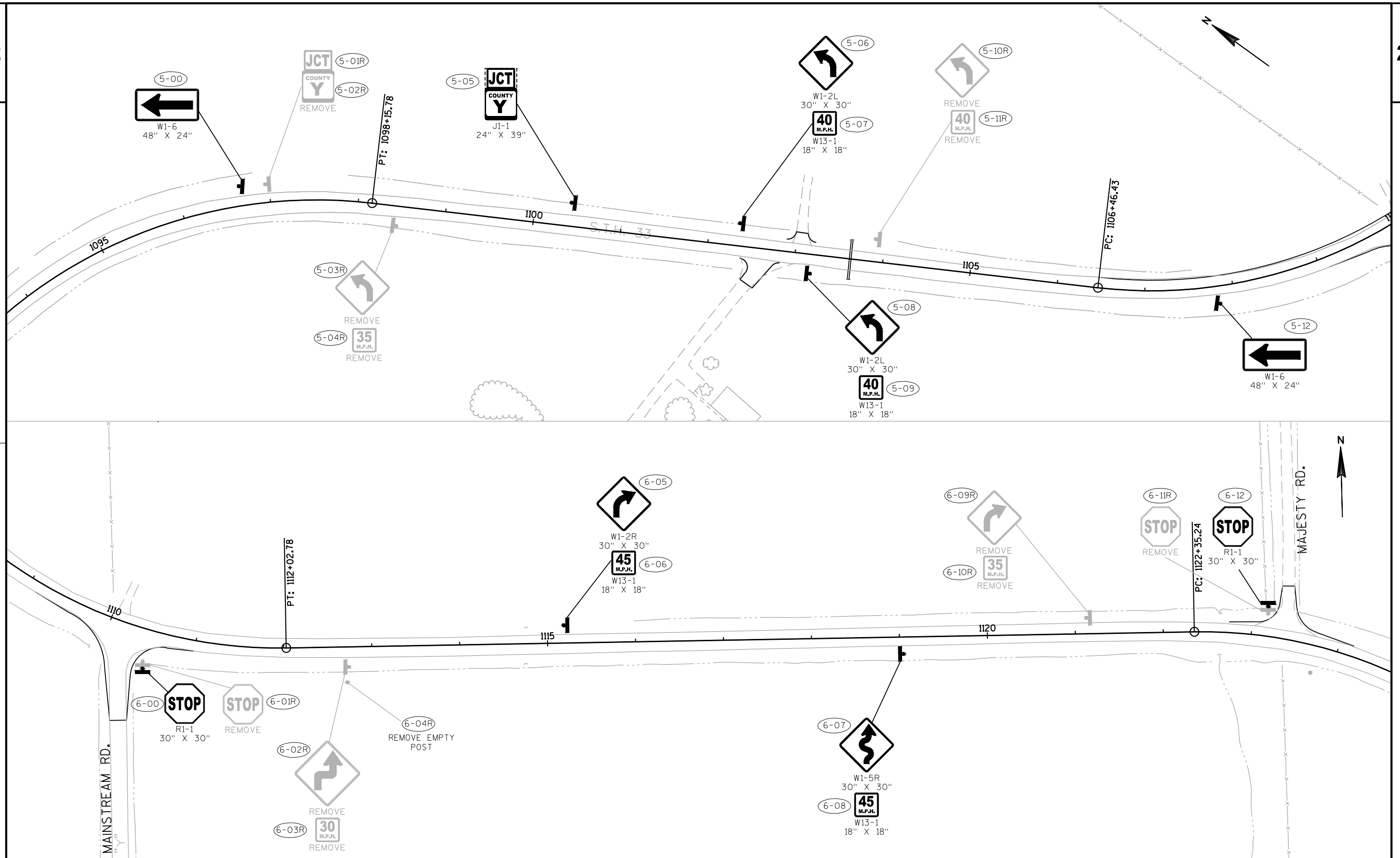
CULVERT PIPE CHECK

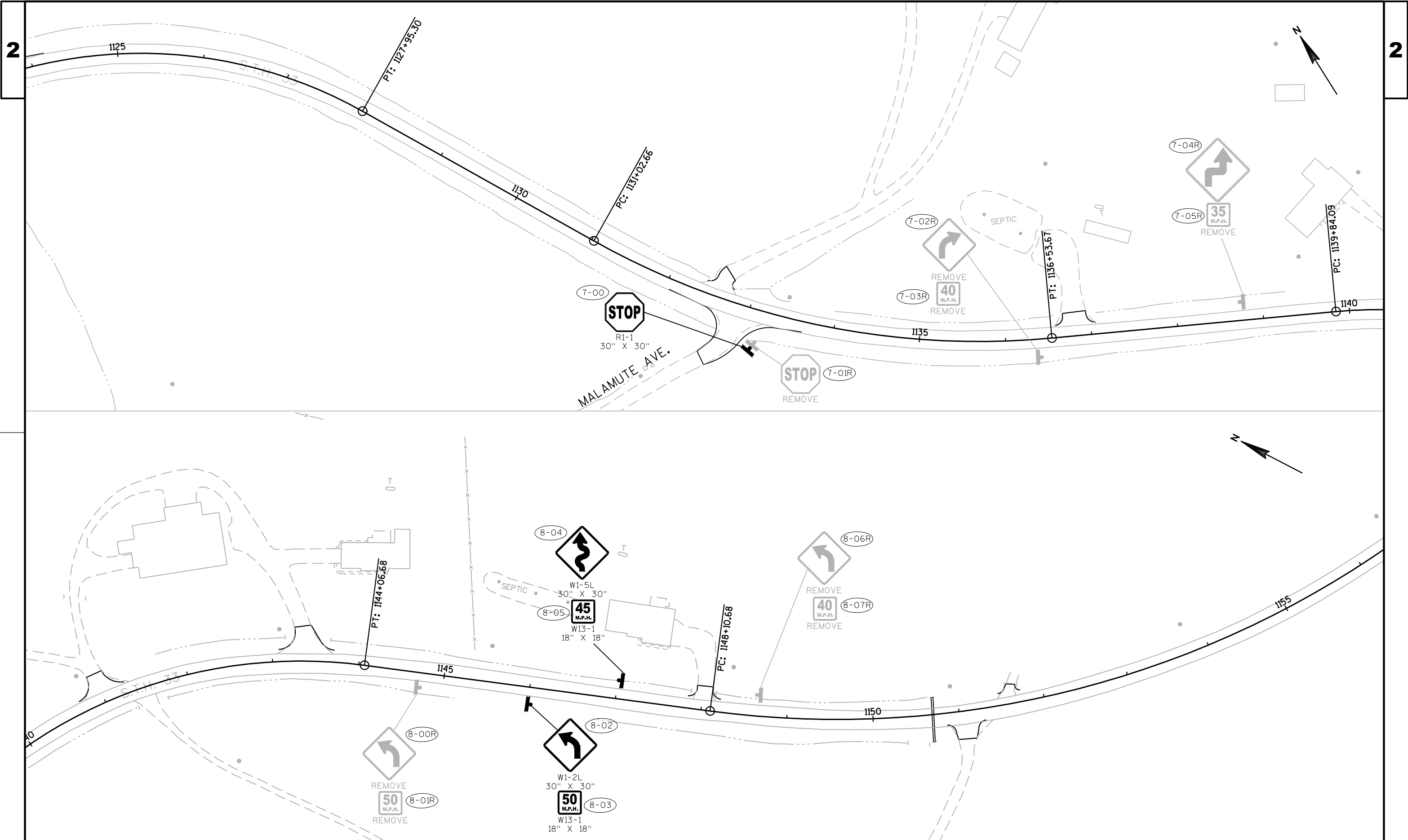


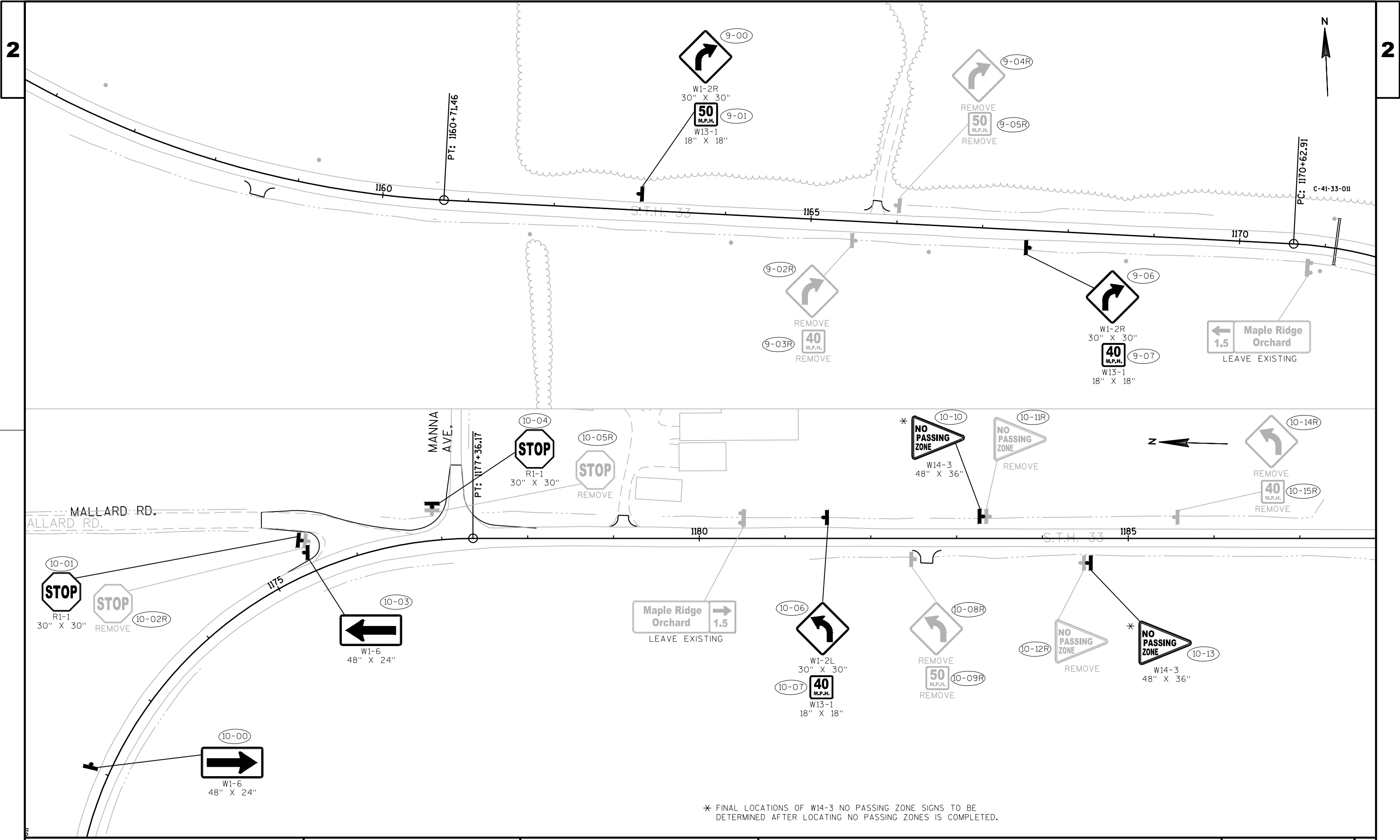


* FINAL LOCATIONS OF W14-3 NO PASSING ZONE SIGNS TO BE DETERMINED AFTER LOCATING NO PASSING ZONES IS COMPLETED.

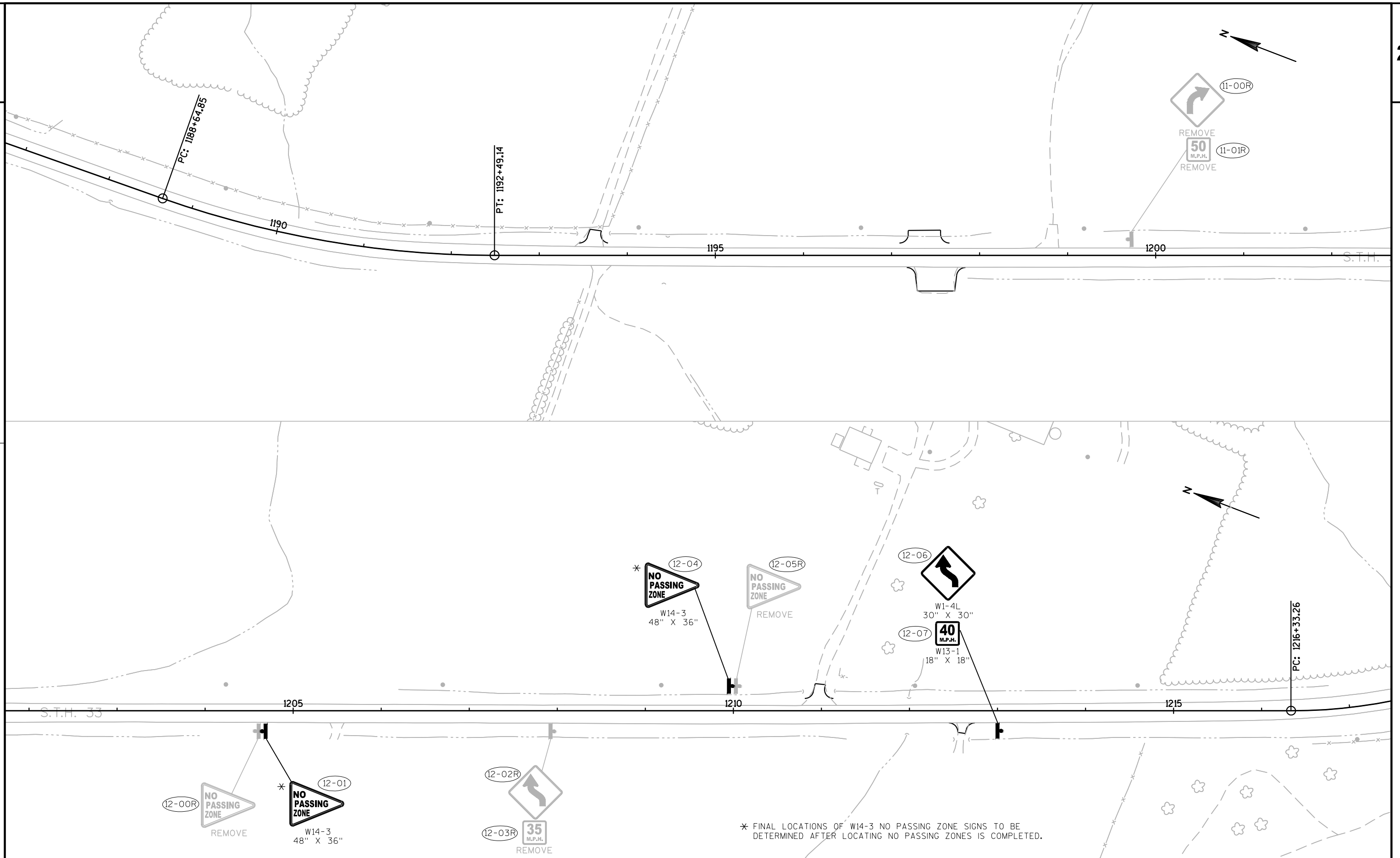


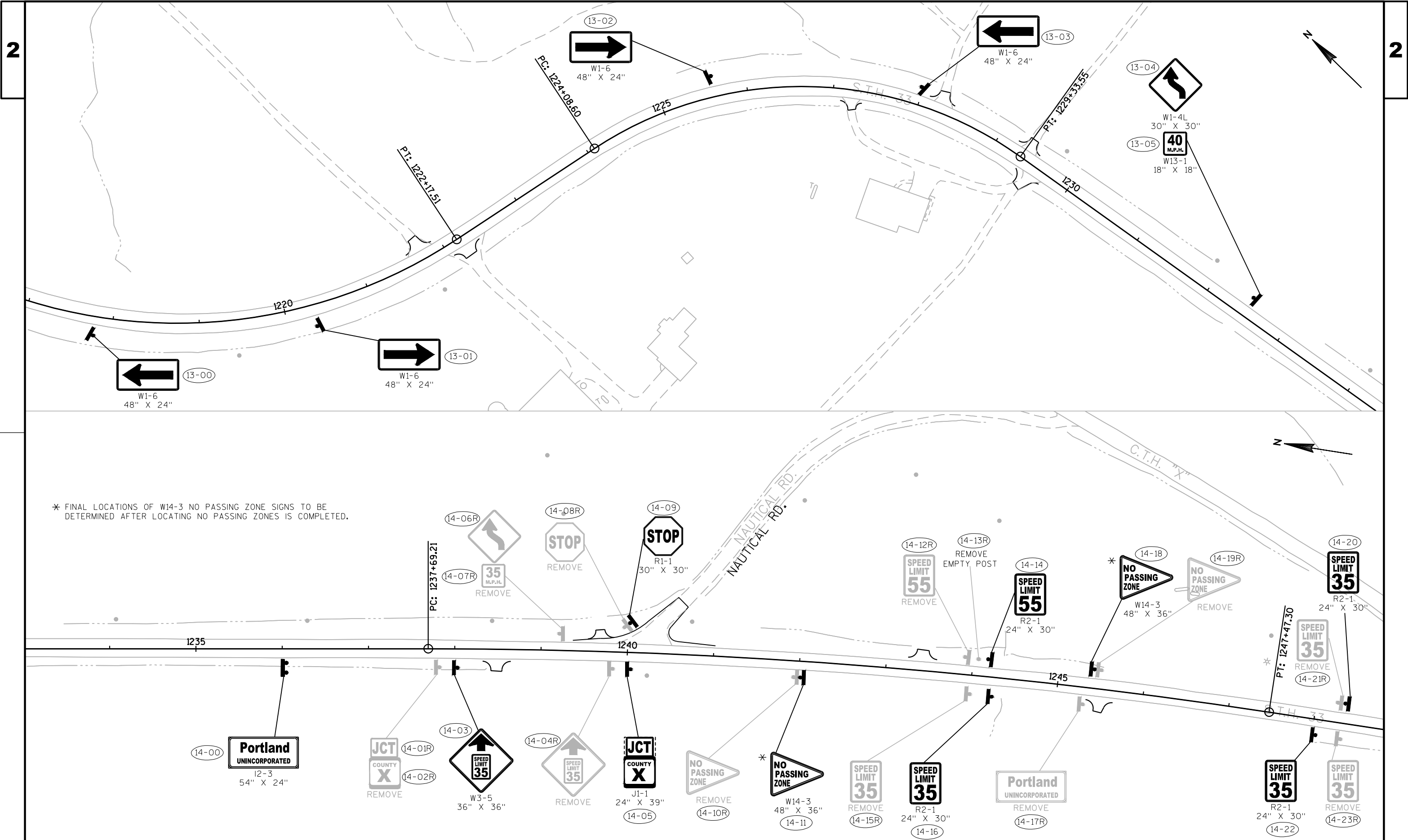


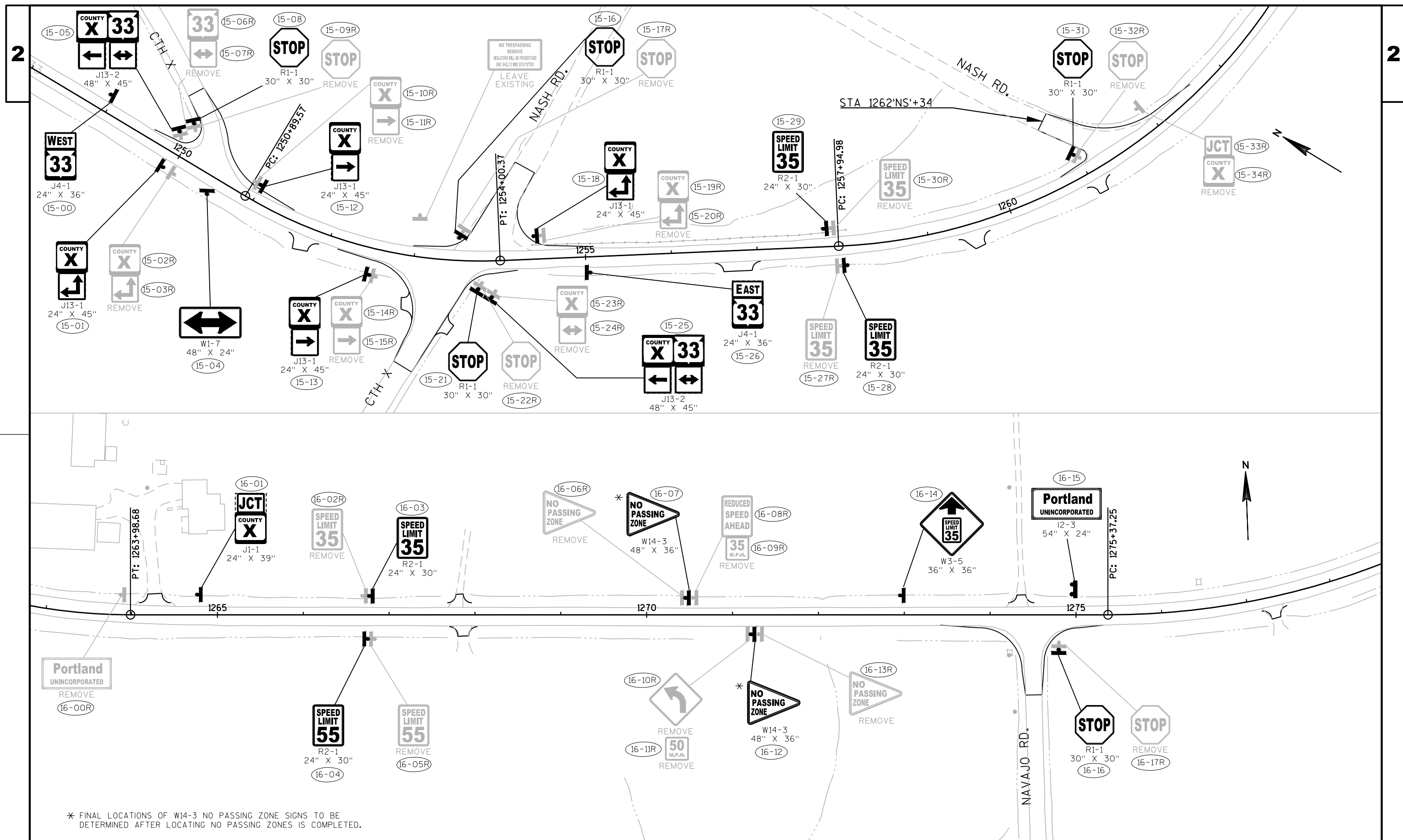


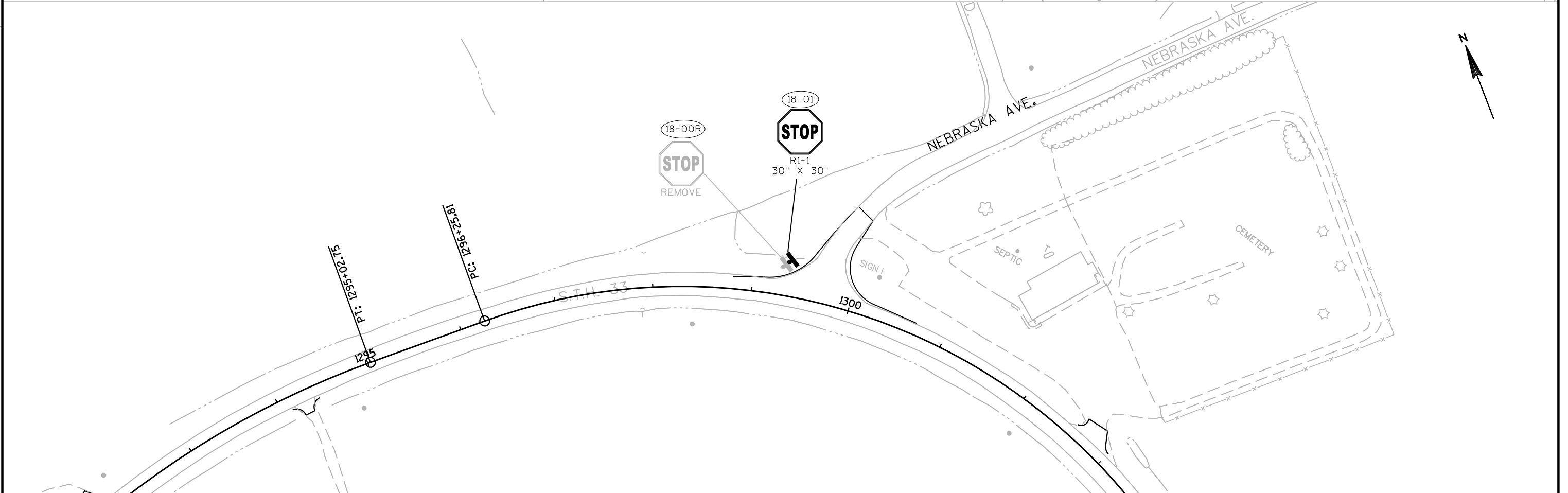
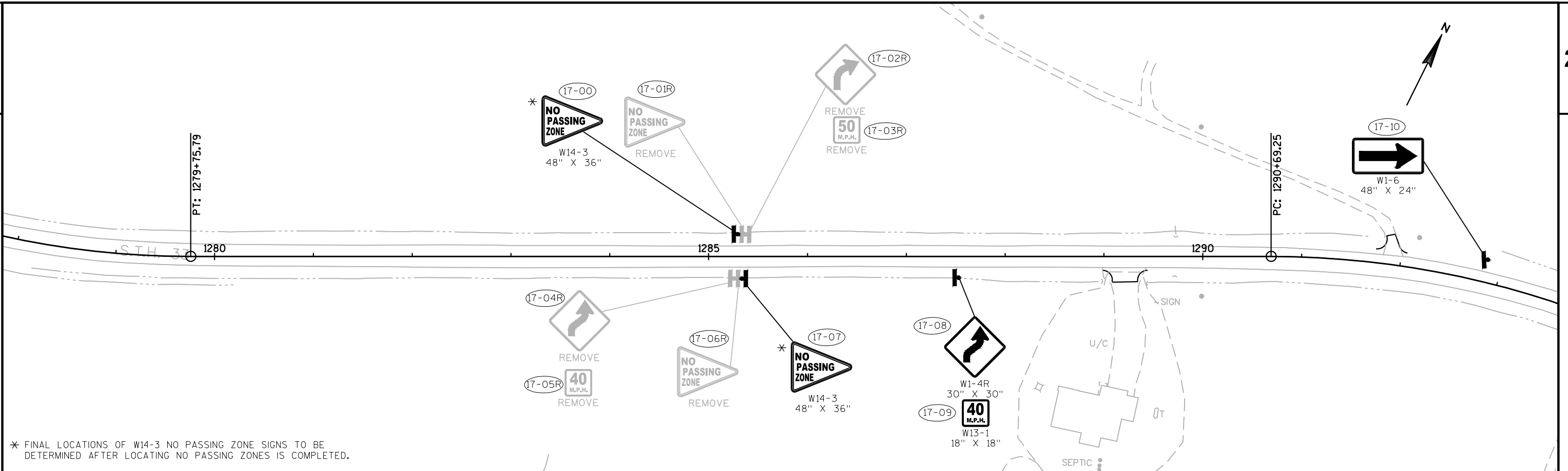


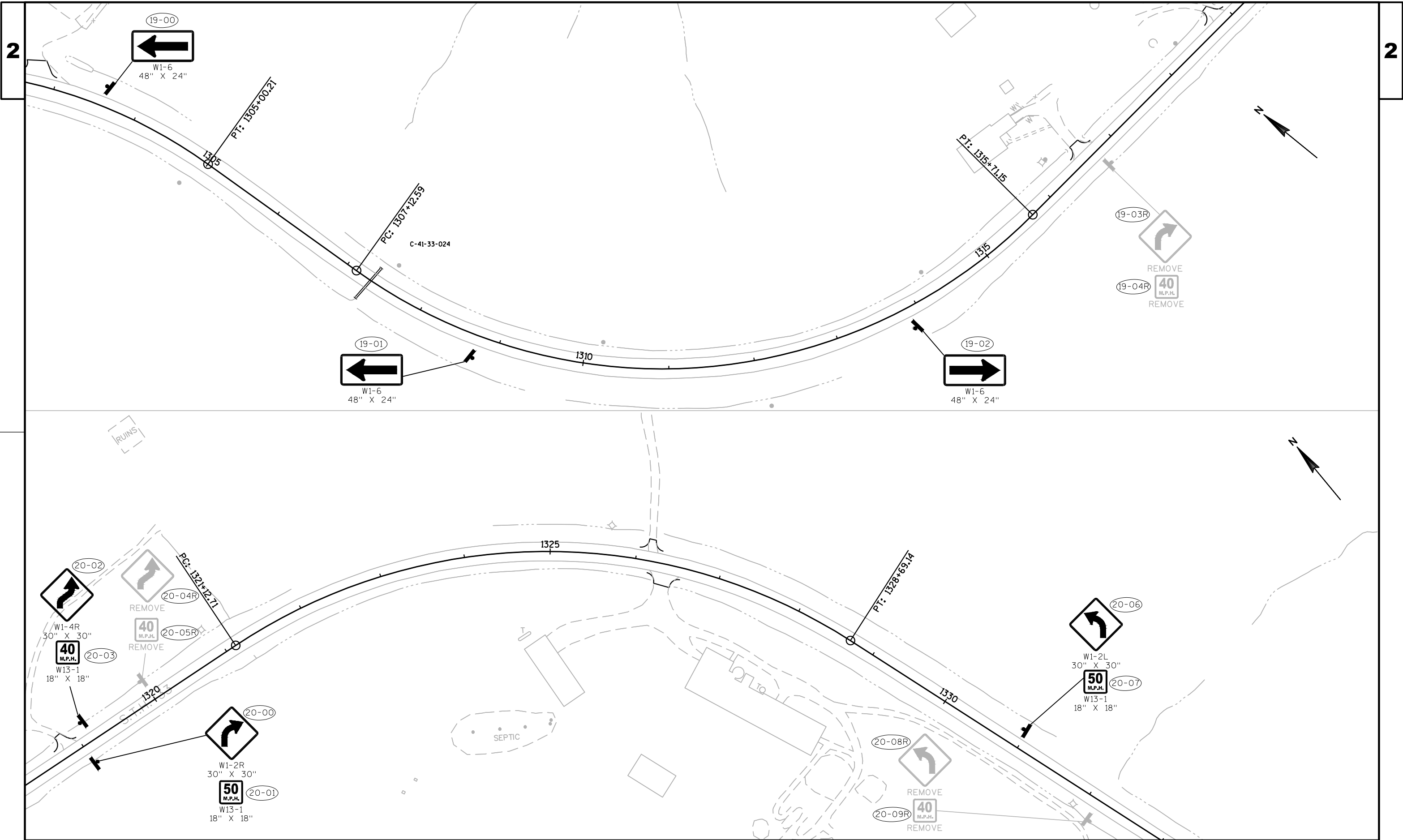
* FINAL LOCATIONS OF W14-3 NO PASSING ZONE SIGNS TO BE DETERMINED AFTER LOCATING NO PASSING ZONES IS COMPLETED.











PROJECT NO:5122-02-61

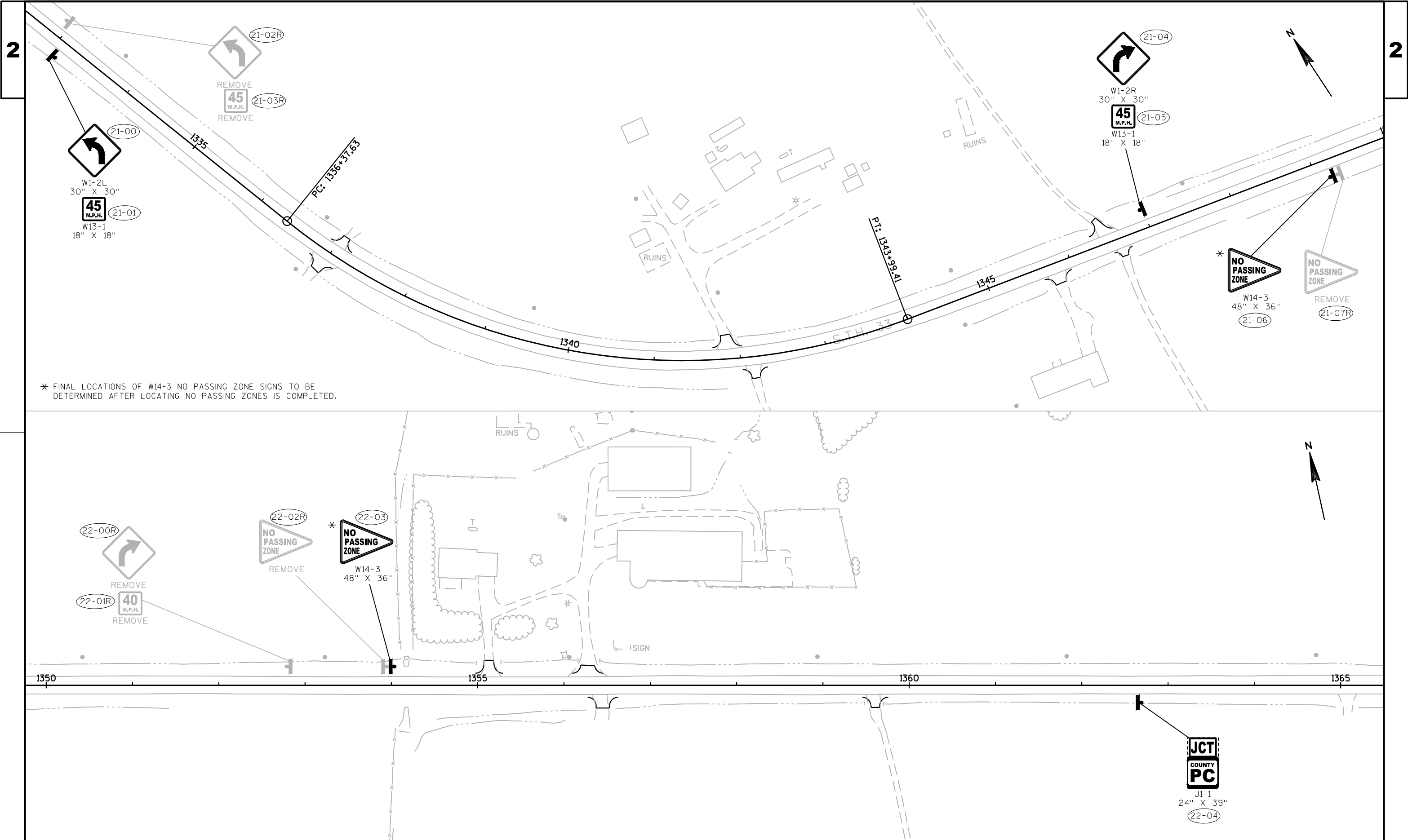
HWY:STH 33

COUNTY:MONROE

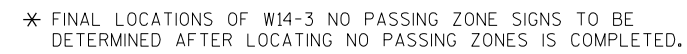
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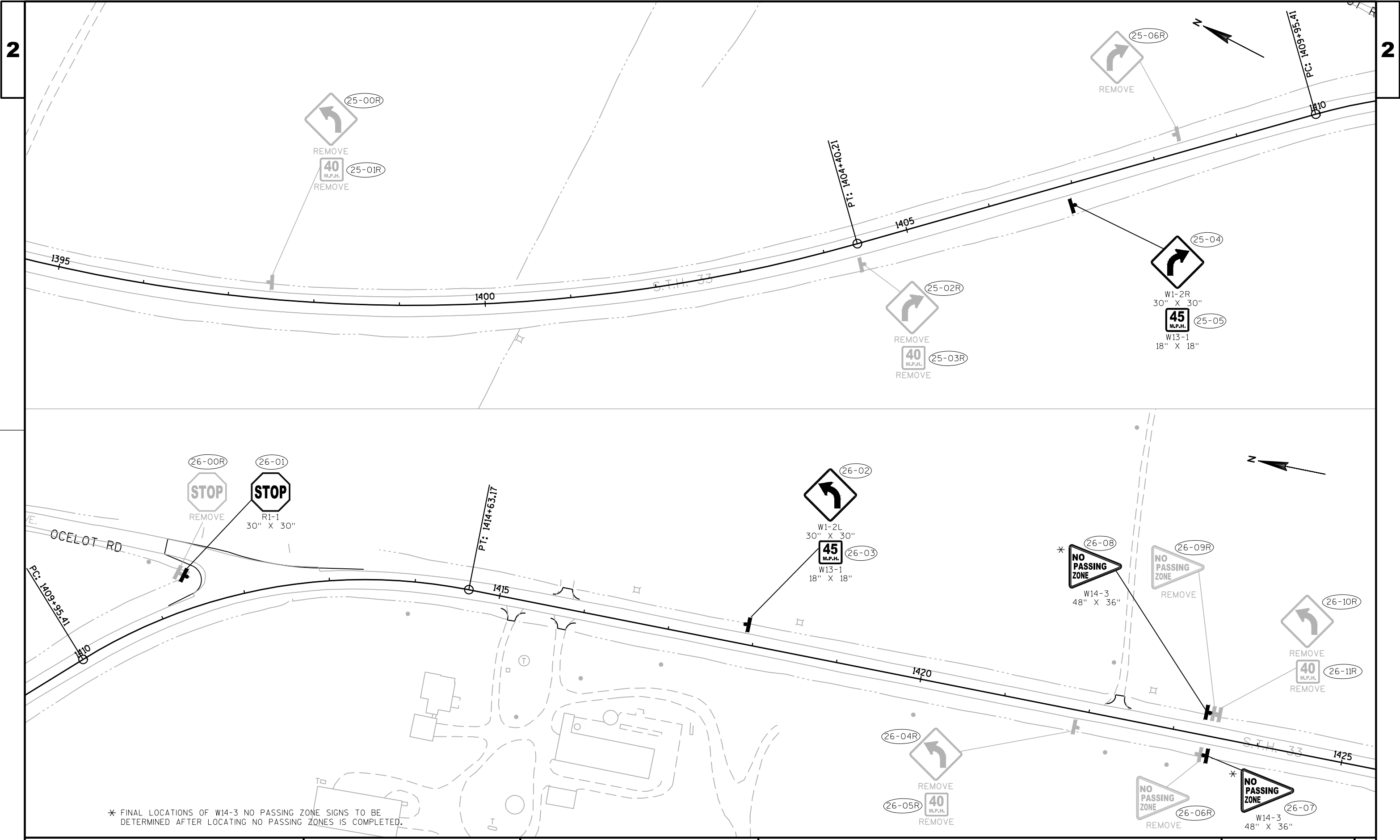
SHEET

E

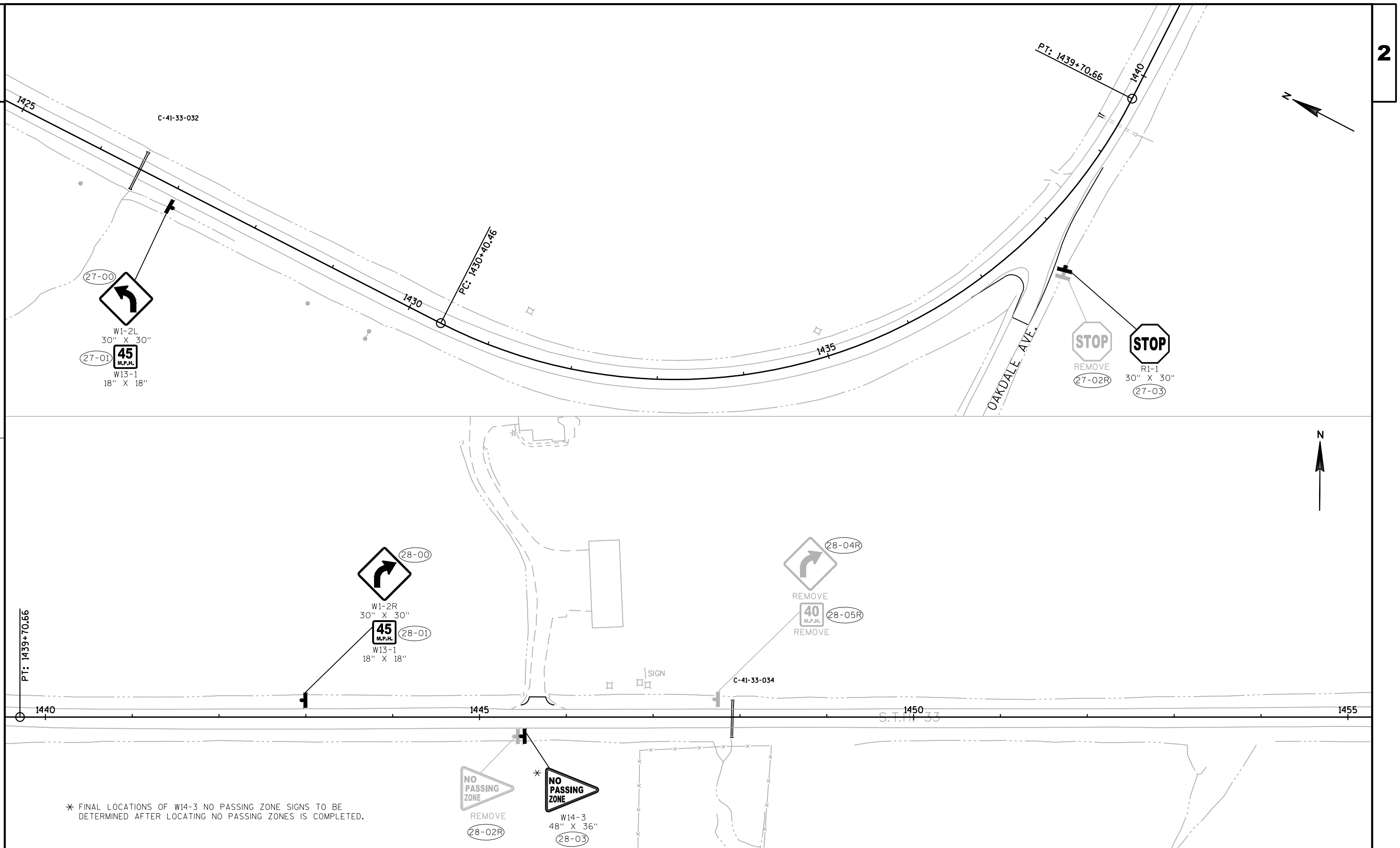


* FINAL LOCATIONS OF W14-3 NO PASSING ZONE SIGNS TO BE DETERMINED AFTER LOCATING NO PASSING ZONES IS COMPLETED.





PROJECT NO:5122-02-61	HWY:STH 33	COUNTY:MONROE	PERMANENT SIGNING	SHEET	E
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PROJECT NO:5122-02-61

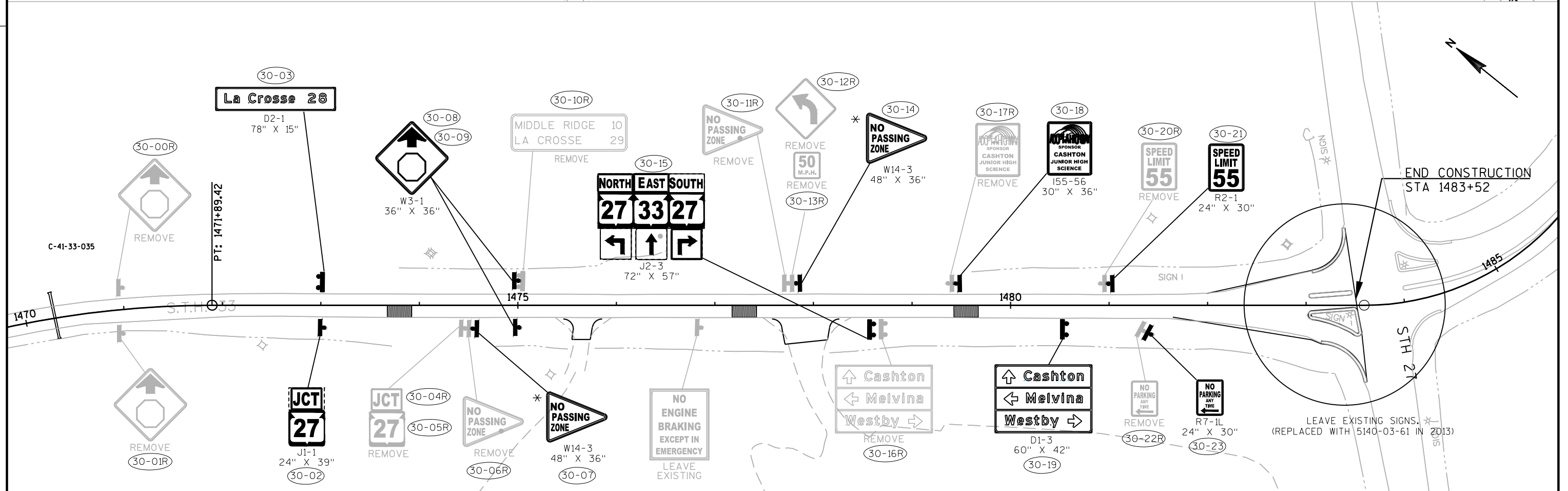
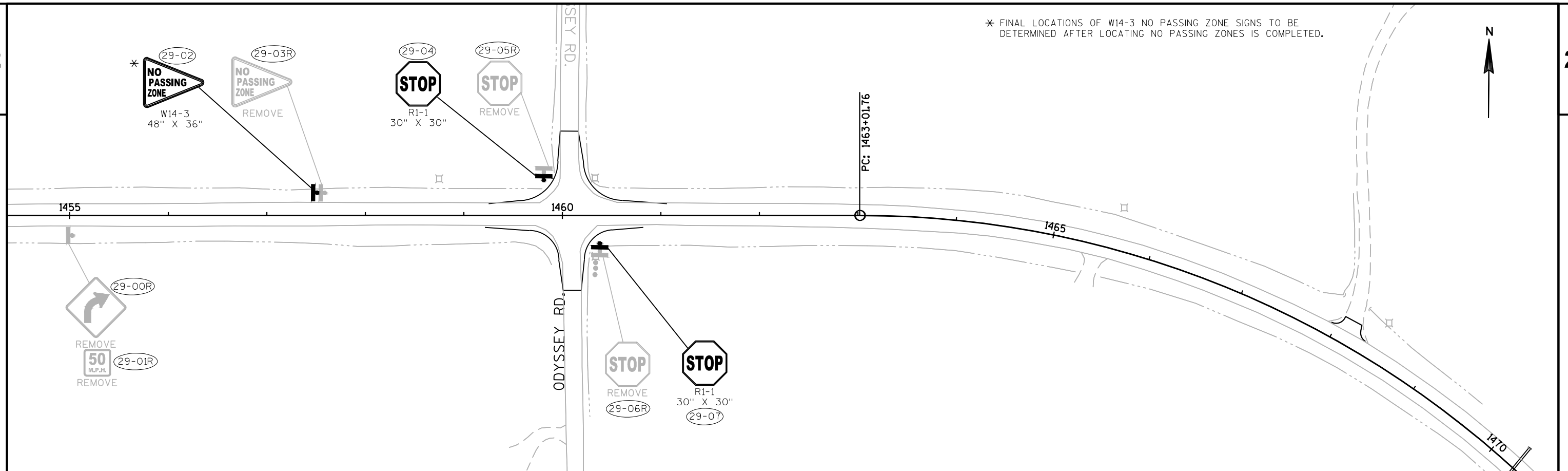
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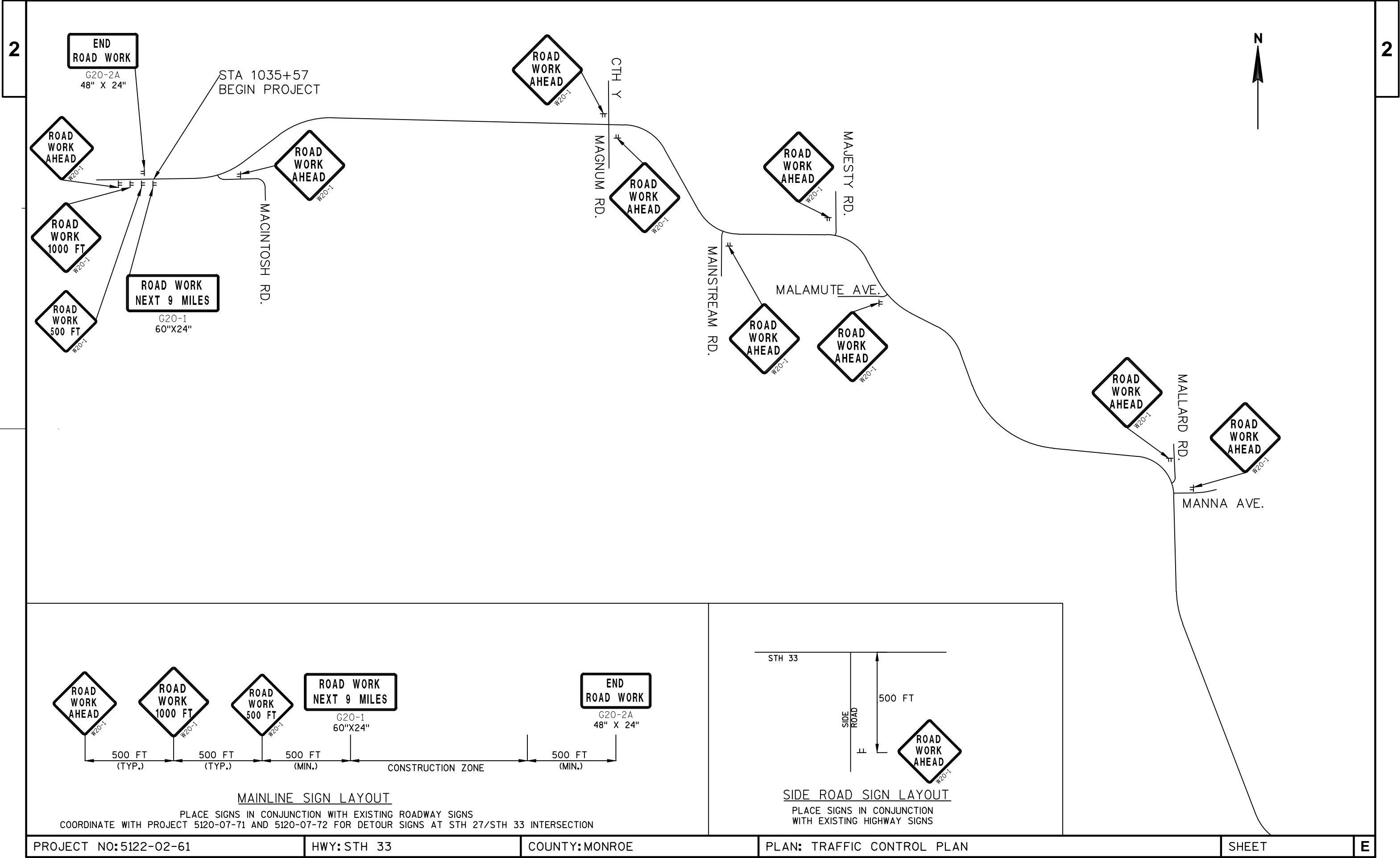
COUNTY:MONROE

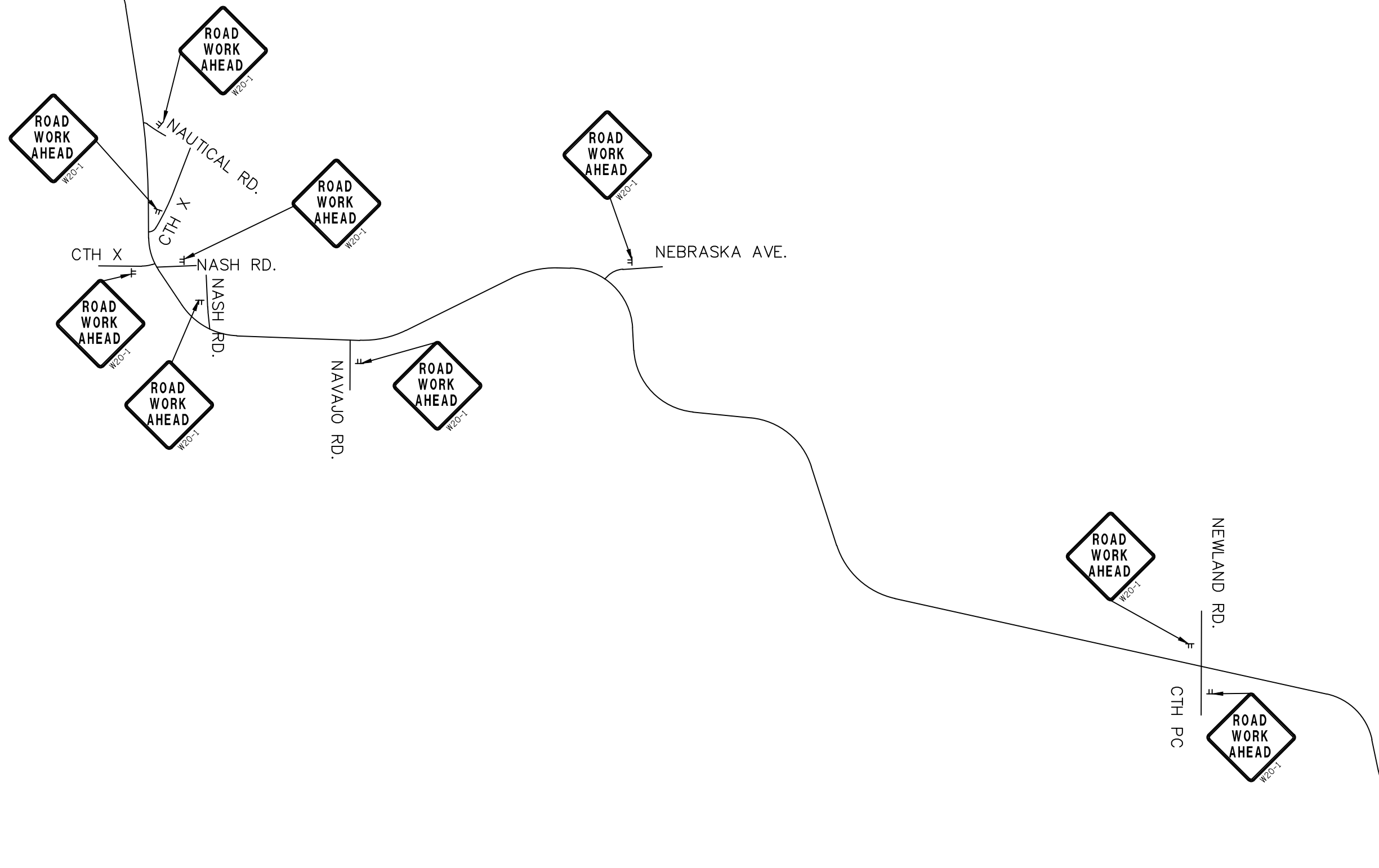
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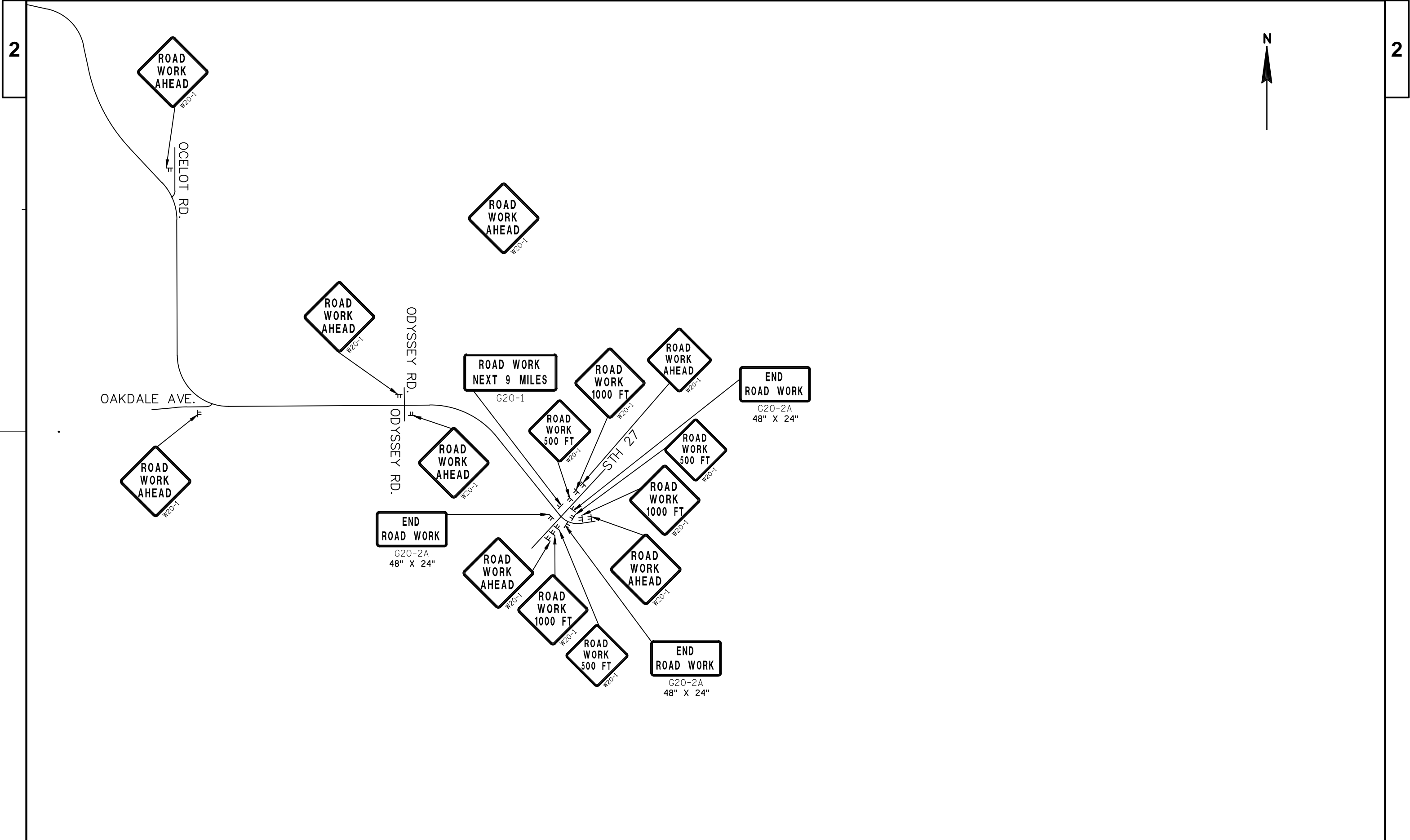
SHEET

E









DATE 02APR14		E S T I M A T E O F Q U A N T I T I E S			
LINE				5122-02-61	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	8.000	8.000
0020	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	140,445.000	140,445.000
0030	204.0165	REMOVING GUARDRAIL	LF	375.000	375.000
0040	213.0100	FINISHING ROADWAY (PROJECT) 01. 5122-02-61	EACH	1.000	1.000
0050	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	8,200.000	8,200.000
0060	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	2,020.000	2,020.000
0070	305.0500	SHAPING SHOULDERS	STA	898.000	898.000
0080	440.4410.S	INCENTIVE IRI RIDE	DOL	33,936.000	33,936.000
0090	455.0105	ASPHALTIC MATERIAL PG58-28	TON	1,105.000	1,105.000
0100	455.0605	TACK COAT	GAL	4,560.000	4,560.000
0110	460.1101	HMA PAVEMENT TYPE E-1	TON	19,520.000	19,520.000
0120	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	12,500.000	12,500.000
0130	460.4110.S	REHEATING HMA PAVEMENT LONGITUDINAL JOINTS	LF	44,795.000	44,795.000
0140	465.0105	ASPHALTIC SURFACE	TON	640.000	640.000
0150	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	110.000	110.000
0160	465.0450	ASPHALTIC INTERSECTION RUMBLE STRIP	SY	99.000	99.000
0170	520.0118	CULVERT PIPE CLASS III 18-INCH	LF	192.000	192.000
0180	520.0124	CULVERT PIPE CLASS III 24-INCH	LF	147.000	147.000
0190	520.1018	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	EACH	9.000	9.000
0200	520.1024	APRON ENDWALLS FOR CULVERT PIPE 24-INCH	EACH	6.000	6.000
0210	520.7000	CLEANING CULVERT PIPES	EACH	5.000	5.000
0220	614.0010	BARRIER SYSTEM GRADING SHAPING FINISHING	EACH	2.000	2.000
0230	614.2330	MGS GUARDRAIL 3 K	LF	325.000	325.000
0240	614.2610	MGS GUARDRAIL TERMINAL EAT	EACH	2.000	2.000
0250	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 5122-02-61	EACH	1.000	1.000
0260	619.1000	MOBILIZATION	EACH	1.000	1.000
0270	624.0100	WATER	MGAL	45.000	45.000
0280	625.0105	TOPSOIL	CY	30.000	30.000
0290	625.0500	SALVAGED TOPSOIL	SY	1,650.000	1,650.000
0300	627.0200	MULCHING	SY	935.000	935.000
0310	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	2.000	2.000
0320	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	2.000	2.000
0330	628.2004	EROSION MAT CLASS I TYPE B	SY	1,265.000	1,265.000
0340	628.2023	EROSION MAT CLASS II TYPE B	SY	825.000	825.000
0350	628.7504	TEMPORARY DITCH CHECKS	LF	250.000	250.000
0360	628.7555	CULVERT PIPE CHECKS	EACH	36.000	36.000
0370	629.0210	FERTILIZER TYPE B	CWT	3.250	3.250
0380	630.0110	SEEDING MIXTURE NO. 10	LB	65.000	65.000
0390	630.0200	SEEDING TEMPORARY	LB	65.000	65.000
0400	633.5200	MARKERS CULVERT END	EACH	14.000	14.000
0410	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	56.000	56.000
0420	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	76.000	76.000
0430	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	7.000	7.000
0440	637.2210	SIGNS TYPE II REFLECTIVE H	SF	446.160	446.160
0450	637.2230	SIGNS TYPE II REFLECTIVE F	SF	507.250	507.250
0460	638.2602	REMOVING SIGNS TYPE II	EACH	177.000	177.000
0470	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	123.000	123.000
0480	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0490	643.0100	TRAFFIC CONTROL (PROJECT) 01. 5122-02-61	EACH	1.000	1.000
0500	643.0300	TRAFFIC CONTROL DRUMS	DAY	180.000	180.000

DATE 02APR14		E S T I M A T E O F Q U A N T I T I E S			
LINE					5122-02-61
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0510	643.0900	TRAFFIC CONTROL SIGNS	DAY	2,200.000	2,200.000
0520	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	87,250.000	87,250.000
0530	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	30.000	30.000
0540	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	71,625.000	71,625.000
0550	647.0556	PAVEMENT MARKING STOP LINE EPOXY 12-INCH	LF	30.000	30.000
0560	648.0100	LOCATING NO-PASSING ZONES	MI	8.480	8.480
0570	649.0200	TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH	LF	71,625.000	71,625.000
0580	650.6000	CONSTRUCTION STAKING PIPE CULVERTS	EACH	7.000	7.000
0590	650.8000	CONSTRUCTION STAKING RESURFACING REFERENCE	LF	44,795.000	44,795.000
0600	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5122-02-61	LS	1.000	1.000
0610	690.0150	SAWING ASPHALT	LF	762.000	762.000
0620	SPV.0090	SPECIAL 01. REMOVING HMA PAVEMENT NOTCHED WEDGE LONGITUDINAL JOINT MILLING	LF	44,795.000	44,795.000
0630	SPV.0090	SPECIAL 02. DITCH CLEANING	LF	300.000	300.000

3

REMOVING SMALL PIPE CULVERTS

			203. 0100	
CATEGORY	STATION	LOCATI ON	EACH	REMARKS
0010	1054+74	STH 33	1	UNDER MAINLI NE
0010	1103+63	STH 33	1	UNDER MAINLI NE
0010	1150+70	STH 33	1	UNDER MAINLI NE
0010	1171+13	STH 33	1	UNDER MAINLI NE
0010	1307+33	STH 33	1	UNDER MAINLI NE
0010	1426+70	STH 33	1	UNDER MAINLI NE
0010	1447+91	STH 33	1	UNDER MAINLI NE
0010	1470+30	STH 33	1	UNDER MAINLI NE
TOTAL 0010			8	

REMOVING GUARDRAIL

					204. 0165	
CATEGORY	STATION	TO	STATION	LOCATION	LF	REMARKS
0010	1254+35	-	1258+10	STH 33	375	LEFT
TOTAL 0010					375	

BASE AGGREGATE DENSE 3/4-INCH

		305. 0110			
CATEGORY	STATION TO	STATION	LOCATI ON	TON	REMARKS
0010	1035+57 -	1042+40	RI GHT	50	SHOULDER
0010	1043+52 -	1090+33	RI GHT	350	SHOULDER
0010	1091+01 -	1109+55	RI GHT	140	SHOULDER
0010	1110+70 -	1132+49	RI GHT	160	SHOULDER
0010	1133+24 -	1252+55	RI GHT	880	SHOULDER
0010	1253+90 -	1273+87	RI GHT	150	SHOULDER
0010	1275+02 -	1372+42	RI GHT	720	SHOULDER
0010	1373+48 -	1437+20	RI GHT	470	SHOULDER
0010	1438+30 -	1459+67	RI GHT	160	SHOULDER
0010	1460+50 -	1483+15	RI GHT	170	SHOULDER
0010	1035+57 -	1090+09	LEFT	400	SHOULDER
0010	1091+38 -	1123+04	LEFT	230	SHOULDER
0010	1123+72 -	1175+50	LEFT	380	SHOULDER
0010	1177+65 -	1239+68	LEFT	460	SHOULDER
0010	1240+57 -	1249+89	LEFT	70	SHOULDER
0010	1251+03 -	1253+28	LEFT	20	SHOULDER
0010	1254+61 -	1261+03	LEFT	50	SHOULDER
0010	1262+14 -	1299+10	LEFT	270	SHOULDER
0010	1300+25 -	1372+47	LEFT	530	SHOULDER
0010	1373+46 -	1411+41	LEFT	280	SHOULDER
0010	1413+15 -	1459+55	LEFT	340	SHOULDER
0010	1460+61 -	1483+06	LEFT	170	SHOULDER
0010	1035+57 -	1483+52	ENTIRE JOB	1000	P. E. ' S/F. E. ' S/SIDELINES
0010	1035+57	1483+52	ENTIRE JOB	750	UNDI STRI BUTED
TOTAL 0010				8200	

REMOVING ASPHALTIC SURFACE MILLING

		204. 0120		
CATEGORY	STATION TO STATION	LOCATION	SY	REMARKS
0010	1035+57 - 1483+52	MAINLINE	119450	STH 33
0010	1043+10	RIGHT	385	MACINTOSH RD
0010	1058+50 - 1062+00	RIGHT	110	SHOULDER WIDENING
0010	1089+50 - 1104+50	LEFT	500	SHOULDER WIDENING
0010	1090+66	RIGHT	170	MAGNUM RD
0010	1090+66	LEFT	470	CTH Y
0010	1092+50 - 1109+50	RIGHT	550	SHOULDER WIDENING
0010	1110+23	RIGHT	365	MAINSTREAM RD
0010	1123+37	LEFT	150	MAJESTY RD
0010	1127+00 - 1162+00	LEFT	1150	SHOULDER WIDENING
0010	1132+60	LEFT	30	PRIVATE ENTRANCE
0010	1132+87	RIGHT	210	MALAMUTE AVE
0010	1141+00	LEFT	30	PRIVATE ENTRANCE
0010	1143+40	LEFT	30	PRIVATE ENTRANCE
0010	1150+00 - 1170+00	RIGHT	650	SHOULDER WIDENING
0010	1151+10	RIGHT	30	PRIVATE ENTRANCE
0010	1174+00 - 1180+00	RIGHT	200	SHOULDER WIDENING
0010	1175+96	LEFT	330	MALLARD RD
0010	1177+15	LEFT	190	MANNA AVE
0010	1193+00 - 1204+00	LEFT	350	SHOULDER WIDENING
0010	1209+00 - 1221+00	LEFT	400	SHOULDER WIDENING
0010	1222+00 - 1230+00	RIGHT	250	SHOULDER WIDENING
0010	1227+20	RIGHT	30	PRIVATE ENTRANCE
0010	1229+35	RIGHT	30	PRIVATE ENTRANCE
0010	1250+32	LEFT	540	CTH X
0010	1253+36	RIGHT	555	CTH X
0010	1253+71	LEFT	380	NASH RD
0010	1255+00 - 1260+00	LEFT	150	SHOULDER WIDENING
0010	1256+75	RIGHT	60	PRIVATE ENTRANCE
0010	1261+39	LEFT	200	NASH RD
0010	1274+48	RIGHT	250	NAVAJO RD
0010	1291+50 - 1299+50	RIGHT	250	SHOULDER WIDENING
0010	1299+65	LEFT	270	NEBRASKA AVE
0010	1302+80	LEFT	50	PRIVATE ENTRANCE
0010	1308+50 - 1321+50	LEFT	430	SHOULDER WIDENING
0010	1325+00 - 1344+00	LEFT	630	SHOULDER WIDENING
0010	1345+50 - 1382+50	RIGHT	1230	SHOULDER WIDENING
0010	1345+80	RIGHT	30	PRIVATE ENTRANCE
0010	1355+10	LEFT	30	PRIVATE ENTRANCE
0010	1371+00 - 1393+00	LEFT	730	SHOULDER WIDENING
0010	1373+03	RIGHT	310	CTH PC
0010	1373+03	LEFT	220	NEWLAND RD
0010	1373+50 - 1395+50	RIGHT	730	SHOULDER WIDENING
0010	1411+95	LEFT	300	OSCELOT RD
0010	1437+78	RIGHT	430	OAKDALE AVE
0010	1445+60	LEFT	50	PRIVATE ENTRANCE
0010	1460+10	RIGHT	160	ODYSSEY RD
0010	1460+10	LEFT	180	ODYSSEY RD
0010	1462+00 - 1471+00	RIGHT	300	SHOULDER WIDENING
0010	1481+54 - 1483+52	RIGHT	300	TURN LANE
0010	1482+10 - 1483+52	LEFT	220	TURN LANE
0010	UNDISTRIBUTED EXTRA MILL AND FILL SPOT LOCATIONS	MAINLINE	5400	STH 33
TOTAL 0010			140445	

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BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION	LOCATION	305. 0120 TON	REMARKS
0010	1054+74	MAINLINE	230	PIPE REPLACEMENT
0010	1103+63	MAINLINE	230	PIPE REPLACEMENT
0010	1150+70	MAINLINE	230	PIPE REMOVAL
0010	1171+13	MAINLINE	230	PIPE REPLACEMENT
0010	1307+33	MAINLINE	230	PIPE REPLACEMENT
0010	1426+70	MAINLINE	230	PIPE REPLACEMENT
0010	1447+91	MAINLINE	230	PIPE REPLACEMENT
0010	1470+30	MAINLINE	230	PIPE REPLACEMENT
0010	1035+57 - 1483+52	MAINLINE	180	UNDISTRIBUTED
TOTAL 0010			2020	

SHAPING SHOULDERS					305. 0500	
CATEGORY	STATION TO	STATION	LOCATION		STA	REMARKS
0010	1035+57 -	1483+52	LEFT		449	SHOULDER
0010	1035+57 -	1483+52	RIGHT		449	SHOULDER
TOTAL 0010					898	

ASPHALTIC MATERIAL PG58-28

				455. 0105	
CATEGORY	STATION TO	STATION	LOCATION	TON	REMARKS
0010	1035+57 -	1483+52	MAINLINE	760	STH 33
0010	1035+57 -	1483+52	RIGHT	125	2' SHOULDER
0010	1035+57 -	1483+52	LEFT	125	2' SHOULDER
0010	1035+57 -	1483+52	LEFT AND RIGHT	60	SIDELINES
0010	UNDISTRIBUTED EXTRA MILL AND FILL LOCATIONS		MAINLINE	35	ADDITIONAL 2" MILL AND FILL LOCATIONS
TOTAL 0010				1105	

TACK COAT

CATEGORY	STATION TO	STATION	LOCATION	455. 0605 GAL	REMARKS
0010	1035+57 -	1483+52	MAINLINE	4180	MILLED SURFACE
0010	1035+57 -	1483+52	P. E. 's/SIDELINES	210	MILLED SURFACE
0010	1035+57 -	1483+52	UNDISTRIBUTED EXTRA MILL AND FILL LOCATIONS	170	MILLED SURFACE
TOTAL 0010				4560	

3

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HMA PAVEMENT TYPE E-1

ASPHALTIC INTERSECTION RUMBLE STRIP

460. 1101						
CATEGORY	STATION	TO	STATION	LOCATION	TON	REMARKS
0010	1035+57	-	1483+52	MAINLINE	13380	STH 33
0010	1035+57	-	1483+52	RIGHT	2230	2' SHOULDER
0010	1035+57	-	1483+52	LEFT	2230	2' SHOULDER
0010		1043+10		RIGHT	50	MACINTOSH RD
0010		1090+65		RIGHT	30	MAGNUM RD
0010		1090+65		LEFT	55	CTH Y
0010		1110+23		RIGHT	50	MAINSTREAM RD
0010		1123+37		LEFT	20	MAJESTY RD
0010		1132+60		LEFT	10	PRIVATE ENTRANCE
0010		1132+87		RIGHT	30	MALAMUTE AVE
0010		1141+00		LEFT	10	PRIVATE ENTRANCE
0010		1143+40		LEFT	10	PRIVATE ENTRANCE
0010		1151+10		RIGHT	10	PRIVATE ENTRANCE
0010		1175+96		LEFT	50	MALLARD RD
0010		1177+15		LEFT	30	MANNA AVE
0010		1227+20		RIGHT	10	PRIVATE ENTRANCE
0010		1229+35		RIGHT	10	PRIVATE ENTRANCE
0010		1240+24		LEFT	25	NAUTICAL RD
0010		1250+32		LEFT	40	CTH X
0010		1253+36		RIGHT	75	CTH X
0010		1253+71		LEFT	65	NASH RD
0010		1256+75		RIGHT	10	PRIVATE ENTRANCE
0010		1261+39		LEFT	40	NASH RD
0010		1274+48		RIGHT	40	NAVAJO RD
0010		1299+65		LEFT	50	NEBRASKA AVE
0010		1302+80		LEFT	10	PRIVATE ENTRANCE
0010		1345+80		RIGHT	10	PRIVATE ENTRANCE
0010		1355+10		LEFT	10	PRIVATE ENTRANCE
0010		1373+02		RIGHT	40	CTH PC
0010		1373+02		LEFT	35	NEWLAND RD
0010		1411+95		LEFT	60	OSCELOT RD
0010		1437+78		RIGHT	50	OAKDALE AVE
0010		1445+60		LEFT	10	PRIVATE ENTRANCE
0010		1460+09		RIGHT	30	ODYSSEY RD
0010		1460+09		LEFT	35	ODYSSEY RD
0010	1481+65	-	1483+52	RIGHT	35	TURN LANE
0010	1481+66	-	1483+53	LEFT	30	TURN LANE
0010	UNDISTRIBUTED EXTRA MILL AND FILL LOCATIONS			MAINLINE	605	ADDITIONAL 2" MILL AND FILL LOCATIONS
TOTAL 0010					19520	

REHEATING HMA LONGITUDINAL JOINTS

460. 4110. S					
CATEGORY	STATION	TO	STATION	LOCATION	LF
0010	1035+57	-	1483+52	STH 33	44795
TOTAL 0010					44795

465. 0450					
CATEGORY	STATION	TO	STATION	LOCATION	SY
0010	1473+67	-	1473+92	STH 33	33
0010	1477+17	-	1477+42	STH 33	33
0010	1479+42	-	1479+67	STH 33	33
TOTAL 0010					99

ASPHALTIC SURFACE

465. 0105					
CATEGORY	STATION	LOCATION	TON	REMARKS	
0010	1054+74	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1103+63	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1150+70	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1171+13	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1307+33	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1426+70	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1447+91	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
0010	1470+30	MAINLINE	80	4"	HMA PAVEMENT OVER PIPE
TOTAL 0010			640		

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

465. 0120					
CATEGORY	STATION	LOCATION	TON	REMARKS	
0010	1132+60	LEFT	10	PRIVATE	ENTRANCE
0010	1141+00	LEFT	10	PRIVATE	ENTRANCE
0010	1143+40	LEFT	10	PRIVATE	ENTRANCE
0010	1151+10	RIGHT	10	PRIVATE	ENTRANCE
0010	1227+20	RIGHT	10	PRIVATE	ENTRANCE
0010	1229+35	RIGHT	10	PRIVATE	ENTRANCE
0010	1256+75	RIGHT	10	PRIVATE	ENTRANCE
0010	1302+80	LEFT	10	PRIVATE	ENTRANCE
0010	1345+80	LEFT	10	PRIVATE	ENTRANCE
0010	1355+10	RIGHT	10	PRIVATE	ENTRANCE
0010	1445+60	LEFT	10	PRIVATE	ENTRANCE
TOTAL 0010			110		

STATE PROJECT NO: 5122-02-61

HWY: STH 33

COUNTY: MONROE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

3

CULVERT PIPE CLASS III 18-INCH

APRON ENDWALLS FOR CULVERT PIPE 18-INCH

520. 0118				
CATEGORY	STATION	LOCATION	LF	REMARKS
0010	1054+74	STH 33	44	CULVERT REPLACEMENT UNDER MAINLINE
0010	1103+63	STH 33	46	CULVERT REPLACEMENT UNDER MAINLINE
0010	1307+33	STH 33	49	CULVERT REPLACEMENT UNDER MAINLINE
0010	1439+36	STH 33	5	CULVERT PIPE EXTENSION (LEFT)
0010	1470+30	STH 33	48	CULVERT REPLACEMENT UNDER MAINLINE
TOTAL 0010			192	

520. 1018				
CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	1054+74	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
0010	1103+63	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
0010	1307+33	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
0010	1439+36	STH 33	1	CULVERT PIPE EXTENSION (LEFT)
0010	1470+30	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
TOTAL 0010			9	

3

CULVERT PIPE CLASS III 24-INCH

APRON ENDWALLS FOR CULVERT PIPE 24-INCH

520. 0124				
CATEGORY	STATION	LOCATION	LF	REMARKS
0010	1171+13	STH 33	55	CULVERT REPLACEMENT UNDER MAINLINE
0010	1426+70	STH 33	48	CULVERT REPLACEMENT UNDER MAINLINE
0010	1447+91	STH 33	44	CULVERT REPLACEMENT UNDER MAINLINE
TOTAL 0010			147	

520. 1024				
CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	1171+13	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
0010	1426+70	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
0010	1447+91	STH 33	2	CULVERT REPLACEMENT UNDER MAINLINE
TOTAL 0010			6	

CLEANING CULVERT PIPES

520. 7000					
CATEGORY	STATION	LOCATION	EACH	REMARKS	
0010	1041+95	STH 33	1	18"	CULVERT PIPE
0010	1272+03	STH 33	1	18"	CULVERT PIPE
0010	1331+93	STH 33	1	24"	CULVERT PIPE
0010	1379+51	STH 33	1	18"	CULVERT PIPE
0010	1387+70	STH 33	1	18"	CULVERT PIPE
TOTAL 0010			5		

STATE PROJECT NO: 5122-02-61

HWY: STH 33

COUNTY: MONROE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

BARRIER SYSTEM GRADING SHAPING FINISHING

WATER

614. 0010				
CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	1254+35	STH 33	1	MGS GUARDRAIL TERMINAL EAT
0010	1258+60	STH 33	1	MGS GUARDRAIL TERMINAL EAT
TOTAL 0010			2	

624. 0100				
CATEGORY	STATION TO	STATION	LOCATION	MGAL
0010	1035+57	- 1483+52	LEFT AND RIGHT	45
TOTAL 0010				45

MGS GUARDRAIL 3 K

TOPSOIL

614. 2330				
CATEGORY	STATION TO	STATION	LOCATION	LF
0010	1254+85	- 1258+10	STH 33	325
TOTAL 0010				325

625. 0105				
CATEGORY	STATION	LOCATION	CY	REMARKS
0010	1439+36	STH 33	30	PIPE EXTENSION LEFT
TOTAL 0010			30	

MGS GUARDRAIL TERMINAL EAT

614. 2610				
CATEGORY	STATION	LOCATION	EACH	REMARKS
0010	1254+35	STH 33	1	LEFT
0010	1258+60	STH 33	1	LEFT
TOTAL 0010			2	

EROSION CONTROL

CATEGORY	STATION	LOCATION	SALVAGED TOPSOIL 625. 0500	MULCHING 627. 0200	EROSION MAT CLASS I TYPE B 628. 2004	EROSION MAT CLASS II TYPE B 628. 2023	TEMPORARY DITCH CHECKS 628. 7504	CULVERT PIPE CHECKS 628. 7555	FERTILIZER TYPE B 629. 0210	SEEDING MIXTURE NO. 10 630. 0110	SEEDING TEMPORARY 630. 0200	REMARKS
			SY	SY	SY	SY	LF	EACH	CWT	LB	LB	
0010	1054+74	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1103+63	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1150+70	RIGHT AND LEFT	150	100	100	50	20	-	0. 25	5	5	PIPE REMOVAL
0010	1171+13	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1271+53 - 1272+53	RIGHT	100	-	100	100	20	3	0. 25	5	5	DITCH CLEANING
0010	1307+33	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1379+01 - 1380+01	RIGHT	100	-	100	100	20	3	0. 25	5	5	DITCH CLEANING
0010	1387+20 - 1388+20	RIGHT	100	-	100	100	20	3	0. 25	5	5	DITCH CLEANING
0010	1426+70	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1439+36	RIGHT AND LEFT	-	50	50	50	10	3	0. 25	5	5	PIPE EXTENSION
0010	1447+91	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1470+30	RIGHT AND LEFT	150	100	100	50	20	3	0. 25	5	5	PIPE REPLACEMENT
0010	1035+57 - 1483+52	RIGHT AND LEFT	150	85	115	75	20	3	0. 25	5	5	UNDISTRIBUTED
TOTAL 0010			1650	935	1265	825	250	36	3. 25	65	65	

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SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210 SIGNS TYPE II REFLECTIVE H	637.2230 SIGNS TYPE II REFLECTIVE F	634.0614 POSTS 14 FT EACH	634.0616 WOOD 4X6 16 FT EACH	634.0618 INCH 18 FT EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
								SF	SF							
1-00R	1033+75	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
1-01R	1033+75	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	---	---	---	---	1	---	1-00R	
1-02R	1036+00	Right		I-2-2	County Line Name	Monroe Co	60X15	---	---	---	---	---	1	1		
1-03	1036+00	Right		I-2-2	County Line Name	Monroe Co	60X15	6.25	---	2	---	---	---	---		
1-04R	1036+00	Left		I-2-2	County Line Name	La Crosse Co	78X15	---	---	---	---	---	1	1		
1-05	1036+00	Left		I-2-2	County Line Name	La Crosse Co	72X15	7.50	---	2	---	---	---	---		
1-06	1038+50	Right		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
1-07	1038+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	2.25	---	---	---	---	---	1-06	
1-08	1043+40	Right	Macintosh Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
1-09R	1043+40	Right	Macintosh Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
1-10R	1046+50	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
1-11R	1046+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	1-10R	
1-12	1048+50	Left		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---		
1-13	1048+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	2.25	---	---	---	---	---	1-12	
2-00R	1051+50	Left		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
2-01R	1051+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	---	---	---	---	1	---	2-00R	
2-02	1060+50	Left		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
3-00R	1066+15	Left		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
3-01R	1066+15	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	3-00R	
3-02	1069+00	Right		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
3-03R	1069+00	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
3-04	1073+00	Left		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
3-05R	1073+00	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
4-00	1080+50	Right		J1-1	Junction Assembly	JCT Y	24X39	6.50	---	---	1	---	---	---		
4-01R	1081+00	Right		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	4-02R	
4-02R	1081+00	Right		M1-5-A	County Marker	Y	24X24	---	---	---	---	---	1	1		
4-03R	1083+50	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
4-04R	1083+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	4-03R	
4-05	1088+00	Right		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---		
4-06	1088+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	4-05	
4-07	1090+20	Right		J13-1	Directional Without Cardinal (One Headed Route Panel)	Y [Left Arrow]	24X45	7.50	---	---	1	---	---	---		
4-08R	1090+20	Right		M1-5-A	County Marker	Y	24X24	---	---	---	---	---	1	1		
4-09R	1090+20	Right		M6-1	Arrow - RIGHT, LEFT, OR AHEAD	[Left Arrow]	21X21	---	---	---	---	---	1	---	4-08R	
4-10R	1090+30	Right	CTH Y	M1-6	State Route Marker	33	24X24	---	---	---	---	---	1	1		
4-11R	1090+30	Right	CTH Y	M6-4	Directional Arrows Left - Right		21X21	---	---	---	---	---	1	---	4-10R	
4-12	1089+00	Left		J4-1	Reassurance Assembly (One Headed Route Panel)	West 33	24X36	6.00	---	---	1	---	---	---		
4-13	1090+25	Left	CTH Y	J13-1	Directional Without Cardinal (One Headed Route Panel)	33 [Left and Right Arrow]	24X45	7.50	---	---	1	---	---	---		
4-14R	1090+25	Left	CTH Y	R1-1	Stop		30X30	---	---	---	---	---	1	1		
4-15	1090+25	Left	CTH Y	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
4-16R	1091+30	Left		M1-5-A	County Marker	Y	24X24	---	---	---	---	---	1	1		
4-17R	1091+30	Left		M6-1	Arrow - RIGHT, LEFT, OR AHEAD		21X21	---	---	---	---	---	1	---	4-16R	
4-18	1091+30	Left		J13-1	Directional Without Cardinal (One Headed Route Panel)	Y [Right Arrow]	24X45	7.50	---	1	---	---	---	---		
4-19	1091+00	Right	Magnum Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
4-20R	1091+00	Right	Magnum Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
4-21	1092+00	Right		J4-1	Reassurance Assembly (One Headed Route Panel)	East 33	24X36	6.00	---	---	1	---	---	---		
5-00	1096+70	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	---	1	---	---	---		
5-01R	1097+00	Left		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	5-02R	
5-02R	1097+00	Left		M1-5-A	County Marker	Y	24X24	---	---	---	---	---	1	1		
5-03R	1098+50	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
5-04R	1098+50	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18X18	---	---	---	---	---	1	---	5-03R	
5-05	1100+40	Left		J1-1	Junction Assembly	JCT Y	24X39	6.50	---	---	1	---	---	---		
5-06	1102+40	Left		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
5-07	1102+40	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	5-06	
SHEET TOTALS								76.79	60.25	8	14	0	29	18		

3

SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210	637.2230	634.0614	634.0616	634.0618	638.2602	638.3000	SIGN MOUNTED ON SAME POST AS	REMARKS
								SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	POSTS 14 FT EACH	WOOD 16 FT EACH	4X6 INCH 18 FT EACH	REMOVING SIGNS TYPE II EACH	SMALL SIGN SUPPORTS EACH		
12-02R	1207+90	Right		W1-4L	Left Reverse Curve		30X30	---	---	---	---	---	1	1		
12-03R	1207+90	Right		W13-1	Advisory Speed Plate (Yellow Back)	35	18X18	---	---	---	---	---	1	---	12-02R	
12-04	1210+00	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
12-05R	1210+00	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
12-06	1213+00	Right		W1-4L	Left Reverse Curve		30X30	---	6.25	---	1	---	---	---		
12-07	1213+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	12-06	
13-00	1217+85	Right		W1-6	Night Arrow (Single)		48X24	---	8.00	---	1	---	---	---		
13-01	1220+40	Right		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
13-02	1225+55	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
13-03	1228+00	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
13-04	1232+50	Left		W1-4L	Left Reverse Curve		30X30	---	6.25	---	---	1	---	---		
13-05	1232+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	13-04	
14-00	1236+00	Right		I2-3-U	Community Population Name Sign (UNINCORPORATED)	Portland Unincorporated	54X24	9.00	---	---	2	---	---	---		
14-01R	1237+70	Right		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	14-02R	
14-02R	1237+70	Right		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
14-03	1238+00	Right		W3-5	Speed Limit _ Ahead [Arrow]	35	36X36	---	9.00	---	---	1	---	---		
14-04R	1239+90	Right		W3-5	Speed Limit _ Ahead [Arrow]		36X36	---	---	---	---	---	1	1		
14-05	1240+00	Right		J1-1	Junction Assembly	JCT X	24X39	6.50	---	---	1	---	---	---		
14-06R	1239+40	Left		W1-4L	Left Reverse Curve		30X30	---	---	---	---	---	1	1		
14-07R	1239+40	Left		W13-1	Advisory Speed Plate (Yellow Back)	35	18X18	---	---	---	---	---	1	1		
14-08R	1240+00	Left	Nautical Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
14-09	1240+00	Left	Nautical Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
14-10R	1242+00	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
14-11	1242+00	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
14-12R	1243+90	Left		R2-1	Speed Limit _ MPH	55	24X30	---	---	---	---	---	1	1		
14-13R	1244+10	Left			(Empty Post - No Sign)			---	---	---	---	---	---	1		Empty Post
14-14	1244+30	Left		R2-1	Speed Limit _ MPH	55	24X30	5.00	---	---	1	---	---	---		
14-15R	1243+90	Right		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
14-16	1244+30	Right		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	---	1	---	---	---		
14-17R	1245+30	Right		I-2-3-U	Community Population Name Sign (UNINCORPORATED)	Portland Unincorporated	54X24	---	---	---	---	---	1	1		
14-18	1245+50	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
14-19R	1245+50	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
14-20	1248+40	Left		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	1	---	---	---	---		
14-21R	1248+40	Left		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
14-22	1248+00	Right		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	1	---	---	---	---		
14-23R	1248+40	Right		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
15-00	1249+00	Left		J4-1	Reassurance Assembly (One Headed Route Panel)	West 33	24X36	6.00	---	---	1	---	---	---		
15-01	1249+90	Right		J13-1	Directional Without Cardinal (One Headed Route Panel)	X [Ahead and Left Arrow]	24X45	7.50	---	---	---	1	---	---		
15-02R	1250+00	Right		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
15-03R	1250+00	Right		M6-6	Directional Arrows LA/UA COMBO OR UA/RA		21X21	---	---	---	---	---	1	---	15-02R	
15-04	1250+45	Right		W1-7	Night Arrow (Double)		48X24	---	8.00	---	1	---	---	---		
15-05	1250+00	Left	CTH X	J13-2	Directional Without Cardinal (Two Headed Route Panel)	X - 33 [Left Arrow] - [Double Arrow]	48X45	15.00	---	---	1	---	---	---		
15-06R	1250+00	Left	CTH X	M1-6	State Route Marker	33	24X24	---	---	---	---	---	1	1		
15-07R	1250+00	Left	CTH X	M6-4	Directional Arrows Left - Right		21X21	---	---	---	---	---	1	---	15-06R	
15-08	1250+05	Left	CTH X	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
15-09R	1250+05	Left	CTH X	R1-1	Stop		30X30	---	---	---	---	---	1	1		
15-10R	1251+00	Left		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
15-11R	1251+00	Left		M6-1	Arrow - RIGHT, LEFT, OR AHEAD		21X21	---	---	---	---	---	1	---	15-10R	
15-12	1251+00	Left		J13-1	Directional Without Cardinal (One Headed Route Panel)	X [Right Arrow]	24X45	7.50	---	---	1	---	---	---		
15-13	1252+60	Right		J13-1	Directional Without Cardinal (One Headed Route Panel)	X [Right Arrow]	24X45	7.50	---	---	1	---	---	---		
15-14R	1252+60	Right		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
15-15R	1252+60	Right		M6-1	Arrow - RIGHT, LEFT, OR AHEAD		21X21	---	---	---	---	---	1	---	15-14R	
SHEET TOTALS								89.36	84.00	10	12	3	25	20		

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SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210 SIGNS TYPE II	637.2230 SIGNS TYPE II	634.0614 POSTS 14 FT EACH	634.0616 WOOD 4X6 16 FT EACH	634.0618 INCH 18 FT EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
								REFLECTIVE H SF	REFLECTIVE F SF							
15-16	1253+50	Left	Nash Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
15-17R	1253+50	Left	Nash Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
15-18	1254+40	Left		J13-1	Directional Without Cardinal (One Headed Route Panel)	X	24X45	7.50	---	---	---	1	---	---		
						[Ahead and Left Arrow]		---	---	---	---	---	---	---		
15-19R	1254+40	Left		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
15-20R	1254+40	Left		M6-6	Directional Arrows LA/UA COMBO OR UA/RA		21X21	---	---	---	---	---	1	---	15-19R	
15-21	1253+80	Right	CTH X	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
15-22R	1253+80	Right	CTH X	R1-1	Stop		30X30	---	---	---	---	---	1	1		
15-23R	1253+83	Right	CTH X	M1-6	State Route Marker	33	24X24	---	---	---	---	---	1	1		
15-24R	1253+83	Right	CTH X	M6-4	Directional Arrows Left - Right		21X21	---	---	---	---	---	1	---	15-23R	
15-25	1253+83	Right	CTH X	J13-2	Directional Without Cardinal (Two Headed Route Panel)	X - 33	48X45	15.00	---	---	1	---	---	---		
						[Left Arrow] - [Double Arrow]		---	---	---	---	---	---	---		
15-26	1255+00	Right		J4-1	Reassurance Assembly (One Headed Route Panel)	East	24X36	6.00	---	---	1	---	---	---		
						33		---	---	---	---	---	---	---		
15-27R	1258+00	Right		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
15-28	1258+00	Right		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	---	1	---	---	---		
15-29	1258+00	Left		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	---	1	---	---	---		
15-30R	1258+00	Left		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
15-31	1261+00	Left	Nash Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
15-32R	1261+00	Left	Nash Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
15-33R	1262+00	Left		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	15-34R	
15-34R	1262+00	Left		M1-5-A	County Marker	X	24X24	---	---	---	---	---	1	1		
16-00R	1264+00	Left		I-2-3-U	Community Population Name Sign (UNINCORPORATED)	Portland Unincorporated	54X24	---	---	---	---	---	1	1		
								---	---	---	---	---	---	---		
16-01	1264+70	Left		J1-1	Junction Assembly	JCT	24X39	6.50	---	---	1	---	---	---		
						X		---	---	---	---	---	---	---		
16-02R	1266+70	Left		R2-1	Speed Limit _ MPH	35	24X30	---	---	---	---	---	1	1		
16-03	1266+70	Left		R2-1	Speed Limit _ MPH	35	24X30	5.00	---	---	1	---	---	---		
16-04	1266+70	Right		R2-1	Speed Limit _ MPH	55	24X30	5.00	---	---	1	---	---	---		
16-05R	1266+70	Right		R2-1	Speed Limit _ MPH	55	24X30	---	---	---	---	---	1	1		
16-06R	1270+40	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	---	---	16-08R	
16-07	1270+40	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
16-08R	1270+40	Left		R2-5-A	Reduced Speed Ahead		24X30	---	---	---	---	---	1	1		
16-09R	1270+40	Left		W13-1W	Advisory Speed - WHITE Back	35	18X18	---	---	---	---	---	1	---	16-08R	
16-10R	1271+25	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	---	16-13R	
16-11R	1271+25	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	16-13R	
16-12	1271+25	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
16-13R	1271+25	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
16-14	1273+00	Left		W3-5	Speed Limit_Ahead [Arrow]	35	36X36	---	9.00	---	1	---	---	---		
16-15	1275+00	Left		I2-3-U	Community Population Name Sign (UNINCORPORATED)	Portland Unincorporated	54X24	9.00	---	2	---	---	---	---		
								---	---	---	---	---	---	---		
16-16	1274+80	Right	Navajo Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
16-17R	1274+80	Right	Navajo Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
17-00	1285+30	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
17-01R	1285+30	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
17-02R	1285+30	Left		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
17-03R	1285+30	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	17-02R	
17-04R	1285+30	Right		W1-4R	Right Reverse Curve		30X30	---	---	---	---	---	1	1		
17-05R	1285+30	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	17-04R	
17-06R	1285+30	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
17-07	1285+30	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
17-08	1287+40	Right		W1-4R	Right Reverse Curve		30X30	---	6.25	---	1	---	---	---		
17-09	1287+40	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	17-08	
17-10	1292+90	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
18-00R	1299+30	Left	Nebraska Ave	R1-1	Stop		30X30	---	---	---	---	---	1	1		
18-01	1299+30	Left	Nebraska Ave	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
19-00	1303+60	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
19-01	1308+75	Right		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
19-02	1313+80	Right		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
19-03R	1316+90	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
19-04R	1316+90	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	19-03R	
SHEET TOTALS								89.90	73.50	15	9	1	29	20		

STATE PROJECT NO: 5122-02-61

HWY: STH 33

COUNTY: MONROE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

3

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SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210	637.2230	634.0614	634.0616	634.0618	638.2602	638.3000	SIGN MOUNTED ON SAME POST AS	REMARKS	
								SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	POSTS 14 FT EACH	WOOD 4X6 16 FT EACH	INCH 18 FT EACH	REMOVING SIGN TYPE II EACH	REMOVING SMALL SUPPORTS EACH			
20-00	1319+00	Right		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---			
20-01	1319+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	2.25	---	---	---	---	---	20-00		
20-02	1319+15	Left		W1-4R	Right Reverse Curve		30X30	---	6.25	---	---	1	---	---			
20-03	1319+15	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	20-02		
20-04R	1320+00	Left		W1-4R	Right Reverse Curve		30X30	---	---	---	---	---	1	1			
20-05R	1320+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	20-04R		
20-06	1331+00	Left		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---			
20-07	1331+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	2.25	---	---	---	---	---	20-06		
20-08R	1332+10	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1			
20-09R	1332+10	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	20-08R		
21-00	1333+00	Right		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---			
21-01	1333+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	21-00		
21-02R	1333+00	Left		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1			
21-03R	1333+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	---	---	---	---	1	---	21-02R		
21-04	1347+00	Left		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---			
21-05	1347+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	21-04		
21-06	1349+20	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---			
21-07R	1349+20	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1			
22-00R	1352+90	Left		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1			
22-01R	1352+90	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	22-00R		
22-02R	1354+00	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1			
22-03	1354+00	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---			
22-04	1362+60	Right		J1-1	Junction Assembly	JCT PC	24X39	6.50	---	---	1	---	---	---			
23-00R	1366+00	Right		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	23-01R		
23-01R	1366+00	Right		M1-5-A	County Marker	PC	24X24	---	---	---	---	---	1	1			
23-02	1368+00	Right		I-55-56	Adopt-A-Highway [Sponsor]	Cashton Junior High Science	30X36	7.50	---	---	1	---	---	---			
23-03R	1368+50	Right		I-55-56	Adopt-A-Highway [Sponsor]	Cashton Junior High Science	30X36	---	---	---	---	---	1	---	23-04R		
23-04R	1368+50	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1			
23-05	1368+50	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---			
23-06R	1372+30	Right		M1-5-A	County Marker	PC	24X24	---	---	---	---	---	1	1			
23-07R	1372+30	Right		M6-1	Arrow - RIGHT, LEFT, OR AHEAD		21X21	---	---	---	---	---	1	---	23-06R		
23-08	1372+30	Right		J13-1	Directional Without Cardinal (One Headed Route Panel)	PC [Right Arrow]	24X45	7.50	---	---	1	---	---	---			
23-09	1371+80	Left		J4-1	Reassurance Assembly (One Headed Route Panel)	West 33	24X36	6.00	---	---	1	---	---	---			
23-10	1372+70	Left	Newland Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---			
23-11R	1372+70	Left	Newland Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1			
23-12	1373+60	Left		J13-1	Directional Without Cardinal (One Headed Route Panel)	PC [Left Arrow]	24X45	7.50	---	---	1	---	---	---			
23-13R	1373+60	Left		M1-5-A	County Marker	PC	24X24	---	---	---	---	---	1	1			
23-14R	1373+60	Left		M6-1	Arrow - RIGHT, LEFT, OR AHEAD		21X21	---	---	---	---	---	1	---	23-13R		
23-15	1373+30	Right	CTH PC	R1-1	Stop		30X30	5.18	---	1	---	---	---	---			
23-16R	1373+30	Right	CTH PC	R1-1	Stop		30X30	---	---	---	---	---	1	1			
23-17R	1373+30	Right	CTH PC	M1-6	State Route Marker	33	24X24	---	---	---	---	---	1	1			
23-18R	1373+30	Right	CTH PC	M6-4	Directional Arrows Left - Right		21X21	---	---	---	---	---	1	---	23-17R		
23-19	1373+30	Right	CTH PC	J13-1	Directional Without Cardinal (One Headed Route Panel)	33 [Double Arrow]	24X45	7.50	---	---	1	---	---	---			
23-20	1374+10	Right		J4-1	Reassurance Assembly (One Headed Route Panel)	East 33	24X36	6.00	---	---	1	---	---	---			
23-21R	1376+00	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1			
23-22R	1376+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	23-21R		
23-23R	1377+75	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1			
23-24	1377+75	Left		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---			
24-00R	1381+00	Left		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	24-01R		
24-01R	1381+00	Left		M1-5-A	County Marker	PC	24X24	---	---	---	---	---	1	1			
SHEET TOTALS								58.86	66.50	5	12	1	27	16			
STATE PROJECT NO: 5122-02-61					HWY: STH 33			COUNTY: MONROE			MISCELLANEOUS QUANTITIES				SHEET NO:		E

STATE PROJECT NO: 5122-02-61

HWY: STH 33

COUNTY: MONROE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

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SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210 SIGNS TYPE II	637.2230 SIGNS TYPE II	634.0614 POSTS	634.0616 WOOD 4X6	634.0618 INCH	638.2602 REMOVING SIGNS	638.3000 REMOVING SMALL SIGN SUPPORTS	SIGN MOUNTED ON SAME POST AS	REMARKS
								REFLECTIVE H SF	REFLECTIVE F SF	14 FT EACH	16 FT EACH	18 FT EACH	TYPE II EACH	TYPE II EACH		
24-02	1381+75	Right		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---		
24-03	1381+75	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	24-02	
24-04	1383+75	Left		J1-1	Junction Assembly	JCT PC	24X39	6.50	---	---	1	---	---	---		
24-05	1389+60	Left		W1-6	Night Arrow (Single)		48X24	---	8.00	1	---	---	---	---		
24-06R	1391+60	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
24-07	1393+75	Left		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
24-08	1393+75	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	2.25	---	---	---	---	---	24-07	
25-00R	1397+50	Left		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
25-01R	1397+50	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	25-00R	
25-02R	1404+40	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
25-03R	1404+40	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	25-02R	
25-04	1407+00	Right		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---		
25-05	1407+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	25-04	
25-06R	1408+30	Left		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
26-00R	1411+40	Left	Ocelot Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
26-01	1411+40	Left	Ocelot Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
26-02	1417+85	Left		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
26-03	1417+85	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	26-02	
26-04R	1421+90	Right		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
26-05R	1421+90	Right		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	26-04R	
26-06R	1423+30	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
26-07	1423+30	Right		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
26-08	1423+30	Left		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
26-09R	1423+30	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
26-10R	1423+30	Left		W1-2L	Left Curve		30X30	---	---	---	---	---	1	---	26-09R	
26-11R	1423+30	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	26-09R	
27-00	1427+00	Right		W1-2L	Left Curve		30X30	---	6.25	---	1	---	---	---		
27-01	1427+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	27-00	
27-02R	1437+70	Right	Oakdale Ave	R1-1	Stop		30X30	---	---	---	---	---	1	1		
27-03	1437+70	Right	Oakdale Ave	R1-1	Stop		30X30	5.18	---	---	1	---	---	---		
28-00	1443+00	Left		W1-2R	Right Curve		30X30	---	6.25	---	1	---	---	---		
28-01	1443+00	Left		W13-1	Advisory Speed Plate (Yellow Back)	45	18X18	---	2.25	---	---	---	---	---	28-00	
28-02R	1445+50	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
28-03	1445+50	Right		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
28-04R	1447+75	Left		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
28-05R	1447+75	Left		W13-1	Advisory Speed Plate (Yellow Back)	40	18X18	---	---	---	---	---	1	---	28-04R	
29-00R	1455+00	Right		W1-2R	Right Curve		30X30	---	---	---	---	---	1	1		
29-01R	1455+00	Right		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	29-00R	
29-02	1457+50	Left		W14-3	No Passing Zone		48X36	---	6.00	---	1	---	---	---		
29-03R	1457+50	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
29-04	1459+85	Left	Odyssey Rd	R1-1	Stop		30X30	5.18	---	---	1	---	---	---		
29-05R	1459+85	Left	Odyssey Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
29-06R	1460+30	Right	Odyssey Rd	R1-1	Stop		30X30	---	---	---	---	---	1	1		
29-07	1460+30	Right	Odyssey Rd	R1-1	Stop		30X30	5.18	---	1	---	---	---	---		
30-00R	1470+90	Left		W3-1	Stop Ahead		36X36	---	---	---	---	---	1	1		
30-01R	1470+90	Right		W3-1	Stop Ahead		36X36	---	---	---	---	---	1	1		
30-02	1473+00	Right		J1-1	Junction Assembly	JCT 27	24X39	6.50	---	---	1	---	---	---		
30-03	1473+00	Left		D2-1	Destination/Distance (One) with Die Cut Letters	La Crosse 28	78X15	8.13	---	2	---	---	---	---		
30-04R	1474+50	Right		M2-1	Junction Marker		21X15	---	---	---	---	---	1	---	30-05R	
30-05R	1474+50	Right		M1-6	State Route Marker	27	24X24	---	---	---	---	---	1	1		
30-06R	1474+50	Right		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
30-07	1474+50	Right		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
30-08	1475+00	Right		W3-1	Stop Ahead		36X36	---	9.00	---	1	---	---	---		
30-09	1475+00	Left		W3-1	Stop Ahead		36X36	---	9.00	---	1	---	---	---		
30-10R	1475+00	Left		D2-2	Destination/Distance (Two) with Die Cut Letters	Middle Ridge 10 La Crosse 29	78X24	---	---	---	---	---	1	2		
30-11R	1477+80	Left		W14-3	No Passing Zone		48X36	---	---	---	---	---	1	1		
30-12R	1477+80	Left		W1-2L	Left Curve		30X30	---	---	---	---	---	1	1		
30-13R	1477+80	Left		W13-1	Advisory Speed Plate (Yellow Back)	50	18X18	---	---	---	---	---	1	---	30-12R	
SHEET TOTALS								41.85	107.00	6	16	0	31	23		

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SIGN NUMBER	APPROX. STATION	POSITION	SITE ID	SIGN CODE	SIGN DESCRIPTION	ORDER LINES	SIGN SIZE IN X IN	637.2210 SIGNS TYPE II	637.2230 SIGNS TYPE II	634.0614 POSTS	634.0616 WOOD 4X6 INCH	634.0618 18 FT	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	SIGN MOUNTED ON SAME POST AS	REMARKS
								REFLECTIVE H SF	REFLECTIVE F SF	14 FT EACH	16 FT EACH	18 FT EACH	TYPE II EACH	TYPE II EACH		
30-14	1477+80	Left		W14-3	No Passing Zone		48X36	---	6.00	1	---	---	---	---		
30-15	1478+50	Right		J2-3	Route Turn Assembly (3 Headed Route Panel)	North - East - South 27 - 33 - 27 [Advance Arrow Left Turn - Up Arrow - Advance Arrow Right Turn]	72X57	28.50	---	---	---	2	---	---		
30-16R	1478+60	Right		D1-3	Triple Destination/Arrow	[UA] Cashton [LA] Melvina Westby [RA]	66X36	---	---	---	---	---	1	2		
30-17R	1479+50	Left		I-55-56	Adopt-A-Highway [Sponsor]	Cashton Junior High Science	30X36	---	---	---	---	---	1	1		
30-18	1479+50	Left		I-55-56	Adopt-A-Highway [Sponsor]	Cashton Junior High Science	30X36	7.50	---	1	---	---	---	---		
30-19	1480+50	Right		D1-3	Triple Destination/Arrow	[UA] Cashton [LA] Melvina Westby [RA]	60X42	17.50	---	---	2	---	---	---		
30-20R	1481+00	Left		R2-1	Speed Limit _ MPH	55	24X30	---	---	---	---	---	1	1		
30-21	1481+00	Left		R2-1	Speed Limit _ MPH	55	24X30	5.00	---	1	---	---	---	---		
30-22R	1481+40	Right		R7-1L	No Parking Any Time - LEFT Arrow		18X24	---	---	---	---	---	1	1		
30-23	1481+40	Right		R7-1L	No Parking Any Time - LEFT Arrow		24X30	5.00	---	1	---	---	---	---		
SHEET TOTALS								63.50	6.00	4	2	2	4	5		
PROJECT TOTALS								446.16	507.25	56	76	7	177	123		

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TRAFFIC CONTROL DRUMS					PAVEMENT MARKING SUMMARY											
643. 0300					PAVEMENT MARKING EPOXY 4- INCH 646. 0106					PAVEMENT MARKING EPOXY 8- INCH 646. 0126	PAVEMENT MARKING SAME DAY EPOXY 4- 646. 0406	PAVEMENT MARKING STOP LINE EPOXY 12- 647. 0556				
CATEGORY	STATION	LOCATION	DAY	REMARKS	CATEGORY	STATION TO	STATION	LOCATION	LF	LF	LF	LF	REMARKS			
0010	1054+74	STH 33	15	PIPE REMOVAL	0010	1035+57 -	1059+07	STH 33	-	-	4700	-	DOUBLE YELLOW CENTERLINE			
0010	1103+63	STH 33	15	PIPE REMOVAL	0010	1035+57	1042+40	STH 33, RIGHT	680	-	-	-	WHITE EDGELINE			
0010	1150+70	STH 33	15	PIPE REMOVAL	0010	1035+57	1090+07	STH 33, LEFT	5450	-	-	-	WHITE EDGELINE			
0010	1171+13	STH 33	15	PIPE REMOVAL	0010	1043+55	1090+35	STH 33, RIGHT	4680	-	-	-	WHITE EDGELINE			
0010	1254+85 - 1258+10	STH 33	60	GUARDRAIL REMOVAL	0010	1059+07 -	1067+07	STH 33	-	-	1000	-	YELLOW CENTERLINE			
0010	1307+33	STH 33	15	PIPE REMOVAL	0010	1067+07 -	1071+07	STH 33	-	-	100	-	DASHED YELLOW CENTERLINE			
0010	1426+70	STH 33	15	PIPE REMOVAL	0010	1071+07 -	1079+07	STH 33	-	-	1000	-	YELLOW CENTERLINE			
0010	1447+91	STH 33	15	PIPE REMOVAL	0010	1079+07 -	1175+00	STH 33	-	-	19190	-	DOUBLE YELLOW CENTERLINE			
0010	1470+30	STH 33	15	PIPE REMOVAL	0010	1091+00	1109+55	STH 33, RIGHT	1855	-	-	-	WHITE EDGELINE			
TOTAL 0010			180		0010	1091+40	1123+05	STH 33, LEFT	3165	-	-	-	WHITE EDGELINE			
TRAFFIC CONTROL SIGNS					0010	1110+70	1132+50	STH 33, RIGHT	2180	-	-	-	WHITE EDGELINE			
643. 0900					0010	1123+70	1175+50	STH 33, LEFT	5180	-	-	-	WHITE EDGELINE			
CATEGORY	STATION TO	STATION	LOCATION	DAY	REMARKS	0010	1133+35	1252+55	STH 33, RIGHT	11920	-	-	WHITE EDGELINE			
0010	1035+57 -	1483+52	STH 33	2200	40 SIGNS FOR 55 DAYS	0010	1175+00 -	1182+50	STH 33	-	-	938	-	YELLOW CENTERLINE		
TOTAL 0010			2200			0010	1177+65	1239+70	STH 33, LEFT	6205	-	-	-	WHITE EDGELINE		
MARKERS CULVERT END					0010	1182+50 -	1183+50	STH 33	-	-	200	-	DOUBLE YELLOW CENTERLINE			
633. 5200					0010	1183+50 -	1189+50	STH 33	-	-	750	-	YELLOW CENTERLINE			
CATEGORY	STATION	LOCATION	EACH	REMARKS	0010	1189+50 -	1196+50	STH 33	-	-	1400	-	DOUBLE YELLOW CENTERLINE			
0010	1054+74	STH 33	2	LEFT AND RIGHT	0010	1196+50 -	1203+00	STH 33	-	-	813	-	YELLOW CENTERLINE			
0010	1103+63	STH 33	2	LEFT AND RIGHT	0010	1203+00 -	1207+50	STH 33	-	-	113	-	DASHED YELLOW CENTERLINE			
0010	1171+13	STH 33	2	LEFT AND RIGHT	0010	1207+50 -	1214+00	STH 33	-	-	813	-	YELLOW CENTERLINE			
0010	1307+33	STH 33	2	LEFT AND RIGHT	0010	1214+00 -	1233+50	STH 33	-	-	3900	-	DOUBLE YELLOW CENTERLINE			
0010	1426+70	STH 33	2	LEFT AND RIGHT	0010	1233+50 -	1241+00	STH 33	-	-	938	-	YELLOW CENTERLINE			
0010	1447+91	STH 33	2	LEFT AND RIGHT	0010	1240+55	1249+90	STH 33, LEFT	935	-	-	-	WHITE EDGELINE			
0010	1470+30	STH 33	2	LEFT AND RIGHT	0010	1241+00 -	1244+50	STH 33	-	-	88	-	DASHED YELLOW CENTERLINE			
TOTAL 0010			14		0010	1244+50 -	1250+00	STH 33	-	-	688	-	YELLOW CENTERLINE			
TOTAL 0010						0010	1250+00 -	1261+00	STH 33	-	-	2200	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						0010	1251+05	1253+30	STH 33, LEFT	225	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1253+90	1273+90	STH 33, RIGHT	2000	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1254+60	1261+05	STH 33, LEFT	645	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1261+00 -	1268+00	STH 33	-	-	875	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1262+15	1299+10	STH 33, LEFT	3695	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1268+00 -	1274+50	STH 33	-	-	813	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1274+50 -	1282+00	STH 33	-	-	938	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1275+00	1372+40	STH 33, RIGHT	9740	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1282+00 -	1290+50	STH 33	-	-	1063	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1290+50 -	1343+00	STH 33	-	-	10500	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						0010	1300+25	1372+50	STH 33, LEFT	7225	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1343+00 -	1349+50	STH 33	-	-	813	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1349+50 -	1353+00	STH 33	-	-	88	-	DASHED YELLOW CENTERLINE		
TOTAL 0010						0010	1353+00 -	1361+50	STH 33	-	-	1063	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1361+50 -	1367+00	STH 33	-	-	688	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1367+00 -	1376+00	STH 33	-	-	225	-	DASHED YELLOW CENTERLINE		
TOTAL 0010						0010	1373+45	1411+40	STH 33, LEFT	3795	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1373+50	1437+20	STH 33, RIGHT	6370	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1376+00 -	1384+00	STH 33	-	-	1000	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1384+00 -	1415+00	STH 33	-	-	6200	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						0010	1412+95	1459+55	STH 33, LEFT	4660	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1415+00 -	1423+50	STH 33	-	-	1063	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1423+50 -	1432+00	STH 33	-	-	1063	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1432+00 -	1437+50	STH 33	-	-	1100	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						0010	1437+50 -	1444+00	STH 33	-	-	813	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1438+65	1459+65	STH 33, RIGHT	2100	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1444+00 -	1455+00	STH 33	-	-	275	-	DASHED YELLOW CENTERLINE		
TOTAL 0010						0010	1455+00 -	1462+50	STH 33	-	-	938	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1460+50	1483+50	STH 33, RIGHT	2300	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1460+60	1483+05	STH 33, LEFT	2245	-	-	-	WHITE EDGELINE		
TOTAL 0010						0010	1462+50 -	1473+00	STH 33	-	-	2100	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						0010	1473+00 -	1475+00	STH 33	-	-	250	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1475+00 -	1477+50	STH 33	-	-	63	-	DASHED YELLOW CENTERLINE		
TOTAL 0010						0010	1477+50 -	1482+00	STH 33	-	-	563	-	YELLOW CENTERLINE		
TOTAL 0010						0010	1482+90	1483+05	STH 33	-	30	-	-	INTERSECTION ISLAND CHANNELIZING		
TOTAL 0010						0010	1483+45		STH 33	-	-	-	15	STOP LINE		
TOTAL 0010						0010	1483+45		STH 33, RIGHT	-	-	-	15	STOP LINE		
TOTAL 0010						0010	1482+00 -	1483+52	STH 33	-	-	300	-	DOUBLE YELLOW CENTERLINE		
TOTAL 0010						TOTAL 0010				87250	30	71625	30			
STATE PROJECT NO: 5122-02-61			HWY: STH 33		COUNTY: MONROE			MISCELLANEOUS QUANTITIES			SHEET NO:			E		
FILE NAME : _____					PLOT DATE : _____					PLOT BY : _____					ORIGINATOR : DIST _	
PLOT NAME : _____					PLOT SCALE : 1:1											

TEMPORARY PAVEMENT MARKING REFLECTIVE PAINT 4-INCH

		649. 0200			
CATEGORY	STATION TO STATION	LOCATION	LF	REMARKS	
0010	1035+57 - 1059+07	STH 33	4700	MILLED SURFACE	
0010	1059+07 - 1067+07	STH 33	1000	MILLED SURFACE	
0010	1067+07 - 1071+07	STH 33	100	MILLED SURFACE	
0010	1071+07 - 1079+07	STH 33	1000	MILLED SURFACE	
0010	1079+07 - 1175+00	STH 33	19190	MILLED SURFACE	
0010	1175+00 - 1182+50	STH 33	938	MILLED SURFACE	
0010	1182+50 - 1183+50	STH 33	200	MILLED SURFACE	
0010	1183+50 - 1189+50	STH 33	750	MILLED SURFACE	
0010	1189+50 - 1196+50	STH 33	1400	MILLED SURFACE	
0010	1196+50 - 1203+00	STH 33	813	MILLED SURFACE	
0010	1203+00 - 1207+50	STH 33	113	MILLED SURFACE	
0010	1207+50 - 1214+00	STH 33	813	MILLED SURFACE	
0010	1214+00 - 1233+50	STH 33	3900	MILLED SURFACE	
0010	1233+50 - 1241+00	STH 33	938	MILLED SURFACE	
0010	1241+00 - 1244+50	STH 33	88	MILLED SURFACE	
0010	1244+50 - 1250+00	STH 33	688	MILLED SURFACE	
0010	1250+00 - 1261+00	STH 33	2200	MILLED SURFACE	
0010	1261+00 - 1268+00	STH 33	875	MILLED SURFACE	
0010	1268+00 - 1274+50	STH 33	813	MILLED SURFACE	
0010	1274+50 - 1282+00	STH 33	938	MILLED SURFACE	
0010	1282+00 - 1290+50	STH 33	1063	MILLED SURFACE	
0010	1290+50 - 1343+00	STH 33	10500	MILLED SURFACE	
0010	1343+00 - 1349+50	STH 33	813	MILLED SURFACE	
0010	1349+50 - 1353+00	STH 33	88	MILLED SURFACE	
0010	1353+00 - 1361+50	STH 33	1063	MILLED SURFACE	
0010	1361+50 - 1367+00	STH 33	688	MILLED SURFACE	
0010	1367+00 - 1376+00	STH 33	225	MILLED SURFACE	
0010	1376+00 - 1384+00	STH 33	1000	MILLED SURFACE	
0010	1384+00 - 1415+00	STH 33	6200	MILLED SURFACE	
0010	1415+00 - 1423+50	STH 33	1063	MILLED SURFACE	
0010	1423+50 - 1432+00	STH 33	1063	MILLED SURFACE	
0010	1432+00 - 1437+50	STH 33	1100	MILLED SURFACE	
0010	1437+50 - 1444+00	STH 33	813	MILLED SURFACE	
0010	1444+00 - 1455+00	STH 33	275	MILLED SURFACE	
0010	1455+00 - 1462+50	STH 33	938	MILLED SURFACE	
0010	1462+50 - 1473+00	STH 33	2100	MILLED SURFACE	
0010	1473+00 - 1475+00	STH 33	250	MILLED SURFACE	
0010	1475+00 - 1477+50	STH 33	63	MILLED SURFACE	
0010	1477+50 - 1482+00	STH 33	563	MILLED SURFACE	
0010	1482+00 - 1483+52	STH 33	300	MILLED SURFACE	
TOTAL 0010			71625		

CONSTRUCTION STAKING PIPE CULVERTS

		650. 6000			
CATEGORY	STATION	LOCATION	EACH	REMARKS	
0010	1054+74	STH 33	1	UNDER MAINLINE	
0010	1103+63	STH 33	1	UNDER MAINLINE	
0010	1171+13	STH 33	1	UNDER MAINLINE	
0010	1307+33	STH 33	1	UNDER MAINLINE	
0010	1426+70	STH 33	1	UNDER MAINLINE	
0010	1447+91	STH 33	1	UNDER MAINLINE	
0010	1470+30	STH 33	1	UNDER MAINLINE	
TOTAL 0010			7		

SAWING ASPHALT

		690. 0150			
CATEGORY	STATION	LOCATION	LF	REMARKS	
0010	1035+57	MAINLINE	24	STH 33	
0010	1044' M' +29	SIDEROAD	24	MACINTOSH RD	
0010	1089' MA' +82	SIDEROAD	21	MAGNUM RD	
0010	1091' MA' +75	SIDEROAD	24	CTH Y	
0010	1109' Y' +11	SIDEROAD	24	MAINSTREAM RD	
0010	1123' MJ' +97	SIDEROAD	15	MAJESTY RD	
0010	1132' ML' +07	SIDEROAD	22	MALAMUTE AVE	
0010	1177' MD' +21	SIDEROAD	21	MALLARD RD	
0010	1178' MN' +00	SIDEROAD	20	MANNA AVE	
0010	1251' X' +31	SIDEROAD	27	CTH X	
0010	1251' XX' +01	SIDEROAD	25	CTH X	
0010	1254' N' +95	SIDEROAD	41	NASH RD	
0010	1262' NS' +34	SIDEROAD	22	NASH RD	
0010	1273' NV' +55	SIDEROAD	20	NAVAJO RD	
0010	1300' NE' +69	SIDEROAD	24	NEBRASKA AVE	
0010	1372' PC' +11	SIDEROAD	23	CTH PC	
0010	1373' PC' +88	SIDEROAD	24	NEWLAND RD	
0010	1413' O' +03	SIDEROAD	18	OCELOT RD	
0010	1436' OC' +71	SIDEROAD	22	OAKDALE AVE	
0010	1459' OD' +34	SIDEROAD	18	ODYSSEY RD	
0010	1460' OD' +95	SIDEROAD	18	ODYSSEY RD	
0010	1483+52	MAINLINE	120	STH 33	
0010	1132+60	LEFT	15	P. E.	
0010	1141+00	LEFT	15	P. E.	
0010	1143+40	LEFT	15	P. E.	
0010	1151+10	RIGHT	15	P. E.	
0010	1227+20	RIGHT	15	P. E.	
0010	1229+35	RIGHT	15	P. E.	
0010	1256+75	RIGHT	15	P. E.	
0010	1302+80	LEFT	15	P. E.	
0010	1345+80	RIGHT	15	P. E.	
0010	1355+10	LEFT	15	P. E.	
0010	1445+60	LEFT	15	P. E.	
TOTAL 0010			762		

CONSTRUCTION STAKING RESURFACING REFERENCE

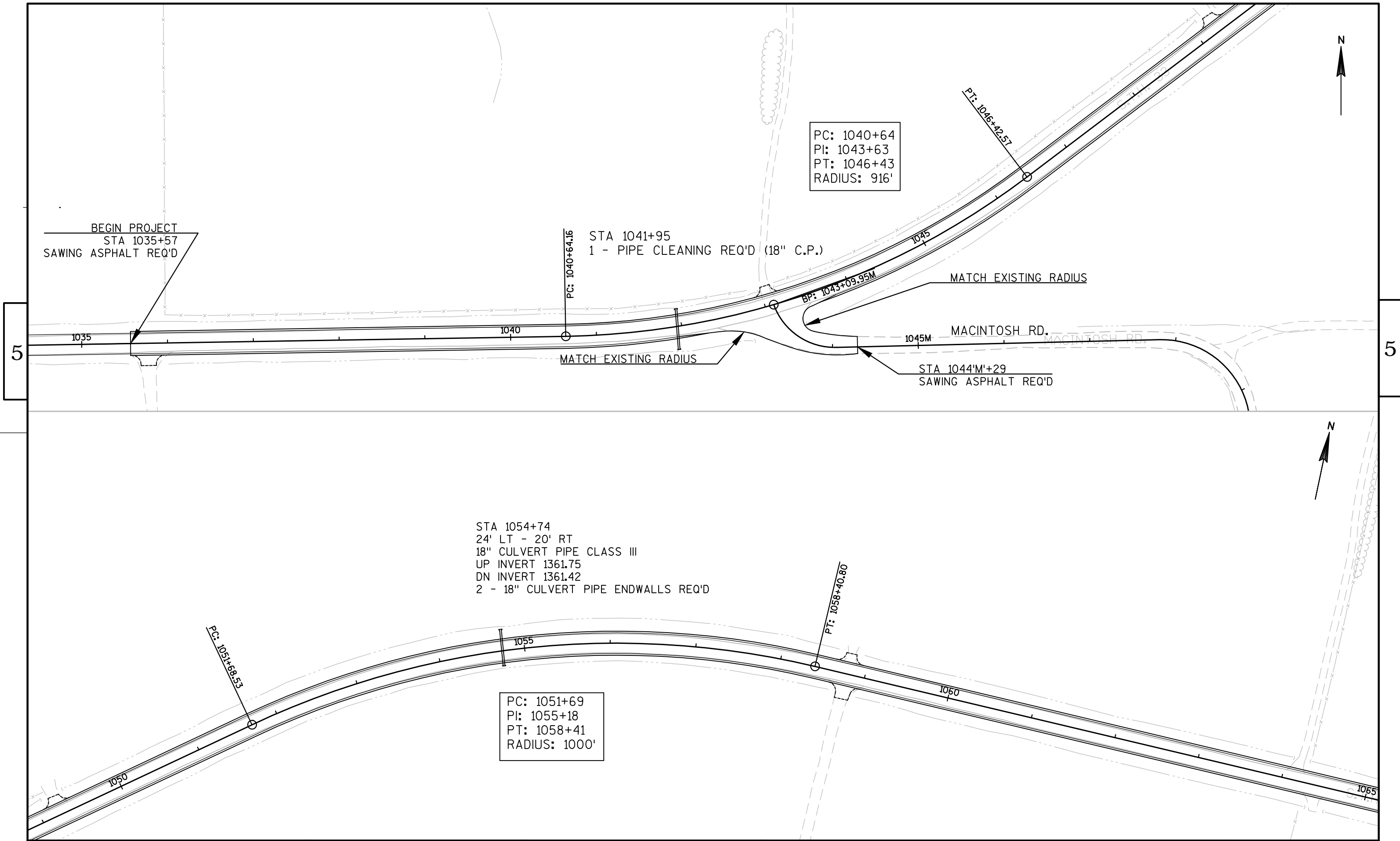
CATEGORY	STATION TO	STATION	LOCATION	650. 8000 LF	REMARKS
0010	1035+57	- 1483+52	STH 33	44795	MAINLINE
TOTAL 0010				44795	

SPECIAL 01. REMOVING HMA PAVEMENT NOTCHED WEDGE LONGITUDINAL JOINT MILLING

CATEGORY	STATION TO	STATION	LOCATION	SPV. 0090. 01 LF	REMARKS
0010	1035+57	- 1483+52	STH 33	44795	MAINLINE
TOTAL 0010				44795	

SPECIAL 02. DITCH CLEANING

CATEGORY	STATION TO	STATION	LOCATION	SPV. 0090. 02 LF	REMARKS
0010	1271+53	- 1272+53	STH 33	100	RIGHT
0010	1379+01	- 1380+01	STH 33	100	RIGHT
0010	1387+20	- 1388+20	STH 33	100	RIGHT
TOTAL 0010				300	



BEGIN PROJECT
STA 1035+57
SAWING ASPHALT REQ'D

PC: 1040+64
PI: 1043+63
PT: 1046+43
RADIUS: 916'

STA 1041+95
1 - PIPE CLEANING REQ'D (18" C.P.)

PT: 1046+42.57

MATCH EXISTING RADIUS

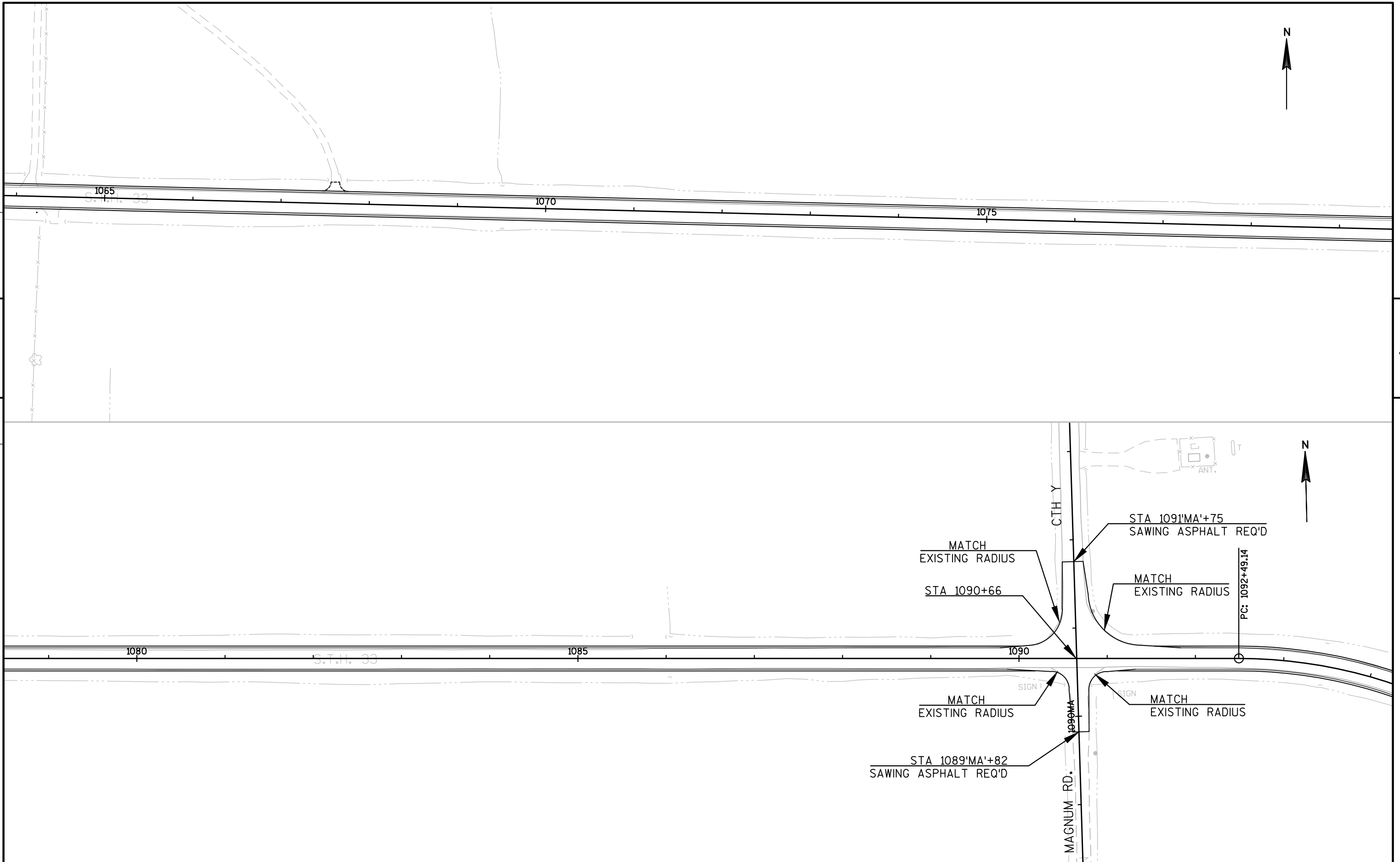
MACINTOSH RD.

STA 1044'+29
SAWING ASPHALT REQ'D

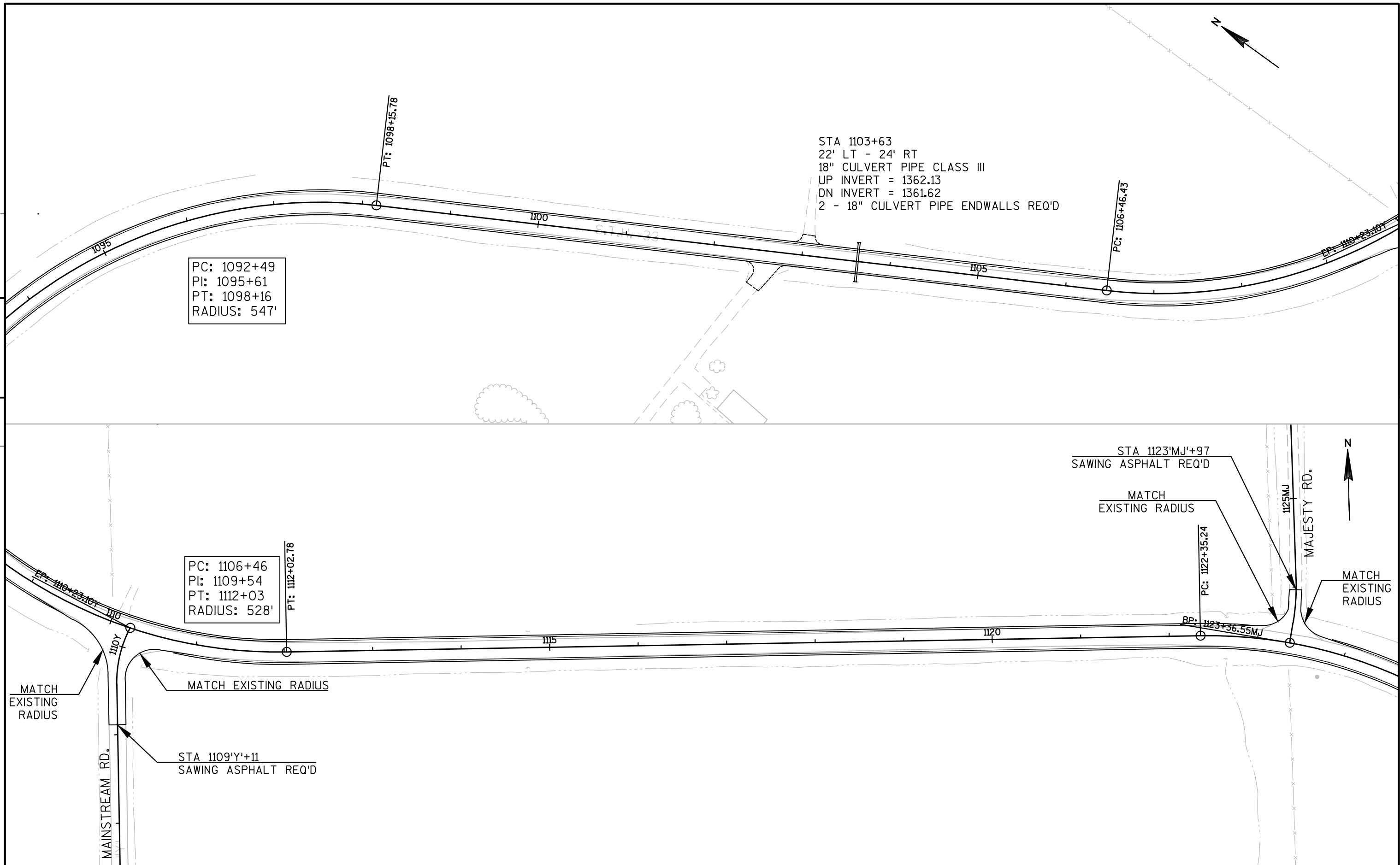
STA 1054+74
24' LT - 20' RT
18" CULVERT PIPE CLASS III
UP INVERT 1361.75
DN INVERT 1361.42
2 - 18" CULVERT PIPE ENDWALLS REQ'D

PC: 1051+69
PI: 1055+18
PT: 1058+41
RADIUS: 1000'

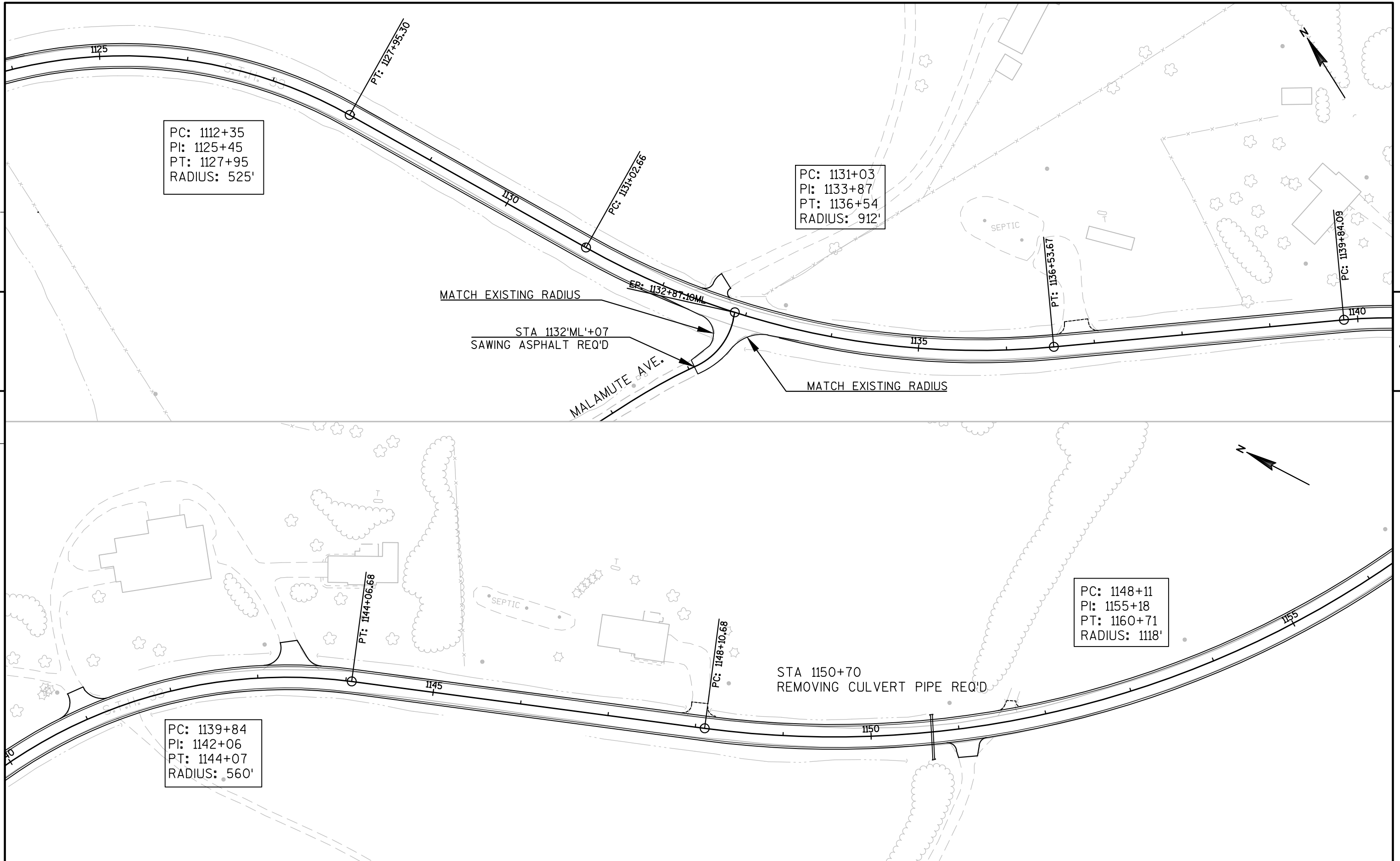
PT: 1058+40.80



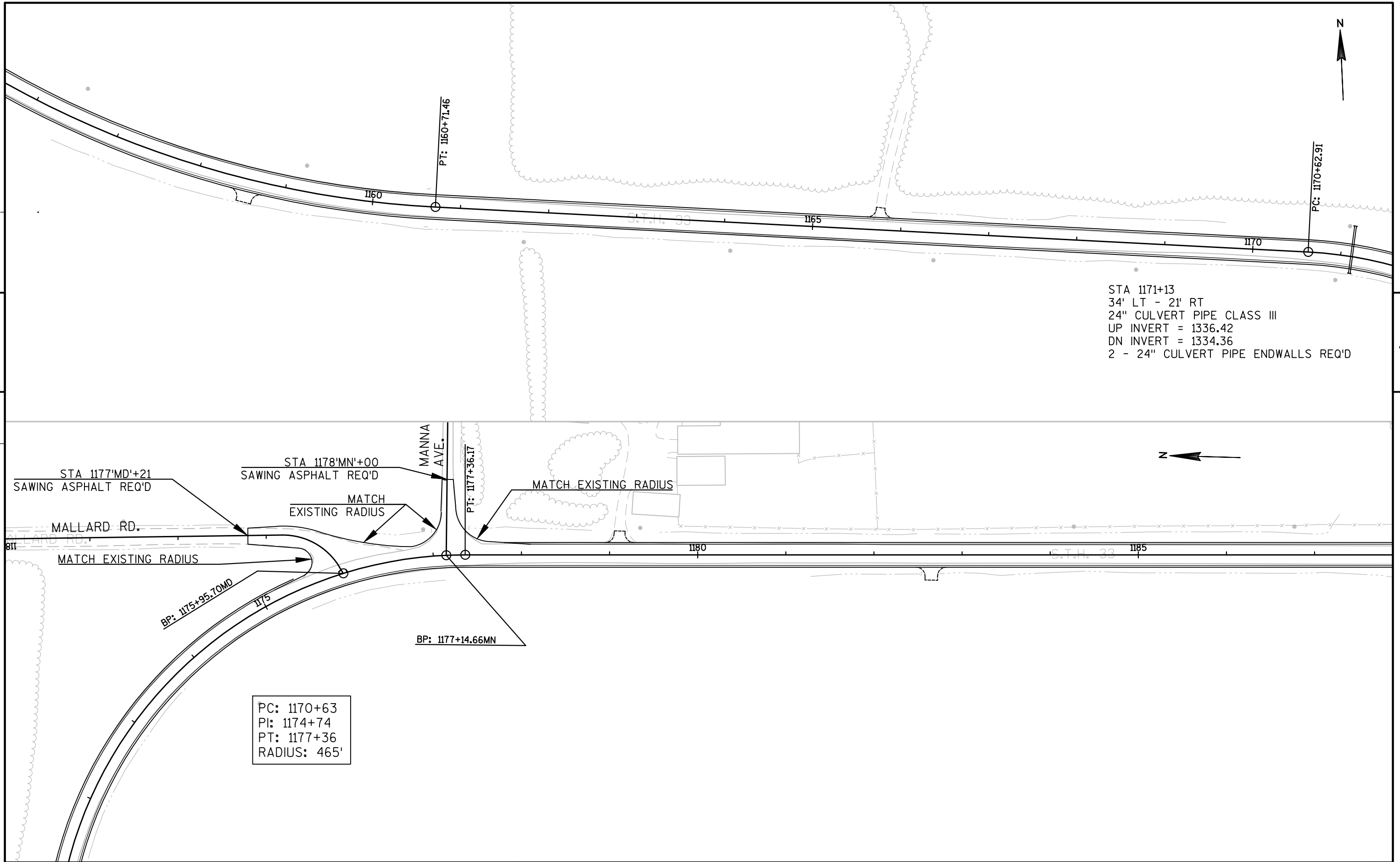
PROJECT NO: 5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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PROJECT NO:5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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PROJECT NO:5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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PROJECT NO:5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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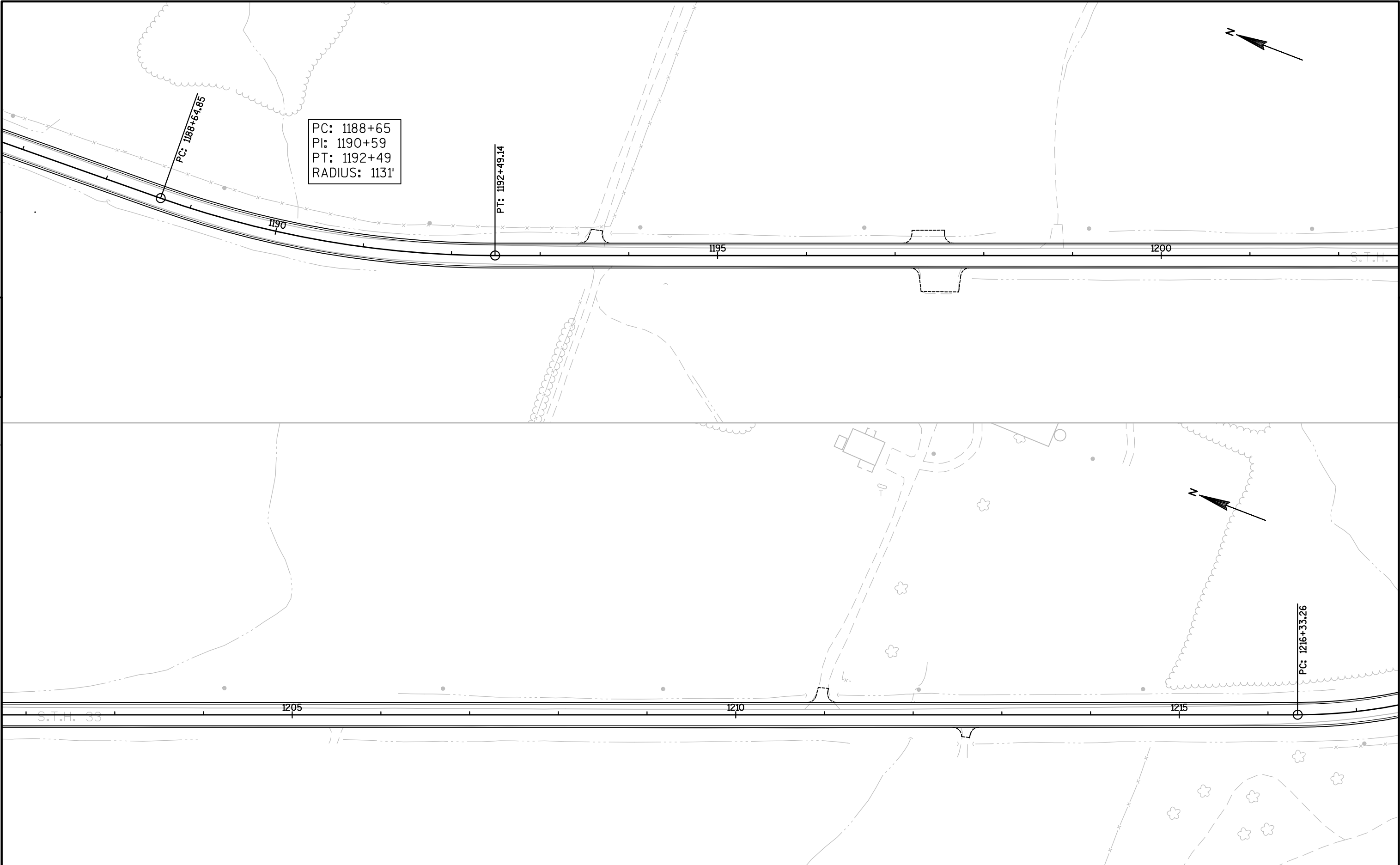
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PLOT BY : MIKSHOWSKY, TRAVIS J PLOT NAME :

PLOT SCALE : 1 IN:100 FT

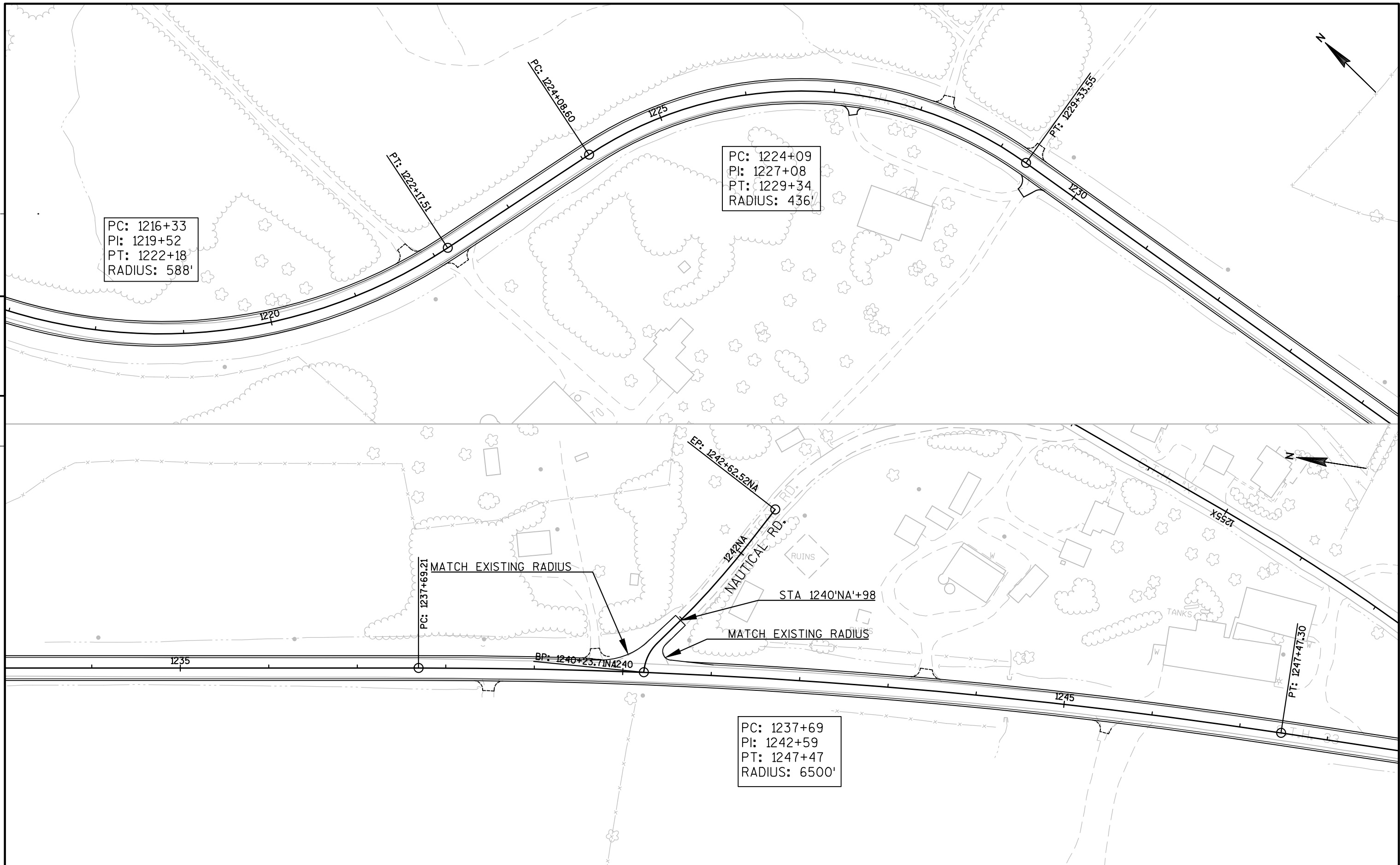
WISDOT/CADDs SHEET 41

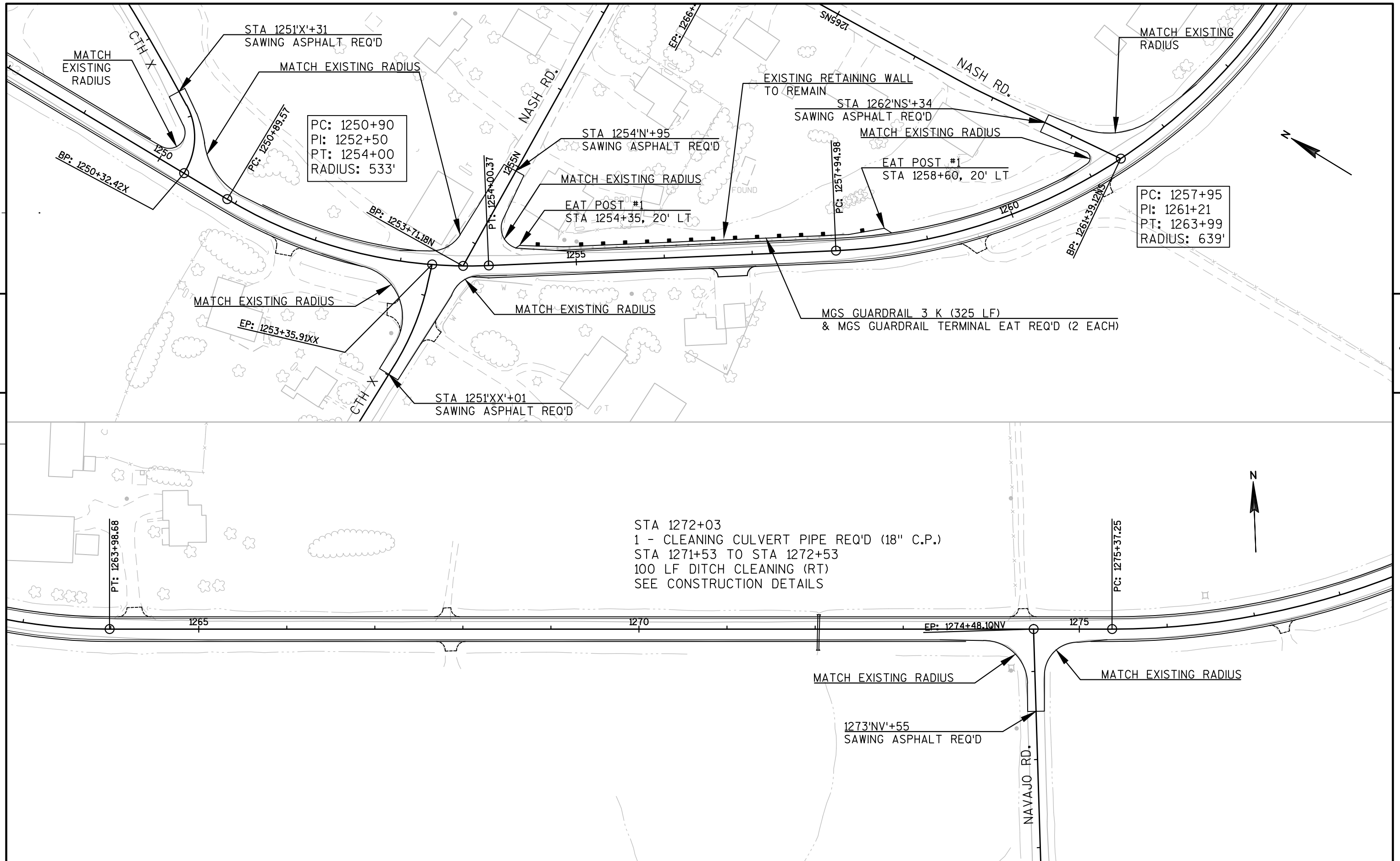
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PROJECT NO:5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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PROJECT NO: 5122-02-61

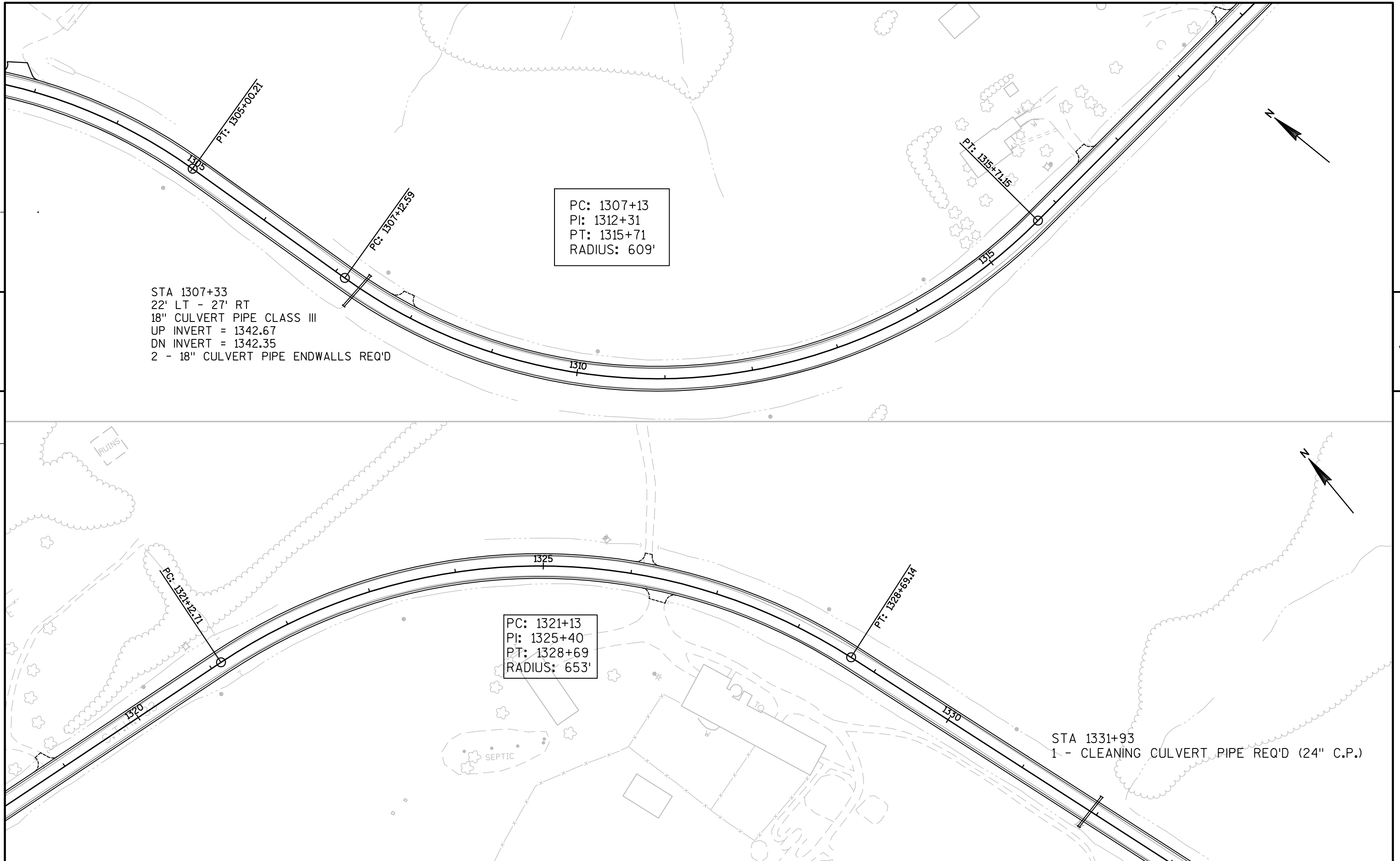
HWY: STH 33

COUNTY: MONROE

SPLIT PLAN

SHEET

E



PROJECT NO: 5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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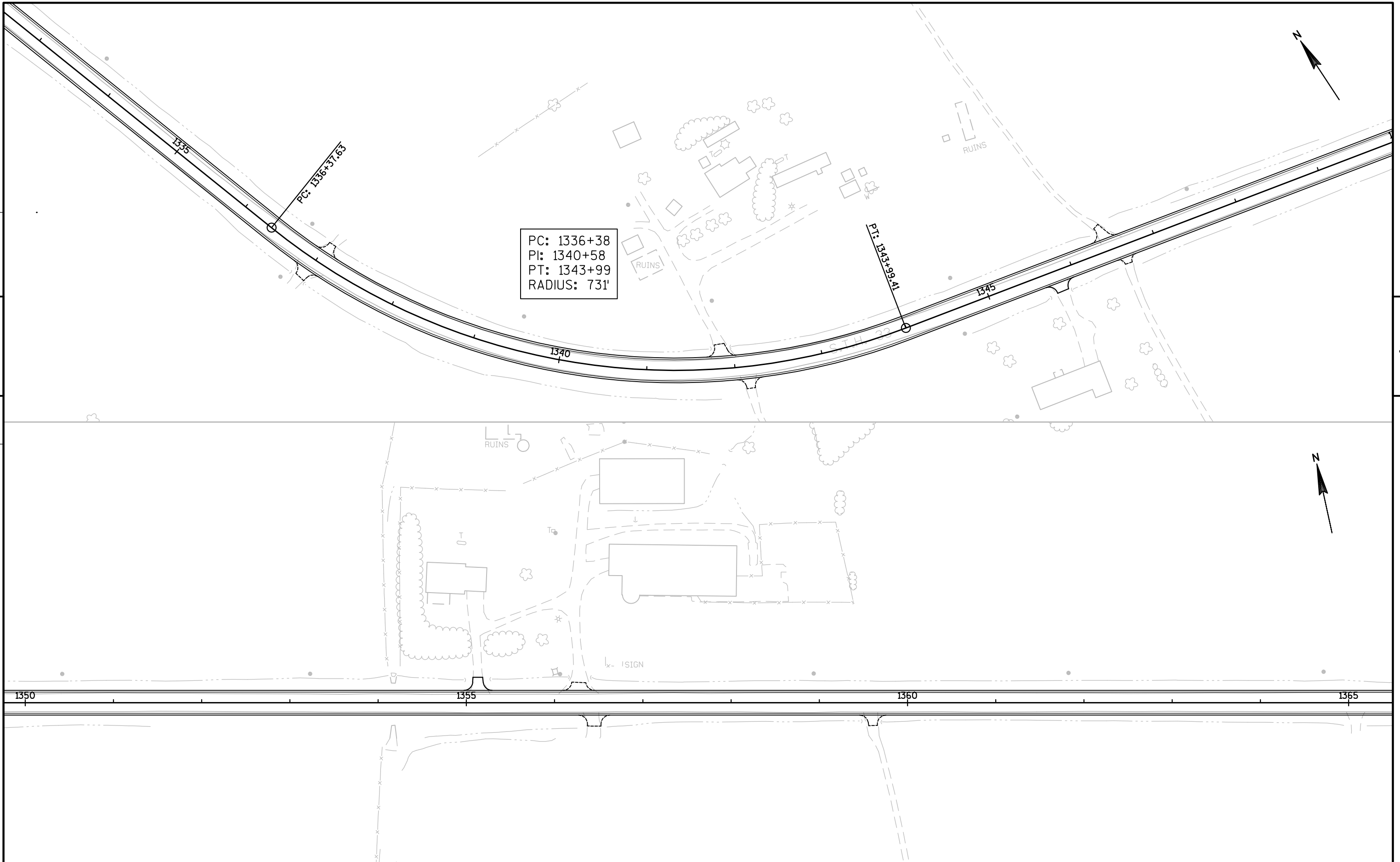
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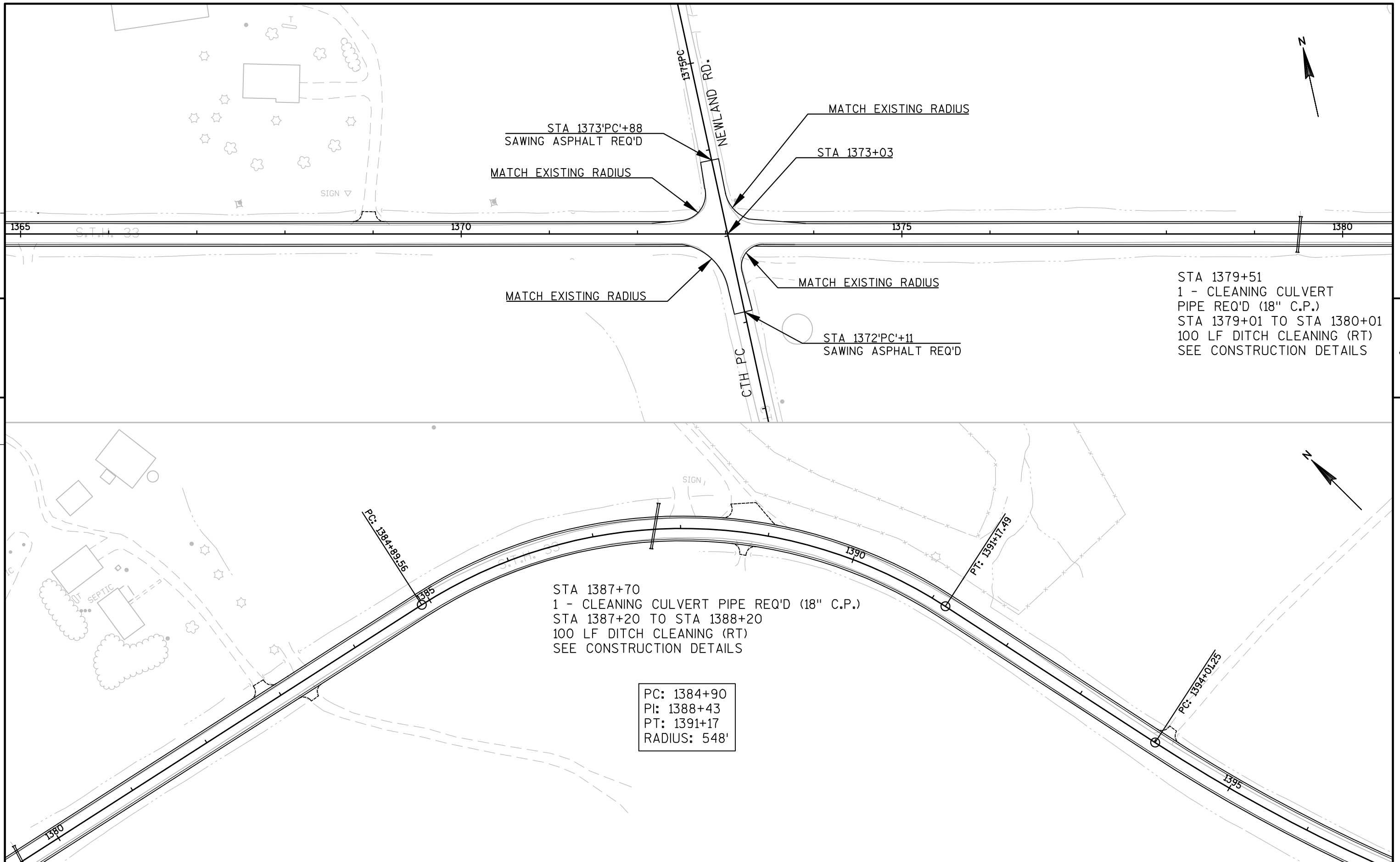
PLOT BY : MIKSHOWSKY, TRAVIS J

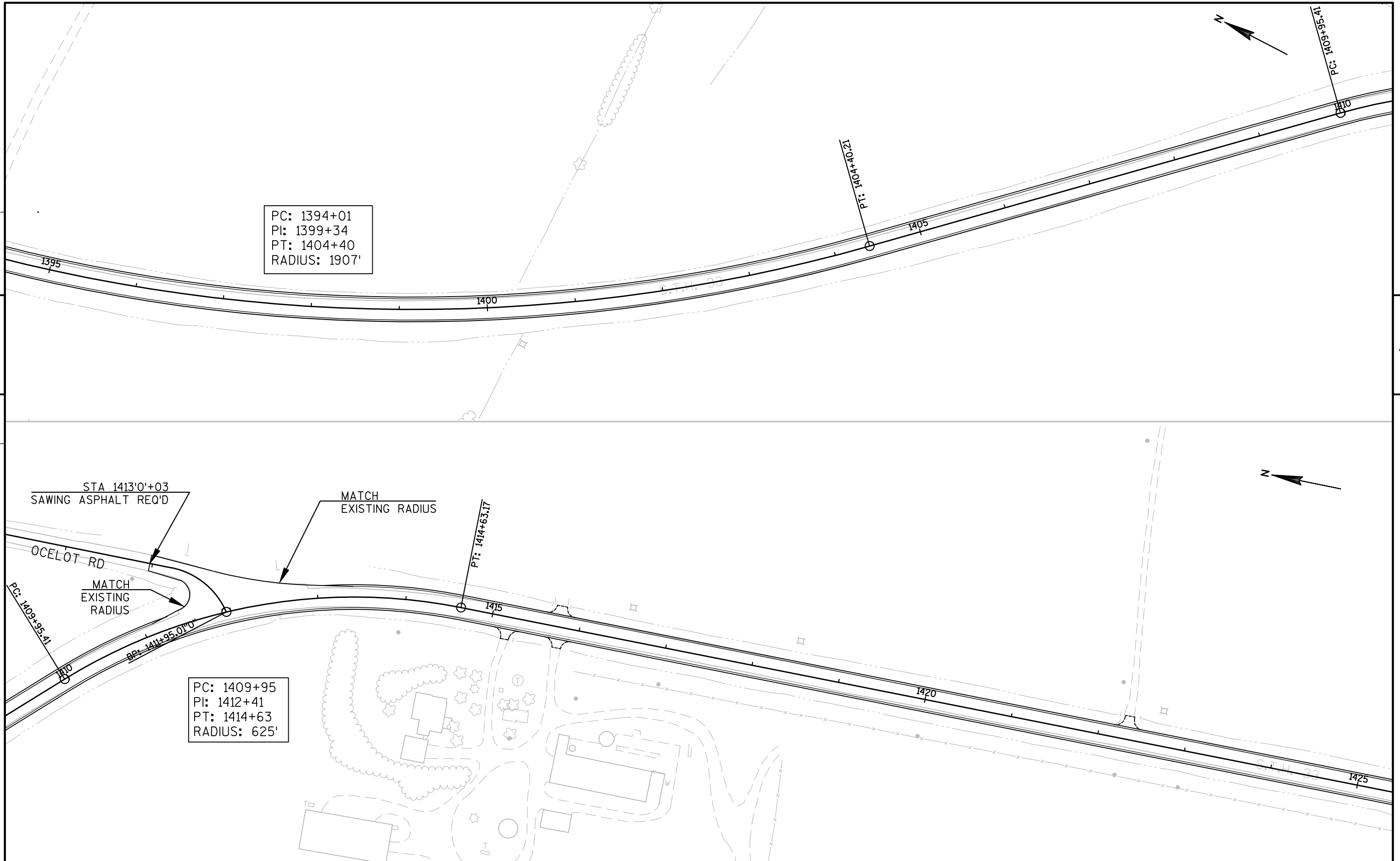
PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDs SHEET 41



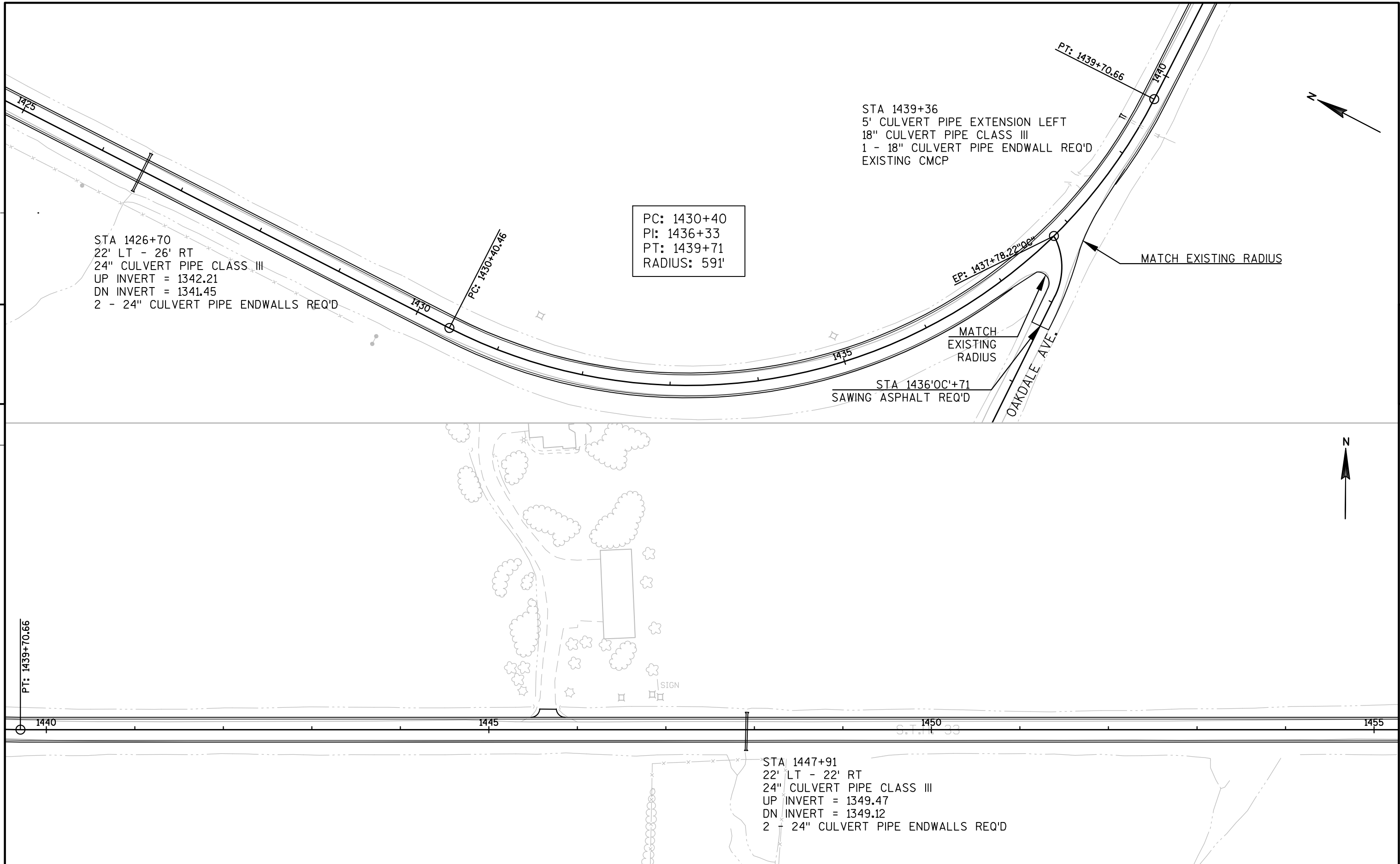




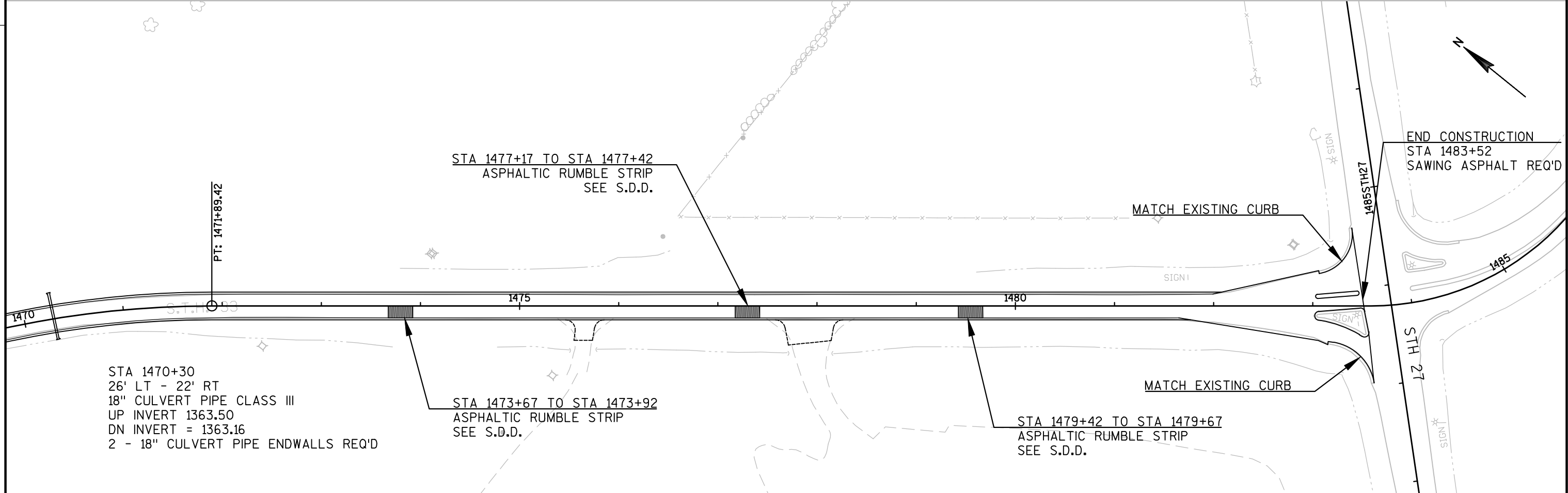
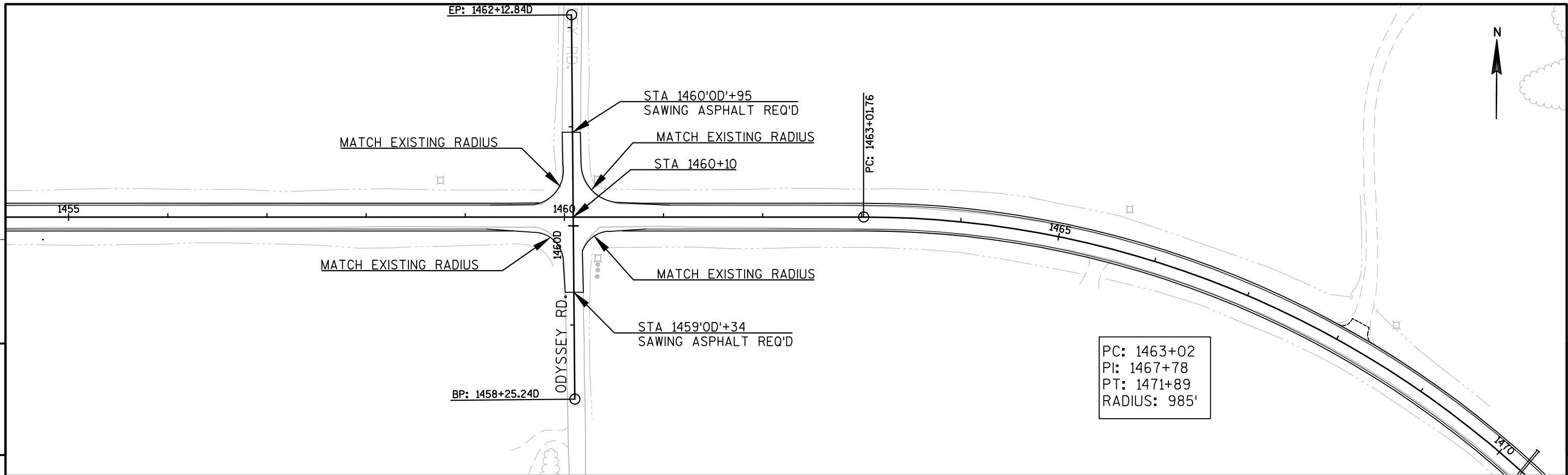
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PROJECT NO:5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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PROJECT NO: 5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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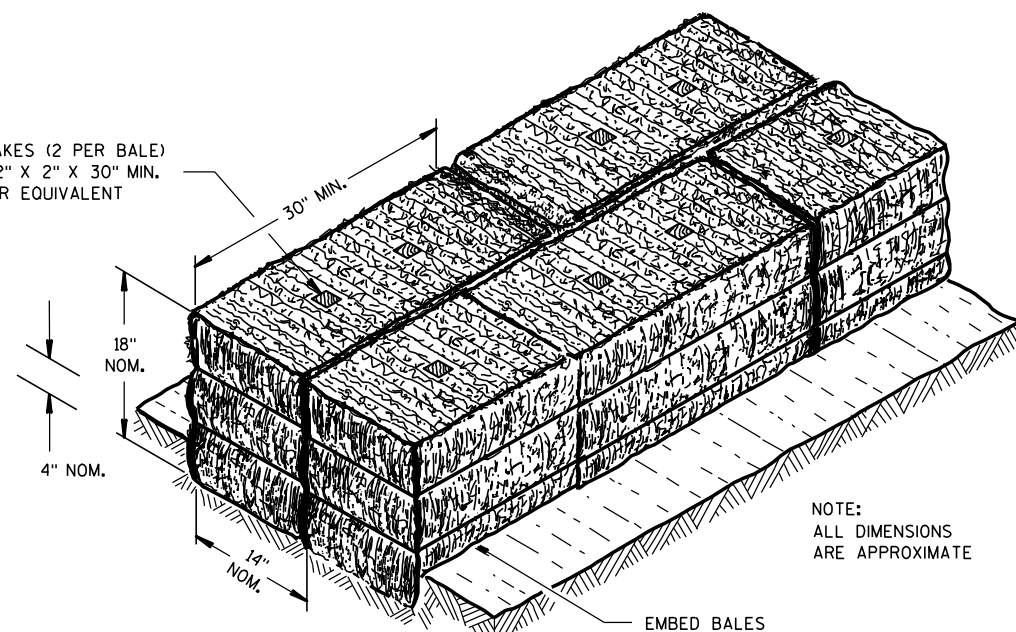


PROJECT NO: 5122-02-61	HWY: STH 33	COUNTY: MONROE	SPLIT PLAN	SHEET	E
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Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08F01-11	APRON ENDWALLS FOR CULVERT 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
13A08-01	ASPHALTIC RUMBLE STRIPS AT INTERSECTION
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C04-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M. P. H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
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)
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-02	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

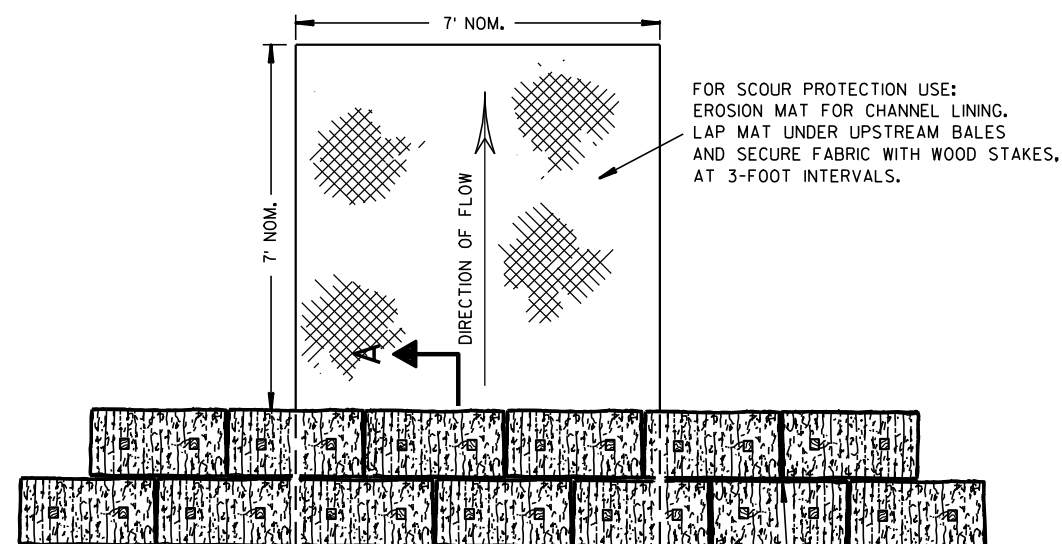
WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT



NOTE:
ALL DIMENSIONS
ARE APPROXIMATE

EMBED BALES

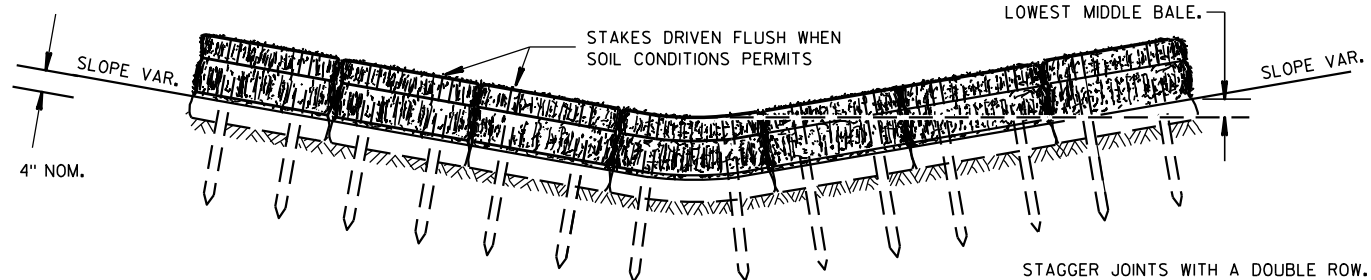
SECTION A-A



PLAN VIEW

STAGGER JOINTS BETWEEN ADJACENT
ROWS OF BALES.

BOTTOM ELEVATION OF END BALE SHALL
BE EQUAL TO OR GREATER THAN TOP OF
LOWEST MIDDLE BALE.



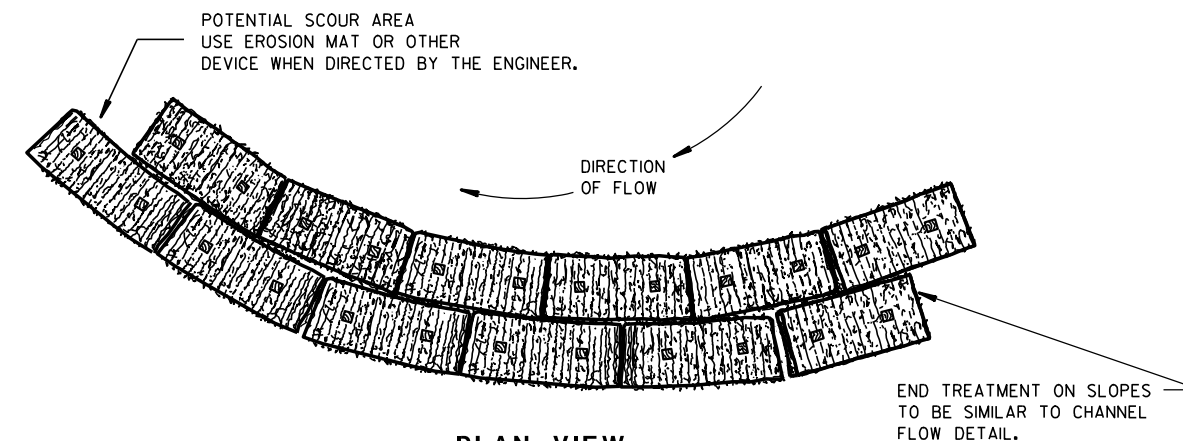
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

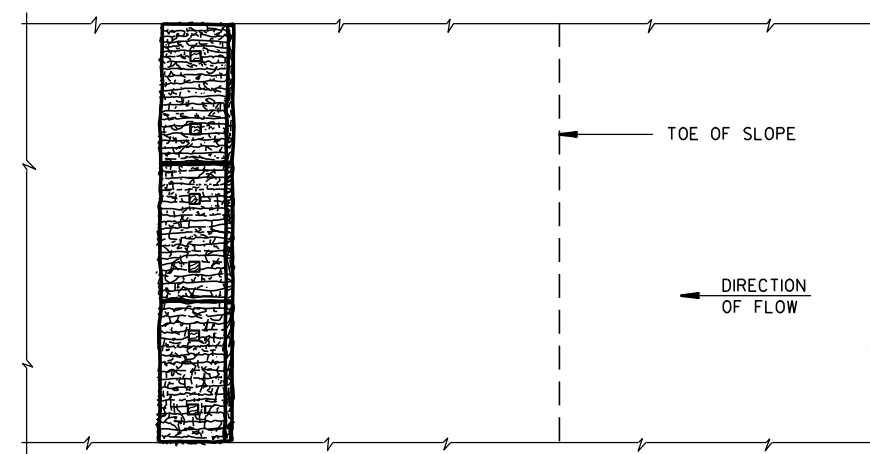
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- 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.

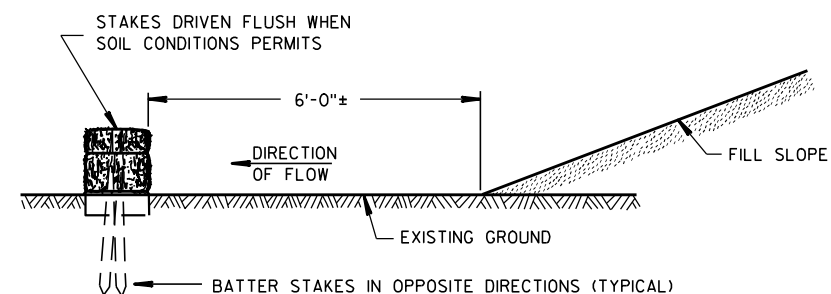


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

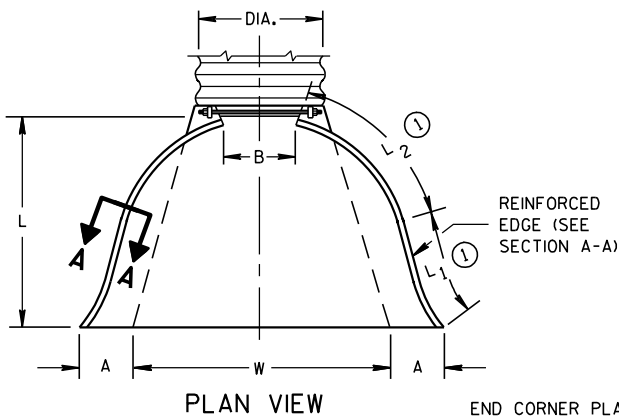
6/04/02
DATE

/S/ Beth Canestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

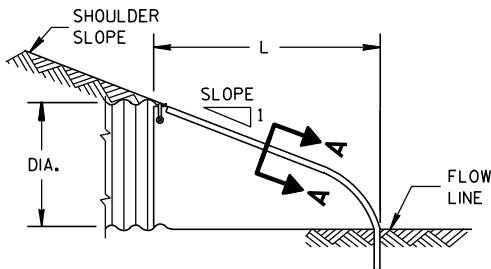
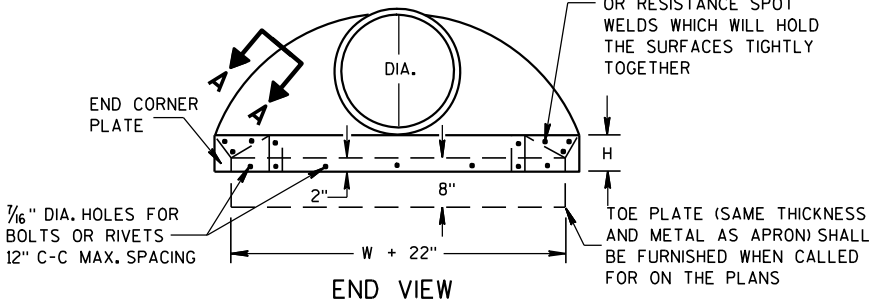
METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.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

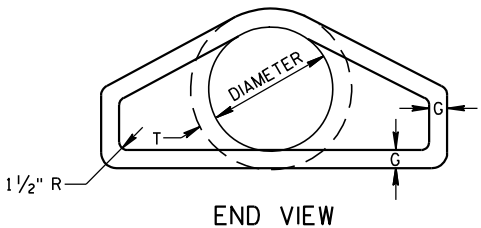
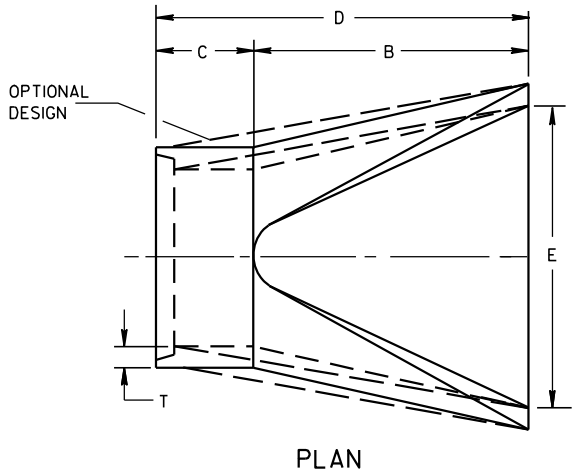
TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS



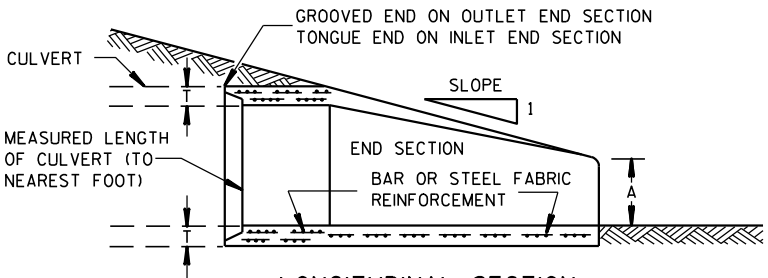
SIDE ELEVATION
METAL ENDWALLS

REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 7/8	72 7/8	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 2/5 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				

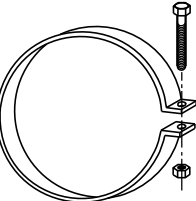
* MINIMUM
** MAXIMUM



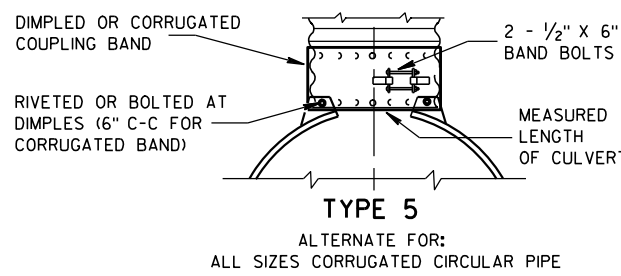
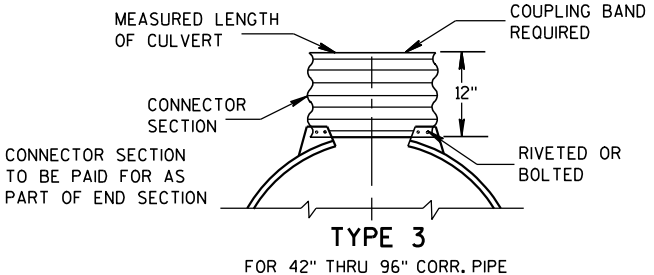
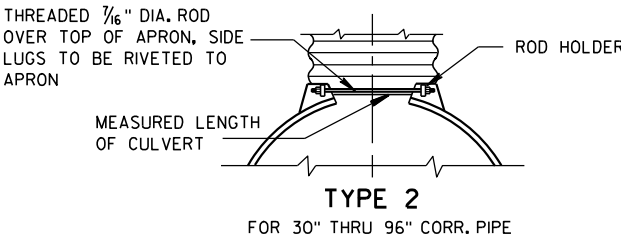
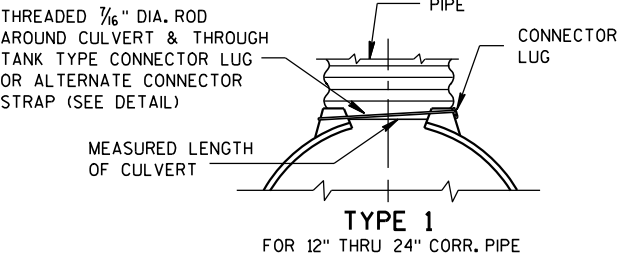
LONGITUDINAL SECTION
CONCRETE ENDWALLS



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



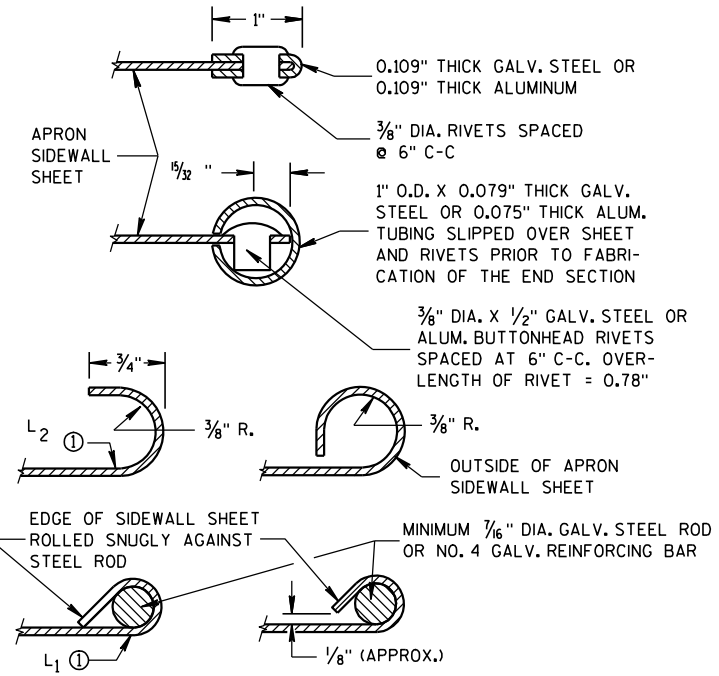
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

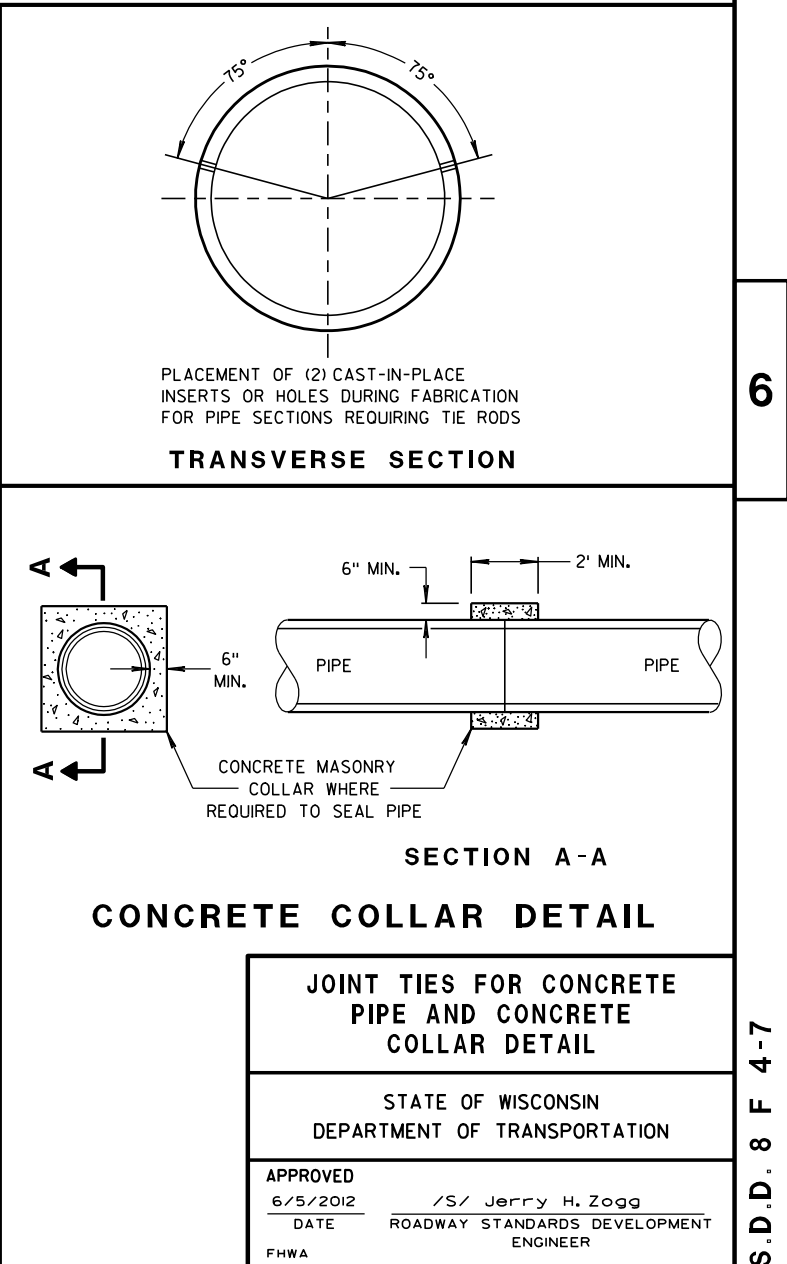
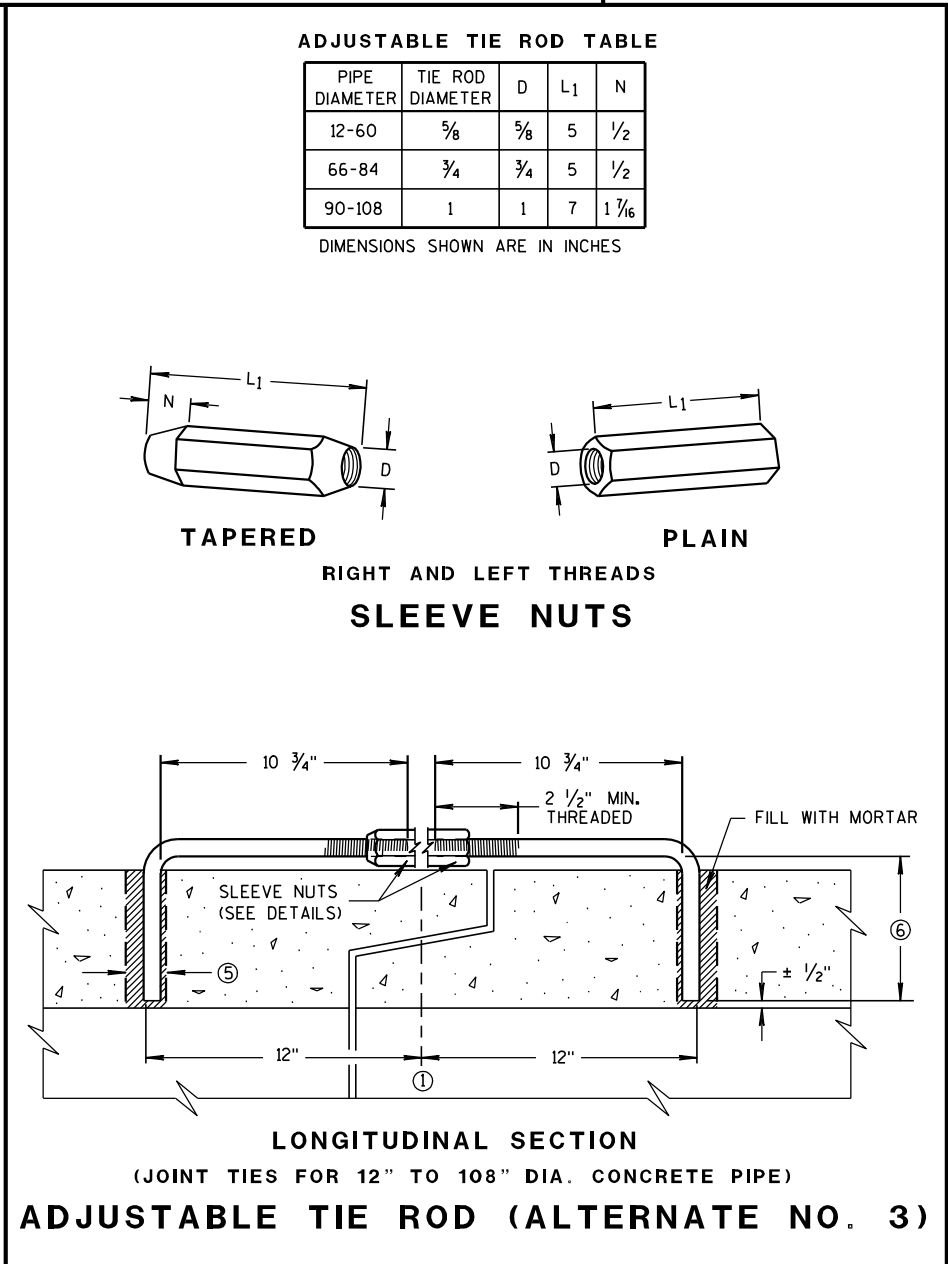
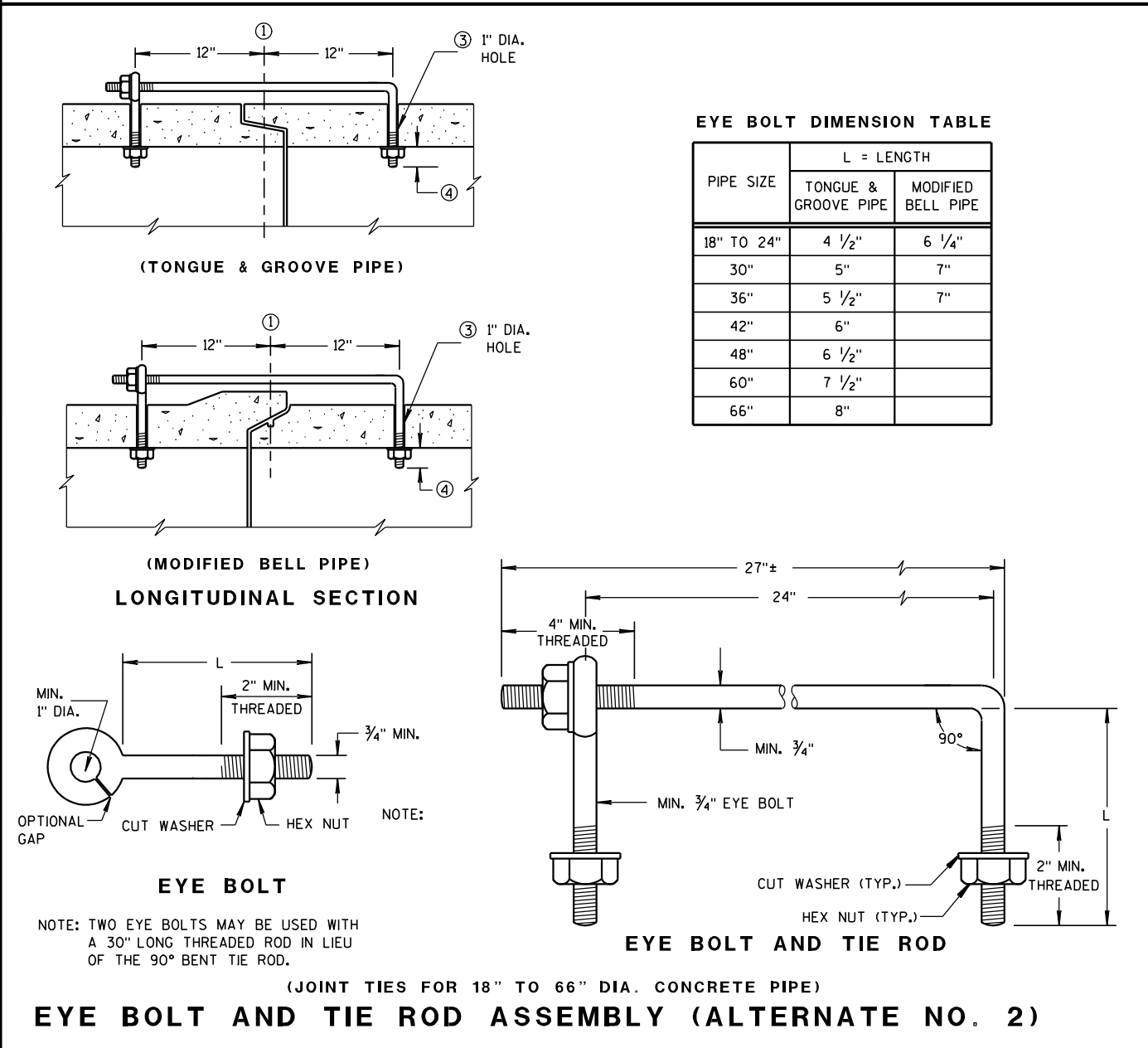
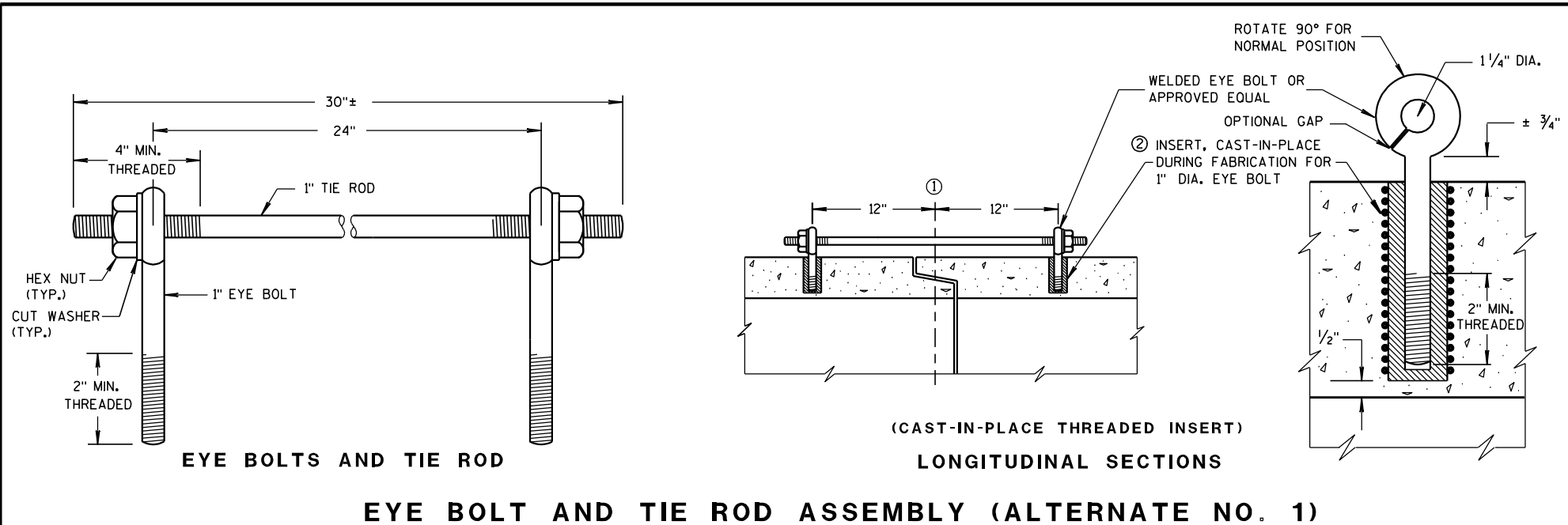
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

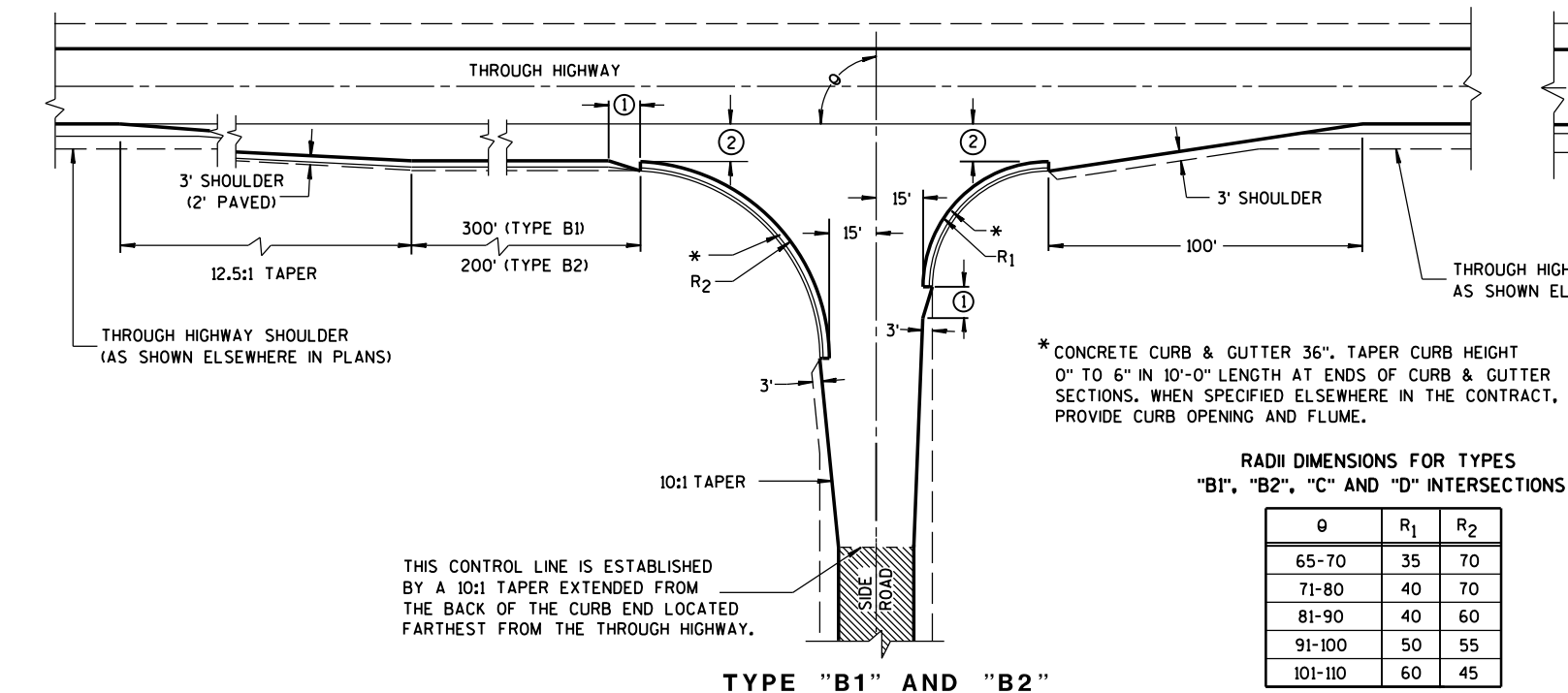
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

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





GENERAL NOTES

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

SIDE ROAD SURFACING NOTE

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.

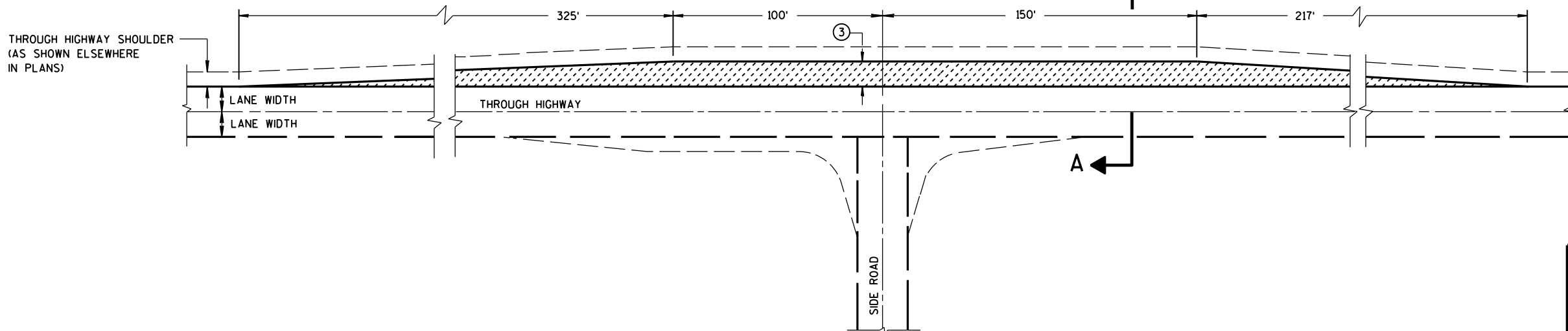
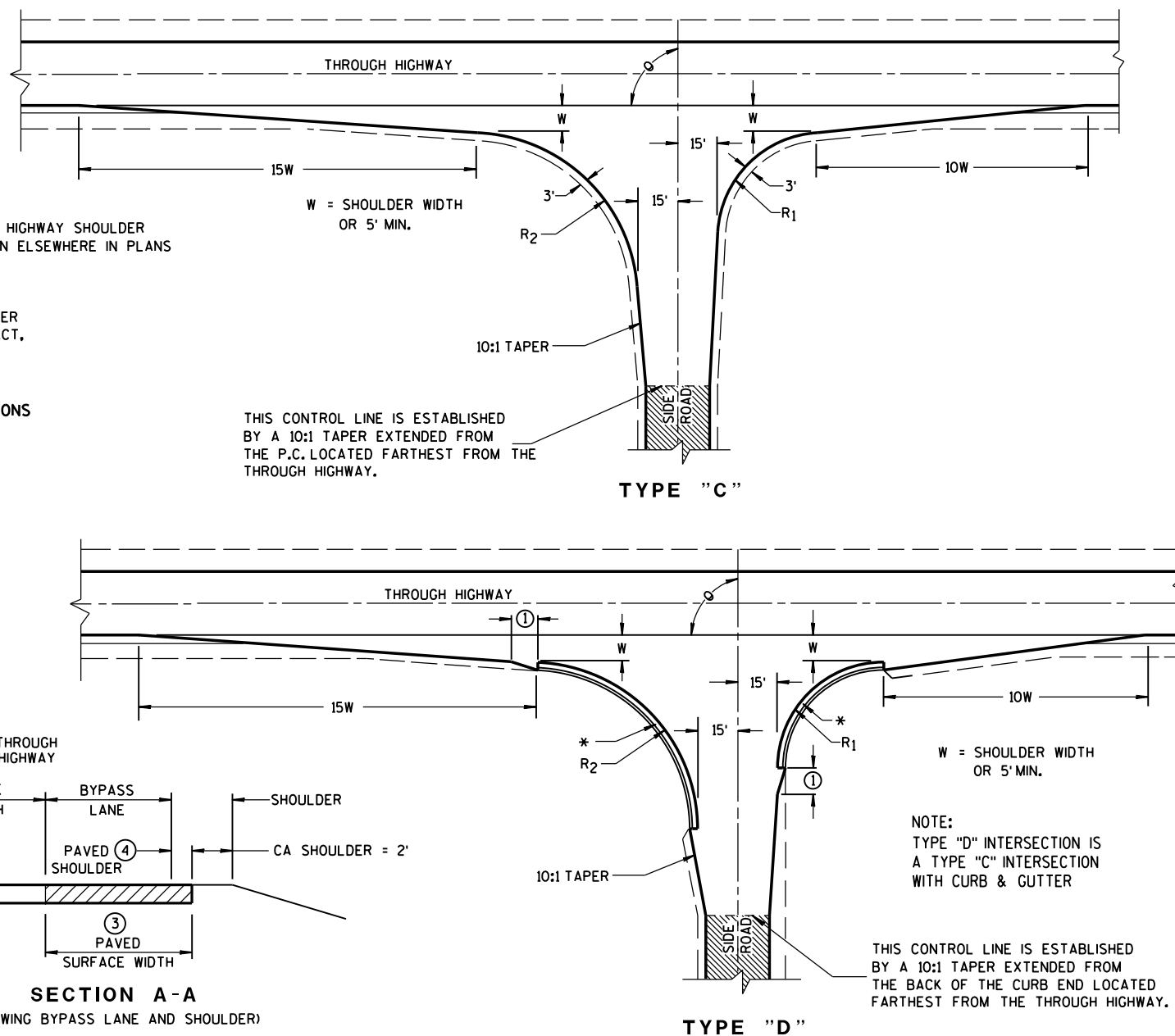
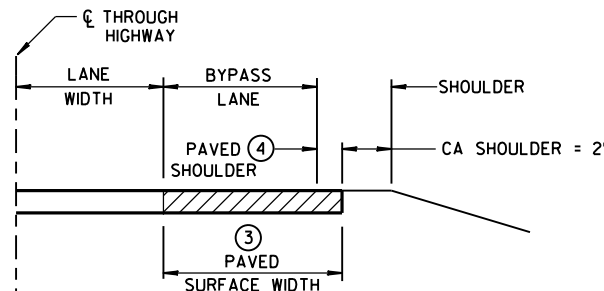
WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

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

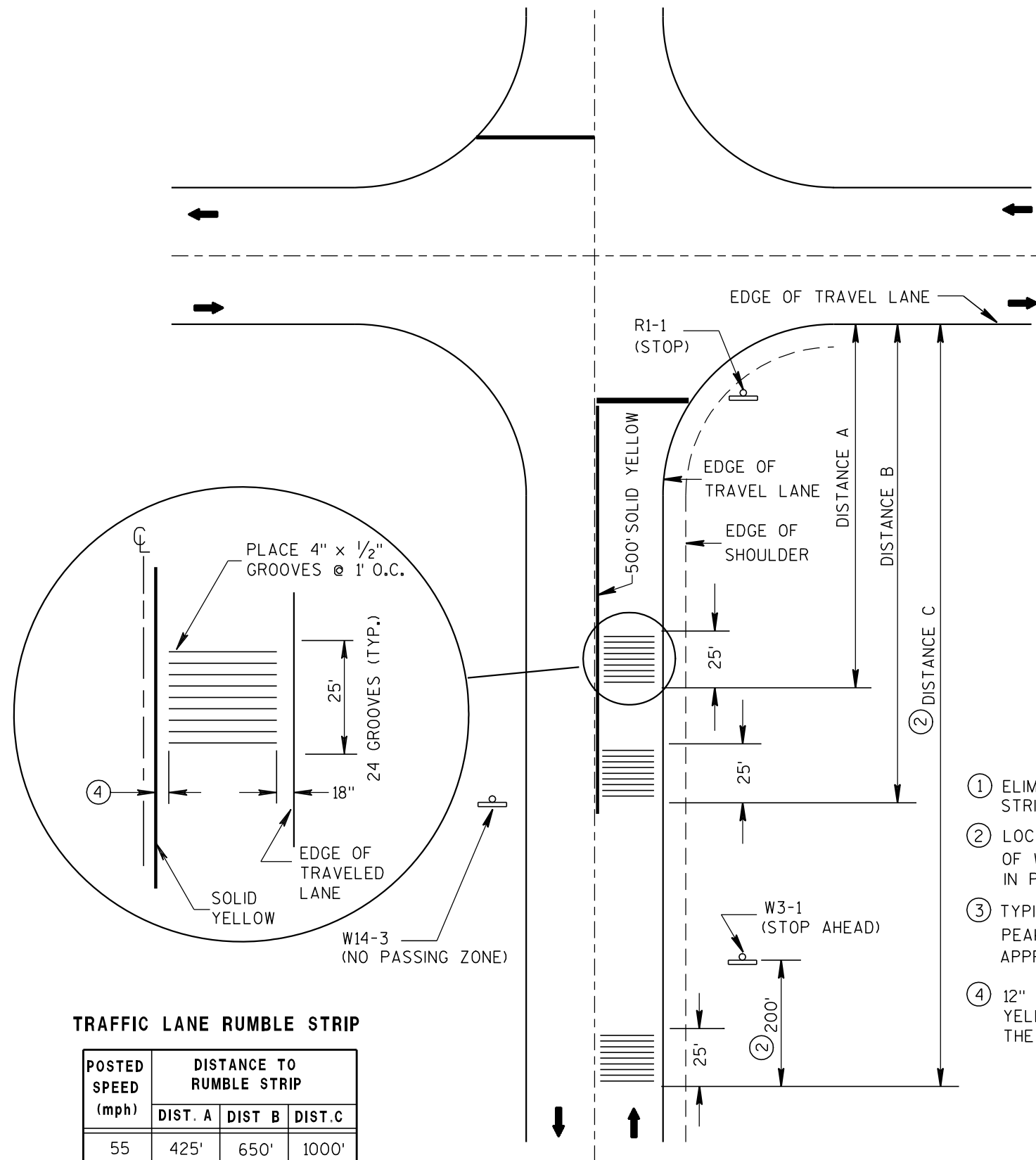
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.
- BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.
- BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED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



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



TRAFFIC LANE RUMBLE STRIP

POSTED SPEED (mph)	DISTANCE TO RUMBLE STRIP		
	DIST. A	DIST. B	DIST. C
55	425'	650'	1000'
50	325'	450'	800'
45	275'	400'	650'
40	225'	①	550'
35	175'	①	475'
≤ 30	125'	①	425'

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

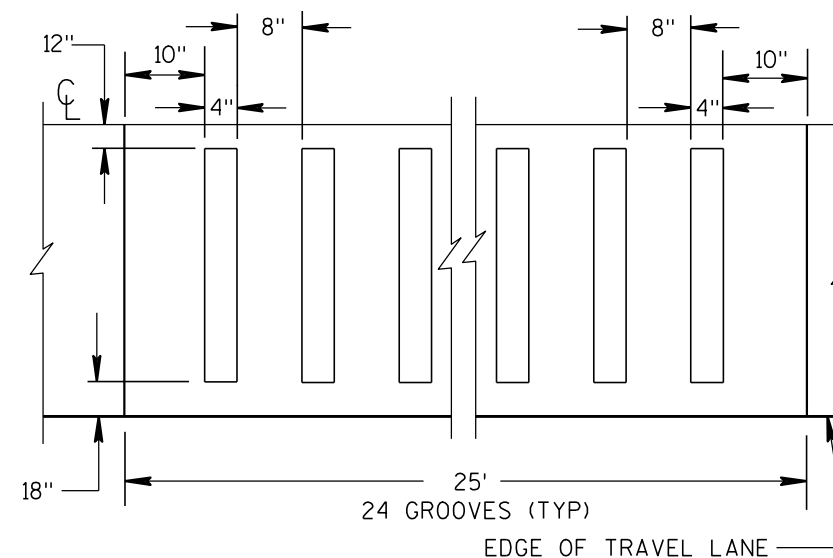
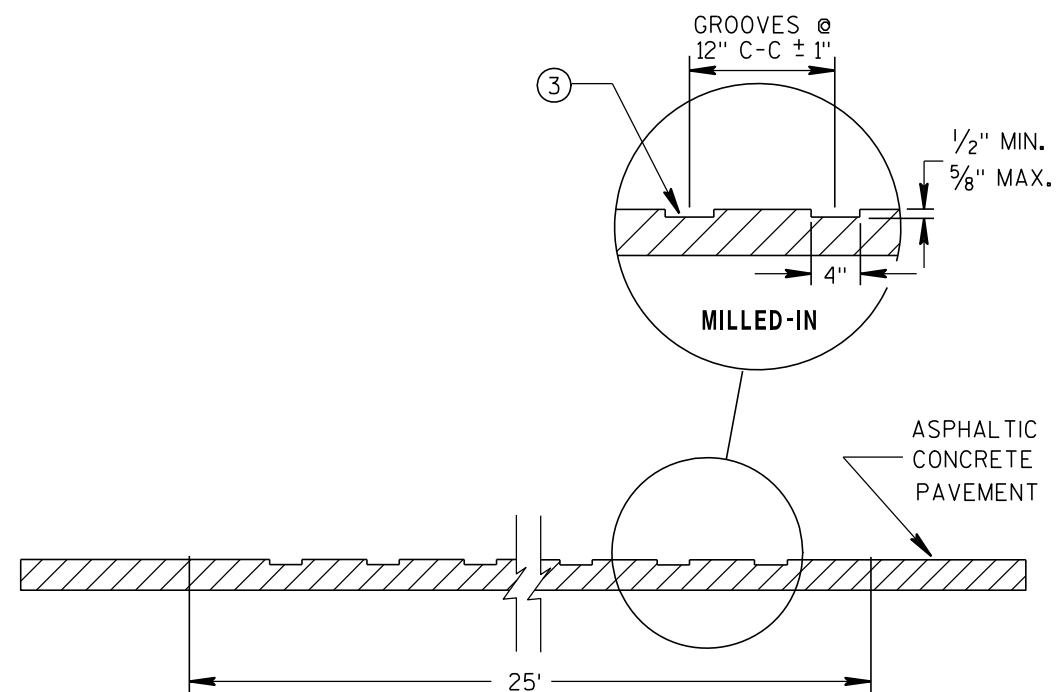
- ① ELIMINATE THE MIDDLE SET OF RUMBLE STRIPS.
- ② LOCATE RUMBLE STRIP 200' IN ADVANCE OF W3-1 SIGN AS SHOWN. IF W3-1 IS NOT IN PLACE, USE DISTANCE C.
- ③ TYPICAL VERTICAL VARIATION BETWEEN PEAKS AND VALLEYS WITHIN THE CUT APPROXIMATELY $\frac{1}{16}$ "
- ④ 12" CLEAR BETWEEN THE SOLID YELLOW LINE AND THE EDGE OF THE RUMBLE.

GENERAL NOTES

CONTRACTOR SHALL CONFIRM RUMBLE STRIP LOCATION WITH THE ENGINEER PRIOR TO INSTALLATION. THE ENGINEER MAY MODIFY THE RUMBLE STRIP LOCATION AS FIELD CONDITIONS DICTATE.

WHEN ASPHALTIC PAVEMENT IS NEW IN THE RUMBLE AREA THE CONTRACTOR SHALL ALLOW THE PAVEMENT TO CURE A MINIMUM OF 7 DAYS PRIOR TO RUMBLE INSTALLATION.

PAVEMENT MARKING AND SIGNING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

ASPHALTIC RUMBLE STRIPS
AT INTERSECTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/17/2011

DATE

FHWA

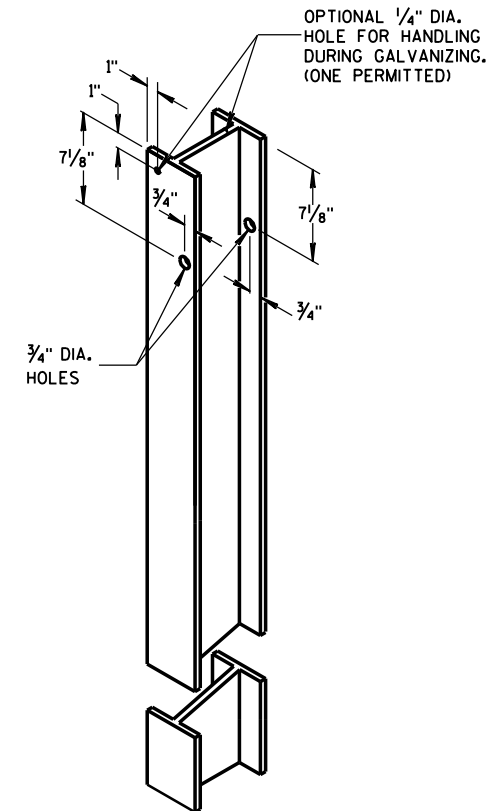
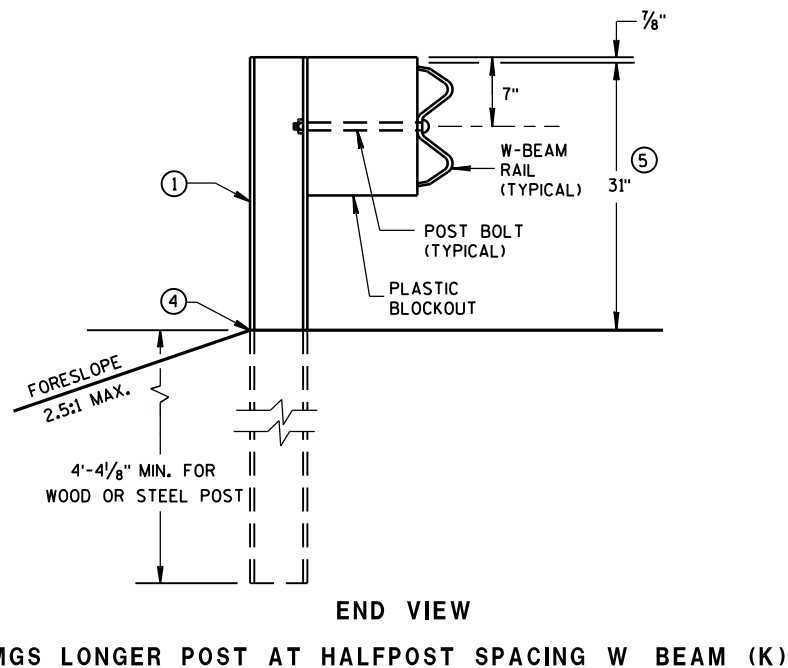
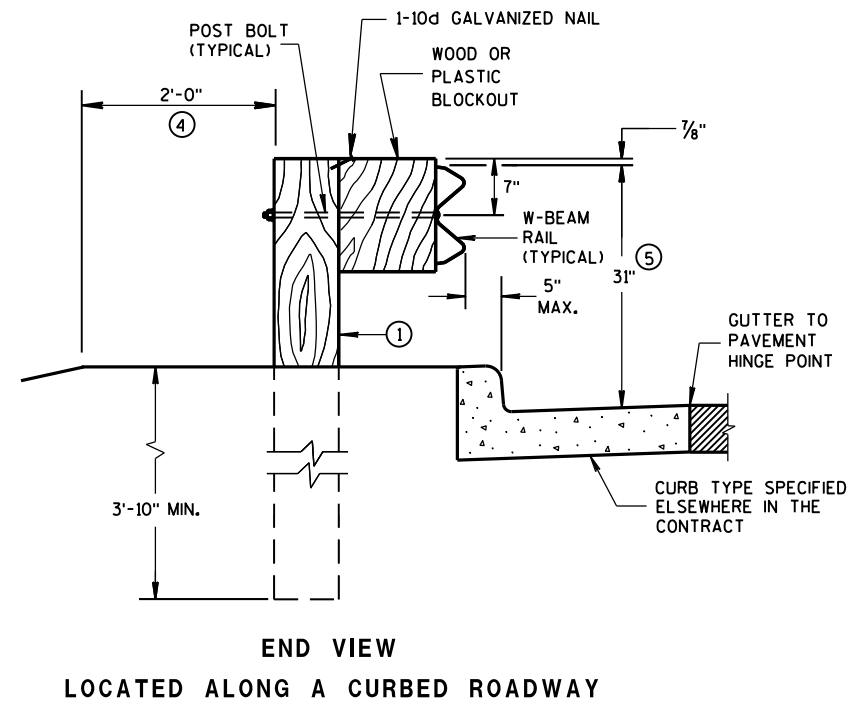
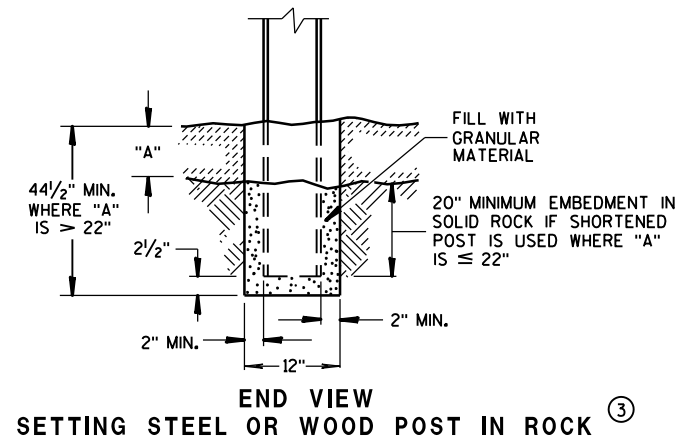
/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

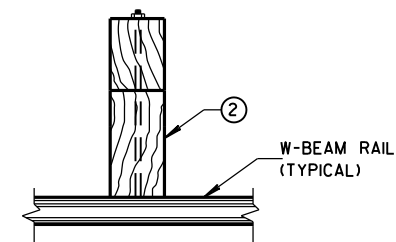
ENGINEER

S.D.D. 14 B 42-2a

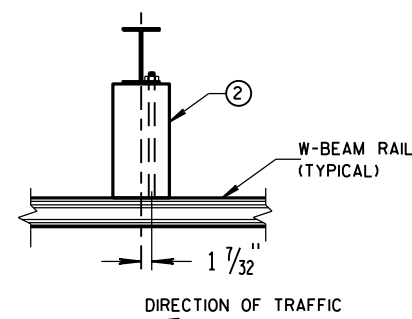
- S.D.D. 14 B 42-2a**



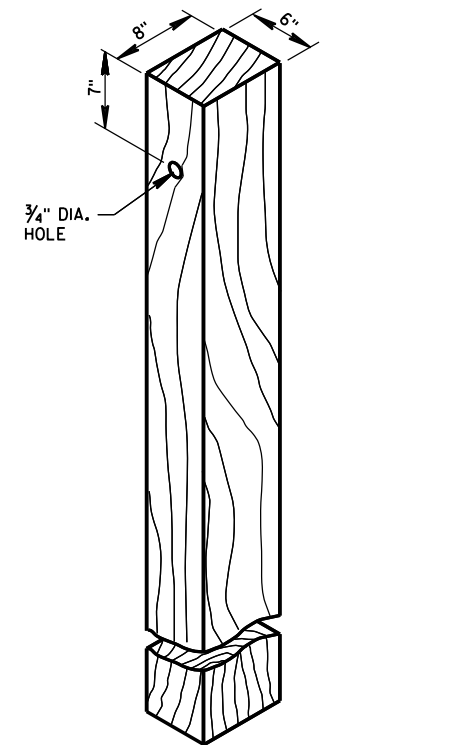
**STEEL POST &
HOLE PUNCHING DETAIL
(w6X9)^①**



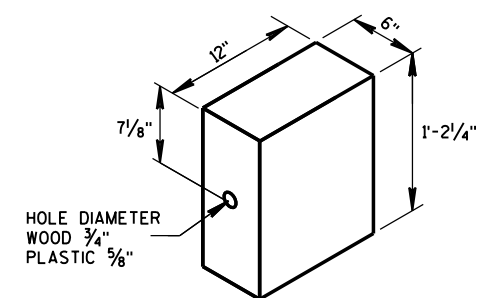
**PLAN VIEW
WOOD POST,
BLOCKOUT & BEAM**



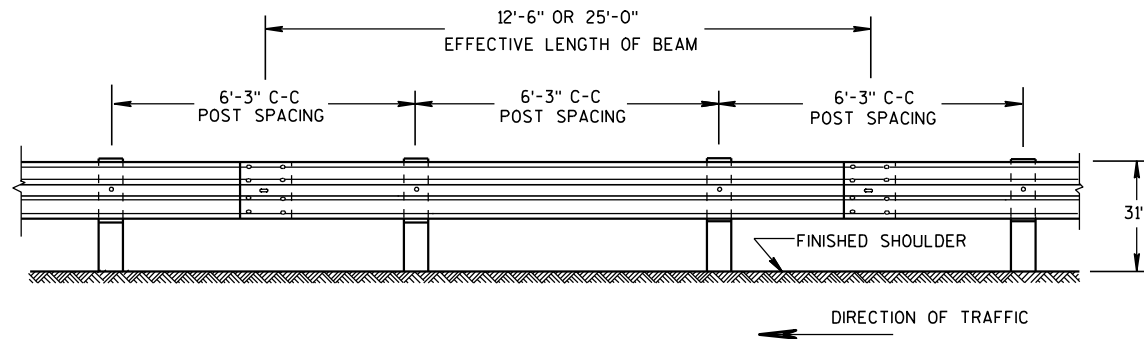
PLAN VIEW
STEEL POST,
PLASTIC BLOCKOUT & BEAM



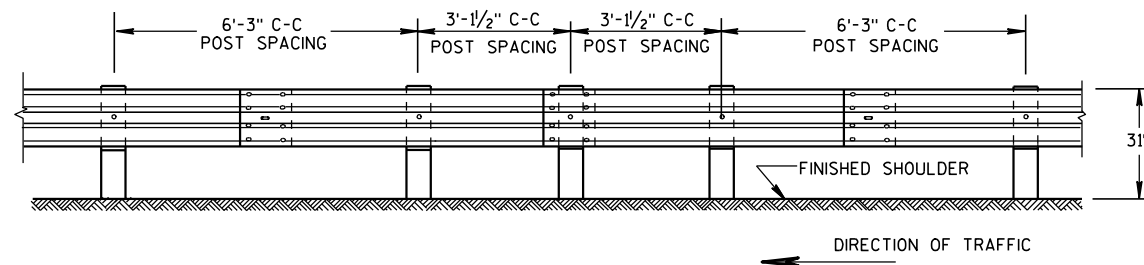
WOOD POST
(6" X 8") NOMINAL ①



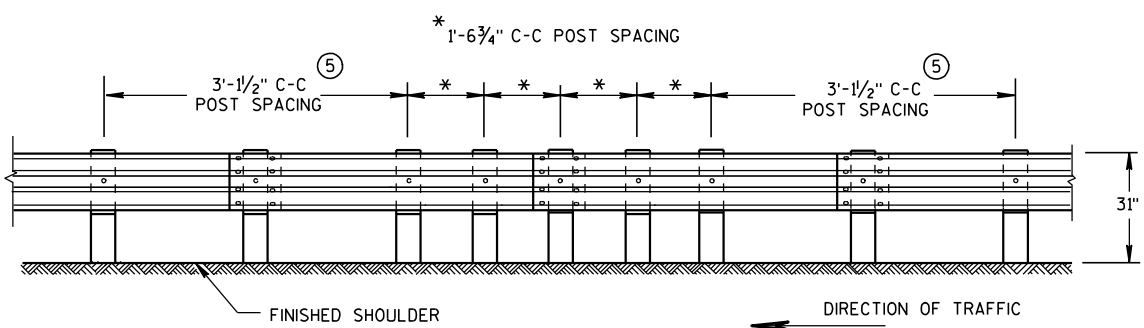
**WOOD OR
PLASTIC BLOCKOUT** ②



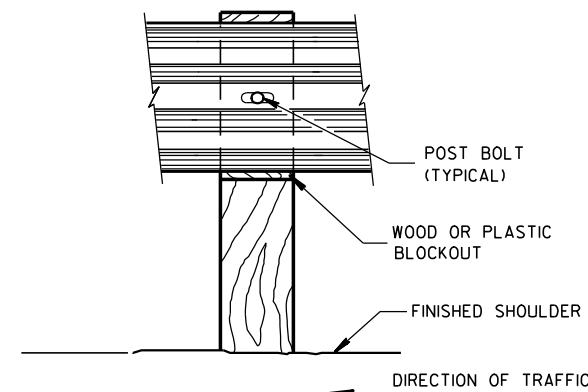
FRONT VIEW
POST SPACING STANDARD INSTALLATION



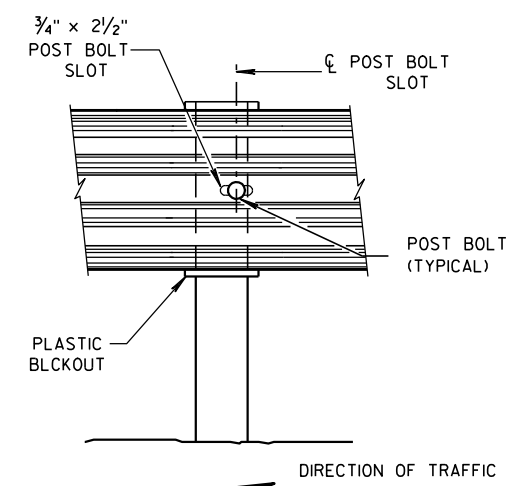
FRONT VIEW
**HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)**



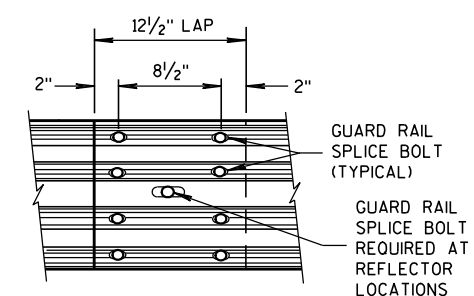
FRONT VIEW
QUARTER POST SPACING (QS)



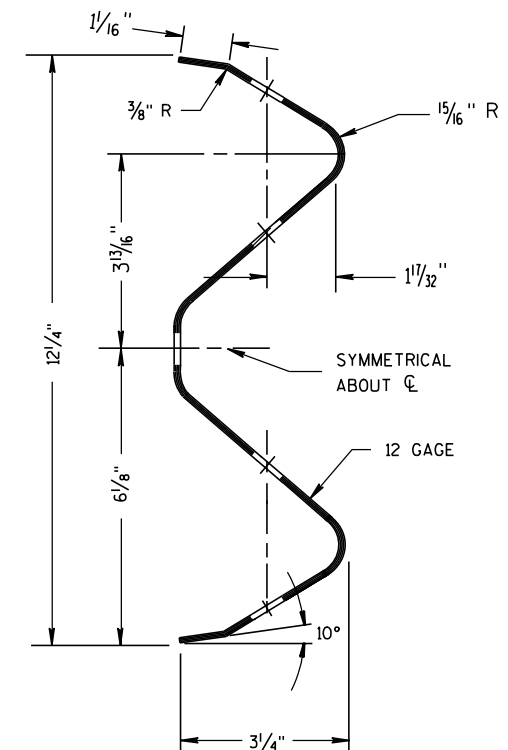
FRONT VIEW AT WOOD POST



FRONT VIEW AT STEEL POST



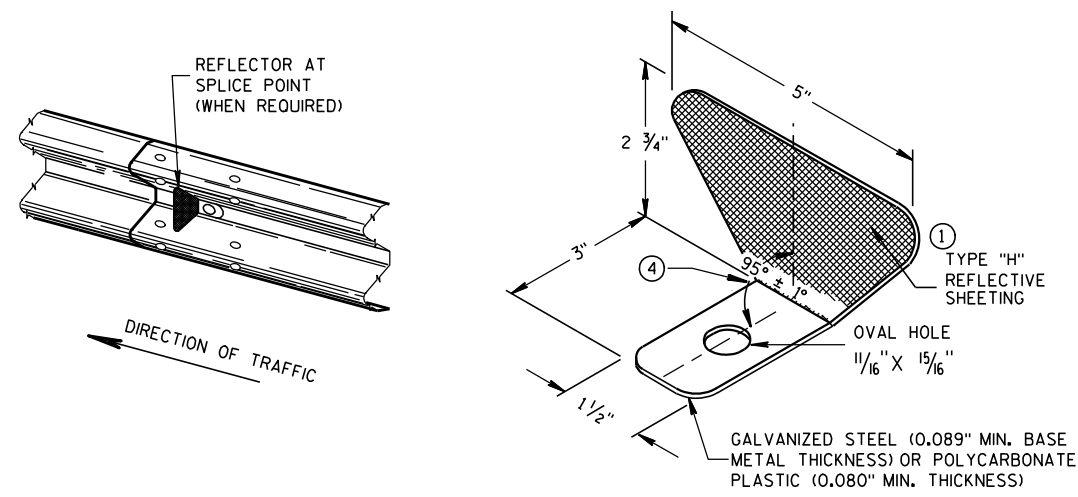
**FRONT VIEW
MID-SPAN BEAM SPLICE**



SECTION THRU W-BEAM RAIL

REFLECTOR SPACING ②

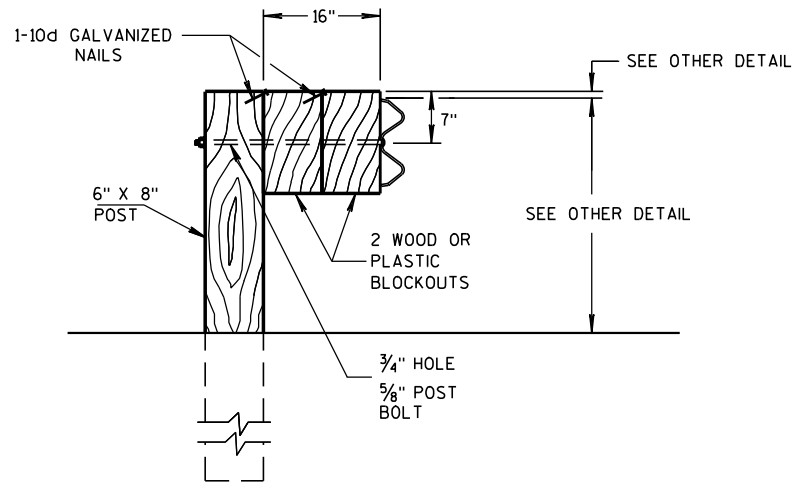
	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 ③	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2 ④	3
	> 200'	100' C-C	2	



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION ①

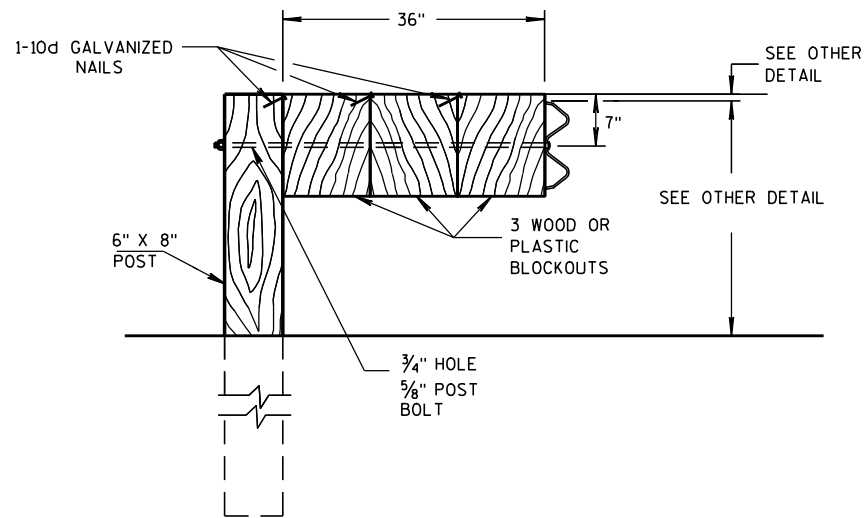
GENERAL NOTES

- ① PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
 - ② 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.
 - ③ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
 - ④ PROVIDE AN ANGLE OF BEND OF 90° ± 1° FOR TWO-SIDED REFLECTORS.
 - ⑤ 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

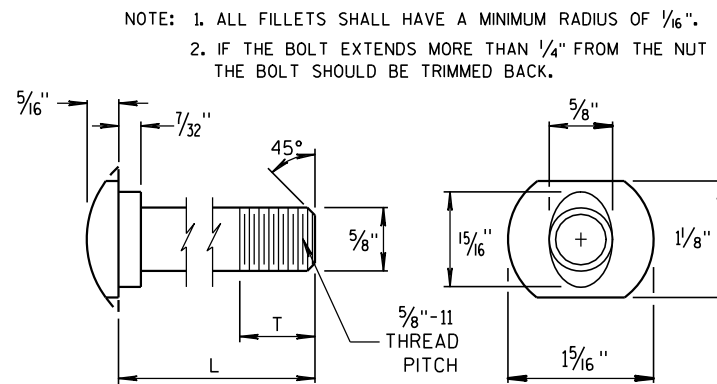
IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.



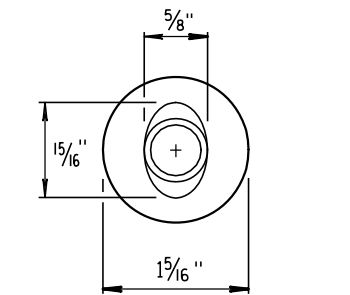
DETAIL FOR 36" BLOCKOUT DEPTH

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.

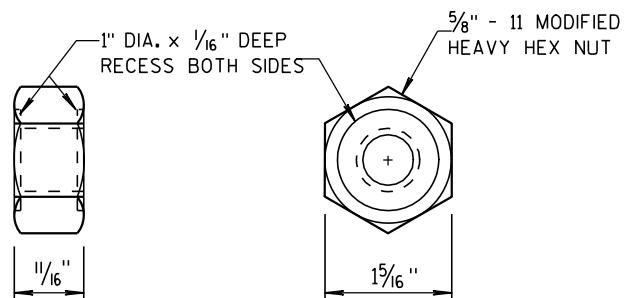
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



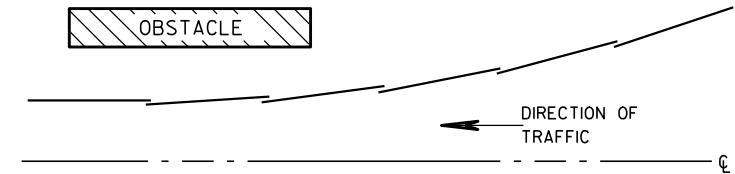
POST BOLT TABLE



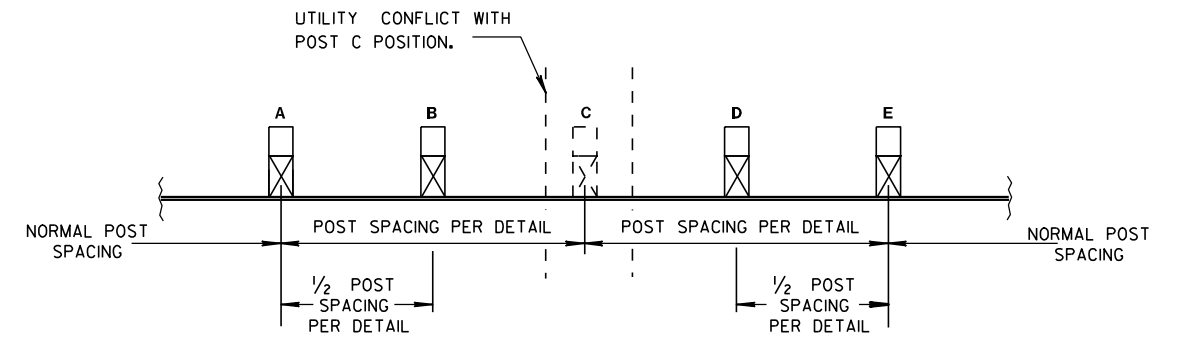
ALTERNATE BOLT HEAD



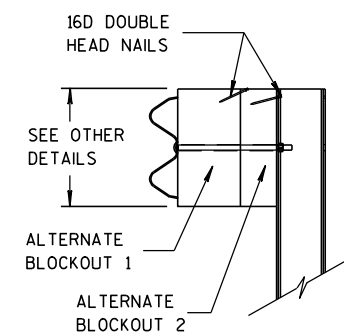
POST BOLT AND RECESS NUT



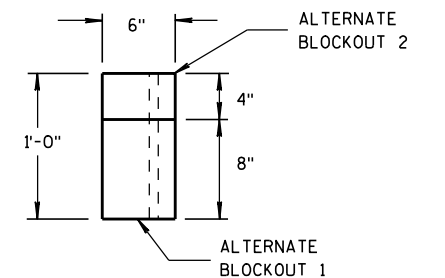
PLAN VIEW
BEAM LAPPING DETAIL



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

11/15/2011
DATE

FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

GENERAL NOTES

- (A) THE SLOPE IN THE AREA BOUNDED BY THE EXTENDED VEHICLE RUNOUT PATH (EVRP), 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) SHEETING IS ATTACHED TO 0.040 ALUMINUM SHEET AND ATTACHED TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER OF E.A.T.
- (F) 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.

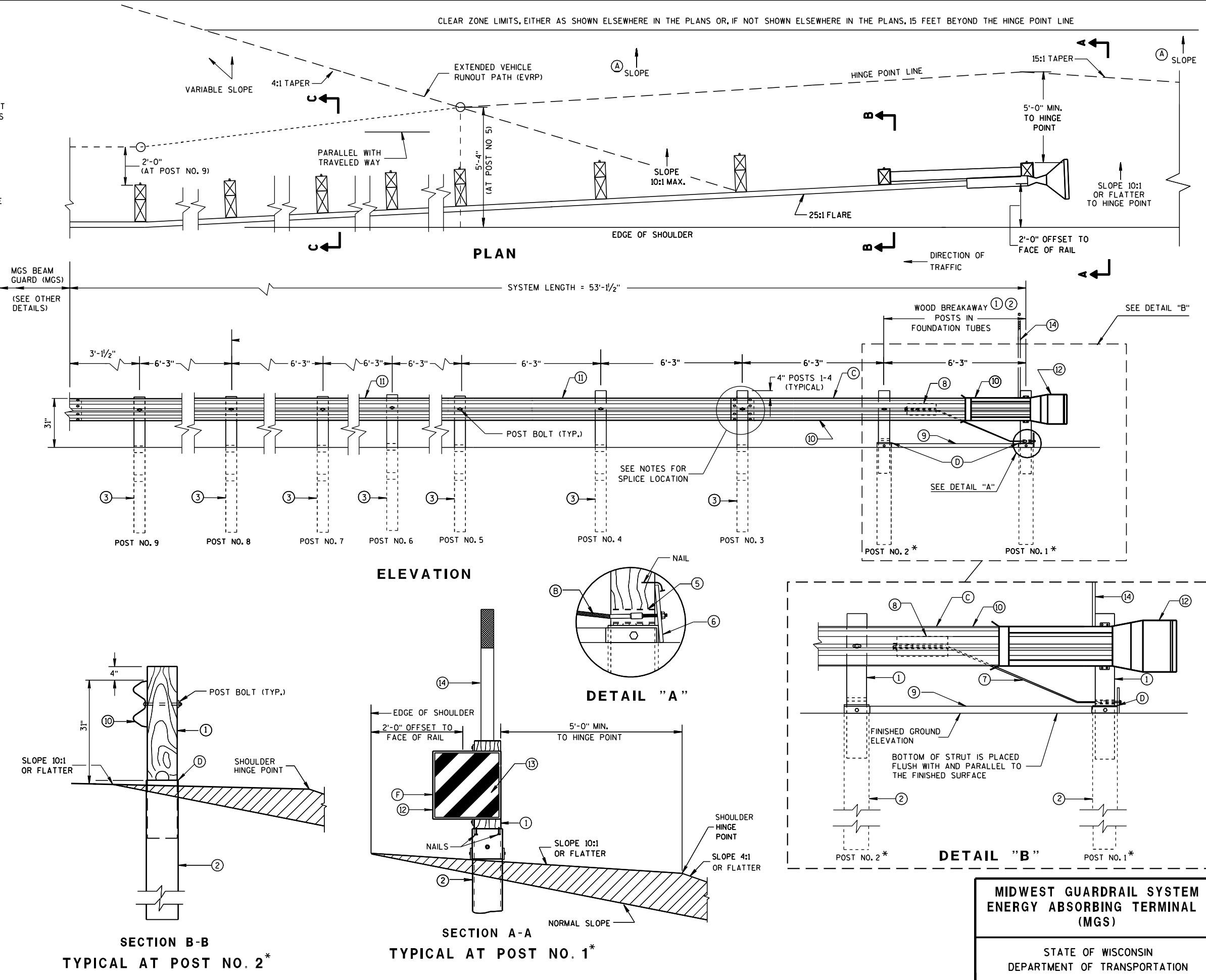
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

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.

PATTERN AND COLORS ON REFLECTIVE SHEETING TYPE H ARE TO CONFORM TO OM3-L OR OM3-R OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

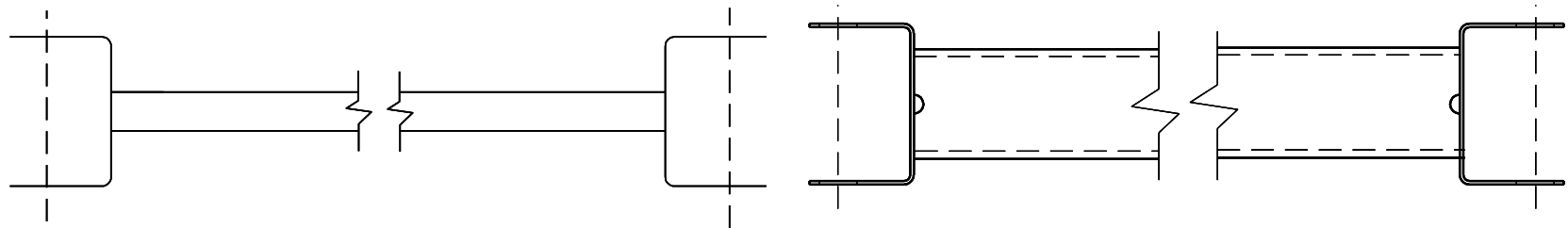
THE CENTER OF THE UPPER 3/2" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE ($\pm \frac{3}{4}$ ")



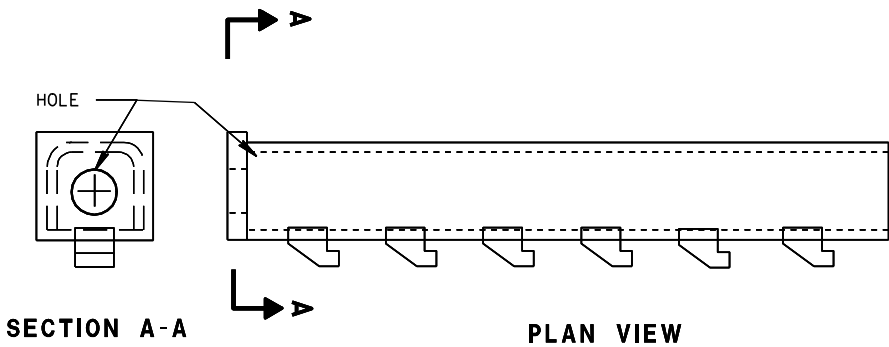
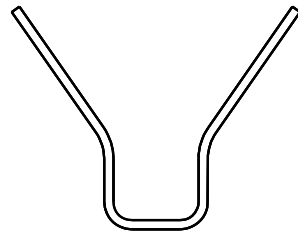
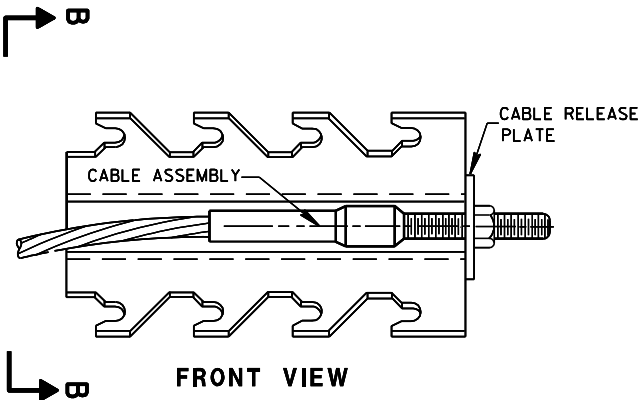
MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

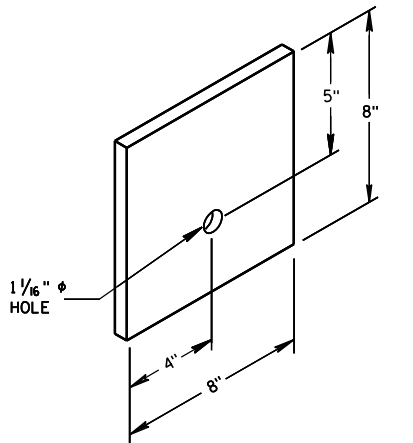
BILL OF MATERIALS	
PART NO.	DESCRIPTION
MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.	
①	WOOD BREAKAWAY POST
②	6" X 8" X 0.188", 6'-0" LONG FOUNDATION TUBE AT POSTS 1 AND 2
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR 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 H (ONLY THE SHEETING IS SUPPLIED BY THE MANUFACTURER)
⑭	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)



⑨ H
GENERIC GROUND STRUT



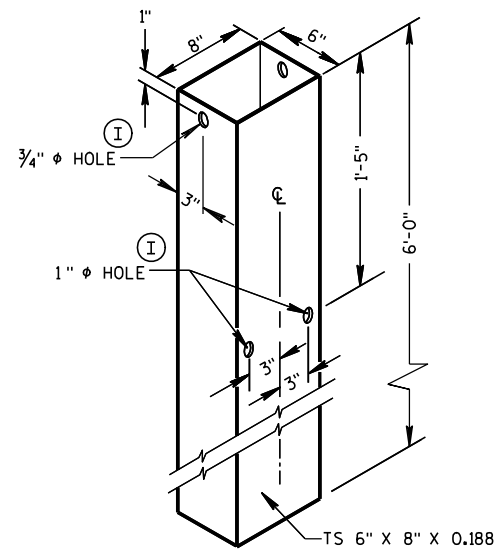
⑧ H
GENERIC ANCHOR CABLE BOX



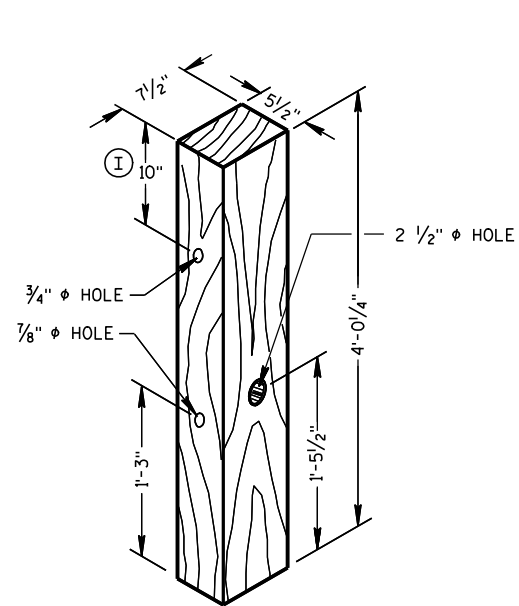
⑥
BEARING PLATE

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

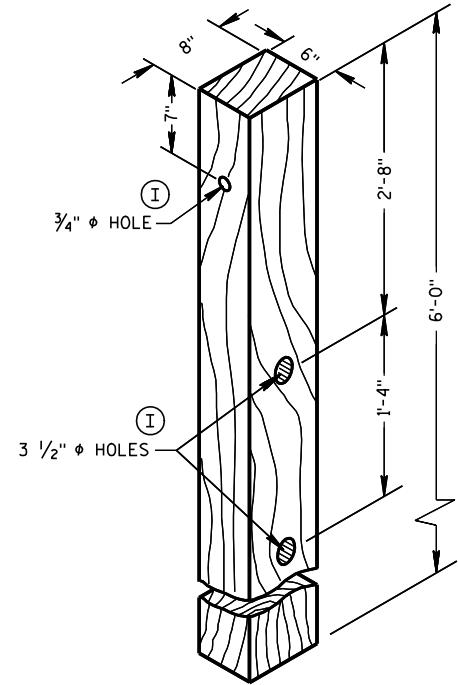
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



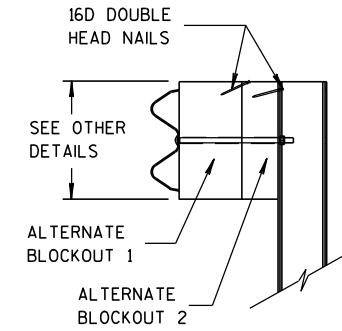
FOUNDATION TUBE (2)



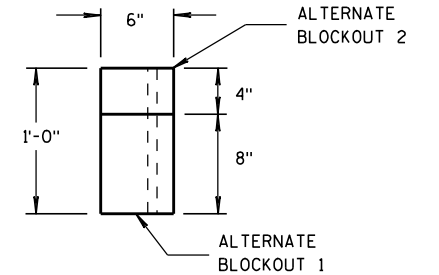
WOOD BREAKAWAY POST (1)



WOOD CRT POST (3)

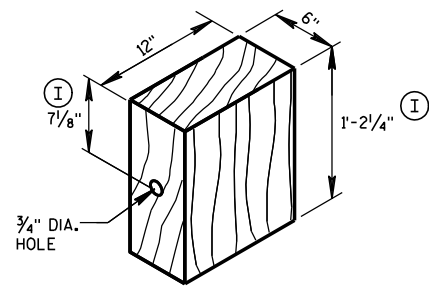


SIDE VIEW



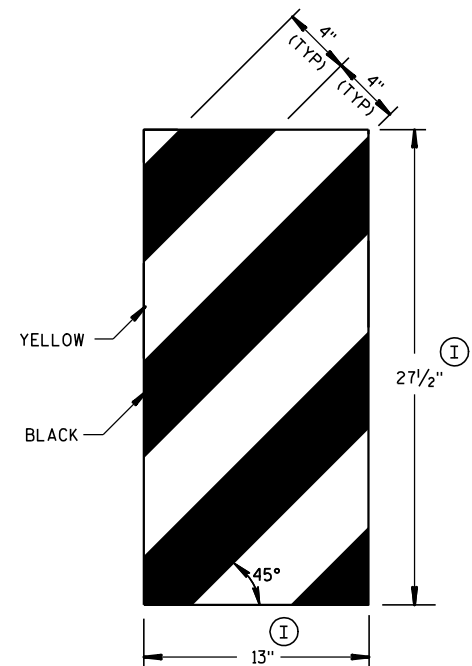
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

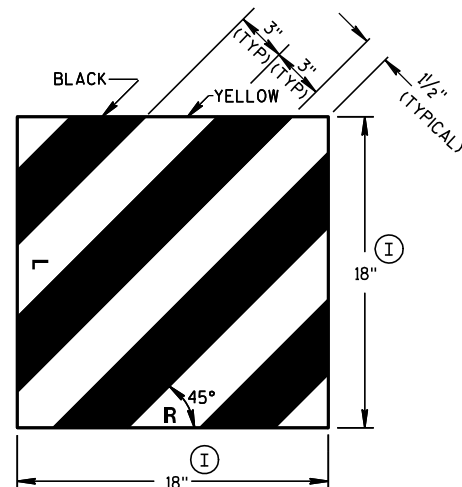


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2

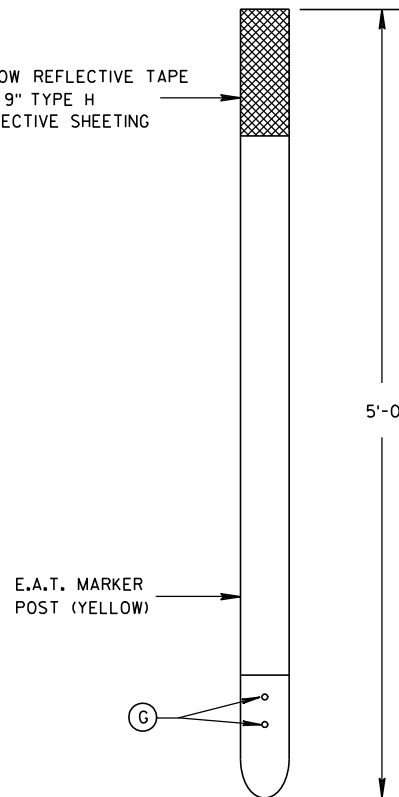
YELLOW REFLECTIVE TAPE
3" X 9" TYPE H
REFLECTIVE SHEETING



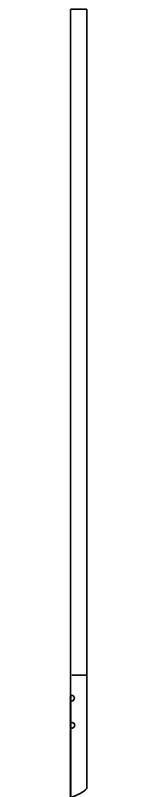
GENERIC REFLECTIVE SHEETING (13)



(14)

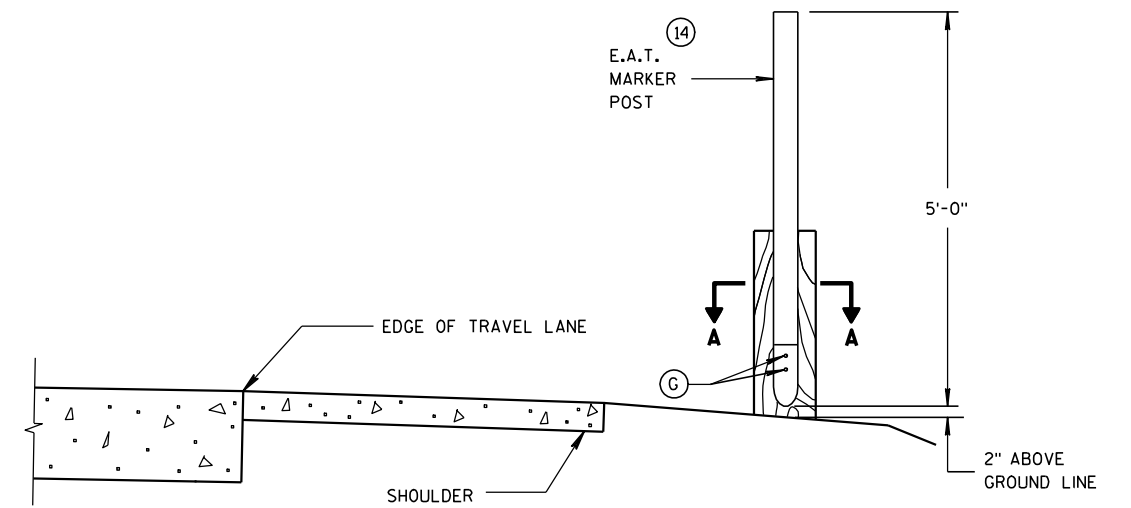


FRONT VIEW

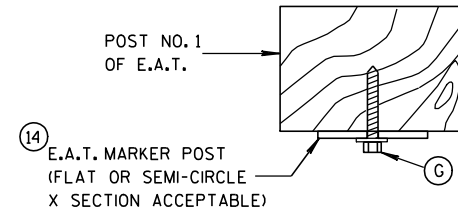


SIDE VIEW

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

**MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

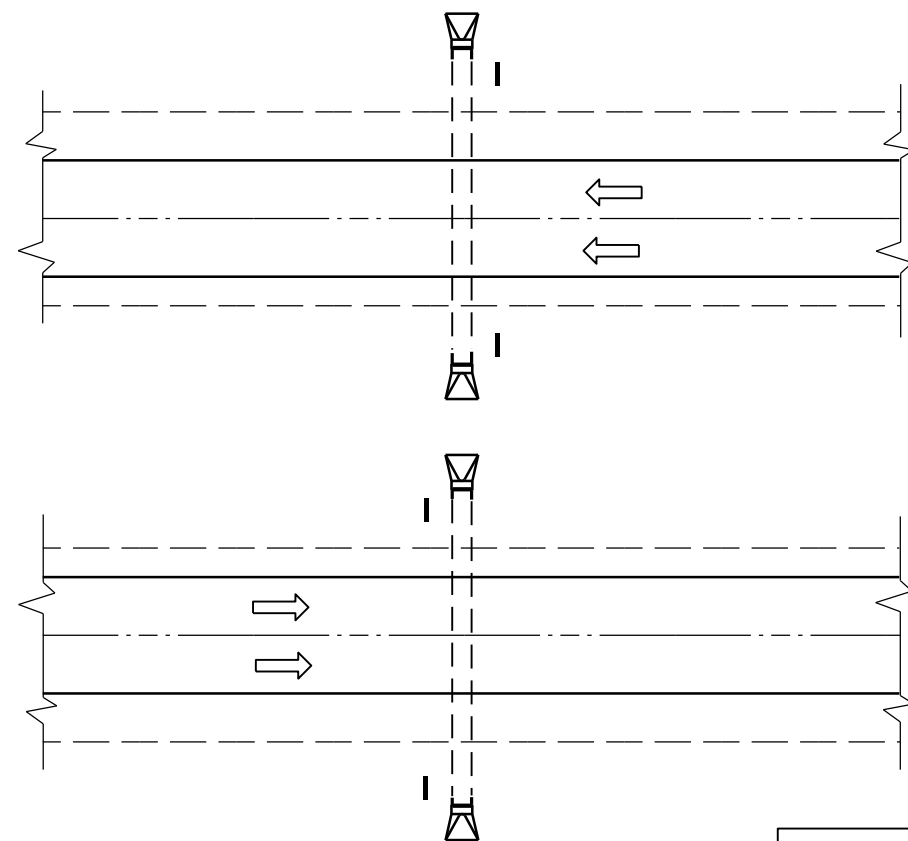
APPROVED

5/23/2011

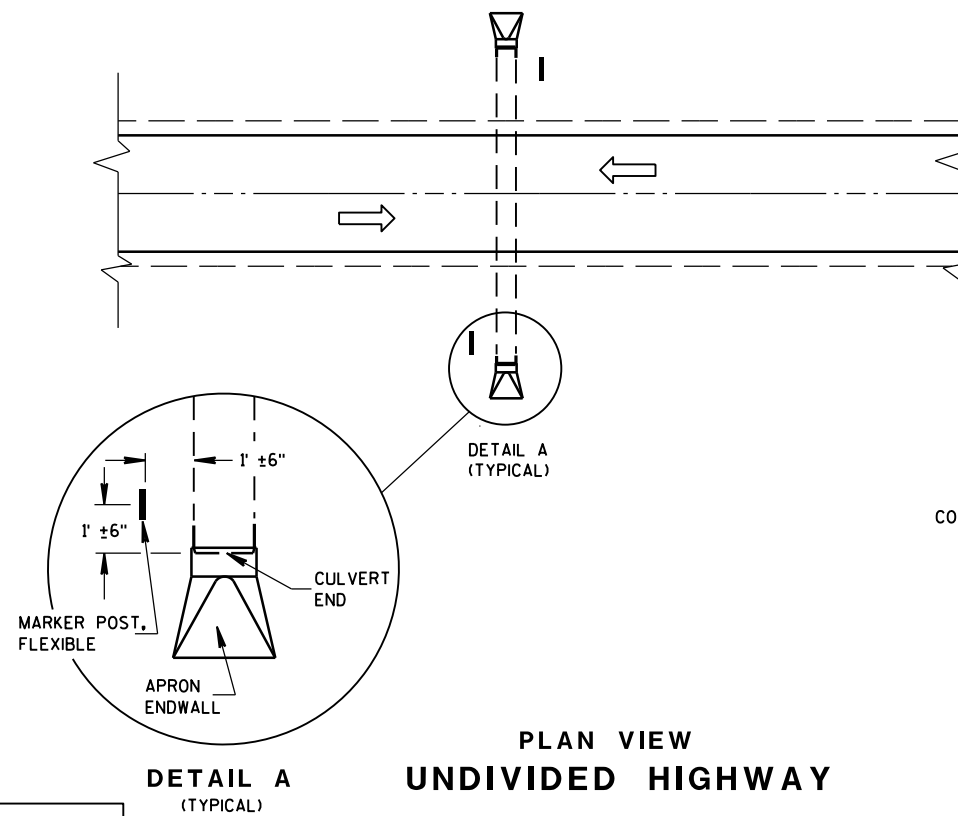
DATE

FHWA

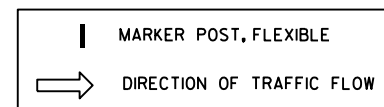
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



PLAN VIEW
DIVIDED HIGHWAY



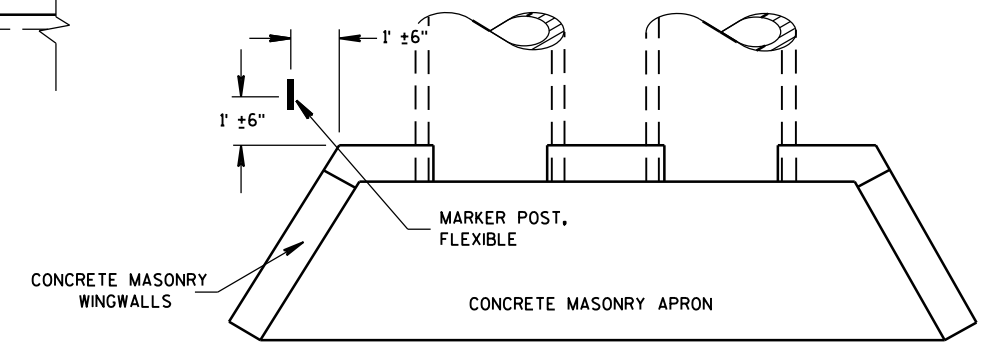
PLAN VIEW
UNDIVIDED HIGHWAY



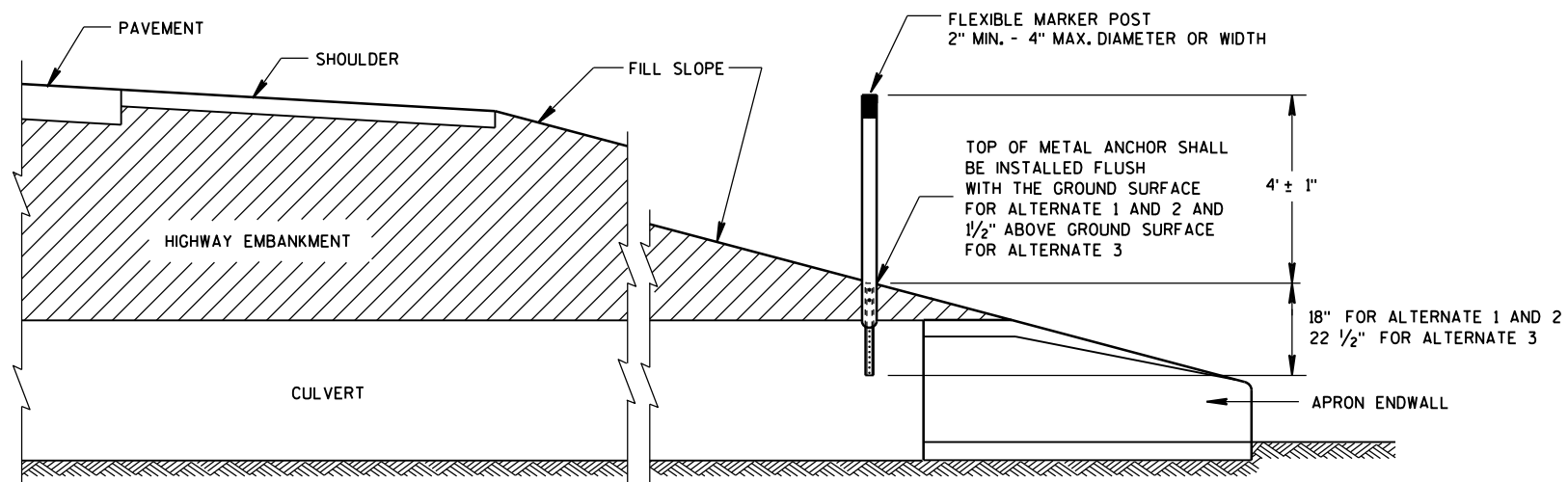
FLEXIBLE MARKER POST LOCATION

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.



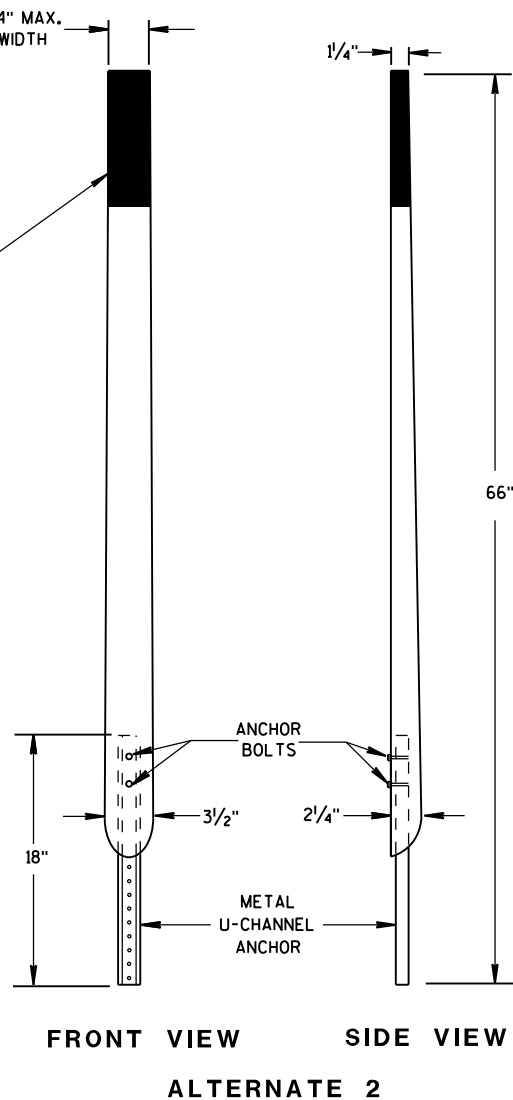
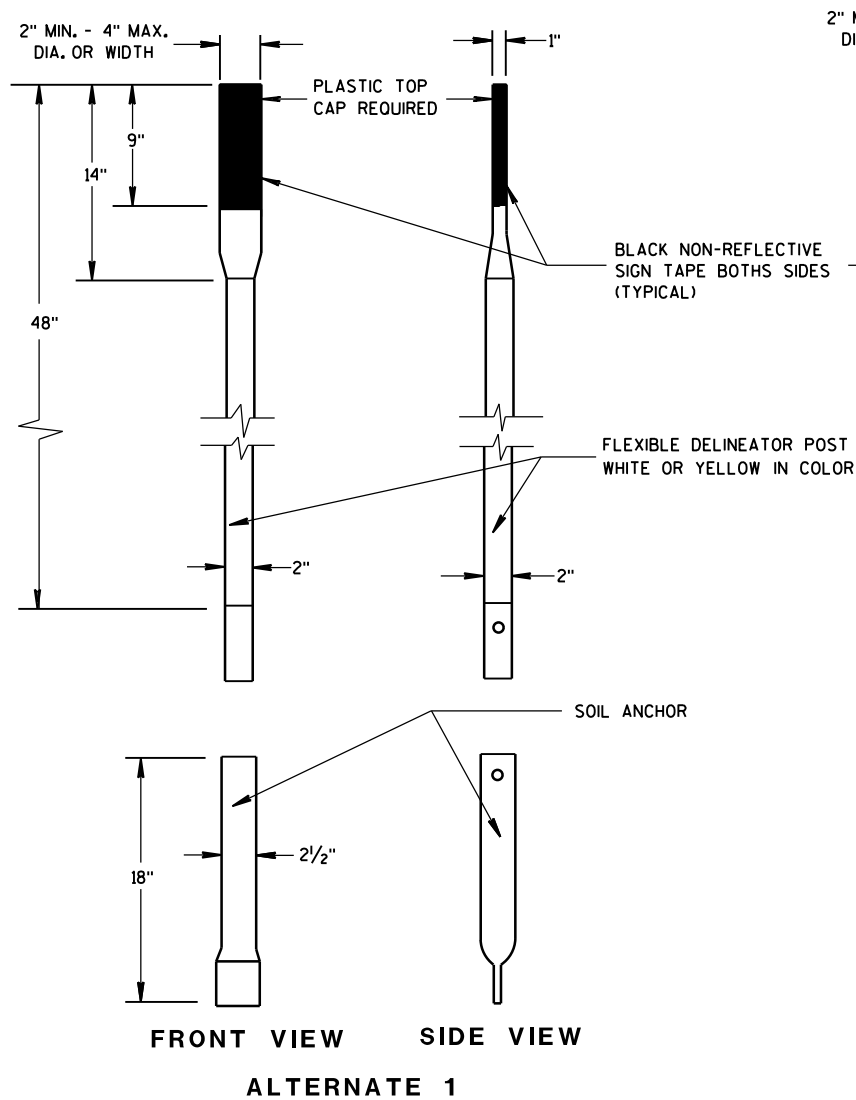
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



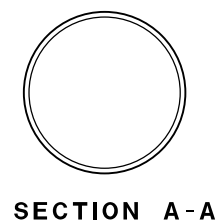
CROSS SECTION
FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

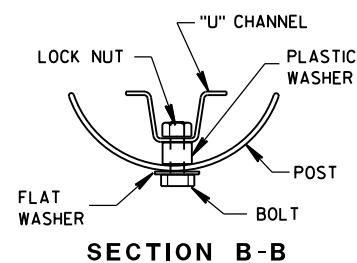
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



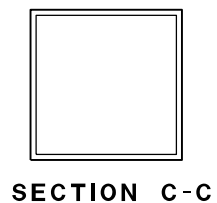
FLEXIBLE MARKER POSTS



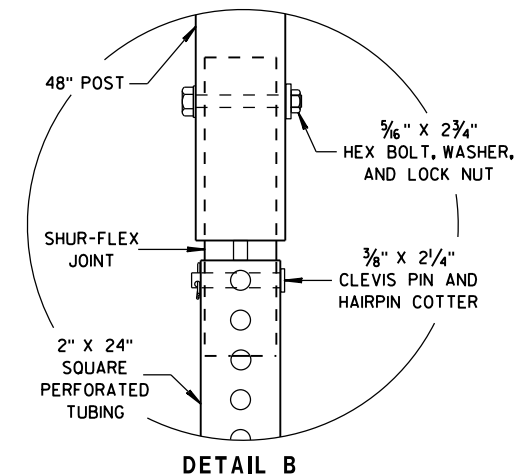
SECTION A-A



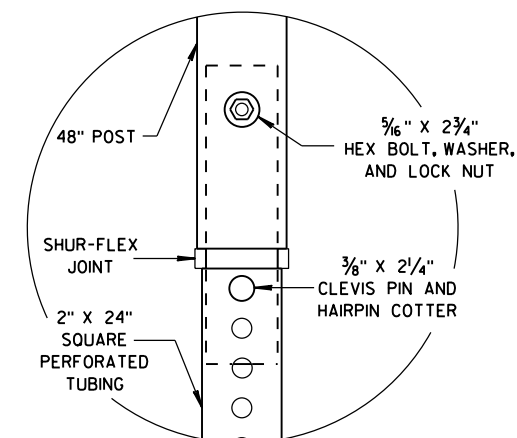
SECTION B-B



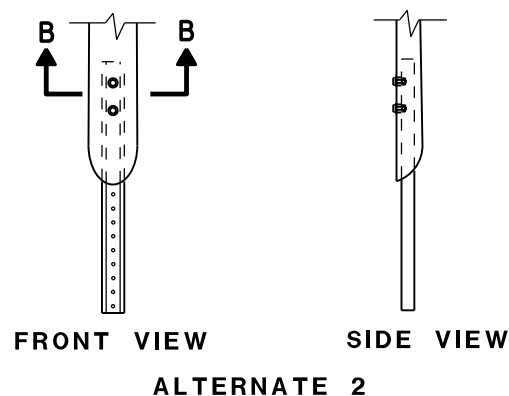
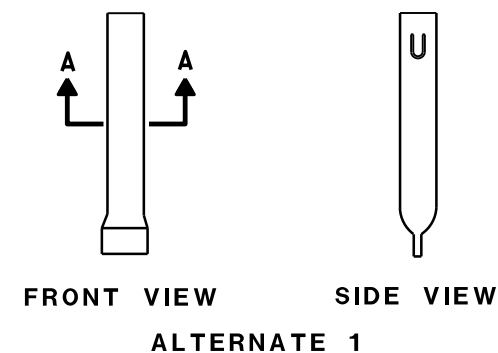
SECTION C-C



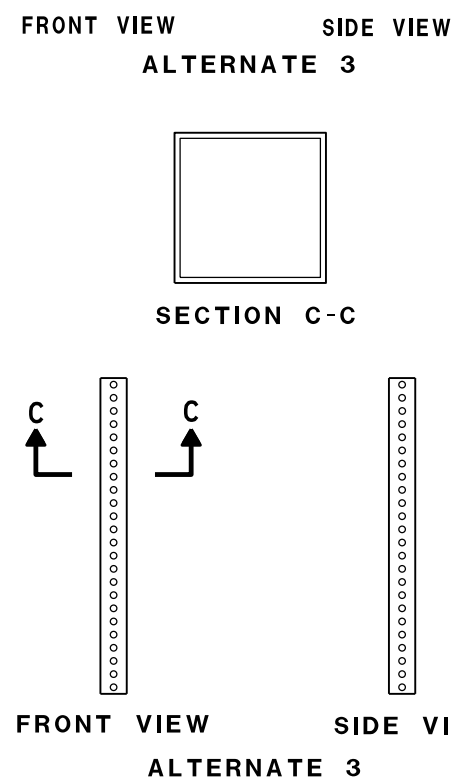
DETAIL B



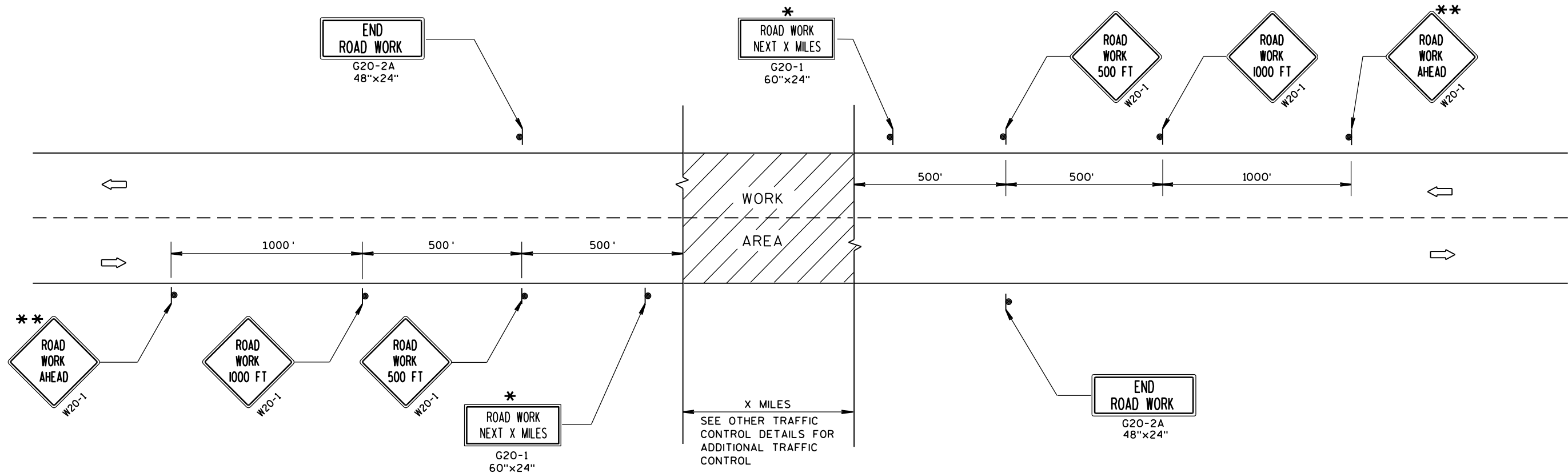
DETAIL C



FLEXIBLE MARKER POST ANCHORS



FLEXIBLE MARKER POST FOR CULVERT END	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10/1/2012 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

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

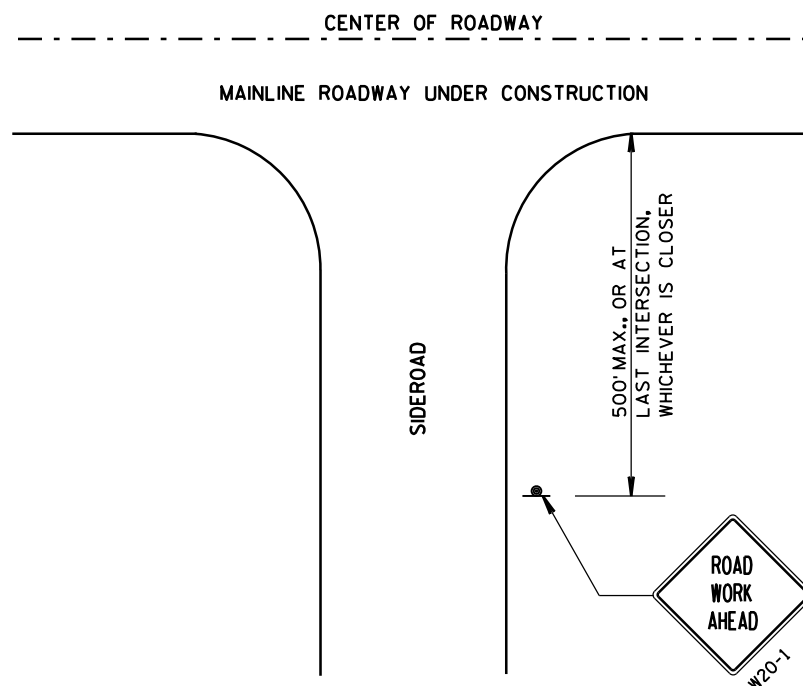
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

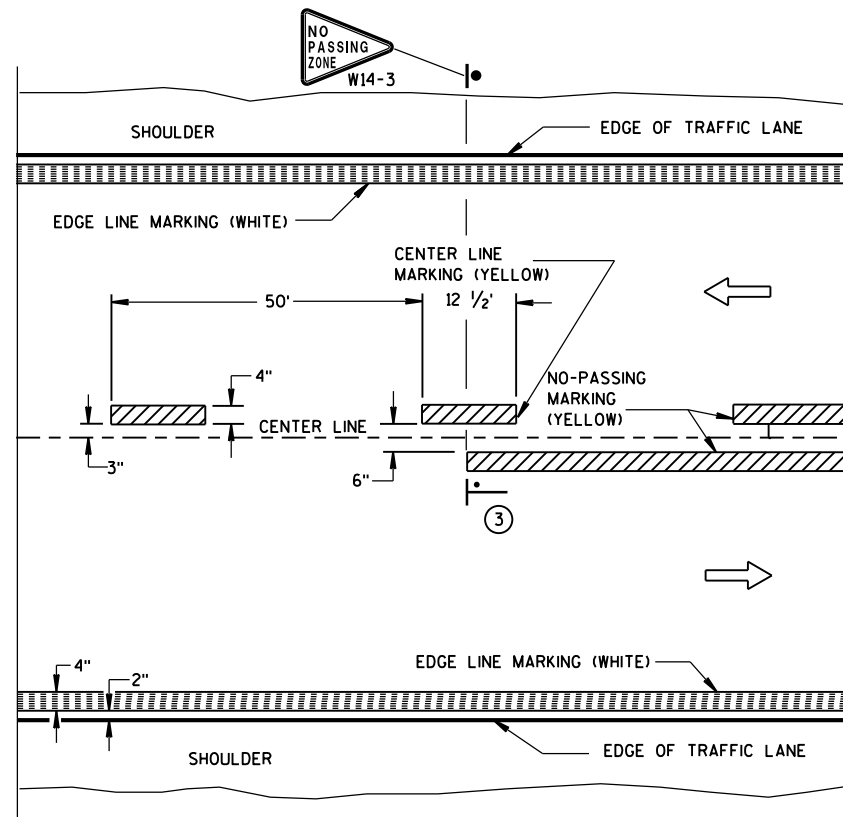
** PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



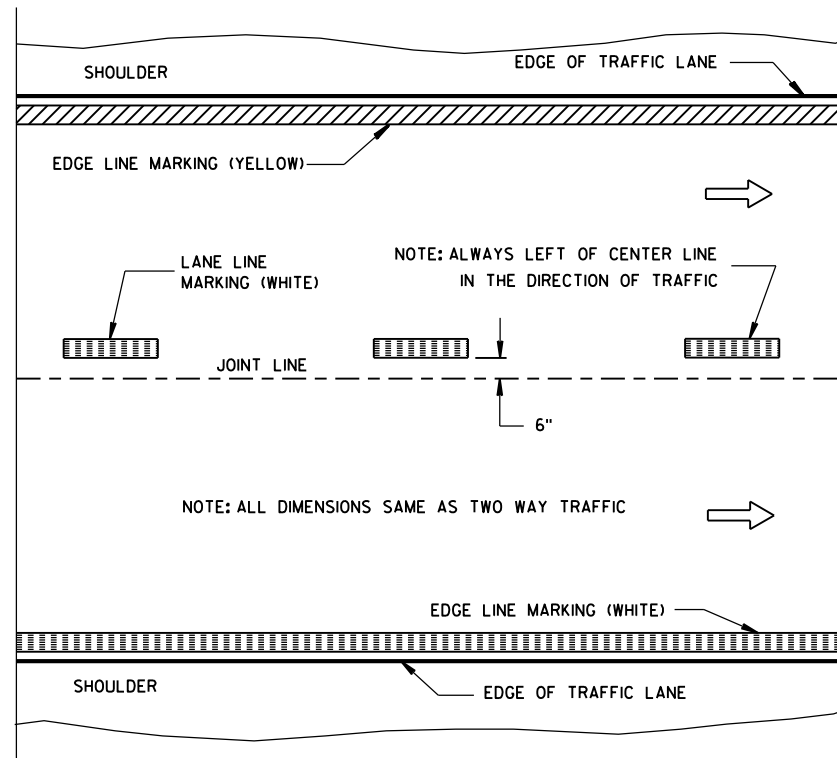
LEGEND

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

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

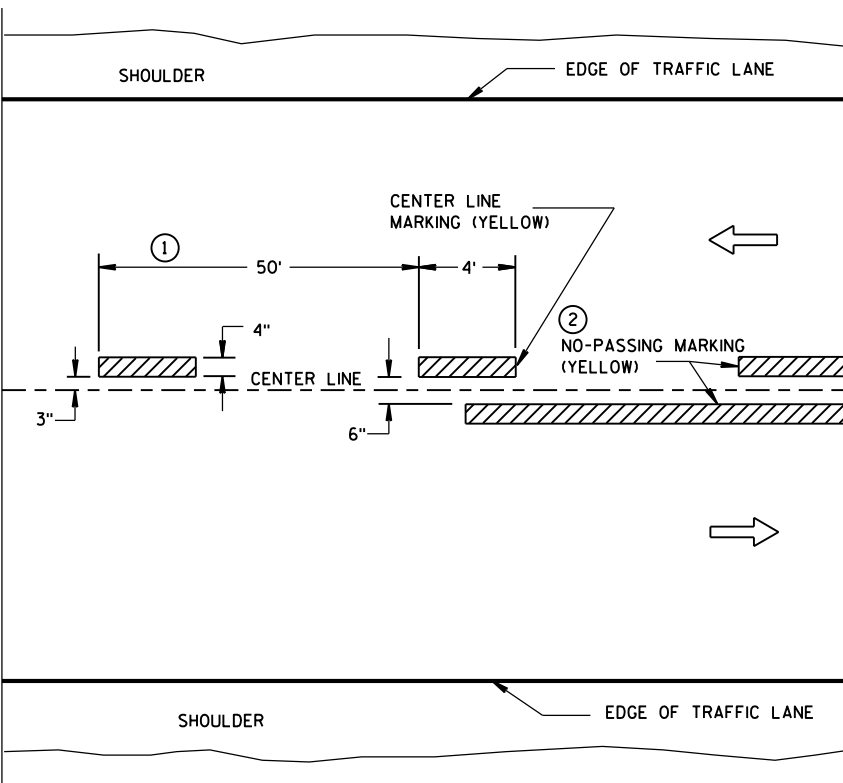


TWO WAY TRAFFIC

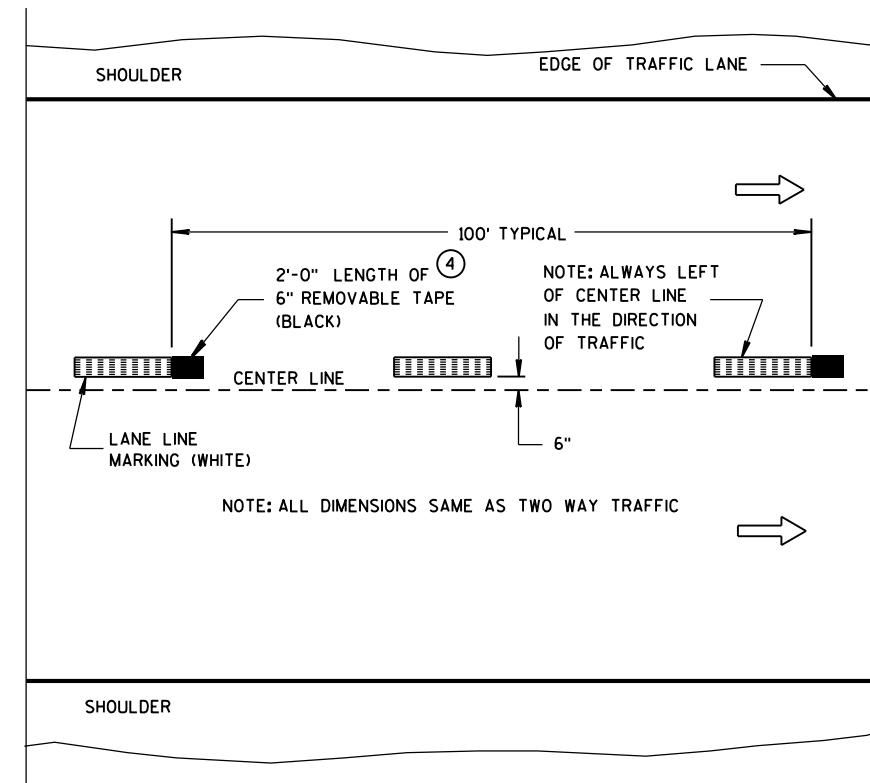


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

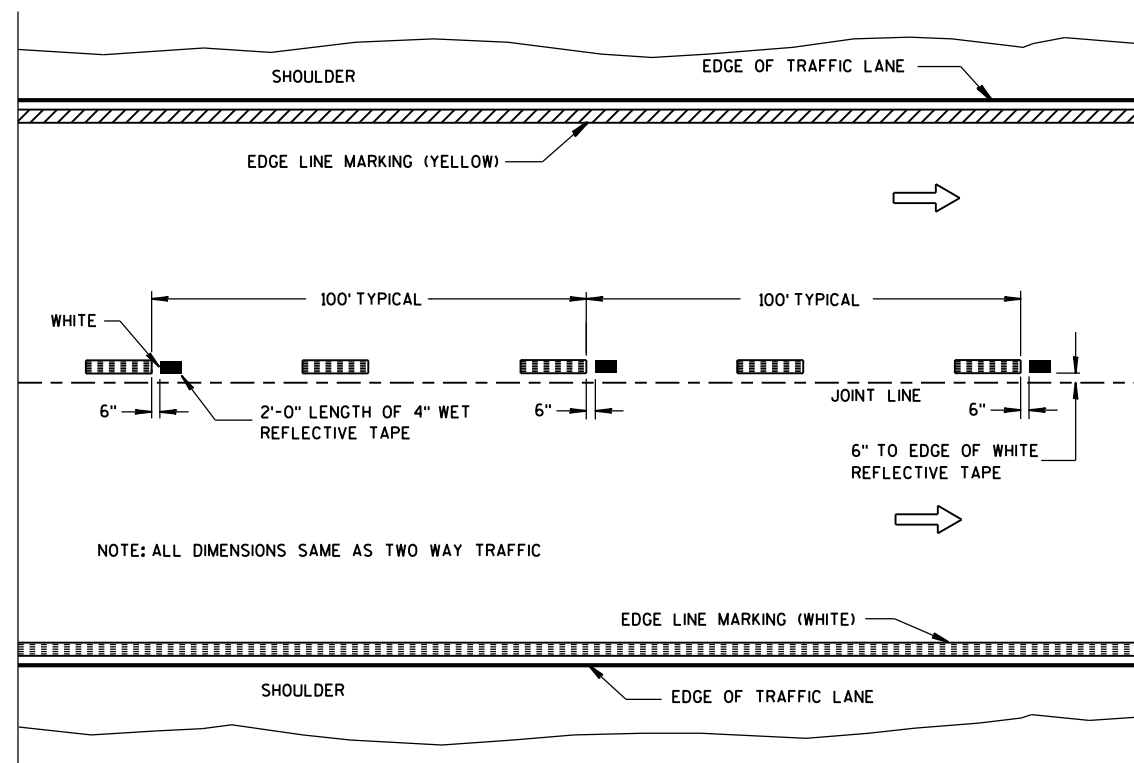
GENERAL NOTES

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

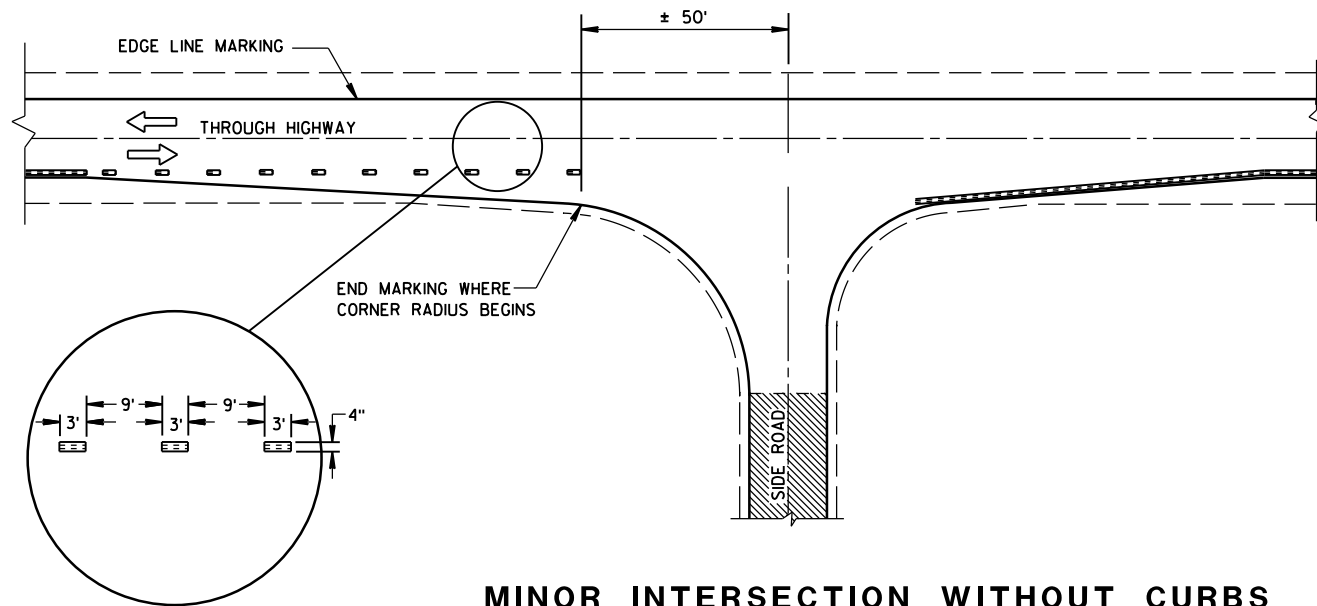
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013
DATE
FHWA

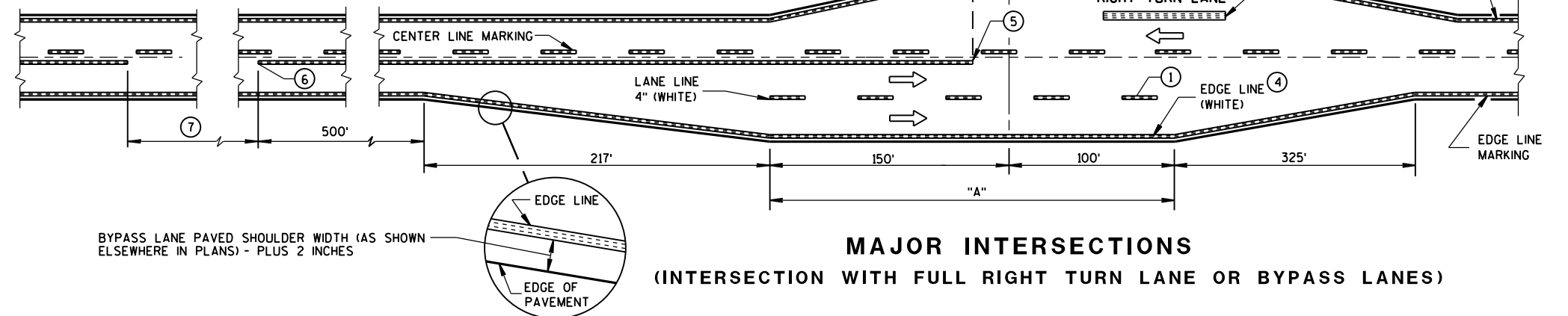
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



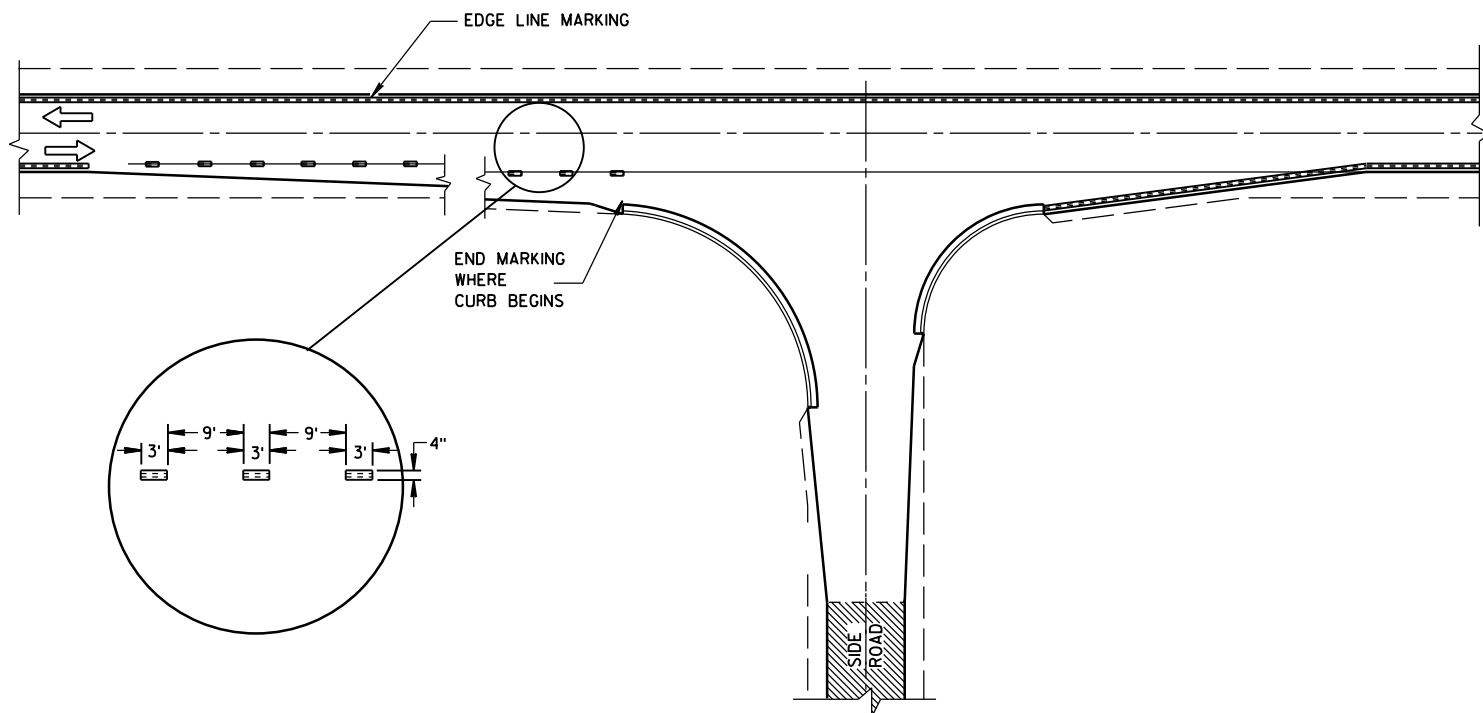
MINOR INTERSECTION WITHOUT CURBS

⑦

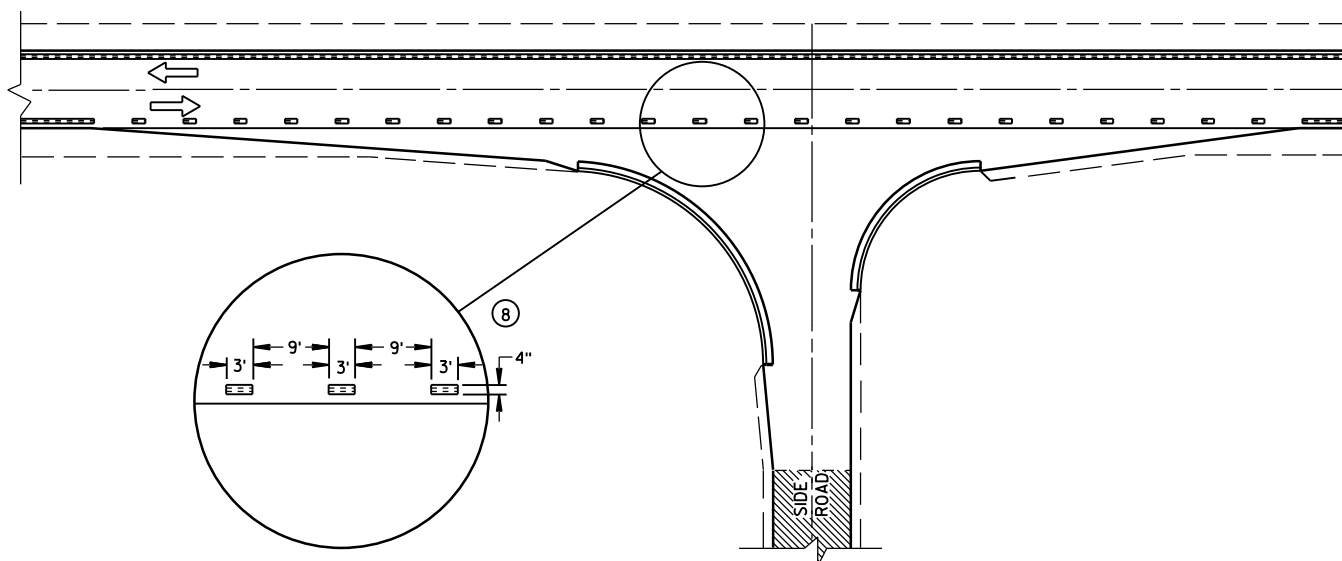
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



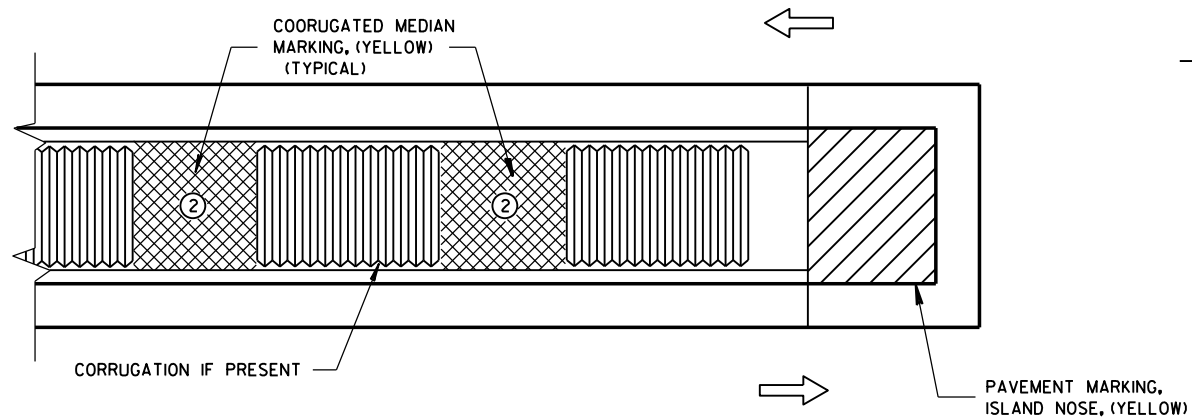
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

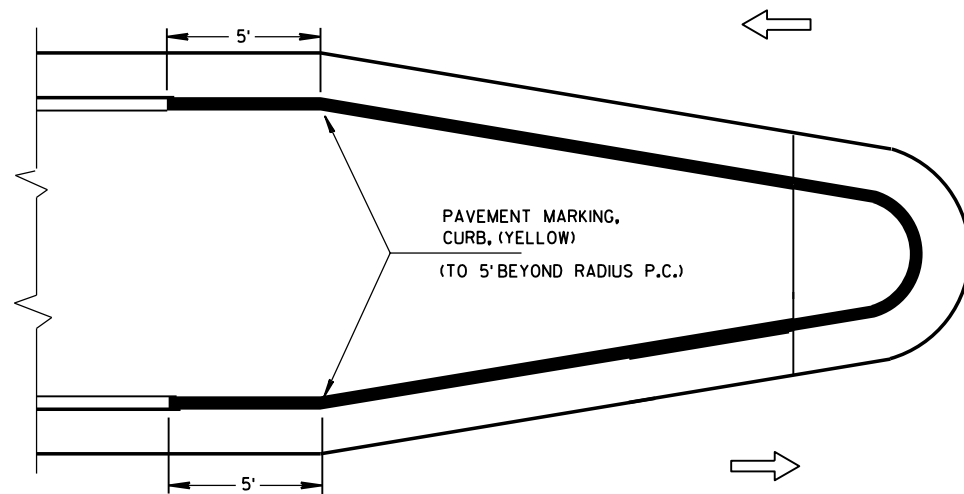
- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
 - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
 - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE 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)

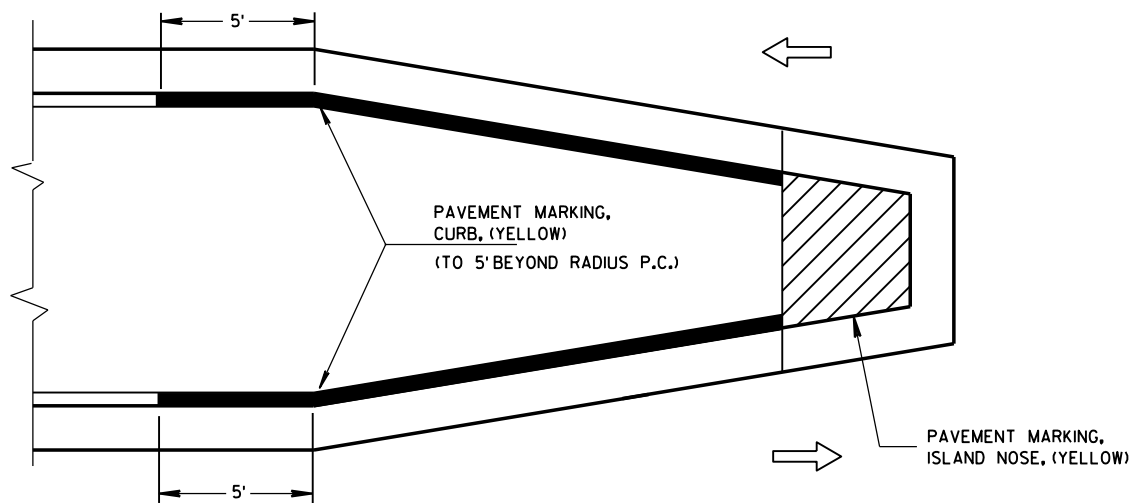
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

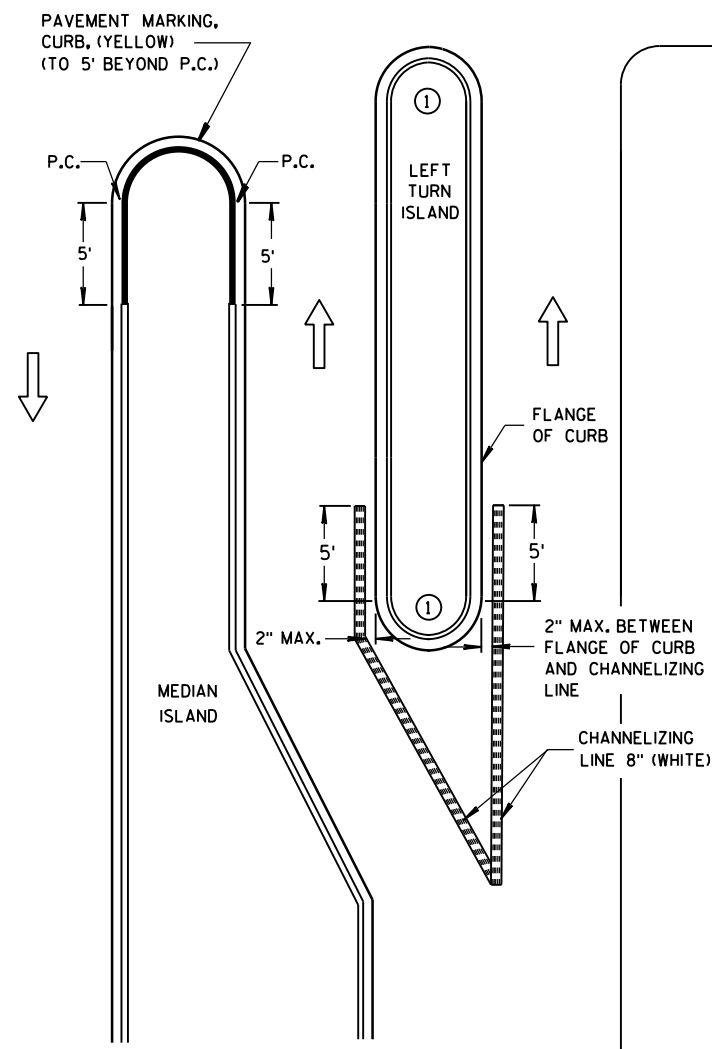


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

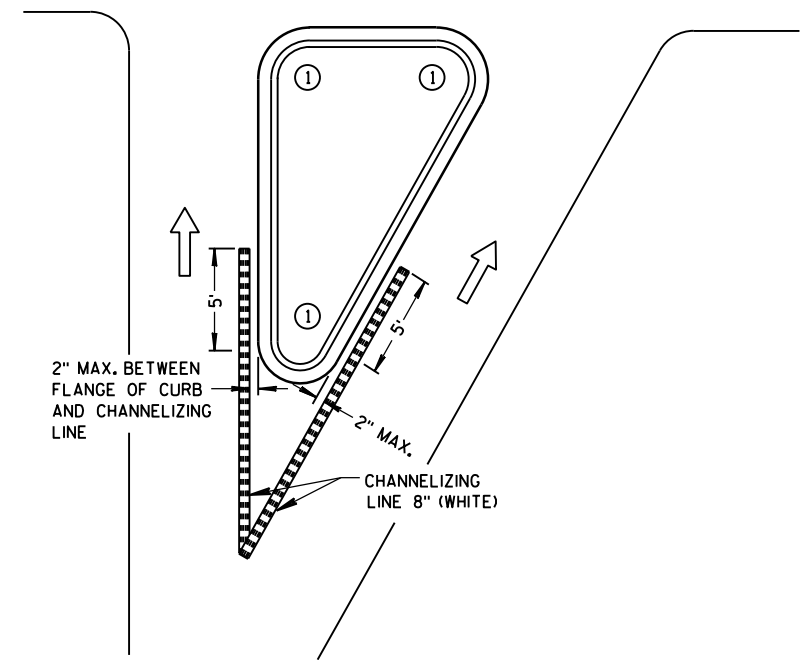
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



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

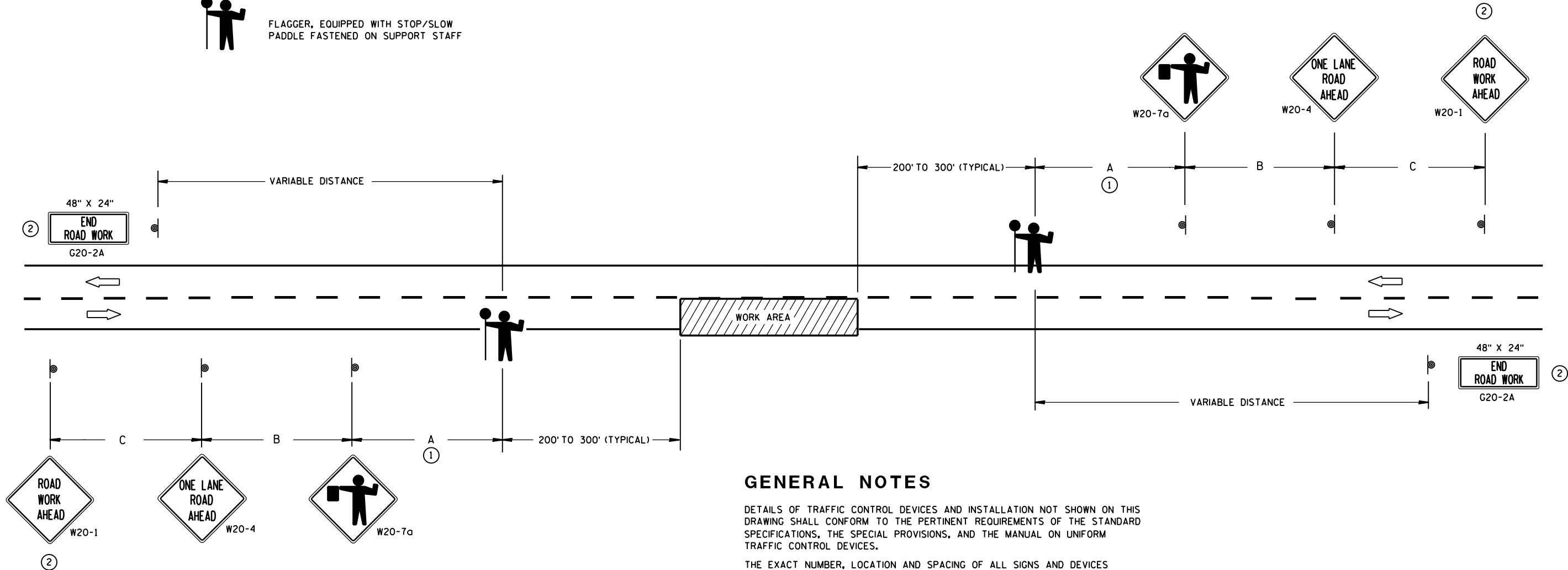
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.



- 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.

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.

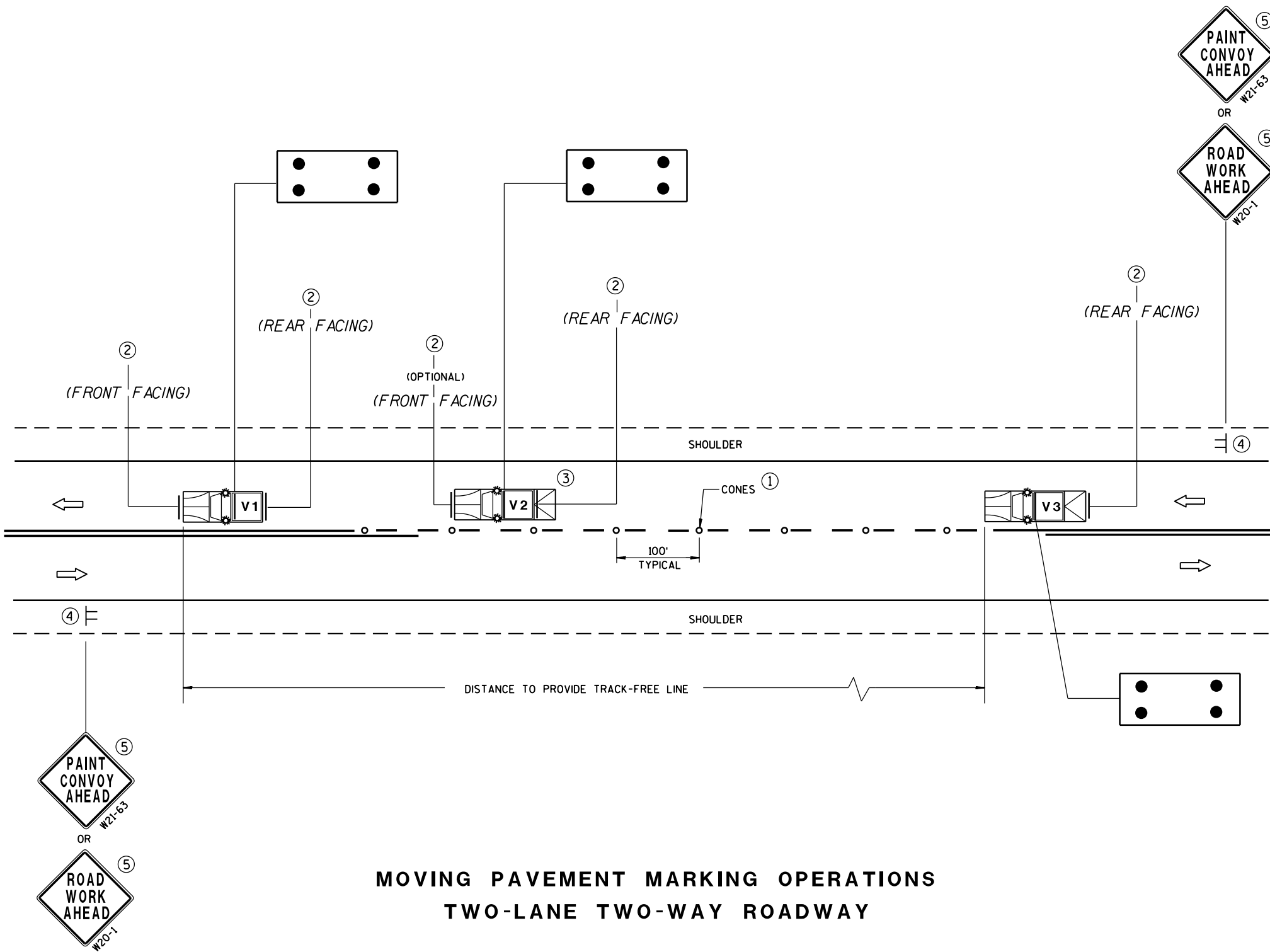
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

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



GENERAL NOTES

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

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

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

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

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

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

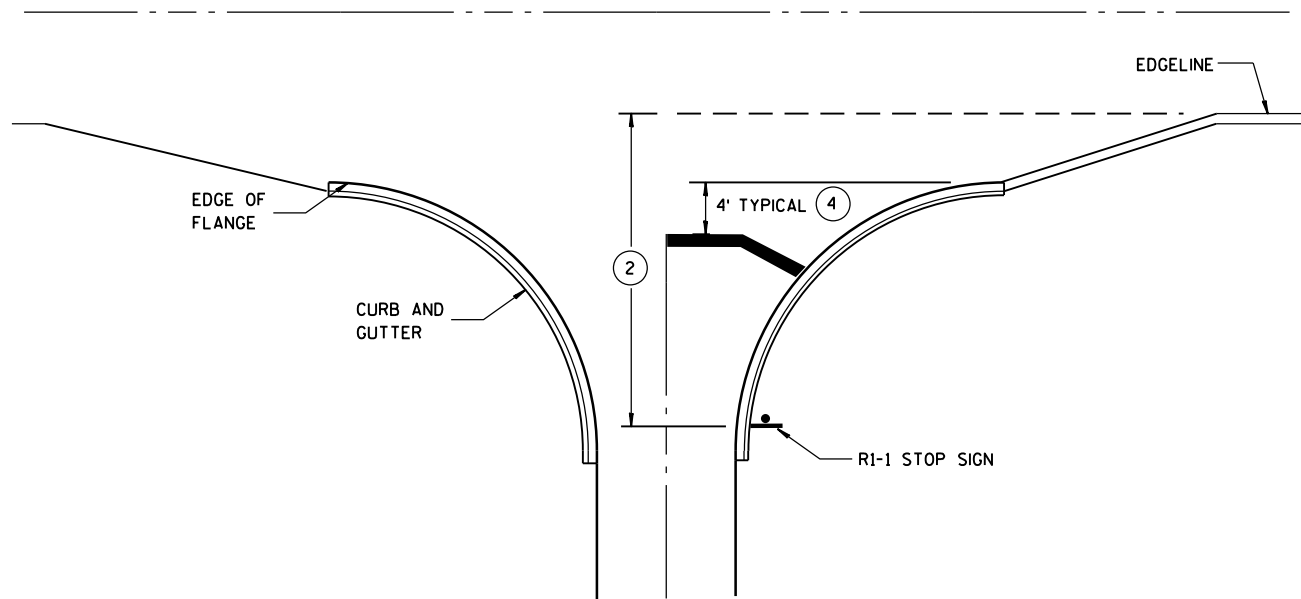
LEGEND

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

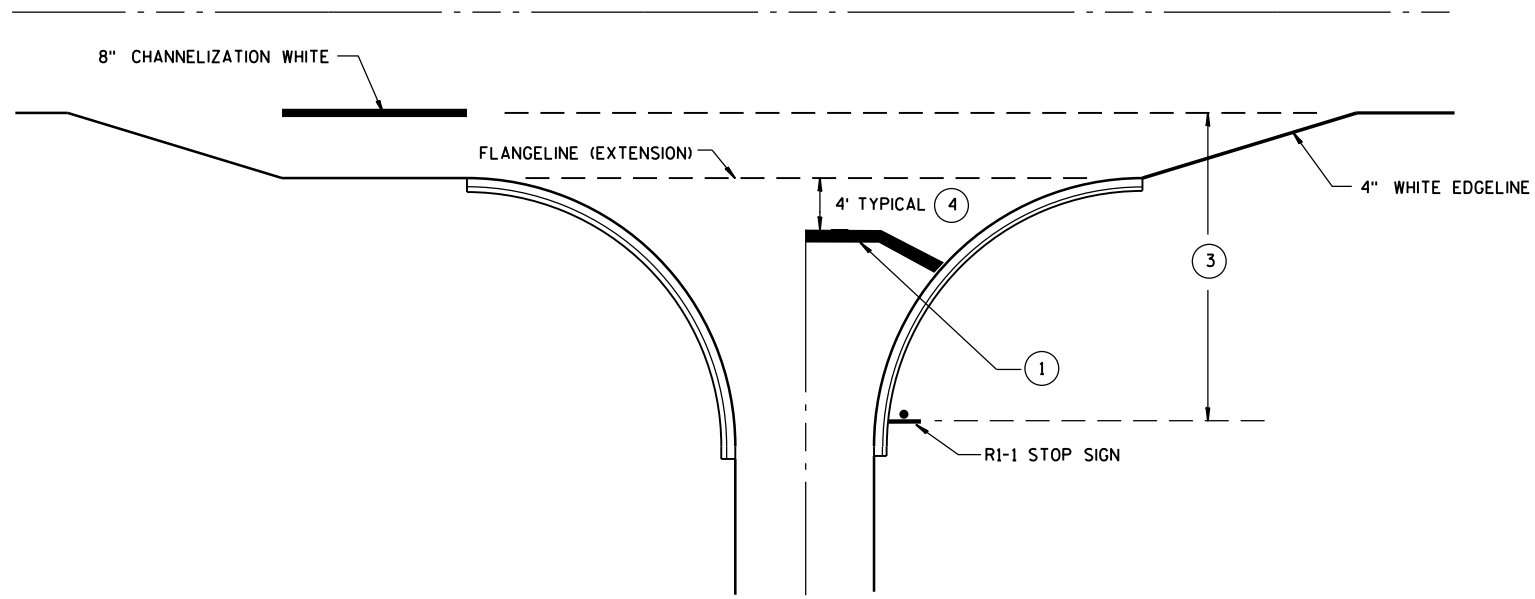
MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

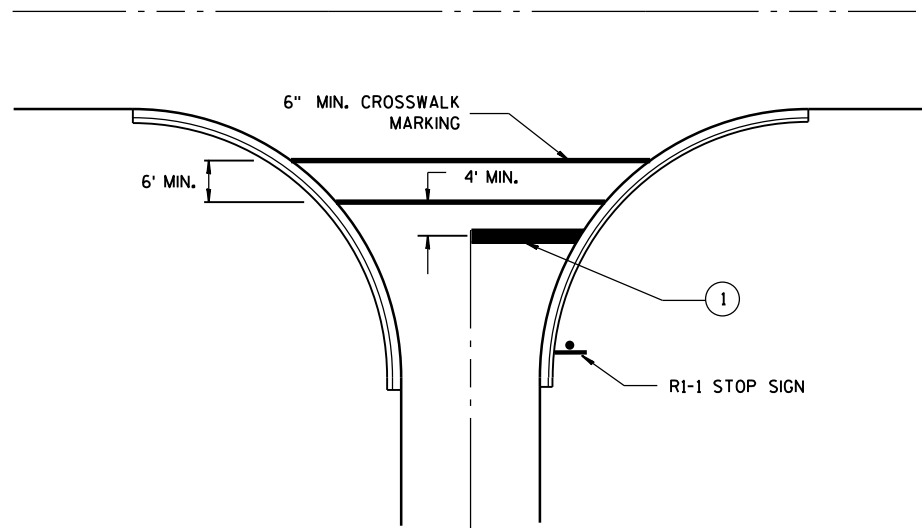
APPROVED
5/3/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



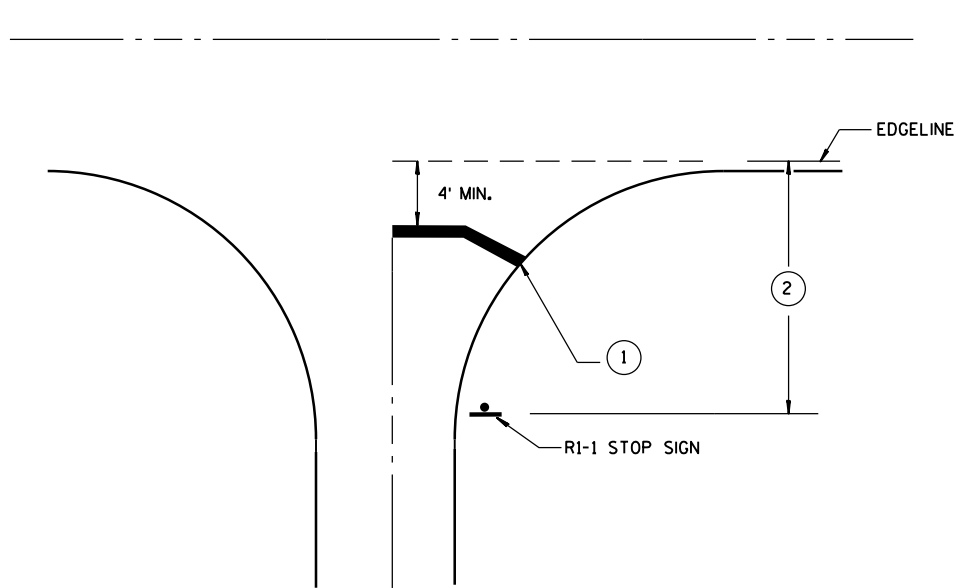
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

GENERAL NOTES

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

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4/30/2013 DATE	/S/ Travis Feltz STATE TRAFFIC ENGINEER
FHWA	

GENERAL NOTES

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. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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.

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

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

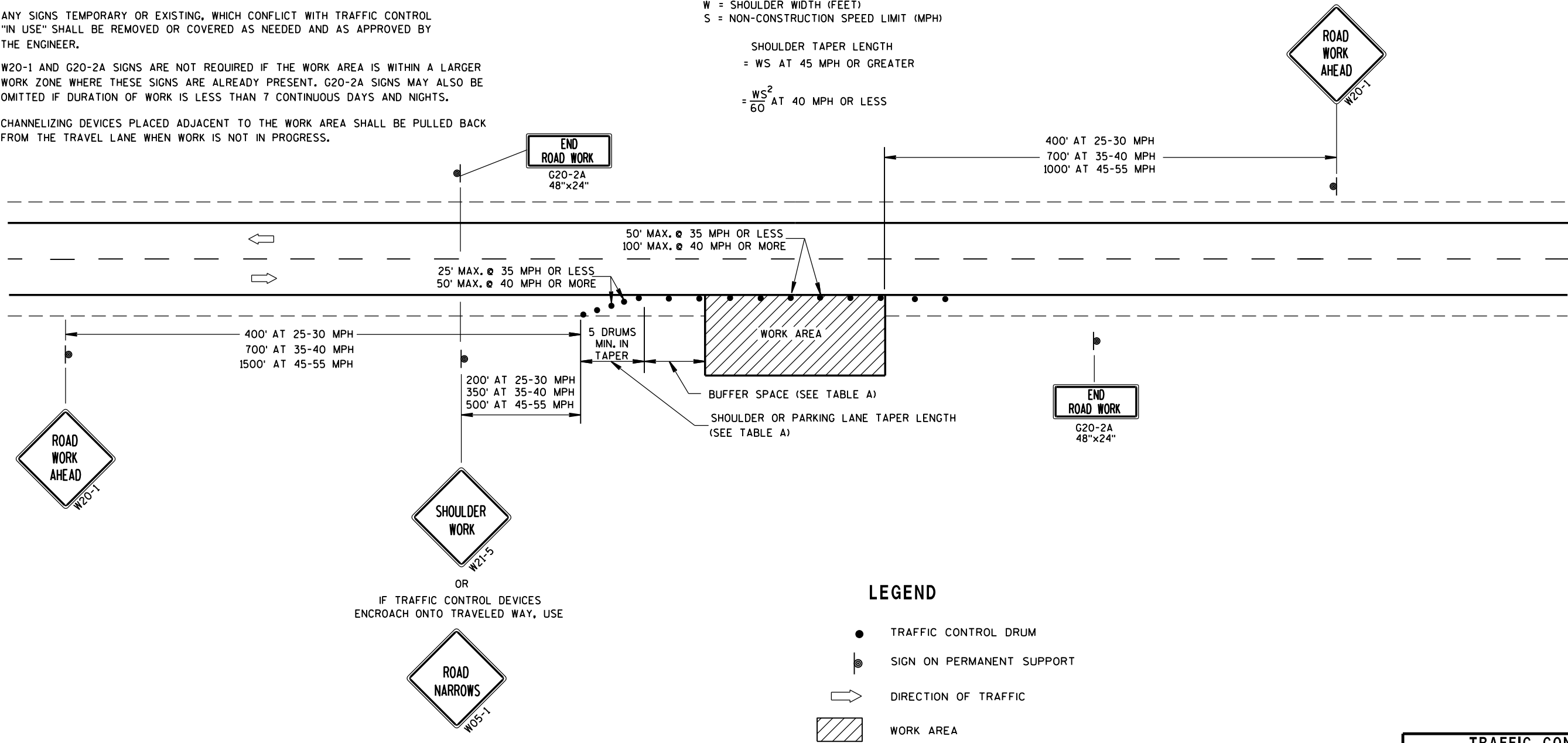
TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
= WS AT 45 MPH OR GREATER

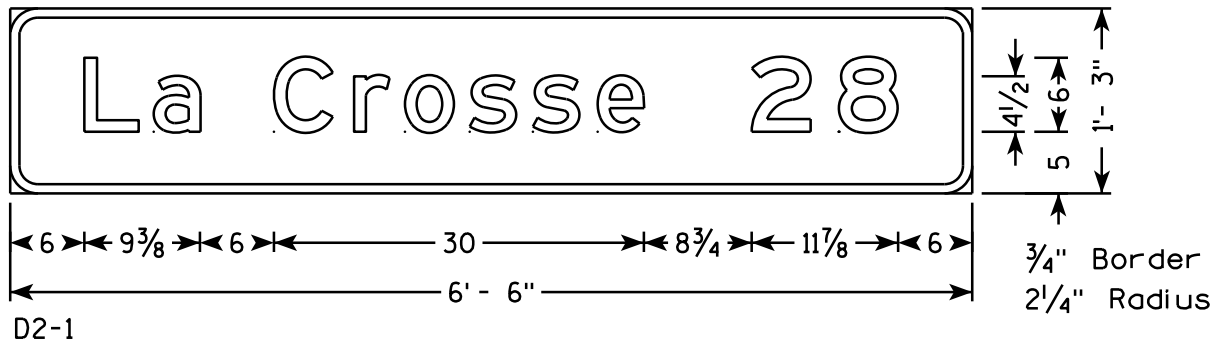
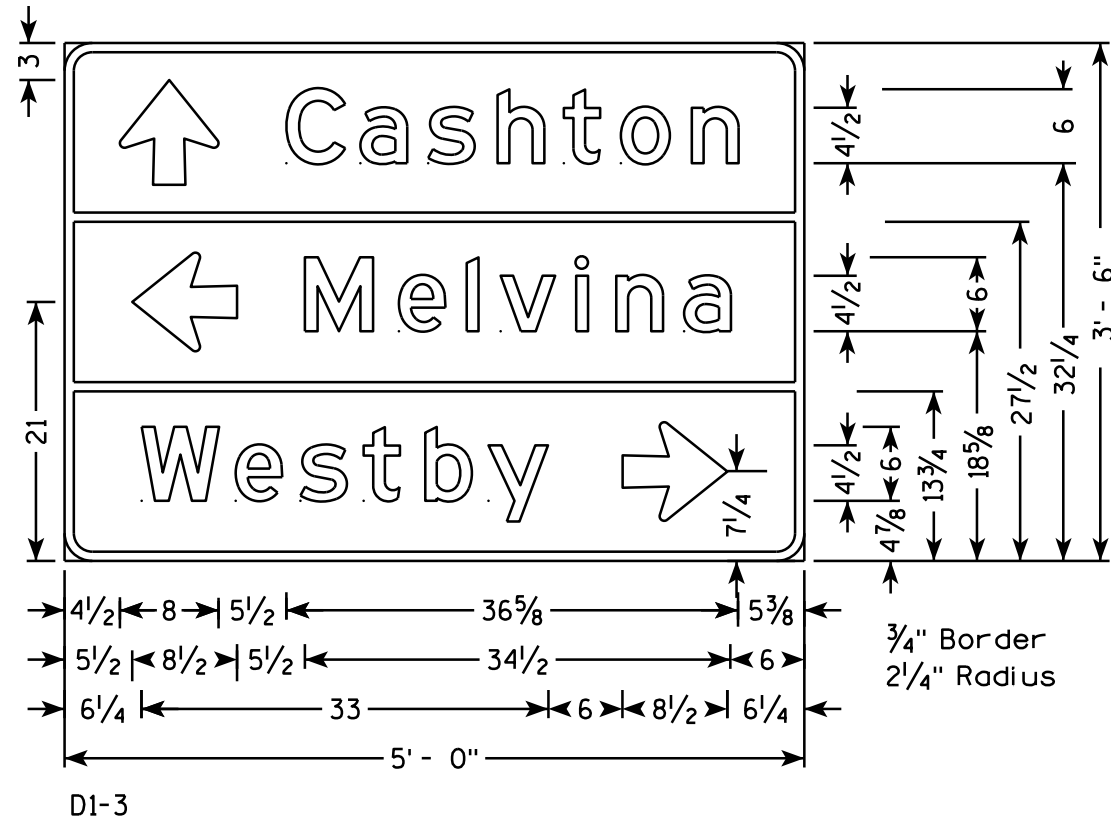
= $\frac{WS^2}{60}$ AT 40 MPH OR LESS



LEGEND

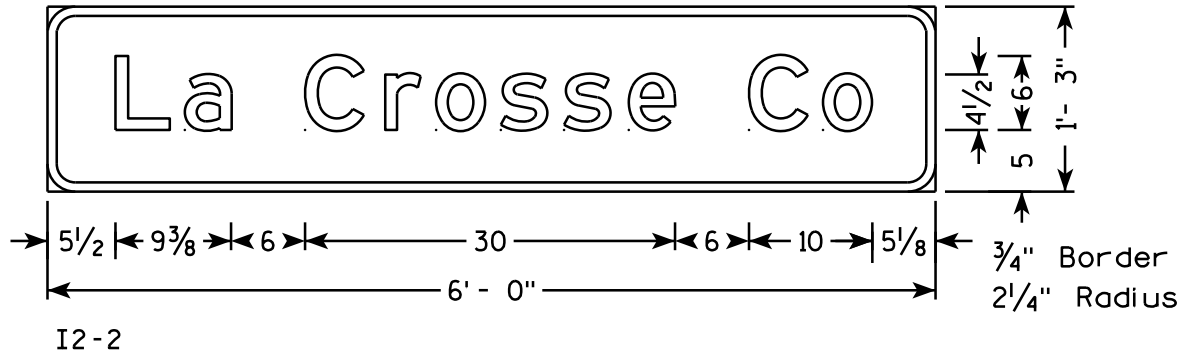
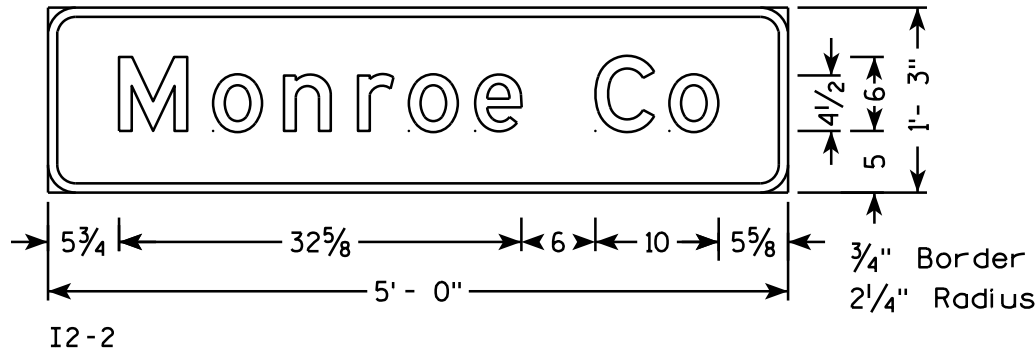
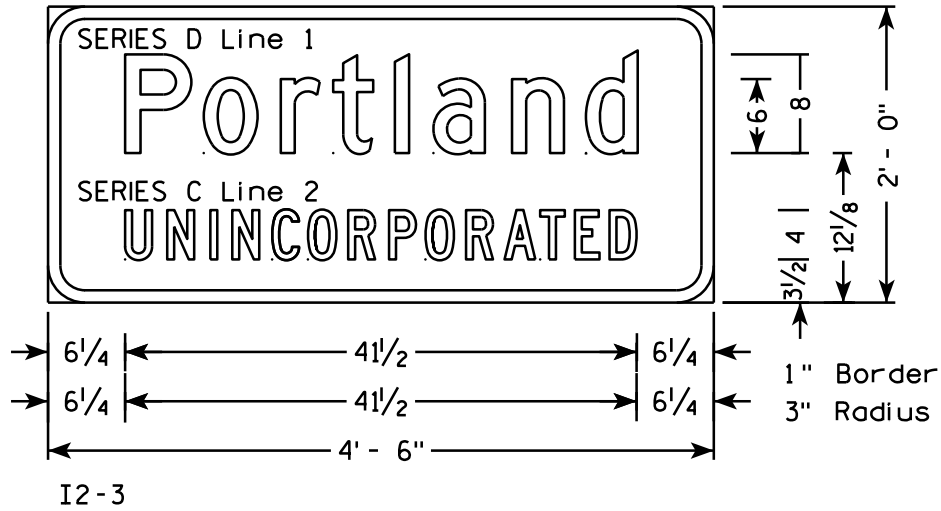
- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

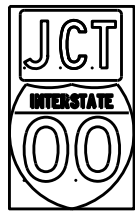


NOTES

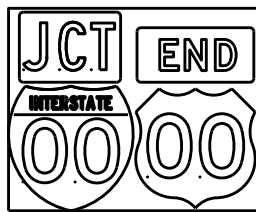
- 1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - GREEN
Message - WHITE
- 3. Message Series - E except as Shown



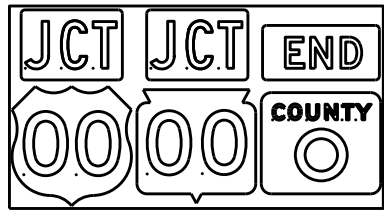
TYPICAL ASSEMBLIES



J1-1



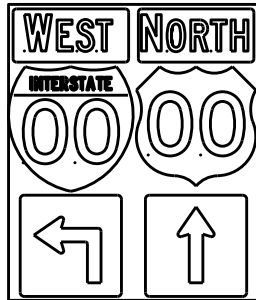
J1-2



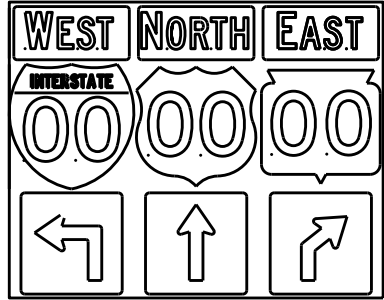
J1-3



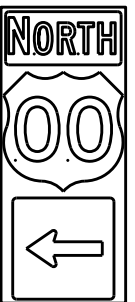
J2-1



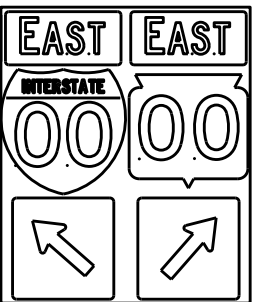
J2-2



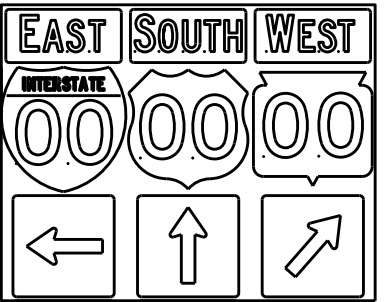
J2-3



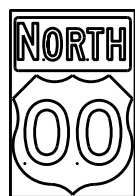
J3-1



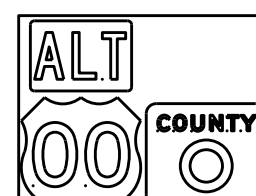
J3-2



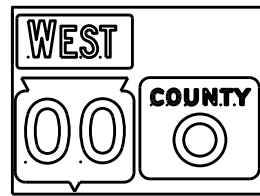
J3-3



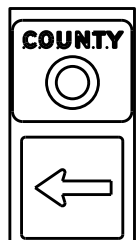
J4-1



J4-2



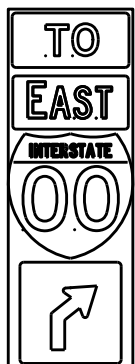
J4-2



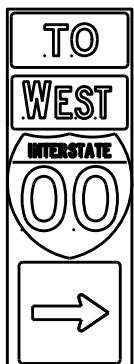
J13-1



J12-1



J32-1



J33-1



J23-1

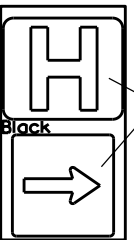


J22-1



JV

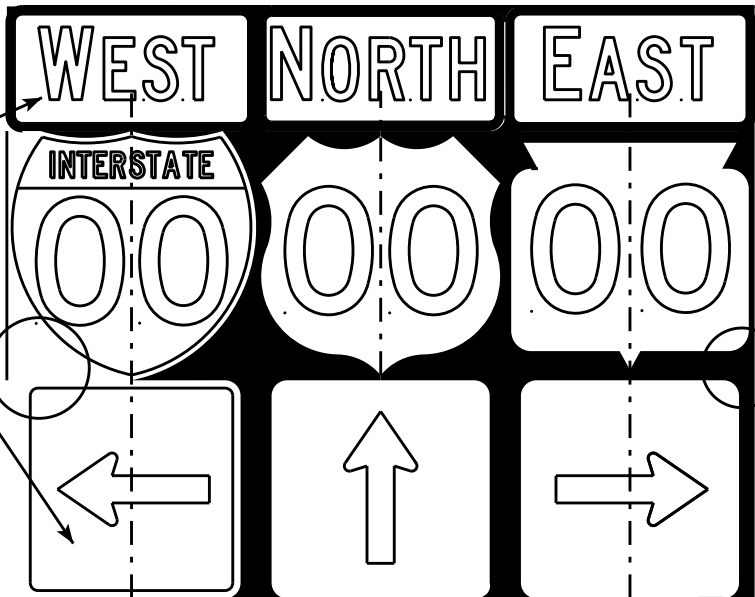
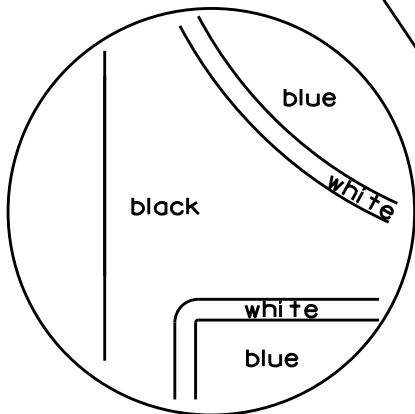
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

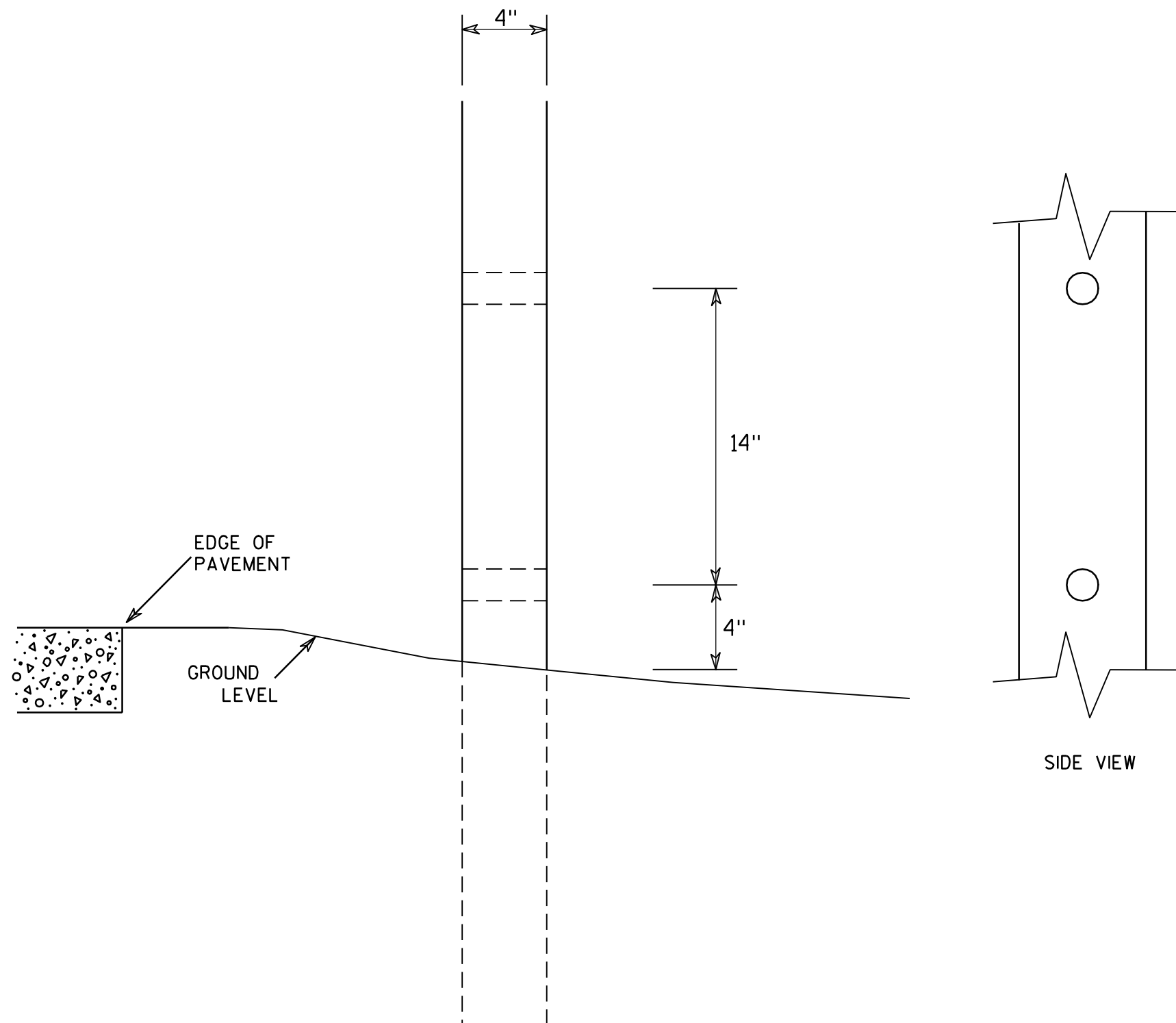
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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.

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:

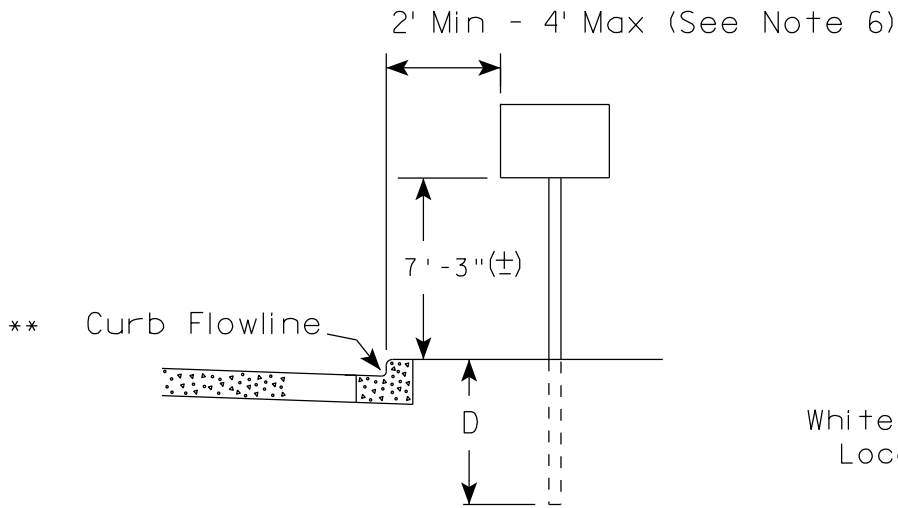
HWY:

COUNTY:

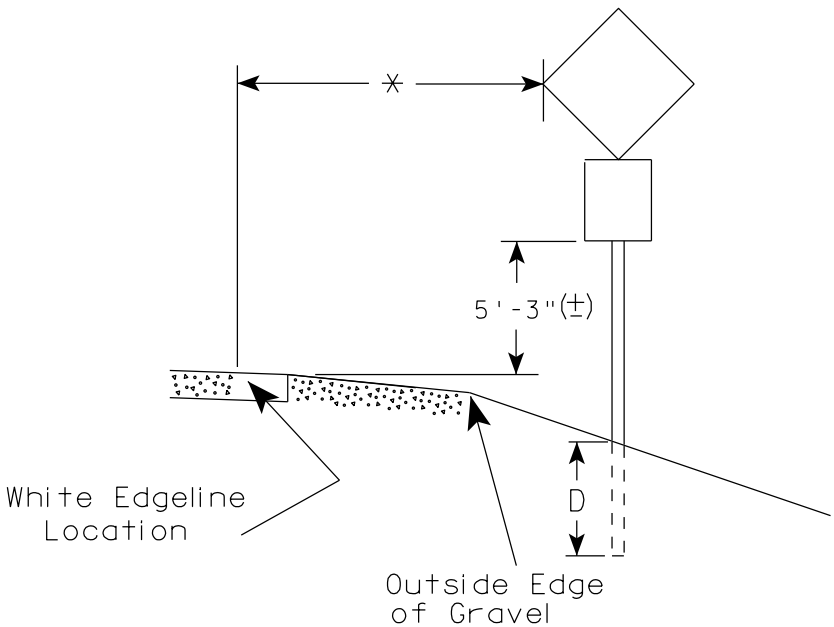
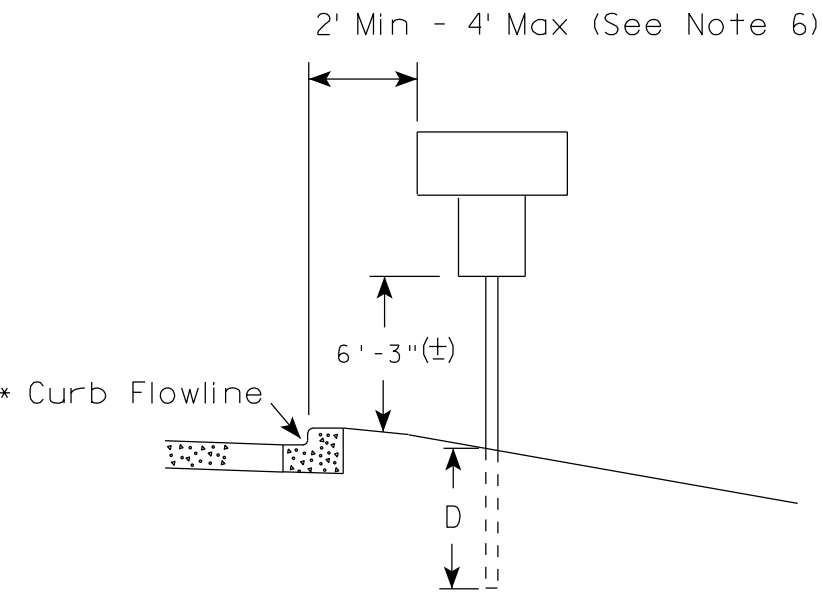
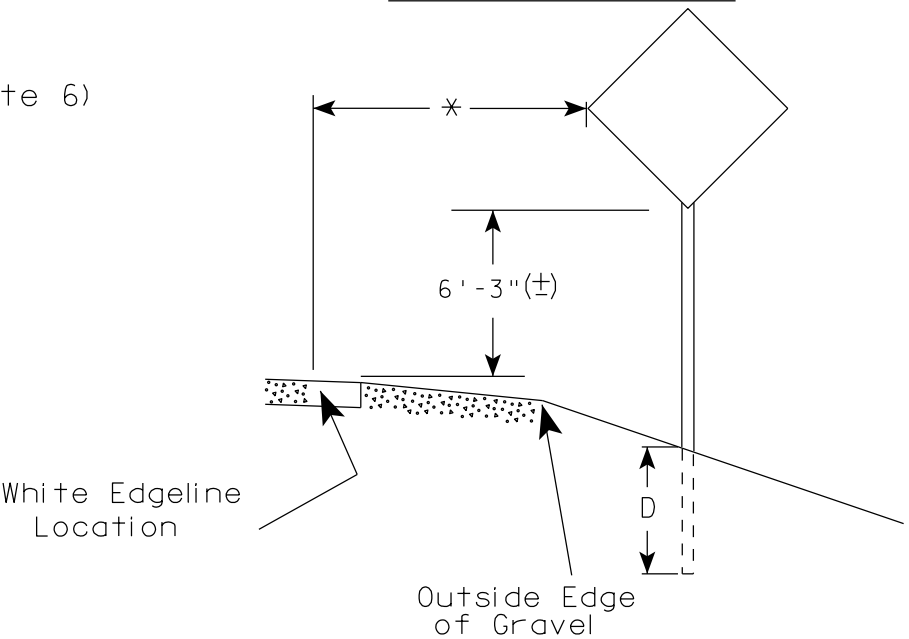
SHEET NO:

E

URBAN AREA



RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet, 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 (A4-5) 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 stop signs (R1-1F) 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) & End of Rod Markers (W5-56 & W5-56A) 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.

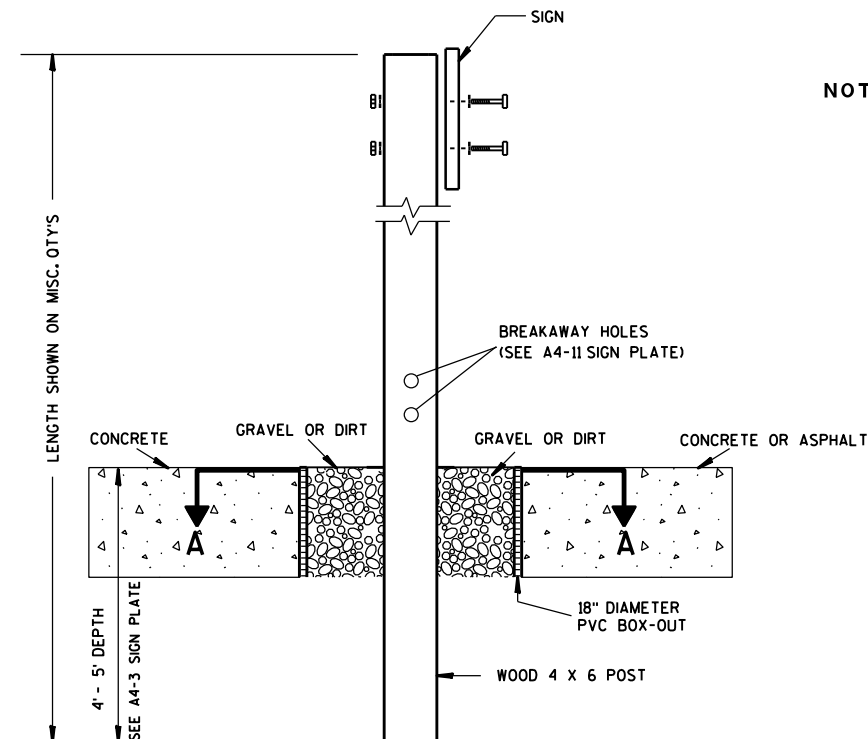
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

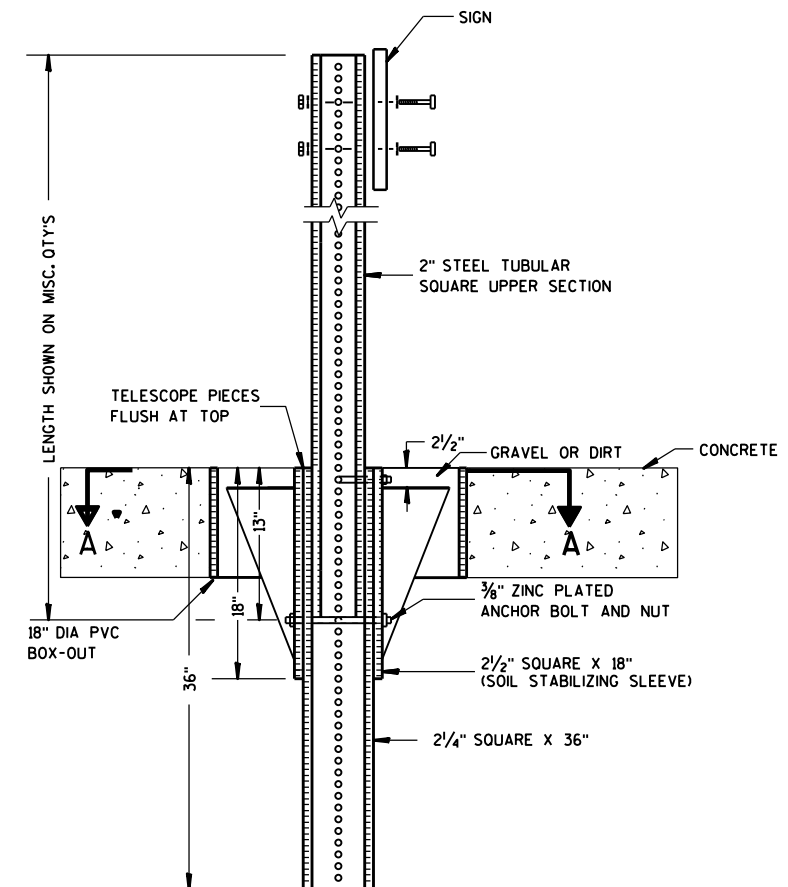
DATE 9/30/13 PLATE NO. A4-3.18



ELEVATION VIEW

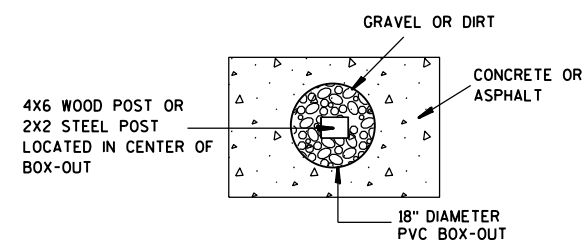
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

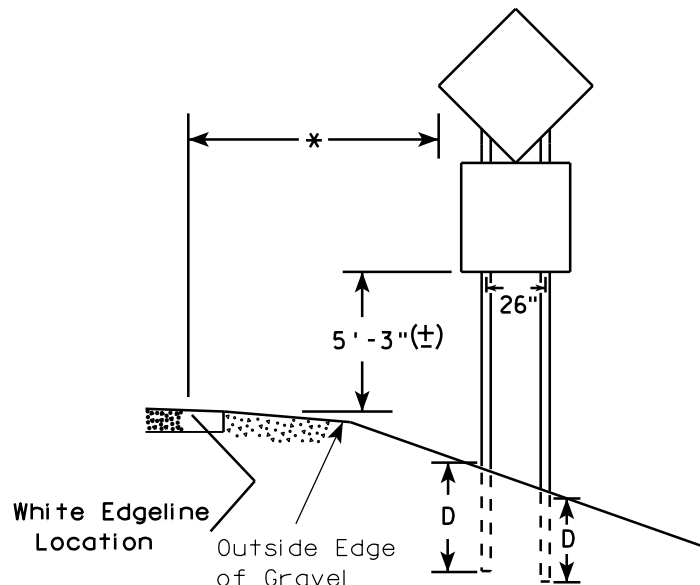
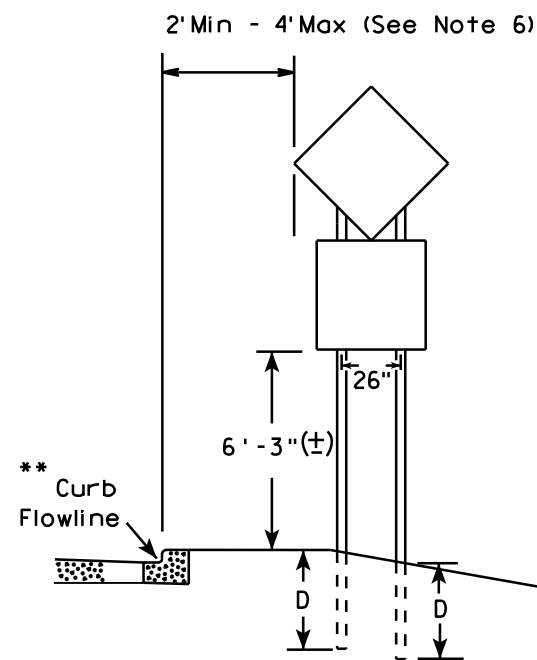
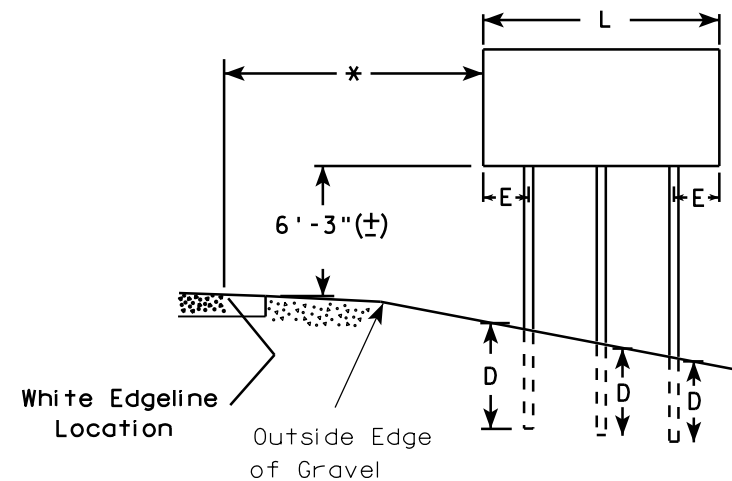
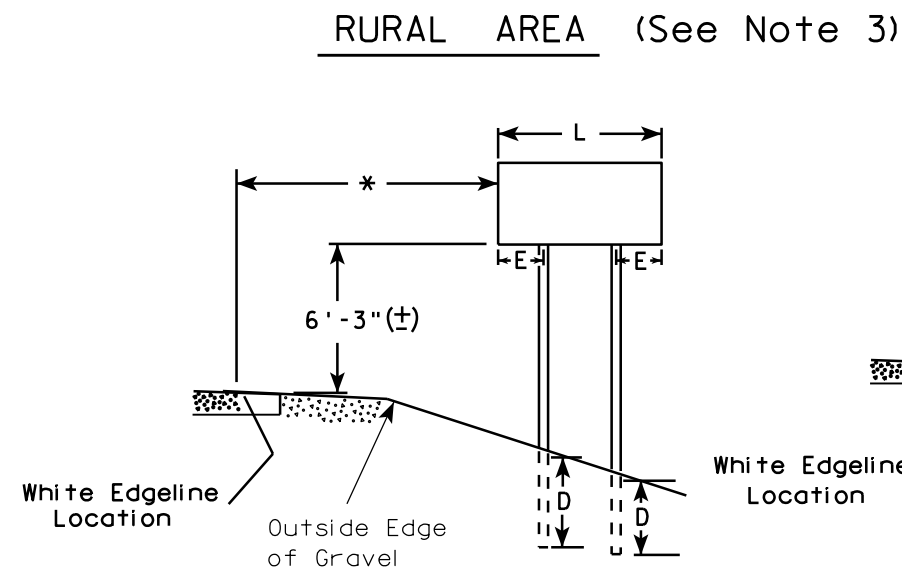
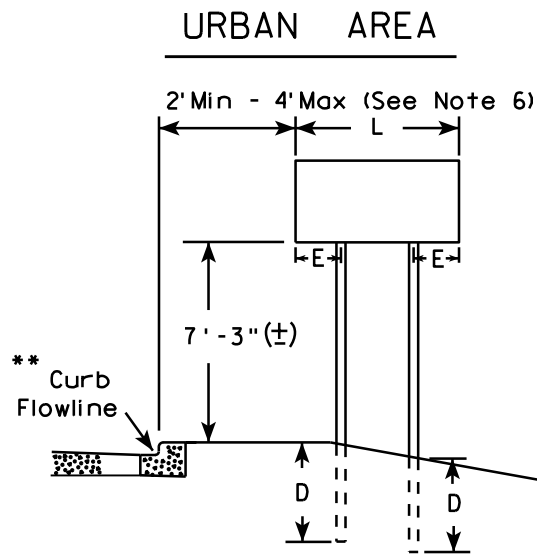
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



48" DIAMOND WARNING SIGN

48" DIAMOND WARNING SIGN

- GENERAL NOTES**
1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
 2. See tables below for required number of posts.
 3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
 4. The (±) tolerance for mounting height is 3 inches.
 5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
 7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) 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 or 20 S.F. or less 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

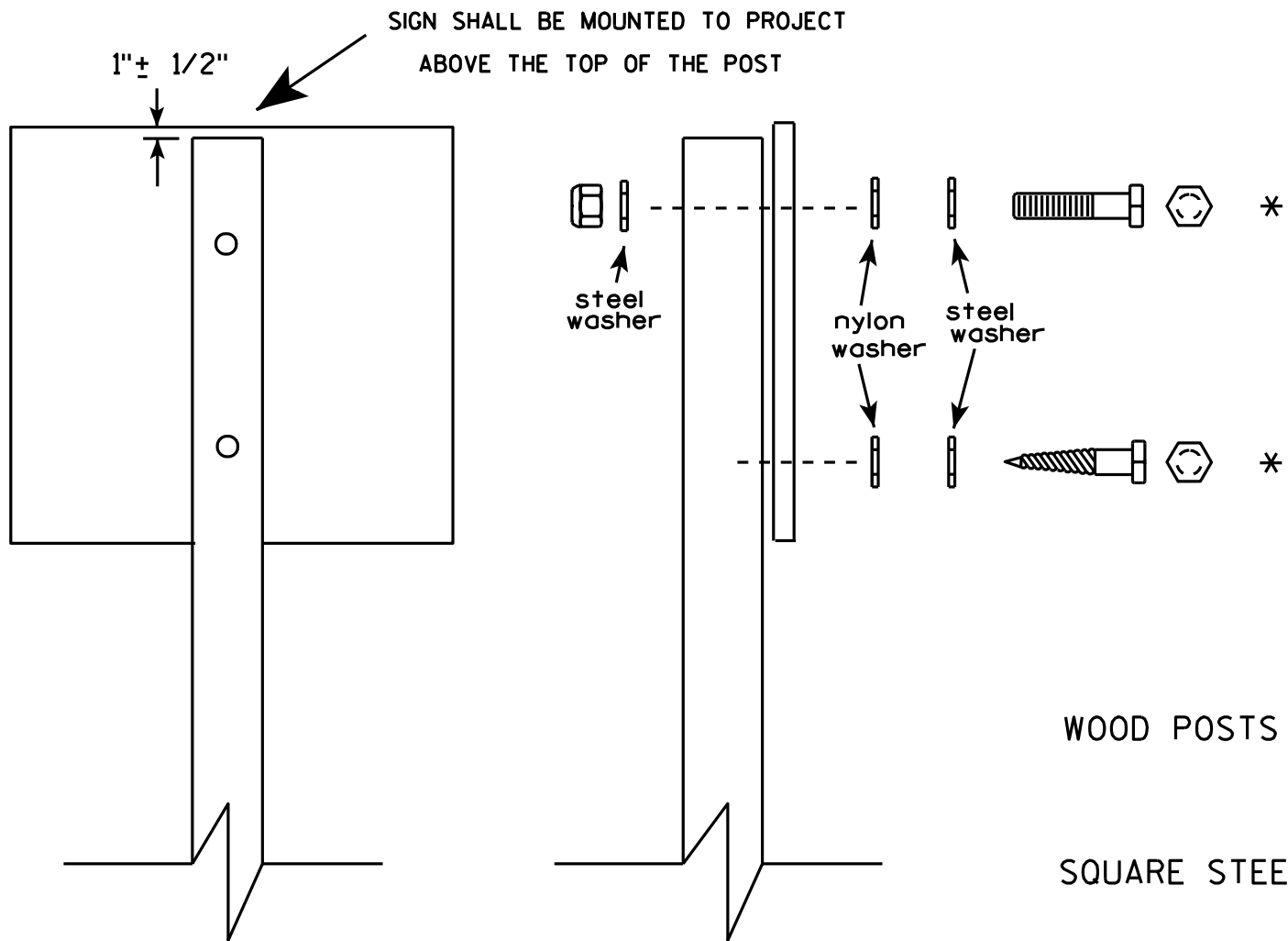
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/30/13 PLATE NO. A4-4.12

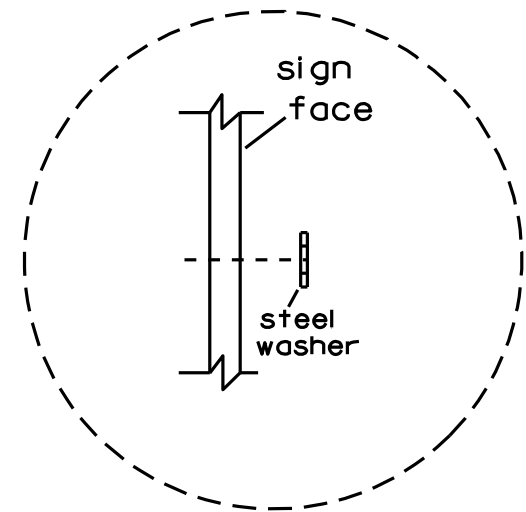


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- 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.



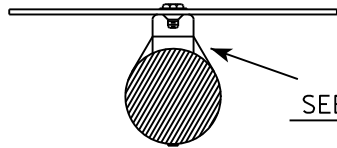
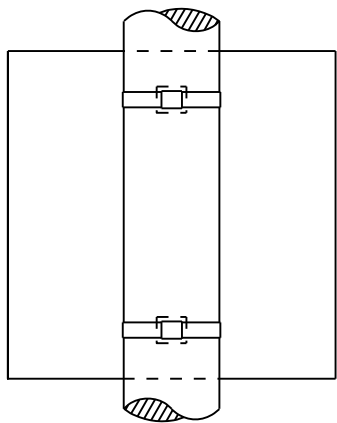
Washer Placement when Sign Has Other Than Type H or Type F Face

* 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.

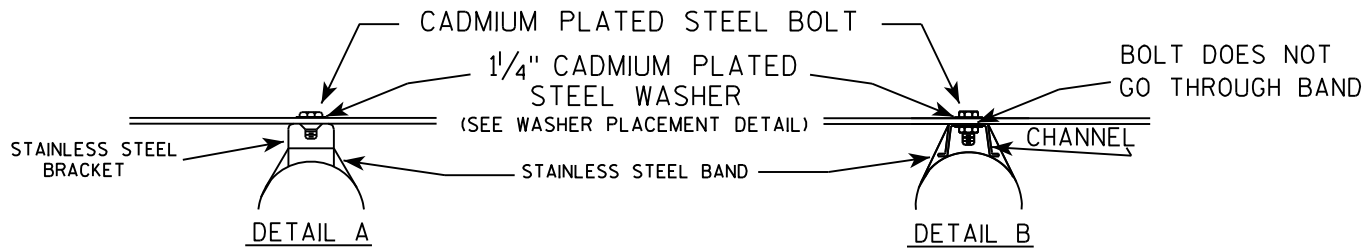
ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 3/23/10	PLATE NO. A4-8.7

BANDING

SINGLE SIGN

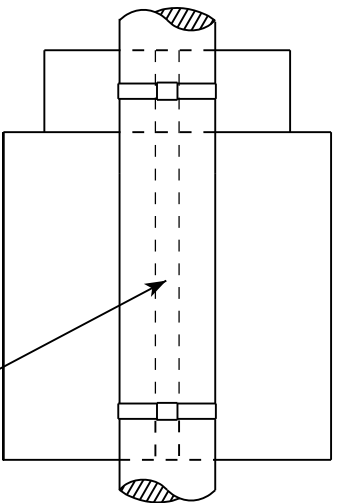


SEE DETAIL A



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

"J" ASSEMBLY

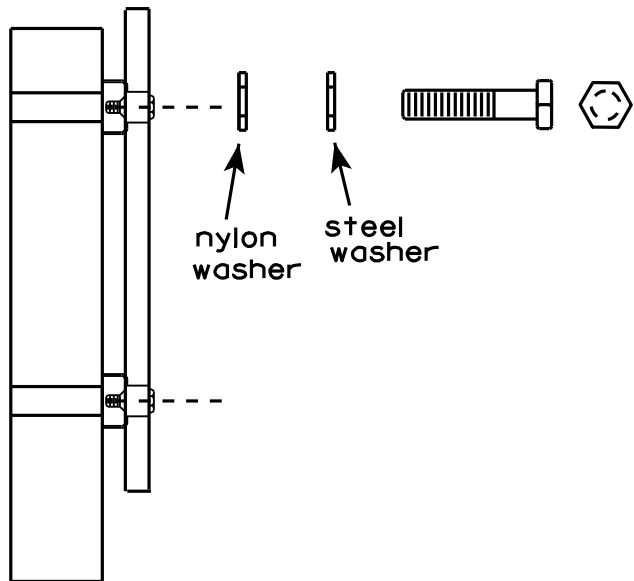


SEE DETAIL B

GENERAL NOTES

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

WASHER PLACEMENT



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

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 8/16/13

PLATE NO. A5-9.3

PROJECT NO:

HWY:

COUNTY:

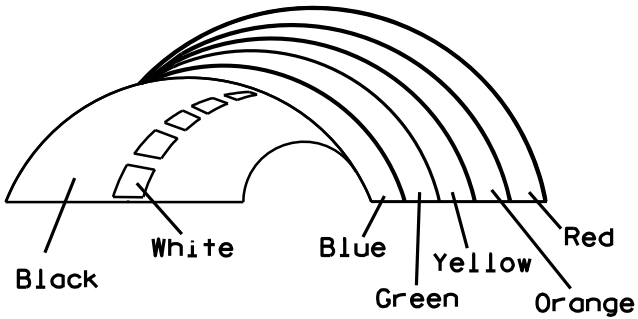
SHEET NO:

E



* 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:

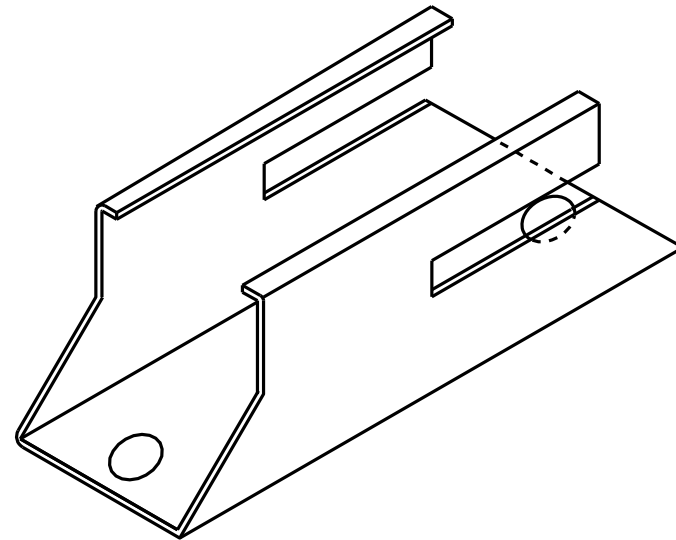
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

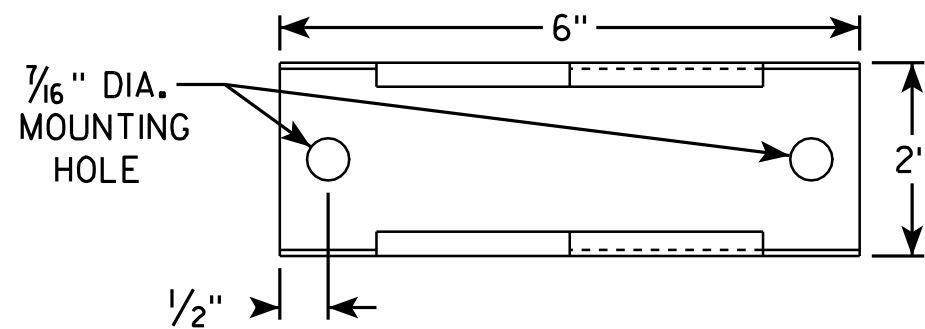
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

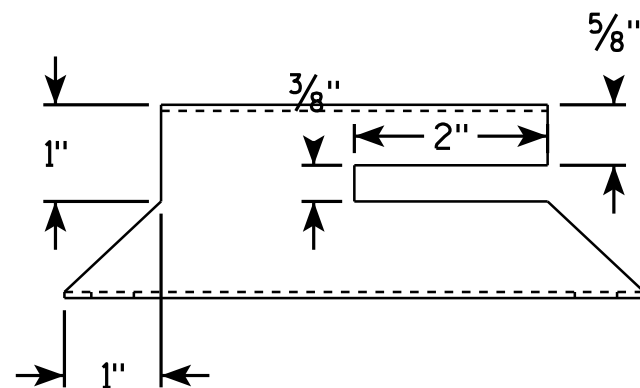
ISOMETRIC VIEW



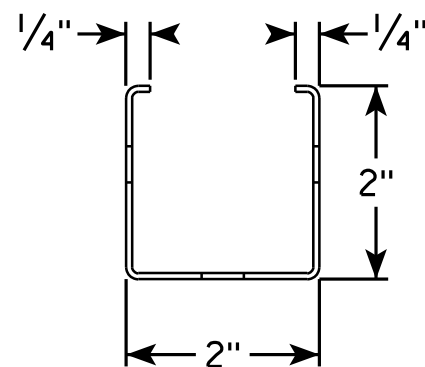
TOP VIEW



SIDE VIEW



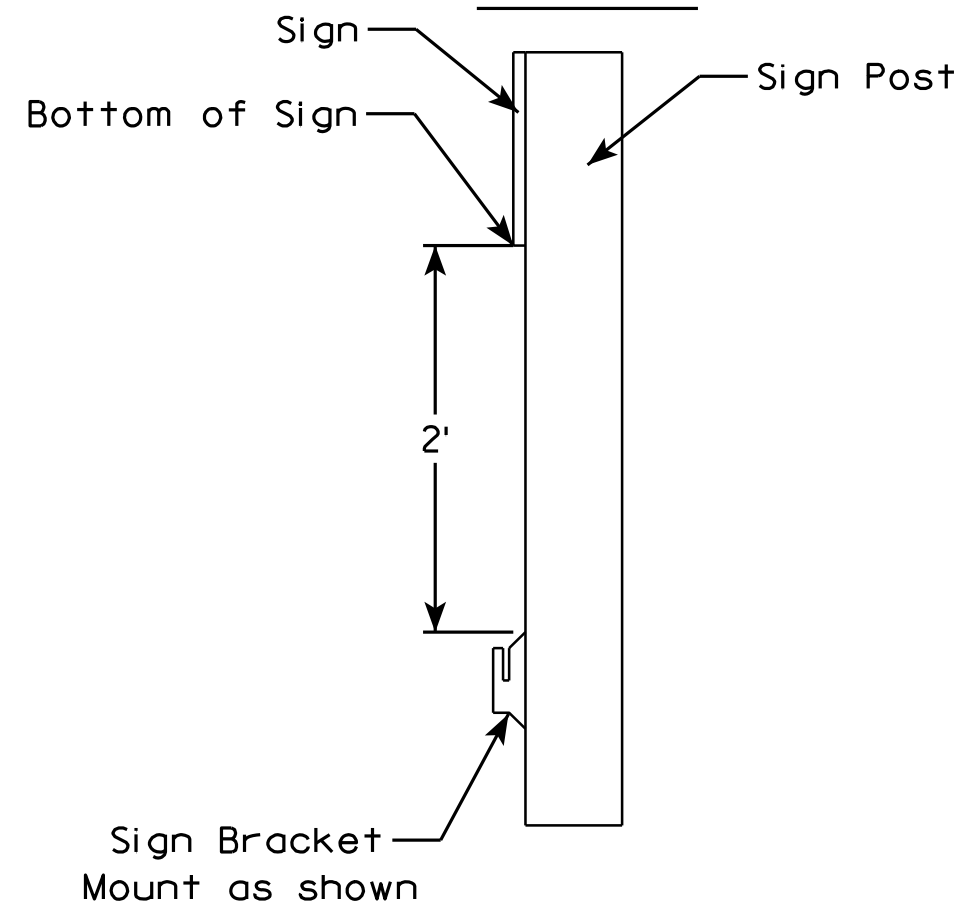
END VIEW



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:

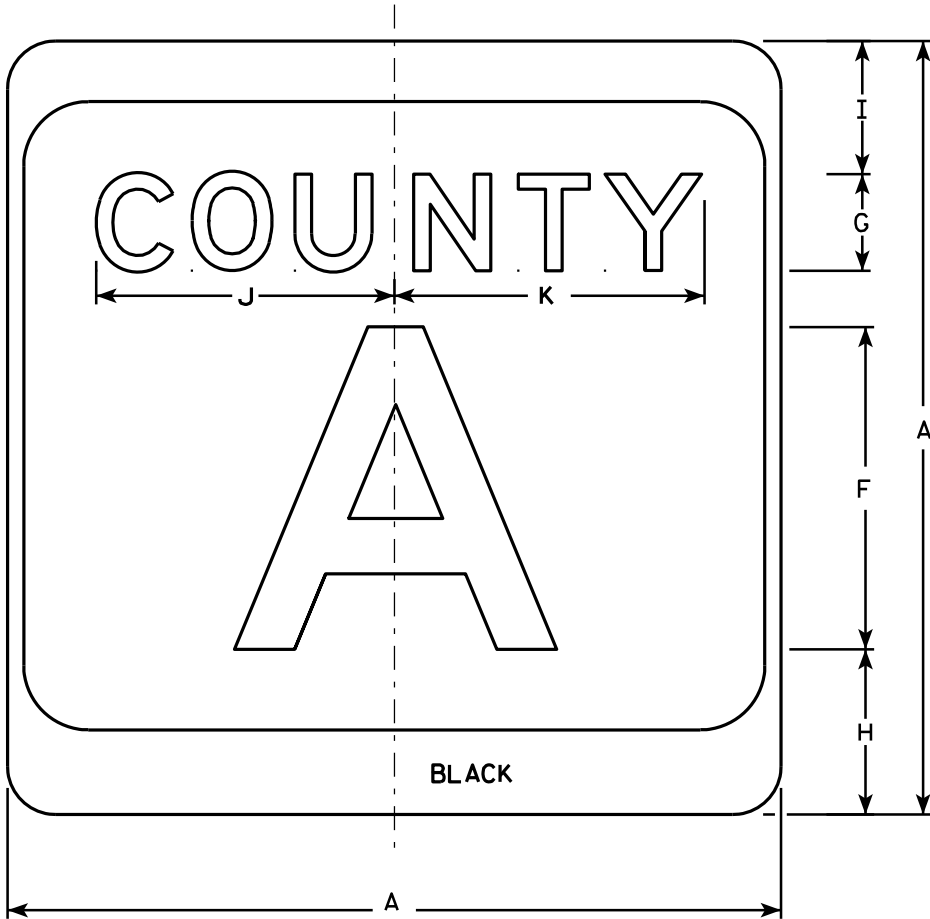
HWY:

COUNTY:

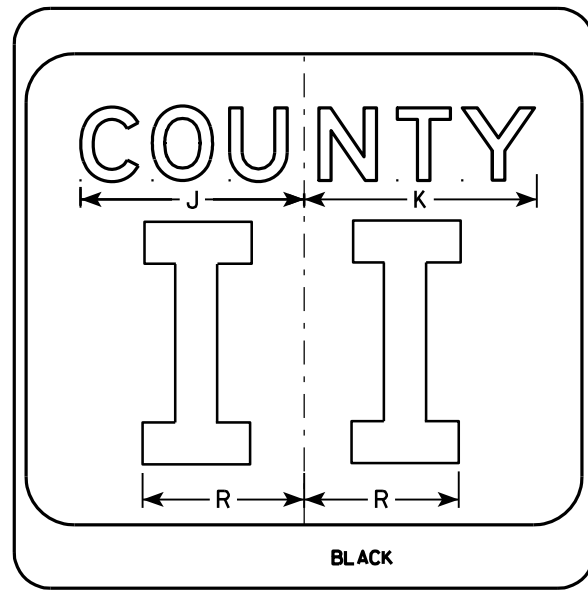
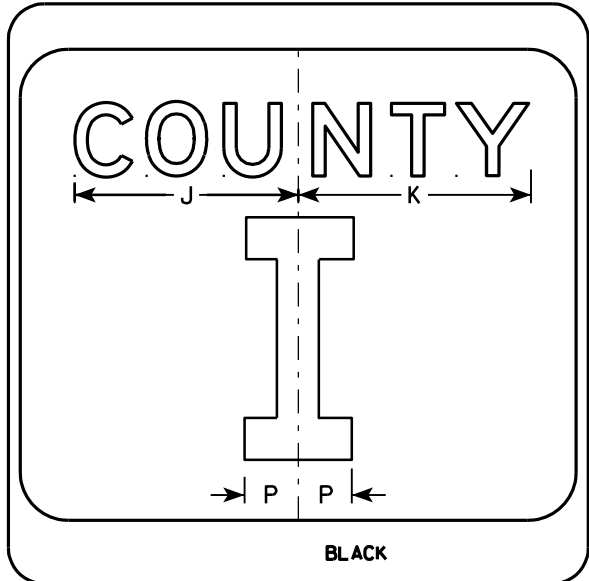
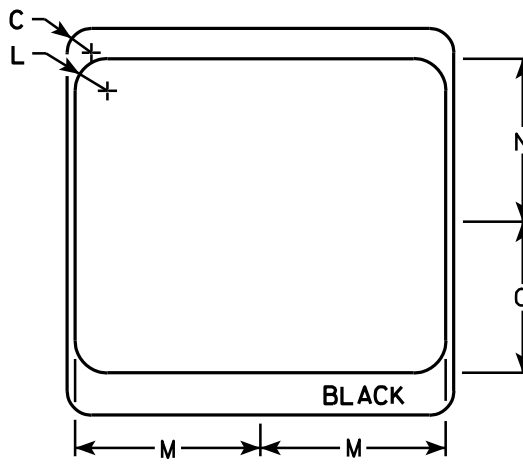
SHEET NO:

E

7



M1-5A



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

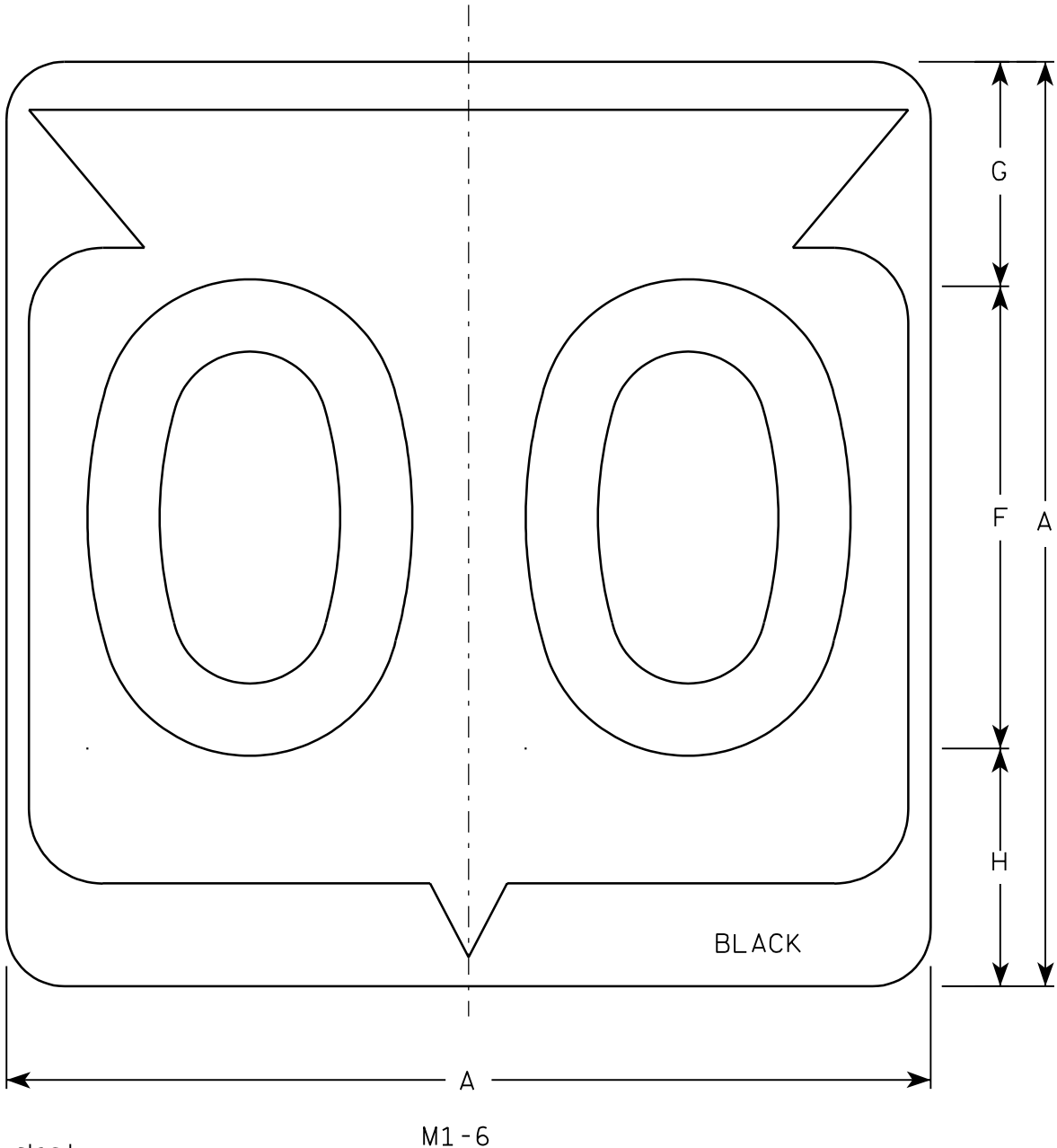
CTH MARKER
M1-5A FOR ASSEMBLIES

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:

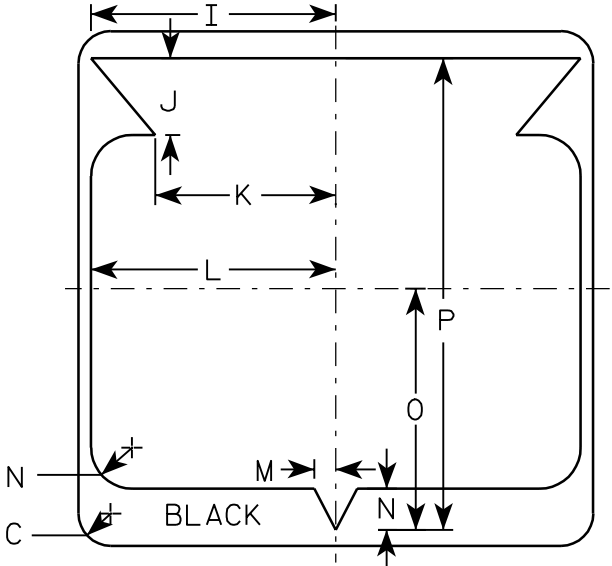
COUNTY:

SHEET NO:

E

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

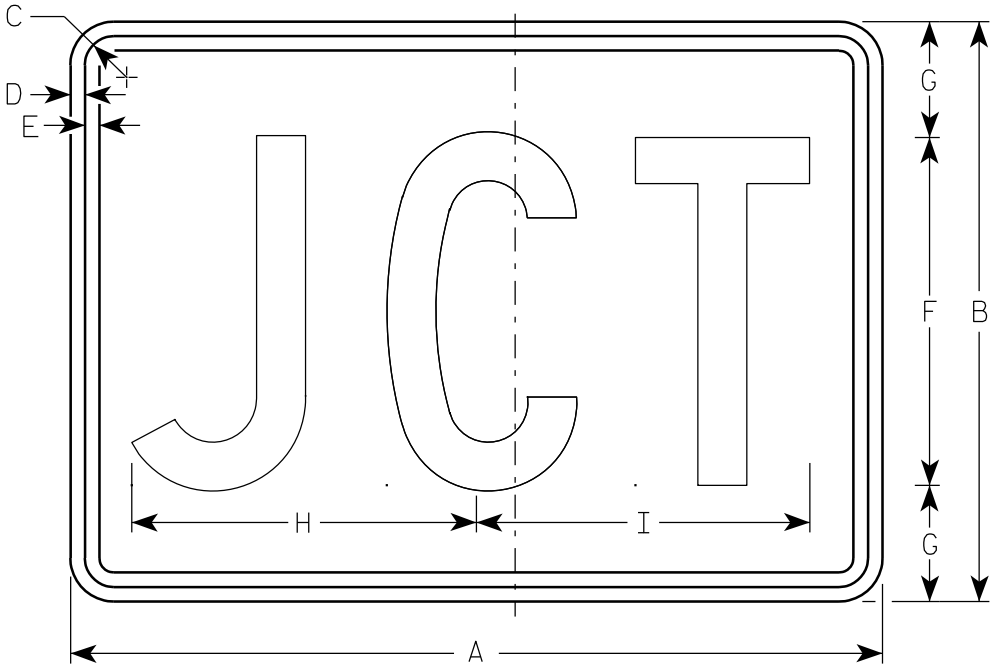
Chester J. Spang
for State Traffic Engineer

DATE 3/20/02

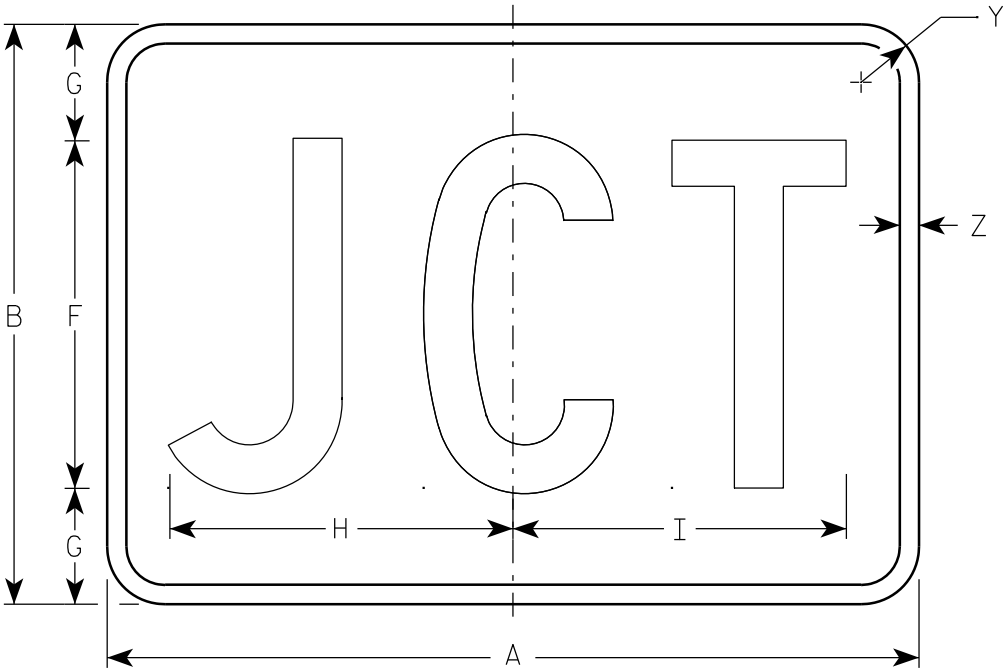
PLATE NO. M1-6.9

NOTES

1. Sign is Type II - See Note 5 - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base
material is plywood but borders shall be rounded
as shown. When base material is metal, the
corners and borders shall be rounded.
5. M2-1 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB2-1 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG2-1 Background - Green
Message - White - Type H Reflective
MK2-1 Background - Green
Message - White - Type H Reflective
MM2-1 Background - White - Type H Reflective
Message - Green
MN2-1 Background - Brown
Message - White - Type H Reflective
MR2-1 Background - Brown
Message - Yellow - Type H Reflective



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 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	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

STANDARD SIGN
M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 3/16/10

PLATE NO. M2-1.10

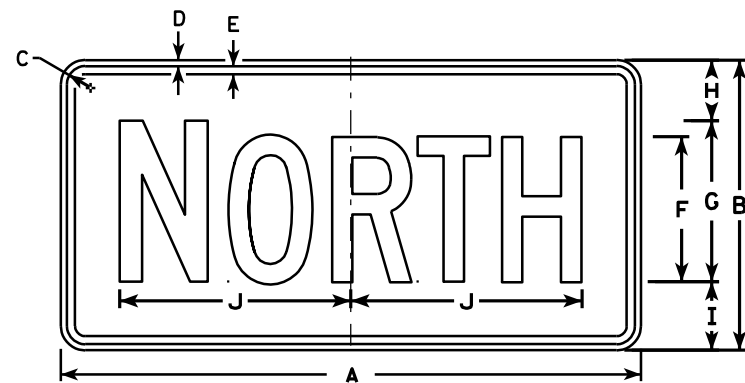
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

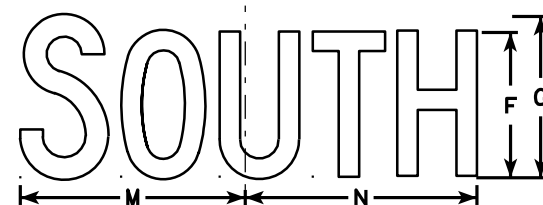
E



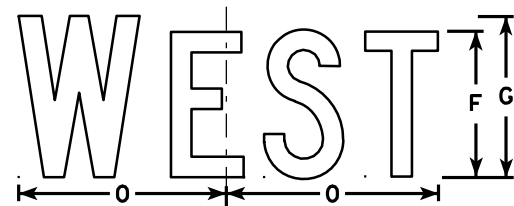
M3-1
MK3-1
M03-1



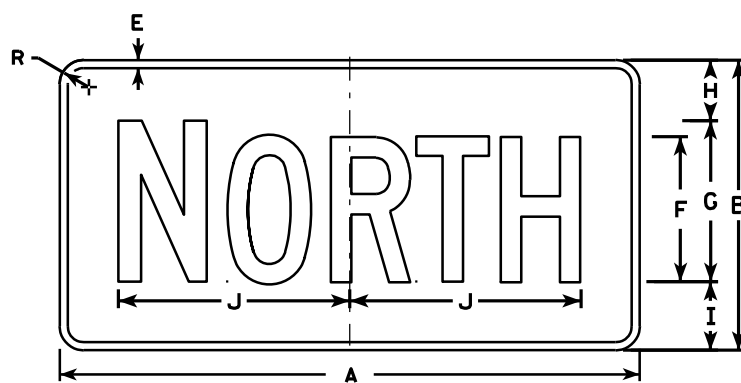
M3-2
MK3-2
M03-2



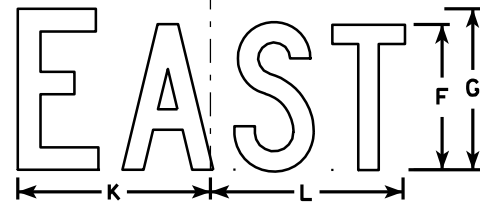
M3-3
MK3-3
M03-3



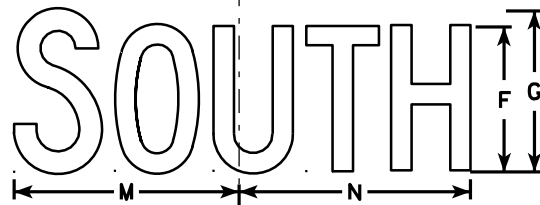
M3-4
MK3-4
M03-4



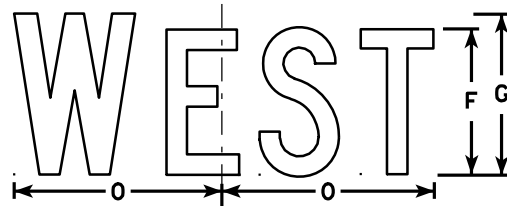
MB3-1
MG3-1
MM3-1
MN3-1



MB3-2
MG3-2
MM3-2
MN3-2



MB3-3
MG3-3
MM3-3
MN3-3



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective (Detour or temporary signs - Reflective)
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White - Type H Reflective (Detour or temporary signs - Reflective)
MG3-1 thru MG3-4 Background - Green
Message - White - Type H Reflective
MK3-1 thru MK3-4 Background - Green
Message - White - Type H Reflective
MM3-1 thru MM3-4 Background - White - Type H Reflective
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White - Type H Reflective
M03-1 thru M03-4 Background - Orange - Reflective
Message - Black
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

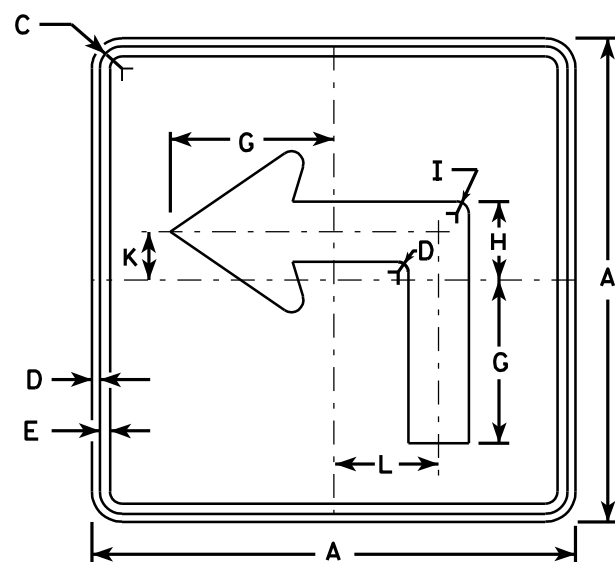
PROJECT NO: HWY: COUNTY: SHEET NO: E

STANDARD SIGNS M3-1 thru M3-4 SERIES

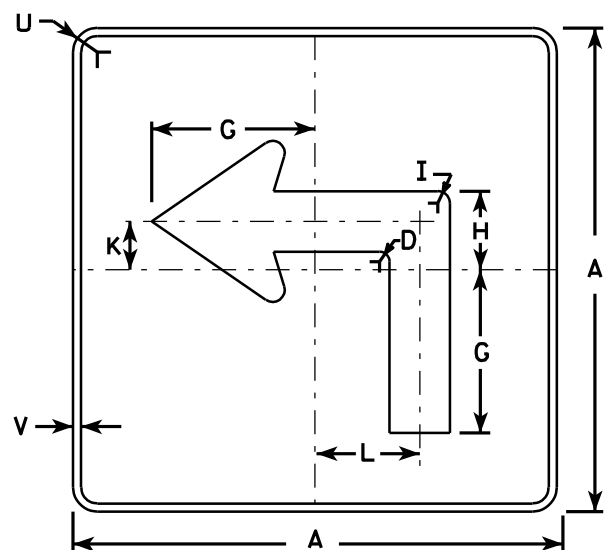
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

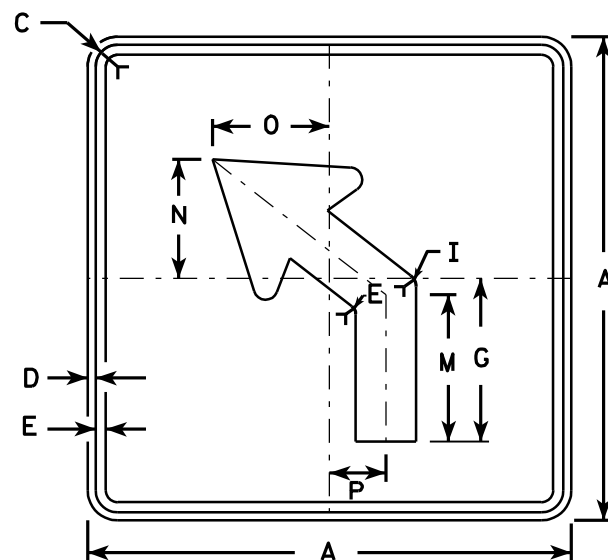
DATE 11/10/10 PLATE NO. M3-1.12



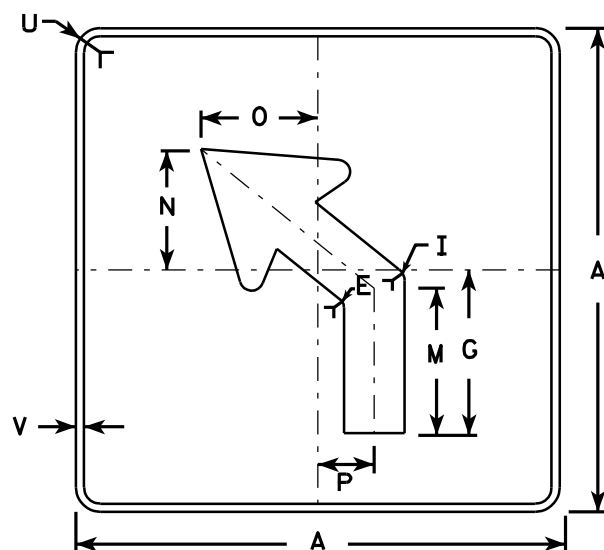
M5-1L
MK5-1L
MM5-1L
M05-1L
MP5-1L
MR5-1L



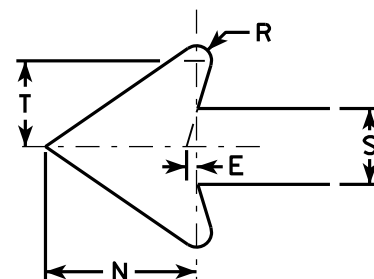
MB5-1L
MG5-1L
MN5-1L



M5-2L
MK5-2L
MM5-2L
M05-2L
MP5-2L
MR5-2L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 4
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. M5-1 and M5-2 Background - White - Type H Reflective
Message - Black
MB5-1 and MB5-2 Background - Blue
Message - White - Type H Reflective
MG5-1 and MG5-2 Background - Green
Message - White - Type H Reflective
MK5-1 and MK5-2 Background - Green
Message - White Type H Reflective
MM5-1 and MM5-2 Background - White - Type H Reflective
Message - Green
MN5-1 and MN5-2 Background - Brown
Message - White - Type H Reflective
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 - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. 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

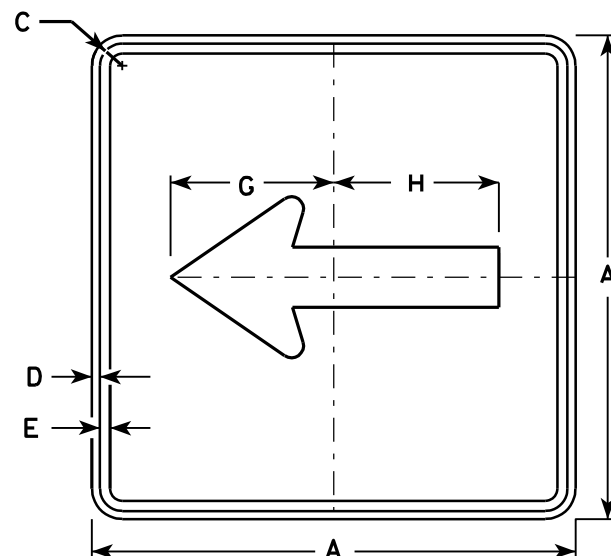
STANDARD SIGN

M5-1 & M5-2

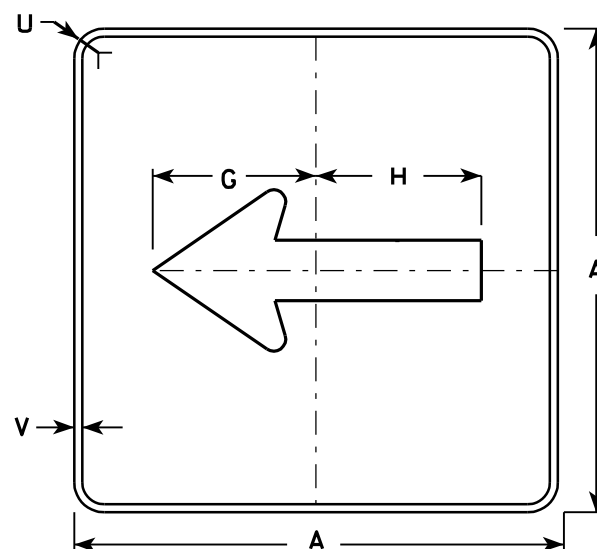
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

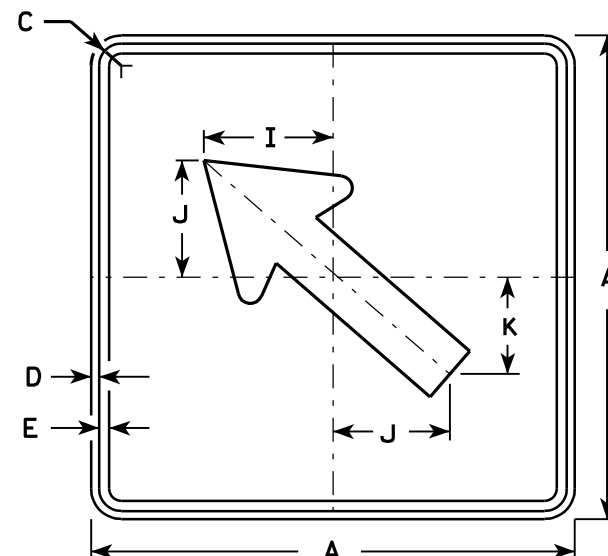
DATE 7/29/13 PLATE NO. M5-1.12



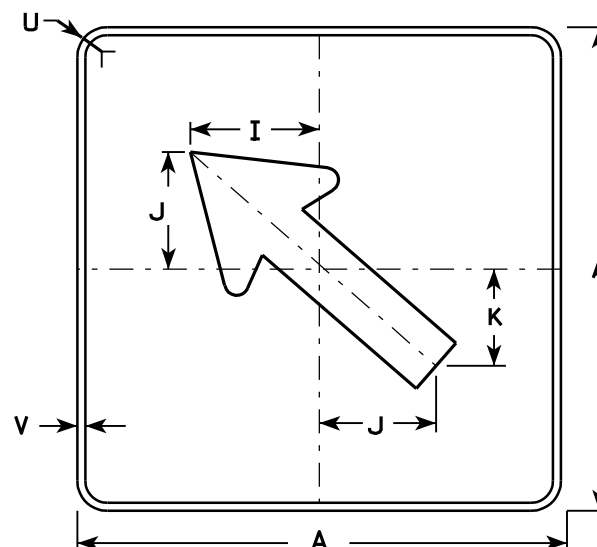
M6-1
MK6-1
MM6-1
MO6-1
MP6-1
MR6-1



MB6-1
MG6-1
MN6-1



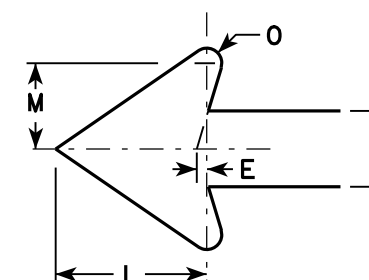
M6-2
MK6-2
MM6-2
MO6-2
MP6-2
MR6-2



MB6-2
MG6-2
MN6-2

NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 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 - Type H Reflective Message - Black
 - MB6-1 and MB6-2 Background - Blue Message - White - Type H Reflective
 - MG6-1 and MG6-2 Background - Green Message - White - Type H Reflective
 - MK6-1 and MK6-2 Background - Green Message - White - Type H Reflective
 - MM6-1 and MM6-2 Background - White - Type H Reflective Message - Green
 - MN6-1 and MN6-2 Background - Brown Message - White - Type H Reflective
 - MO6-1 and MO6-2 Background - Orange - Type F Reflective Message - Black
 - MP6-1 and MP6-2 Background - White - Type H Reflective Message - Blue
 - MR6-1 and MR6-2 Background - Brown Message - Yellow - Type H 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	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

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-1.13

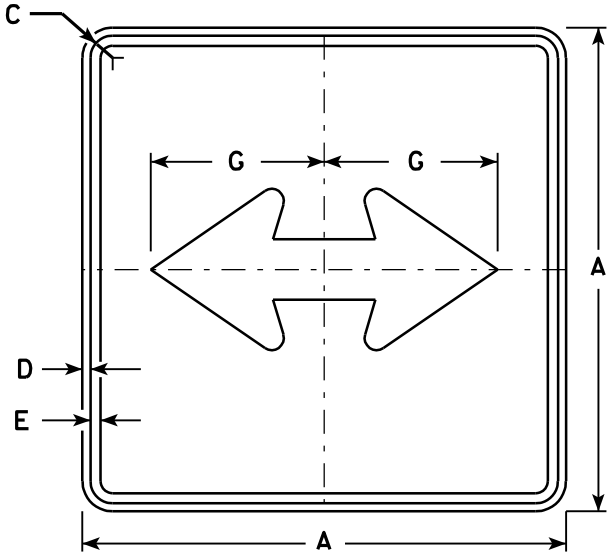
PROJECT NO:

HWY:

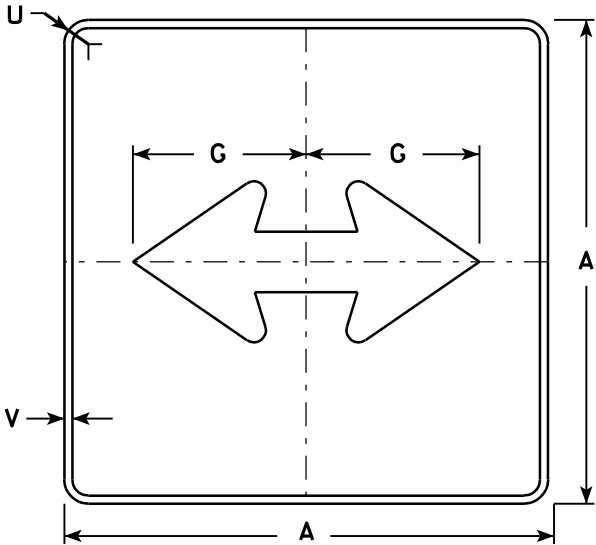
COUNTY:

SHEET NO:

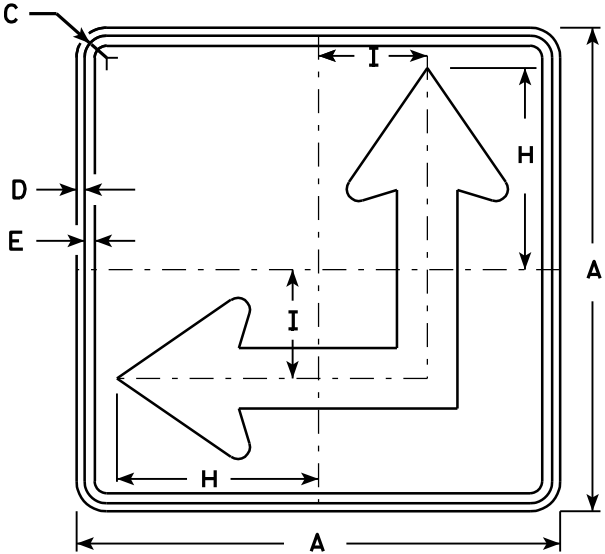
E



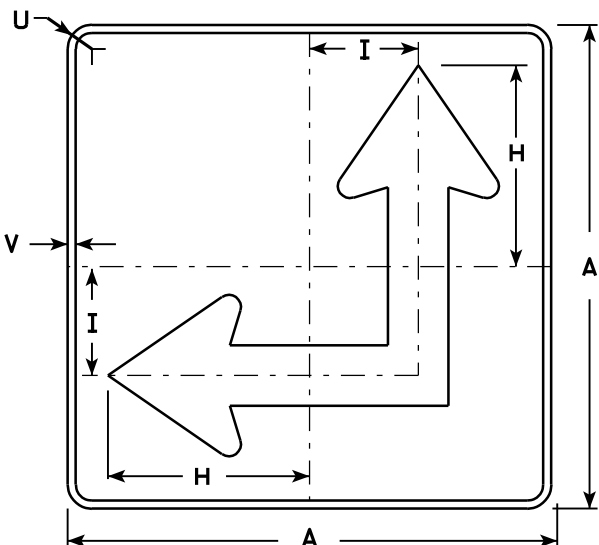
M6 - 4
MK6 - 4
MM6 - 4
MO6 - 4
MP6 - 4
MR6 - 4



MB6 - 4
MG6 - 4
MN6 - 4

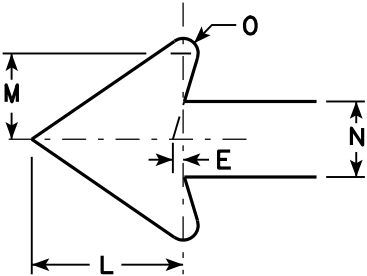


M6 - 6
MK6 - 6
MM6 - 6
MO6 - 6
MP6 - 6
MR6 - 6



MB6 - 6
MG6 - 6
MN6 - 6

- NOTES**
- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 - 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 - Type H Reflective
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White - Type H Reflective
MG6-4 and MG6-6 Background - Green
Message - White - Type H Reflective
MK6-4 and MK6-6 Background - Green
Message - White - Type H Reflective
MM6-4 and MM6-6 Background - White - Type H Reflective
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White - Type H Reflective
MO6-4 and MO6-6 Background - Orange - Type F Reflective
Message - Black
MP6-4 and MP6-6 Background - White - Type H Reflective
Message - Blue
MR6-4 and MR6-6 Background - Brown
Message - Yellow - Type H Reflective
 - 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:

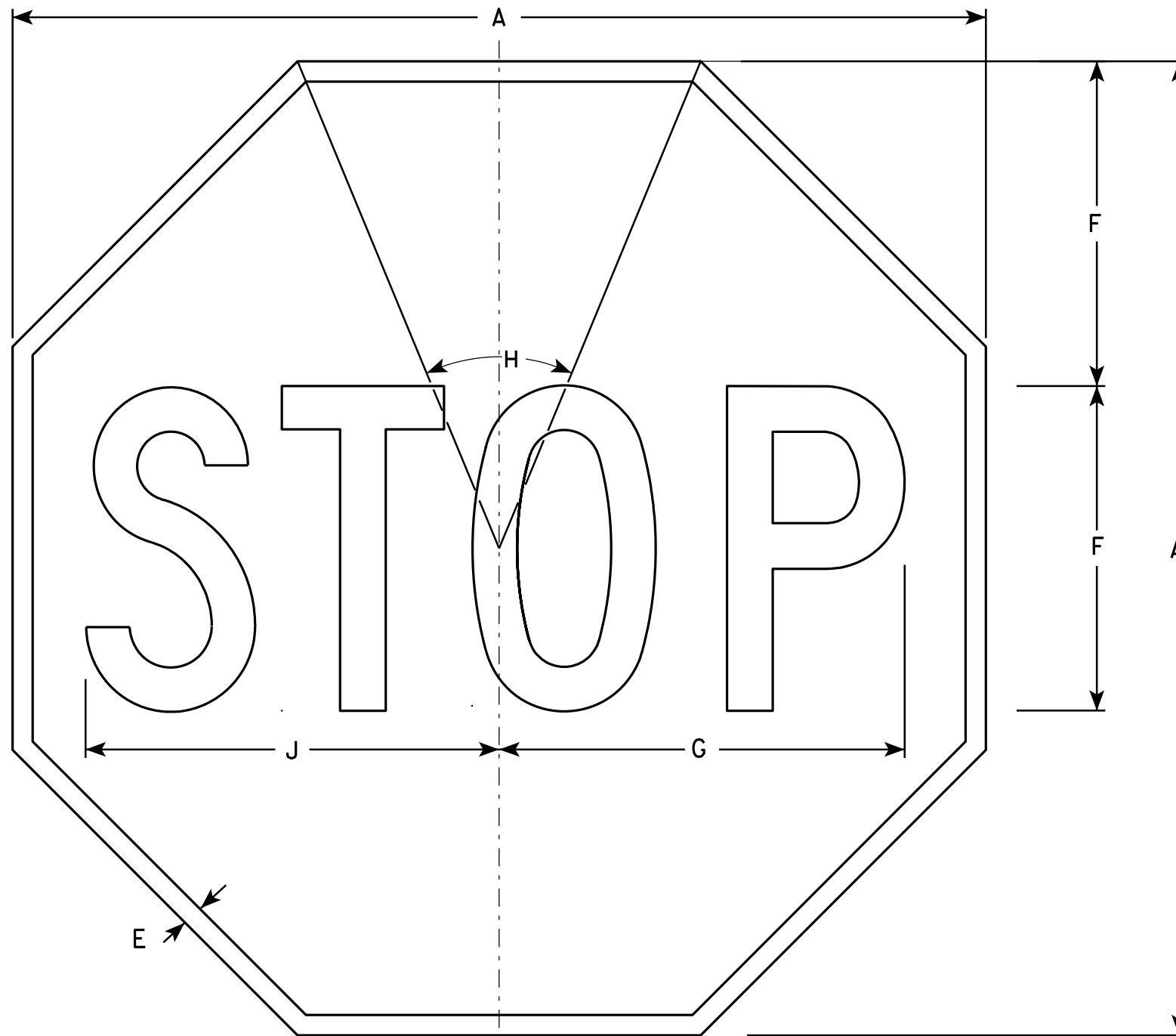
E

STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-4.8



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

R1-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
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 12/03/10 PLATE NO. R1-1.12

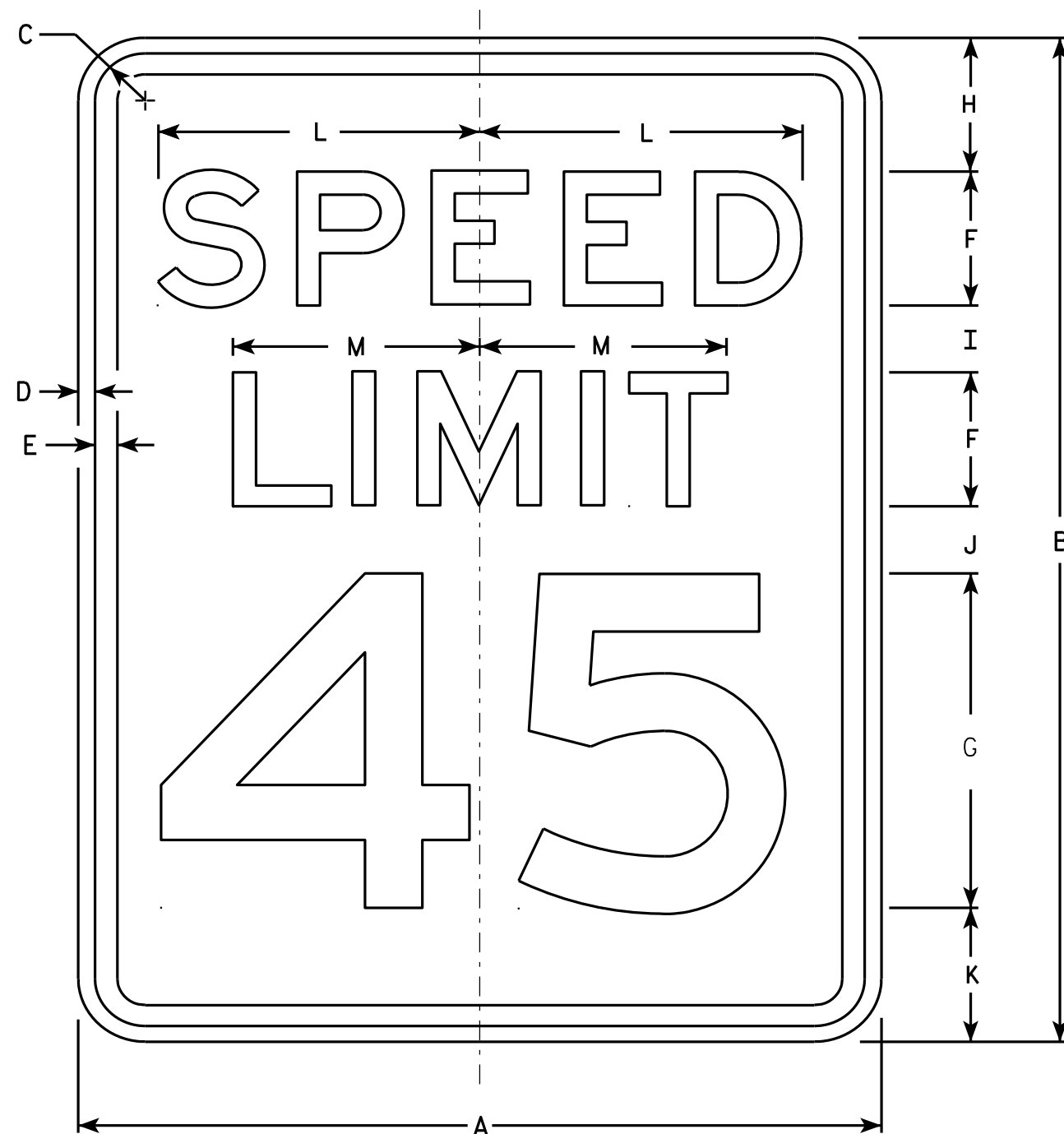
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



R2-1

NOTES

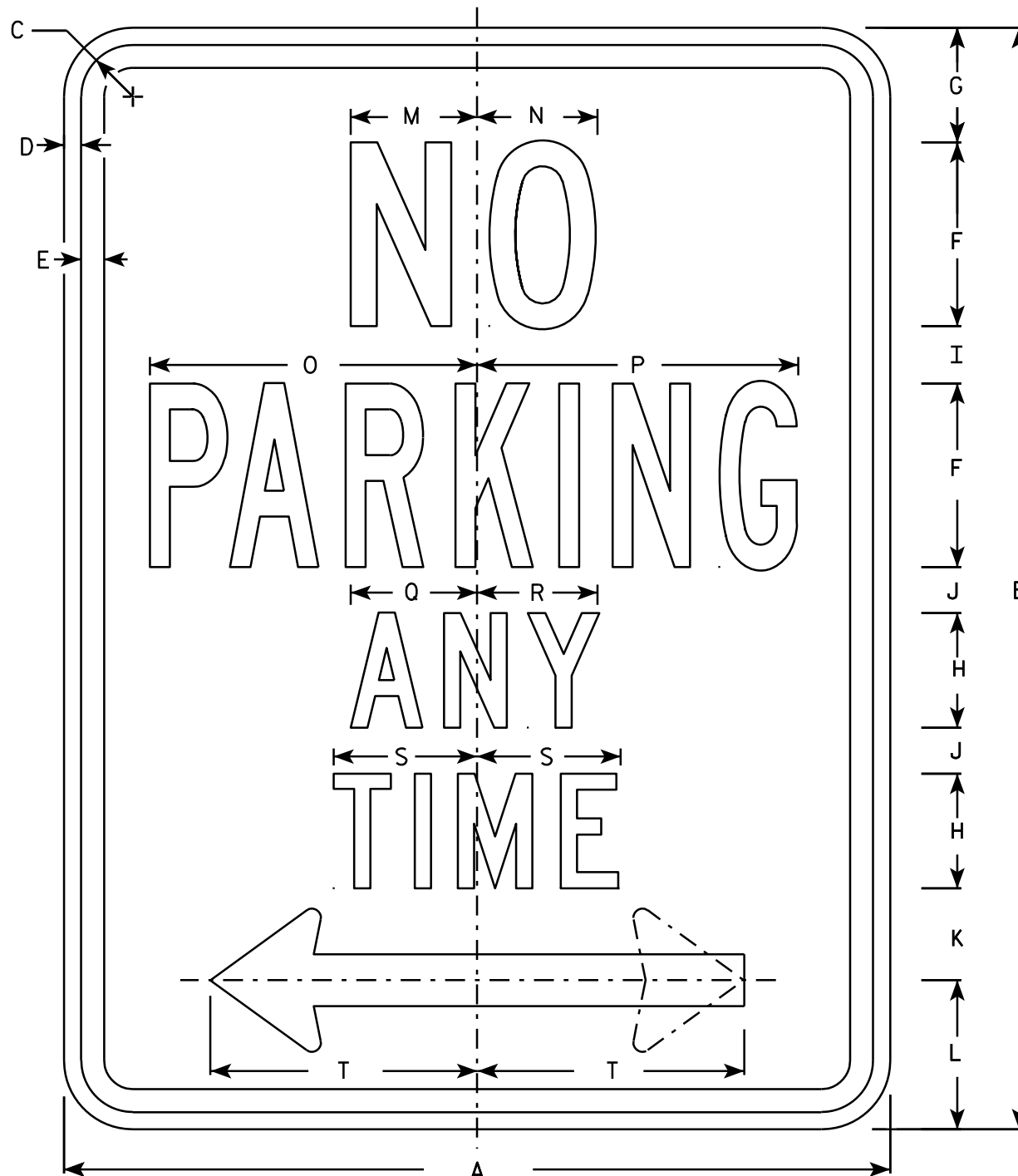
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as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

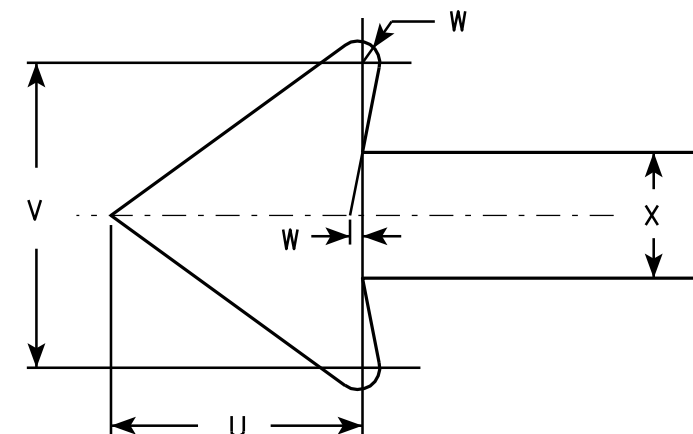
PROJECT NO: HWY: COUNTY: SHEET NO: E



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)



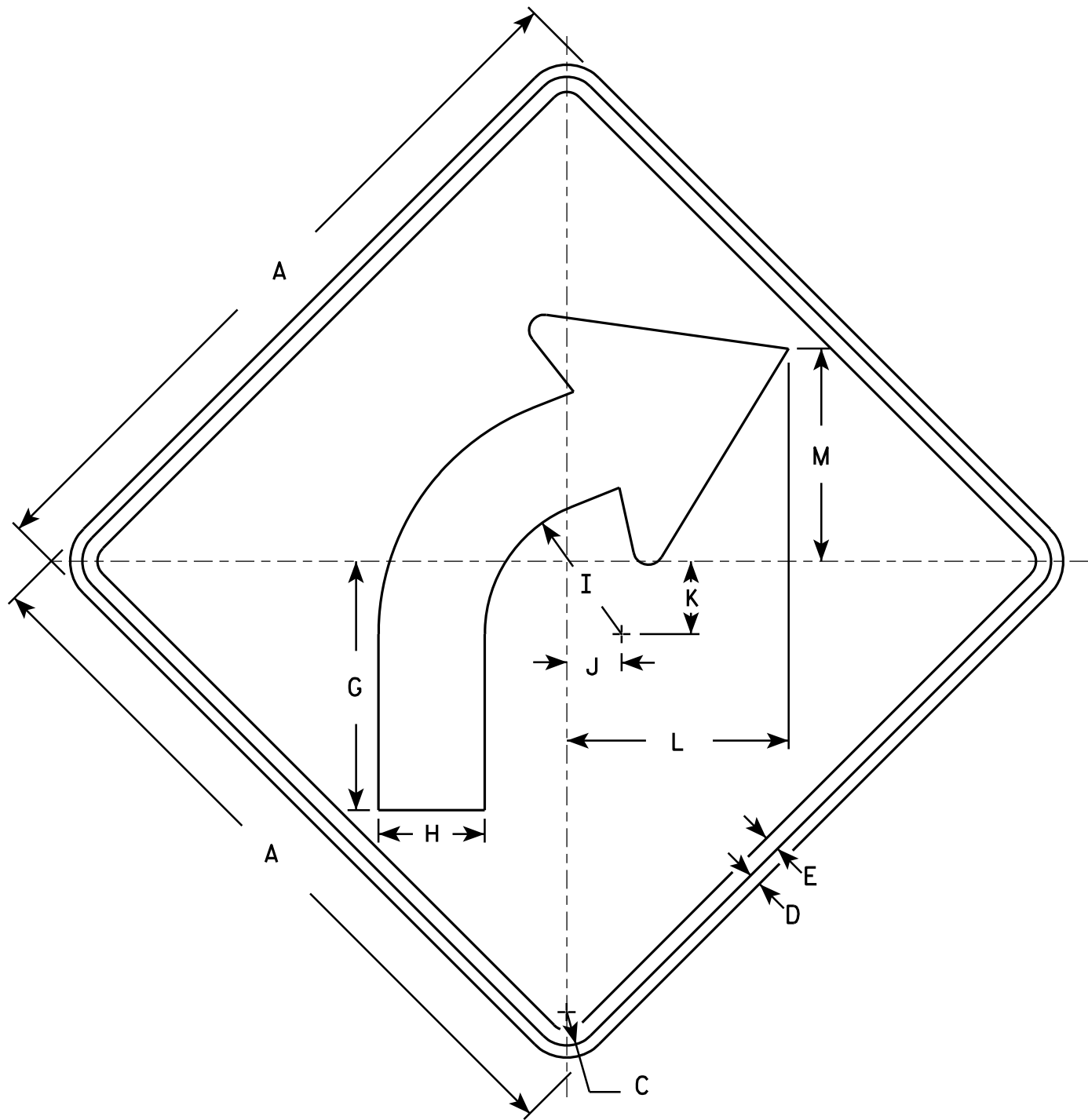
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4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

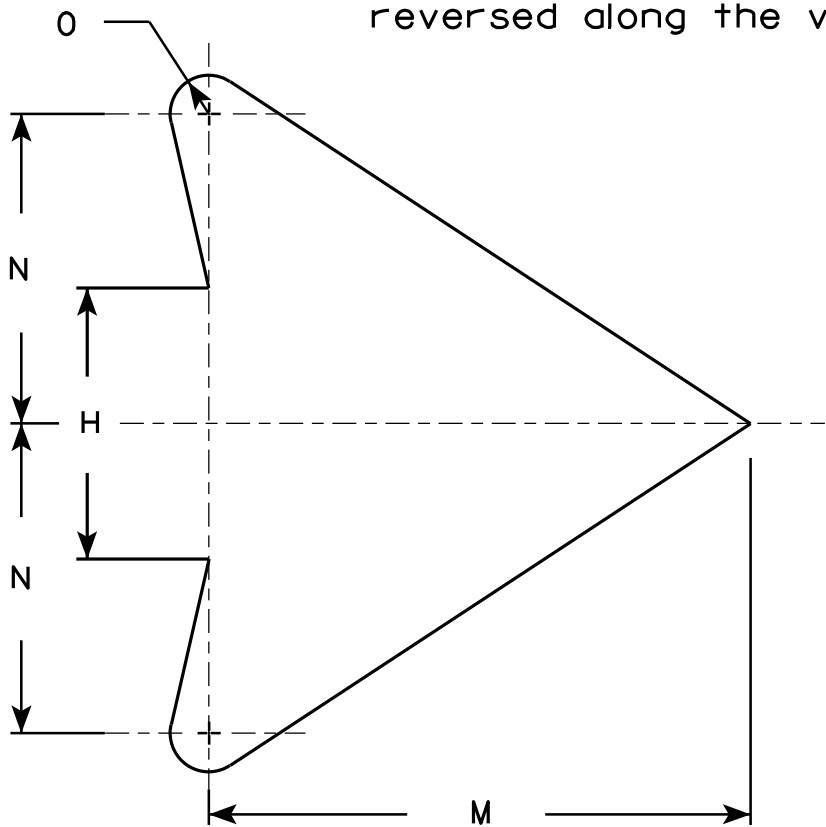
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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NOTES

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

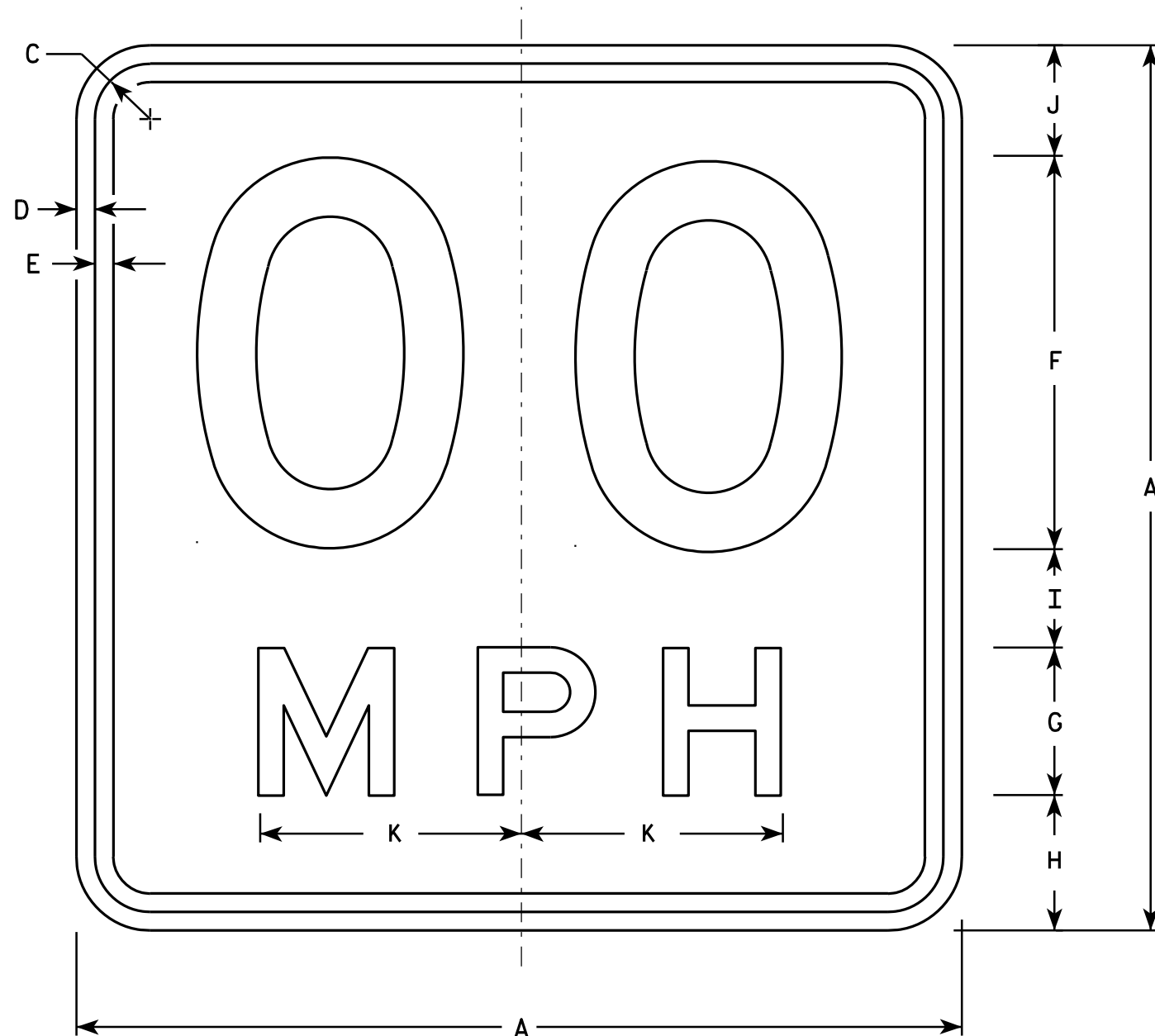
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	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. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
Line 2 is Series E

W13-1

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

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

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

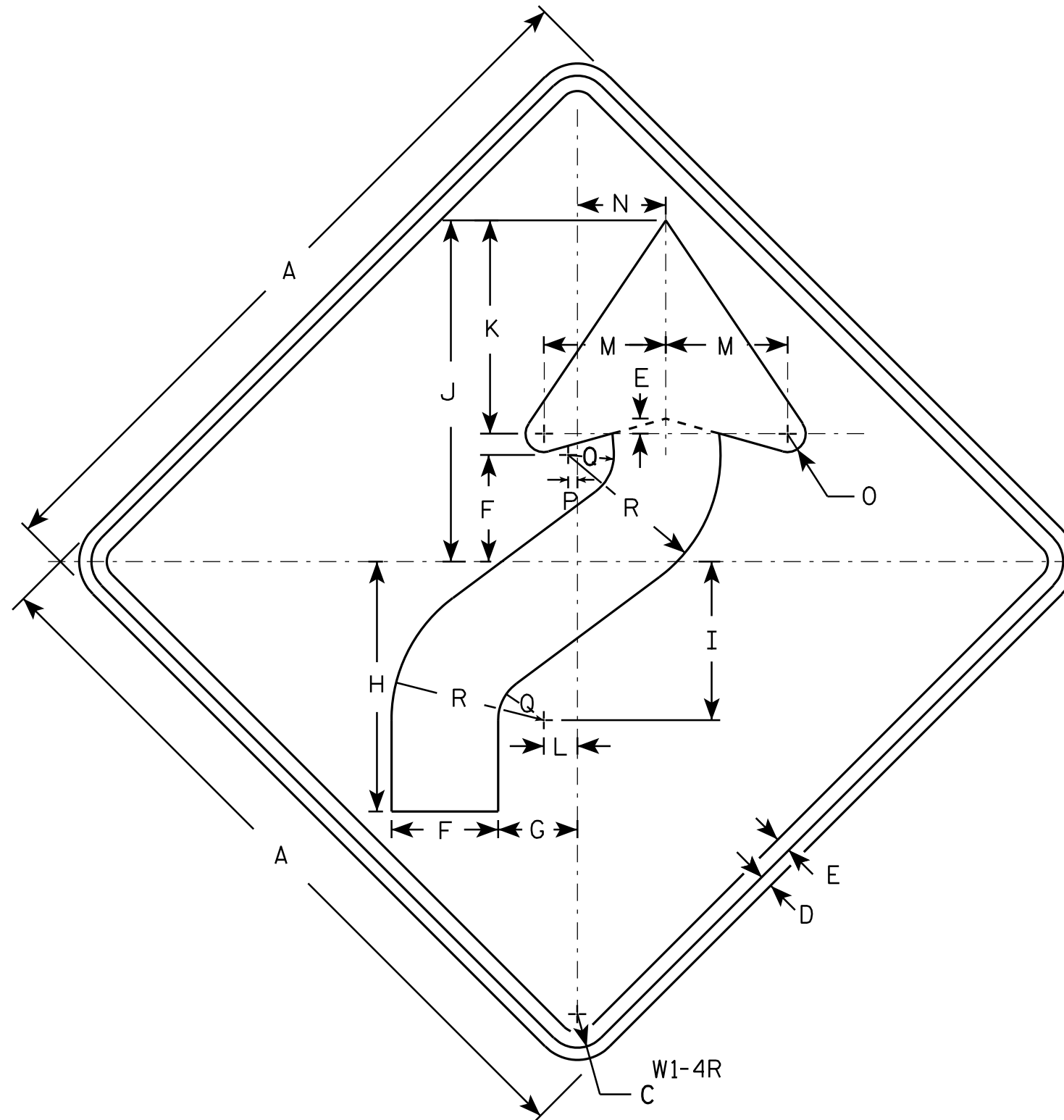
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Yellow
Message - Black
- 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.
- W1-4L is the same as W1-4R 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	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN W1 - 4

WISCONSIN DEPT OF TRANSPORTATION

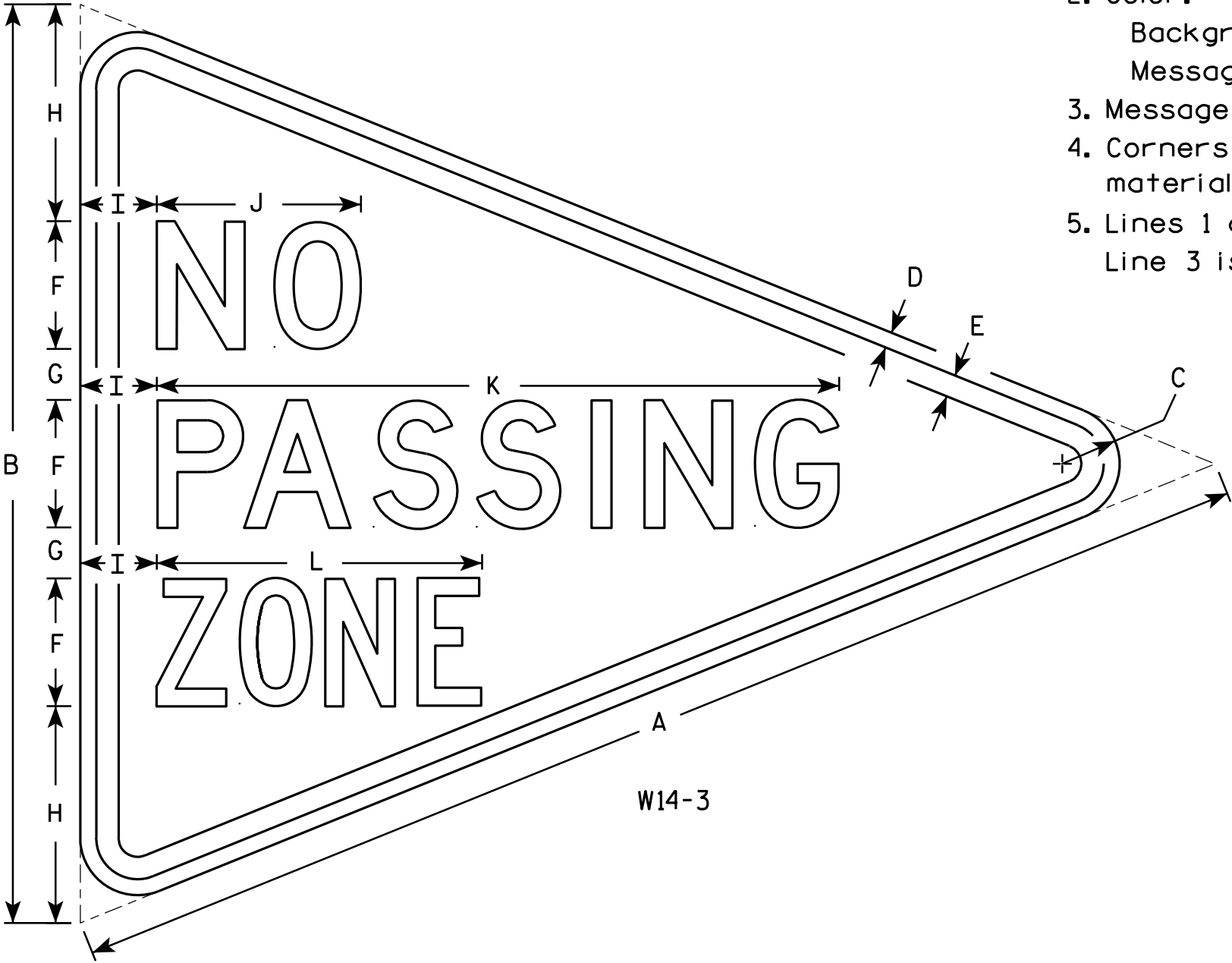
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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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

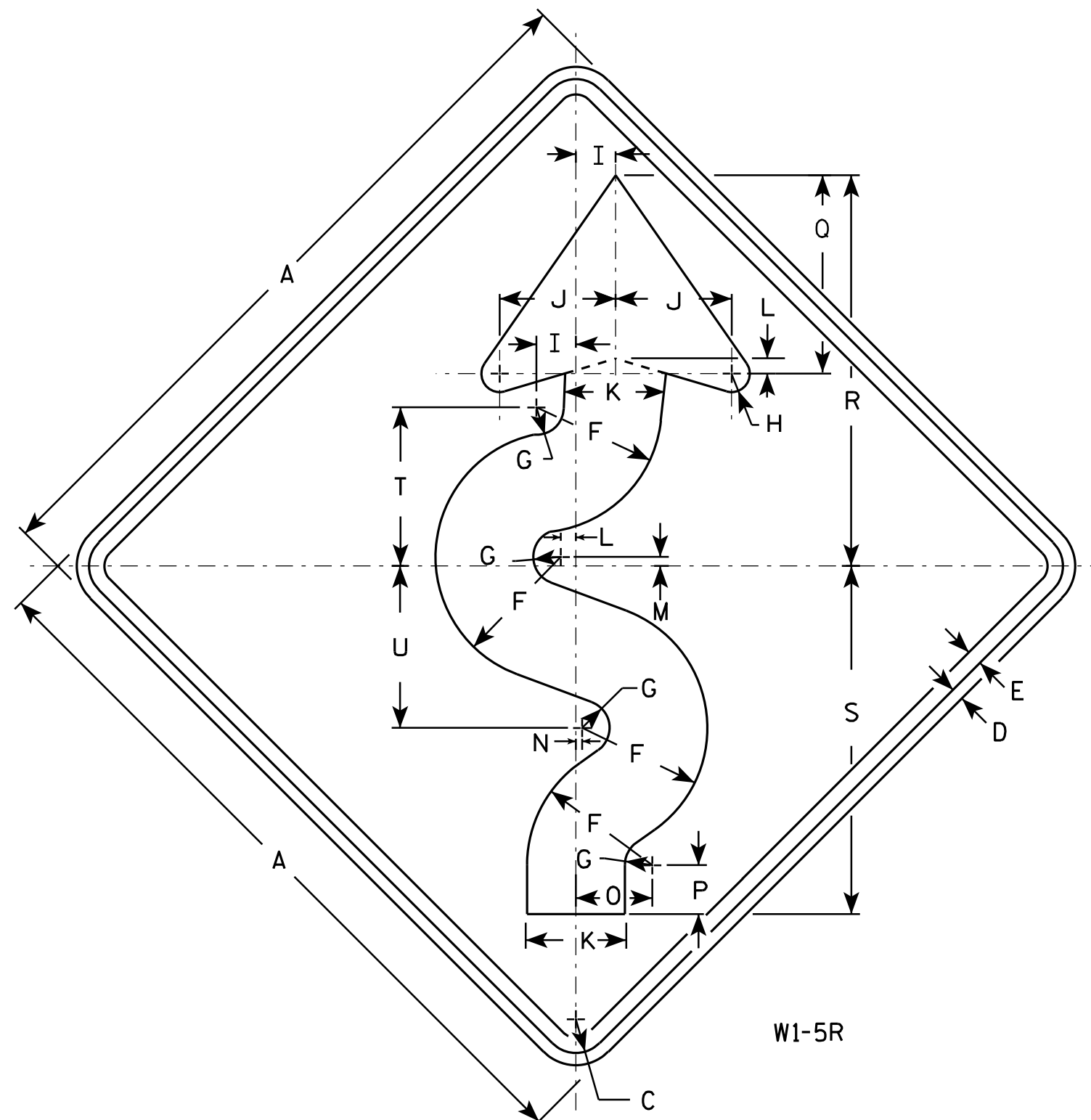
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															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 - 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. W1-5L is the same as W1-5R except the arrow is reversed along the vertical centerline.

W1-5R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4 1/8	7/8	5/8	1 1/4	3 3/4	3 1/4	1/2	1/4	1/8	2 1/2	1 5/8	6 1/2	12 3/4	11 3/8	5 1/4	5 1/4						4.0
2S	30		1 3/8	1/2	5/8	5 1/8	1 1/8	3/4	1 5/8	4 3/4	4 1/8	5/8	3/8	1/4	3 1/8	2	8 1/8	16	14 1/4	6 1/2	6 5/8						6.25
2M	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
3	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
4	36		1 5/8	5/8	3/4	6 1/4	1 3/8	1	1 7/8	5 5/8	4 7/8	3/4	3/8	1/4	3 3/4	2 7/8	9 3/4	19 1/8	17 1/8	7 3/4	7 7/8						9.0
5	48		2 1/4	3/4	1	8 1/4	1 3/4	1 1/4	2 1/2	7 1/2	6 1/2	1	1/2	3/8	5	3 1/4	13	25 1/2	22 3/4	10 3/8	10 1/2						16.0

STANDARD SIGN W1-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 5/18/12

PLATE NO. W1-5.8

PROJECT NO:

HWY:

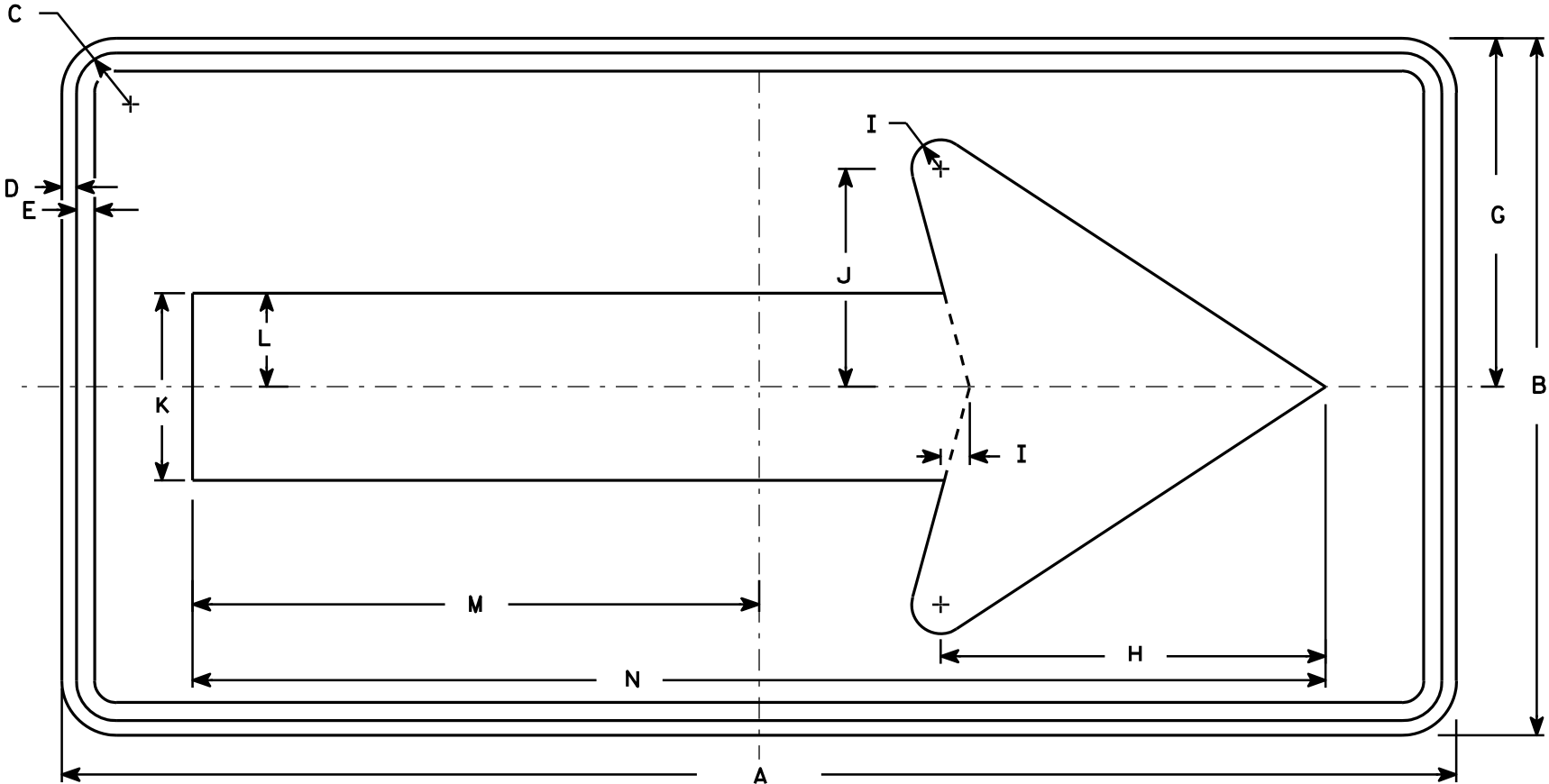
COUNTY:

SHEET NO:

E

NOTES

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



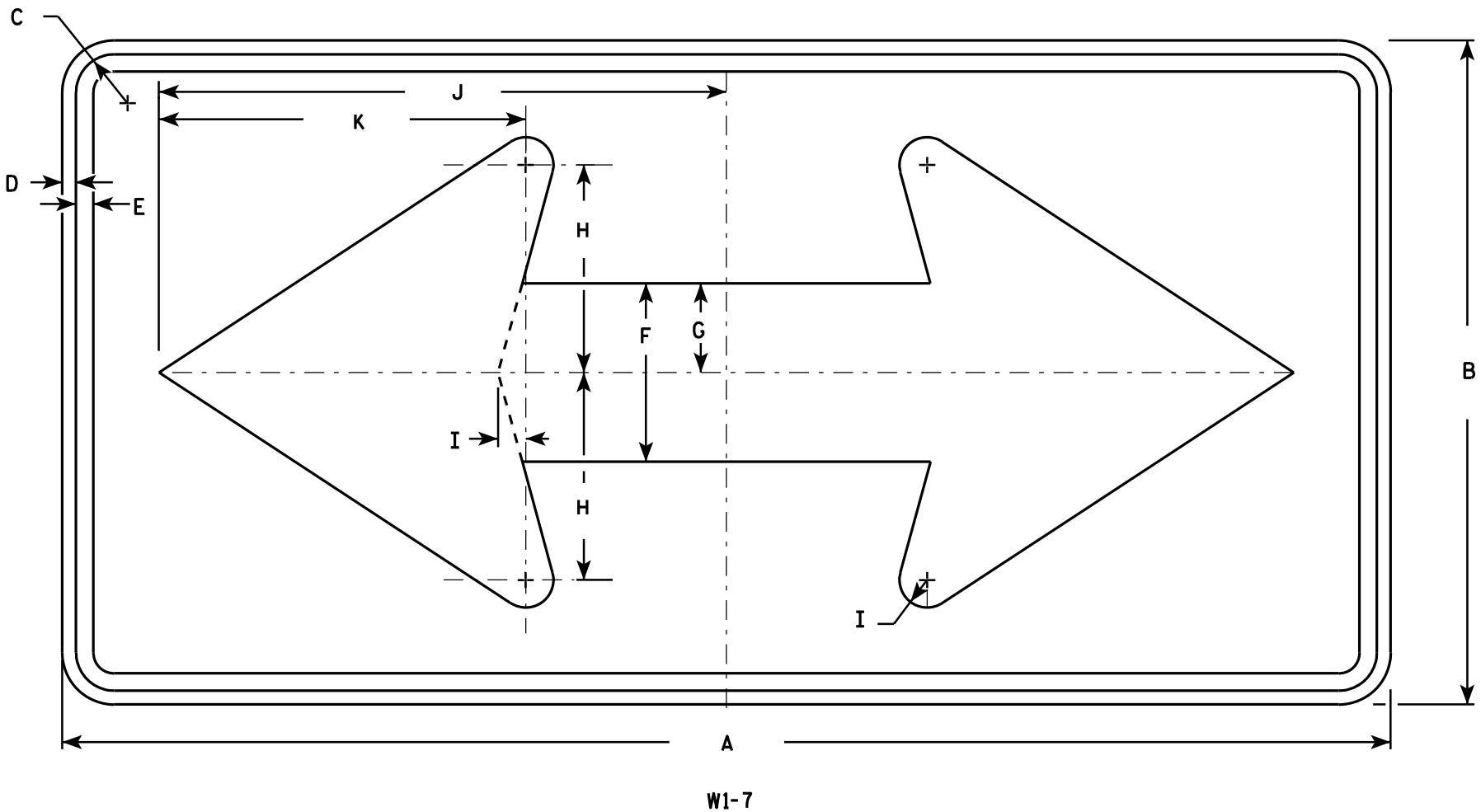
W1-6

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



NOTES

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

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

STANDARD SIGN
W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

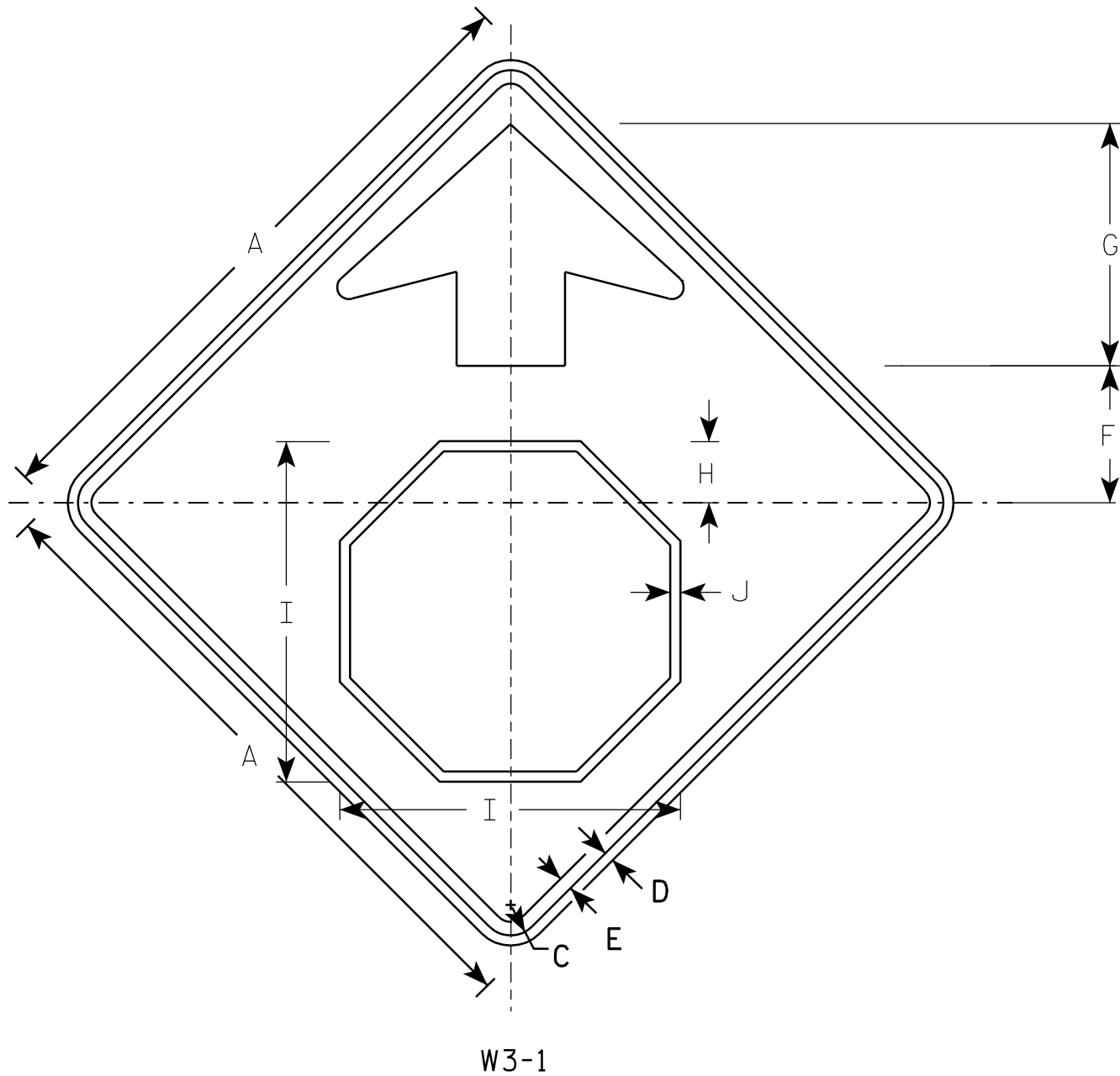
PROJECT NO:

HWY:

COUNTY:

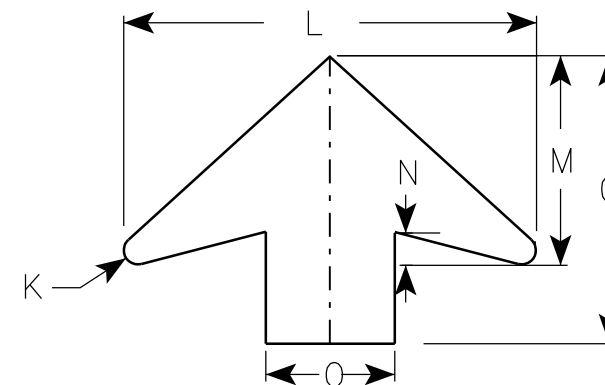
SHEET NO:

E



NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - YELLOW
Arrow & Border - BLACK
Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

PROJECT NO:

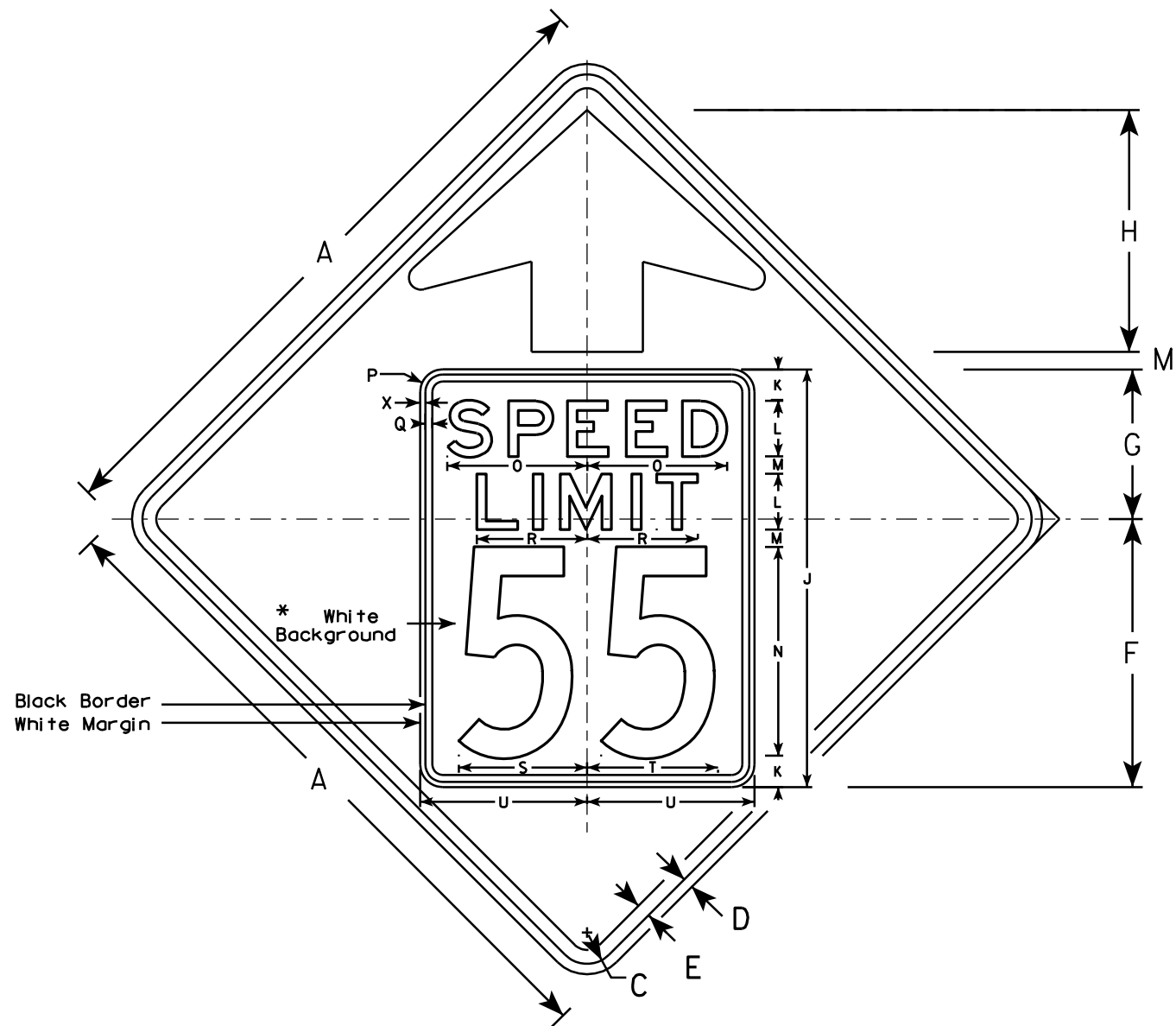
STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:

E

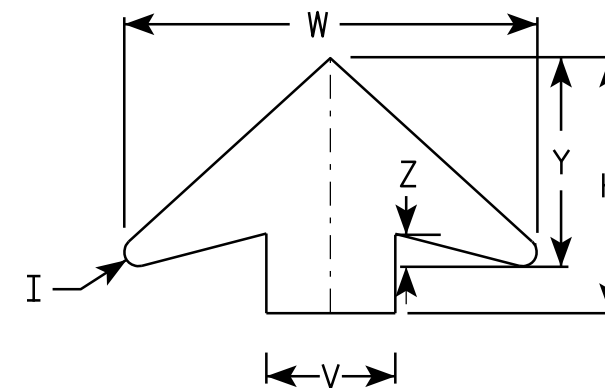


W3-5

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

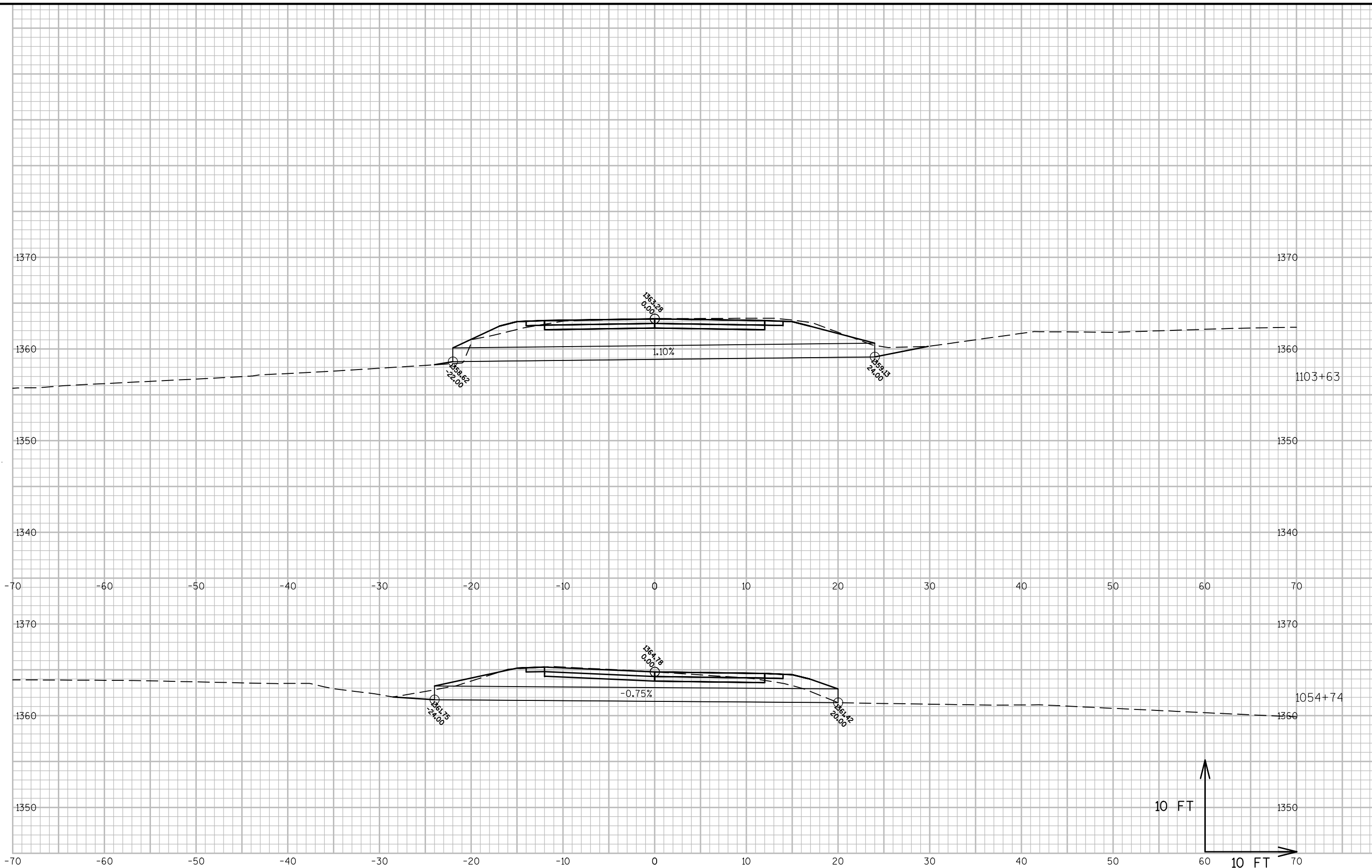
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

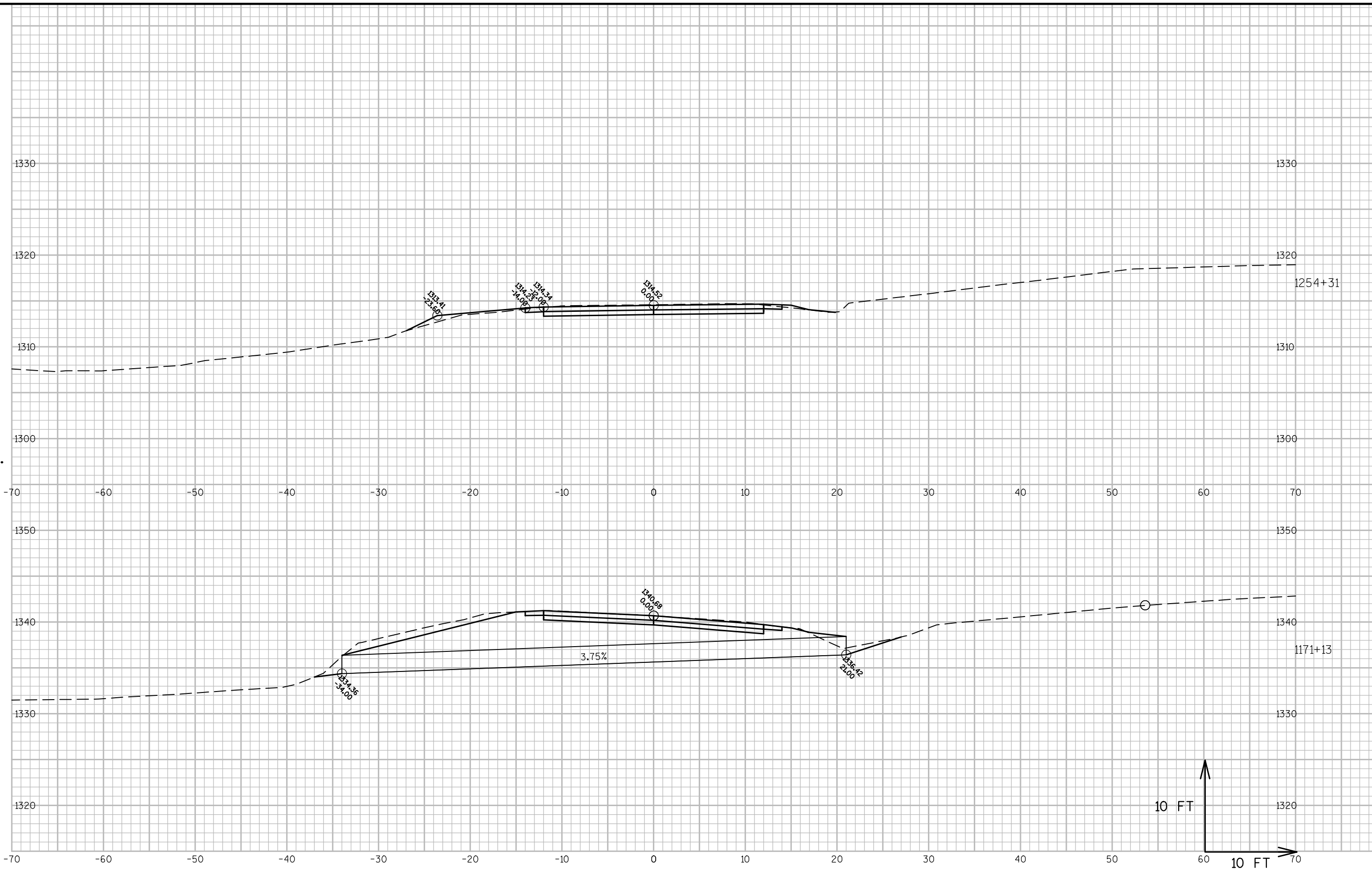
SHEET NO:

E

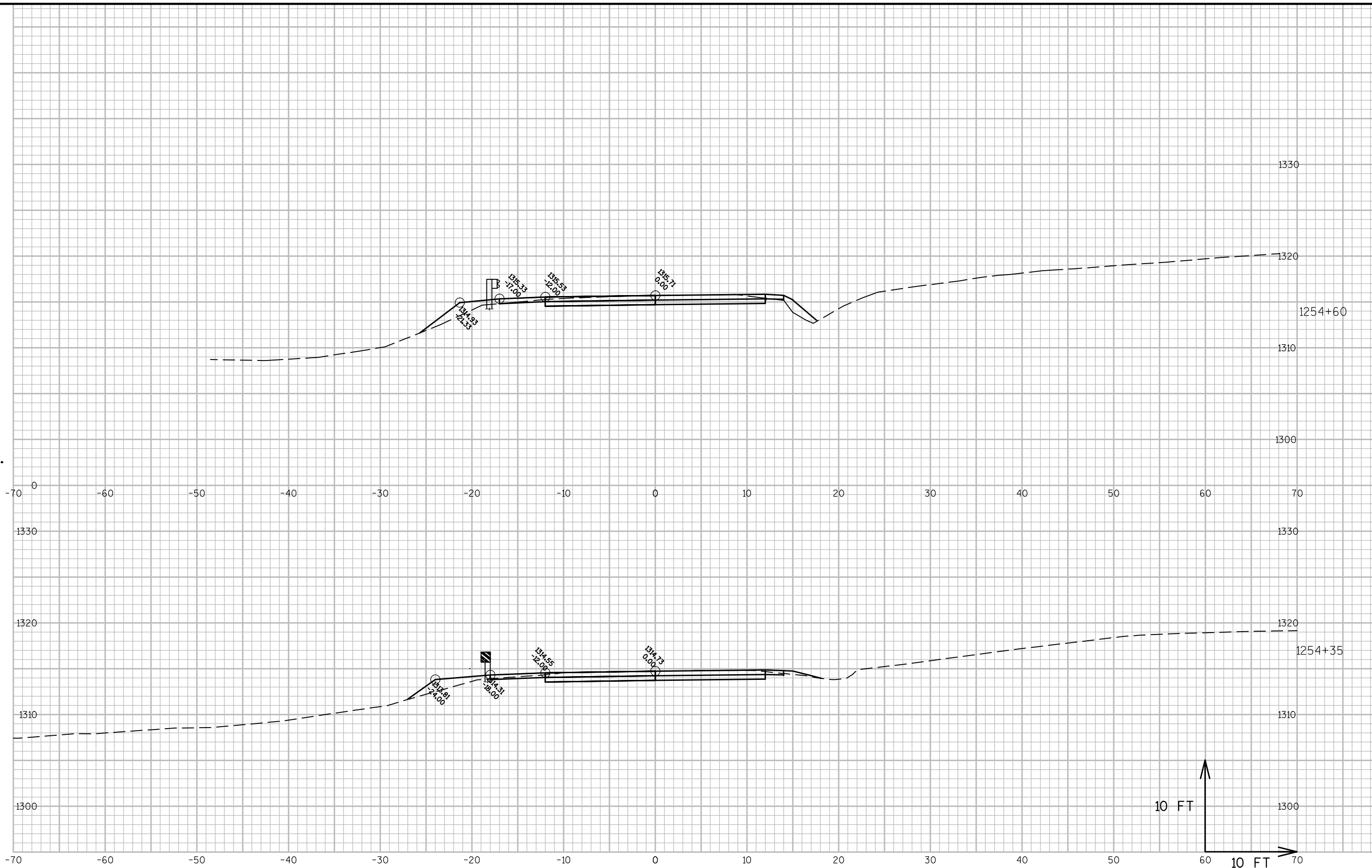


9

9

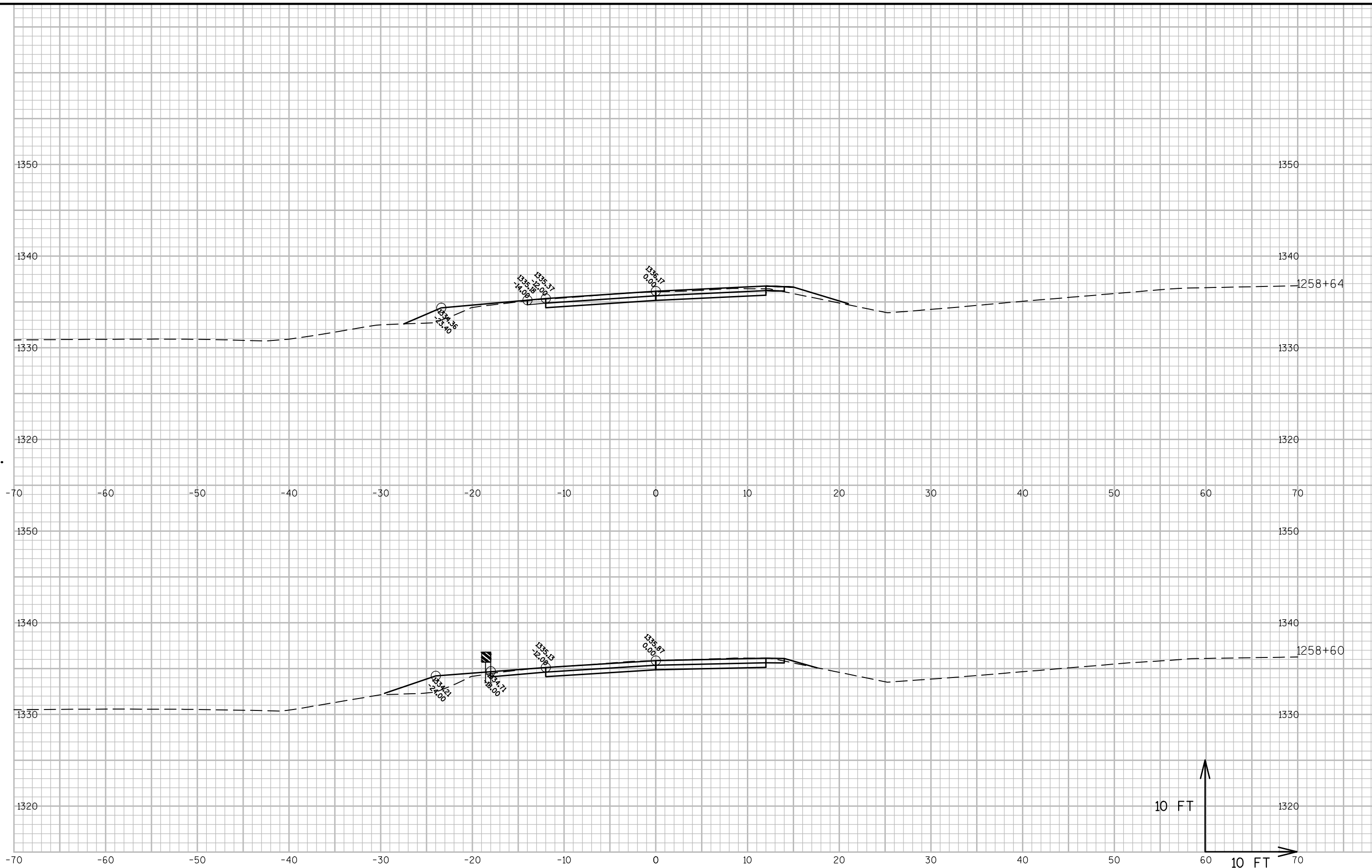


9



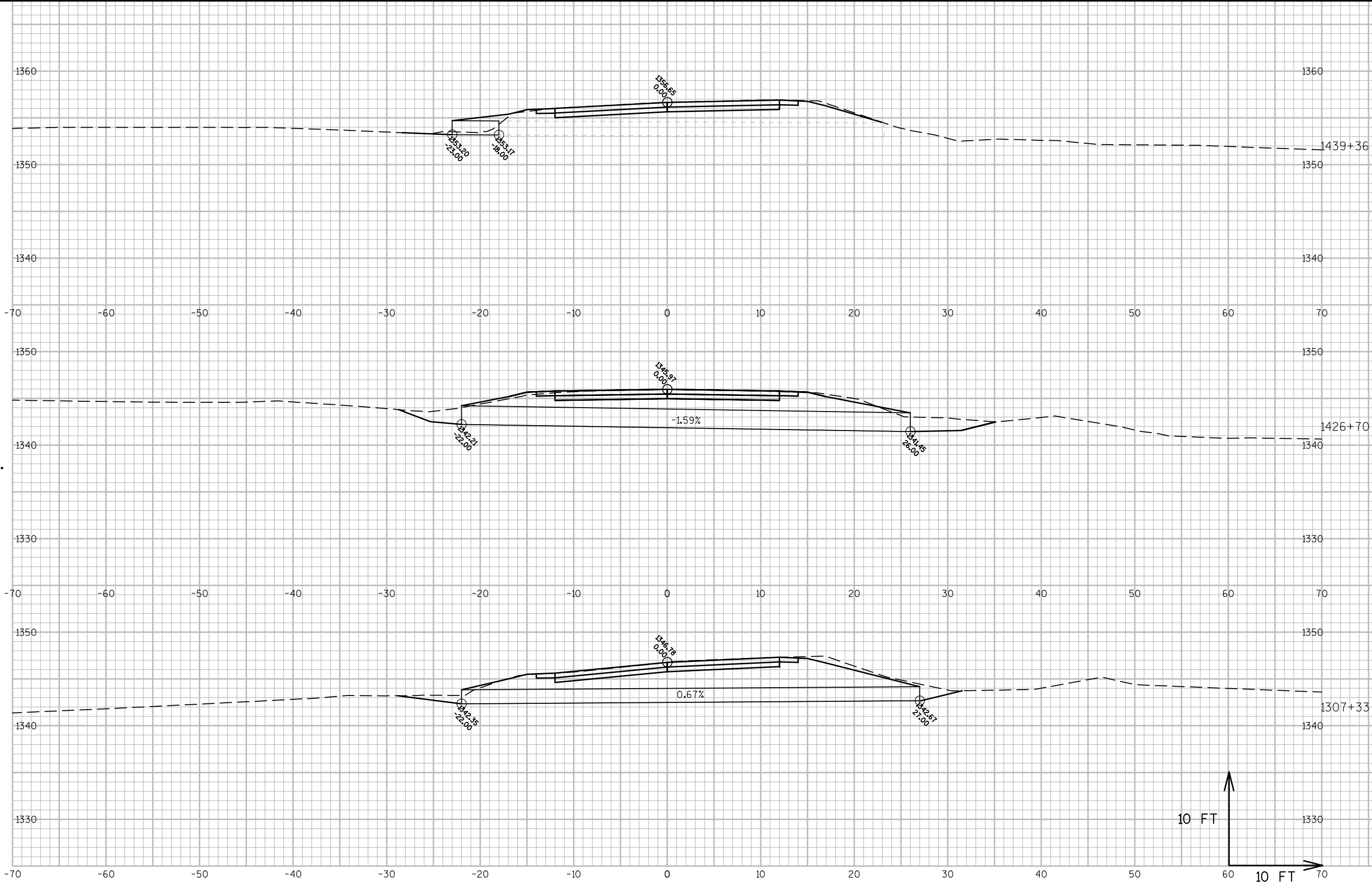
9

9



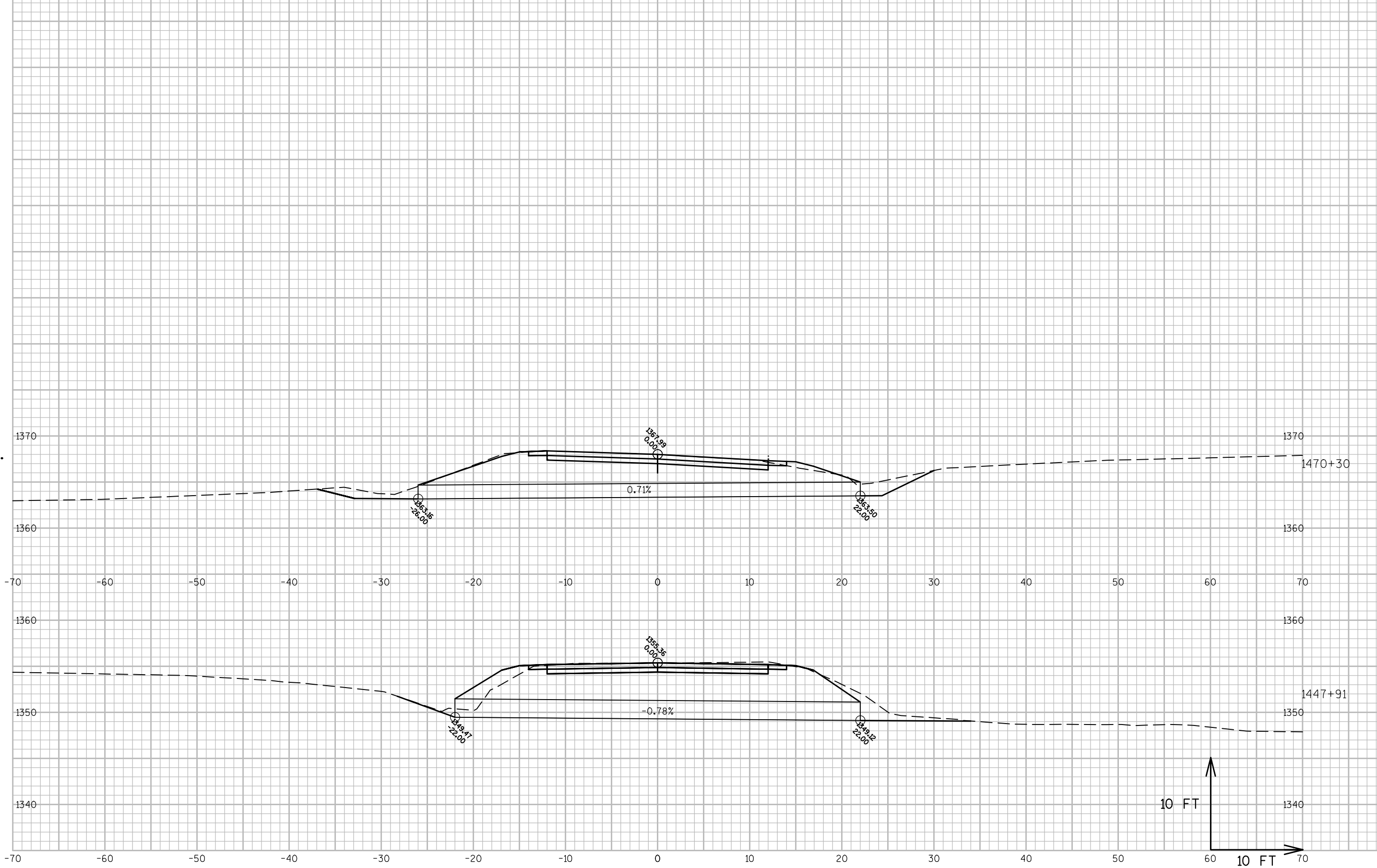
9

9



9

9



9

Notes



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