



Andy Beshear  
GOVERNOR

## TRANSPORTATION CABINET

200 Mero Street  
Frankfort, Kentucky 40601

Jim Gray  
SECRETARY

June 17, 2024

CALL NO. 107  
CONTRACT ID NO. 241312  
ADDENDUM # 3

Subject: Washington County, STP 1501(126)  
Letting June 20, 2024

- (1) Revised - Proposal Bid Items - Pages 322-326 of 326
- (2) Revised - Plan Sheets R2G, R51, R52, R65, R66, R67, R70, R70A
- (3) Added - Plan Sheets R70C, R70D

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures

**PROPOSAL BID ITEMS**

241312

Page 1 of 5

Report Date 6/17/24

**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	38,720.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	58,466.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	268.90	TON		\$	
0040	00103		ASPHALT SEAL COAT	32.26	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	4,481.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	11,589.00	TON		\$	
0070	00214		CL3 ASPH BASE 1.00D PG64-22	17,988.00	TON		\$	
0080	00296		ASPHALT PRIME COAT	53.07	TON		\$	
0090	00301		CL2 ASPH SURF 0.38D PG64-22	2,589.00	TON		\$	
0100	00388		CL3 ASPH SURF 0.38B PG64-22	4,526.00	TON		\$	
0110	02602		FABRIC-GEOTEXTILE CLASS 1	164,509.00	SQYD		\$	
0120	24785EC		FIBER REINFORCEMENT FOR HMA	15,283.00	TON		\$	
0130	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	57.41	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0140	01000		PERFORATED PIPE-4 IN	1,705.00	LF		\$	
0150	01001		PERFORATED PIPE-6 IN	840.00	LF		\$	
0160	01010		NON-PERFORATED PIPE-4 IN	88.00	LF		\$	
0170	01011		NON-PERFORATED PIPE-6 IN	16.00	LF		\$	
0180	01028		PERF PIPE HEADWALL TY 3-4 IN	6.00	EACH		\$	
0190	01029		PERF PIPE HEADWALL TY 3-6 IN	4.00	EACH		\$	
0200	01032		PERF PIPE HEADWALL TY 4-4 IN	2.00	EACH		\$	
0210	01314		PLUG PIPE	8.00	EACH		\$	
0220	01740		CORED HOLE DRAINAGE BOX CON-4 IN	1.00	EACH		\$	
0230	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	75.00	EACH		\$	
0240	02003		RELOCATE TEMP CONC BARRIER (REVISED 6-17-24)	2,140.00	LF		\$	
0250	02159		TEMP DITCH	6,700.00	LF		\$	
0260	02160		CLEAN TEMP DITCH	3,350.00	LF		\$	
0270	02200		ROADWAY EXCAVATION	461,422.00	CUYD		\$	
0280	02231		STRUCTURE GRANULAR BACKFILL	333.00	CUYD		\$	
0290	02242		WATER	600.00	MGAL		\$	
0300	02360		GUARDRAIL TERMINAL SECTION NO 1	6.00	EACH		\$	
0310	02367		GUARDRAIL END TREATMENT TYPE 1	7.00	EACH		\$	
0320	02371		GUARDRAIL END TREATMENT TYPE 7	3.00	EACH		\$	
0330	02381		REMOVE GUARDRAIL	594.00	LF		\$	
0340	02391		GUARDRAIL END TREATMENT TYPE 4A	5.00	EACH		\$	
0350	02397		TEMP GUARDRAIL	5,280.00	LF		\$	
0360	02429		RIGHT-OF-WAY MONUMENT TYPE 1	78.00	EACH		\$	
0370	02432		WITNESS POST	3.00	EACH		\$	
0380	02483		CHANNEL LINING CLASS II	1,884.00	TON		\$	
0390	02484		CHANNEL LINING CLASS III	883.00	TON		\$	

**PROPOSAL BID ITEMS**

241312

Page 2 of 5

Report Date 6/17/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	02545		CLEARING AND GRUBBING APPROXIMATELY 46.85 ACRES	1.00	LS		\$	
0410	02562		TEMPORARY SIGNS	2,500.00	SQFT		\$	
0420	02585		EDGE KEY	121.00	LF		\$	
0430	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0440	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0450	02690		SAFELoADING	22.26	CUYD		\$	
0460	02701		TEMP SILT FENCE	6,700.00	LF		\$	
0470	02703		SILT TRAP TYPE A	63.00	EACH		\$	
0480	02704		SILT TRAP TYPE B	63.00	EACH		\$	
0490	02705		SILT TRAP TYPE C	63.00	EACH		\$	
0500	02706		CLEAN SILT TRAP TYPE A	63.00	EACH		\$	
0510	02707		CLEAN SILT TRAP TYPE B	63.00	EACH		\$	
0520	02708		CLEAN SILT TRAP TYPE C	63.00	EACH		\$	
0530	02726		STAKING	1.00	LS		\$	
0540	02731		REMOVE STRUCTURE STA. 119+72 - 8'X5' RCBC	1.00	LS		\$	
0550	02731		REMOVE STRUCTURE STA. 66+05 - 5'X5' RCBC	1.00	LS		\$	
0560	02731		REMOVE STRUCTURE STA. 78+97 - 4'X3' RCBC	1.00	LS		\$	
0570	02775		ARROW PANEL	2.00	EACH		\$	
0580	02898		RELOCATE CRASH CUSHION (REVISED 6-17-24)	4.00	EACH		\$	
0590	03171		CONCRETE BARRIER WALL TYPE 9T (REVISED 6-17-24)	2,940.00	LF		\$	
0600	03262		CLEAN PIPE STRUCTURE	2.00	EACH		\$	
0610	05950		EROSION CONTROL BLANKET	7,760.00	SQYD		\$	
0620	05952		TEMP MULCH	203,326.00	SQYD		\$	
0630	05953		TEMP SEEDING AND PROTECTION	151,736.00	SQYD		\$	
0640	05963		INITIAL FERTILIZER	11.20	TON		\$	
0650	05964		MAINTENANCE FERTILIZER	6.70	TON		\$	
0660	05985		SEEDING AND PROTECTION	132,449.00	SQYD		\$	
0670	05989		SPECIAL SEEDING CROWN VETCH	76,445.00	SQYD		\$	
0680	05992		AGRICULTURAL LIMESTONE	134.60	TON		\$	
0690	06410		STEEL POST TYPE 1	260.00	LF		\$	
0700	06510		PAVE STRIPING-TEMP PAINT-4 IN	108,000.00	LF		\$	
0710	06542		PAVE STRIPING-THERMO-6 IN W	29,451.00	LF		\$	
0720	06543		PAVE STRIPING-THERMO-6 IN Y	25,705.00	LF		\$	
0730	06568		PAVE MARKING-THERMO STOP BAR-24IN	29.00	LF		\$	
0740	06569		PAVE MARKING-THERMO CROSS-HATCH	2,482.00	SQFT		\$	
0750	06574		PAVE MARKING-THERMO CURV ARROW	8.00	EACH		\$	
0760	06610		INLAID PAVEMENT MARKER-MW	110.00	EACH		\$	
0770	06612		INLAID PAVEMENT MARKER-BY	262.00	EACH		\$	
0780	07535		J-HOOK VANE	1.00	EACH		\$	
0790	08001		STRUCTURE EXCAVATION-COMMON	275.00	CUYD		\$	
0800	08018		RETAINING WALL	1,345.00	SQFT		\$	
0810	08903		CRASH CUSHION TY VI CLASS BT TL3 (REVISED 6-17-24)	4.00	EACH		\$	
0820	10020NS		FUEL ADJUSTMENT	179,493.00	DOLL	\$1.00	\$	\$179,493.00
0830	10030NS		ASPHALT ADJUSTMENT	162,581.00	DOLL	\$1.00	\$	\$162,581.00

**PROPOSAL BID ITEMS**

241312

Page 3 of 5

Report Date 6/17/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0840	20071EC		JOINT ADHESIVE	77,200.00	LF		\$	
0850	20191ED		OBJECT MARKER TY 3	12.00	EACH		\$	
0860	20550ND		SAWCUT PAVEMENT	15,262.00	LF		\$	
0870	21289ED		LONGITUDINAL EDGE KEY	14,534.00	LF		\$	
0880	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	5,650.00	LF		\$	
0890	23274EN11F		TURF REINFORCEMENT MAT 1	573.00	SQYD		\$	
0900	24814EC		PIPELINE INSPECTION	1,204.00	LF		\$	
0910	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	2,111,571.00	SF		\$	
0920	25090EC		SINUSOIDAL RUMBLE STRIPS	52,917.00	LF		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	00440		ENTRANCE PIPE-15 IN	425.00	LF		\$	
0940	00441		ENTRANCE PIPE-18 IN	111.00	LF		\$	
0950	00443		ENTRANCE PIPE-24 IN	76.00	LF		\$	
0960	00462		CULVERT PIPE-18 IN	117.00	LF		\$	
0970	00464		CULVERT PIPE-24 IN	535.00	LF		\$	
0980	00466		CULVERT PIPE-30 IN	253.00	LF		\$	
0990	00468		CULVERT PIPE-36 IN	16.00	LF		\$	
1000	00474		CULVERT PIPE-72 IN	114.00	LF		\$	
1010	00499		CULVERT PIPE-48 IN EQUIV	90.00	LF		\$	
1020	00524		STORM SEWER PIPE-24 IN	249.00	LF		\$	
1030	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
1040	01210		PIPE CULVERT HEADWALL-30 IN	7.00	EACH		\$	
1050	01217		PIPE CULVERT HEADWALL-48 IN EQUIV	2.00	EACH		\$	
1060	01376		METAL END SECTION TY 1-42 IN	2.00	EACH		\$	
1070	01434		SLOPED BOX OUTLET TYPE 1-24 IN	2.00	EACH		\$	
1080	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
1090	01451		S & F BOX INLET-OUTLET-24 IN	8.00	EACH		\$	
1100	01452		S & F BOX INLET-OUTLET-30 IN	1.00	EACH		\$	
1110	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		\$	
1120	01490		DROP BOX INLET TYPE 1	1.00	EACH		\$	
1130	01756		MANHOLE TYPE A	1.00	EACH		\$	
1140	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	5,410.00	SQYD	\$2.00	\$	\$10,820.00
1150	08100		CONCRETE-CLASS A	.57	CUYD		\$	
1160	24025EC		PIPE CULVERT HEADWALL-72 IN	2.00	EACH		\$	
1170	24561EN		ENTRANCE PIPE-42 IN	36.00	FT		\$	

**Section: 0004 - BRIDGE-28874 8'X5' RCBC EXTENSION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1180	02403		REMOVE CONCRETE MASONRY	9.00	CUYD		\$	
1190	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1200	08100		CONCRETE-CLASS A	49.00	CUYD		\$	
1210	08150		STEEL REINFORCEMENT	4,917.00	LB		\$	

**PROPOSAL BID ITEMS**

241312

Page 4 of 5

Report Date 6/17/24

**Section: 0005 - BRIDGE-28875-TRIPLE 12X11' RCBC EXTENSION AT PARKER RUN**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1220	00003		CRUSHED STONE BASE	42.00	TON		\$	
1230	00078		CRUSHED AGGREGATE SIZE NO 2	46.00	TON		\$	
1240	02403		REMOVE CONCRETE MASONRY	27.00	CUYD		\$	
1250	02998		MASONRY COATING	102.00	SQYD		\$	
1260	08002		STRUCTURE EXCAV-SOLID ROCK	30.00	CUYD		\$	
1270	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1280	08019		CYCLOPEAN STONE RIP RAP	77.00	TON		\$	
1290	08100		CONCRETE-CLASS A	185.00	CUYD		\$	
1300	08150		STEEL REINFORCEMENT	17,982.00	LB		\$	
1310	08410		LOW FLOW DIVERSION CURB	1.00	LS		\$	
1320	20263ED		GEOGRID REINFORCEMENT	115.00	SQYD		\$	
1330	22146EN		CONCRETE PATCHING REPAIR	4.00	SQFT		\$	
1340	24896ED		RAIL SYSTEM TYPE T631	85.00	LF		\$	

**Section: 0006 - BRIDGE-28876-4'X3' RCBC UNDER US150**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	08002		STRUCTURE EXCAV-SOLID ROCK	5.00	CUYD		\$	
1360	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1370	08100		CONCRETE-CLASS A	34.50	CUYD		\$	
1380	08150		STEEL REINFORCEMENT	3,368.00	LB		\$	

**Section: 0007 - BRIDGE-28877-8'X5' RCBC UNDER US 150**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1390	08002		STRUCTURE EXCAV-SOLID ROCK	36.00	CUYD		\$	
1400	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1410	08100		CONCRETE-CLASS A	101.70	CUYD		\$	
1420	08150		STEEL REINFORCEMENT	7,683.00	LB		\$	

**Section: 0008 - WATERLINE - CITY OF BARDSTOWN**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1430	14006		W ENCASMENT STEEL BORED RANGE 1	114.00	LF		\$	
1440	14022		W FLUSH HYDRANT ASSEMBLY	1.00	EACH		\$	
1450	14057		W PIPE PVC 03 INCH	2,046.00	LF		\$	
1460	14074		W PLUG EXISTING MAIN	1.00	EACH		\$	
1470	14092		W TIE-IN 03 INCH	1.00	EACH		\$	
1480	14103		W VALVE 03 INCH	1.00	EACH		\$	
1490	14148		W SERV COPPER LONG SIDE 3/4 IN	1.00	EACH		\$	
1500	14152		W SERV COPPER SHORT SIDE 3/4 IN	5.00	EACH		\$	

**PROPOSAL BID ITEMS**

241312

Page 5 of 5

Report Date 6/17/24

**Section: 0009 - WATERLINE - SPRINGFIELD WATER & SEWER**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1510	14000		W AIR RELEASE VALVE 1 INCH	1.00	EACH		\$	
1520	14004		W DIRECTIONAL BORE	200.00	LF		\$	
1530	14007		W ENCASEMENT STEEL BORED RANGE 2	100.00	LF		\$	
1540	14021		W FIRE HYDRANT REMOVE	1.00	EACH		\$	
1550	14022		W FLUSH HYDRANT ASSEMBLY	2.00	EACH		\$	
1560	14028		W METER 3/4 INCH	16.00	EACH		\$	
1570	14058		W PIPE PVC 04 INCH	800.00	LF		\$	
1580	14059		W PIPE PVC 06 INCH	7,100.00	LF		\$	
1590	14077		W SERV PE/PLST LONG SIDE 1 IN	3.00	EACH		\$	
1600	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	13.00	EACH		\$	
1610	14093		W TIE-IN 04 INCH	2.00	EACH		\$	
1620	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
1630	14104		W VALVE 04 INCH	3.00	EACH		\$	
1640	14105		W VALVE 06 INCH	8.00	EACH		\$	
1650	14133		W PRESSURE REDUCING VALVE 03 INCH	1.00	EACH		\$	
1660	14181		W PRESSURE RELIEF VALVE SPECIAL	1.00	EACH		\$	
1670	14635		W LEAK DETECTION METER INST	1.00	EACH		\$	
1680	24793NN		TEST METER ASSEMBLY	1.00	EACH		\$	

**Section: 0010 - DEMOBILIZATION&/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1690	02568		MOBILIZATION	1.00	LS		\$	
1700	02569		DEMOBILIZATION	1.00	LS		\$	

ROADWAY GENERAL SUMMARY

ITEM	DESCRIPTION	NOTES	UNIT	US 150	FREDRICKTOWN ROAD	GRUNDY HOME ROAD	MAYFIELD LANE	MOT	TOTAL PROJECT
1314	PLUG PIPE		EACH	8	0	0	0	0	8
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE		EACH	75	0	0	0	0	75
2003	RELOCATE TEMP CONC BARRIER		LF	0	0	0	0	2140	2140
2159	TEMP DITCH		LF	0	0	0	0	0	6700
2160	CLEAN TEMP DITCH		LF	0	0	0	0	0	3350
2200	ROADWAY EXCAVATION	NOTE 1	CU YD	0	0	0	0	0	461422
2231	STRUCTURE GRANULAR BACKFILL		CU YD	333	0	0	0	0	333
2242	WATER	NOTE 2	M GAL	0	0	0	0	600	600
2360	GUARDRAIL TERMINAL SECTION NO 1		EACH	6	0	0	0	0	6
2367	GUARDRAIL END TREATMENT TYPE 1		EACH	4	0	0	0	3	7
2371	GUARDRAIL END TREATMENT TYPE 7		EACH	3	0	0	0	0	3
2381	REMOVE GUARDRAIL		LF	594	0	0	0	0	594
2391	GUARDRAIL END TREATMENT TYPE 4A		EACH	5	0	0	0	0	5
2397	TEMP GUARDRAIL		LF	0	0	0	0	5280	5280
2429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	78	0	0	0	0	78
2432	WITNESS POST		EACH	0	0	0	0	0	3
2483	CHANNEL LINING CLASS II		TON	1756	0	0	0	0	1884
2484	CHANNEL LINING CLASS III		TON	770	0	0	0	0	883
2545	CLEARING AND GRUBBING	NOTE 3	LS	0	0	0	0	0	1
2562	TEMPORARY SIGNS		SQ.FT	0	0	0	0	2500	2500
2568	MOBILIZATION		LS	0	0	0	0	0	1
2569	DEMOLITION		LS	0	0	0	0	0	1
2585	EDGE KEY		LF	69	14	10	10	0	121
2650	MAINTAIN AND CONTROL TRAFFIC	NOTE 7	LS	0	0	0	0	0	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	0	0	0	0	4	4
2690	SAFELADING		CU YD	22.26	0	0	0	0	22.26
2701	TEMP SILT FENCE		LF	0	0	0	0	0	6700
2703	SILT TRAP TYPE A		EACH	0	0	0	0	0	63
2704	SILT TRAP TYPE B		EACH	0	0	0	0	0	63
2705	SILT TRAP TYPE C		EACH	0	0	0	0	0	63
2706	CLEAN SILT TRAP TYPE A		EACH	0	0	0	0	0	63
2707	CLEAN SILT TRAP TYPE B		EACH	0	0	0	0	0	63
2708	CLEAN SILT TRAP TYPE C		EACH	0	0	0	0	0	63
2726	STAKING		LS	0	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 10	EACH	1	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 11	EACH	1	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 12	EACH	1	0	0	0	0	1
2775	ARROW PANEL		EACH	0	0	0	0	2	2
2898	RELOCATE CRASH CUSHION		EACH	0	0	0	0	4	4
3171	CONCRETE BARRIER WALL TYPE 9T	NOTE 9	LF	0	0	0	0	2940	2940
3262	CLEAN PIPE STRUCTURE		EACH	2	0	0	0	0	2
5950	EROSION CONTROL BLANKET		SQ.YD	7716	0	44	0	0	7760
5952	TEMP MULCH		SQ.YD	0	0	0	0	0	203326
5953	TEMP SEEDING AND PROTECTION		SQ.YD	0	0	0	0	0	151736
5963	INITIAL FERTILIZER	NOTE 4	TON	0	0	0	0	0	11.2
5964	MAINTENANCE FERTILIZER	NOTE 5	TON	0	0	0	0	0	6.7
5985	SEEDING AND PROTECTION		SQ.YD	0	0	0	0	0	132449
5989	SPECIAL SEEDING CROWN VETCH		SQ.YD	0	0	0	0	0	76445
5992	AGRICULTURAL LIMESTONE	NOTE 6	TON	0	0	0	0	0	134.6
6410	STEEL POST TYPE 1	NOTE 13	LF	0	0	0	0	0	260
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	0	0	0	0	108000	108000
6542	PAVE STRIPING-THERMO-6IN W		LF	28324	27	700	400	0	29451
6543	PAVE STRIPING-THERMO-6IN Y		LF	25705	0	0	0	0	25705
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	13	0	10	6	0	29
6569	PAVE MARKING-THERMO CROSS-HATCH		SQ.FT	2482	0	0	0	0	2482
6574	PAVE MARKING-THERMO CURV ARROW		EACH	8	0	0	0	0	8
6610	INLAID PAVEMENT MARKER-MW		EACH	110	0	0	0	0	110
6612	INLAID PAVEMENT MARKER-BY		EACH	262	0	0	0	0	262
7535	J-HOOK VANE		EACH	1	0	0	0	0	1
8001	STRUCTURE EXCAVATION-COMMON		CU YD	275	0	0	0	0	275
8018	RETAINING WALL		SQ.FT	1345	0	0	0	0	1345
8903	CRASH CUSHION TY VI CLASS BT TL3		EACH	0	0	0	0	4	4
10020NS	FUEL ADJUSTMENT		DOLL	0	0	0	0	0	179493
10030NS	ASPHALT ADJUSTMENT		DOLL	0	0	0	0	0	162581
20071EC	JOINT ADHESIVE		LF	56400	0	720	252	0	77200
20191ED	OBJECT MARKER TY 3		EACH	9	0	0	0	3	12
20550ND	SAWCUT PAVEMENT		LF	15082	180	0	0	0	15262
21288ED	LONGITUDINAL EDGE KEY		LF	14354	180	0	0	0	14534
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	NOTE 8	LF	5650	0	0	0	0	5650
23274EN11F	TURF REINFORCEMENT MAT 1		SQ.YD	573	0	0	0	0	573
24814EC	PIPELINE INSPECTION		LF	1204	0	0	0	0	1204
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT		SF	2111571	0	0	0	0	2111571
25090EC	SINUSOIDAL RUMBLE STRIPS		LF	51945	0	720	252	0	52917

1. EARTHWORK TOTALS  
 EMBANKMENT-----24172 CU YD  
 COMMON EXCAVATION-----210859 CU YD  
 ROCK EXCAVATION-----244950 CU YD  
 EMBANKMENT BENCHING-----5609 CU YD  
 TOTAL EXCAVATION-----461422 CU YD

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

2. FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.

3. APPROXIMATELY 46.85 ACRES. REMOVAL OF EXISTING PIPES, HEADWALLS, FENCES, SIGNS, ETC. ARE INCIDENTAL TO CLEARING AND GRUBBING AND NO DIRECT PAYMENT WILL BE MADE FOR THOSE ITEMS.

4. APPLIED AT A RATE OF 500 LBS PER ACRE

5. APPLIED AT A RATE OF 300 LBS PER ACRE

6. APPLIED AT A RATE OF 3 TONS PER ACRE

7. INCLUDES ALL NECESSARY ITEMS TO MAINTAIN AND CONTROL TRAFFIC

8. USE 7' GUARDRAIL POST

9. WHEN NO LONGER NEEDED REMOVE THE WALL FROM PROJECT. THE CONTRACTOR WILL MAINTAIN OWNERSHIP OF THE WALL.

10. STA. 66+05 - 5'X5' RCBC

11. STA. 78+97 - 4'X3' RCBC

12. STA. 119+72 - 8'X5' RCBC

13. QUANTITY IS ESTIMATED.

SEE PERMANENT SIGNING NOTE ON SHEET NO. R2K  
 \*GENERAL NOTES, SPECIAL NOTES, & SPECIAL PROVISIONS\*

ROADWAY GENERAL SUMMARY

ITEM	DESCRIPTION	NOTES	UNIT	US 150	FREDERICKTOWN ROAD	GRUNDY HOME ROAD	MAYFIELD LANE	MOT	TOTAL PROJECT
1314	PLUG PIPE		EACH	8	0	0	0	0	8
1387	DITCH FOR GUARDRAIL WITH CONCRETE CURB		LF	75	0	0	0	0	75
2003	RELOCATE TEMP CONIC BARRIER		LF	0	0	0	0	2140	2140
2149	CONCRETE CURB		LF	0	0	0	0	0	0
2160	CLEAN TEMP DITCH		LF	0	0	0	0	0	3350
2200	ROADWAY EXCAVATION	NOTE 1	CU YD	0	0	0	0	0	461422
2231	STRUCTURE GRANULAR BACKFILL		CU YD	333	0	0	0	0	333
2242	WATER	NOTE 2	M GAL	0	0	0	0	600	600
2360	GUARDRAIL TERMINAL SECTION NO 1		EACH	6	0	0	0	0	6
2367	GUARDRAIL END TREATMENT TYPE 1		EACH	4	0	0	0	3	7
2371	GUARDRAIL END TREATMENT TYPE 7		EACH	3	0	0	0	0	3
2381	REMOVE GUARDRAIL		LF	594	0	0	0	0	594
2391	GUARDRAIL END TREATMENT TYPE 4A		EACH	5	0	0	0	0	5
2397	TEMP GUARDRAIL		LF	0	0	0	0	5280	5280
2429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	78	0	0	0	0	78
2432	WITNESS POST		EACH	0	0	0	0	0	3
2483	CHANNEL LINING CLASS II		TON	1756	0	0	0	0	1884
2484	CHANNEL LINING CLASS III		TON	770	0	0	0	0	883
2545	CLEARING AND GRUBBING	NOTE 3	LS	0	0	0	0	0	1
2562	TEMPORARY SIGNS		SQ.FT	0	0	0	0	2500	2500
2568	MOBILIZATION		LS	0	0	0	0	0	1
2569	DEMOLITION		LS	0	0	0	0	0	1
2585	EDGE KEY		LF	69	14	10	10	0	121
2650	MAINTAIN AND CONTROL TRAFFIC	NOTE 7	LS	0	0	0	0	0	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN		EACH	0	0	0	0	4	4
2690	SAFELADING		CU YD	22.26	0	0	0	0	22.26
2701	TEMP SILT FENCE		LF	0	0	0	0	0	6700
2703	SILT TRAP TYPE A		EACH	0	0	0	0	0	63
2704	SILT TRAP TYPE B		EACH	0	0	0	0	0	63
2705	SILT TRAP TYPE C		EACH	0	0	0	0	0	63
2706	CLEAN SILT TRAP TYPE A		EACH	0	0	0	0	0	63
2707	CLEAN SILT TRAP TYPE B		EACH	0	0	0	0	0	63
2708	CLEAN SILT TRAP TYPE C		EACH	0	0	0	0	0	63
2726	STAKING		LS	0	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 10	EACH	1	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 11	EACH	1	0	0	0	0	1
2731	REMOVE STRUCTURE	NOTE 12	EACH	1	0	0	0	0	1
2731	REMOVE STRUCTURE		EACH	1	0	0	0	0	1
2898	RELOCATE CRASH CUSHION		EACH	0	0	0	0	4	4
3171	CONCRETE BARRIER WALL TYPE 9T	NOTE 9	LF	0	0	0	0	2940	2940
3276	CONCRETE BARRIER WALL TYPE 9T		EACH	0	0	0	0	0	0
5950	EROSION CONTROL BLANKET		SQ.YD	7716	0	44	0	0	7760
5952	TEMP MULCH		SQ.YD	0	0	0	0	0	203326
5953	TEMP SEEDING AND PROTECTION		SQ.YD	0	0	0	0	0	151736
5963	INITIAL FERTILIZER	NOTE 4	TON	0	0	0	0	0	11.2
5964	MAINTENANCE FERTILIZER	NOTE 5	TON	0	0	0	0	0	6.7
5985	SEEDING AND PROTECTION		SQ.YD	0	0	0	0	0	132449
5989	SPECIAL SEEDING CROWN VETCH		SQ.YD	0	0	0	0	0	76445
5992	AGRICULTURAL LIMESTONE	NOTE 6	TON	0	0	0	0	0	134.6
6410	STEEL POST TYPE 1	NOTE 13	LF	0	0	0	0	0	260
6510	PAVE STRIPING-TEMP PAINT-4 IN		LF	0	0	0	0	108000	108000
6542	PAVE STRIPING-THERMO-6IN W		LF	28324	27	700	400	0	29451
6543	PAVE STRIPING-THERMO-6IN Y		LF	25705	0	0	0	0	25705
6568	PAVE MARKING-THERMO STOP BAR-24IN		LF	13	0	10	6	0	29
6569	PAVE MARKING-THERMO CROSS-HATCH		SQ.FT	2482	0	0	0	0	2482
6574	PAVE MARKING-THERMO CURV ARROW		EACH	8	0	0	0	0	8
6610	INLAID PAVEMENT MARKER-MW		EACH	110	0	0	0	0	110
6612	INLAID PAVEMENT MARKER-BY		EACH	262	0	0	0	0	262
7535	J-HOOK VANE		EACH	1	0	0	0	0	1
8001	STRUCTURE EXCAVATION-COMMON		CU YD	275	0	0	0	0	275
8025	STRUCTURE EXCAVATION-COMMON		SQ.FT	2946	0	0	0	0	2946
8903	CRASH CUSHION TY VI CLASS BT TL3		EACH	0	0	0	0	4	4
9065	CRASH CUSHION TY VI CLASS BT TL3		EACH	0	0	0	0	0	174993
10030NS	ASPHALT ADJUSTMENT		DOIL	0	0	0	0	0	162581
20071EC	JOINT ADHESIVE		LF	56400	0	720	252	0	77200
20191ED	OBJECT MARKER TY 3		EACH	9	0	0	0	3	12
20550ND	SAWCUT PAVEMENT		LF	15082	180	0	0	0	15262
21288ED	LONGITUDINAL EDGE KEY		LF	14354	180	0	0	0	14534
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	NOTE 8	LF	5650	0	0	0	0	5650
23274EN11F	TURF REINFORCEMENT MAT 1		SQ.YD	573	0	0	0	0	573
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 8. USE 7' GUARDRAIL POST  
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 \*GENERAL NOTES, SPECIAL NOTES, & SPECIAL PROVISIONS\*



# MAINTENANCE OF TRAFFIC NOTES SHEET

## GENERAL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
- EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:
  - ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSIONS (BY-PASS DETOURS) IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSIONS (BY-PASS DETOURS) CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSIONS (BY-PASS DETOURS)".
  - ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.
  - ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.
  - ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.
  - THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION.  
LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING TIMES:  
MONDAY THROUGH FRIDAY 6:00AM TO 8:00AM  
MONDAY THROUGH FRIDAY 3:00PM TO 6:00PM
  - THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.
  - IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.
  - THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
  - IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.
  - IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

## GENERAL NOTES

- NIGHT WORK WILL BE ALLOWED ON THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 14 DAYS PRIOR TO BEGINNING NIGHT WORK.
- INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES.
- PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT TO ALERT APPROACHING TRAFFIC OF THE CONSTRUCTION ZONE. THE MESSAGE SHALL BE APPROVED BY THE THE ENGINEER.  
PAVEMENT EDGE DROP-OFFS  
DIFFERENCE IN ELEVATION FOR TRAVEL LANES  
A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1/2 INCHES. THIS MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.  
PAVEMENT DROP-OFFS  
PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER  
LESS THAN 1/2 INCH - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.  
1/2 INCH TO 2 INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.  
2 TO 4 INCHES - PLACE PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES (TCD'S) EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.  
4 INCHES AND GREATER - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 5 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, DRUMS, PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.  
FOR TEMPORARY CONDITIONS, DROP-OFFS 4 INCHES AND GREATER MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.  
LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE WILL BE CONSIDERED FOR THE LOW VOLUME LOCAL STREETS AND ENTRANCES.  
PAYMENT WILL BE ALLOWED FOR THE DGA MATERIAL USED FOR WEDGING.



# MAINTENANCE OF TRAFFIC NOTES SHEET

## GENERAL NOTES

- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
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  - ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSIONS (BY-PASS DETOURS) IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSIONS (BY-PASS DETOURS) CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSIONS (BY-PASS DETOURS)".
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- THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION.

LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING TIMES:  
MONDAY THROUGH FRIDAY 6:00AM TO 8:00AM  
MONDAY THROUGH FRIDAY 3:00PM TO 6:00PM
- THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.
- IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.
- THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
- IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.
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## GENERAL NOTES

- NIGHT WORK WILL BE ALLOWED ON THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 14 DAYS PRIOR TO BEGINNING NIGHT WORK.

INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES.
- PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT TO ALERT APPROACHING TRAFFIC OF THE CONSTRUCTION ZONE. THE MESSAGE SHALL BE APPROVED BY THE THE ENGINEER.

PAVEMENT EDGE DROP-OFFS

DIFFERENCE IN ELEVATION FOR TRAVEL LANES

A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1/2 INCHES. THIS MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

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1/2 INCH TO 2 INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

2 TO 4 INCHES - PLACE PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES (TCD'S) EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

4 INCHES AND GREATER - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 5 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, DRUMS, PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.

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LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE WILL BE CONSIDERED FOR THE LOW VOLUME LOCAL STREETS AND ENTRANCES.

PAYMENT WILL BE ALLOWED FOR THE DGA MATERIAL USED FOR WEDGING.



# MAINTENANCE OF TRAFFIC CONSTRUCTION PHASING NOTES

## PHASE 1A1

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE SOUTH SIDE OF US 150 FROM STA. 63+00 TO STA. 70+00. LANE CLOSURES AND FLAGGERS WILL BE REQUIRED. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. THIS WIDENING IS TO ALLOW FOR PHASE CONSTRUCTION OF THE 72 INCH PIPE CULVERT.

## PHASE 1A

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE NORTH SIDE OF US 150 FOR THE PORTIONS SHOWN. LANE CLOSURES AND FLAGGERS WILL BE REQUIRED. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. THE TEMPORARY WIDENING LOCATIONS ARE STA. 14+00 TO STA. 42+90 AND STA. 47+10 TO STA. 77+50. THE WIDENING GENERALLY MATCHES THE ULTIMATE PAVED SHOULDER OFFSET, 19' LEFT. TRANSITIONS ARE REQUIRED AT EACH END (EXISTING PAVEMENT EDGE AT STA. 14+00 TO 19' LEFT AT STA. 24+00. AND 19' LEFT AT STA. 67+50 TO THE EXISTING PAVEMENT EDGE AT STA. 77+50. USING LANE CLOSURES AS NEEDED INSTALL PROPOSED DRAINAGE AT STATIONS 13+55, 18+95, 22+28, 25+14, 31+46, 57+25, 60+47, & 73+57. PARTIALLY CONSTRUCT PROPOSED DRAINAGE AT STATIONS 66+05 AND 78+97.

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE NORTH SIDE OF US 150 FROM STA. 114+89.50 TO STA. 123+64.43, TO ALLOW FOR PHASE CONSTRUCTION OF THE 8' X 5' RCBC. A TEMPORARY EXTENSION OF THE EXISTING RCBC ON THE NORTH SIDE IS REQUIRED.

## PHASE 1B

SHIFT 2 LANES OF TRAFFIC TO THE EXISTING AND NEWLY WIDENED NORTHERN PORTION OF US 150.  
CONSTRUCT THE ULTIMATE AND TEMPORARY PAVEMENT ON THE SOUTH SIDE AS SHOWN, TEMPORARY WIDENING FROM STA. 5+00 TO STA. 14+20, ADJACENT TO ULTIMATE PAVEMENT AND ULTIMATE PAVEMENT FROM STA. 10+00 TO STA. 37+00 AND STA. 50+00 TO STA. 67+50.  
FROM STA. 37+00 TO 50+00 CONSTRUCT BOTTOM ASPHALT BASE LAYER (PART DEPTH ULTIMATE PAVEMENT). UTILIZE LEVELING WEDGING TO MAINTAIN POSITIVE DRAINAGE OVER WIDENED SECTION. LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE WIDENING FROM STA. 5+00 TO STA. 20+00, FLAGGERS WILL BE REQUIRED.  
CONSTRUCT TEMPORARY WIDENING SHOWN ON THE SOUTH SIDE FROM STA. 67+50 TO STA. 95+50 AND STA. 106+00 TO STA. 132+00. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. STATION AND OFFSET FOR THESE LIMITS ARE NOTED ON THE PLANS.  
CONSTRUCT REMAINING PORTIONS OF PROPOSED DRAINAGE AT STATIONS 66+05 AND 78+97.  
CONSTRUCT RETAINING WALL AND SOUTH END OF RCBC AT 119+72

## PHASE 2

SHIFT TRAFFIC TO THE PREVIOUSLY CONSTRUCTED AND WIDENED SOUTH SIDE OF US 150 AND CONSTRUCT THE ENTIRE NORTH SIDE (ULTIMATE PAVEMENT WIDENING AND REPLACEMENT) FROM STA. 10+00 TO STA. 137+50. PLACE TEMPORARY CONCRETE BARRIER WALL FROM STA. 105+00 TO STA. 116+00, AND STA. 121+00 TO STA. 129+75, WITH TEMPORARY CRASH CUSHIONS AT EACH END, TO ALLOW THE FULL DEPTH PAVEMENT REPLACEMENT ADJACENT TO THE TRAVEL LANES.  
CONSTRUCT NORTH SIDE OF RCBC AT 119+72. CONSTRUCT ANY OTHER REMAINING PROPOSED DRAINAGE STRUCTURES.

IT WILL BE NECESSARY TO CLOSE GRUNDY HOME ROAD NEAR US 150 INTERSECTION TO COMPLETE TIE IN CONSTRUCTION. INSTALL VARIABLE MESSAGE BOARD TWO WEEKS PRIOR TO COMMUNICATE CLOSURE. ROAD CLOSURE SHALL BE LIMITED TO ONE WEEK DURATION.

## PHASE 3

SHIFT TRAFFIC TO THE PREVIOUSLY COMPLETED NORTH SIDE OF US 150 AND COMPLETE THE SOUTH SIDE (ULTIMATE PAVEMENT WIDENING AND REPLACEMENT), STA. 67+50 TO STA. 129+73.68 (EAST PROJECT TERMINUS). PLACE TEMPORARY CONCRETE BARRIER WALL FROM STA. 105+00 TO STA. 117+50, AND STA. 119+00 TO STA. 135+75.50 WITH TEMPORARY CRASH CUSHIONS AT EACH END, TO ALLOW THE FULL DEPTH PAVEMENT REPLACEMENT ADJACENT TO THE TRAVEL LANES.  
CONSTRUCT REMAINING PORTION OF RCBC AT 119+72.  
ALLOW MAYFIELD LN TRAFFIC TO USE PREVIOUS TEMPORARY WIDENING TO ACCESS MAYFIELD LN WHILE BUILDING ULTIMATE CONSTRUCTION OF MAYFIELD LN AND EAST TOWARDS PROJECT TERMINUS.

## PHASE 3B

CLOSE GAP BETWEEN STA. 117+50 - 119+00 WITH TEMPORARY BARRIER WALL. REMOVE TEMPORARY BARRIER WALL FROM STA. 121+75 TO 135+75.50  
COMPLETE CONSTRUCTION AS SHOWN IN PLANS



# MAINTENANCE OF TRAFFIC CONSTRUCTION PHASING NOTES

## PHASE 1A1

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE SOUTH SIDE OF US 150 FROM STA. 63+00 TO STA. 70+00. LANE CLOSURES AND FLAGGERS WILL BE REQUIRED. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. THIS WIDENING IS TO ALLOW FOR PHASE CONSTRUCTION OF THE 72 INCH PIPE CULVERT.

## PHASE 1A

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE NORTH SIDE OF US 150 FOR THE PORTIONS SHOWN. LANE CLOSURES AND FLAGGERS WILL BE REQUIRED. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. THE TEMPORARY WIDENING LOCATIONS ARE STA. 14+00 TO STA. 42+90 AND STA. 47+10 TO STA. 77+50. THE WIDENING GENERALLY MATCHES THE ULTIMATE PAVED SHOULDER OFFSET, 19' LEFT. TRANSITIONS ARE REQUIRED AT EACH END (EXISTING PAVEMENT EDGE AT STA. 14+00 TO 19' LEFT AT STA. 24+00. AND 19' LEFT AT STA. 67+50 TO THE EXISTING PAVEMENT EDGE AT STA. 77+50. USING LANE CLOSURES AS NEEDED INSTALL PROPOSED DRAINAGE AT STATIONS 13+55, 18+95, 22+28, 25+14, 31+46, 57+25, 60+47, & 73+57. PARTIALLY CONSTRUCT PROPOSED DRAINAGE AT STATIONS 66+05 AND 78+97.

CONSTRUCT TEMPORARY PAVEMENT WIDENING ON THE NORTH SIDE OF US 150 FROM STA. 114+89.50 TO STA. 123+64.43, TO ALLOW FOR PHASE CONSTRUCTION OF THE 8' X 5' RCBC. A TEMPORARY EXTENSION OF THE EXISTING RCBC ON THE NORTH SIDE IS REQUIRED.

## PHASE 1B

SHIFT 2 LANES OF TRAFFIC TO THE EXISTING AND NEWLY WIDENED NORTHERN PORTION OF US 150. CONSTRUCT THE ULTIMATE AND TEMPORARY PAVEMENT ON THE SOUTH SIDE AS SHOWN, TEMPORARY WIDENING FROM STA. 5+00 TO STA. 14+20, ADJACENT TO ULTIMATE PAVEMENT AND ULTIMATE PAVEMENT FROM STA. 10+00 TO STA. 37+00 AND STA. 50+00 TO STA. 67+50. FROM STA. 37+00 TO 50+00 CONSTRUCT BOTTOM ASPHALT BASE LAYER (PART DEPTH ULTIMATE PAVEMENT). UTILIZE LEVELING WEDGING TO MAINTAIN POSITIVE DRAINAGE OVER WIDENED SECTION. LANE CLOSURES WILL BE REQUIRED TO CONSTRUCT THE WIDENING FROM STA. 5+00 TO STA. 20+00, FLAGGERS WILL BE REQUIRED. CONSTRUCT TEMPORARY WIDENING SHOWN ON THE SOUTH SIDE FROM STA. 67+50 TO STA. 95+50 AND STA. 106+00 TO STA. 132+00. WIDEN AT THE EXISTING ELEVATION AND CROSS SLOPE. STATION AND OFFSET FOR THESE LIMITS ARE NOTED ON THE PLANS. CONSTRUCT REMAINING PORTIONS OF PROPOSED DRAINAGE AT STATIONS 66+05 AND 78+97. CONSTRUCT RETAINING WALL AND SOUTH END OF RCBC AT 119+72

## PHASE 2

SHIFT TRAFFIC TO THE PREVIOUSLY CONSTRUCTED AND WIDENED SOUTH SIDE OF US 150 AND CONSTRUCT THE ENTIRE NORTH SIDE (ULTIMATE PAVEMENT WIDENING AND REPLACEMENT) FROM STA. 10+00 TO STA. 137+50. PLACE TEMPORARY CONCRETE BARRIER WALL FROM STA. 105+00 TO STA. 116+00, AND STA. 121+00 TO STA. 129+75, WITH TEMPORARY CRASH CUSHIONS AT EACH END, TO ALLOW THE FULL DEPTH PAVEMENT REPLACEMENT ADJACENT TO THE TRAVEL LANES. CONSTRUCT NORTH SIDE OF RCBC AT 119+72. CONSTRUCT ANY OTHER REMAINING PROPOSED DRAINAGE STRUCTURES.

IT WILL BE NECESSARY TO CLOSE GRUNDY HOME ROAD NEAR US 150 INTERSECTION TO COMPLETE TIE IN CONSTRUCTION. INSTALL VARIABLE MESSAGE BOARD TWO WEEKS PRIOR TO COMMUNICATE CLOSURE. ROAD CLOSURE SHALL BE LIMITED TO ONE WEEK DURATION.

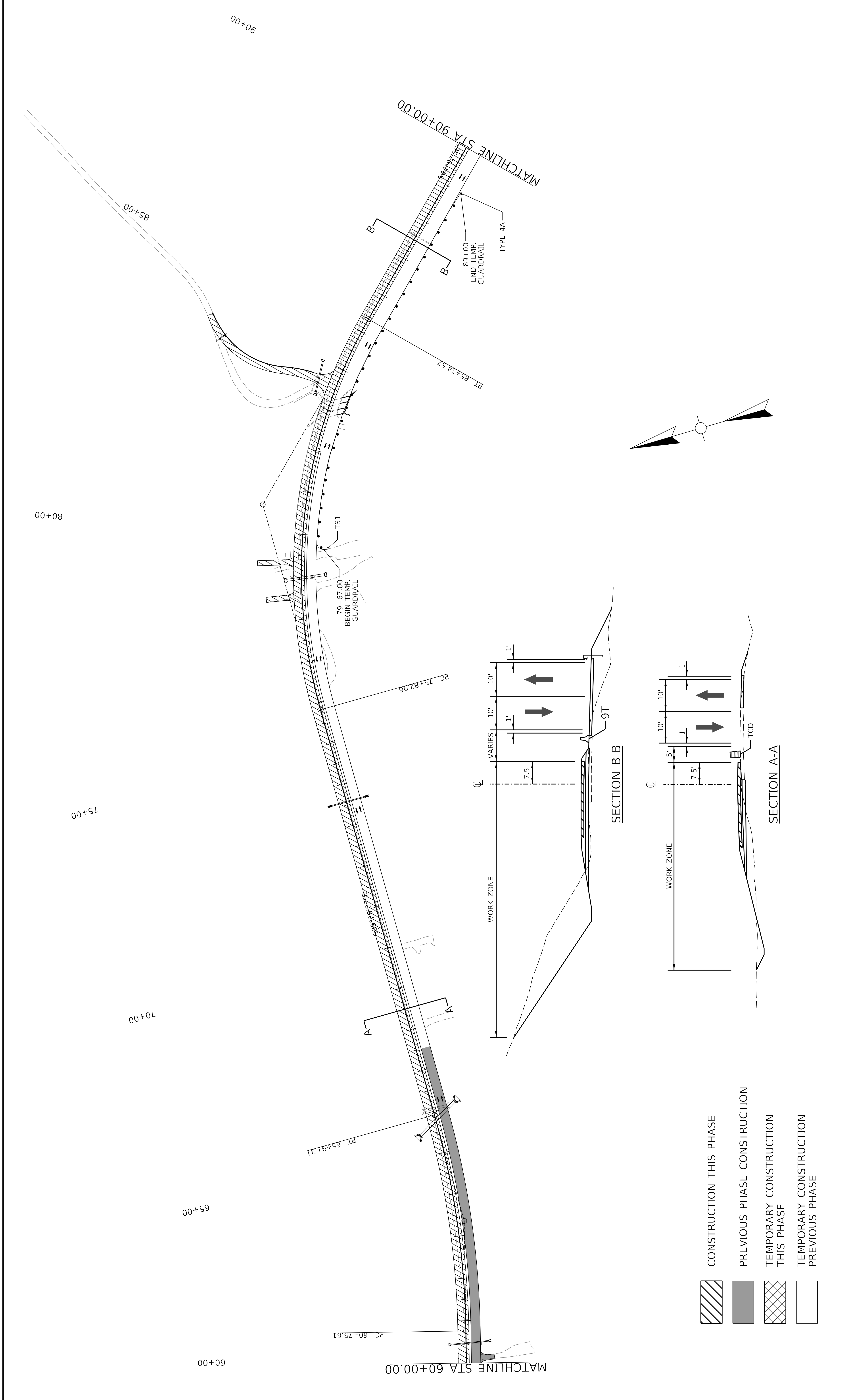
## PHASE 3

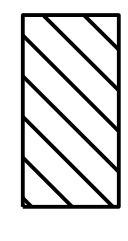
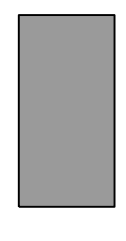
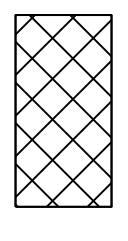
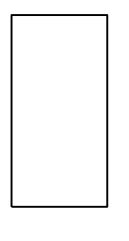
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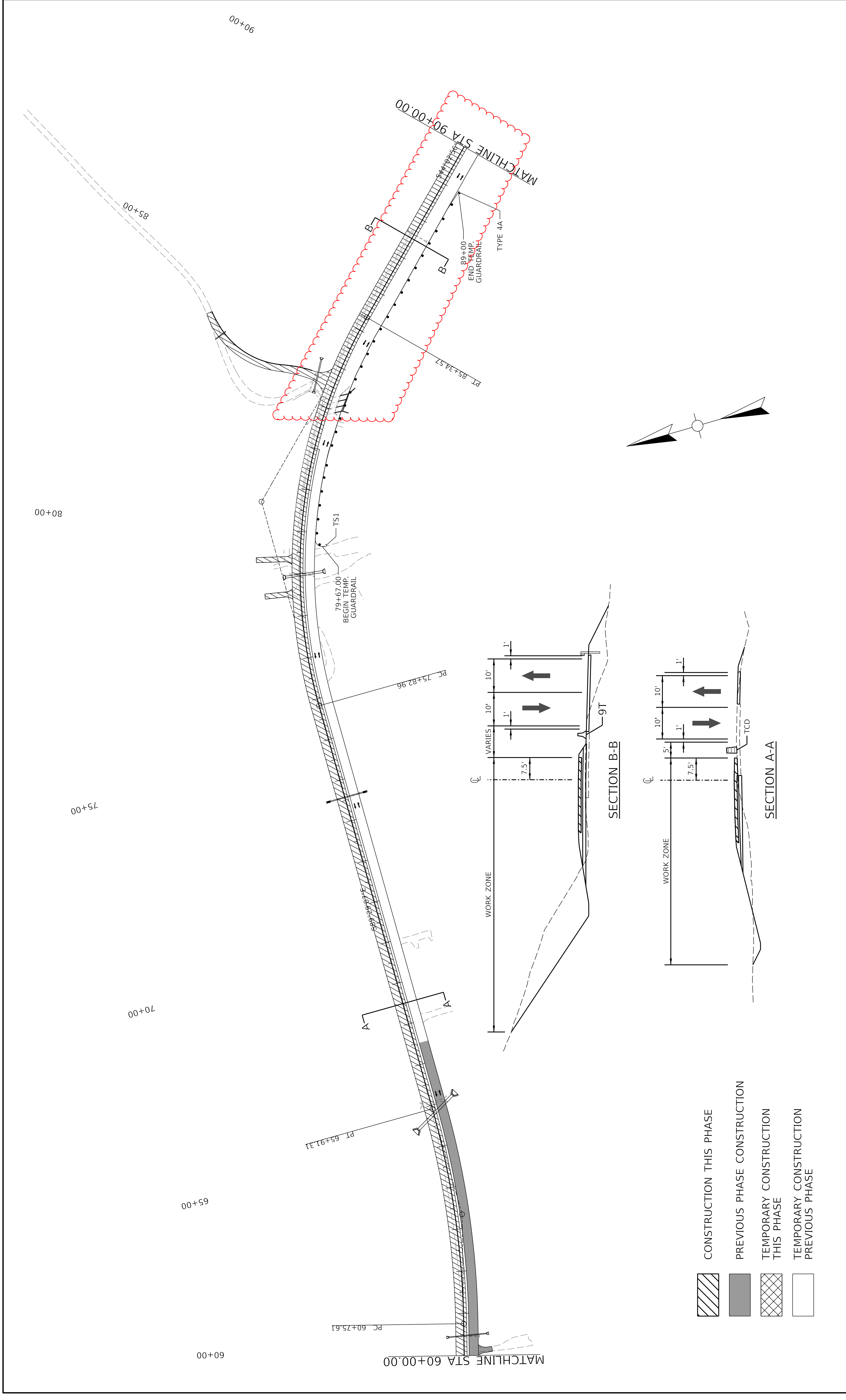
## PHASE 3B

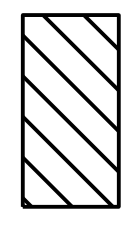
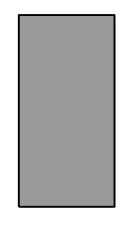
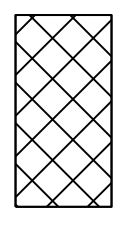
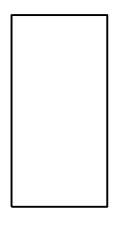
CLOSE GAP BETWEEN STA. 117+50 - 119+00 WITH TEMPORARY BARRIER WALL. REMOVE TEMPORARY BARRIER WALL FROM STA. 121+75 TO 135+75.50 COMPLETE CONSTRUCTION AS SHOWN IN PLANS





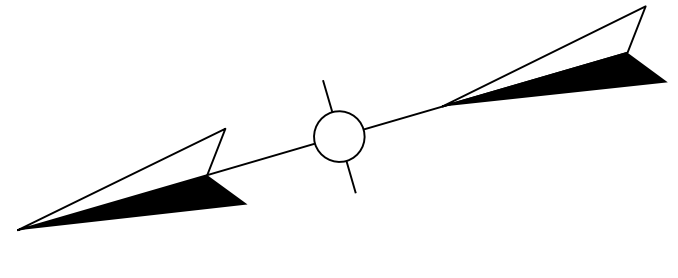
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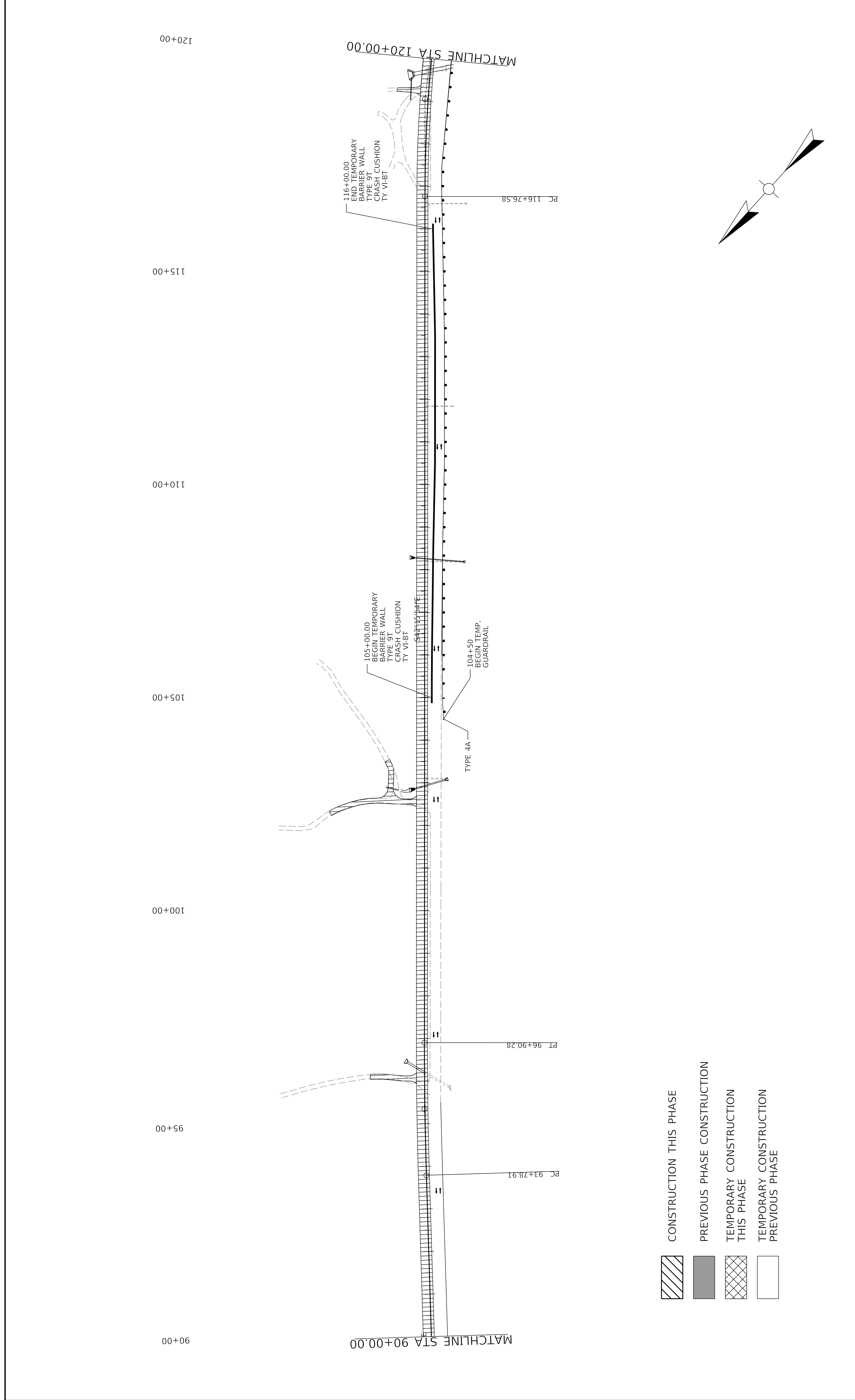


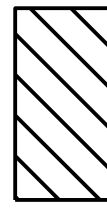

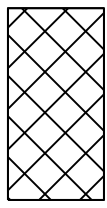
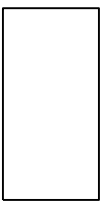
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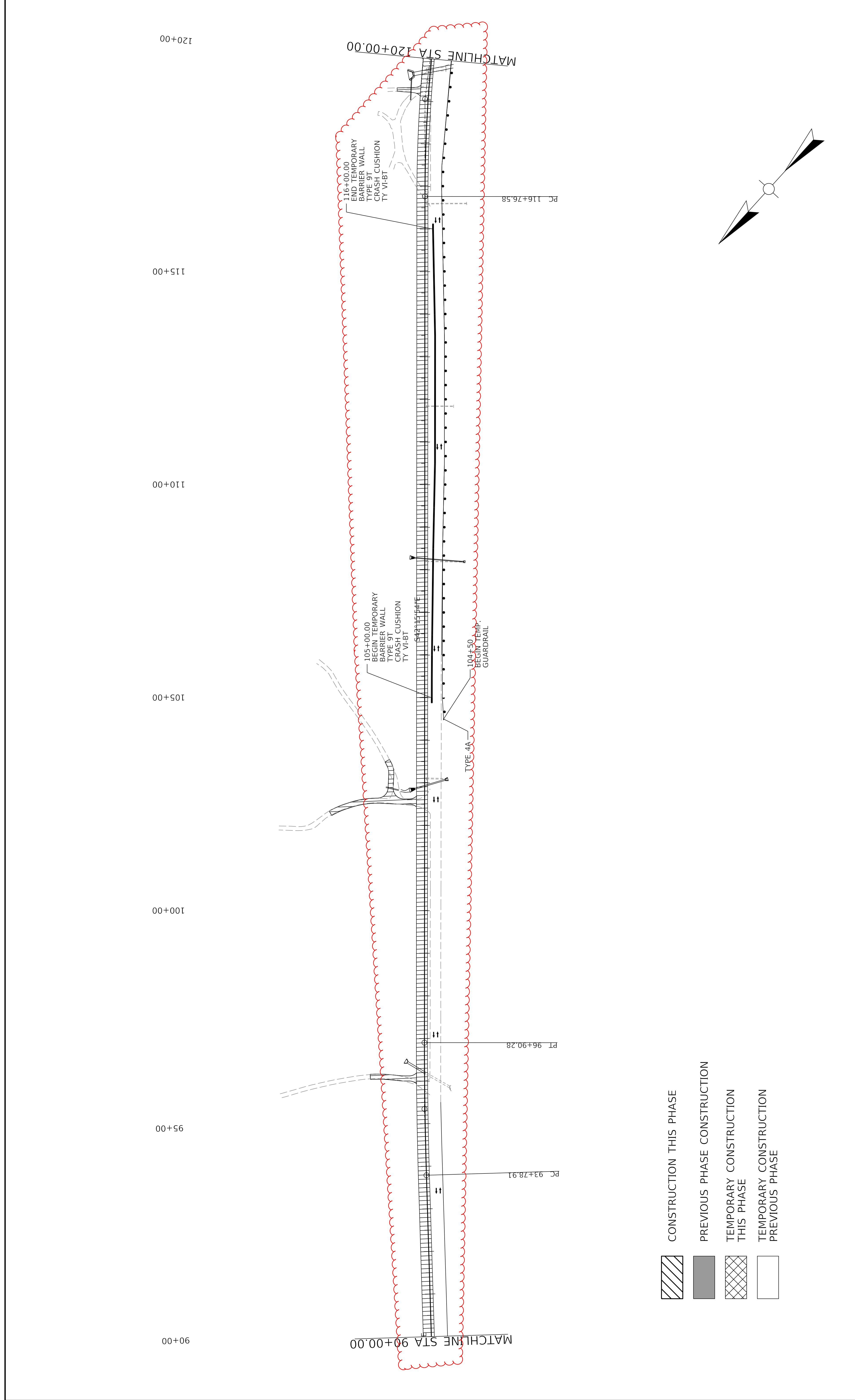
SECTION B-B

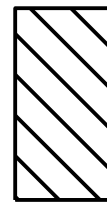

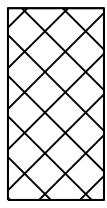
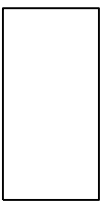
SECTION A-A


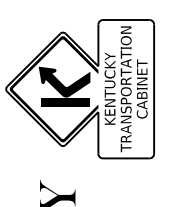
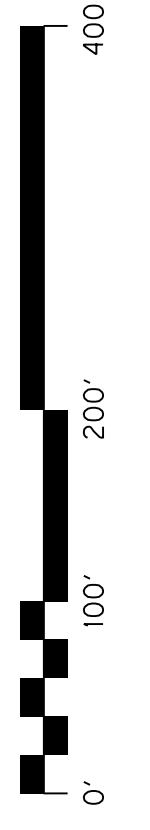




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 <b>COMMONWEALTH OF KENTUCKY</b> DEPARTMENT OF HIGHWAYS	 <b>US 150</b> <b>DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET</b> <b>PHASE 2</b>	<b>STA. 90+00 TO STA. 120+00</b>	COUNTY OF Washington ITEM NO. 04-396.20 SHEET NO. R66
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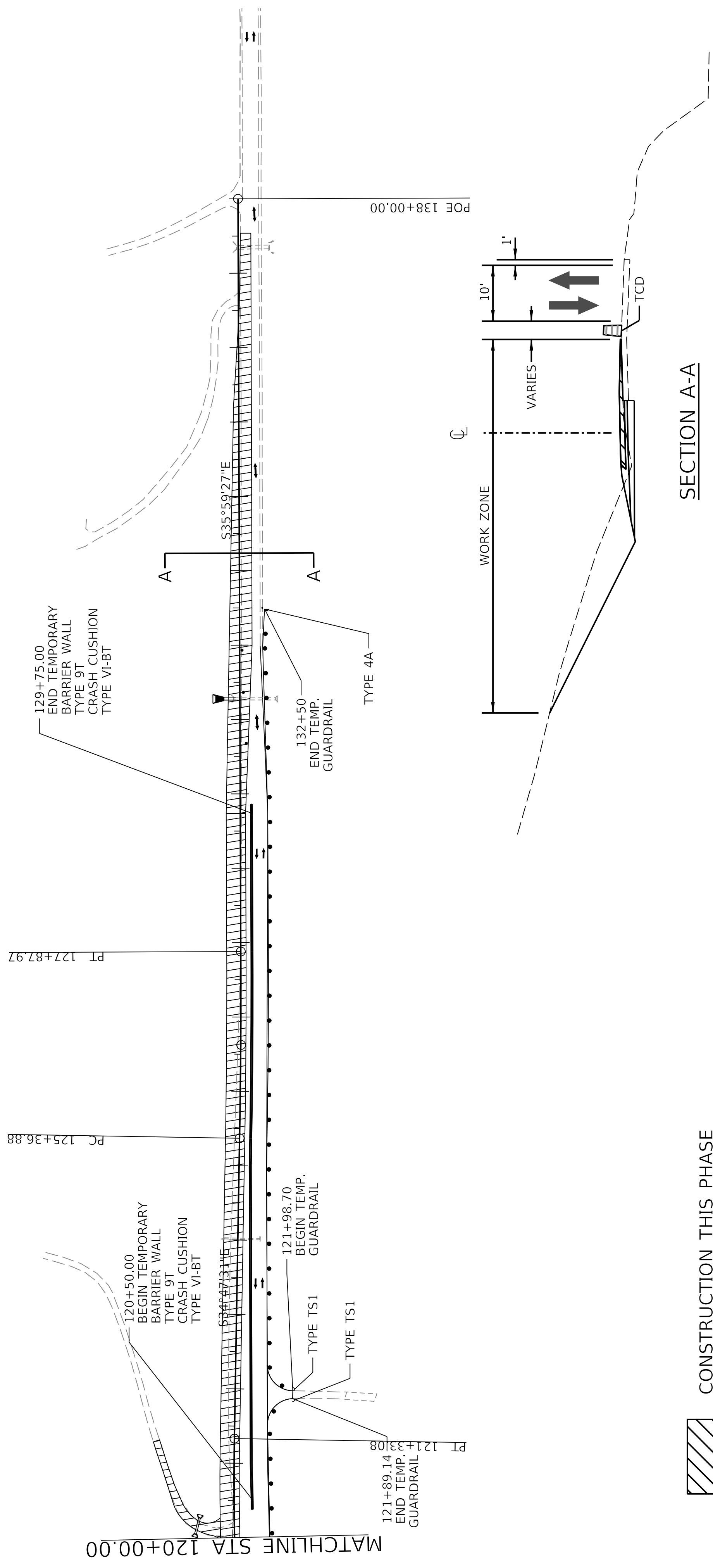



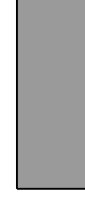
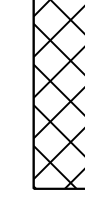
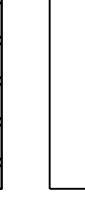
120+00

125+00

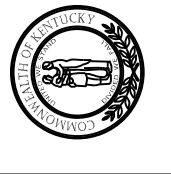
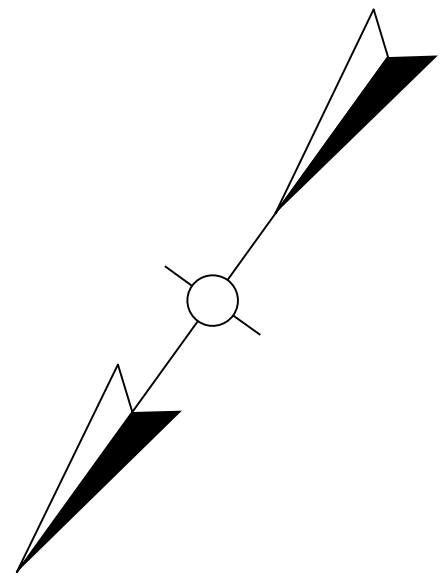
130+00

135+00



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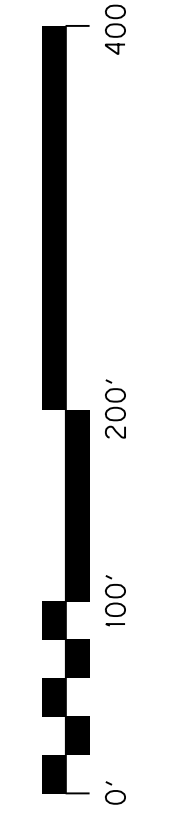
SECTION A-A



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

US 150  
DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET  
PHASE 2

HORIZONTAL SCALE  
SCALE: 1" = 100'



STA. 120+00 TO STA. 138+00

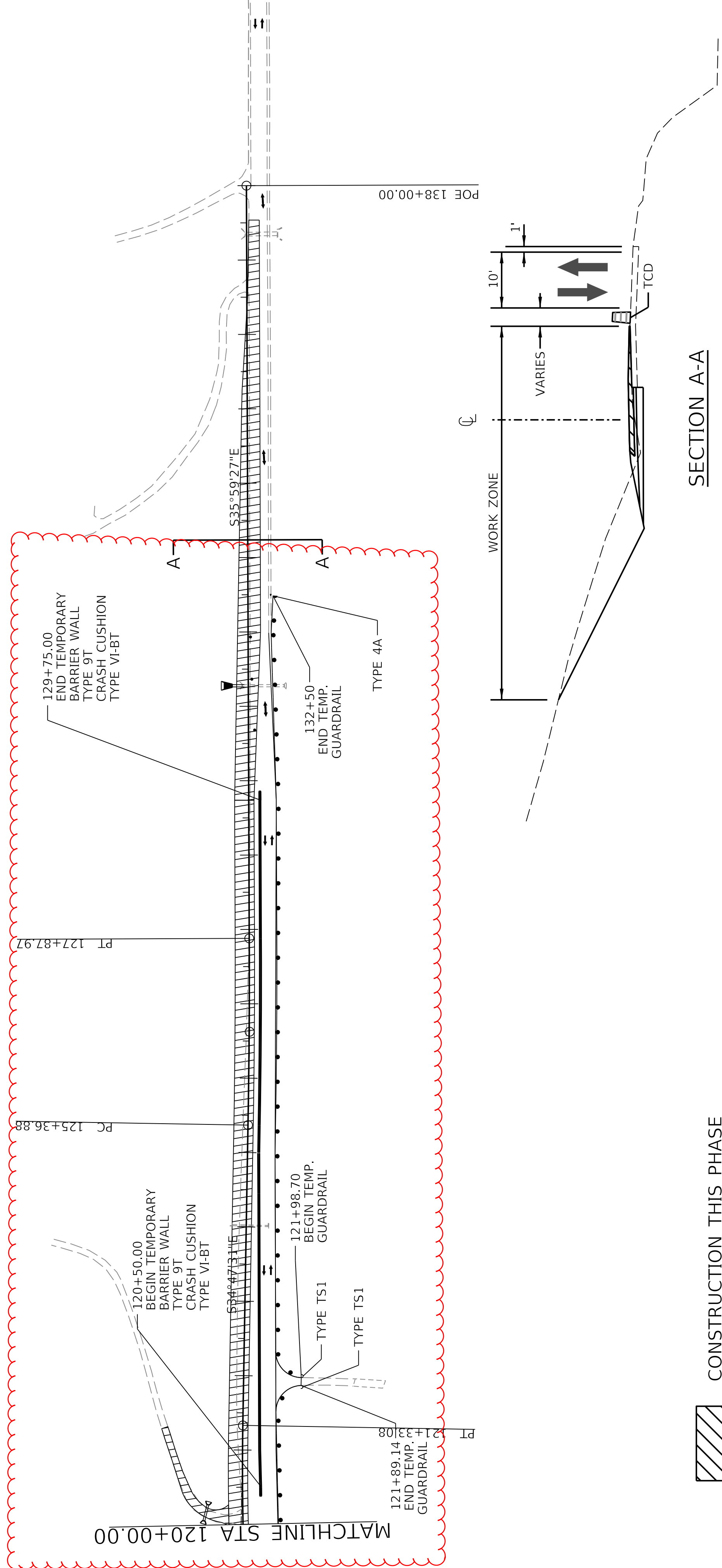
ITEM NO. 04-396.20 COUNTY OF Washington  
SHEET NO. R67


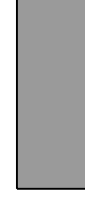
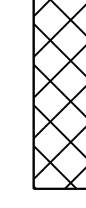
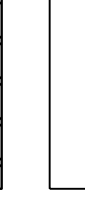
120+00

125+00

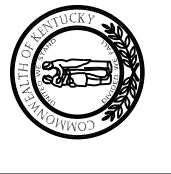
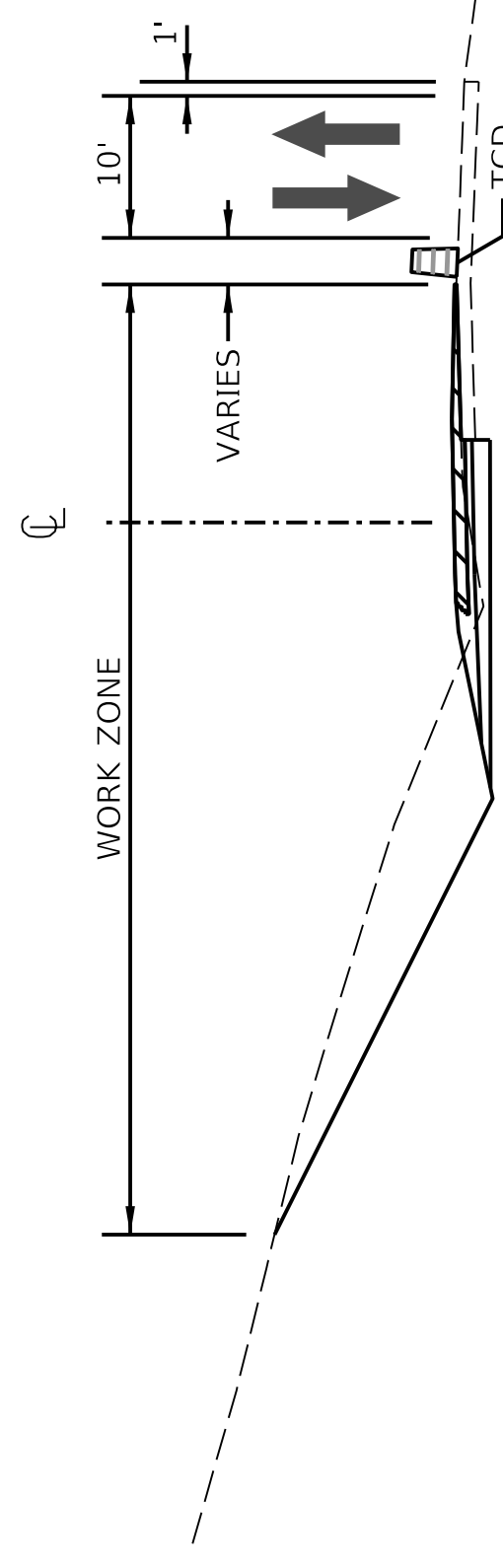
130+00

135+00



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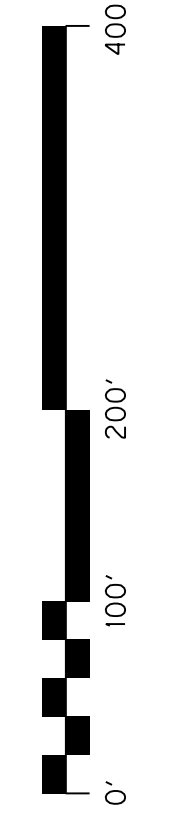
SECTION A-A



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

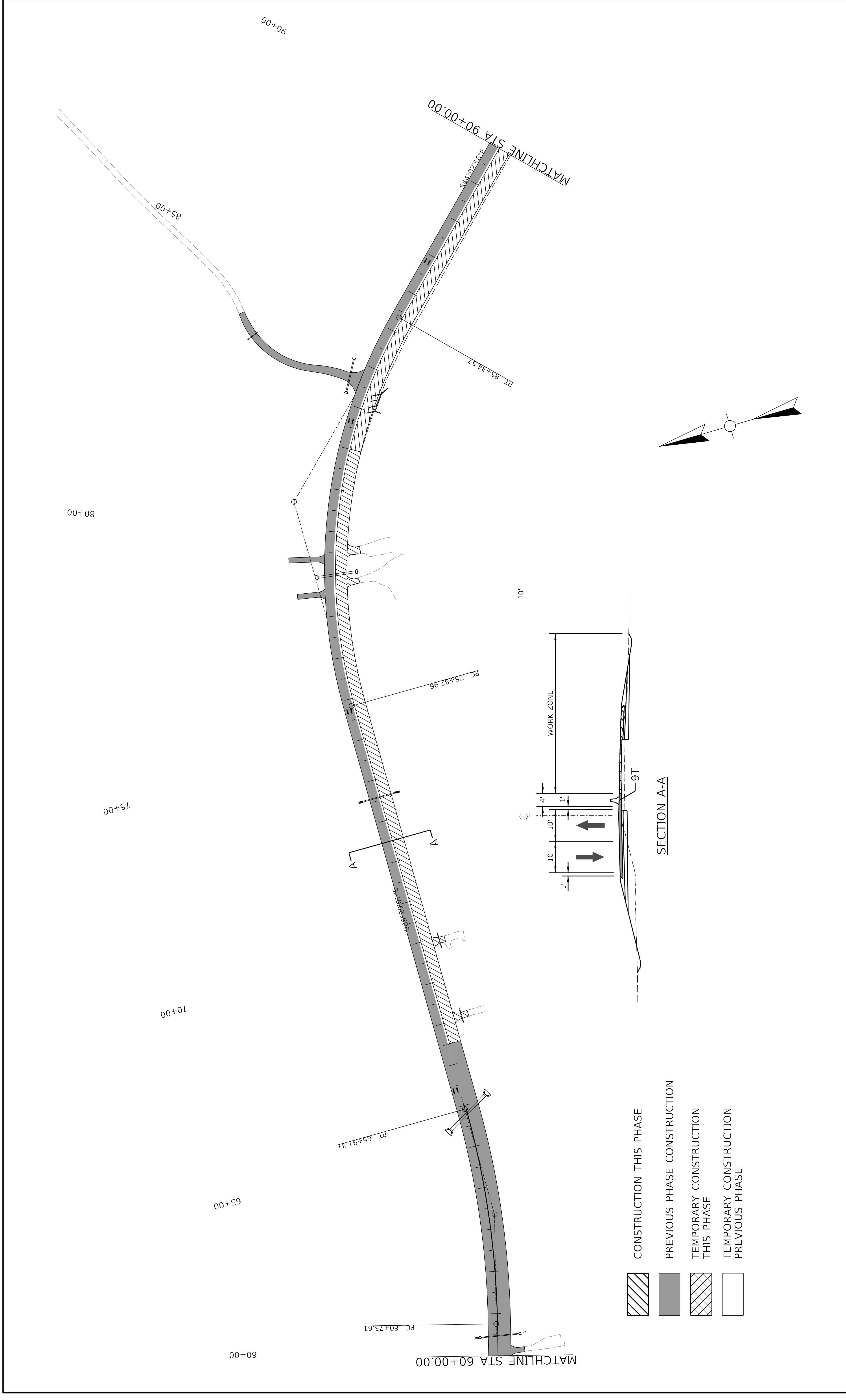
US 150  
DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET  
PHASE 2



HORIZONTAL SCALE  
SCALE: 1" = 100'



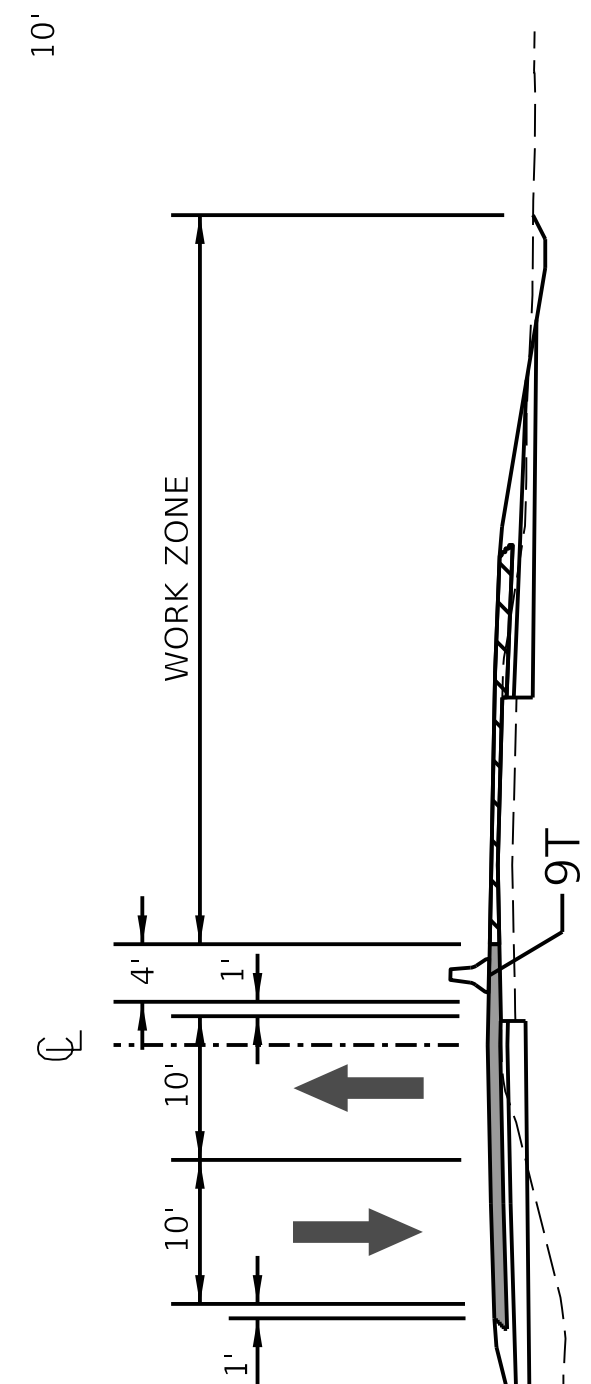
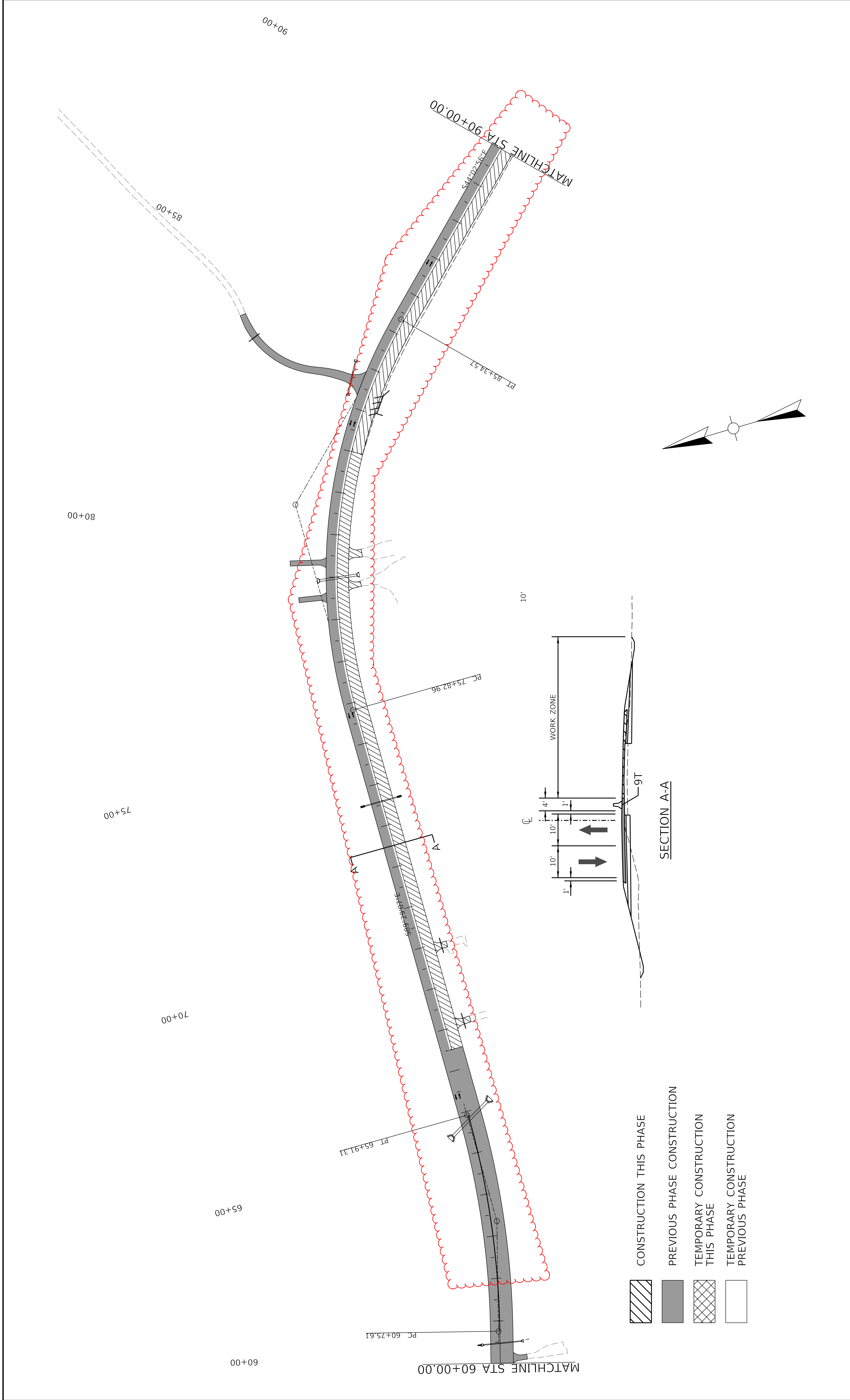
STA. 120+00 TO STA. 138+00



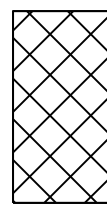
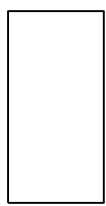
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SHEET NO. R67

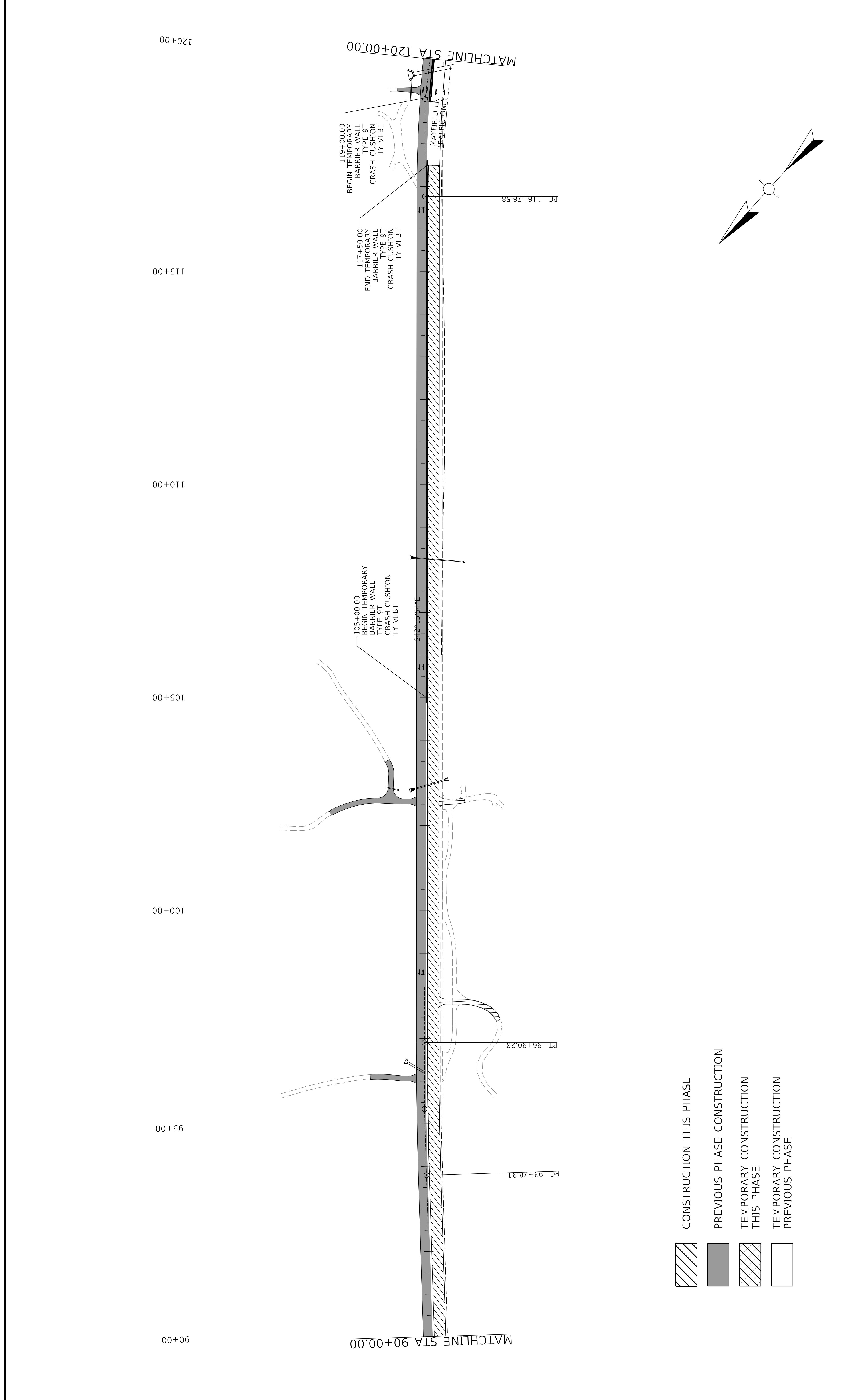


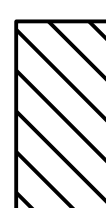
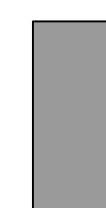
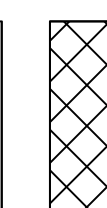
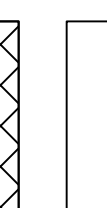
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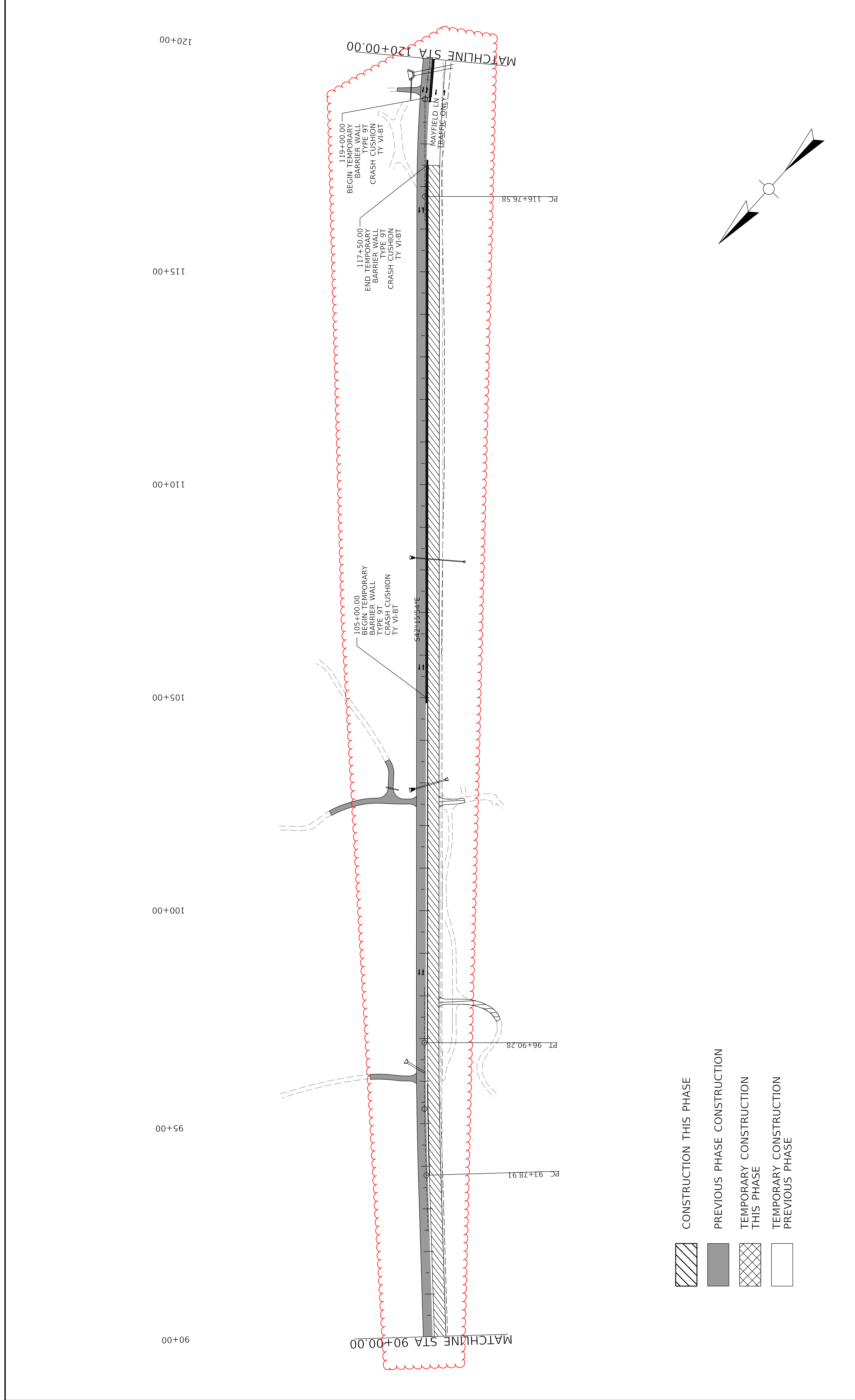
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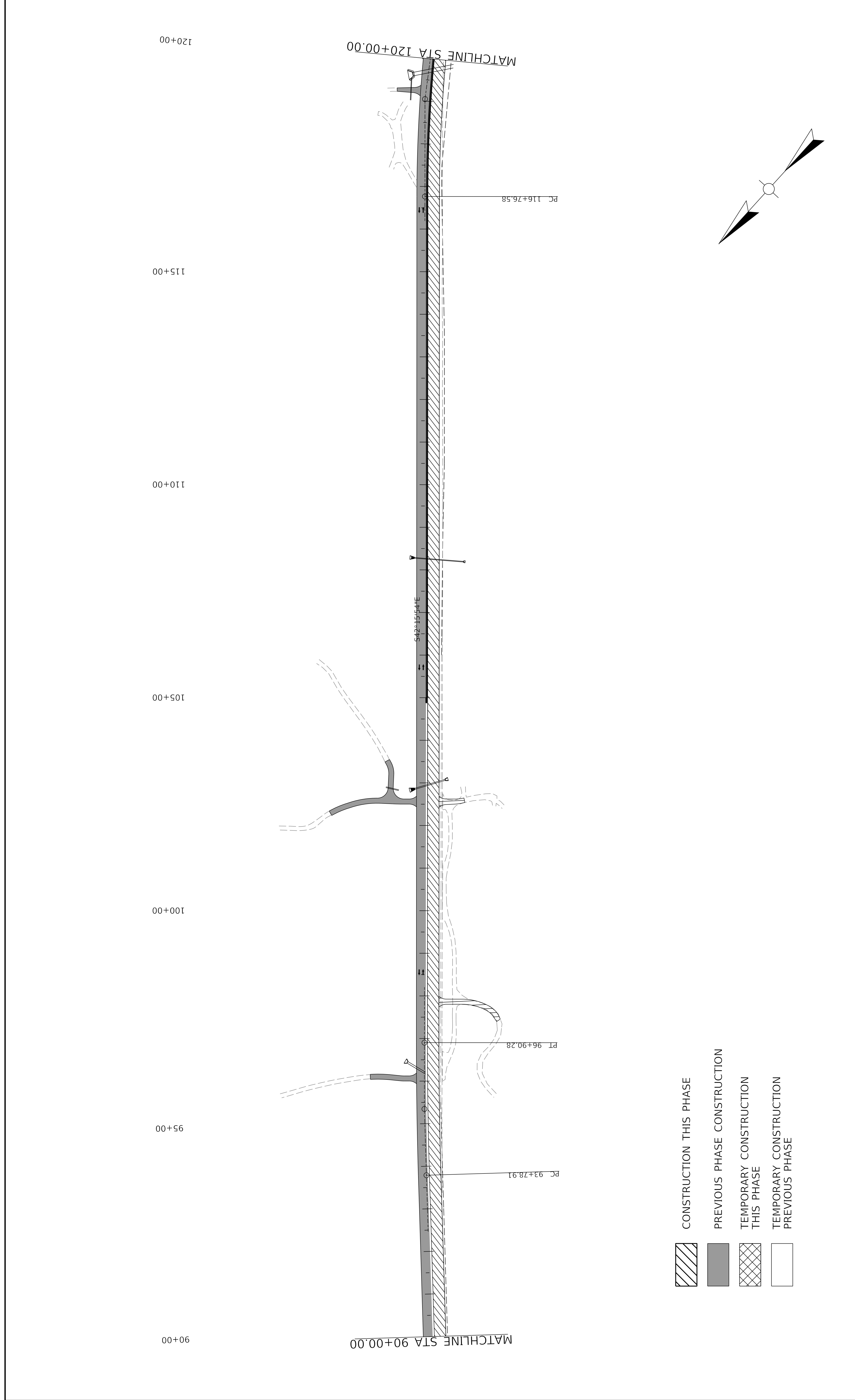
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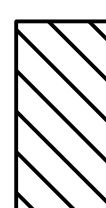
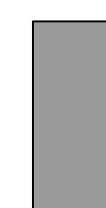
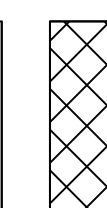
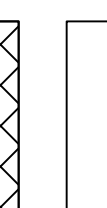



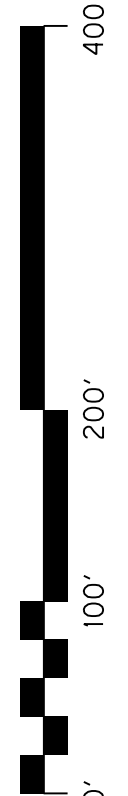
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-  TEMPORARY CONSTRUCTION PREVIOUS PHASE

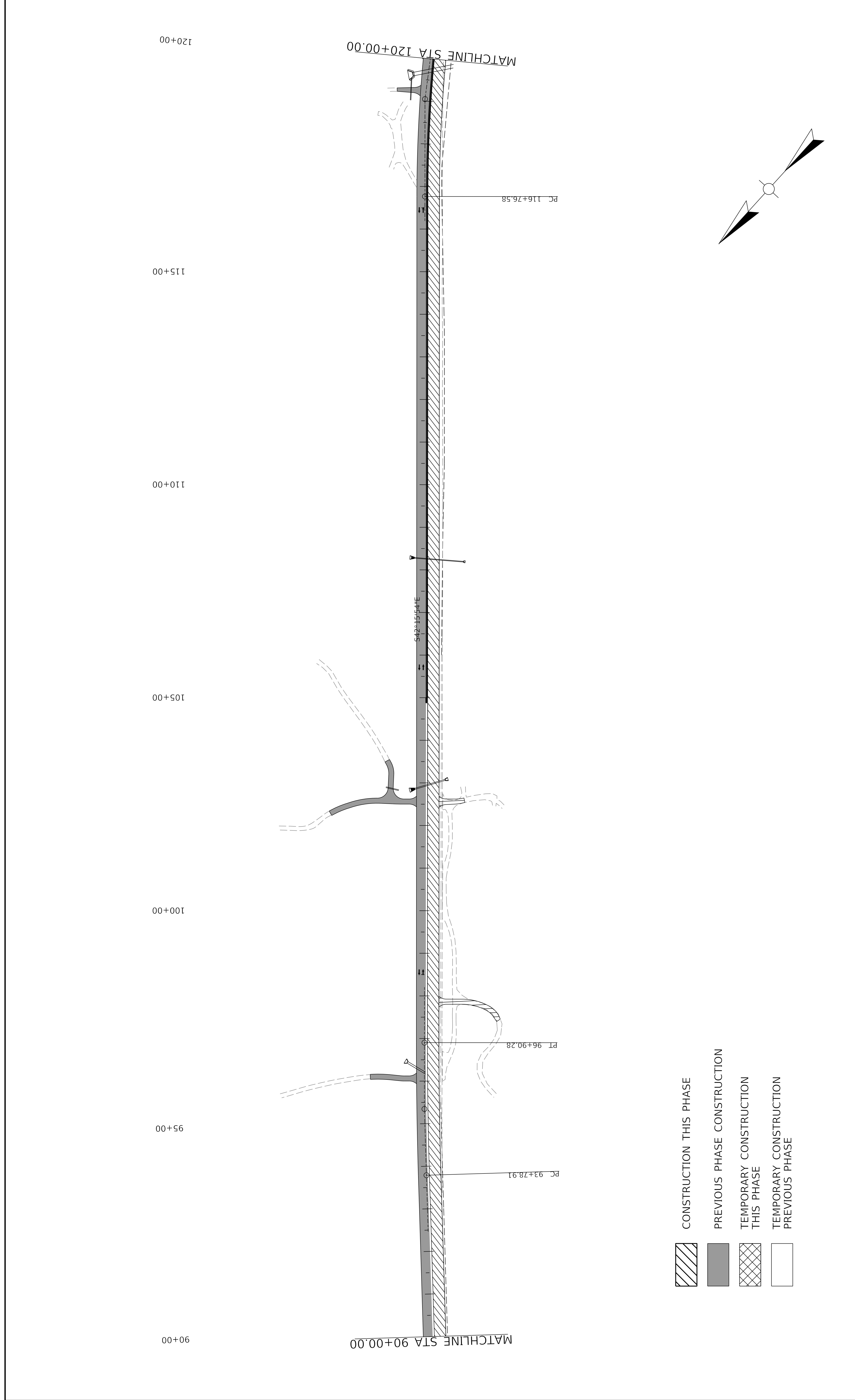


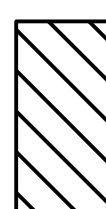
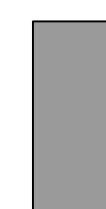
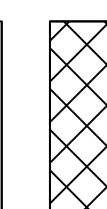
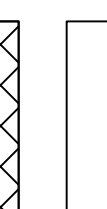
 <b>COMMONWEALTH OF KENTUCKY</b> DEPARTMENT OF HIGHWAYS	 <b>KENTUCKY</b> TRANSPORTATION CABINET	<b>US 150</b> <b>DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET</b> <b>PHASE 3A</b>	STA. 90+00 TO STA. 120+00  HORIZONTAL SCALE SCALE: 1" = 100'  
USER: ewdrake DATE PLOTTED: 9/7/2005 7:08:02 PM FILE NAME: C:\PW\WORKDIR\REV\ALDRAKE\00102808\04_00396_20_MOT_PHASE 3_SHEETS.DGN		COUNTY OF Washington ITEM NO. 04-396.20 SHEET NO. R70A	



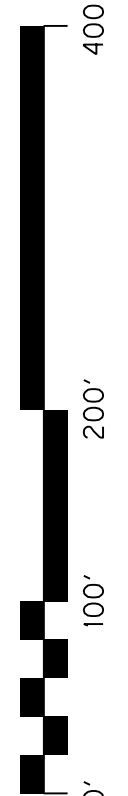


-  CONSTRUCTION THIS PHASE
-  PREVIOUS PHASE CONSTRUCTION
-  TEMPORARY CONSTRUCTION THIS PHASE
-  TEMPORARY CONSTRUCTION PREVIOUS PHASE

 <b>COMMONWEALTH OF KENTUCKY</b> DEPARTMENT OF HIGHWAYS	<b>US 150</b> <b>DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET</b> <b>PHASE 3B</b>	HORIZONTAL SCALE SCALE: 1" = 100'  	<b>STA. 90+00 TO STA. 120+00</b>  COUNTY OF Washington ITEM NO. 04-396.20 SHEET NO. R70C
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-  CONSTRUCTION THIS PHASE
-  PREVIOUS PHASE CONSTRUCTION
-  TEMPORARY CONSTRUCTION THIS PHASE
-  TEMPORARY CONSTRUCTION PREVIOUS PHASE

 <b>COMMONWEALTH OF KENTUCKY</b> DEPARTMENT OF HIGHWAYS	 <b>TRANSPORTATION</b> CABBINET	<b>US 150</b> <b>DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET</b> <b>PHASE 3B</b>	STA. 90+00 TO STA. 120+00 HORIZONTAL SCALE SCALE: 1" = 100' 	COUNTY OF Washington ITEM NO. 04-396.20 SHEET NO. R70C
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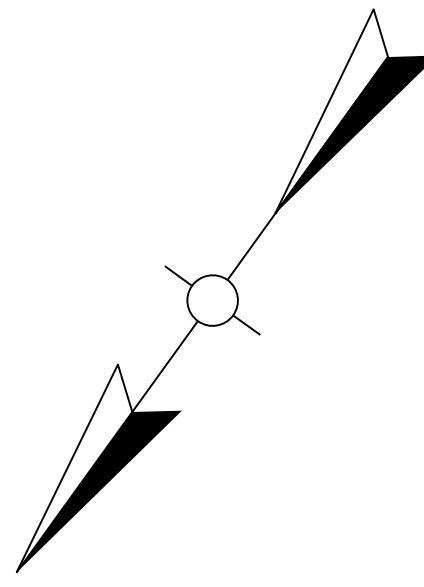
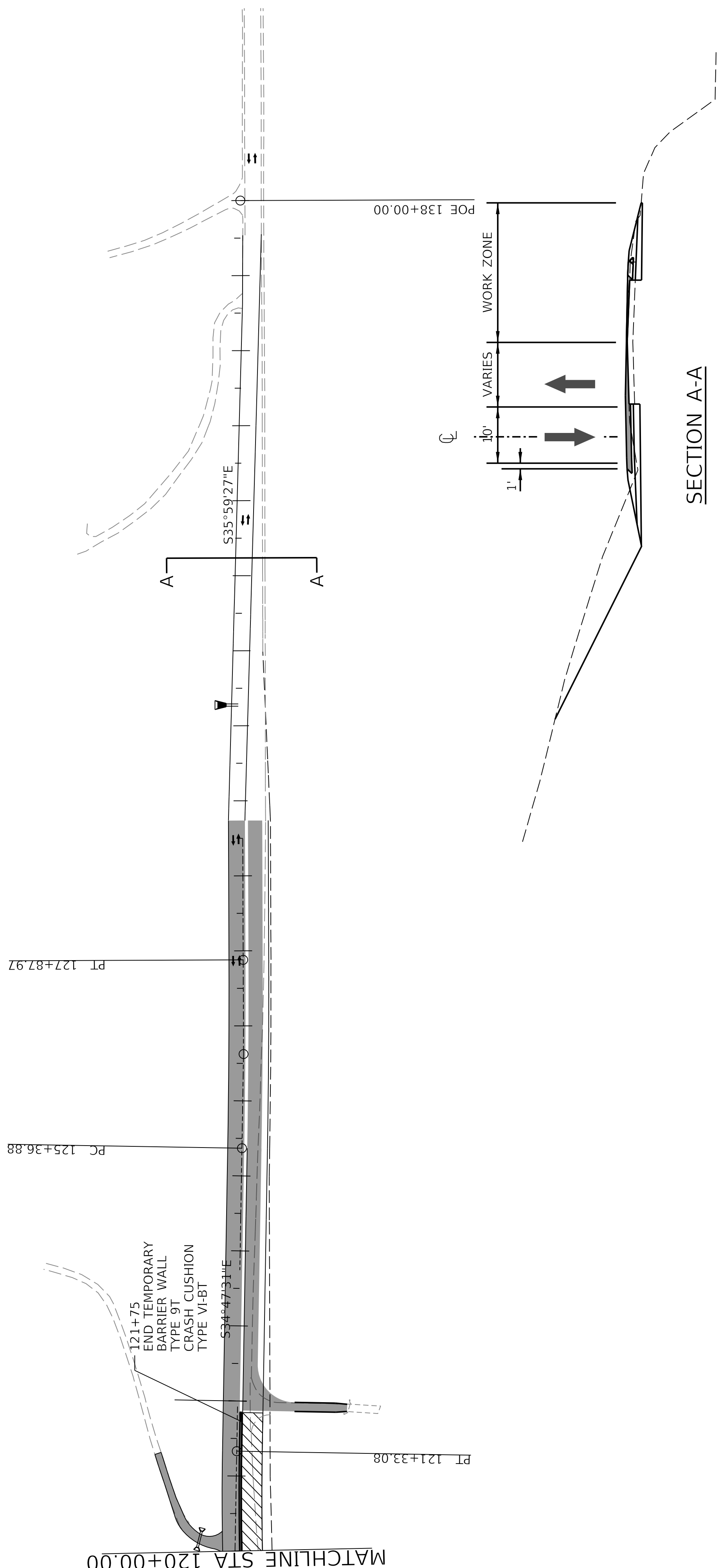
120+00

125+00

130+00

135+00

MATCHLINE STA 120+00.00

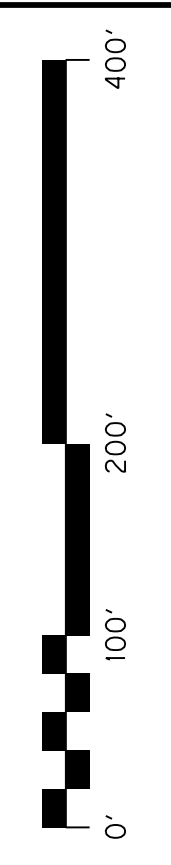


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



US 150  
DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET  
PHASE 3B

HORIZONTAL SCALE  
SCALE: 1" = 100'



STA. 120+00 TO STA. 138+00

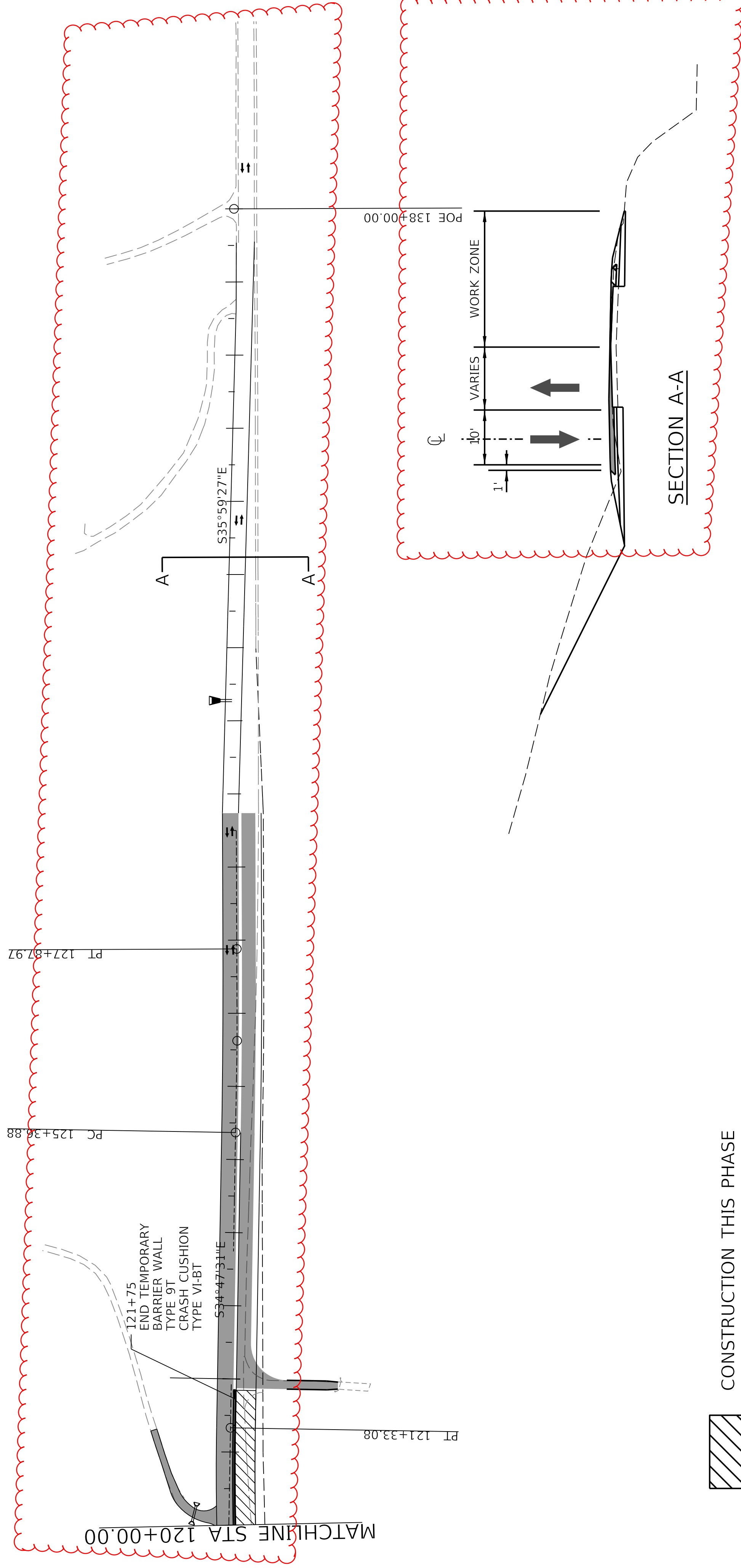
ITEM NO. 04-396.20 COUNTY OF Washington  
SHEET NO. R70D

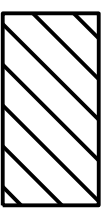

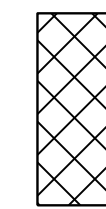

120+00

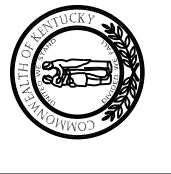
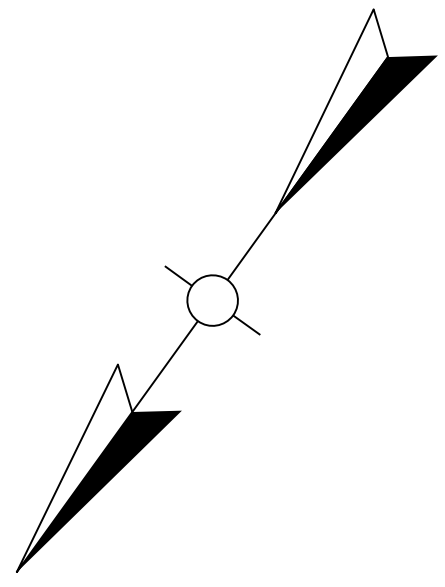
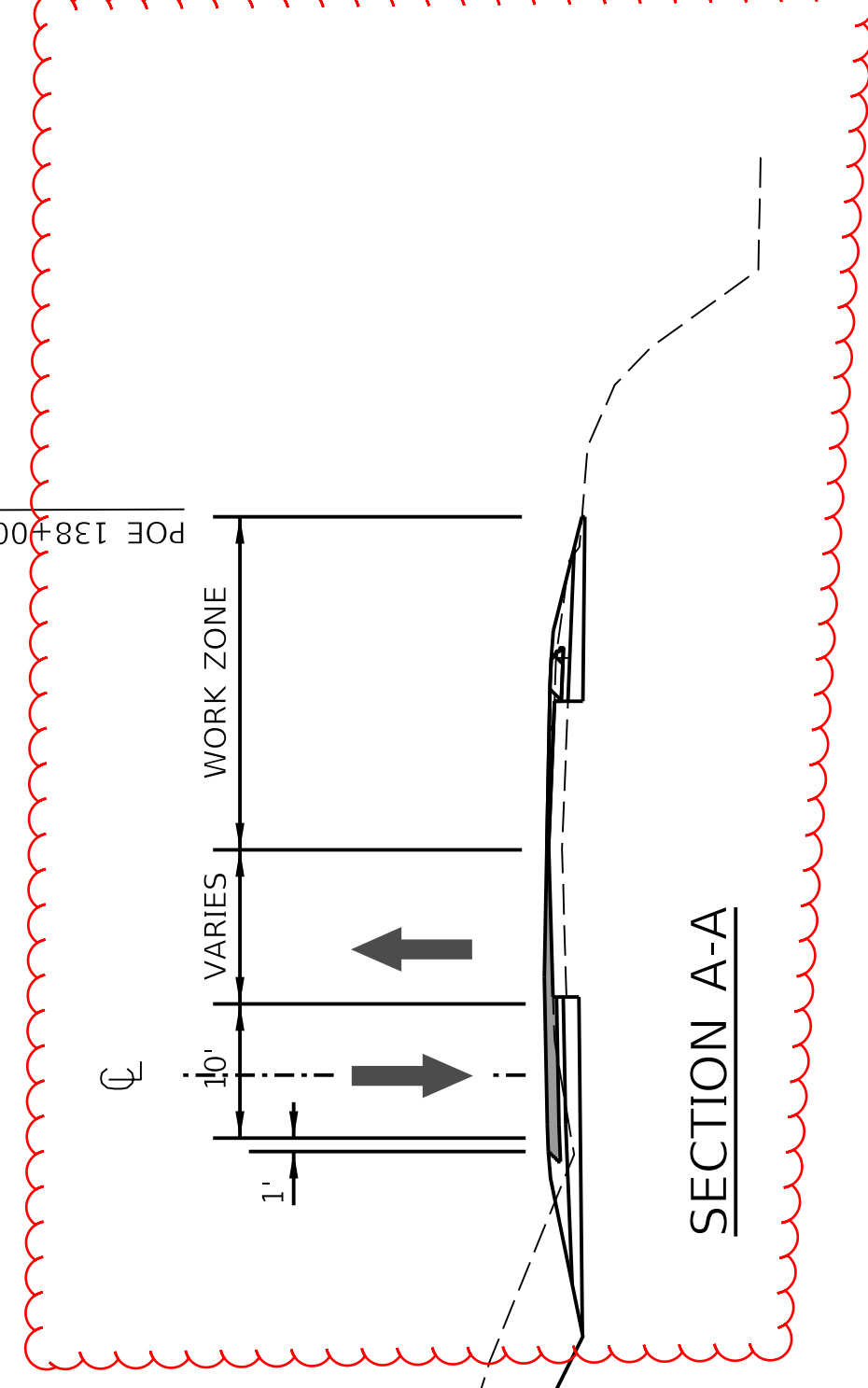
125+00

130+00

135+00



-  CONSTRUCTION THIS PHASE
-  PREVIOUS PHASE CONSTRUCTION
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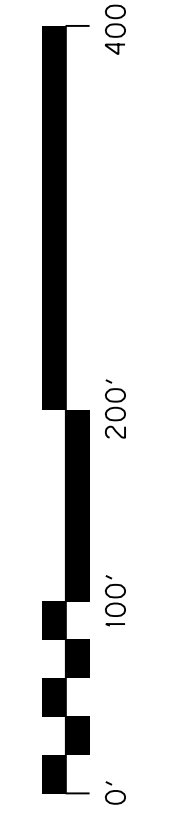


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



US 150  
DRAWING TITLE: MAINTENANCE OF TRAFFIC SHEET  
PHASE 3B

HORIZONTAL SCALE  
SCALE: 1" = 100'



STA. 120+00 TO STA. 138+00

ITEM NO. 04-396.20 COUNTY OF Washington  
SHEET NO. R70D