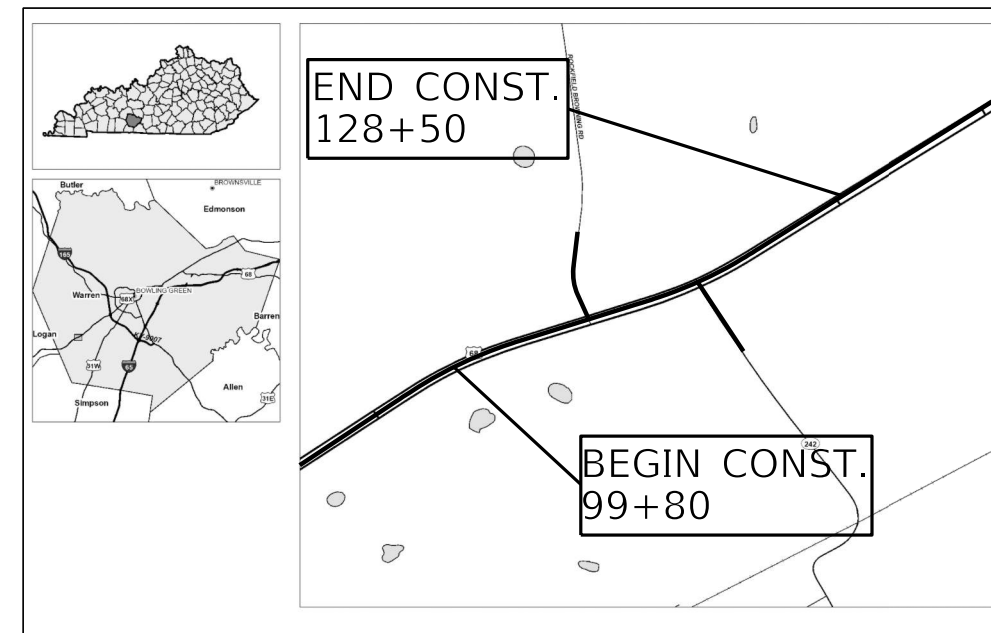
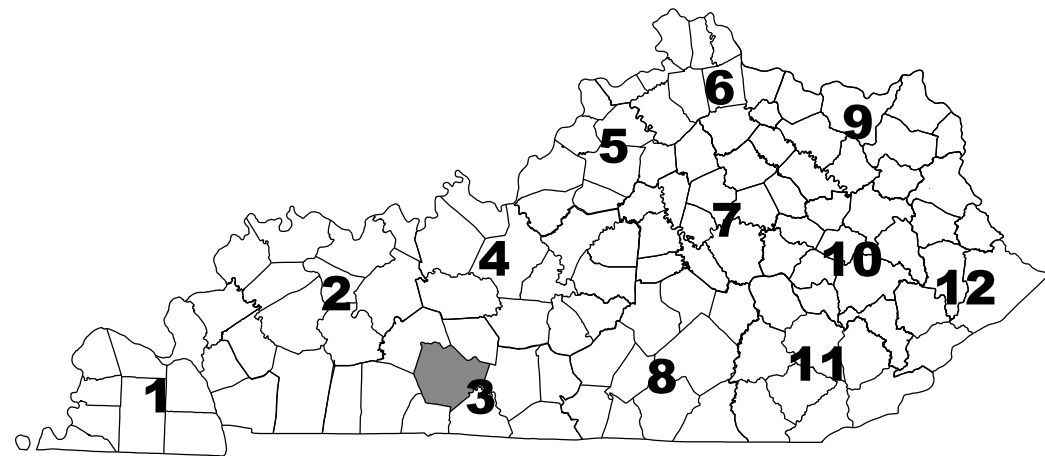




COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT WARREN COUNTY US 68



LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY RURAL ARTERIAL
 TYPE OF TERRAIN ROLLING
 DESIGN SPEED 65 MPH
 REQUIRED NPSD _____
 REQUIRED PSD _____
 LEVEL OF SERVICE _____
 ADT PRESENT (2023) 26,877
 ADT FUTURE () _____
 DHV _____
 D % _____
 T % 5.09

GEOGRAPHIC COORDINATES

LATITUDE 36 DEGREES 54 MINUTES 53 SECONDS NORTH
 LONGITUDE 86 DEGREES 34 MINUTES 10 SECONDS WEST

DESIGNED

% RESTRICTED SD _____
 LEVEL OF SERVICE _____
 MAX. DISTANCE W/O PASSING _____

INDEX OF SHEETS

- R1 LAYOUT SHEET
- R2 TYPICAL SECTIONS
- R3-R7 SUMMARIES
- R8-R9 PLAN SHEETS
- R10-R14 DETAIL SHEETS
- R15 PIPE SHEET
- R16 GEOMETRIC DATA
- R17-R18 STRIPING PLANS
- R19-R22 SIGNING SUMMARY
- R23-R27 SIGNING STANDARD DRAWINGS
- R28-R30 SIGNING PLANS
- R31-R34 SHEETING SIGN DETAILS

STANDARD DRAWINGS

LENGTH <u>2.870</u> LIN. FT. <u>0.54</u> MILES ADDED <input type="checkbox"/> FOR EQUALITIES _____ LIN. FT. DEDUCTED <input type="checkbox"/> NOT INCLUDED _____	LENGTH _____ LIN. FT. _____ MILES ADDED <input type="checkbox"/> FOR EQUALITIES _____ LIN. FT. DEDUCTED <input type="checkbox"/> NOT INCLUDED _____	LENGTH _____ LIN. FT. _____ MILES ADDED <input type="checkbox"/> FOR EQUALITIES _____ LIN. FT. DEDUCTED <input type="checkbox"/> NOT INCLUDED _____	LENGTH _____ LIN. FT. _____ MILES ADDED <input type="checkbox"/> FOR EQUALITIES _____ LIN. FT. DEDUCTED <input type="checkbox"/> NOT INCLUDED _____
RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____	RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____

PROJECT NUMBER: FD52 114 0068 002-004

PROJECT DESCRIPTION: US 68 / KY 242 INTERSECTION IMPROVEMENT

RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____

PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____



LETTING DATE: JANUARY 23, 2025

ITEM NO. 03-939.00 COUNTY OF WARREN

SHEET NO. R1

ITEM	DESCRIPTION	NOTE(S)	UNIT	US 68	KY 242	ROCKFIELD BROWNING ROAD	TOTAL PROJECT
00003	CRUSHED STONE BASE	1	TON	4199			4199
00100	ASPHALT SEAL AGGREGATE	1	TON	23			23
00103	ASPHALT SEAL COAT	1	TON	3			3
00190	LEVELING & WEDGING PG64-22	1	TON	204	3	5	212
00217	CL4 ASPH BASE 1.00D PG64-22	1	TON	3460			3460
00337	CL4 ASPH SURF 0.38B PG76-22	1	TON	2559	21	43	2623
00462	CULVERT PIPE-18 IN	2	LF	61			61
01921	STANDARD BARRIER MEDIAN TYPE 4		SQYD	351			351
02230	EMBANKMENT IN PLACE		CUYD	5707			5707
02562	TEMPORARY SIGNS		SQFT	328			328
02569	DEMobilIZATION		LS	1			1
02604	FABRIC-GEOTEXTILE CLASS 1A	1	SQYD	5974			5974
02650	MAINTAIN & CONTROL TRAFFIC		LS	1			1
02671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	4			4
02676	MOBILIZATION FOR MILL & TEXT		LS	1			1
02677	ASPHALT PAVE MILLING & TEXTURING	1	TON	2035	21	43	2099
02696	SHOULDER RUMBLE STRIPS		LF	11504			11504
02701	TEMP SILT FENCE		LF	5752			5752
02703	SILT TRAP TYPE A		EACH	4			4
02704	SILT TRAP TYPE B		EACH	4			4
02705	SILT TRAP TYPE C		EACH	4			4
02706	CLEAN SILT TRAP TYPE A		EACH	12			12
02707	CLEAN SILT TRAP TYPE B		EACH	12			12
02708	CLEAN SILT TRAP TYPE C		EACH	12			12
02726	STAKING		LS	1			1
02775	ARROW PANEL		EACH	4			4
03225	TUBULAR MARKERS		EACH	45			45
05950	EROSION CONTROL BLANKET		SQYD	750			750
05952	TEMP MULCH		SQYD	4225			4225
05953	TEMP SEEDING AND PROTECTION		SQYD	4225			4225
05963	INITIAL FERTILIZER		TON	1			1
05964	MAINTENANCE FERTILIZER		TON	1			1
05985	SEEDING AND PROTECTION		SQYD	4225			4225
05992	AGRICULTURAL LIMESTONE		TON	3			3
06406	SBM ALUM SHEET SIGNS .080 IN	3	SQFT	401			401
06407	SBM ALUM SHEET SIGNS .125 IN	3	SQFT	144			144
06410	STEEL POST TYPE 1	3	LF	715			715
06511	PAVE STRIPING-TEMP PAINT-6 IN	4	LF	17220	200	140	17560
06542	PAVE STRIPING-THERMO-6 IN W	4	LF	11384			11384
06543	PAVE STRIPING-THERMO-6 IN Y	4	LF	5911	184	234	6329
06568	PAVE MARKING-THERMO STOP BAR-24IN	4	LF		12	14	26

ITEM	DESCRIPTION	NOTE(S)	UNIT	US 68	KY 242	ROCKFIELD BROWNING ROAD	TOTAL PROJECT
06574	PAVE MARKING-THERMO CURV ARROW	4	EACH	14	2	2	18
06576	PAVE MARKING-THERMO ONLY	4	EACH	1	1	1	3
10020NS	FUEL ADJUSTMENT		DOLL	9798			9798
10030NS	ASPHALT ADJUSTMENT		DOLL	24611			24611
20071EC	JOINT ADHESIVE	1	LF	3074			3074
21289ED	LONGITUDINAL EDGE KEY		LF	3510			3510
21541NN	CORED HOLE DRAINAGE BOX CON- 18 IN		EACH	1			1
22680EN	QWICK CURB MEDIAN SEPARATOR		LF	157			157
24489EC	INLAID PAVEMENT MARKER		EACH	141			141
24631EC	BARCODE SIGN INVENTORY	3	EACH	105			105
24679ED	PAVE MARK THERMO CHEVRON	4	SQFT	331	152	149	632
24889EC	PAVE MARKING-THERMO U-TURN	4	EACH	17			17
24969ED	LONGITUDINAL SAW CUT		LF	3510			3510
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	1	TON	11	1	1	13
26131ED	SLOPED AND MITERED HEADWALL-18 IN	2	EACH	1			1

NOTES

- 1 CARRIED OVER FROM PAVING SUMMARY
- 2 CARRIED OVER FROM PIPE DRAINAGE SUMMARY
- 3 CARRIED OVER FROM SIGNAGE SUMMARY
- 4 CARRIED OVER FROM STRIPING SUMMARY



PAVING AREAS					
ITEM	NOTES	US 68	KY 242	ROCKFIELD BROWNING ROAD	TOTAL PROJECT
				SQUARE YARDS	
1.5" CL4 ASPH SURF 0.388 PG76-22		31013	251	520	31784
3.25" CL4 ASPH BASE 1.00D PG64-22		5649			5649
3.25" CL4 ASPH BASE 1.00D PG64-22		5750			5750
4" CL4 ASPH BASE 1.00D PG64-22		5850			5850
6" CRUSHED STONE BASE		5974			5974
FABRIC - GEOTEXTILE CLASS 1A		5974			5974
1.5" ASPHALT PAVE MILLING & TEXTURING		24656	251	520	25427
CRUSHED STONE BASE SHOULDERS		755			755
CRUSHED STONE BASE WEDGES (CY)		1113			1113
ASPHALT SEAL COAT		1113			1113
ASPHALT SEAL AGGREGATE		1113			1113
ASPHALT MATERIAL FOR TACK NON-TRACKING		24656	251	520	25427
JOINT ADHESIVE (LF)		3074			3074

PAVING SUMMARY							
ITEM CODE	ITEM	NOTES	UNIT	US 68	KY 242	ROCKFIELD BROWNING ROAD	TOTAL PROJECT
00003	CRUSHED STONE BASE	1	TON	4199			4199
00100	ASPHALT SEAL AGGREGATE	3	TON	23			23
00103	ASPHALT SEAL COAT	4	TON	3			3
00190	LEVELING & WEDGING PG64-22	2	TON	598			598
00217	CL4 ASPH BASE 1.00D PG64-22	2	TON	3460			3460
00337	CL4 ASPH SURF 0.388 PG76-22	2	TON	2559	21	43	2623
02604	FABRIC-GEOTEXTILE CLASS 1A		SOYD	5974			5974
02677	ASPHALT PAVE MILLING & TEXTURING	2	TON	2035	21	43	2099
20071EC	JOINT ADHESIVE		LF	3074			3074
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	5	TON	11	1	1	13

* ALL QUANTITIES CARRIED TO GENERAL SUMMARY

1. ESTIMATED AT 115 LBS PER SOYD PER INCH OF DEPTH
2. ESTIMATED AT 110 LBS PER SOYD PER INCH OF DEPTH
3. ESTIMATED AT 20 LBS PER SOYD (2 APPLICATIONS)
4. ESTIMATED AT 0.4 LBS PER SOYD (2 APPLICATIONS)
5. ESTIMATED AT 0.84 LBS PER SOYD



PIPE DRAINAGE SUMMARY

		COVER HEIGHT	DESIGN pH LEVEL		CULVERT PIPE - 18 IN	SLOPED AND MITERED HEADWALL - 18IN	REMARKS
ITEM CODE					00462	26131ED	
UNIT TO BID	STATION	FT			LF	EA	
US 68	101+42	3.1			61	1	
KY 242							
Rockfield Browning Road							
TOTALS					61	1	



STRIPING TABLE							
ALIGNMENT	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	DESCRIPTION	UNIT	QUANTITY
US 68	99+80	22.69' RT.	100+97	25.80 RT.	6" SOLID YELLOW	LF	116
US 68	99+80	16.37' LT.	102+08	14.66 LT.	6" SOLID YELLOW	LF	229
US 68	101+32	15.99' RT.	108+40	0.00' LT.	6" SOLID YELLOW	LF	779
US 68	101+85	0.00' LT.	108+40	0.00' LT.	6" SOLID YELLOW	LF	665
US 68	107+91	26.54' RT.	116+52	23.38' RT.	6" SOLID YELLOW	LF	865
US 68	108+69	14.31' LT.	117+54	17.91' LT.	6" SOLID YELLOW	LF	883
US 68	116+66	23.11' RT.	127+73	0.00' RT.	6" SOLID YELLOW	LF	1141
US 68	116+81	0.00' LT.	127+73	0.00' LT.	6" SOLID YELLOW	LF	1109
US 68	127+64	21.14' RT.	128+50	21.25' RT.	6" SOLID YELLOW	LF	87
US 68	128+13	19.30' LT.	128+50	19.29' LT.	6" SOLID YELLOW	LF	37
ROCKFIELD BROWNING RD	49+12	0.00 RT.	49+55	31.10 RT.	6" SOLID YELLOW	LF	128
KY 242	50+43	38.83' LT.	50+99	0.00 LT.	6" SOLID YELLOW	LF	162
							TOTAL
							6201
US 68	99+80	47.68' RT.	116+63	120.15' RT.	6" SOLID WHITE	LF	1723
US 68	99+80	40.37' LT.	108+39	136.34' LT.	6" SOLID WHITE	LF	947
US 68	100+97	25.80' RT.	107+29	14.40' LT.	6" SOLID WHITE	LF	646
US 68	104+53	26.54' RT.	108+69	14.31' LT.	6" SOLID WHITE	LF	434
US 68	104+53	26.54' RT.	107+91	26.54' RT.	6" SOLID WHITE	LF	338
US 68	108+98	188.80' LT.	128+50	43.18' LT.	6" SOLID WHITE	LF	2067
US 68	114+25	47.77' RT.	116+53	60.28' RT.	6" SOLID WHITE	LF	476
US 68	116+52	23.38' RT.	118+72	18.02' LT.	6" SOLID WHITE	LF	241
US 68	116+90	116.07' RT.	128+50	45.00' RT.	6" SOLID WHITE	LF	1215
US 68	117+54	17.91' LT.	120+26	17.66' LT.	6" SOLID WHITE	LF	271
US 68	117+96	21.28' RT.	127+64	21.14' RT.	6" SOLID WHITE	LF	970
US 68	126+67	21.01' RT.	128+13	19.24' LT.	6" SOLID WHITE	LF	164
							TOTAL
							9492
ROCKFIELD BROWNING RD	48+58	0.00 RT.	19+12	0.00 RT.	6" DOUBLE SOLID YELLOW	LF	53
KY 242	50+99	0.00 RT.	51+10	0.00 RT.	6" DOUBLE SOLID YELLOW	LF	11
							TOTAL
							64
US 68	100+91	49.73' RT.	106+72	50.53' RT.	6" DASHED WHITE 6X10	LF	576
US 68	121+72	43.31' LT.	128+21	43.23' LT.	6" DASHED WHITE 6X10	LF	642
							TOTAL
							1218
US 68	99+80	35.69 RT.	128+50	33.23 RT.	6" DASHED WHITE 10X30	LF	2870
US 68	99+80	28.37 LT.	128+50	30.87 LT.	6" DASHED WHITE 10X30	LF	2870
							TOTAL
							5740

STRIPING SUMMARY			
ITEM CODE	DESCRIPTION	UNIT	QUANTITY
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF	17560
06542	PAVE STRIPING-THERMO-6 IN W	LF	11384
06543	PAVE STRIPING-THERMO-6 IN Y	LF	6329
06568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	26
06574	PAVE MARKING-THERMO CURV ARROW	EACH	18
06576	PAVE MARKING-THERMO ONLY	EACH	3
24679ED	PAVE MARKING THERMO CHEVRON	SQFT	632
24889EC	PAVE MARKING-THERMO U-TURN	EACH	17



Sign Summary WARREN County Route US 68

SIGN LOCATION						MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)		
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx. Mile Point	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type												
S-1	RT	9	99+37	2.927	WEST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1		
S-2	RT	69	99+37	2.927	WEST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1		
S-3	RT	14	100+69	2.952	WEST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	16			16	1		
					EAST	R3-4	No U-Turn		36 x 36	Red & Black	White	XI	9.00											1
S-4	RT	68	100+69	2.952	WEST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1		
S-5	RT	82	101+35	2.965	WEST	R6-1L	One Way		54 x 18	Black	White	XI		6.75	Stnd w/ Soil Plate		2	12			24	1		
S-6	RT	12	101+56	2.969	EAST	M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	15			15	1		
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00											1
						MX-XX	U-Turn Arrow	U-Turn Arrow	21 x 15	Black	White	XI	2.19											
S-7	RT	11	102+92	2.994	EAST	D1-1d	Circular Intersection Destination (1 line)		113 x 18	White	Green	XI		14.13	Stnd w/ Soil Plate	Yes	2	13			26	1		
S-8	RT	73	102+92	2.994	EAST	D1-1d	Circular Intersection Destination (1 line)		113 x 18	White	Green	XI		14.13	Stnd w/ Soil Plate	Yes	2	13			26	1		
S-9	RT	8	105+95	3.052	WEST	M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	15			15	1		
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00											1
						M6-2L	Upward Left Diagonal Arrow		21 x 15	Black	White	XI	2.19											
S-10		0	107+80	3.087	WEST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	16			16	1		
					EAST	R3-4	No U-Turn		36 x 36	Red & Black	White	XI	9.00											1
S-11		0	108+20	3.094	SOUTH	M3-4	West		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate	Yes	1	18			18	1		
					M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes								1	
					M6-1R	Right Arrow		21 x 15	Black	White	XI	2.19			Yes									1
					M4-5	To		24 x 12	Black	White	XI	2.00			Yes									1
					M3-2	East		24 x 12	Black	White	XI	2.00			Yes									
					M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes							1		

Summary of Items (Sheet 1 of 4)		
SBM Alum Sheet Signs 0.080 INCH	77.57	SQ FT
SBM Alum Sheet Signs 0.125 INCH	52.51	SQ FT
Barcode Sign Inventory	22	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assemblies		EACH

Summary of Items (Sheet 1 of 4)		
Steel Post - Type 1	195	LF
GMSS Type D	0	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0	CU YD

Sign Summary WARREN County Route US 68

SIGN LOCATION						MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx. Mile Point	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type										
S-11 (CONT.)						M6-1R	Right Arrow		21 x 15	Black	White	XI	2.19		Yes						1	
						R6-1R	One Way		36 x 12	Black	White	XI	3.00		Yes						1	
S-12	RT	45	49+31	3.093	SOUTH	R6-1R	One Way		36 x 12	Black	White	XI	3.00		Stnd w/ Soil Plate		1	14			14	1
						R1-1	Stop		36 x 36	White	Red	XI	9.00									1
S-13	RT	**	**	**	SOUTH	R3-5R	Right Turn ONLY		30 x 36	Black	White	XI	7.50		Stnd w/ Soil Plate		1	13			13	1
	RT	**	**	**	SOUTH	M3-4	West		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate	Yes	1	16			16	1
S-14						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes						1
						M5-1R	Advance Right Turn Arrow		21 x 15	Black	White	XI	2.19			Yes						1
						M4-5	To		24 x 12	Black	White	XI	2.00			Yes						1
						M3-2	East		24 x 12	Black	White	XI	2.00			Yes						1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes						1
						M5-1R	Advance Right Turn Arrow		21 x 15	Black	White	XI	2.19			Yes						
S-15	RT	**	**	**	SOUTH	M2-1	Junction		21 x 15	Black	White	XI	2.19		Stnd w/ Soil Plate		1	14			14	1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00									1
S-16	RT	**	**	**	SOUTH	W3-1	Stop Ahead		30 x 30	Red & Black	Yellow	XI	6.25		Stnd w/ Soil Plate		1	13			13	1
S-17	LT	8	108+86	3.107	WEST	R3-2	No Left Turn		36 x 36	Red & Black	White	XI	9.00		Stnd w/ Soil Plate		1	13			13	1
S-18	RT	12	109+60	3.121	EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1
S-19	LT	65	109+60	3.121	EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1
S-20	RT	6	110+71	3.140	EAST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1
S-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-22	LT	60	110+71	3.142	EAST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		2	13			26	1
	LT				WEST	D1-1	Destination (1 line)		114 x 18	White	Green	XI		14.25	Stnd w/ Soil Plate	Yes						1
S-23	RT	4	114+39	3.212	WEST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1
S-24	RT	70	114+39	3.212	WEST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1

** SEE PLANS/DETAILS FOR LOCATION

Summary of Items (Sheet 2 of 4)		
SBM Alum Sheet Signs 0.080 INCH	82.50	SQ FT
SBM Alum Sheet Signs 0.125 INCH	49.25	SQ FT
Barcode Sign Inventory	23	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assemblies		EACH

Summary of Items (Sheet 2 of 4)		
Steel Post - Type 1	174	LF
GMSS Type D	0	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0	CU YD

Sign Summary WARREN County Route US 68

SIGN LOCATION						MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incdntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx. Mile Point	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type											
S-25	RT	78	116+06	3.243	WEST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1	
S-26	LT	4	116+06	3.243	WEST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	16			16	1	
					EAST	R3-4	No U-Turn		36 x 36	Red & Black	White	XI	9.00									1	
S-27	LT	60	116+60	3.243	EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1	
S-28	LT	48	50+68	3.264	NORTH	R6-1R	One Way		36 x 12	Black	White	XI	3.00		Stnd w/ Soil Plate		1	14			14	1	
						R1-1	Stop		36 x 36	White	Red	XI	9.00									1	
S-29	LT	**	**	**	NORTH	R3-5R	Right Turn ONLY		30 x 36	Black	White	XI	7.50		Stnd w/ Soil Plate		1	13			13	1	
S-30	LT	**	**	**	NORTH	M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate	Yes	1	18			18	1	
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes						1	
						M5-1R	Advance Right Turn Arrow		21 x 15	Black	White	XI	2.19			Yes						1	
						M4-5	To		24 x 12	Black	White	XI	2.00			Yes						1	
						M3-4	West		24 x 12	Black	White	XI	2.00			Yes						1	
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes							1
S=31	RT	12	117+17	3.264	NORTH	M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate	Yes	1	18			18	1	
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes						1	
						M6-1R	Right Arrow		21 x 15	Black	White	XI	2.19			Yes						1	
						M4-5	To		24 x 12	Black	White	XI	2.00			Yes						1	
						M3-4	West		24 x 12	Black	White	XI	2.00			Yes						1	
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00			Yes							1
						M6-1R	Right Arrow		21 x 15	Black	White	XI	2.19			Yes							1
					R6-1R	One Way		36 x 12	Black	White	XI	3.00			Yes							1	

** SEE PLANS/DETAILS FOR LOCATION

Summary of Items (Sheet 3 of 4)			
SBM Alum Sheet Signs 0.080 INCH	95.25	SQ FT	
SBM Alum Sheet Signs 0.125 INCH	0.00	SQ FT	
Barcode Sign Inventory	22	EACH	
Remove & Relocate Sheet Signs		EACH	
Remove & Relocate Sign Assemblies		EACH	

Summary of Items (Sheet 3 of 4)		
Steel Post - Type 1	105	LF
GMSS Type D	0	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0	CU YD



Sign Summary WARREN County Route US 68

SIGN LOCATION						MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includntl to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx. Mile Point	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type										
S-32	RT	8	117+17	3.264	WEST	R3-4	No U-Turn		36 x 36	Red & Black	White	XI	9.00		Stnd w/ Soil Plate		1	16			16	1
					EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00									1
S-33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-34	LT	59	118+00	3.280	EAST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	14			14	1
	LT	59	118+00	3.280	WEST	M1-5a	State Route Sign (3 or 4 digit)	242	30 x 24	Black	White	XI	5.00									1
	LT	59	118+00	3.280	WEST	M6-1L	Left Arrow		21 x 15	Black	White	XI	2.19									1
S-35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S-36	RT	4	119+23	3.303	EAST	M3-4	West		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	15			15	1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00									1
						M6-2L	Upward Left Diagonal Arrow		21 x 15	Black	White	XI	2.19									1
S-37	LT	62	122+18	3.359	WEST	M1-5a	State Route Sign (3 or 4 digit)	242	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	14			14	1
						M6-2L	Upward Left Diagonal Arrow		21 x 15	Black	White	XI	2.19									1
S-38	LT	64	124+31	3.399	WEST	M2-1	Junction		21 x 15	Black	White	XI	2.19		Stnd w/ Soil Plate		1	14			14	1
						M1-5a	State Route Sign (3 or 4 digit)	242	30 x 24	Black	White	XI	5.00									1
S-39	LT	2	127+29	3.456	EAST	M3-4	West		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	15			15	1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00									1
						MX-XX	U-Turn Arrow	U-Turn Arrow	21 x 15	Black	White	XI	2.19									1
S-40	LT	88	127+68	3.463	EAST	R6-1L	One Way		54 x 18	Black	White	XI		6.75	Stnd w/ Soil Plate		2	12			24	1
S-41	RT	68	128+40	3.477	EAST	M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	13			13	1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00									1
S-42	LT	61	128+50	3.479	EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00		Stnd w/ Soil Plate		1	13			13	1
S-43		0	128+50	3.479	WEST	R3-4	No U-Turn		36 x 36	Red & Black	White	XI	9.00		Stnd w/ Soil Plate		1	16			16	1
					EAST	R5-1	Do Not Enter		36 x 36	White	Red	XI	9.00									1
S-44		0	129+50	3.498	EAST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1
S-45	LT	62	129+50	3.498	EAST	R5-1a	Wrong Way		42 x 30	White	Red	XI		8.75	Stnd w/ Soil Plate		1	13			13	1

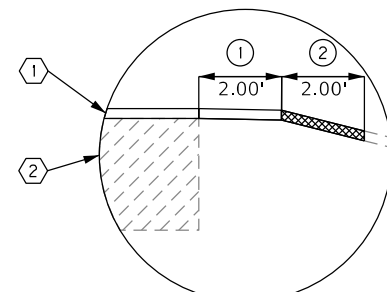
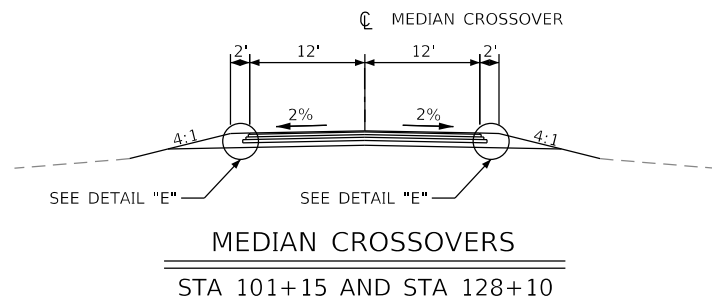
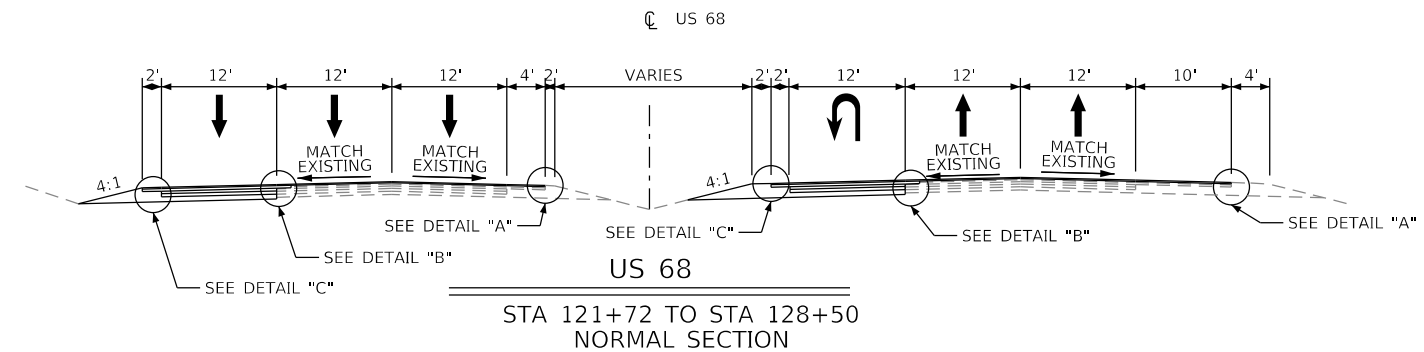
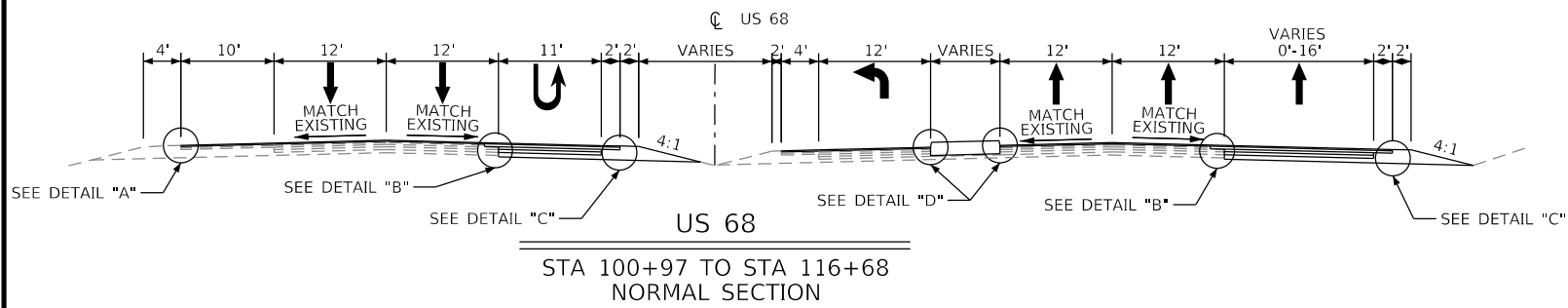
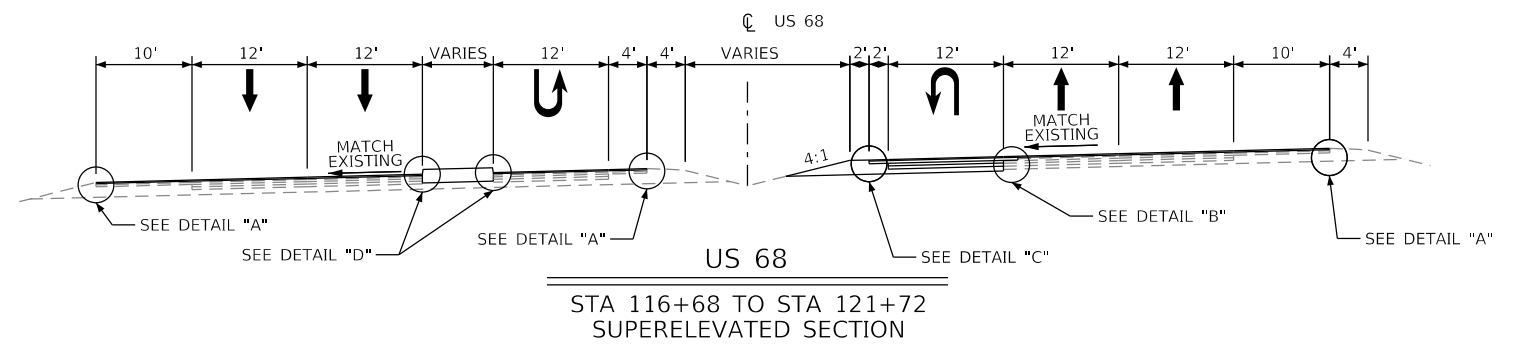
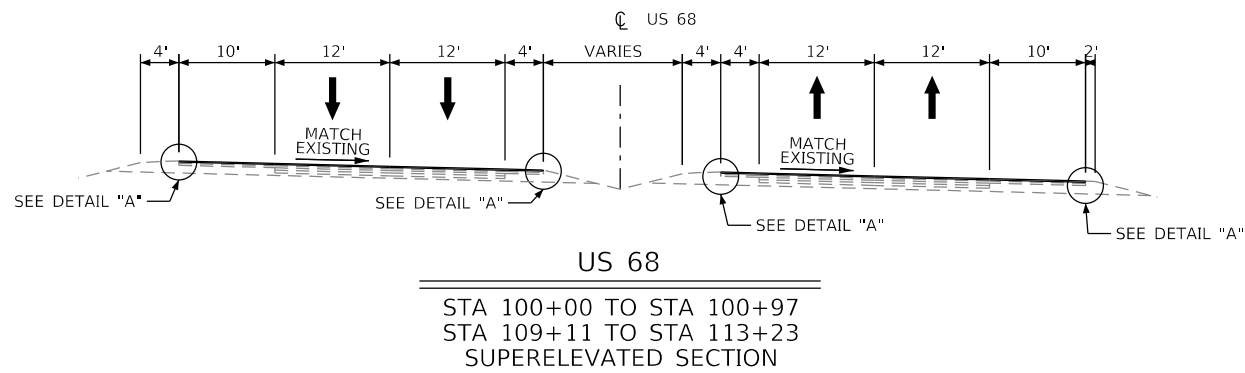
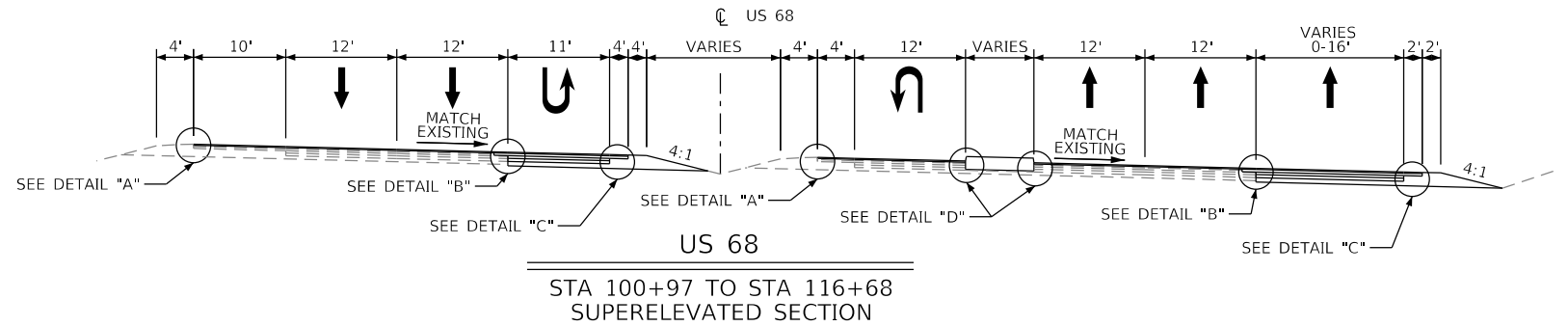
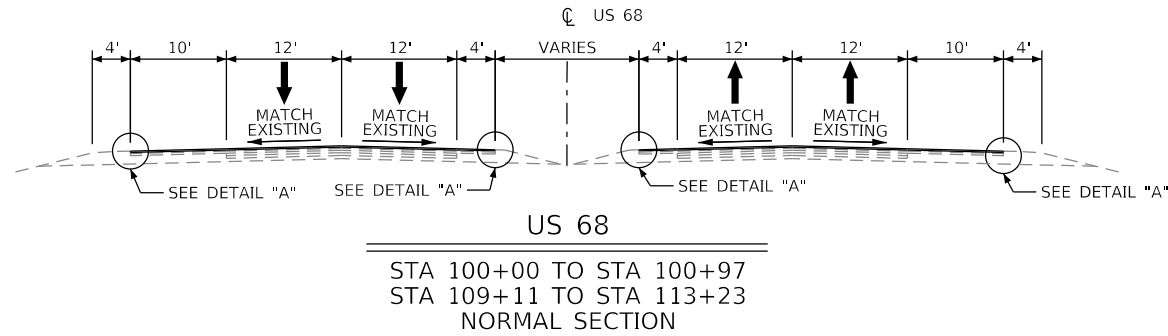
Summary of Items (Sheet 4 of 4)		
SBM Alum Sheet Signs 0.080 INCH	88.94	SQ FT
SBM Alum Sheet Signs 0.125 INCH	33.00	SQ FT
Barcode Sign Inventory	23	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assemblies		EACH

Summary of Items (Sheet 4 of 4)		
Steel Post - Type 1	180	LF
GMSS Type D	0	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0	CU YD

Total Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	344.26	SQ FT
SBM Alum Sheet Signs 0.125 INCH	134.76	SQ FT
Barcode Sign Inventory	90	EACH
Remove & Relocate Sheet Signs		EACH
Remove & Relocate Sign Assemblies		EACH

Total Summary of Items		
Steel Post - Type 1	654	LF
GMSS Type D		EACH
GMSS Type D (Surface Mount)		EACH
Class A Concrete for Signs		CU YD

TYPICAL SECTIONS

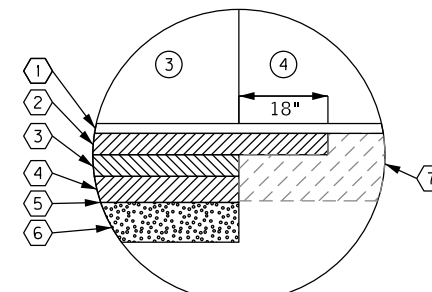


DETAIL "A"

NOT TO SCALE

- ① PAVED SHOULDER
- ② EARTH SHOULDER
- ③ PROPOSED FULL DEPTH PAVEMENT
- ④ EXISTING PAVEMENT

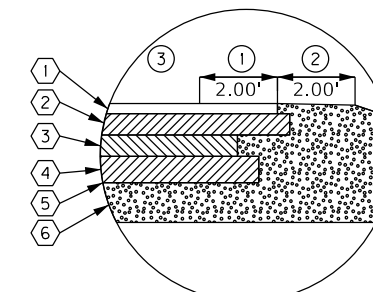
- ① 1.50" CL4 ASPH SURF 0.38B PG76-22
- ② EXISTING PAVEMENT



DETAIL "B"

NOT TO SCALE

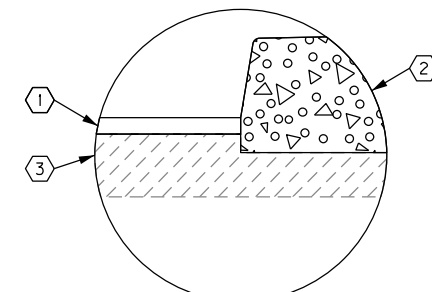
- ① 1.50" CL4 ASPH SURF 0.38B PG76-22
- ② 3.25" CL4 ASPH BASE 1.00D PG64-22
- ③ 3.25" CL4 ASPH BASE 1.00D PG64-22
- ④ 4.00" CL4 ASPH BASE 1.00D PG64-22
- ⑤ FABRIC - GEOTEXTILE CLASS 1A
- ⑥ 6.00" CRUSHED STONE BASE
- ⑦ EXISTING PAVEMENT



DETAIL "C"

NOT TO SCALE

- ① 1.50" CL4 ASPH SURF 0.38B PG76-22
- ② 3.25" CL4 ASPH BASE 1.00D PG64-22
- ③ 3.25" CL4 ASPH BASE 1.00D PG64-22
- ④ 4.00" CL4 ASPH BASE 1.00D PG64-22
- ⑤ FABRIC - GEOTEXTILE CLASS 1A
- ⑥ 6.00" CRUSHED STONE BASE



DETAIL "D"

NOT TO SCALE

- ① 1.50" CL4 ASPH SURF 0.38B PG76-22
- ② STANDARD BARRIER MEDIAN TYPE 4
- ③ EXISTING PAVEMENT



COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS

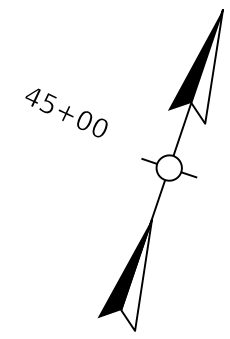
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ITEM NO.
 03-939.00

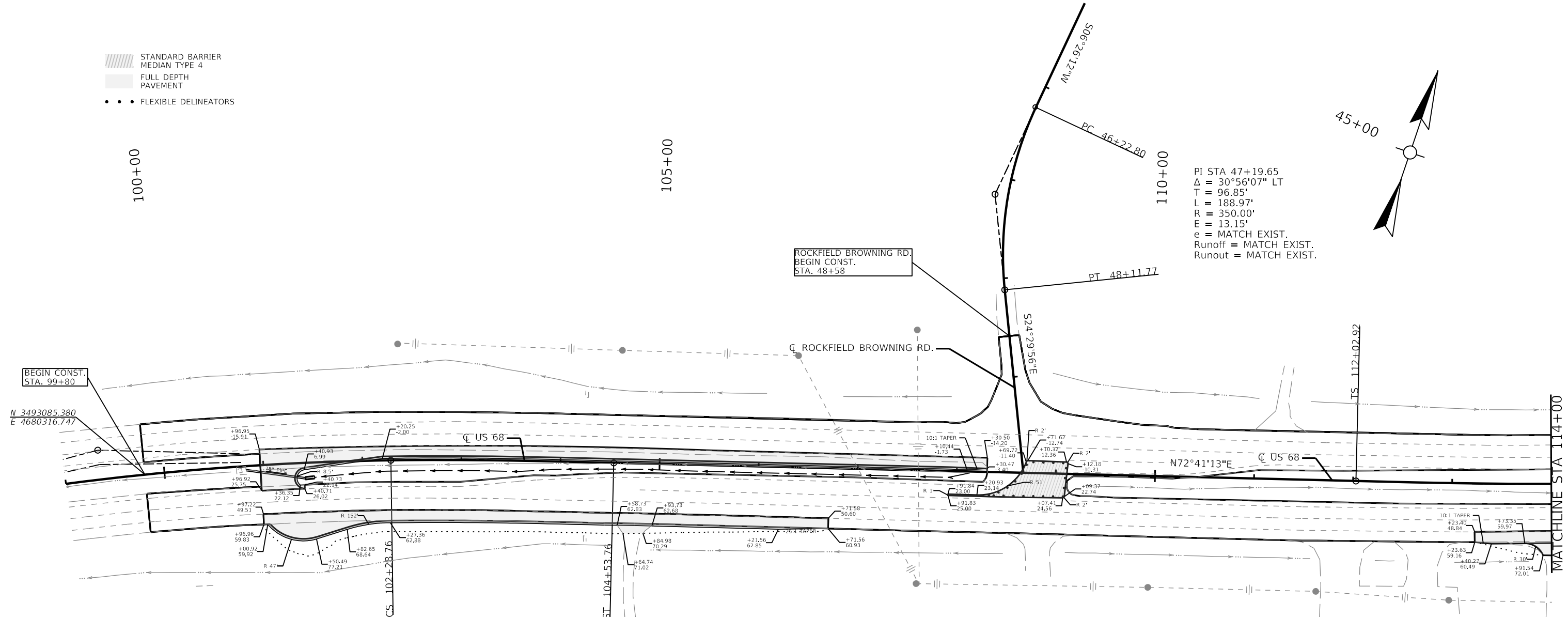
COUNTY OF
 WARREN

SHEET NO.
 R10

-  STANDARD BARRIER
MEDIAN TYPE 4
-  FULL DEPTH
PAVEMENT
-  FLEXIBLE DELINEATORS



PI STA 47+19.65
 $\Delta = 30^\circ 56' 07''$ LT
 T = 96.85'
 L = 188.97'
 R = 350.00'
 E = 13.15'
 e = MATCH EXIST.
 Runoff = MATCH EXIST.
 Runout = MATCH EXIST.



BEGIN CONST.
STA. 99+80

N 3493085.380
E 4680316.747

PI STA 99+36.77
 $\Delta = 11^\circ 43' 15''$ RT
 T = 294.05'
 L = 586.04'
 R = 2864.79'
 E = 15.05'
 e = MATCH EXIST.
 Runoff = MATCH EXIST.
 Runout = MATCH EXIST.

LONGITUDINAL EDGE KEY

US 68 LT. STA. 100+96 TO LT. STA. 108+31
CONSTRUCT 735 LF.

US 68 RT. STA. 100+96 TO RT. STA. 101+41
CONSTRUCT 44 LF

US 68 RT. STA. 100+97 TO RT. STA. 106+72
CONSTRUCT 573 LF.

US 68 RT. STA. 113+23 TO RT. STA. 114+00
CONSTRUCT 78 LF.

LONGITUDINAL SAW CUT

US 68 LT. STA. 100+96 TO LT. STA. 108+31
CONSTRUCT 735 LF.

US 68 RT. STA. 100+96 TO RT. STA. 101+41
CONSTRUCT 44 LF

US 68 RT. STA. 100+97 TO RT. STA. 106+72
CONSTRUCT 573 LF.

US 68 RT. STA. 113+23 TO RT. STA. 114+00
CONSTRUCT 78 LF.

STANDARD BARRIER MEDIAN TYPE 4

US 68 RT. STA. 107+91 TO RT. STA. 109+11
CONSTRUCT 177 SQYD.

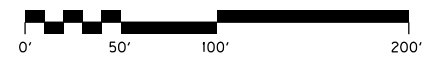
US 68 LT. STA. 108+64 TO LT. STA. 109+12
CONSTRUCT 62 SQYD.

CONSTRUCT PIPE CULVERT & HEADWALL

US 68 RT. STA. 101+42 - CONSTRUCT 61 LF.
18" PIPE CULVERT WITH 1 EA. SLOPED AND
MITERED HEADWALL-18IN.
INLET ELEV. 593.21'.
DRILL CORE HOLE TO INSTALL PIPE INTO
EXISTING DBI.
INLET ELEV. 590.50'.

ASPHALT RESURFACING

EXISTING PAVEMENT WITHIN PROJECT
LIMITS NOT SHOWN AS FULL DEPTH
PAVEMENT SHALL BE MILLED AND
OVERLAID A DEPTH OF 1.5".



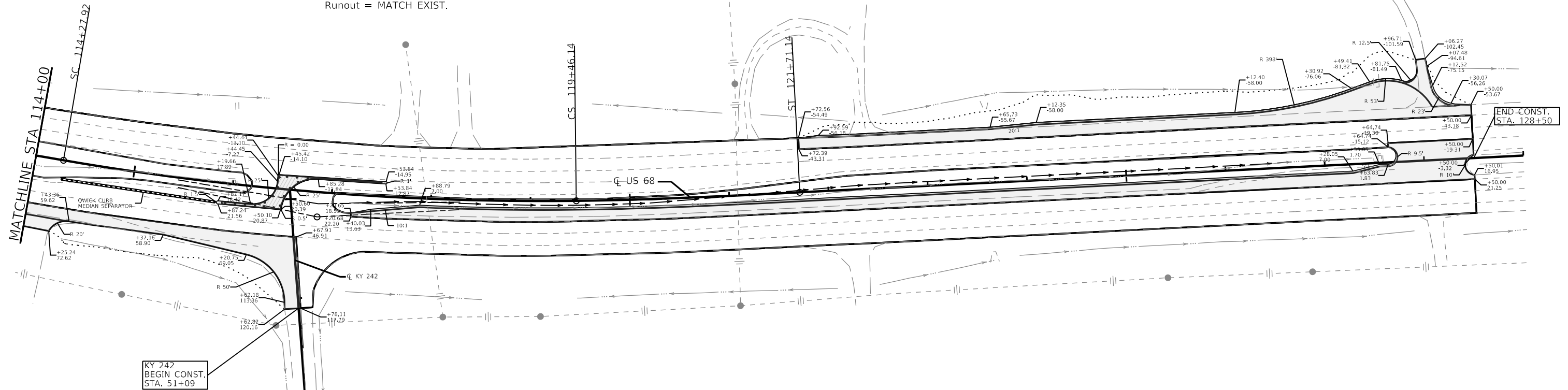
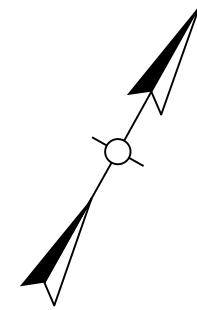
-  STANDARD BARRIER
MEDIAN TYPE 4
-  FULL DEPTH
PAVEMENT
-  FLEXIBLE DELINEATORS

115+00

120+00

125+00

PI STA 116+87.74
 $\Delta = 10^{\circ}21'52''$ LT
 T = 259.82'
 L = 518.22'
 R = 2864.79'
 E = 11.76'
 e = MATCH EXIST.
 Runoff = MATCH EXIST.
 Runout = MATCH EXIST.



KY 242
 BEGIN CONST.
 STA. 51+09

END CONST.
 STA. 128+50

LONGITUDINAL EDGE KEY
 US 68 RT. STA. 114+00 TO RT. STA. 116+67
 CONSTRUCT 272 LF.
 US 68 RT. STA. 117+20 TO RT. STA. 128+50
 CONSTRUCT 1,130 LF.
 US 68 LT. STA. 121+72 TO LT. STA. 128+50
 CONSTRUCT 678 LF.

QWICK CURB MEDIAN SEPARATOR
 US 68 RT. STA. 114+29 TO RT. STA. 115+85
 CONSTRUCT 157 LF.

LONGITUDINAL SAW CUT
 US 68 RT. STA. 114+00 TO RT. STA. 116+67
 CONSTRUCT 272 LF.
 US 68 RT. STA. 117+20 TO RT. STA. 128+50
 CONSTRUCT 1,130 LF.
 US 68 LT. STA. 121+72 TO LT. STA. 128+50
 CONSTRUCT 678 LF.

STANDARD BARRIER MEDIAN TYPE 4
 US 68 RT. STA. 115+92 TO RT. STA. 116+58
 CONSTRUCT 56 SQYD.
 US 68 LT. STA. 116+44 TO LT. STA. 117+50
 CONSTRUCT 56 SQYD.

ASPHALT RESURFACING
 EXISTING PAVEMENT WITHIN PROJECT
 LIMITS NOT SHOWN AS FULL DEPTH
 PAVEMENT SHALL BE MILLED AND
 OVERLAID A DEPTH OF 1.5".



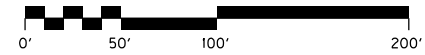
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS



DRAWING TITLE: PLAN SHEET

11X17

HORIZONTAL SCALE
 SCALE: 1"=50'



STA 114+00 TO 128+50

ITEM NO.
 03-939.00 COUNTY OF
 WARREN
 SHEET NO.
 R12

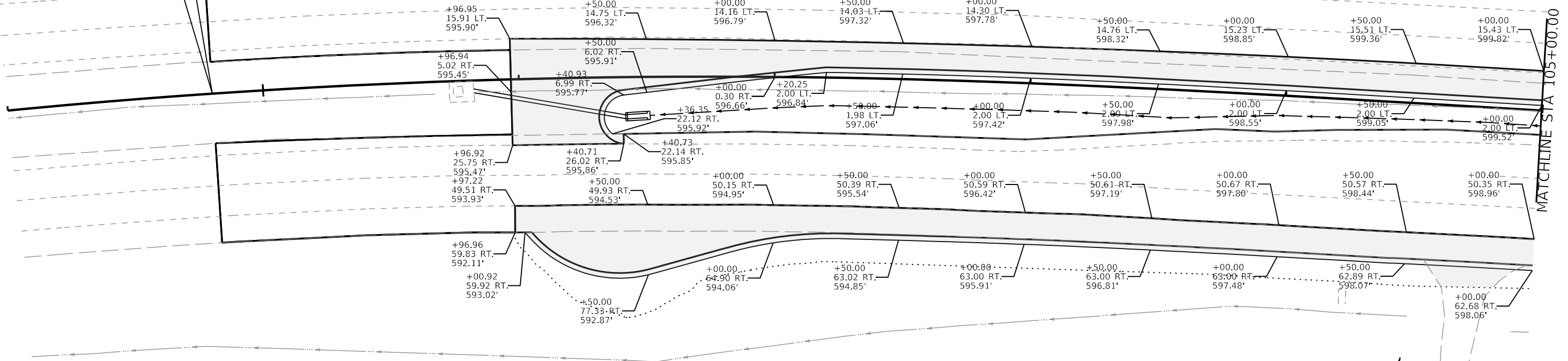
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MEDIAN TYPE 4
-  FULL DEPTH
PAVEMENT
-  FLEXIBLE DELINEATORS

100+00

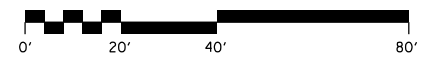
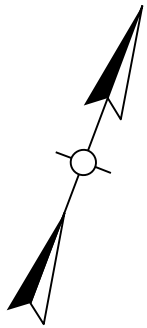
105+00

BEGIN CONST.
STA. 99+80

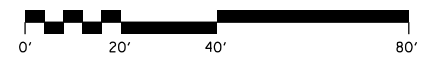
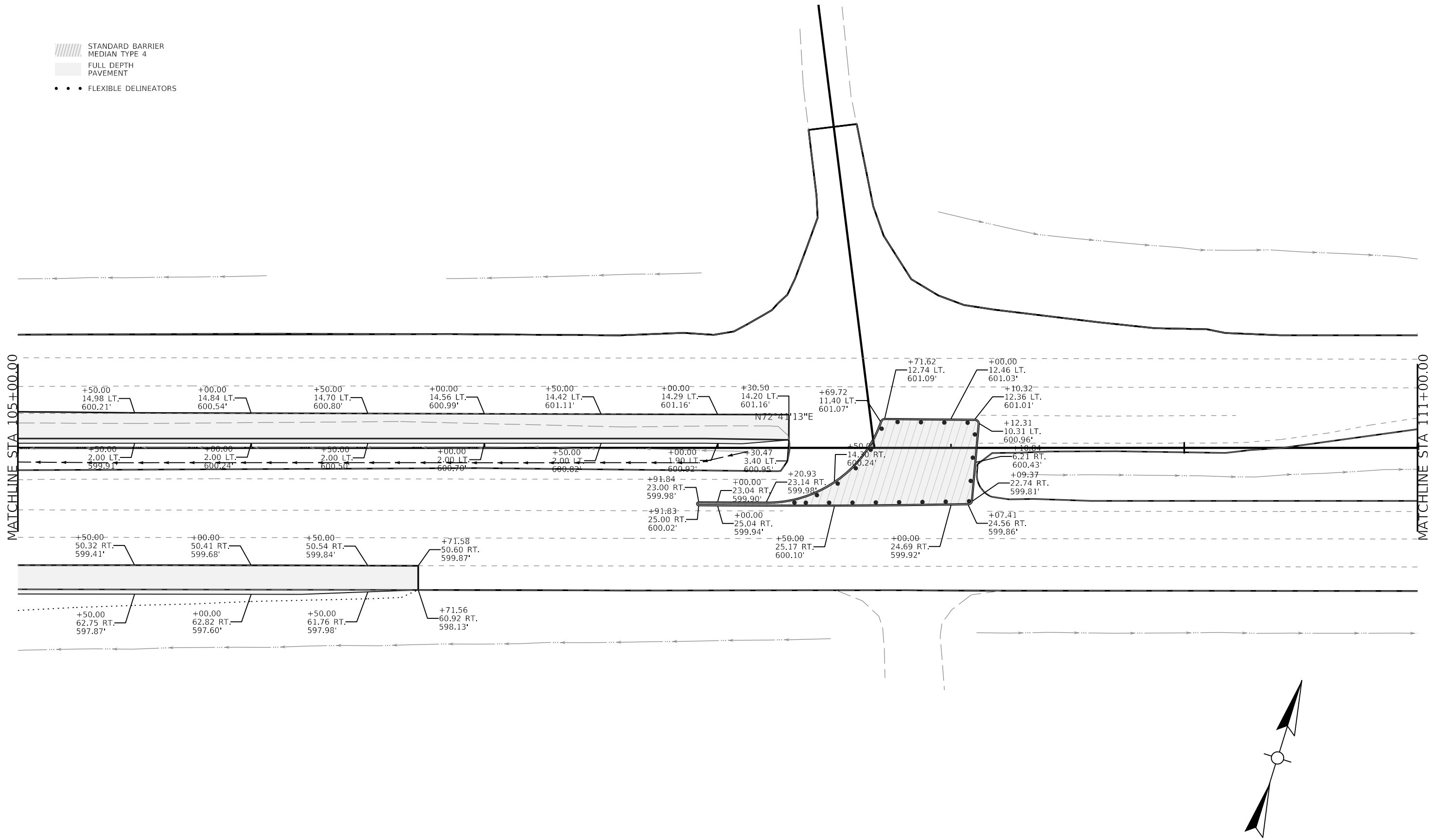
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E 4680316.747



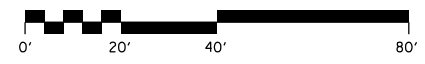
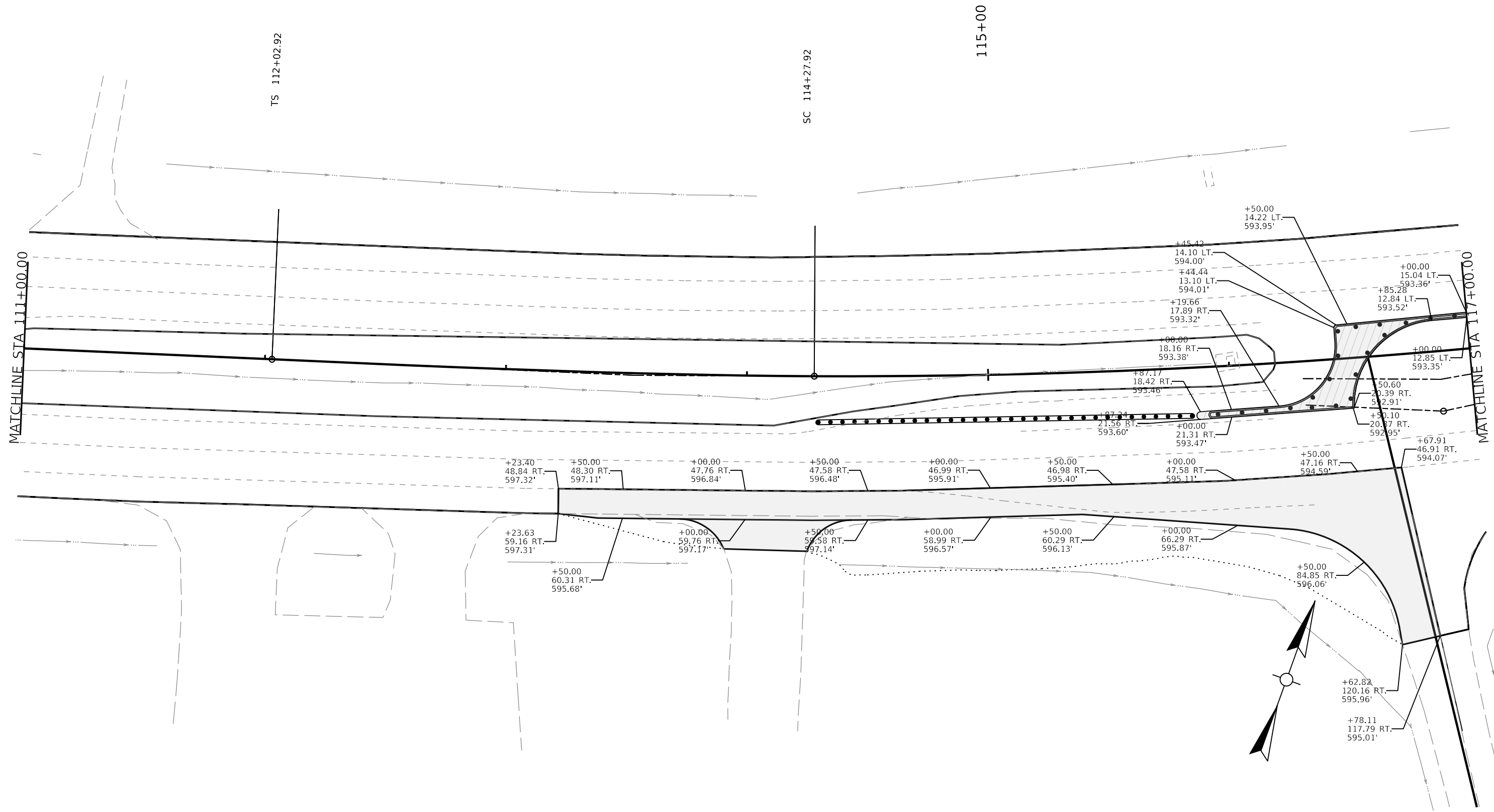
MATCHLINE STA 105+00.00



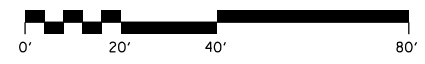
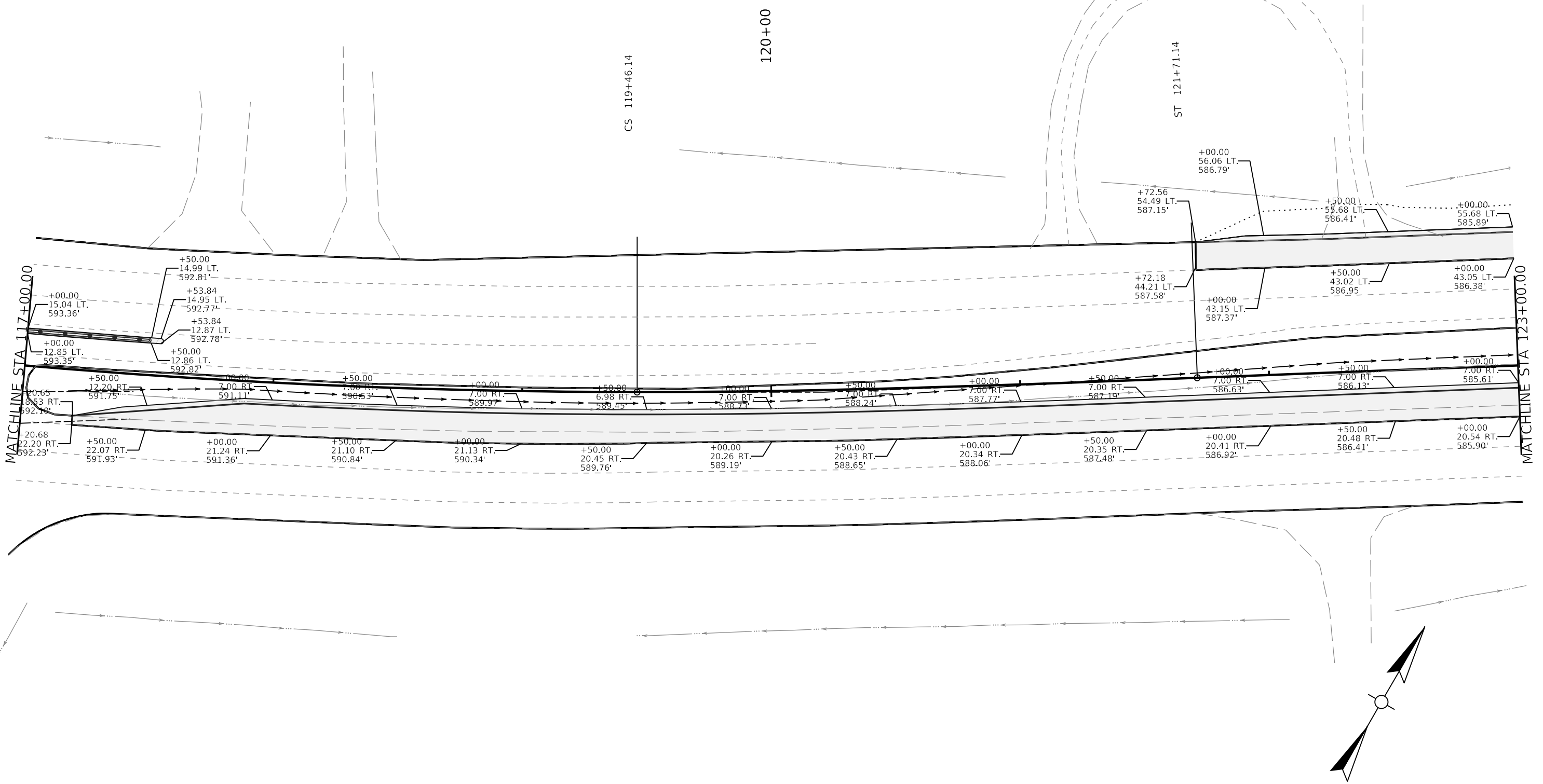
-  STANDARD BARRIER
MEDIAN TYPE 4
-  FULL DEPTH
PAVEMENT
-  FLEXIBLE DELINEATORS



-  STANDARD BARRIER
MEDIAN TYPE 4
-  FULL DEPTH
PAVEMENT
-  FLEXIBLE DELINEATORS

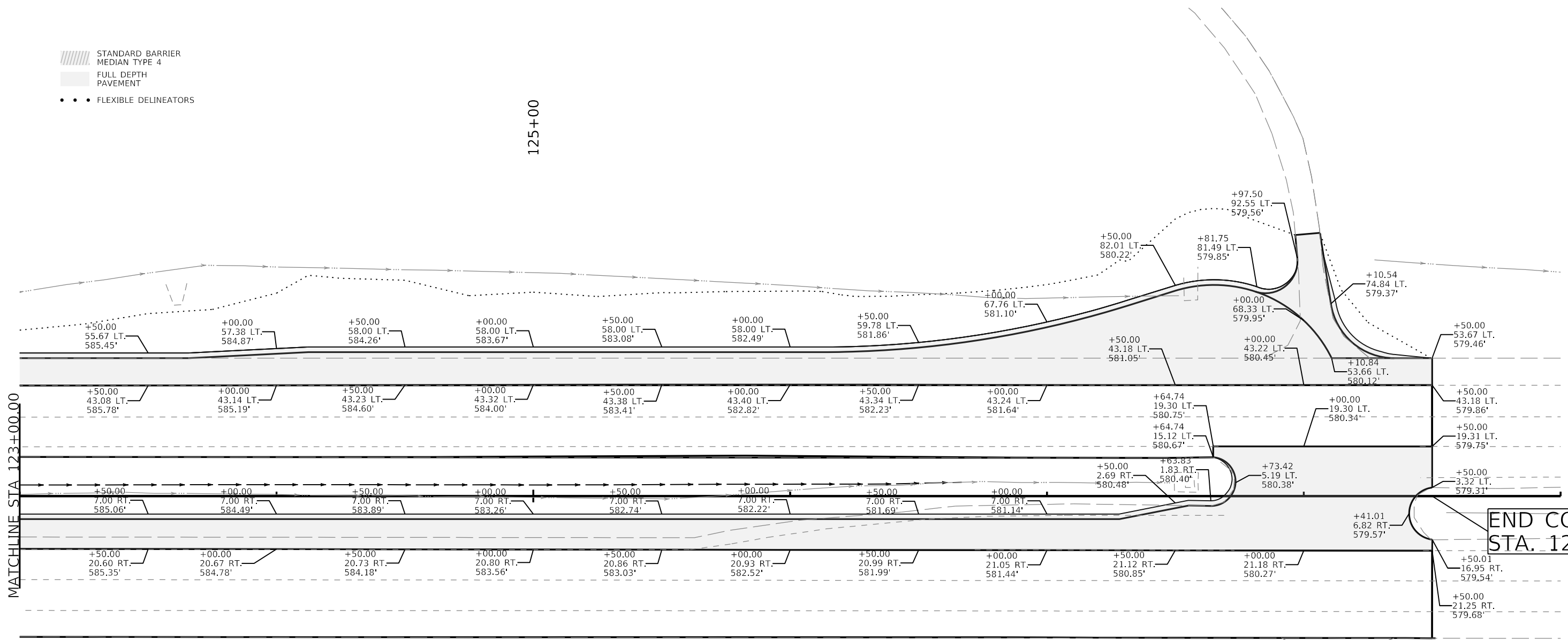


- STANDARD BARRIER
MEDIAN TYPE 4
- FULL DEPTH
PAVEMENT
- FLEXIBLE DELINEATORS



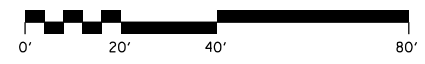
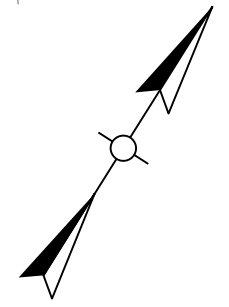
- STANDARD BARRIER MEDIAN TYPE 4
- FULL DEPTH PAVEMENT
- FLEXIBLE DELINEATORS

125+00

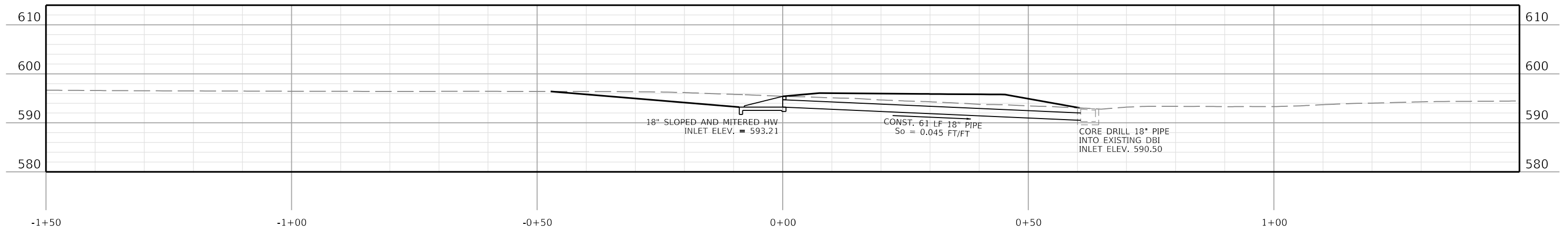


MATCHLINE STA 123+00.00

END CONST.
STA. 128+50



PIPE DRAINAGE SHEET 1 OF 1										
CULVERT PIPE					MAX COVER HEIGHT	DESIGN PH LEVEL		SLOPED AND MITERED HEADWALL 18 IN		
		18"								
LINEAR FEET					FT			EACH		
61					3.1			1		



STA 101+12
@ 78°08'21" SKEW LT.

GEOMETRIC DATA - US 68			
NAME	Station	Northing (Y)	EASTING (X)
POB	63+71.52	3491122.89	4677290.39
TS	94+17.72	3492805.70	4679829.58
SC	96+42.72	3492927.52	4680018.73
PI	99+36.77	3493080.22	4680270.02
CS	102+28.76	3493178.68	4680547.09
ST	104+53.76	3493248.44	4680760.99
TS	112+02.92	3493471.38	4681476.21
SC	114+27.92	3493541.14	4681690.10
PI	116+87.74	3493628.14	4681934.93
CS	119+46.14	3493757.76	4682160.10
ST	121+71.14	3493875.08	4682352.08
POE	146+47.40	3495193.79	4684447.99

GEOMETRIC DATA - KY 242			
NAME	Station	Northing (Y)	EASTING (X)
POB	49+90.51	3493626.64	4681903.22
POE	55+60.87	3493150.82	4682217.72

GEOMETRIC DATA - ROCKFIELD BROWNING ROAD			
NAME	Station	Northing (Y)	EASTING (X)
POB	43+73.60	3493972.25	4681077.30
PC	46+22.80	3493724.62	4681049.37
PI	47+19.65	3493628.38	4681038.51
PT	48+11.77	3493540.25	4681078.67
POE	49+97.28	3493371.44	4681155.60



PI STA 47+19.65
 $\Delta = 30^{\circ}56'07''$ LT
 T = 96.85'
 L = 188.97'
 R = 350.00'
 E = 13.15'

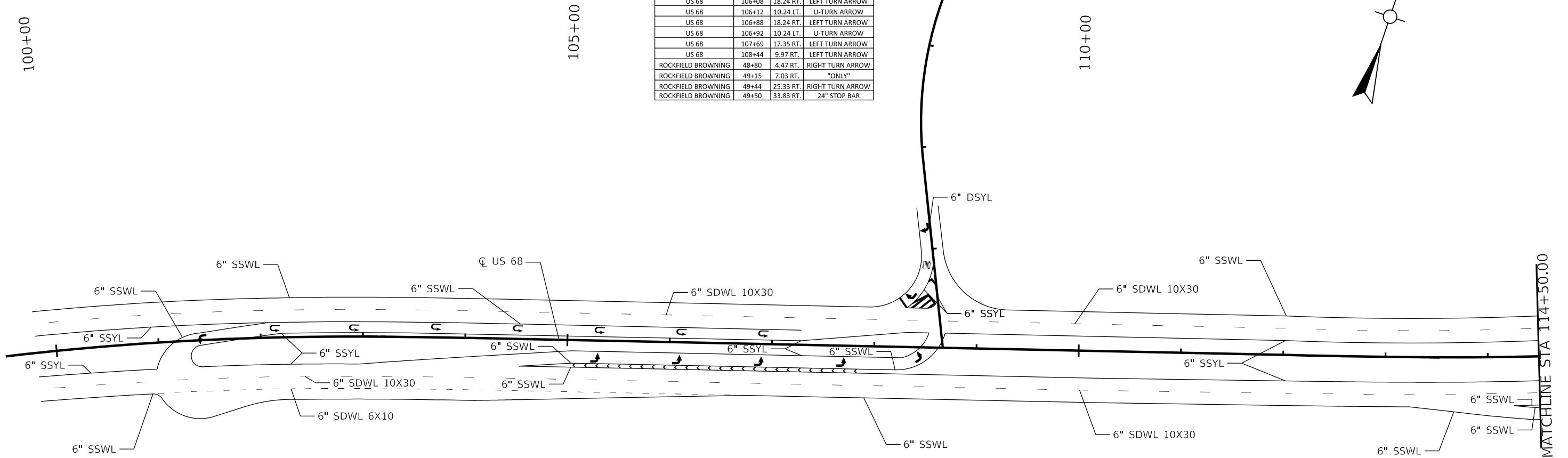
PI STA 99+36.77
 $\Delta = 11^{\circ}43'15''$ RT
 T = 294.05'
 L = 586.04'
 R = 2864.79'
 E = 15.05'

PI STA 116+87.74
 $\Delta = 10^{\circ}21'52''$ LT
 T = 259.82'
 L = 518.22'
 R = 2864.79'
 E = 11.76'



6" SSWL - 6" SINGLE SOLID WHITE LINE
 6" SSYL - 6" SINGLE SOLID YELLOW LINE
 6" SDWL 6X10 - 6" SINGLE DASHED WHITE LINE 6X10 SPACING
 6" SDWL 10X30 - 6" SINGLE DASHED WHITE LINE 10X30 SPACING
 6" DSYL - 6" DOUBLE SOLID YELLOW LINE

THERMOPLASTIC MARKINGS			
ALIGNMENT	STATION	OFFSET	DESCRIPTION
US 68	101+42	2.14 LT.	LEFT TURN ARROW
US 68	102+14	9.22 LT.	U-TURN ARROW
US 68	102+92	8.78 LT.	U-TURN ARROW
US 68	103+72	10.29 LT.	U-TURN ARROW
US 68	104+52	10.24 LT.	U-TURN ARROW
US 68	105+28	18.24 RT.	LEFT TURN ARROW
US 68	105+32	10.24 LT.	U-TURN ARROW
US 68	106+08	18.24 RT.	LEFT TURN ARROW
US 68	106+12	10.24 LT.	U-TURN ARROW
US 68	106+88	18.24 RT.	LEFT TURN ARROW
US 68	106+92	10.24 LT.	U-TURN ARROW
US 68	107+69	17.35 RT.	LEFT TURN ARROW
US 68	108+44	9.97 RT.	LEFT TURN ARROW
ROCKFIELD BROWNING	48+80	4.47 RT.	RIGHT TURN ARROW
ROCKFIELD BROWNING	49+15	7.03 RT.	"ONLY"
ROCKFIELD BROWNING	49+44	25.33 RT.	RIGHT TURN ARROW
ROCKFIELD BROWNING	49+50	33.83 RT.	24" STOP BAR



STRIPING TABLE							
ALIGNMENT	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	DESCRIPTION	UNIT	QUANTITY
US 68	99+80	22.69' RT.	100+97	25.80 RT.	6" SOLID YELLOW	LF	116
US 68	99+80	16.37' LT.	102+08	14.66 LT.	6" SOLID YELLOW	LF	229
US 68	101+32	15.99' RT.	108+40	0.00' LT.	6" SOLID YELLOW	LF	779
US 68	101+85	0.00' LT.	108+40	0.00' LT.	6" SOLID YELLOW	LF	665
US 68	107+91	26.54' RT.	116+52	23.38' RT.	6" SOLID YELLOW	LF	865
US 68	108+69	14.31' LT.	117+54	17.91' LT.	6" SOLID YELLOW	LF	883
US 68	116+66	23.11' RT.	127+73	0.00' RT.	6" SOLID YELLOW	LF	1141
US 68	116+81	0.00' LT.	127+73	0.00' LT.	6" SOLID YELLOW	LF	1109
US 68	127+64	21.14' RT.	128+50	21.25' RT.	6" SOLID YELLOW	LF	87
US 68	128+13	19.30' LT.	128+50	19.29' LT.	6" SOLID YELLOW	LF	37
ROCKFIELD BROWNING RD	49+12	0.00 RT.	49+55	31.10 RT.	6" SOLID YELLOW	LF	128
KY 242	50+43	38.83' LT.	50+99	0.00 LT.	6" SOLID YELLOW	LF	162
TOTAL							6201
US 68	99+80	47.68' RT.	116+63	120.15' RT.	6" SOLID WHITE	LF	1723
US 68	99+80	40.37' LT.	108+39	136.34' LT.	6" SOLID WHITE	LF	947
US 68	100+97	25.80' RT.	107+29	14.40' RT.	6" SOLID WHITE	LF	646
US 68	104+53	26.54' RT.	108+69	14.31' LT.	6" SOLID WHITE	LF	434
US 68	104+53	26.54' RT.	107+91	26.54' RT.	6" SOLID WHITE	LF	338
US 68	108+98	188.80' LT.	128+50	43.18' LT.	6" SOLID WHITE	LF	2067
US 68	114+25	47.77' RT.	116+53	60.28' RT.	6" SOLID WHITE	LF	476
US 68	116+52	23.38' RT.	118+72	18.02' LT.	6" SOLID WHITE	LF	241
US 68	116+90	116.07' RT.	128+50	45.00' RT.	6" SOLID WHITE	LF	1215
US 68	117+54	17.91' LT.	120+26	17.66' LT.	6" SOLID WHITE	LF	271
US 68	117+96	21.28' RT.	127+64	21.14' RT.	6" SOLID WHITE	LF	970
US 68	126+67	21.01' RT.	128+13	19.24' LT.	6" SOLID WHITE	LF	164
TOTAL							9492

STRIPING TABLE							
ALIGNMENT	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	DESCRIPTION	UNIT	QUANTITY
ROCKFIELD BROWNING RD	48+58	0.00 RT.	19+12	0.00 RT.	6" DOUBLE SOLID YELLOW	LF	53
KY 242	50+99	0.00 RT.	51+10	0.00 RT.	6" DOUBLE SOLID YELLOW	LF	11
TOTAL							64
US 68	100+91	49.73' RT.	106+72	50.53' RT.	6" DASHED WHITE 6X10	LF	576
US 68	121+72	43.31' LT.	128+21	43.23' LT.	6" DASHED WHITE 6X10	LF	642
TOTAL							1218
US 68	99+80	35.69 RT.	128+50	33.23 RT.	6" DASHED WHITE 10X30	LF	2870
US 68	99+80	28.37 LT.	128+50	30.87 LT.	6" DASHED WHITE 10X30	LF	2870
TOTAL							5740



COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS



DRAWING TITLE: STRIPING PLANS

HORIZONTAL SCALE
 SCALE: 1"=50'

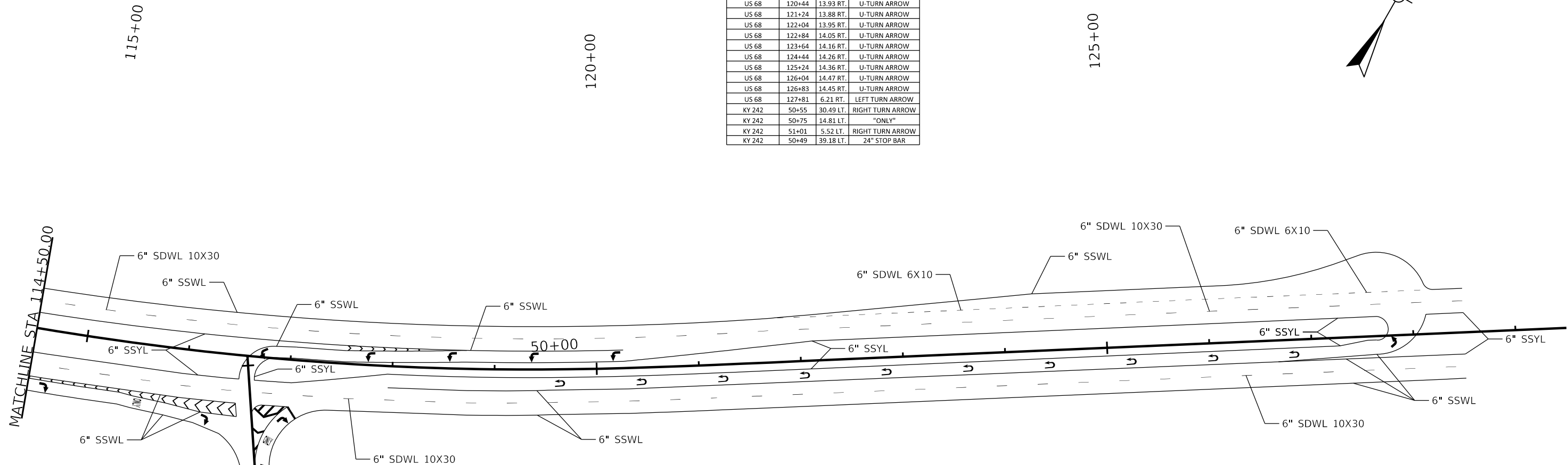
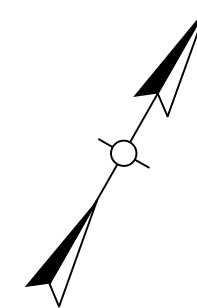


STA 99+80 TO 114+50

ITEM NO.
 03-939.00
 COUNTY OF
 WARREN
 SHEET NO.
 R20

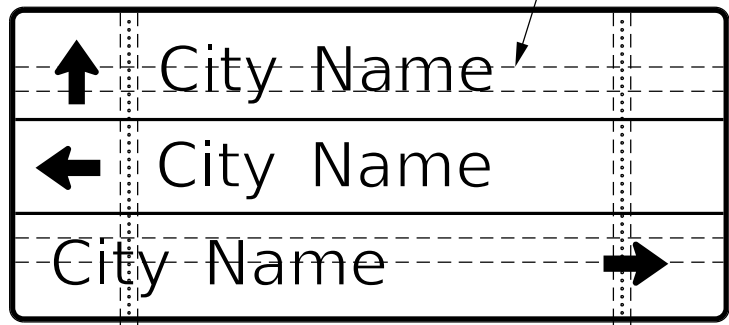
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THERMOPLASTIC MARKINGS			
ALIGNMENT	STATION	OFFSET	DESCRIPTION
US 68	114+66	55.41 RT.	RIGHT TURN ARROW
US 68	115+56	58.67 RT.	"ONLY"
US 68	116+23	65.71 RT.	RIGHT TURN ARROW
US 68	116+73	4.24 LT.	LEFT TURN ARROW
US 68	117+77	9.24 LT.	LEFT TURN ARROW
US 68	118+57	12.58 LT.	LEFT TURN ARROW
US 68	119+38	13.14 LT.	LEFT TURN ARROW
US 68	119+64	13.68 RT.	U-TURN ARROW
US 68	120+18	13.26 LT.	LEFT TURN ARROW
US 68	120+44	13.93 RT.	U-TURN ARROW
US 68	121+24	13.88 RT.	U-TURN ARROW
US 68	122+04	13.95 RT.	U-TURN ARROW
US 68	122+84	14.05 RT.	U-TURN ARROW
US 68	123+64	14.16 RT.	U-TURN ARROW
US 68	124+44	14.26 RT.	U-TURN ARROW
US 68	125+24	14.36 RT.	U-TURN ARROW
US 68	126+04	14.47 RT.	U-TURN ARROW
US 68	126+83	14.45 RT.	U-TURN ARROW
US 68	127+81	6.21 RT.	LEFT TURN ARROW
KY 242	50+55	30.49 LT.	RIGHT TURN ARROW
KY 242	50+75	14.81 LT.	"ONLY"
KY 242	51+01	5.52 LT.	RIGHT TURN ARROW
KY 242	50+49	39.18 LT.	24" STOP BAR



STRIPING TABLE							
ALIGNMENT	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	DESCRIPTION	UNIT	QUANTITY
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TOTAL							5740

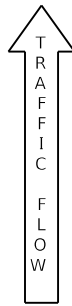


SEE SHEETING SIGN DETAIL SHEET 2 OF 2 FOR BRACING REQUIREMENTS

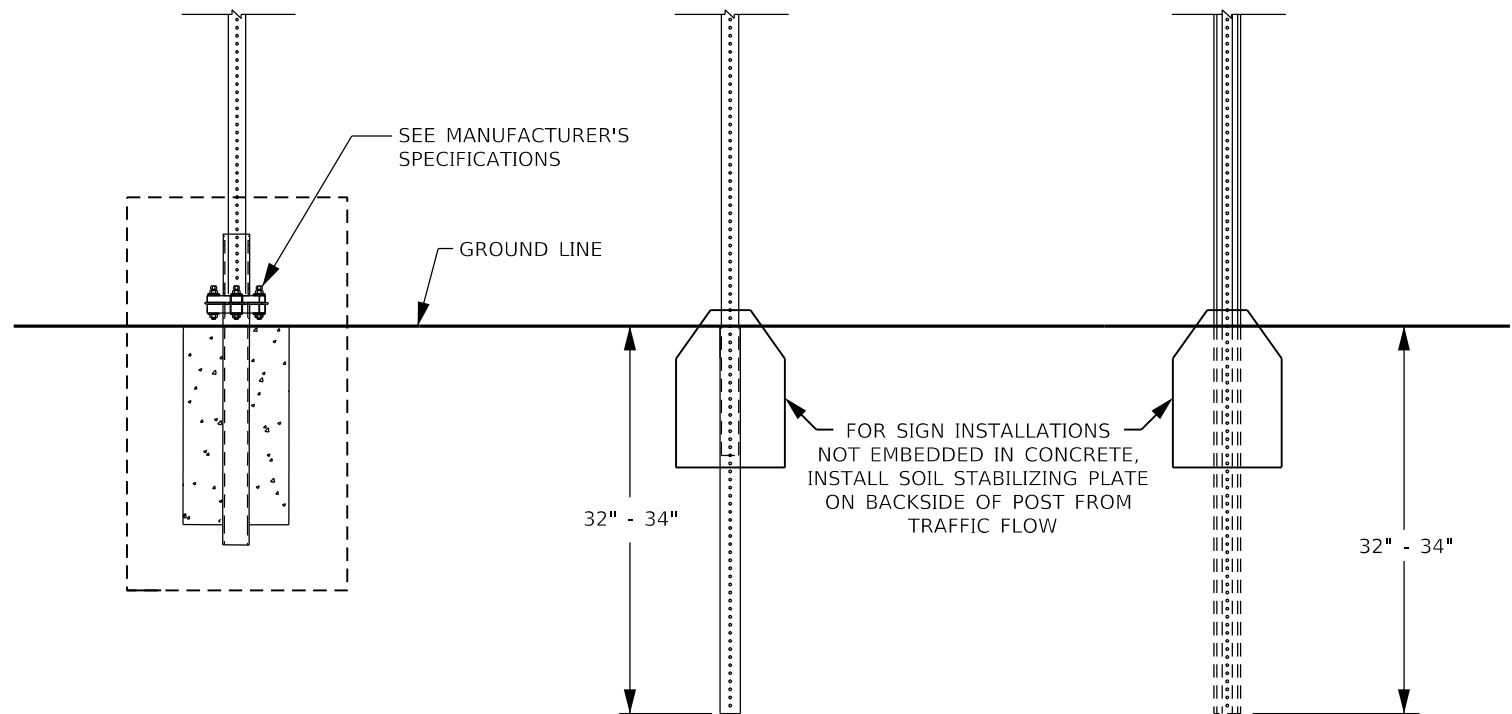
NOTE: SEE SIGN DETAIL SHEETS FOR QUANTITY, LENGTH, SIZE AND GAUGE OF TYPE I POSTS

PLAN VIEW
NOT TO SCALE

PLAN VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

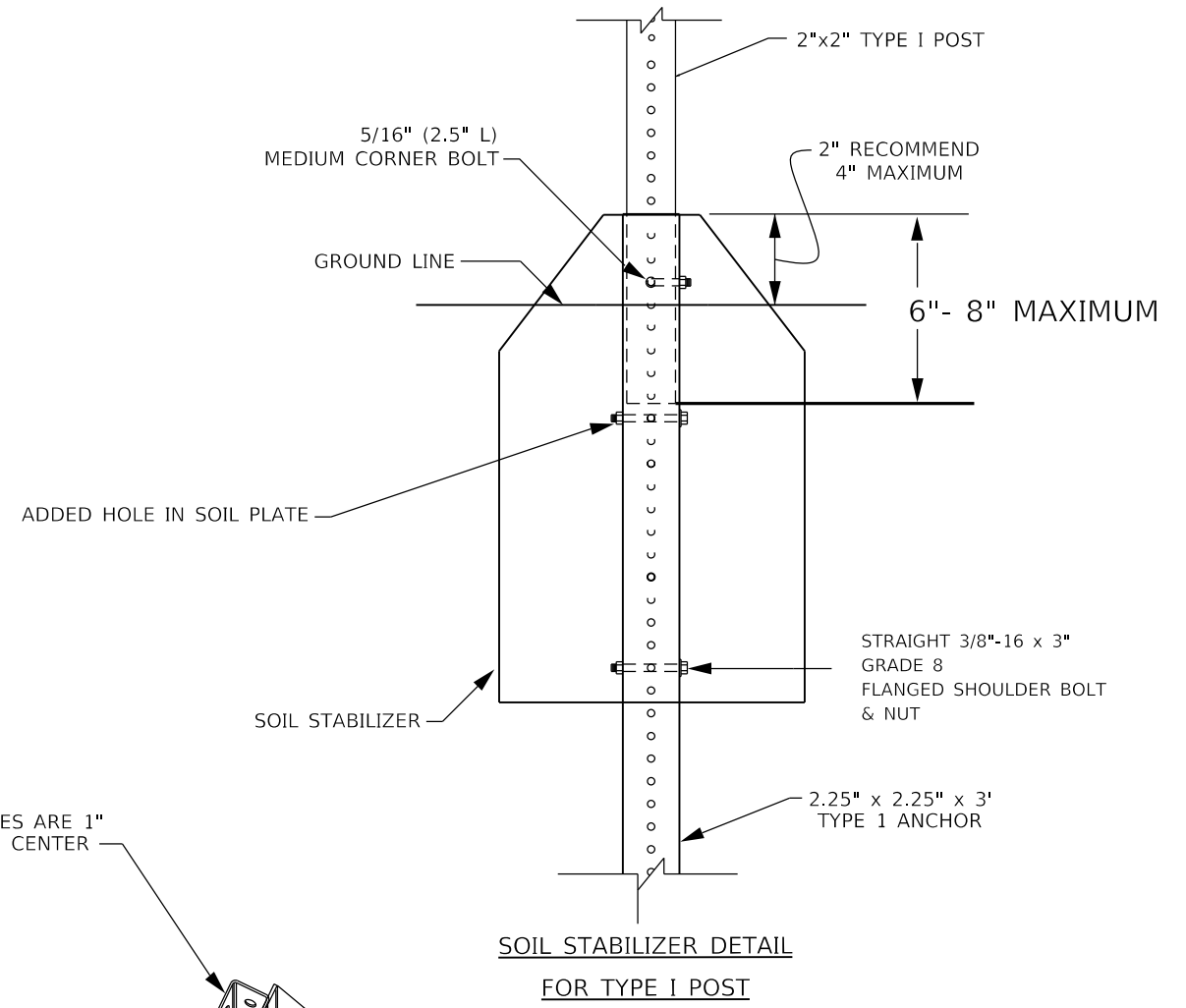


TYPE I
SQUARE TUBING POST
WITH TYPE "D" SUPPORT

TYPE I
SQUARE TUBING POST
WITH SOIL STABILIZER

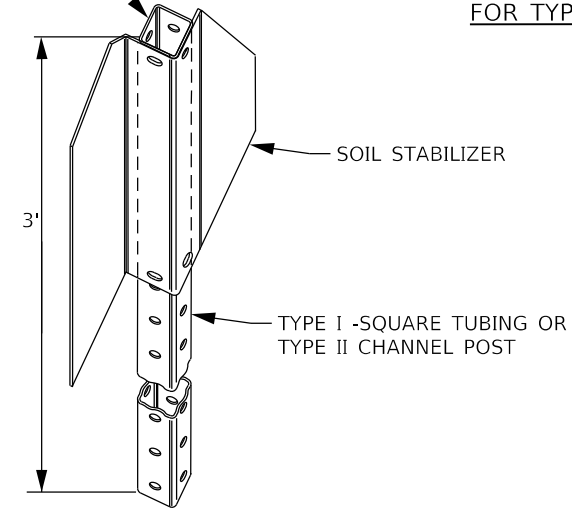
TYPE II
CHANNEL POST
WITH SOIL STABILIZER

FOR SIGN INSTALLATIONS NOT EMBEDDED IN CONCRETE, INSTALL SOIL STABILIZING PLATE ON BACKSIDE OF POST FROM TRAFFIC FLOW

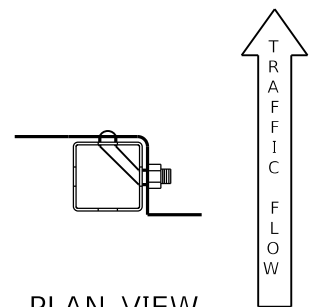


SOIL STABILIZER DETAIL
FOR TYPE I POST

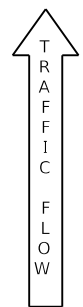
HOLES ARE 1" ON CENTER



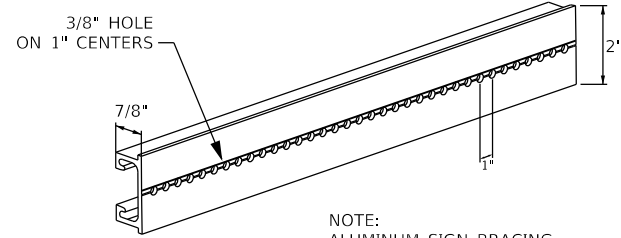
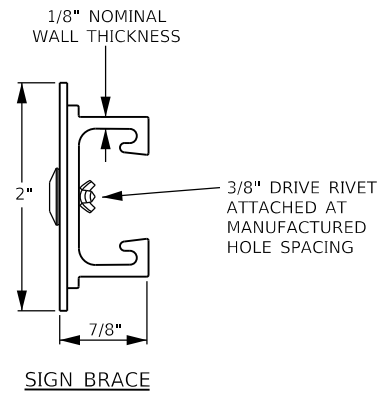
SOIL STABILIZER DETAIL



PLAN VIEW
NOT TO SCALE

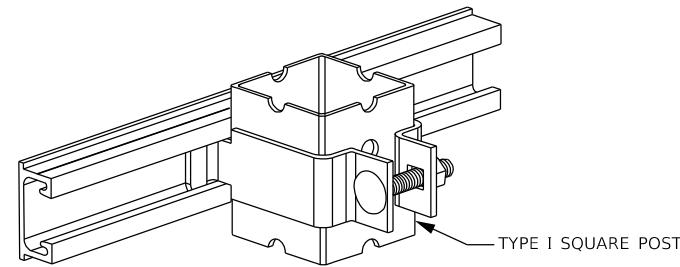


NOT TO SCALE



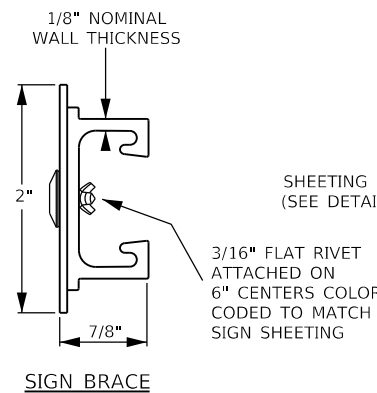
NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS

6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/8" DIAMETER HOLES ON 1" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING 3/8" DRIVE RIVETS

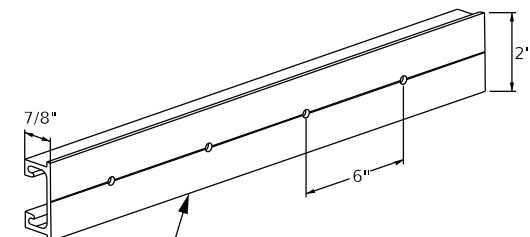


SQUARE POST CLAMP & BRACE

FOR ATTACHMENT OF SIGNS LESS THAN 72" IN WIDTH USING MANUFACTURED 3/8" HOLES ACCORDING TO 2004 STANDARD HIGHWAY SIGNS BLANK STANDARDS PGS 7-1 THRU 7-6

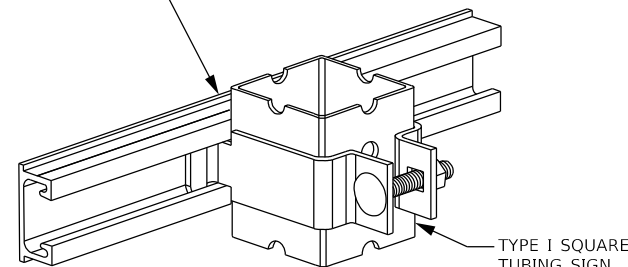


SHEETING SIGN BRACING (SEE DETAIL THIS SHEET)



NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS

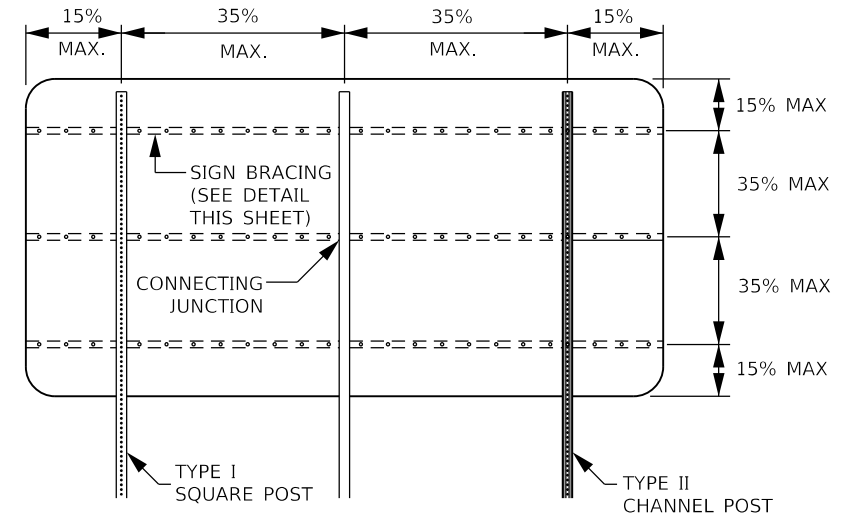
6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/16" DIAMETER HOLES ON 6" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING RIVETS



SQUARE POST CLAMP & BRACE

FOR ATTACHMENT OF SIGNS GREATER THAN, OR EQUAL TO, 72" IN WIDTH.

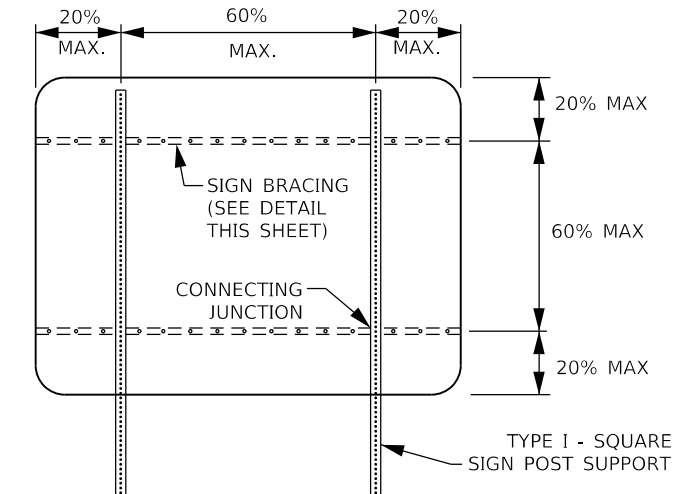
RIVETS SHALL BE COLOR CODED TO MATCH SHEETING IN ORDER TO MINIMIZE GLARE FROM RIVETS



3 POST - BRACING DIAGRAM

NOTE:
1. MAXIMUM AREA PER CONNECTING JUNCTION = 16 SQ. FT.

2. BRACING SHOULD NOT BE SPLICED WITHIN 6" OF A BRACE TO POST JUNCTION.



2 POST - BRACING DIAGRAM

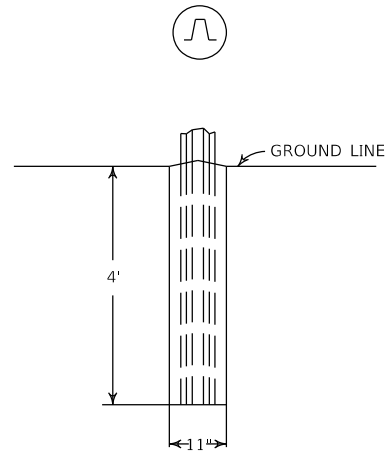
NOTE:
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.

NOT TO SCALE

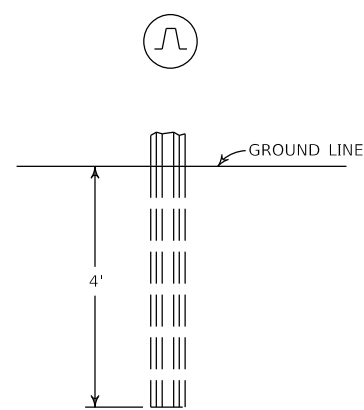


CHANNEL POST DETAILS

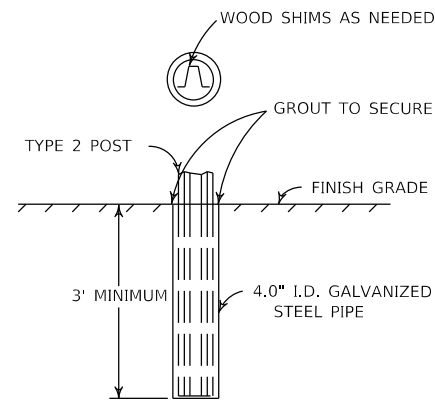
TYPE "B" CONCRETE BASE



TYPE "C" DRIVEN BASE

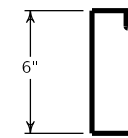


TYPE "D" PIPE BASE

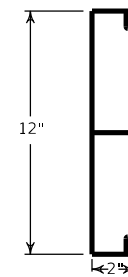


THE COST FOR 4.0" I.D. GALVANIZED STEEL PIPE FOR TYPE "D" BASE AND THE WORK FOR THE INSTALLATION SHALL BE INCLUDED IN THE BID ITEM FOR STEEL POST TYPE 2.

PANEL DETAILS



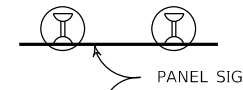
MINIMUM WEIGHT PER LINEAR FOOT
6" PANEL - 1.115 LBS.
12" PANEL - 2.485 LBS.



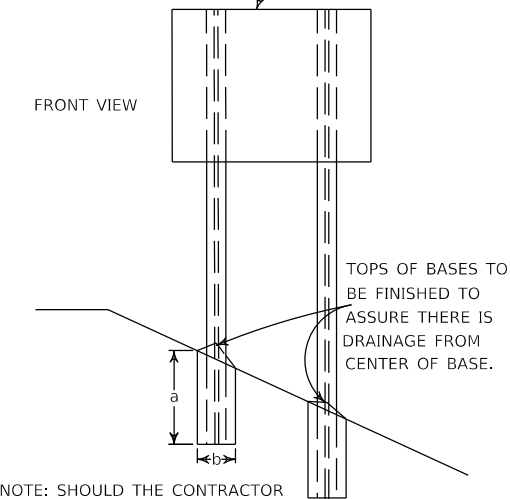
TYPICAL SECTIONS
ALUMINUM SIGN PANEL EXTRUSIONS

TYPICAL BEAM WITH TYPE "A" CONCRETE BASE DETAIL

TOP VIEW

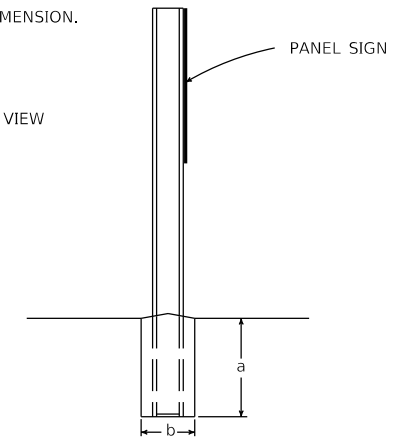


FRONT VIEW



NOTE: SHOULD THE CONTRACTOR OVERDRILL THE HOLE, EXTRA CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE. PAYMENT WILL BE DETERMINED BY THE "a" DIMENSION.

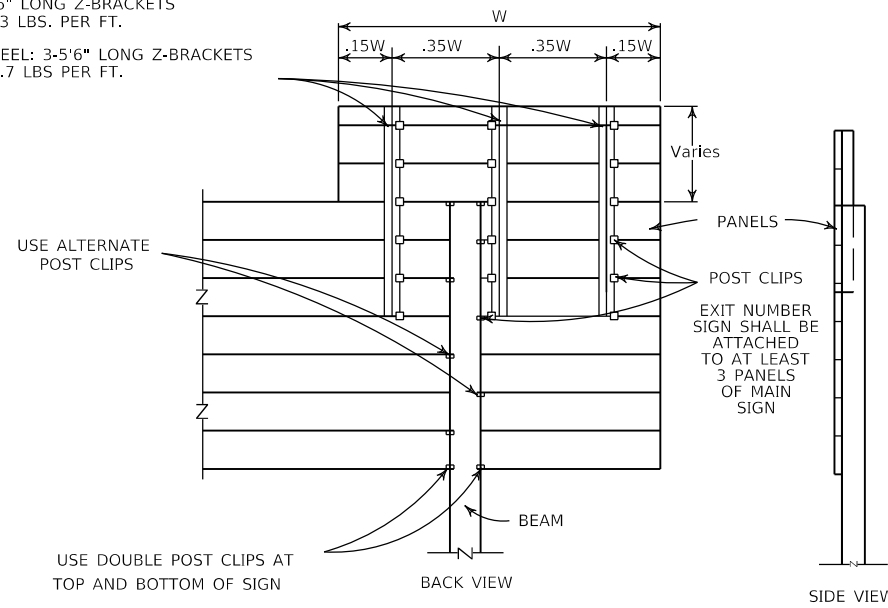
SIDE VIEW



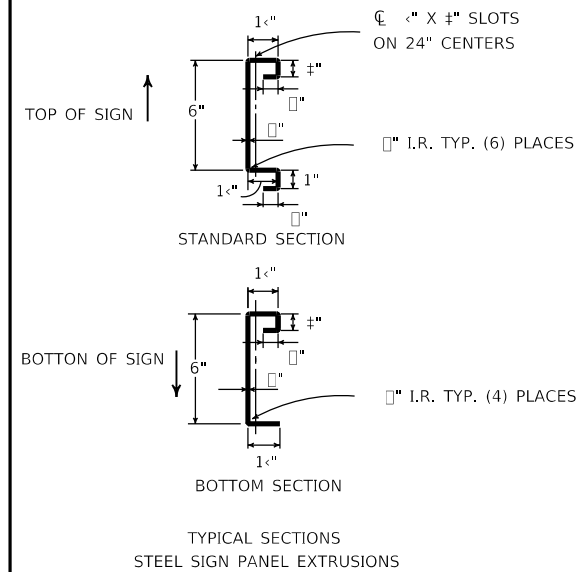
NOT TO SCALE

DETAIL FOR EXIT NUMBER SIGN ATTACHMENT AND TYPICAL POST CLIP ARRANGEMENT

ALUMINUM: 3-5'6" LONG Z-BRACKETS
3" X 2" @ 2.33 LBS. PER FT.
OR
GALVANIZED STEEL: 3-5'6" LONG Z-BRACKETS
3" X 2 1/2" @ 6.7 LBS PER FT.



NOTE: THE COST FOR ATTACHING AN EXIT NUMBER SIGN SHALL BE INCLUDED IN THE BID ITEM FOR SIGN BASE MATERIAL FOR PANEL SIGNS AND SHALL INCLUDE ALL Z-BRACKETS AND HARDWARE. THE EXIT NUMBER SIGN SHALL BE INSTALLED OVER THE LEFT OR RIGHT SIDE OF THE SIGN AS SHOWN ON THE PLANS.



TYPICAL SECTIONS
STEEL SIGN PANEL EXTRUSIONS



SIGNING SPECIFICATION NOTES

THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION)
STANDARD HIGHWAY SIGNS AND MARKINGS (CURRENT EDITION) - FEDERAL HIGHWAY ADMINISTRATION
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) - FEDERAL HIGHWAY ADMINISTRATION

SCOPE OF WORK

TO FURNISH, FABRICATE AND ERECT IN PLACE ALL MATERIALS NECESSARY TO FORM COMPLETED SIGNS AS INDICATED AT LOCATIONS DESCRIBED ELSEWHERE IN THESE PLANS. NEW SIGNS ARE TO BE INSTALLED AT EXISTING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

SIGN SUBSTRATES

SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. PANEL SIGNS SHALL BE LABELED AS P-#. SHEETING SIGNS SHALL BE LABELED AS S-#.

SIGN MATERIALS

SIGN SHEETING:

SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED.

ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

PERMANENT SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE XI SHEETING:

THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW SHEETING:

- HORIZONTAL ALIGNMENT SIGNS AND PLAQUES
- ALL ADVISORY SPEED PLAQUES
- WARNING MESSAGES ON PANEL SIGNS

THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW-GREEN SHEETING:

- ALL SCHOOL AND SCHOOL BUS WARNING SIGNS.
- BICYCLE WARNING SIGNS AND "SHARE THE ROAD" PLAQUES OR DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT BICYCLE WARNING SIGNS.
- PEDESTRIAN WARNING SIGNS AND DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS
- IN-STREET PEDESTRIAN CROSSING (R1-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (R1-9) SIGNS
- SUPPLEMENTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE

ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE XI SHEETING.

LETTERS, SYMBOLS, AND BORDERS:

LETTERS, SYMBOLS AND BORDERS ARE TO BE APPLIED TO THE SIGN FACE USING THE "DIRECT APPLIED" METHOD.

PANEL OVERLAY SECTIONS SHALL BE AFFIXED WITH A "POP" RIVET WITH A MINIMUM DIAMETER OF 3/16 INCH, AND THE LENGTH SHALL BE AS NECESSARY TO PROPERLY APPLY COPY IN A WORKMANLIKE MANNER.

HARDWARE:

ALL HARDWARE FOR THE ASSEMBLY OF PANEL SIGNS AND THE ATTACHMENT OF THESE SIGNS TO THEIR SUPPORTS SHALL BE AS RECOMMENDED BY THE PANEL MANUFACTURER. PLACEMENT OF POST CLIP SHALL BE AS SHOWN ON THE SIGNING MISCELLANEOUS DETAIL SHEET.

ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM B-776 AND ASTM A-307.

FONTS:

CLEARVIEW 5-W SHALL BE USED FOR PLACE NAMES AND DESTINATIONS COMPRISED OF A MIX OF UPPER AND LOWER CASE LETTERS. STANDARD ALPHABETS SHALL BE USED FOR ALL OTHER TEXT ON PANEL GUIDE SIGNS.

GROUND-MOUNTED SIGN SUPPORTS

GENERAL:

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL BEAMS AND POSTS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT. EXISTING I-BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE I OR TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.

BEAMS:

ALL BEAMS SHALL BE EITHER TYPE "A" (STANDARD BEAM INSTALLATION) OR TYPE "C" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). TYPE "A" BEAMS ARE SHOWN ON THE PANEL SIGN DETAIL SHEET, AND THE TYPE "C" BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM FOR "C" BEAM SHEET. ONLY BREAKAWAY (TYPE "C") BEAM SUPPORT SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. THE TYPE AND SIZE OF BEAM TO BE USED SHALL BE INDICATED FOR EACH PANEL SIGN ON THE SIGN DETAIL SHEETS. BEAM LENGTHS INCLUDED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT EACH SIGN LOCATION AND CROSS SECTIONS SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS, WITH ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

STEEL POSTS:

TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, OR TYPE "D" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE "D" POST SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST.

TYPE II POST SHALL BE STANDARD INSTALLATION IN SOIL WITH A SOIL STABILIZER. INSTALLATION PROCEDURES AND BRACING REQUIREMENTS ARE DETAILED ON THE SHEETING SIGN DETAIL SHEET.

ALL STEEL POSTS SHALL MEET THE REQUIREMENTS OF SECTION 832 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MILEPOST MARKERS AND ENHANCED REFERENCE MARKERS

MILEPOST MARKERS AND ENHANCED REFERENCE LOCATION SIGNS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). ADDITIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET AND ENHANCED REFERENCE LOCATION SIGNS DETAIL SHEET.

FOR THE LOUISVILLE AREA, FINAL LOCATION OF ENHANCED REFERENCE LOCATION SIGNS SHALL BE VERIFIED BY TRIMARC. NOTIFY A REPRESENTATIVE OF TRIMARC AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM:

901 WEST MAIN STREET
LOUISVILLE, KY 40202
502-587-6624
270-307-7456

MEDIAN Crossover SIGNS

THE CONTRACTOR SHALL INSTALL 48" X 48", "NO U TURN" SIGNS (R3-4) AT EACH MEDIAN CROSSOVER. THIS IS TO BE DONE WHETHER ALL NEEDED INSTALLATIONS ARE MENTIONED IN THE FOLLOWING SHEETS OR NOT. AT CROSSOVERS ON MEDIANS SIXTY FEET (60') WIDE OR LESS, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS AT THE MEDIAN SHOULDER ON THE FAR SIDE OF THE CROSSOVER, ONE FACING TRAFFIC IN EACH DIRECTION. FOR ADDITIONAL GUIDANCE, SEE SEPIA DRAWING FOR FLEXIBLE DELINEATOR POST ARRANGEMENT FOR INTERCHANGE RAMP AND CROSSOVERS.

CONCRETE BASES

ALL CONCRETE BASES SHALL BE OF CLASS "A" CONCRETE FOR SIGNS AND SHALL BE AS SHOWN ELSEWHERE IN THESE PLANS. EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS IS INCIDENTAL TO THE COST OF CLASS "A" CONCRETE FOR SIGNS.

CONCRETE BASES (CONTINUED)

WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEEDED.

WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.

SAMPLES, TESTING, ETC.

BEFORE BEGINNING INSTALLATION, THE CONTRACTOR SHALL FURNISH TO THE PROJECT ENGINEER DRAWINGS, DESCRIPTIONS, MANUFACTURER'S CUTS ETC. FOR WRITTEN APPROVAL OF ALL MATERIALS TO BE USED. MILL TEST REPORTS FOR BEAMS, STEEL PANELS, AND EACH DIFFERENT GAUGE OF ALUMINUM OR STEEL SHEETING USED MUST BE SUBMITTED TO THE DIVISION OF CONSTRUCTION AND APPROVED PRIOR TO ERECTION.

MISCELLANEOUS

THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OR VISIBILITY OF SIGNS, SHALL BE INCIDENTAL TO THE CONTRACT.

SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

TYPE I AND II STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOLID ROCK IS ENCOUNTERED, THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEEDED AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.

REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.

INSTALLATION OF ADVISORY EXIT AND RAMP SPEED SIGNS (W13-2 AND W13-3) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ALL EXISTING SHEETING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED AND REPLACED WITH NEW SIGNS AND POSTS. SIGNS AND POSTS SHALL CONFORM TO CURRENT STANDARDS/SPECIFICATIONS. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, RELOCATING EXISTING SIGNS AND POSTS TO CONFORM TO THE SIGNING PLANS AND SPECIFICATIONS, AND ALL HARDWARE REQUIRED, SHALL BE INCIDENTAL TO THE PROJECT. IN ADDITION TO REPLACING ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLAN DETAIL SHEETS.

THE COST FOR SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.

DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT.

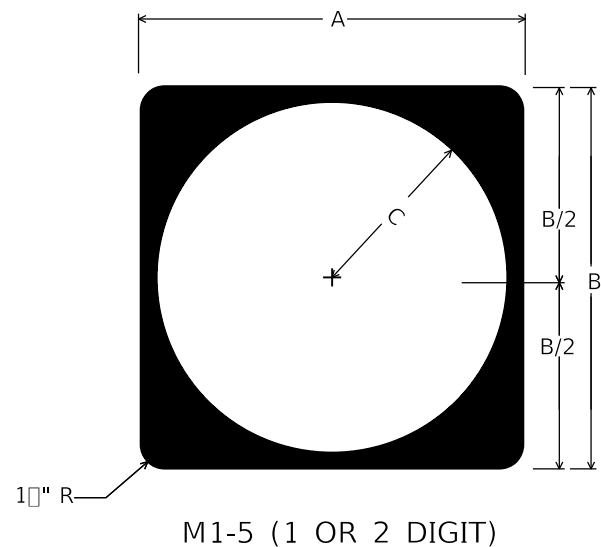
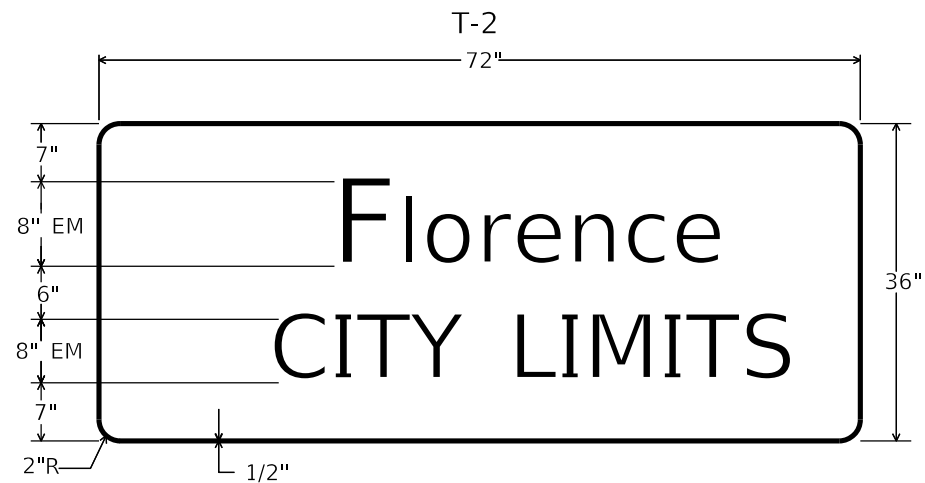
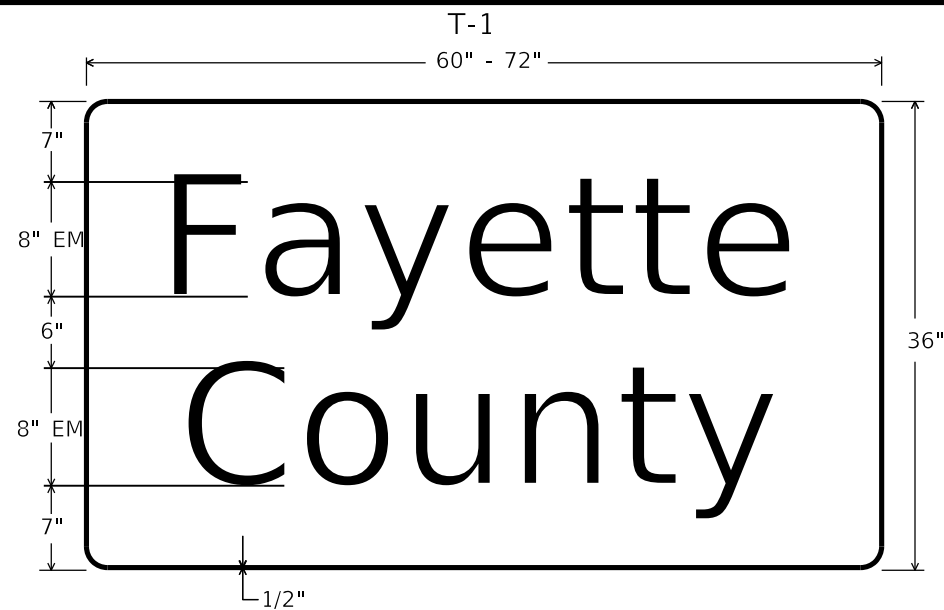
SHEETING SIGNS (D1-1, D1-2, D1-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.

THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN OR A MINIMUM OF 12' FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELLED WAY AS SHOWN IN THE SIGNING POSITIONING DETAIL SHEET.

IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED.

SIGNS THAT DO NOT COMPLY WITH THE MUTCD SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

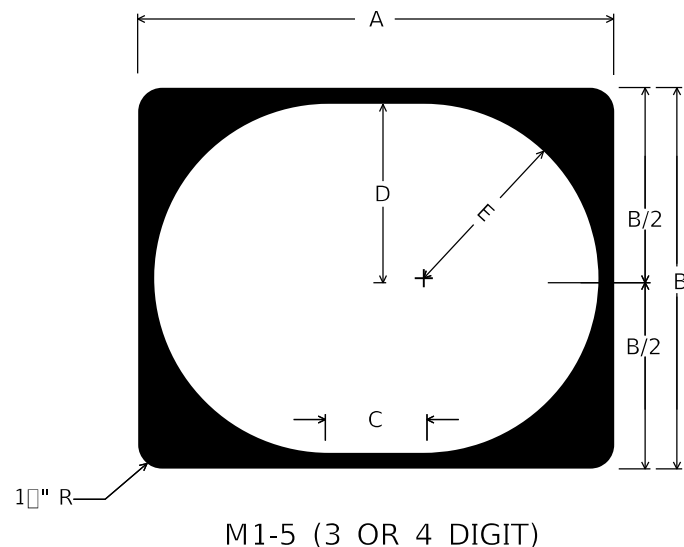




M1-5 (1 OR 2 DIGIT)

	A	B	C	FONT
CONVENTIONAL	24"	24"	11"	12D
EXPRESSWAY/ FREEWAY	36"	36"	17"	18D

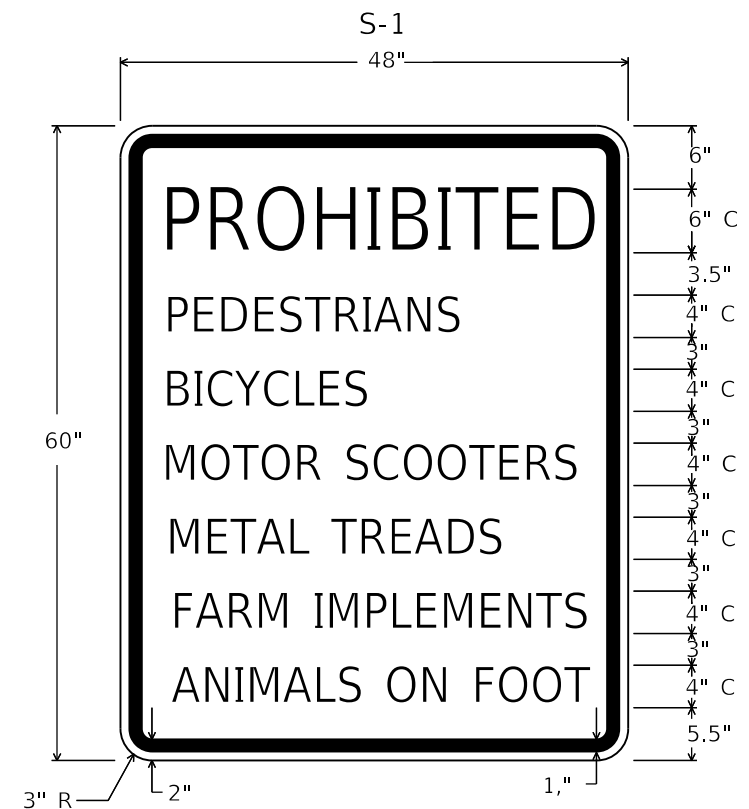
NOTE: FOR ROUTE MARKERS, IF NECESSARY, ADJUSTMENTS TO THE DIGIT LAYOUT AND/OR FONT TYPE MAY BE MADE TO ENSURE VISUAL ACUITY



M1-5 (3 OR 4 DIGIT)

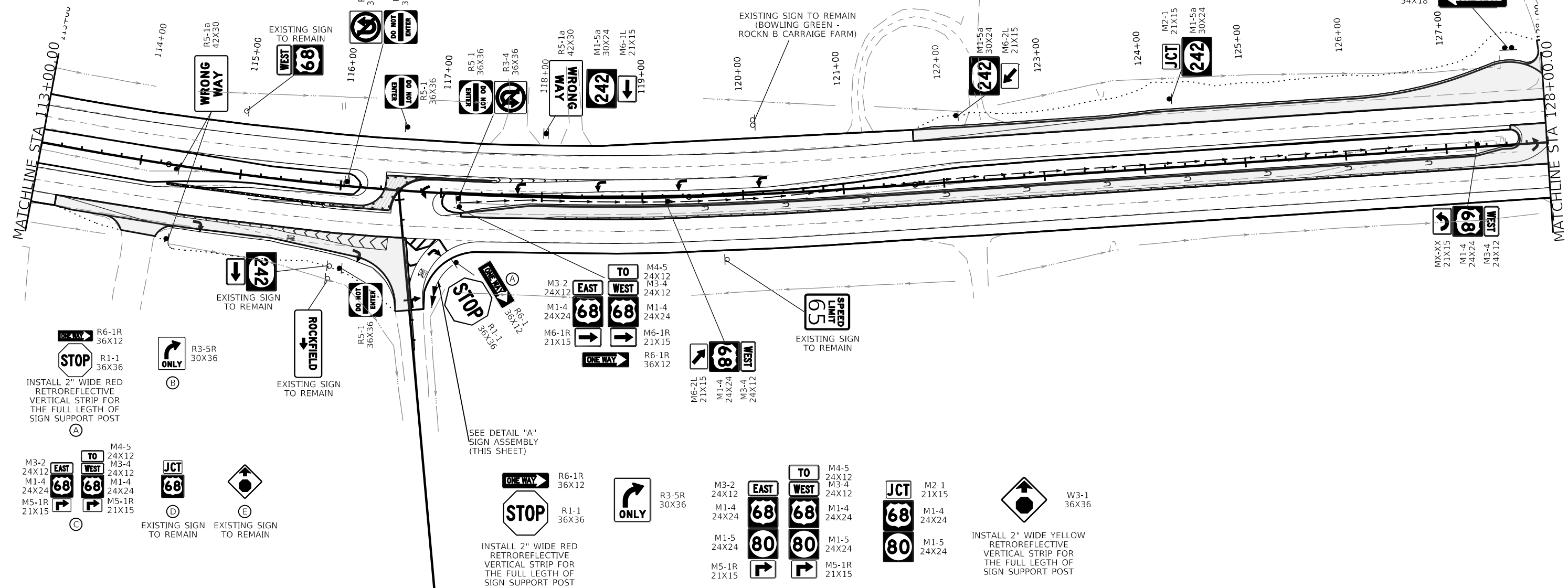
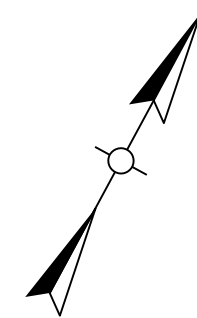
	A	B	C	D	E	FONT	
						3 DIGIT	4 DIGIT
CONVENTIONAL	30"	24"	6"	11"	11"	12D	12B
EXPRESSWAY/ FREEWAY	45"	36"	9"	16.5"	16.5"	18D	18B

NOTE: EXPRESSWAY/FREEWAY DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL OR FULL CONTROL OF ACCESS



NOT TO SCALE





R6-1R 36X12
R1-1 36X36
INSTALL 2" WIDE RED RETROREFLECTIVE VERTICAL STRIP FOR THE FULL LENGTH OF SIGN SUPPORT POST

M3-2 24X12
M1-4 24X24
M5-1R 21X15
M4-5 24X12
M3-4 24X12
M1-4 24X24
M5-1R 21X15

JCT 68
R3-5R 30X36
EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

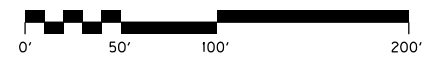
SEE DETAIL "A" SIGN ASSEMBLY (THIS SHEET)

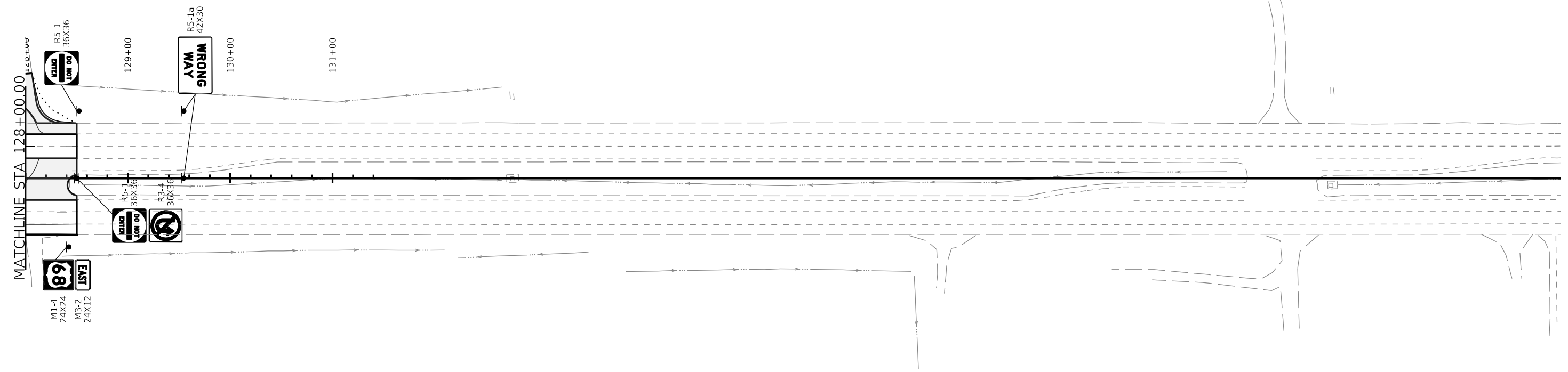
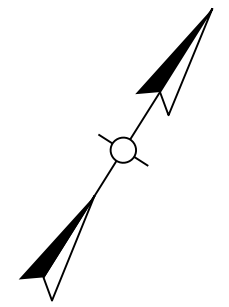
R6-1R 36X12
R1-1 36X36
INSTALL 2" WIDE RED RETROREFLECTIVE VERTICAL STRIP FOR THE FULL LENGTH OF SIGN SUPPORT POST

M3-2 24X12
M1-4 24X24
M1-5 24X24
M5-1R 21X15
M4-5 24X12
M3-4 24X12
M1-4 24X24
M1-5 24X24
M5-1R 21X15

JCT 68
M2-1 21X15
M1-4 24X24
M1-5 24X24

INSTALL 2" WIDE YELLOW RETROREFLECTIVE VERTICAL STRIP FOR THE FULL LENGTH OF SIGN SUPPORT POST





MATCHLINE STA 128+00.00

129+00

130+00

131+00

R5-1
36X36
DO NOT ENTER

R5-1a
42X30
WRONG WAY













M1-4
24X24
M3-2
24X12
89 EAST

R5-1
36X36
DO NOT ENTER

R3-4
36X36



SHEETING SIGNS DETAIL SHEET

SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION								
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		SIDE OF ROAD	FACING TRAFFIC TRAVELING			ON ROAD	AT STATION (APPROXIMATE)							
S-1	42	30		R5-1a	MEDIAN	WESTBOUND	US 68	99+37	S-7	9'-5"	1'-6"		D1-1d	MEDIAN	EASTBOUND	US 68	102+92					
S-2	42	30		R5-1a	RT	WESTBOUND	US 68	99+37	S-8	9'-5"	1'-6"		D1-1d	RT	EASTBOUND	US 68	102+92					
S-3	36	36		R5-1	MEDIAN	WB TURNING ONTO EB	US 68	100+69	S-9	24	12		M3-2	MEDIAN	WESTBOUND	US 68	105+95					
	36	36		R3-4	MEDIAN	EASTBOUND	US 68			24	24		M1-4									
S-4	36	36		R5-1	RT	WB TURNING ONTO EB	US 68	100+69	S-10	36	36		R5-1	MEDIAN	WESTBOUND	US 68	107+80					
															R3-4	MEDIAN	EASTBOUND	US 68				
S-5	54	18		R6-1L	RT	WB TURNING ONTO EB	US 68	101+35	S-11	24	12		M3-4	MEDIAN	SOUTHBOUND	ROCKFIELD BROWNING RD	108+20					
															M1-4							
																M6-1R						
																M4-5						
S-6	24	12		M3-2	MEDIAN	EASTBOUND	US 68	101+56	S-12	36	12		R6-1R	RT	SOUTHBOUND	ROCKFIELD BROWNING RD	49+31					
	24	24		M1-4											R1-1							

* D1-1 AND D1-1d SIGN SIZES SHOWN IN FEET AND INCHES

SPECIAL NOTES:
1. ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE "MINIMUM UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE "MINIMUM UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".








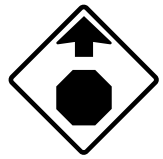
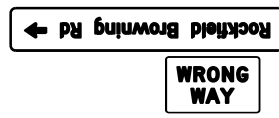




COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: SHEETING SIGNS DETAIL SHEET

ITEM NO. 03-939.00 COUNTY OF WARREN
SHEET NO. R31

SHEETING SIGNS DETAIL SHEET

SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION								
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		SIDE OF ROAD	FACING TRAFFIC TRAVELING			ON ROAD	AT STATION (APPROXIMATE)							
S-13	30	36		R3-5R	RT	SOUTHBOUND	ROCKFIELD BROWNING RD	SEE SIGNING PLANS FOR LOCATION	S-19	36	36		R5-1	LEFT	EB LEFT TURN SOUTHBOUND	US 68 ROCKFIELD BROWNING RD	109+36					
S-14	24	12		M3-4	RT	SOUTHBOUND	ROCKFIELD BROWNING RD	SEE SIGNING PLANS FOR LOCATION	S-20	42	30		R5-1a	MEDIAN	EASTBOUND	US 68	110+71					
	24	24		M1-4																		
	21	15		M5-1R																		
	24	12		M4-5																		
	24	12		M3-2																		
	24	24		M1-4																		
	21	15		M5-1R																		
S-15	21	15		M2-1	RT	SOUTHBOUND	ROCKFIELD BROWNING RD	SEE SIGNING PLANS FOR LOCATION	S-21			SIGN S-21 NOT USED										
	24	24		M1-4																		
S-16	30	30		W3-1	RT	SOUTHBOUND	ROCKFIELD BROWNING RD	SEE SIGNING PLANS FOR LOCATION	S-22	42	30		R5-1a	LEFT	EASTBOUND	US 68	110+71					
																		D1-1	LEFT	WESTBOUND	US 68	
S-17	36	36		R3-2	MEDIAN	WESTBOUND	US 68	108+86	S-23	42	30		R5-1a	MEDIAN	WESTBOUND	US 68	114+39					
S-18	36	36		R5-1	MEDIAN	EB LEFT TURN SOUTHBOUND	US 68 ROCKFIELD BROWNING RD	109+6	S-24	42	30		R5-1a	RIGHT	WESTBOUND	US 68	114+39					

* D1-1 AND D1-1d SIGN SIZES SHOWN IN FEET AND INCHES

SPECIAL NOTES:
 1. COLORS FOR SIGN ASSEMBLIES ARE DESIGNATED IN THE "MARKING ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS"
 2. SHEETING SIGNS SHALL BE FABRICATED FROM 1/8" GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 10" (THIRTYEIGHT INCHES). OTHERWISE GLOSS GAUGE MATERIAL SHALL BE USED.




COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: SHEETING SIGNS DETAIL SHEET

ITEM NO. 03-939.00 COUNTY OF WARREN
SHEET NO. R32

SHEETING SIGNS DETAIL SHEET

SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				SIGN/SIGN ASSEMBLY NUMBER	SIZES * IN INCHES		MESSAGES ①	SPECIFICATION	SIGN LOCATION				
	HORIZ.	VERT.			SIDE OF ROAD	FACING TRAFFIC TRAVELING	ON ROAD	AT STATION (APPROXIMATE)		SIDE OF ROAD	FACING TRAFFIC TRAVELING			ON ROAD	AT STATION (APPROXIMATE)			
S-37	30	24		M1-5a	LEFT	WESTBOUND	US 68	122+18	S-43	36	36		R3-4	MEDIAN	WESTBOUND	US 68	128+50	
	21	15		M6-2L						36	36		R5-1	MEDIAN	EASTBOUND	US 68		
S-38	21	15		M2-1	LEFT	WESTBOUND	US 68	124+31	S-44	42	30		R5-1a	MEDIAN	EASTBOUND	US 68	129+50	
	30	24		M1-5a														
S-39	24	12		M3-4	MEDIAN	EASTBOUND	US 68	127+29	S-45	42	30		R5-1a	LEFT	EASTBOUND	US 68	129+50	
	24	24		M1-4														
	21	15		MX-XX														
S-40	54	18		R6-1L	LEFT	EB TURNING ONTO WB	US 68	127+68	S-									
S-41	24	12		M3-2	RIGHT	EASTBOUND	US 68	128+40	S-									
	24	24		M1-4														
S-42	36	36		R5-1	LEFT	EB TURNING ONTO WB	US 68	128+50	S-									

D1-1 AND D1-1d SIGN SIZES SHOWN IN FEET AND INCHES

SPECIAL NOTES:
 1. COLORS FOR SIGN ASSEMBLIES ARE DESIGNATED IN THE "MARKS, ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
 2. SHEETING SIGNS SHALL BE FABRICATED FROM 0.015 GAUGE MATERIAL, IF ANY DIMENSION IS GREATER THAN 10" OTHERWISE 0.010 GAUGE MATERIAL SHALL BE USED.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: SHEETING SIGNS DETAIL SHEET

ITEM NO. 03-939.00 COUNTY OF WARREN
SHEET NO. R34