



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

September 22, 2020

CALL NO. 100
CONTRACT ID NO. 201305
ADDENDUM # 2

Subject: PULASKI COUNTY, NHPP 4611 (009)
Letting September 25, 2020

- (1) Revised - Proposal Bid Items - Pages 253-261 of 261
- (2) Added - Special Notes for Fiber Optic Cable and Fiber Termination Rack
- Pages 134(a)-134(f) of 261
- (3) Revised - Plan Sheets - R2, R2a, R2g, R2h, R2i, R2m, R2o, R2v, R2w, R2dd,
R144, R145, T1, T17, T21

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 black ink that reads "Rachel Mills".

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

RM:mr
Enclosures

PROPOSAL BID ITEMS

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE (REVISED: 9-11-20)	176,083.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	5,000.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	929.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	112.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22 (REVISED: 9-11-20)	19,501.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	15,761.00	TON		\$	
0070	00217		CL4 ASPH BASE 1.00D PG64-22	37,913.00	TON		\$	
0080	00219		CL4 ASPH BASE 1.00D PG76-22	46,111.00	TON		\$	
0090	00221		CL2 ASPH BASE 0.75D PG64-22 (REVISED: 9-11-20)	3,635.00	TON		\$	
0100	00301		CL2 ASPH SURF 0.38D PG64-22 (REVISED: 9-11-20)	1,302.00	TON		\$	
0110	00342		CL4 ASPH SURF 0.38A PG76-22	19,529.00	TON		\$	
0120	00388		CL3 ASPH SURF 0.38B PG64-22	5,641.00	TON		\$	
0130	02677		ASPHALT PAVE MILLING & TEXTURING	15,869.00	TON		\$	
0140	20071EC		JOINT ADHESIVE	205,825.00	LF		\$	
0150	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	5,273,734.00	SF		\$	
0160	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	198.00	TON		\$	
0170	24986EC		HMA ELECTRONIC DELIVERY MGMT SYSTEM	1.00	L S		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0180	00078		CRUSHED AGGREGATE SIZE NO 2	1,360.00	TON		\$	
0190	01000		PERFORATED PIPE-4 IN	863.00	LF		\$	
0200	01010		NON-PERFORATED PIPE-4 IN	116.00	LF		\$	
0210	01020		PERF PIPE HEADWALL TY 1-4 IN	2.00	EACH		\$	
0220	01028		PERF PIPE HEADWALL TY 3-4 IN	7.00	EACH		\$	
0230	01032		PERF PIPE HEADWALL TY 4-4 IN	1.00	EACH		\$	
0240	01691		FLUME INLET TYPE 2	9.00	EACH		\$	
0250	01810		STANDARD CURB AND GUTTER	1,472.00	LF		\$	
0260	01875		STANDARD HEADER CURB	216.00	LF		\$	
0270	01891		ISLAND HEADER CURB TYPE 2 (REVISED: 9-11-20)	58.00	LF		\$	
0280	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	116.00	EACH		\$	
0290	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	72.00	EACH		\$	
0300	01986		DELINEATOR FOR BARRIER WALL-B/Y	6.00	EACH		\$	
0310	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	151.00	EACH		\$	
0320	01990		DELINEATOR FOR BARRIER WALL-B/W	40.00	EACH		\$	
0330	02003		RELOCATE TEMP CONC BARRIER (REVISED: 9-11-20)	1,940.00	LF		\$	
0340	02014		BARRICADE-TYPE III	14.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02091		REMOVE PAVEMENT	11,775.00	SQYD		\$	
0360	02159		TEMP DITCH	22,680.00	LF		\$	
0370	02160		CLEAN TEMP DITCH	11,340.00	LF		\$	
0380	02200		ROADWAY EXCAVATION	2,913,773.00	CUYD		\$	
0390	02242		WATER	10,000.00	MGAL		\$	
0400	02262		FENCE-WOVEN WIRE TYPE 1 (REVISED: 9-11-20)	21,458.00	LF		\$	
0410	02268		REMOVE & REPLACE FENCE (REVISED: 9-11-20)	29,839.00	LF		\$	
0420	02351		GUARDRAIL-STEEL W BEAM-S FACE	22,350.00	LF		\$	
0430	02352		GUARDRAIL-STEEL W BEAM-D FACE	275.00	LF		\$	
0440	02360		GUARDRAIL TERMINAL SECTION NO 1	12.00	EACH		\$	
0450	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	13.00	EACH		\$	
0460	02365		CRASH CUSHION TYPE IX-A	2.00	EACH		\$	
0470	02367		GUARDRAIL END TREATMENT TYPE 1	26.00	EACH		\$	
0480	02369		GUARDRAIL END TREATMENT TYPE 2A	29.00	EACH		\$	
0490	02381		REMOVE GUARDRAIL	6,749.00	LF		\$	
0500	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	5.00	EACH		\$	
0510	02391		GUARDRAIL END TREATMENT TYPE 4A	3.00	EACH		\$	
0520	02429		RIGHT-OF-WAY MONUMENT TYPE 1	92.00	EACH		\$	
0530	02432		WITNESS POST	22.00	EACH		\$	
0540	02471		FILL AND CAP SINKHOLE	2.00	EACH		\$	
0550	02488		CHANNEL LINING CLASS IV (REVISED: 9-11-20)	35,976.00	CUYD		\$	
0560	02545		CLEARING AND GRUBBING APPROX 305 ACRES (REVISED: 9-22-20)	1.00	LS		\$	
0570	02555		CONCRETE-CLASS B	372.75	CUYD		\$	
0580	02562		TEMPORARY SIGNS	3,280.00	SQFT		\$	
0590	02585		EDGE KEY	317.00	LF		\$	
0600	02602		FABRIC-GEOTEXTILE CLASS 1 (FOR PIPE)	30,000.00	SQYD		\$	
0610	02603		FABRIC-GEOTEXTILE CLASS 2	6,200.00	SQYD		\$	
0620	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	25,764.00	SQYD	\$2.00	\$	\$51,528.00
0630	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0640	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0650	02671		PORTABLE CHANGEABLE MESSAGE SIGN	10.00	EACH		\$	
0660	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0670	02690		SAFELOADING	288.00	CUYD		\$	
0680	02692		SETTLEMENT PLATFORM	2.00	EACH		\$	
0690	02696		SHOULDER RUMBLE STRIPS	93,479.00	LF		\$	
0700	02701		TEMP SILT FENCE	22,680.00	LF		\$	
0710	02703		SILT TRAP TYPE A	346.00	EACH		\$	
0720	02704		SILT TRAP TYPE B	346.00	EACH		\$	
0730	02705		SILT TRAP TYPE C	346.00	EACH		\$	
0740	02706		CLEAN SILT TRAP TYPE A	346.00	EACH		\$	
0750	02707		CLEAN SILT TRAP TYPE B	346.00	EACH		\$	
0760	02708		CLEAN SILT TRAP TYPE C	346.00	EACH		\$	
0770	02726		STAKING	1.00	LS		\$	
0790	02775		ARROW PANEL	4.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0800	02898		RELOCATE CRASH CUSHION (REVISED: 9-11-20)	7.00	EACH		\$	
0810	02929		CRASH CUSHION TYPE IX	2.00	EACH		\$	
0820	03171		CONCRETE BARRIER WALL TYPE 9T (REVISED: 9-11-20)	1,140.00	LF		\$	
0830	03340		STEEL PIPE-2 1/2 IN	73.50	LF		\$	
0840	03343		STEEL PIPE-4 IN	73.50	LF		\$	
0850	05950		EROSION CONTROL BLANKET	43,705.00	SQYD		\$	
0860	05952		TEMP MULCH	1,115,078.00	SQYD		\$	
0870	05953		TEMP SEEDING AND PROTECTION	836,309.00	SQYD		\$	
0880	05963		INITIAL FERTILIZER	173.00	TON		\$	
0890	05964		MAINTENANCE FERTILIZER	87.00	TON		\$	
0900	05985		SEEDING AND PROTECTION	1,017,445.00	SQYD		\$	
0910	05992		AGRICULTURAL LIMESTONE	1,037.00	TON		\$	
0920	06401		FLEXIBLE DELINEATOR POST-M/W	146.00	EACH		\$	
0930	06404		FLEXIBLE DELINEATOR POST-M/Y	108.00	EACH		\$	
0940	06510		PAVE STRIPING-TEMP PAINT-4 IN	62,500.00	LF		\$	
0950	06511		PAVE STRIPING-TEMP PAINT-6 IN	513,050.00	LF		\$	
0960	06514		PAVE STRIPING-PERM PAINT-4 IN	14,390.00	LF		\$	
0970	06540		PAVE STRIPING-THERMO-4 IN W (REVISED: 9-11-20)	7,920.00	LF		\$	
0980	06541		PAVE STRIPING-THERMO-4 IN Y (REVISED: 9-11-20)	7,815.00	LF		\$	
0990	06546		PAVE STRIPING-THERMO-12 IN W	4,010.00	LF		\$	
1000	06547		PAVE STRIPING-THERMO-12 IN Y	310.00	LF		\$	
1010	06550		PAVE STRIPING-TEMP REM TAPE-W	25,120.00	LF		\$	
1020	06551		PAVE STRIPING-TEMP REM TAPE-Y	26,120.00	LF		\$	
1030	06556		PAVE STRIPING-DUR TY 1-6 IN W	1,444.00	LF		\$	
1040	06557		PAVE STRIPING-DUR TY 1-6 IN Y	1,050.00	LF		\$	
1050	06568		PAVE MARKING-THERMO STOP BAR-24IN	355.00	LF		\$	
1060	06574		PAVE MARKING-THERMO CURV ARROW	123.00	EACH		\$	
1070	06588		PAVEMENT MARKER TY IVA-BY TEMP	434.00	EACH		\$	
1080	08100		CONCRETE-CLASS A (FOR PIPE COLLARS)	59.43	CUYD		\$	
1090	08150		STEEL REINFORCEMENT	447.00	LB		\$	
1110	08903		CRASH CUSHION TY VI CLASS BT TL3	2.00	EACH		\$	
1120	10020NS		FUEL ADJUSTMENT	805,043.00	DOLL	\$1.00	\$	\$805,043.00
1130	10030NS		ASPHALT ADJUSTMENT	583,930.00	DOLL	\$1.00	\$	\$583,930.00
1140	20000ES724		TREE	1,070.00	EACH		\$	
1150	20001ES724		SHRUB	416.00	EACH		\$	
1160	20100ES842		PAVE MARK TEMP PAINT LINE ARROW	50.00	EACH		\$	
1170	20191ED		OBJECT MARKER TY 3	29.00	EACH		\$	
1180	21430ES508		CONC MEDIAN BARRIER TYPE 12C(50)	546.50	LF		\$	
1190	23010EN		PAVE MARK TEMP PAINT STOP BAR-24 IN	1,236.00	LF		\$	
1200	23260EC		PAVE MARK-THERMO-24 IN Y	2,718.00	LF		\$	
1210	23274EN11F		TURF REINFORCEMENT MAT 1	2,334.00	SQYD		\$	
1220	23484EC		PIPE LINER ACCEPTANCE TESTING	1.00	LS		\$	
1230	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	3.00	EACH		\$	
1240	24489EC		INLAID PAVEMENT MARKER	2,228.00	EACH		\$	
1250	24679ED		PAVE MARK THERMO CHEVRON	455.00	SQFT		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1260	24768EC		LANE SEPARATOR CURB	140.00	LF		\$	
1270	24814EC		PIPELINE INSPECTION	6,808.00	LF		\$	
1280	24862EC		PVC FOLD AND FORM PIPE LINER-18 IN (REVISED: 9-11-20)	223.00	LF		\$	
1290	24863EC		PVC FOLD AND FORM PIPE LINER-24 IN	239.00	LF		\$	
1300	24864EC		PVC FOLD AND FORM PIPE LINER-30 IN	109.00	LF		\$	
1310	24865EC		PVC FOLD AND FORM PIPE LINER-36 IN	653.00	LF		\$	
1320	25008EC		PAVE STRIPING-THERMO-6 IN W-WET REFLECT	83,374.00	LF		\$	
1330	25009EC		PAVE STRIPING-THERMO-6 IN Y-WET REFLECT	87,516.00	LF		\$	
1340	25019EC		GROOVE FOR PAVE STRIPING - 7 IN	155,657.00	LF		\$	
1350	25100ED		CONSTRUCTED RIFFLES	2,415.00	SQYD		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1360	00441		ENTRANCE PIPE-18 IN	248.00	LF		\$	
1370	00443		ENTRANCE PIPE-24 IN (REVISED: 9-11-20)	252.00	LF		\$	
1380	00445		ENTRANCE PIPE-30 IN	134.00	LF		\$	
1390	00462		CULVERT PIPE-18 IN	564.00	LF		\$	
1400	00464		CULVERT PIPE-24 IN	2,044.00	LF		\$	
1410	00466		CULVERT PIPE-30 IN	198.00	LF		\$	
1420	00468		CULVERT PIPE-36 IN	302.00	LF		\$	
1430	00470		CULVERT PIPE-48 IN (REVISED: 9-11-20)	98.00	LF		\$	
1440	00471		CULVERT PIPE-54 IN	188.00	LF		\$	
1450	00472		CULVERT PIPE-60 IN	1,061.00	LF		\$	
1460	00521		STORM SEWER PIPE-15 IN	1,270.00	LF		\$	
1470	00522		STORM SEWER PIPE-18 IN	111.00	LF		\$	
1480	00526		STORM SEWER PIPE-30 IN	937.00	LF		\$	
1490	01204		PIPE CULVERT HEADWALL-18 IN	12.00	EACH		\$	
1500	01208		PIPE CULVERT HEADWALL-24 IN	19.00	EACH		\$	
1510	01210		PIPE CULVERT HEADWALL-30 IN	5.00	EACH		\$	
1520	01212		PIPE CULVERT HEADWALL-36 IN	8.00	EACH		\$	
1530	01216		PIPE CULVERT HEADWALL-48 IN	6.00	EACH		\$	
1540	01220		PIPE CULVERT HEADWALL-60 IN	6.00	EACH		\$	
1550	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		\$	
1560	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	
1570	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		\$	
1580	01456		CURB BOX INLET TYPE A	7.00	EACH		\$	
1590	01487		CURB BOX INLET TYPE F	1.00	EACH		\$	
1600	01490		DROP BOX INLET TYPE 1	2.00	EACH		\$	
1610	01493		DROP BOX INLET TYPE 2	1.00	EACH		\$	
1620	01505		DROP BOX INLET TYPE 5B	5.00	EACH		\$	
1630	01511		DROP BOX INLET TYPE 5D	5.00	EACH		\$	
1640	01517		DROP BOX INLET TYPE 5F	4.00	EACH		\$	
1650	01608		CONC MED BARR BOX INLET TY 12B1	5.00	EACH		\$	
1660	01650		JUNCTION BOX	6.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1670	01756		MANHOLE TYPE A	2.00	EACH		\$	
1680	01767		MANHOLE TYPE C	1.00	EACH		\$	
1685	23124EN		BORE AND JACK PIPE-48 IN (ADDED: 9-11-20)	153.00	LF		\$	
1690	23952EC		DRAINAGE JUNCTION BOX TY B	2.00	EACH		\$	
1700	24026EC		PIPE CULVERT HEADWALL-54 IN	4.00	EACH		\$	
1710	25116EC		BORE AND JACK PIPE-54 IN	68.00	LF		\$	

Section: 0004 - BRIDGE - #28314 - KY 461 STA 142+27.90 (TWIN)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	02231		STRUCTURE GRANULAR BACKFILL	1,812.00	CUYD		\$	
1730	02998		MASONRY COATING	5,090.00	SQYD		\$	
1740	03299		ARMORED EDGE FOR CONCRETE	313.00	LF		\$	
1750	08002		STRUCTURE EXCAV-SOLID ROCK	582.00	CUYD		\$	
1760	08003		FOUNDATION PREPARATION (#28314)	1.00	LS		\$	
1770	08020		CRUSHED AGGREGATE SLOPE PROT	1,236.00	TON		\$	
1780	08033		TEST PILES	156.00	LF		\$	
1790	08039		PRE-DRILLING FOR PILES	150.00	LF		\$	
1800	08046		PILES-STEEL HP12X53	2,669.00	LF		\$	
1810	08094		PILE POINTS-12 IN	96.00	EACH		\$	
1820	08100		CONCRETE-CLASS A	1,483.50	CUYD		\$	
1830	08104		CONCRETE-CLASS AA	1,675.80	CUYD		\$	
1840	08150		STEEL REINFORCEMENT	184,766.00	LB		\$	
1850	08151		STEEL REINFORCEMENT-EPOXY COATED	551,584.00	LB		\$	
1860	08160		STRUCTURAL STEEL (1,905,110 LBS)	1.00	LS		\$	
1870	08170		SHEAR CONNECTORS (16,650)	1.00	LS		\$	
1880	08269		ELECTRICAL CONDUIT (#28314)	1.00	LS		\$	
1890	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	2,100.00	LF		\$	

Section: 0005 - BRIDGE - #28315 - COIN ROAD STA 50+00

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1900	02231		STRUCTURE GRANULAR BACKFILL	343.00	CUYD		\$	
1910	02998		MASONRY COATING	1,334.00	SQYD		\$	
1920	03299		ARMORED EDGE FOR CONCRETE	99.50	LF		\$	
1930	08002		STRUCTURE EXCAV-SOLID ROCK	41.00	CUYD		\$	
1940	08003		FOUNDATION PREPARATION (28315)	1.00	LS		\$	
1950	08020		CRUSHED AGGREGATE SLOPE PROT	240.00	TON		\$	
1960	08033		TEST PILES	41.00	LF		\$	
1970	08046		PILES-STEEL HP12X53	250.00	LF		\$	
1980	08094		PILE POINTS-12 IN	18.00	EACH		\$	
1990	08100		CONCRETE-CLASS A	371.50	CUYD		\$	
2000	08104		CONCRETE-CLASS AA	377.60	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2010	08150		STEEL REINFORCEMENT	52,361.00	LB		\$	
2020	08151		STEEL REINFORCEMENT-EPOXY COATED	125,562.00	LB		\$	
2030	08269		ELECTRICAL CONDUIT (COIN ROAD)	1.00	LS		\$	
2040	08633		PRECAST PC I BEAM TYPE 3	1,126.50	LF		\$	
2050	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	458.50	LF		\$	

Section: 0006 - BRIDGE - #28316 - MARK SHOPVILLE ROAD

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2060	02231		STRUCTURE GRANULAR BACKFILL	246.00	CUYD		\$	
2070	02998		MASONRY COATING	1,276.60	SQYD		\$	
2080	03299		ARMORED EDGE FOR CONCRETE	85.00	LF		\$	
2090	08002		STRUCTURE EXCAV-SOLID ROCK	74.00	CUYD		\$	
2100	08003		FOUNDATION PREPARATION (MARK SHOPVILLE ROAD)	1.00	LS		\$	
2110	08019		CYCLOPEAN STONE RIP RAP	1,280.00	TON		\$	
2120	08033		TEST PILES	51.00	LF		\$	
2130	08046		PILES-STEEL HP12X53	371.00	LF		\$	
2140	08094		PILE POINTS-12 IN	20.00	EACH		\$	
2150	08100		CONCRETE-CLASS A	247.10	CUYD		\$	
2160	08104		CONCRETE-CLASS AA	301.10	CUYD		\$	
2170	08150		STEEL REINFORCEMENT	41,502.00	LB		\$	
2180	08151		STEEL REINFORCEMENT-EPOXY COATED	103,673.00	LB		\$	
2190	08634		PRECAST PC I BEAM TYPE 4	877.00	LF		\$	
2200	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	448.50	LF		\$	

Section: 0007 - BRIDGE - #28317 - KY 461 OVER FLAT LICK CREEK - RCBC STA 169+34 T

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2210	02403		REMOVE CONCRETE MASONRY	173.00	CUYD		\$	
2220	08002		STRUCTURE EXCAV-SOLID ROCK	64.00	CUYD		\$	
2230	08003		FOUNDATION PREPARATION (KY 461 - STA 169+34)	1.00	LS		\$	
2240	08100		CONCRETE-CLASS A	608.60	CUYD		\$	
2250	08150		STEEL REINFORCEMENT	90,660.00	LB		\$	
2260	23931EC		EPS FOAM BLOCK	220,711.00	CUFT		\$	

Section: 0008 - BRIDGE - #28318 - KY 461 OVER UNNAMED STREAM - RCBC STA 210+92

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2270	02403		REMOVE CONCRETE MASONRY	22.00	CUYD		\$	
2280	08002		STRUCTURE EXCAV-SOLID ROCK	122.00	CUYD		\$	
2290	08003		FOUNDATION PREPARATION (KY 461 - STA 210+92)	1.00	LS		\$	
2300	08100		CONCRETE-CLASS A	130.30	CUYD		\$	
2310	08150		STEEL REINFORCEMENT	7,838.00	LB		\$	

PROPOSAL BID ITEMS

201305

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Report Date 9/22/20

Section: 0009 - BRIDGE - #28319 - KY 461 OVER UNNAMED STREAM - RCBC STA 242+35

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2320	02403		REMOVE CONCRETE MASONRY	28.00	CUYD		\$	
2330	08002		STRUCTURE EXCAV-SOLID ROCK	34.00	CUYD		\$	
2340	08003		FOUNDATION PREPARATION (KY 461 - STA 242+35)	1.00	LS		\$	
2350	08100		CONCRETE-CLASS A	72.70	CUYD		\$	
2360	08150		STEEL REINFORCEMENT	7,071.00	LB		\$	

Section: 0010 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2370	06400		GMSS GALV STEEL TYPE A	4,513.00	LB		\$	
2380	06405		SBM ALUMINUM PANEL SIGNS	2,330.00	SQFT		\$	
2390	06406		SBM ALUM SHEET SIGNS .080 IN	932.00	SQFT		\$	
2400	06407		SBM ALUM SHEET SIGNS .125 IN	1,127.00	SQFT		\$	
2410	06410		STEEL POST TYPE 1	4,675.00	LF		\$	
2420	06424		OSS ALUMINUM 65 FT TRUSS	1.00	EACH		\$	
2435	06436		OSS ALUMINUM 75 FT TRUSS (ADDED: 9-22-20)	1.00	EACH		\$	
2440	06441		GMSS GALV STEEL TYPE C	6,921.00	LB		\$	
2445	06445		OSS ALUMINUM 90 FT TRUSS (ADDED: 9-22-20)	1.00	EACH		\$	
2460	06490		CLASS A CONCRETE FOR SIGNS	109.80	CUYD		\$	
2470	06491		STEEL REINFORCEMENT FOR SIGNS	7,498.00	LB		\$	
2480	20419ND		ROADWAY CROSS SECTION	11.00	EACH		\$	
2490	20912ND		BARRIER WALL POST	3.00	EACH		\$	
2500	21596ND		GMSS TYPE D	8.00	EACH		\$	
2510	24631EC		BARCODE SIGN INVENTORY	102.00	EACH		\$	

Section: 0011 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2520	04714		POLE 120 FT MTG HT HIGH MAST	15.00	EACH		\$	
2530	04761		LIGHTING CONTROL EQUIPMENT	3.00	EACH		\$	
2540	04797		CONDUIT-3 IN	2,490.00	LF		\$	
2550	04800		MARKER	33.00	EACH		\$	
2560	04820		TRENCHING AND BACKFILLING	10,158.00	LF		\$	
2570	04860		CABLE-NO. 8/3C DUCTED	5,700.00	LF		\$	
2580	04861		CABLE-NO. 6/3C DUCTED	5,105.00	LF		\$	
2590	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	6.00	EACH		\$	
2600	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	12.00	EACH		\$	
2610	21543EN		BORE AND JACK CONDUIT	660.00	LF		\$	
2620	23161EN		POLE BASE-HIGH MAST	134.30	CUYD		\$	
2630	24749EC		HIGH MAST LED LUMINAIRE	88.00	EACH		\$	
2640	24851EC		CABLE-NO. 10/3C DUCTED	8,040.00	LF		\$	

PROPOSAL BID ITEMS

201305

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Report Date 9/22/20

Section: 0012 - INTELLIGENT TRANSPORTATION SYSTEMS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2650	04792		CONDUIT-1 IN	90.00	LF		\$	
2660	04795		CONDUIT-2 IN	90.00	LF		\$	
2670	04797		CONDUIT-3 IN	60.00	LF		\$	
2680	04820		TRENCHING AND BACKFILLING	850.00	LF		\$	
2690	04835		WIRE-NO. 4	3,530.00	LF		\$	
2700	04899		ELECTRICAL SERVICE	3.00	EACH		\$	
2710	06400		GMSS GALV STEEL TYPE A	3,486.00	LB		\$	
2720	06490		CLASS A CONCRETE FOR SIGNS	7.08	CUYD		\$	
2730	20257NC		SITE PREPARATION (KY461 SOUTHBOUND)	1.00	LS		\$	
2740	20257NC		SITE PREPARATION (KY80 EASTBOUND)	1.00	LS		\$	
2750	20257NC		SITE PREPARATION (KY80 WESTBOUND)	1.00	LS		\$	
2760	20257NC		SITE PREPARATION (WEB CAMERA LOCATION INTERCHANGE)	1.00	LS		\$	
2770	20390NS835		INSTALL COORDINATING UNIT	7.00	EACH		\$	
2780	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	2.00	EACH		\$	
2790	20419ND		ROADWAY CROSS SECTION	3.00	EACH		\$	
2800	21065ND		MODEL 334 ENCLOSURE	1.00	EACH		\$	
2810	21066ND		MODEL 336 ENCLOSURE	5.00	EACH		\$	
2820	21069ND		SURGE DEVICE 120 VOLT	4.00	EACH		\$	
2830	21071ND		DATA SURGE DEVICE	10.00	EACH		\$	
2840	21076ND		FIBER TERMINATION RACK	8.00	EACH		\$	
2850	21077ED		FIBER OPTIC CABLE	1,125.00	LF		\$	
2860	21079ND		TRANSFORMER 480/120	1.00	EACH		\$	
2870	21458ND		FIBER TRANSCEIVER SIGN	11.00	EACH		\$	
2880	21489ND		RACK MOUNTED UPS	6.00	EACH		\$	
2890	21543EN		BORE AND JACK CONDUIT	60.00	LF		\$	
2900	22403NN		WEB CAMERA ASSEMBLY	1.00	EACH		\$	
2910	22408NN		VARIABLE MESSAGE SIGN-DYNAMIC SIDE MOUNT	3.00	EACH		\$	
2920	23150NN		COMMUNICATION CABLE	150.00	LF		\$	
2930	23151NN		POLE WITH LOWERING DEVICE	1.00	EACH		\$	
2940	23157EN		TRAFFIC SIGNAL POLE BASE	4.32	CUYD		\$	
2950	23941EC		VIDEO SURVEILLANCE CONTROLLER	1.00	EACH		\$	
2960	23942EC		FIXED WEB CAMERA ASSEMBLY	3.00	EACH		\$	
2970	23944EC		ADVANCED GROUNDING SYSTEM	9.00	EACH		\$	
2980	24601EC		INSTALL (TYPE ATC CONTROLLER)	7.00	EACH		\$	
2990	24851EC		CABLE-NO. 10/3C DUCTED	750.00	LF		\$	
3000	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,180.00	LF		\$	

Section: 0013 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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PROPOSAL BID ITEMS

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Report Date 9/22/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3010	02742		TRAINEE PAYMENT REIMBURSEMENT (1 - GROUP 2, 3 OR 4 OPERATOR)	1,400.00	HOUR		\$	
3020	02742		TRAINEE PAYMENT REIMBURSEMENT (1 - GROUP 2, 3 OR 4 OPERATOR)	1,400.00	HOUR		\$	
3030	02742		TRAINEE PAYMENT REIMBURSEMENT (1 - IRONWORKER)	1,400.00	HOUR		\$	

Section: 0014 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3040	02568		MOBILIZATION	1.00	LS		\$	
3050	02569		DEMOBILIZATION	1.00	LS		\$	

FIBER OPTIC CABLE AND FIBER TERMINATION RACK

DESCRIPTION

Furnish and install Fiber Optic Cable and Fiber Termination Rack in accordance with the plans, specifications and Standard Drawings.

MATERIALS

The Contractor shall install specified fiber optic cable and distribution equipment using the stated installation procedures. The fiber termination rack shall include rack enclosure (Corning Fiber CCH01 or approved equal), panel modules 12 fiber (Corning Fiber CCHCP1259 or approved equal), and single mode patch cords (Corning Fiber VDX9YY53FIS or approved equal).

This shall include furnishing and installing all materials, mounting hardware, and cabling necessary to construct a complete and functional system. This shall also include all labor, tools, equipment, and incidentals necessary to complete the work, including but not limited to integrated fiber optic termination units, connector modules, jumper cables, testing, and documentation.

Fiber optic cable shall be Optical Cable Company BX12 165AD SLX 900 OFNR or approved equal. Fiber optic cable, jumper cables, and distribution equipment shall be fabricated by a certified ISO 9001 manufacturer.

All fiber cable provided under this contract shall be from the same manufacturer utilizing identical specifications. Fiber cables shall be dielectric (constructed from non-metallic materials). Fiber cables shall contain single mode optical fibers, loose tube, filled with a water-blocking material, and shall be suitable for installation in underground conduit and field cabinets.

All optical fiber in the cable shall, at a minimum, comply with the following requirements:

- Min. Cladding diameter: 125+/- 1.0µm
- Core to cladding offset: 0.8µm maximum
- Maximum attenuation: 0.5 dB/km at 1310 nm
0.5 dB/km at 1550 nm
- Maximum chromatic dispersion: 3.2 ps/(nm x km) from 1285 nm to 1330nm
18 ps/(nm x km) at 1550 nm
- Fiber polarization mode dispersion: 0.5 ps/(km), 2 maximum
- Coating diameter: 245 µm +/- 10 µm

The change in attenuation for single-mode from 0° F to -150° F shall not exceed 0.2 dB/km at 1550 nm, with 80 percent of the measured values no greater than 0.1 dB/km at 1550 nm.

The cable design shall have a life expectancy of 20 years when installed to manufacturer's specifications.

Optical fibers shall be contained inside a loose buffer tube. Each buffer tube shall contain 12 fibers. The buffer tubes shall allow free movement of the fibers without fiber damage during installation or normal operation, including expansion and contraction of the buffer tubes. The diameter of all buffer tubes in a cable shall match.

The cable shall have a central member designed to prevent buckling of the cable.

The cable core interstices shall be filled with a non-nutritive to fungus, electrically non-conductive, water-blocking material such as water-swellaable tape that is dry to the touch. The water blocking material shall be free from dirt and foreign matter.

The cable shall contain a least one ripcord under the sheath for easy sheath removal.

The cable shall have tensile strength members that minimize cable elongation due to installation forces and temperature. The cable shall withstand a 600 lb. tensile load applied per EIA-455-33. The change in attenuation shall not exceed 0.2 dB during loading and 0.1 dB after loading. The cable shall be rated for a minimum installed tensile service load of 200 lbs.

The cable shall be dielectric (with no armoring) and be either HDPE or MDPE. Jacketing material shall be applied directly over the tensile strength members and water-blocking material.

The markings on the fiber optic cable shall include cable length markings.

The fiber optic cable shall be capable of withstanding the following conditions without damage or decrease in function:

- Cable freezing per EIA/TIA-455-98
- Total immersion in water with natural mineral and salt contents
- Salt spray or salt water immersion for extended periods
- Wasp and hornet spray

Cable shall be furnished in one continuous length per reel and shall be free from optical splices. A minimum length of six feet on each end of the cable shall be accessible for testing.

Information either stenciled or lettered on the reel or provided on a weatherproof tag firmly attached to the reel shall include the following:

- Factory order number
- Job number
- Ship date
- Manufacturer's cable code

- Type of cable (single mode, outdoor, indoor)
- Beginning and ending length markings
- Measured length and attenuation

FIBER OPTIC DISTRIBUTION EQUIPMENT:

SC type Connectors shall used. The measured attenuation of the connector (inclusive of coupler and mated test connector) shall not exceed an average of 0.3 dB for all connectors provided. Any connector found in excess of 0.5 dB will be rejected. Reflectance shall be less than -40 dB, from 14° F to +140° F. The manufacturer shall have a program that periodically tests connectors to ensure that, after 1000 re-matings, the attenuation shall not change more than 0.2 dB.

The connector shall be able to withstand an axial pull of 25 lbs. with no physical damage to the connector and no permanent optical degradation more than 0.3 dB. Connectors shall be pre-wired by the manufacturer.

Fiber optic jumper cables shall, at a minimum, comply with the following requirements:

- Have less than 0.2 dB loss when subjected to EIA/TIA-455-1A, 300 cycles, 0.5 kg
- Have an Aramid yarn strength member
- Have a rugged PVC sheathing
- Have a minimum bend radius of 12.5 inches following installation, 25 inches during installation
- Have a minimum tensile strength of 100 lbs
- Have connectors with strain relief pre-wired by the manufacturer
- Comply with NEC requirements for indoor fiber optic cable

Jumper cables shall be either single or duplex. Duplex jumper cables shall have permanent markings to distinguish between the fibers or connectors.

Connector modules shall consist of a connector panel, couplers, and a protective housing. The measured attenuation of the connector module (inclusive of coupler, fiber, and mated ST test connector) shall not exceed an average of 0.3 dB for all connector modules provided. Any connector module found in excess of 0.5 dB will be rejected. Connector modules shall, at a minimum, comply with the following:

- Have 6 couplers for ST applications
- Have 12 couplers for SC applications
- Have a durable housing that provides physical protection and strain relief for the termination of multi-fiber cable to couplers
- Be easily installed and removed from the termination housing
- Be furnished with protective covers for couplers on the jumper cable side
- Comply with NEC requirements for indoor fiber optic cable

There shall be a fixed correlation between each buffered fiber color and coupler position for all connector modules. Fiber color shall meet the requirements for outdoor fiber optic cable.

Fiber optic termination units shall be properly sized for the required number of terminations subject to the minimum requirements stated for each configuration. The fiber optic termination units shall, at a minimum, comply with the following requirements:

- Be rack mounted
- Have front and rear doors or removable panels
- Have a top, bottom, and 4 sides that fully enclose the interior and protect its contents from physical damage
- Be manufactured using 16 gauge aluminum or equivalent and corrosion resistant
- Have provisions for neatly routing cables, buffer tubes and fan-out tubing
- Have cable management brackets or rings integral to the unit to secure and route cables from the connector modules to the vertical rack members while maintaining a minimum 1.5 inch cable radius

INSTALLATION

Fiber optic cable shall be installed in conduit and cabinets. Fiber optic cable shall be installed in accordance with the manufacturer's installation techniques and procedures. The Contractor shall furnish and install all jumper cables and termination equipment necessary to connect fiber optic cable to the equipment.

The Contractor shall install fiber optic cable as a continuous run, without splices, between the cable ends identified. The Contractor shall label fiber optic cables at each end of the cable run, at the points where the cable enters and exits the cabinet for mid-cable access locations, and in all junction boxes. Labels for fiber optic cable shall identify the cable number and the string numbers of the fiber contained within the cable.

Installation of fiber optic cable and jumper cables shall meet the minimum requirements of local building codes and NEC Article 770. Cable shall not be pulled along the ground, over or around obstructions, over edges or corners, or through unnecessary curves or bends. Bend radius criteria of 10 times the cable diameter no stress and twenty times cable diameter under stress shall not be exceeded. Manufacturer-approved pulling grips, cable guides, feeders, shoes, and bushings shall be used to prevent damage to cable during installation.

When cable is removed from the reel prior to installation, it shall be placed in a "figure-eight" configuration to prevent kinking or twisting. Care shall be taken to relieve pressure on the cable by placing cardboard shims at each crossover, by creating additional "figure-eights", or by an approved equivalent method.

Prior to the installation of any fiber optic cable in conduit, the Contractor shall provide the cable manufacturer's recommended and maximum pulling tensions to the Engineer.

Included with these pulling tensions shall be a list of the cable manufacturer's approved pulling lubricants. Lubricants shall be used in quantities and in accordance with the procedures recommended by the lubricant manufacturer.

Prior to the installation of any fiber optic cable in conduit, all cable pulling equipment shall be approved by the Engineer. The cable pulling equipment shall include a meter to display pulling tension and a mechanism to ensure that the maximum allowable pulling tension cannot be exceeded at any time during installation.

The Contractor shall furnish attachment hardware, installation guides, and other necessary equipment, not specifically listed herein, as required to install the fiber optic cable.

Fiber optic cable in junction boxes shall be properly looped and attached to the sidewall.

Slack fiber optic cable shall be coiled, labeled, and attached to cable guides.

All fibers, including spares, shall be installed from the connector modules, terminated at the appropriate fibers, and secured neatly within the termination rack.

Fiber terminations shall be neatly and permanently labeled on the connector modules to designate transmit or receive.

Blank connector panels shall be of the same finish and manufacture as the connector modules and shall be installed for all unused connector module spaces.

Prior to the installation of jumper cables, the Contractor shall provide and maintain protective covers over the optical connectors and terminations. Protective covers on unused terminations shall remain.

Jumper cables shall be installed from connector modules to end equipment, and from end equipment to end equipment in multiple cabinet configurations. Jumper cables shall be secured to provide strain relief at both the connector module and the end equipment. Manufacturer recommended installation and minimum bend radius requirements shall be adhered to. Jumper cables shall be labeled at both ends.

Any approved splices shall be made using the fusion splice technique and shall not induce more than 0.1 dB attenuation for each splice nor 0.07 dB average for all splices. Splices that exceed 0.1 dB attenuation shall be re-spliced by the Contractor at no additional cost.

TESTING

Fiber optic cables shall be tested by the manufacturer in conformance with the procedures of TIA/EIA-526-7A. Submittal of test data shall include a summary sheet that clearly illustrates measured loss versus budgeted loss. Each test result on the summary sheet shall be identified by cable number(s) and begin and end locations. The

Contractor shall identify any unacceptable losses and perform corrective work at no additional cost. The maximum permissible loss for cables other than jumpers, terminations, and connector modules is 0.05 dB. Any cable not compliant shall be replaced in its entirety and re-tested for compliance. A copy of the final, summarized, post-installation test results shall be placed in a protective sleeve approved by the Engineer and attached to the rack or door.

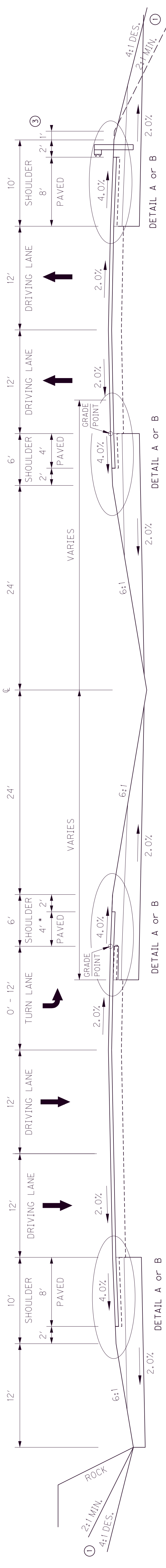
Bi-directional (OTDR) tests shall be conducted by the manufacturer for all string paths. The OTDR tests shall document the loss for each component (connector module, jumper cable, etc.). Short runs of fiber shall be tested using a 'lead-in' cable or an 'attenuator' to obtain proper readings from the OTDR. OTDR traces shall be submitted. Each test shall be clearly annotated with the measured loss identified on the OTDR trace. All tests over 0.05 dB shall be identified on the summary sheet.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

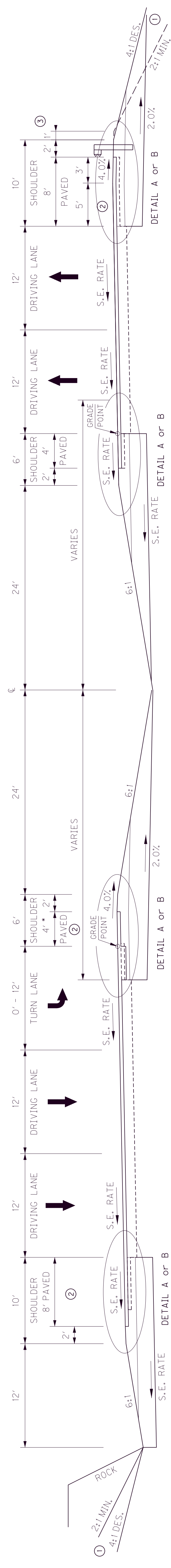
Fiber Optic Cable will be measured for payment per unit linear foot. Termination Fiber Rack will be measured for payment per unit each. The Department will make payment for complete, functioning, inspected, and accepted quantities. The Department will consider payment as full compensation for all work required under this section.

TYPICAL SECTIONS KY 461 / KY 80 - DIVIDED MEDIAN OVERLAY

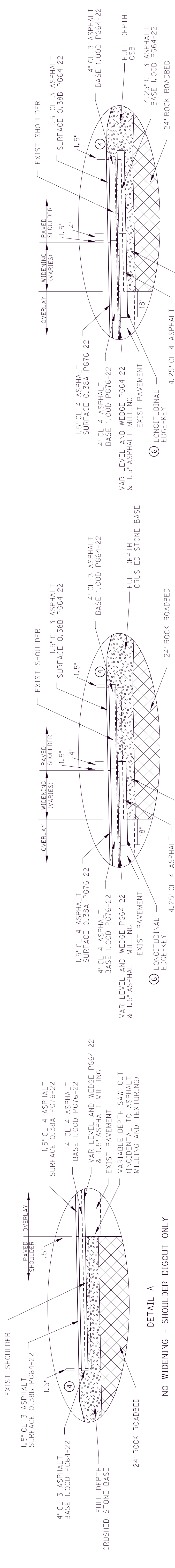
STA. 105+00 TO STA. 138+65



NORMAL SECTION



SUPERELEVATED SECTION



NOTES:

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- ② SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- ③ SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ④ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL AGGREGATE 2.40 LB/50. YD.
ASPHALT SEAL 20 LB/50. YD. (SIZE NO. 8 OR 9M)
- ⑤ ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/5Y
- ⑥ KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

KY 461

FULL DEPTH SHOULDERS
RT - STA. 120+90.00 TO STA. 129+60.00 (FOR ULT RAMP B)
LT - STA. 121+46.76 TO STA. 122+51.15 (FOR ULT RAMP C)

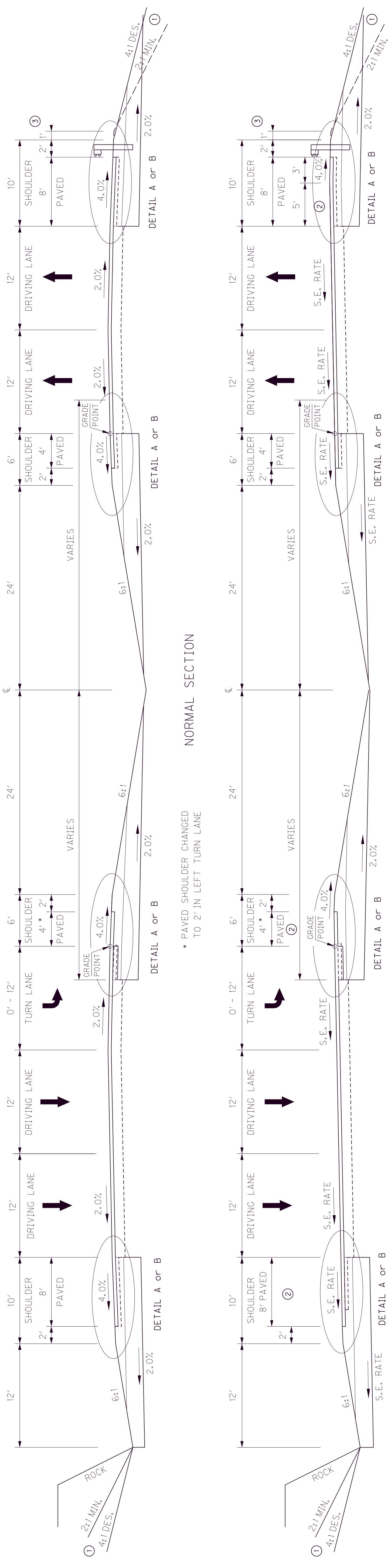
OVERLAY	WIDENING - TRAFFIC LANES	SHOULDERS
APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE
4' CLASS 4 ASPHALT BASE 1.000 PG76-22	1.5" CLASS 4 ASPHALT SURFACE 0.388 PG76-22	1.5" CLASS 3 ASPHALT SURFACE 0.388 PG64-22
VAR LEVEL AND WEDGE PG64-22	4" CLASS 4 ASPHALT BASE 1.000 PG76-22	4" CLASS 3 ASPHALT BASE 1.000 PG64-22
EXISTING PREPARATION	APPROX. 14.25" BASE	APPROX. 14.25" BASE
1.5" ASPHALT MILLING	6' CRUSHED STONE BASE	24" ROCK ROADBED
	SUBGRADE PREPARATION	
	24" ROCK ROADBED	

SCALE: N. T. S

TYPICAL SECTIONS
KY 461 / KY 80 -
DIVIDED MEDIAN OVERLAY

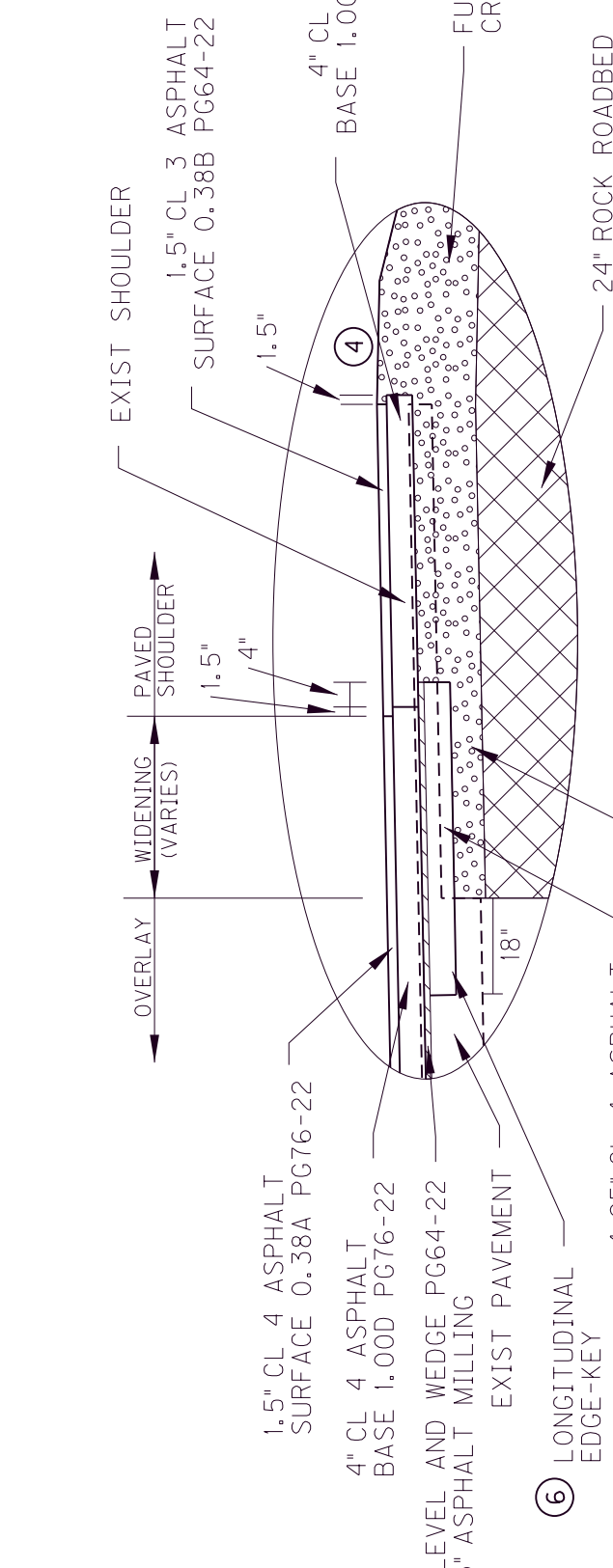
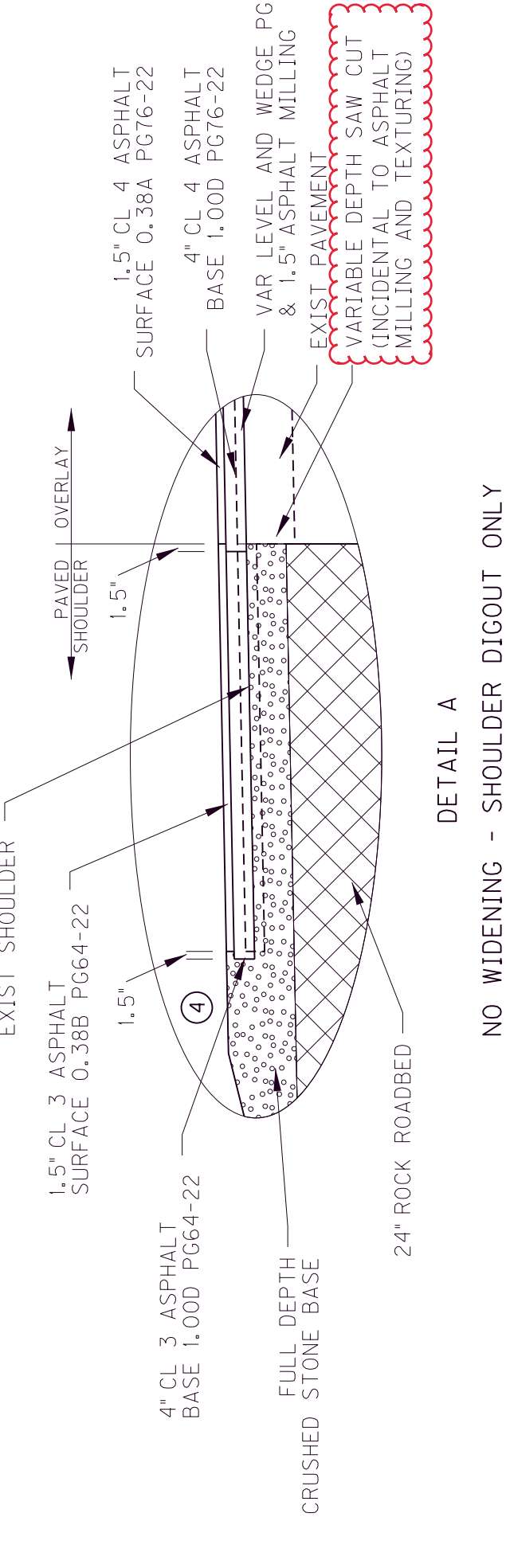
TYPICAL SECTIONS KY 461 / KY 80 - DIVIDED MEDIAN OVERLAY

STA. 105+00 to STA. 138+65



* PAVED SHOULDER CHANGED TO 2' IN LEFT TURN LANE

SUPERELEVATED SECTION



NOTES:

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- ② SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- ③ SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ④ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL AGGREGATE 2.40 LB/50. YD. (SIZE NO. 8 OR 9M)
ASPHALT SEAL 0.70 LB/50. YD.
- ⑤ ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/50. YD.
- ⑥ KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

KY 461

RT - STA. 120+90.00 to STA. 129+60.00 (FOR ULT RAMP B)
LT - STA. 121+46.76 to STA. 122+51.15 (FOR ULT RAMP C)

OVERLAY	WIDENING - TRAFFIC LANES	SHOULDERS
APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE
4' CLASS 4 ASPHALT BASE 1.000 PG76-22	1.5" CLASS 4 ASPHALT SURFACE 0.388 PG76-22	1.5" CLASS 3 ASPHALT SURFACE 0.388 PG64-22
VAR LEVEL AND WEDGE PG64-22	4" CLASS 4 ASPHALT BASE 1.000 PG76-22	4" CLASS 3 ASPHALT BASE 1.000 PG64-22
1.5" ASPHALT MILLING	4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22	APPROX. 14.25" BASE
	6" CRUSHED STONE BASE	24" ROCK ROADBED
		SUBGRADE PREPARATION

SCALE: N.T.S

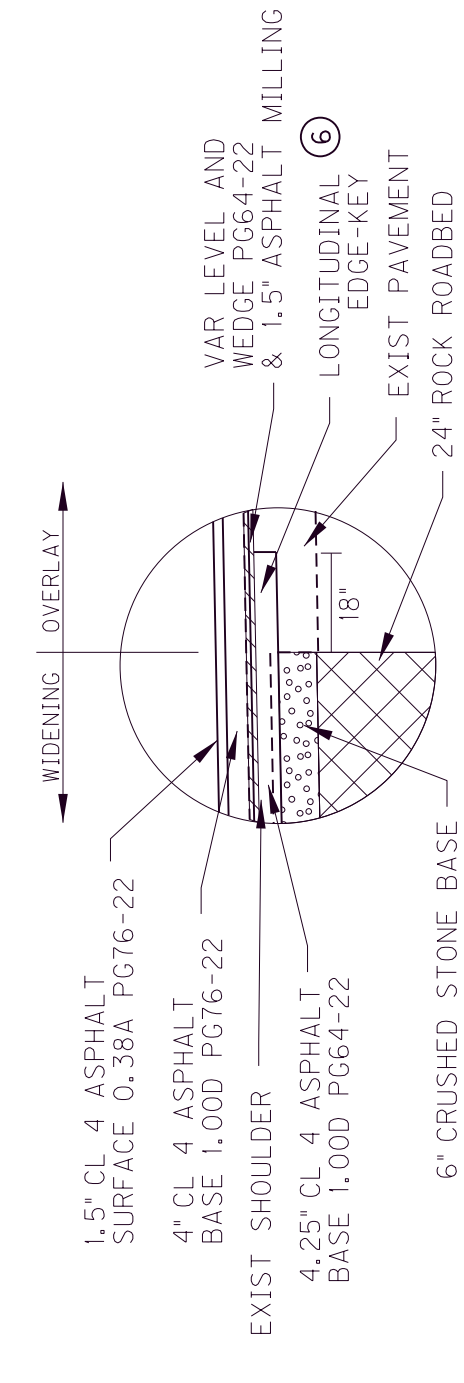
TYPICAL SECTIONS
KY 461 / KY 80 -
DIVIDED MEDIAN OVERLAY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2

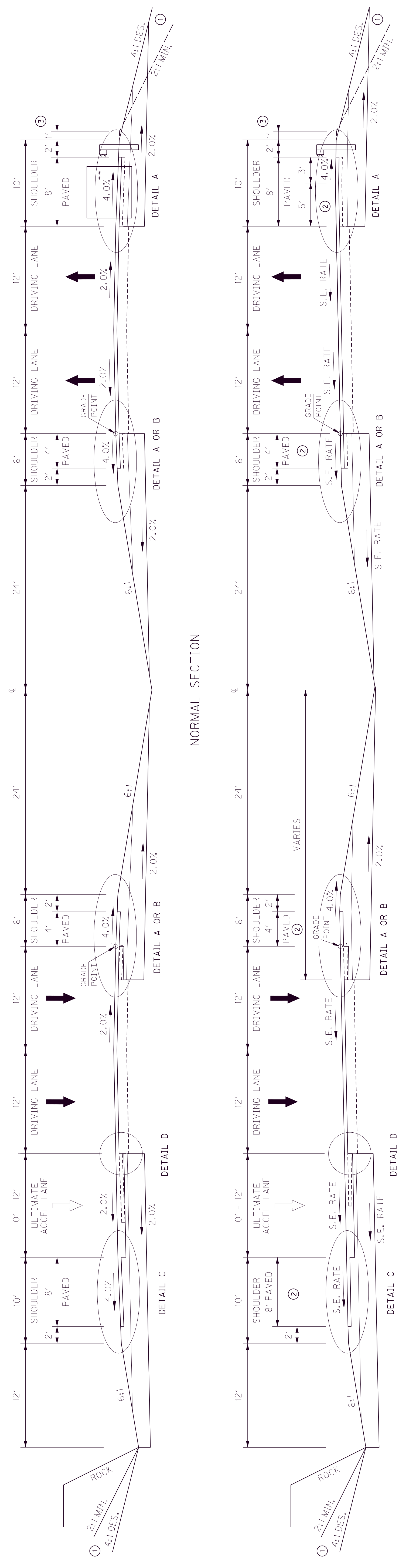
REVISED 9-21-20

TYPICAL SECTIONS KY 461 / KY 80 - DIVIDED MEDIAN OVERLAY & FULL DEPTH WIDENING

STA. 105+00 to STA. 138+65

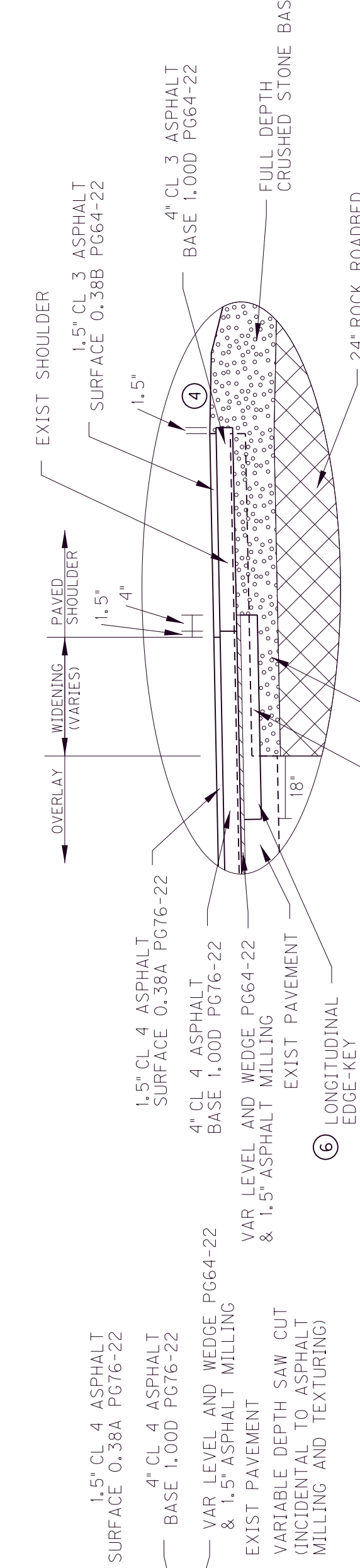


DETAIL D



NORMAL SECTION

SUPERELEVATED SECTION



PAVEMENT WIDENING & SHOULDER DIGOUT

NO WIDENING - SHOULDER DIGOUT ONLY

NOTES:
 ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 ② SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
 ③ SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
 ④ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
 ASPHALT SEAL COAT 2.40 LB/50. YD. (SIZE NO. 8 OR 9M)
 ASPHALT SEAL AGGREGATE 20 LB/50. YD.
 ⑤ ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
 ASPHALT MATERIAL FOR TACK 0.70 LB/5Y
 ⑥ KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

OVERLAY	WIDENING - TRAFFIC LANES	SHOULDERS
APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE	APPROX. 1.5" SURFACE
APPROX. 4" BASE	APPROX. 14.25" BASE	APPROX. 14.25" BASE
EXISTING PAVEMENT PREPARATION	SUBGRADE PREPARATION	SUBGRADE PREPARATION
1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22	1.5" CLASS 3 ASPHALT SURFACE 0.38B PG64-22
4" CLASS 4 ASPHALT BASE 1.000 PG76-22	4" CLASS 4 ASPHALT BASE 1.000 PG76-22	4" CLASS 3 ASPHALT BASE 1.000 PG64-22
VAR LEVEL AND WEDGE 1.5" ASPHALT MILLING	VAR LEVEL AND WEDGE 1.5" ASPHALT MILLING	4.25" CL 3 ASPHALT BASE 1.000 PG64-22
EXISTING PAVEMENT PREPARATION	SUBGRADE PREPARATION	24" ROCK ROADBED
24" ROCK ROADBED	24" ROCK ROADBED	24" ROCK ROADBED

KY 461

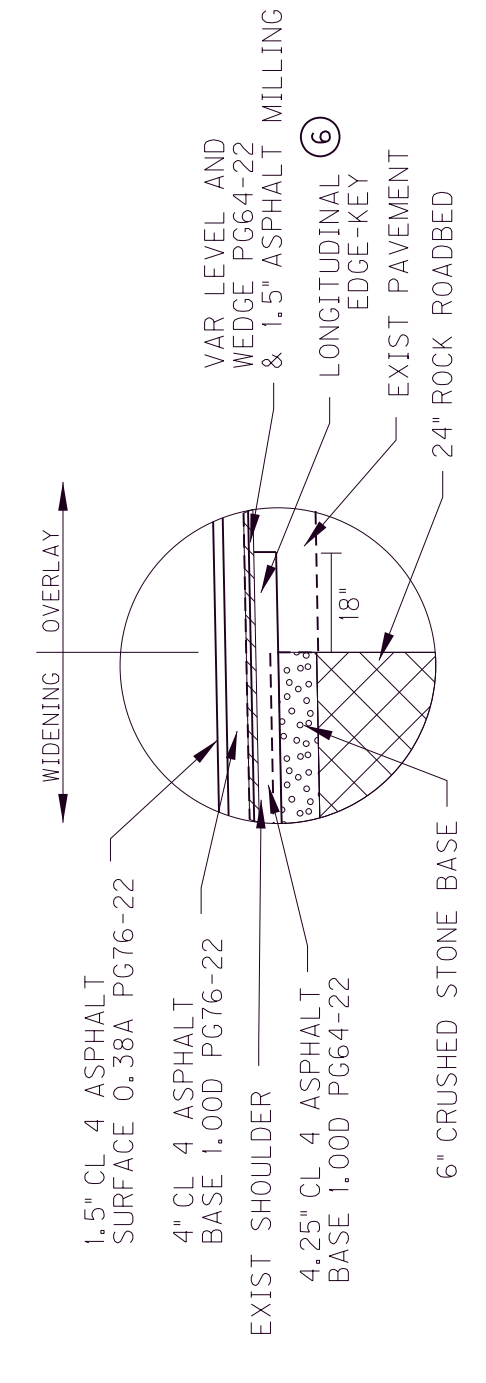
DETAIL C
 FULL DEPTH SHOULDER

FULL DEPTH SHOULDERS
 RT - STA. 120+90.00 TO STA. 129+60.00 (FOR ULT RAMP B)
 LT - STA. 121+46.76 TO STA. 122+51.15 (FOR ULT RAMP C)

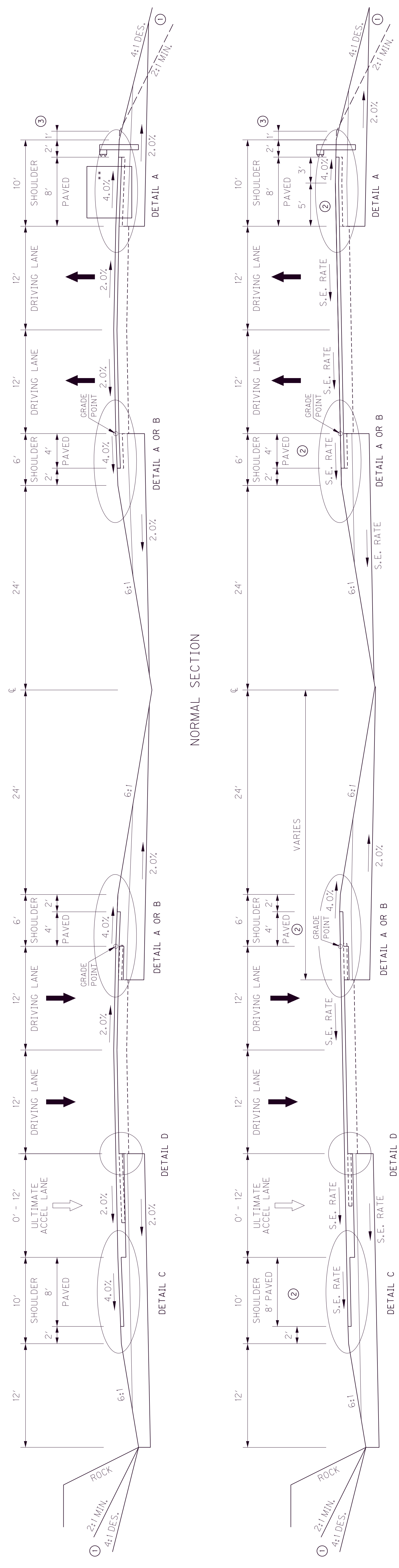
REVISED 9-21-20

TYPICAL SECTIONS KY 461 / KY 80 - DIVIDED MEDIAN OVERLAY & FULL DEPTH WIDENING

STA. 105+00 TO STA. 138+65

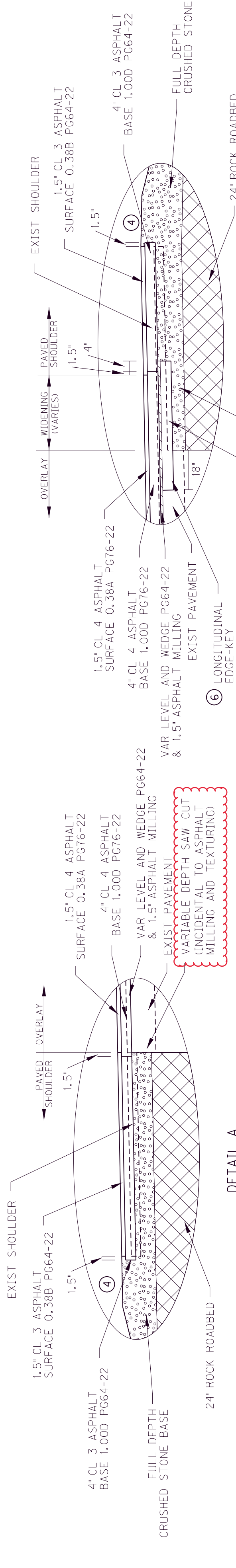


DETAIL D



NORMAL SECTION

SUPERELEVATED SECTION



DETAIL A
 NO WIDENING - SHOULDER DIGOUT ONLY

NOTES:

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
 ASPHALT SEAL COAT 2.40 LB/50. YD.
 ASPHALT SEAL AGGREGATE 20 LB/50. YD. (SIZE NO. 8 OR 9M)
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
 ASPHALT MATERIAL FOR TACK 0.70 LB/5Y
 EXISTING PREPARATION
 ASPHALT MILLING
- KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

KY 461

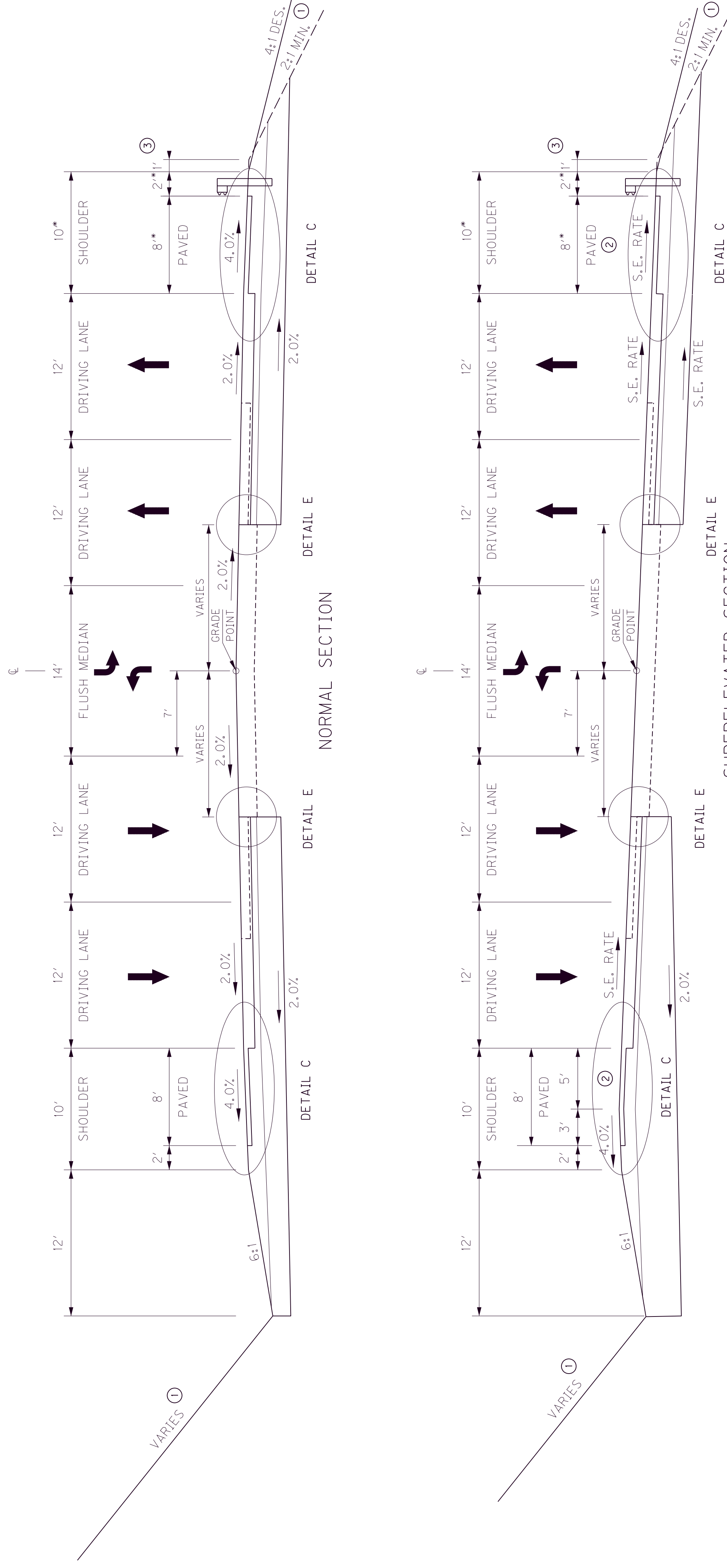
OVERLAY	WIDENING - TRAFFIC LANES	SHOULDERS
APPROX. 1.5\"/>	APPROX. 1.5\"/>	APPROX. 1.5\"/>
APPROX. 4\"/>	APPROX. 14.25\"/>	APPROX. 14.25\"/>
EXISTING PREPARATION	SUBGRADE PREPARATION	SUBGRADE PREPARATION

RT - STA. 120+90.00 TO STA. 129+60.00 (FOR ULT RAMP B)
 LT - STA. 121+46.76 TO STA. 122+51.15 (FOR ULT RAMP C)

SCALE: N.T.S
 TYPICAL SECTIONS
 KY 461 / KY 80 -
 DIVIDED MEDIAN OVERLAY & WIDENING

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN

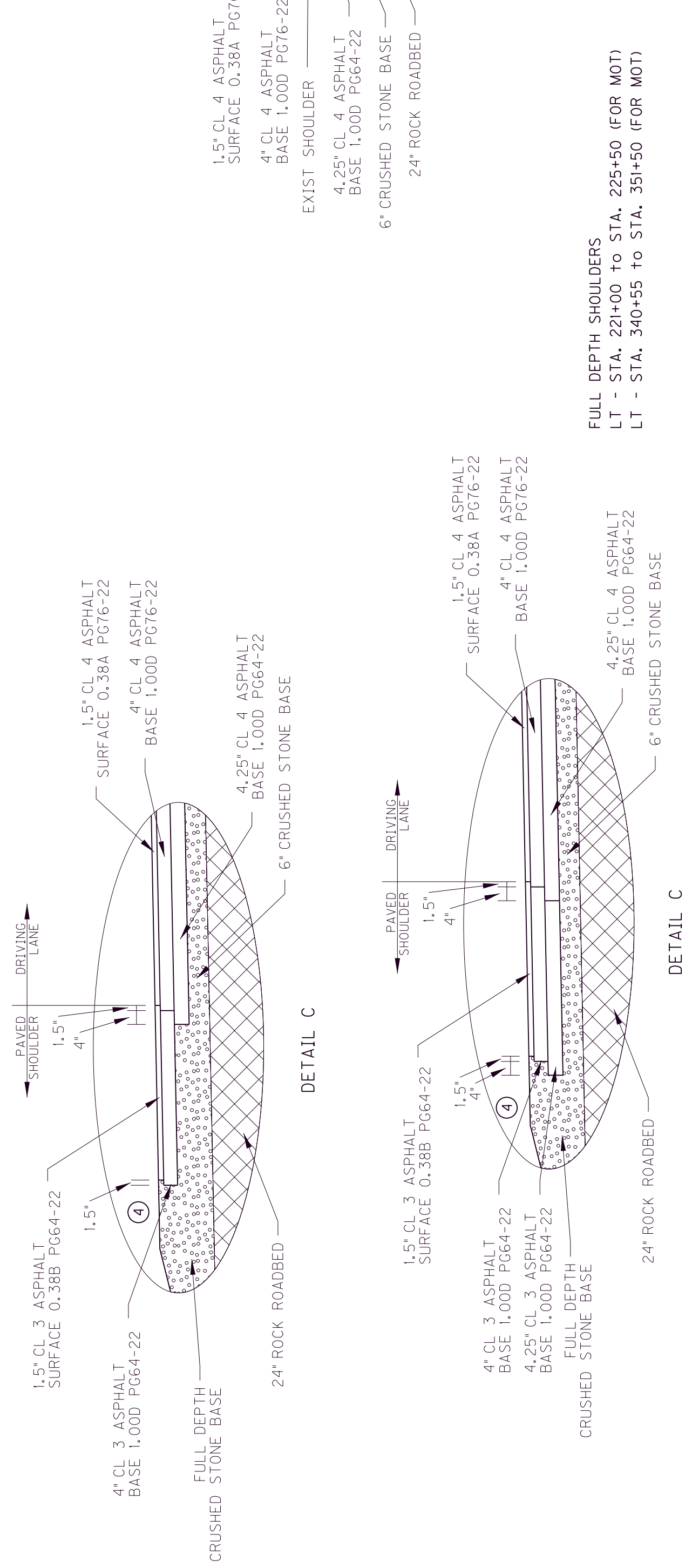
STA. 175+75 TO STA. 351+50



KY 461

OVERLAY	TRAFFIC LANES - WIDENING
APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
APPROX. 3" BASE	3" CLASS 4 ASPHALT BASE 1.00 PG76-22
EXISTING SURFACE PREPARATION	VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING
APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
APPROX. 14.25" BASE	4" CLASS 4 ASPHALT BASE 1.00D PG76-22 4.25" CLASS 4 ASPHALT BASE 1.00D PG64-22 6" CRUSHED STONE BASE
SUBGRADE PREPARATION	24" ROCK ROADBED
SHOULDERS	
APPROX. 1.5" SURFACE	1.5" CLASS 3 ASPHALT SURFACE 0.38B PG64-22
APPROX. 14.25" BASE	4" CLASS 3 ASPHALT BASE 1.00D PG64-22 FULL DEPTH CRUSHED STONE BASE
SUBGRADE PREPARATION	24" ROCK ROADBED

* 8' (6' PAVED) SHOULDER FROM STA. 175+75 TO APPR. RT. 180+55 (RIGHT SIDE ONLY)



NOTES:

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL COAT 2.40 LB/SQ. YD. (SIZE NO. 8 OR 9M)
ASPHALT SEAL AGGREGATE 20 LB/SQ. YD.
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY

FULL DEPTH SHOULDERS
LT - STA. 221+00 TO STA. 225+50 (FOR MOT)
LT - STA. 340+55 TO STA. 351+50 (FOR MOT)

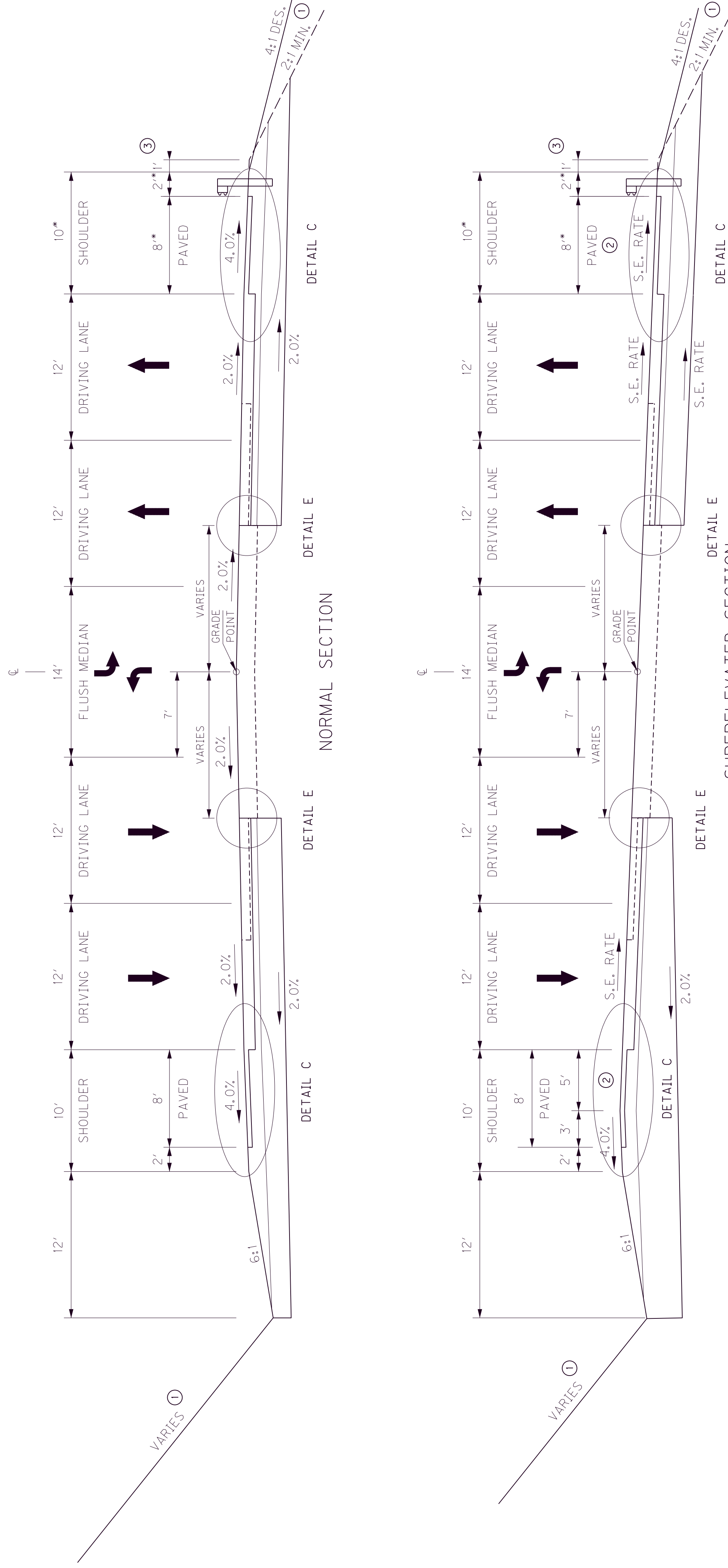
COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R29

SCALE: N.T.S

TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN

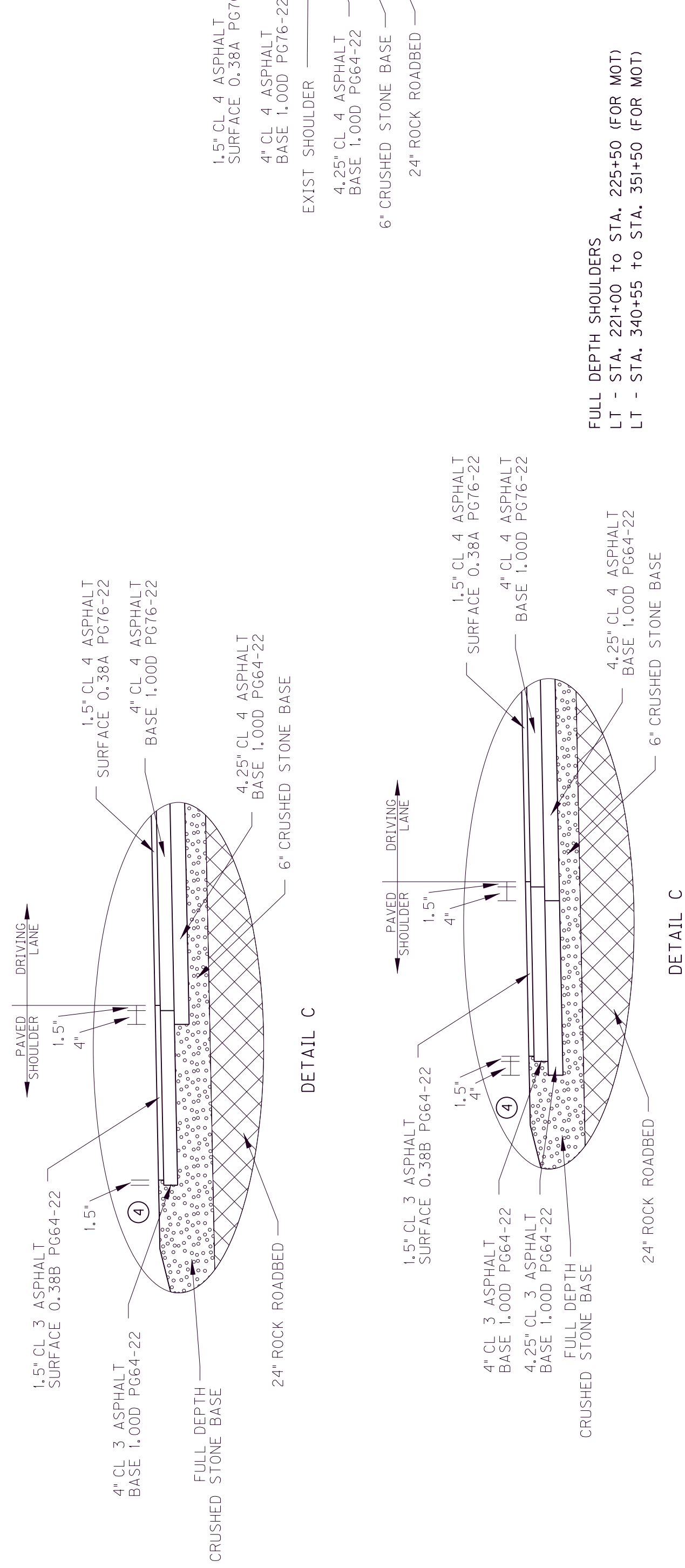
STA. 175+75 TO STA. 351+50



KY 461

OVERLAY	
APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
APPROX. 3" BASE	3" CLASS 4 ASPHALT BASE 1.00 PG76-22
EXISTING SURFACE PREPARATION	VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING
TRAFFIC LANES - WIDENING	
APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
APPROX. 14.25' BASE	4" CLASS 4 ASPHALT BASE 1.00D PG76-22 4.25" CLASS 4 ASPHALT BASE 1.00D PG64-22 6" CRUSHED STONE BASE
SUBGRADE PREPARATION	24" ROCK ROADBED
SHOULDERS	
APPROX. 1.5" SURFACE	1.5" CLASS 3 ASPHALT SURFACE 0.38B PG64-22
APPROX. 14.25' BASE	4" CLASS 3 ASPHALT BASE 1.00D PG64-22 FULL DEPTH CRUSHED STONE BASE
SUBGRADE PREPARATION	24" ROCK ROADBED

* 8' (6' PAVED) SHOULDER FROM STA. 175+75 TO APPR. RT. 180+55 (RIGHT SIDE ONLY)



- NOTES:**
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
 - SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
 - ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL COAT 2.40 LB/SC. YD.
ASPHALT SEAL AGGREGATE 20 LB/SC. YD. (SIZE NO. 8 OR 9M)
 - ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY

FULL DEPTH SHOULDERS
LT - STA. 221+00 TO STA. 225+50 (FOR MOT)
LT - STA. 340+55 TO STA. 351+50 (FOR MOT)

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59, 25 8-59, 26	R29

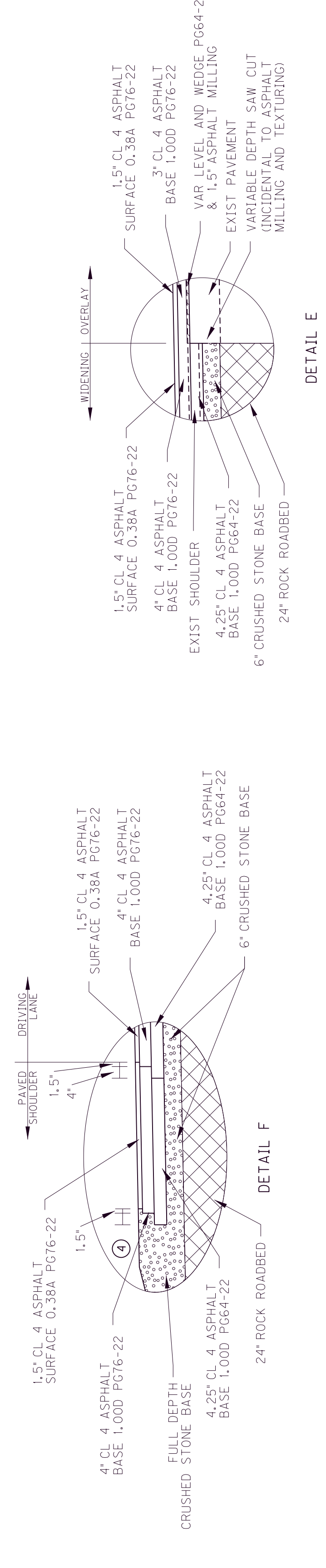
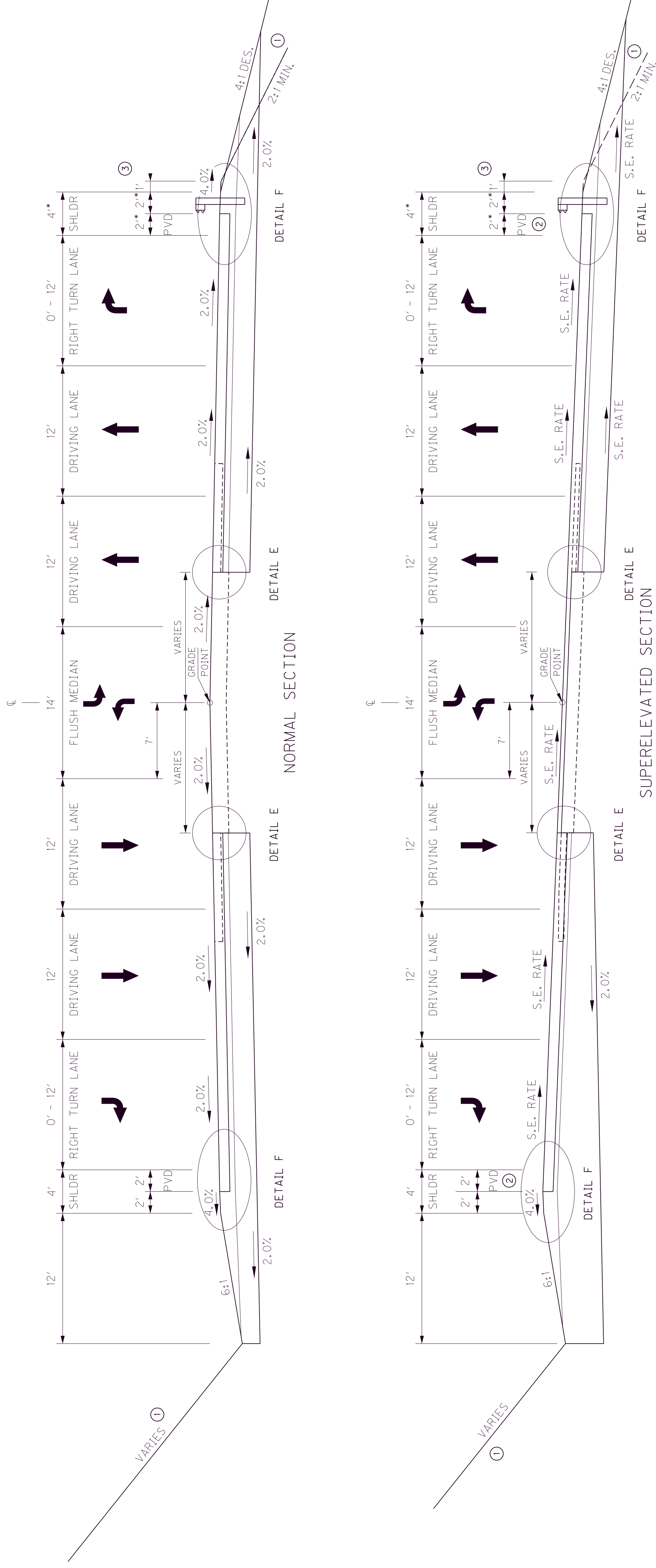
REVISED 9-21-20

SCALE: N.T.S

TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN WITH RIGHT TURN LANE

STA. 175+75 to STA. 351+50



- NOTES:
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
 - SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
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ASPHALT SEAL COAT 2.40 LB/SC.YD.
ASPHALT SEAL AGGREGATE 20 LB/SC.YD. (SIZE NO. 8 OR 9M)
 - ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2h

KY 461

OVERLAY

- APPROX. 1.5" SURFACE
- APPROX. 3" BASE
- EXISTING SURFACE PREPARATION

TRAFFIC LANES - WIDENING

- APPROX. 1.5" SURFACE
- APPROX. 14.25' BASE
- SUBGRADE PREPARATION

SHOULDERS

- APPROX. 1.5" SURFACE
- APPROX. 14.25' BASE
- SUBGRADE PREPARATION

- 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
- 3' CLASS 4 ASPHALT BASE 1.00 PG76-22
- VAR LEVEL AND WEDGE PG64-22
1.5" ASPHALT MILLING
- 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
- 4" CLASS 4 ASPHALT BASE 1.000 PG76-22
4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22
6' CRUSHED STONE BASE
- 24" ROCK ROADBED
- 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
- 4" CLASS 4 ASPHALT BASE 1.000 PG76-22
4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22
6' CRUSHED STONE BASE
- 24" ROCK ROADBED

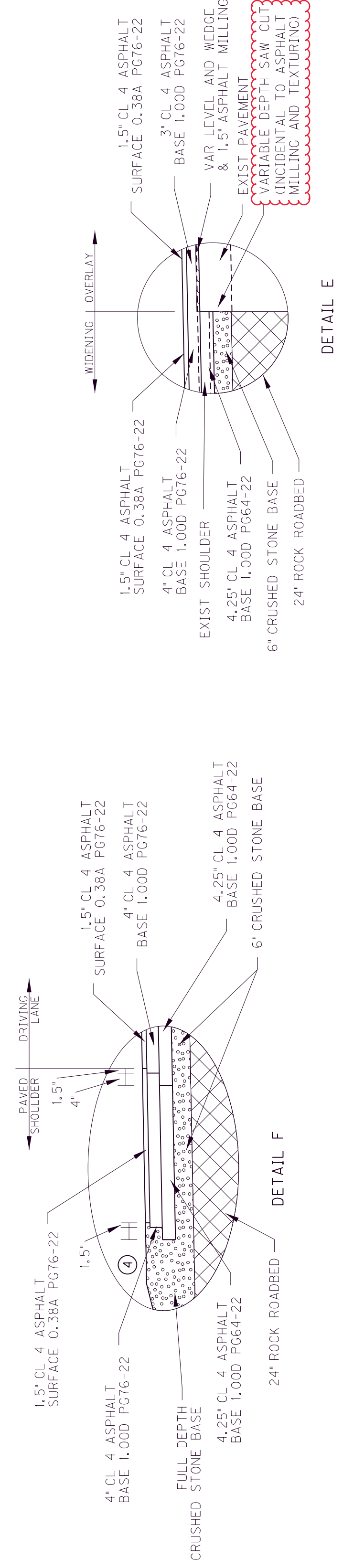
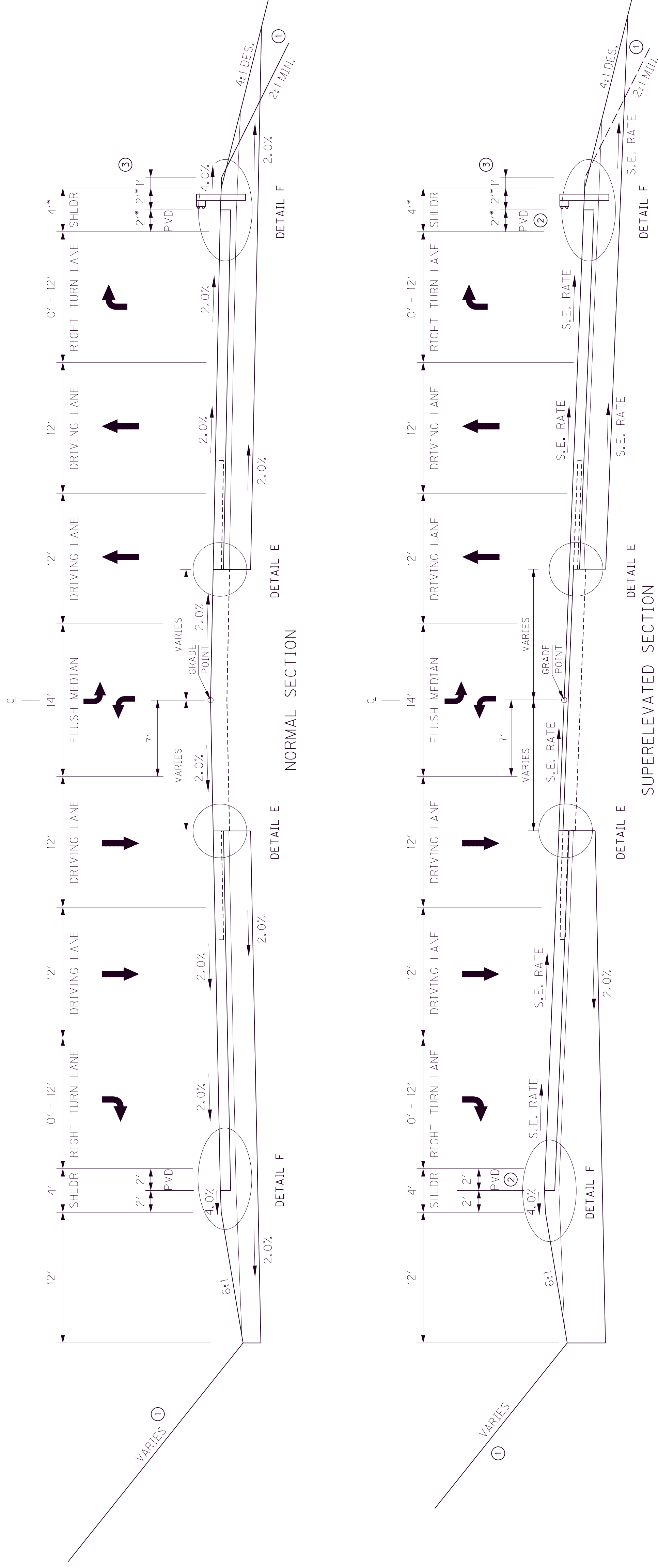
* 8' (6' PAVED) SHOULDER FROM STA. 175+75 TO APPR. RT. 180+55 (RIGHT SIDE ONLY)

TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN
W/ RIGHT TURN LANE

SCALE: N.T.S

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN WITH RIGHT TURN LANE

STA. 175+75 to STA. 351+50



- NOTES:
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
 - SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
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ASPHALT SEAL COAT 2.40 LB/SG. YD.
ASPHALT SEAL AGGREGATE 20 LB/SG. YD. (SIZE NO. 8 OR 9M)
 - ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY

* 8' (6' PAVED) SHOULDER FROM STA. 175+75 TO APPR. RT. 180+55 (RIGHT SIDE ONLY)

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2h

REVISED 9-21-20

KY 461

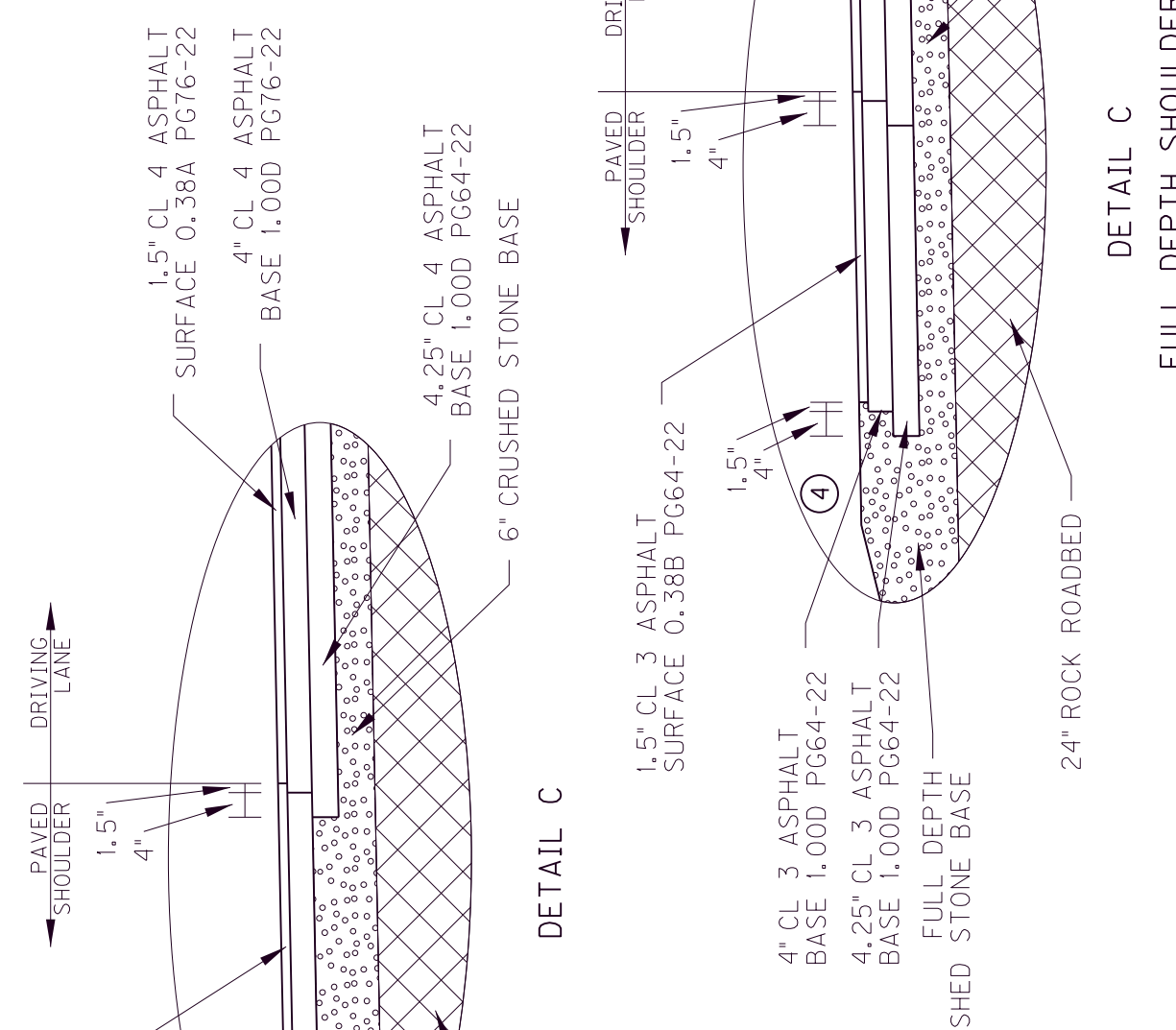
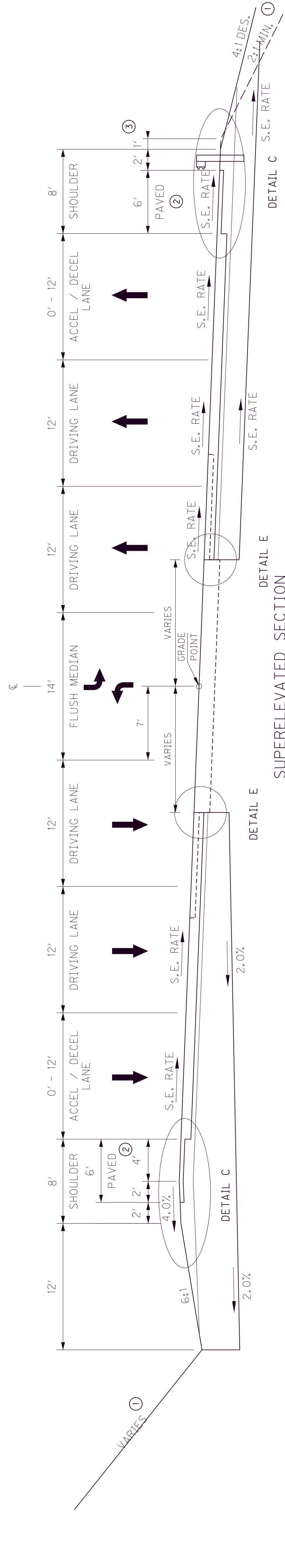
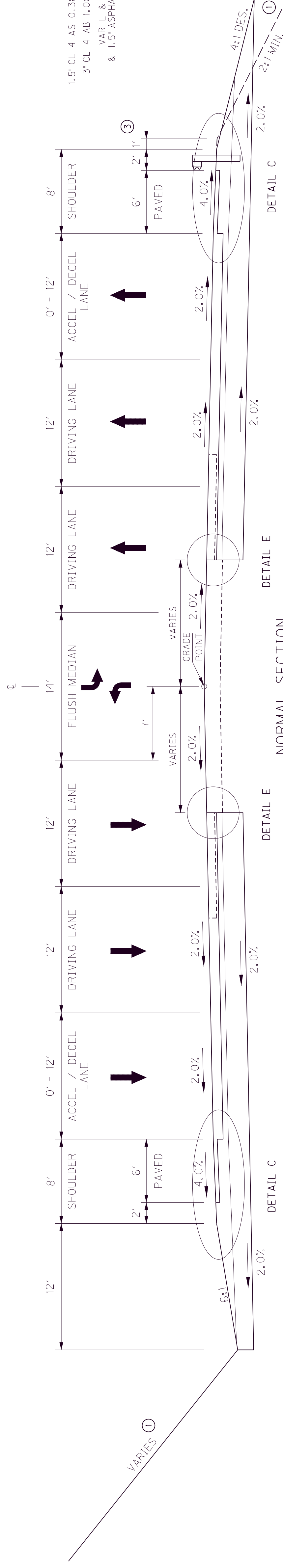
OVERLAY	APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
	APPROX. 3" BASE	3" CLASS 4 ASPHALT BASE 1.00 PG76-22
	EXISTING SURFACE PREPARATION	VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING
TRAFFIC LANES - WIDENING	APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
	APPROX. 14.25" BASE	4" CLASS 4 ASPHALT BASE 1.000 PG76-22 4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22 6" CRUSHED STONE BASE
	SUBGRADE PREPARATION	24" ROCK ROADBED
SHOULDERS	APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
	APPROX. 14.25" BASE	4" CLASS 4 ASPHALT BASE 1.000 PG76-22 4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22 6" CRUSHED STONE BASE
	SUBGRADE PREPARATION	24" ROCK ROADBED

TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN
W/ RIGHT TURN LANE

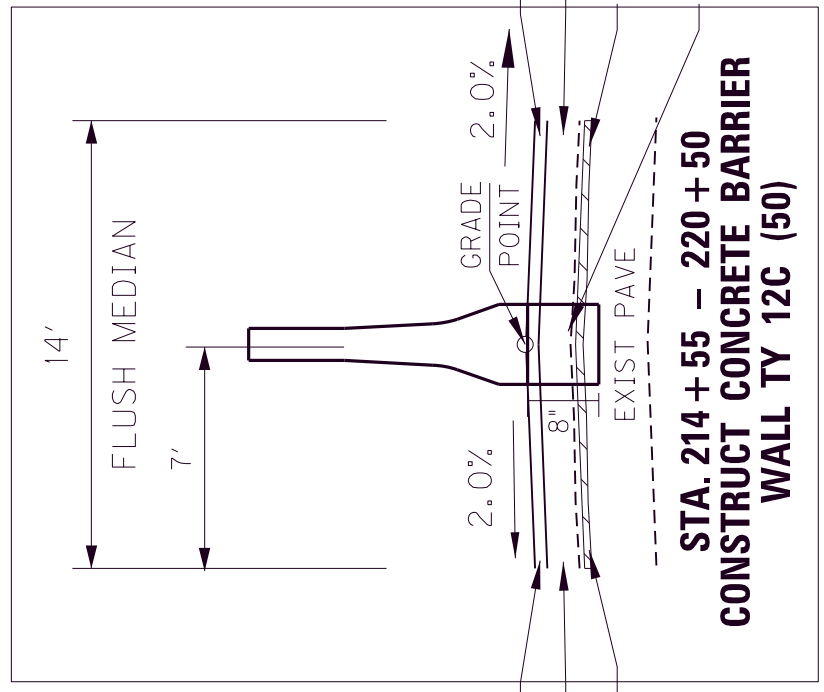
SCALE: N.T.S

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN WITH ACCEL / DECEL LANE

STA. 175+75 to STA. 351+50

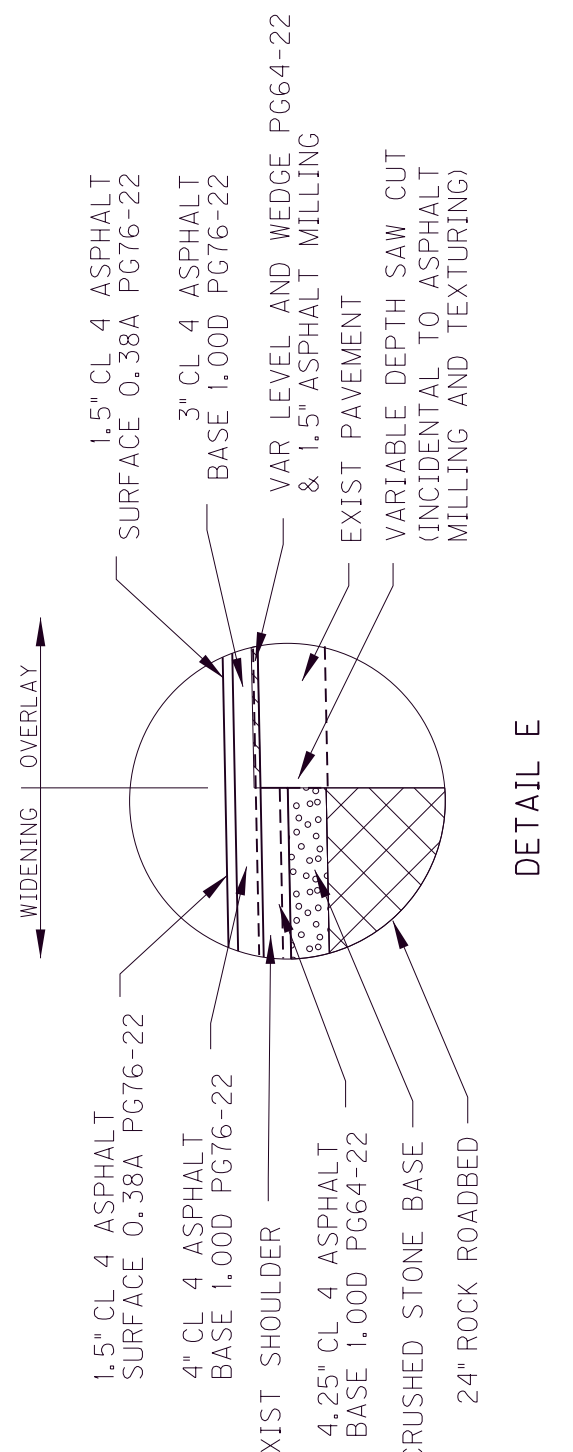


- NOTES:**
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
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ASPHALT SEAL COAT 2.40 LB/SG. YD.
ASPHALT SEAL AGGREGATE 20 LB/SG. YD. (SIZE NO. 8 OR 9M)
 - ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SG



KY 461

- OVERLAY**
- APPROX. 1.5" SURFACE
 - APPROX. 3" BASE
 - EXISTING SURFACE PREPARATION
 - TRAFFIC LANES - WIDENING
 - APPROX. 1.5" SURFACE
 - APPROX. 14.25" BASE
 - SUBGRADE PREPARATION
 - 24" ROCK ROADBED
- SHOULDERS**
- APPROX. 1.5" SURFACE
 - APPROX. 14.25" BASE
 - SUBGRADE PREPARATION
 - 24" ROCK ROADBED



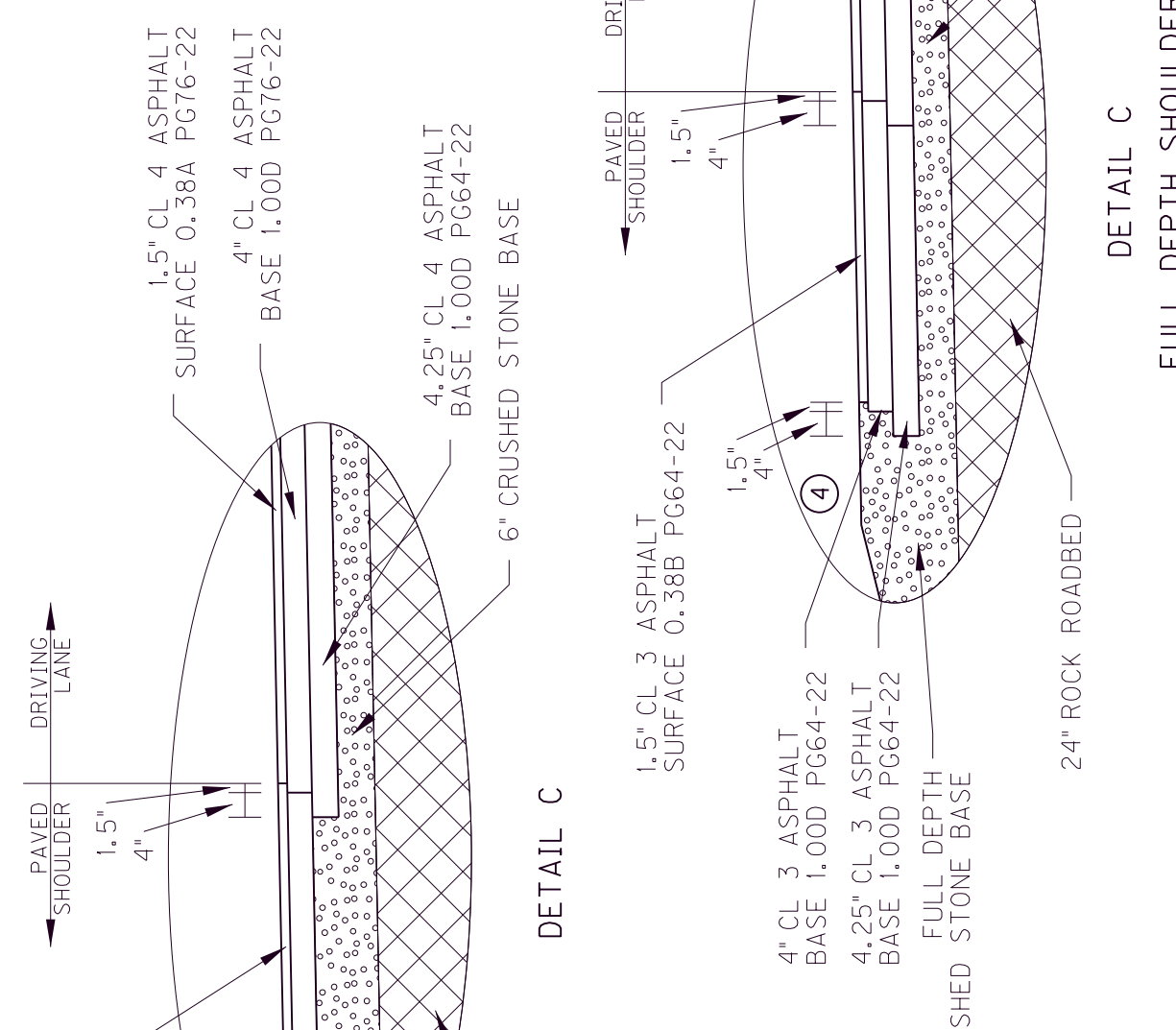
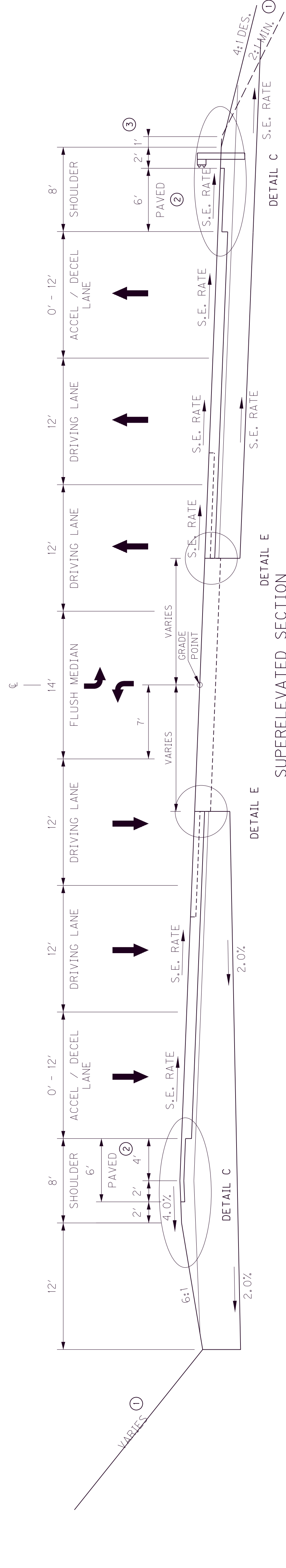
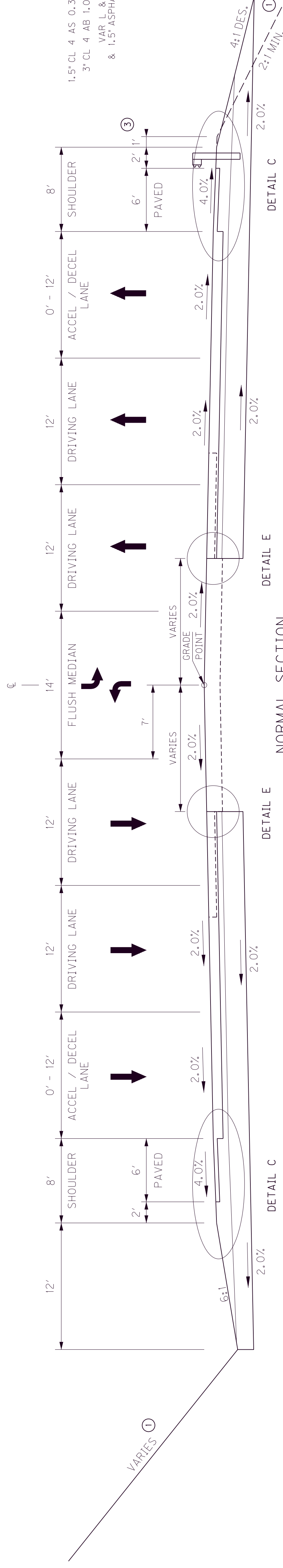
**TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN
W/ ACCEL / DECEL LANE**

SCALE: N. T. S.

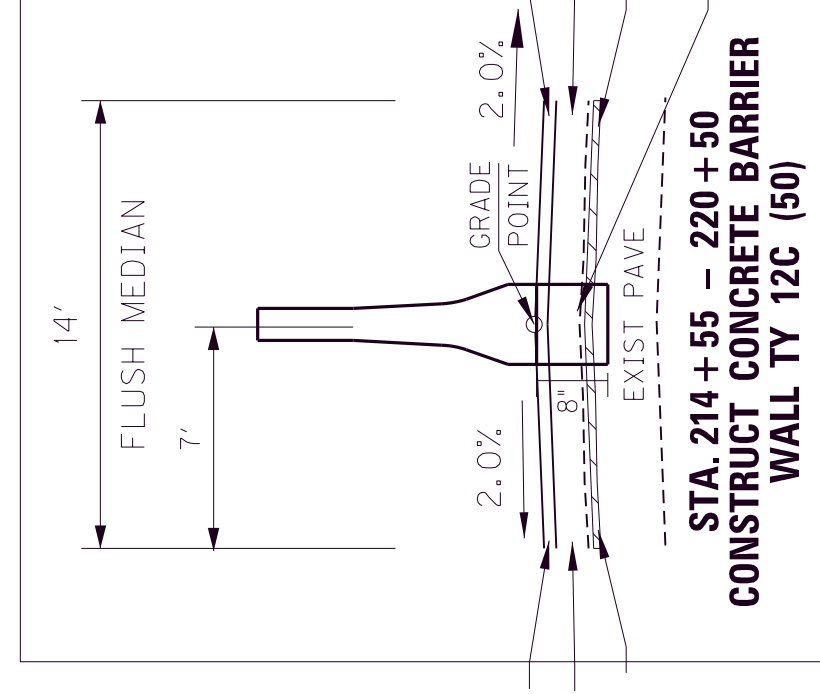
LT - STA. 221+00 TO STA. 225+50 (FOR MOT)
LT - STA. 340+55 TO STA. 351+50 (FOR MOT)

TYPICAL SECTIONS KY 461 - FLUSH MEDIAN WITH ACCEL / DECEL LANE

STA. 175+75 to STA. 351+50



- NOTES:**
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
 - SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
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ASPHALT SEAL AGGREGATE 20 LB/SG. YD. (SIZE NO. 8 OR 9M)
 - ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SG



KY 461

- OVERLAY**
- APPROX. 1.5" SURFACE
 - APPROX. 3" BASE
 - EXISTING SURFACE PREPARATION
 - TRAFFIC LANES - WIDENING
 - APPROX. 1.5" SURFACE
 - APPROX. 14.25" BASE
 - SUBGRADE PREPARATION
 - 24" ROCK ROADBED
- SHOULDERS**
- APPROX. 1.5" SURFACE
 - APPROX. 14.25" BASE
 - SUBGRADE PREPARATION
 - 24" ROCK ROADBED
- WIDENING OVERLAY**
- 1.5" CL 4 ASPHALT SURFACE 0.38A PG76-22
 - 3' CL 4 ASPHALT BASE 1.00D PG76-22
 - VAR. LEVEL AND WEDGE PG64-22 & 1.5" ASPHALT MILLING
 - EXIST. PAVEMENT
 - VARIABLE DEPTH SAW CUT (INCIDENTAL TO ASPHALT MILLING AND TEXTURING)

TYPICAL SECTIONS
KY 461 - FLUSH MEDIAN
W/ ACCEL / DECEL LANE

SCALE: N. T. S.

FULL DEPTH SHOULDERS
LT - STA. 221+00 TO STA. 225+50 (FOR MOT)
LT - STA. 340+55 TO STA. 351+50 (FOR MOT)

FULL DEPTH SHOULDER

DETAIL C

DETAIL E

DETAIL C

DETAIL E

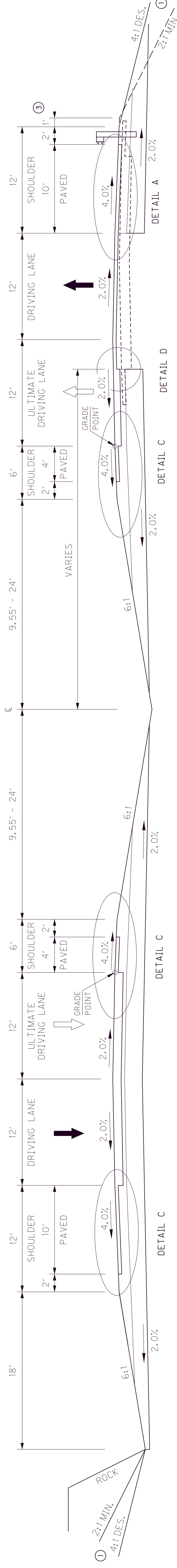
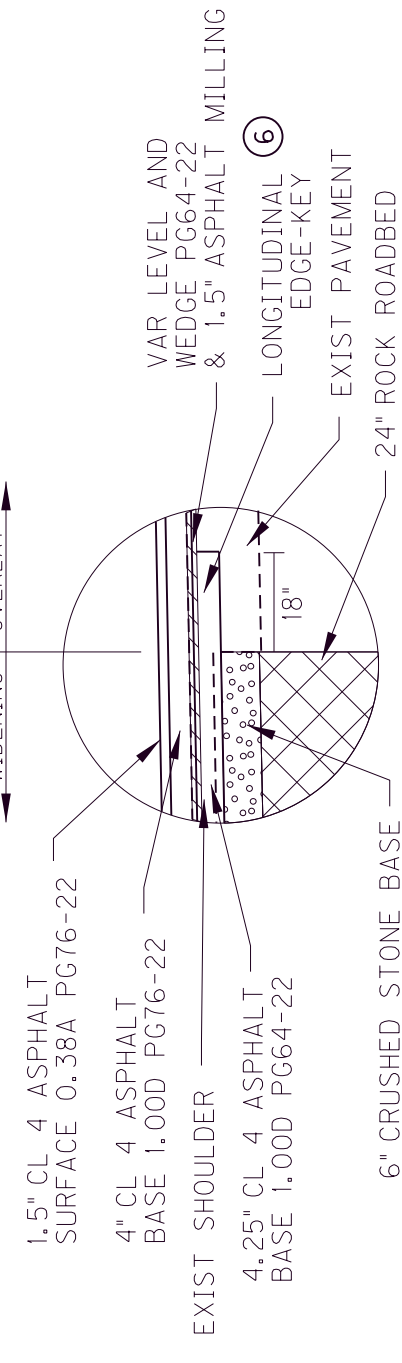
DETAIL C

DETAIL E

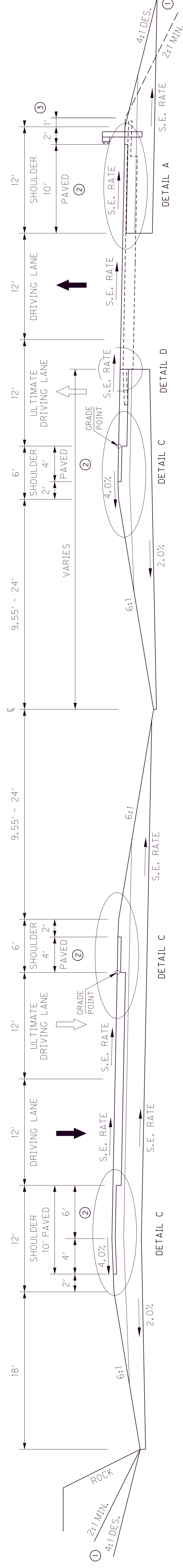
TYPICAL SECTIONS SOMERSET NORTHERN BYPASS /KY 80

STA. 725+25 to STA. 736+50

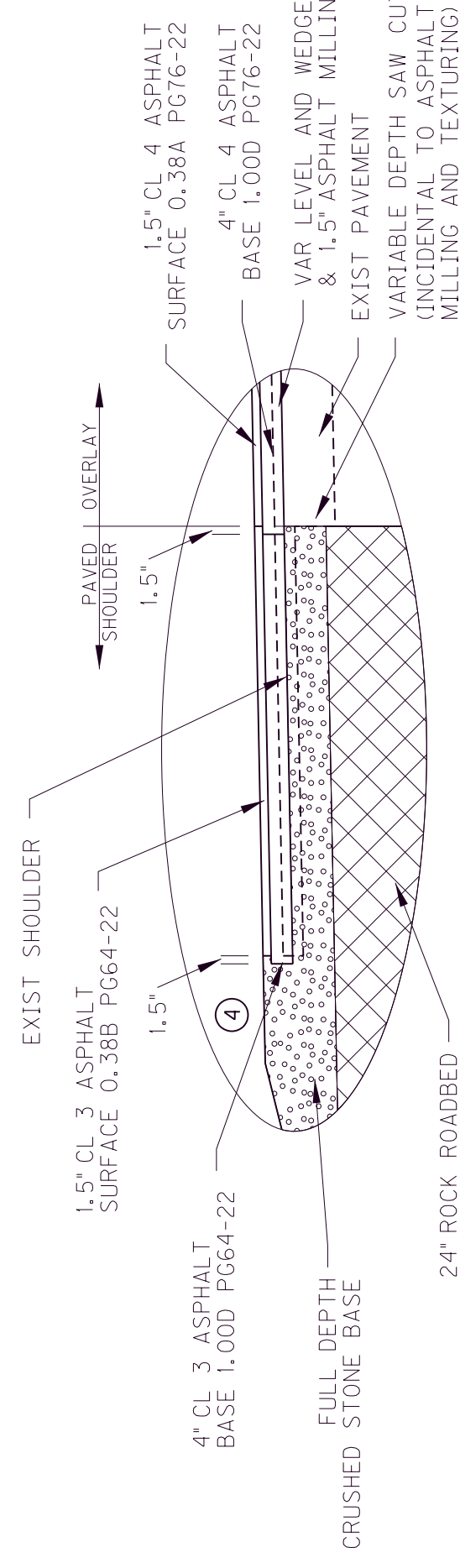
COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59, 25 8-59, 26	R2m



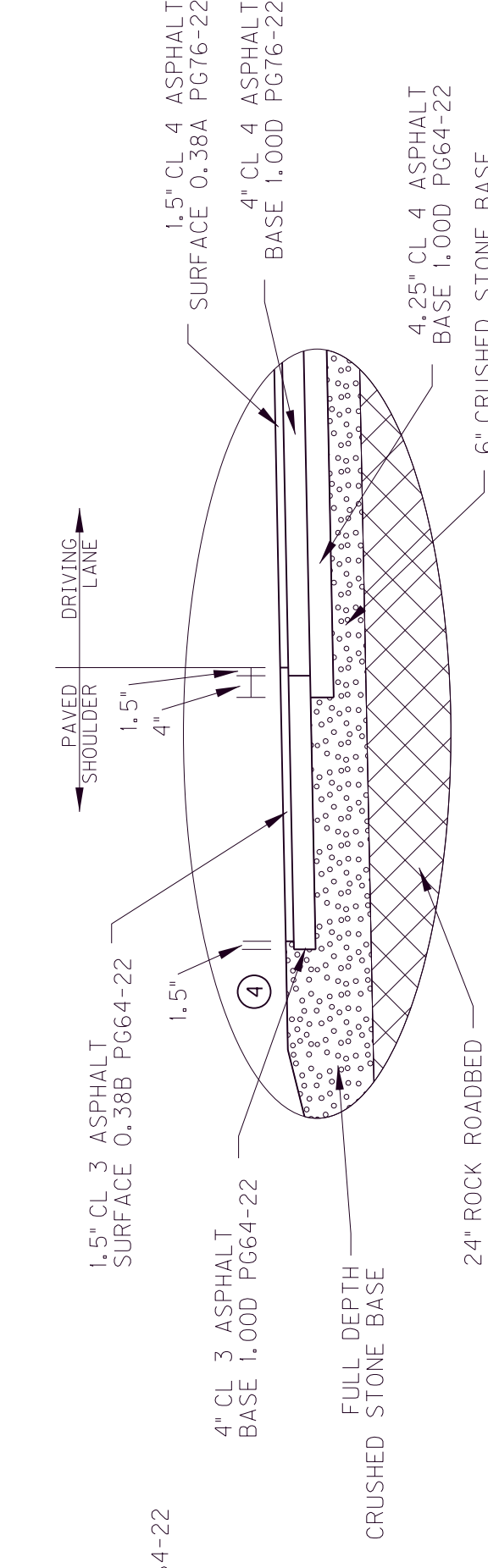
NORMAL SECTION



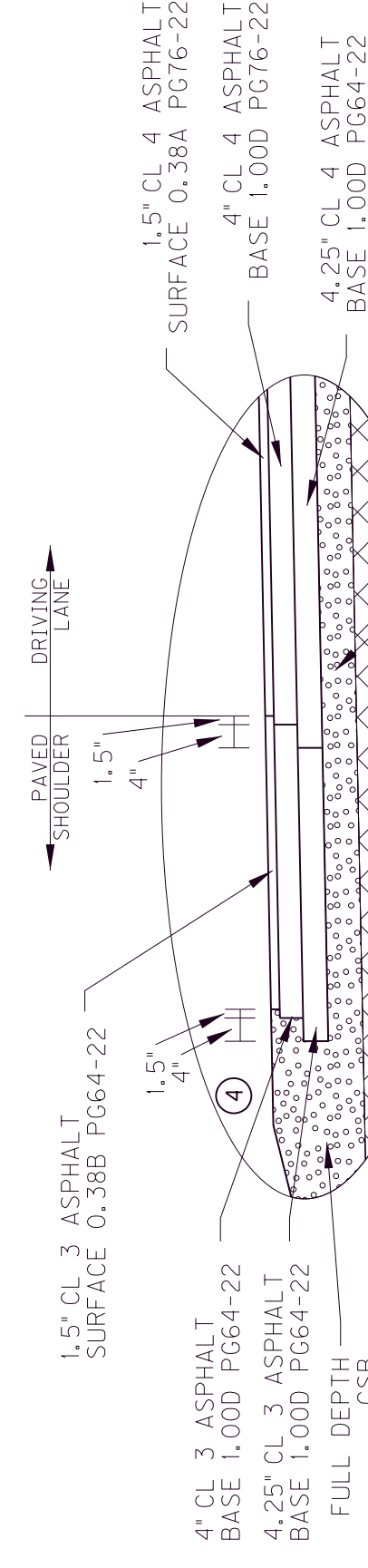
SUPERELEVATED SECTION



DETAIL A
NO WIDENING - SHOULDER DIGOUT ONLY



DETAIL C
FULL DEPTH SHOULDER



DETAIL C
FULL DEPTH SHOULDER

NOTES:

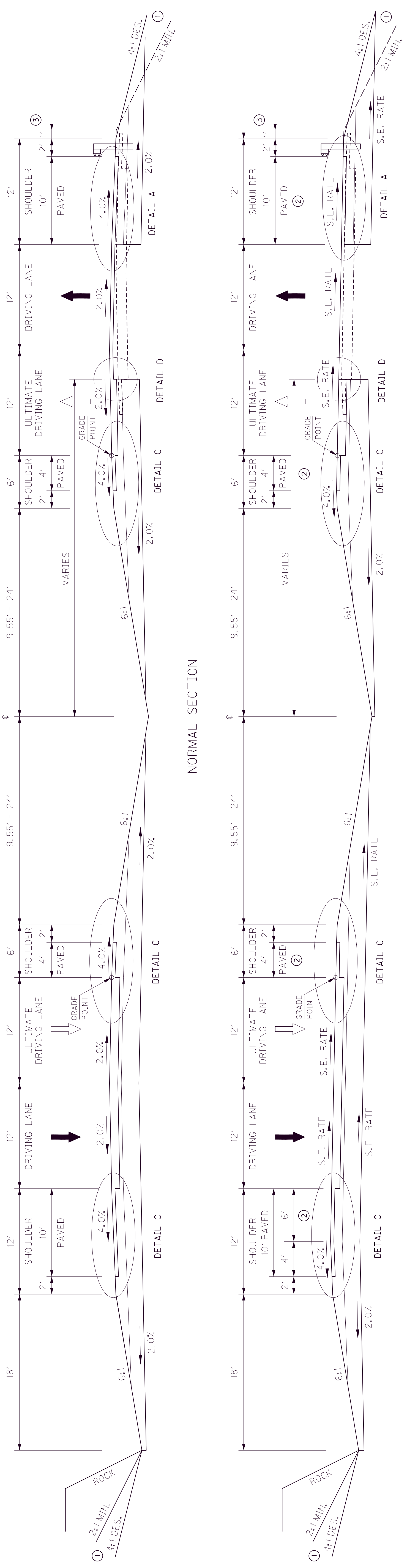
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
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ASPHALT SEAL COAT: 2.40 LB/SQ. YD.
ASPHALT SEAL AGGREGATE: 20 LB/SQ. YD. (SIZE NO. 8 OR 9M)
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK: 0.70 LB/SY
- KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

FULL DEPTH SHOULDERS
LT - STA. 725+24.09
To STA. 726+02.48 (FOR ULT RAMP E)
RT - STA. 726+46.37 to
STA. 736+63.23 (FOR ULT RAMP B)

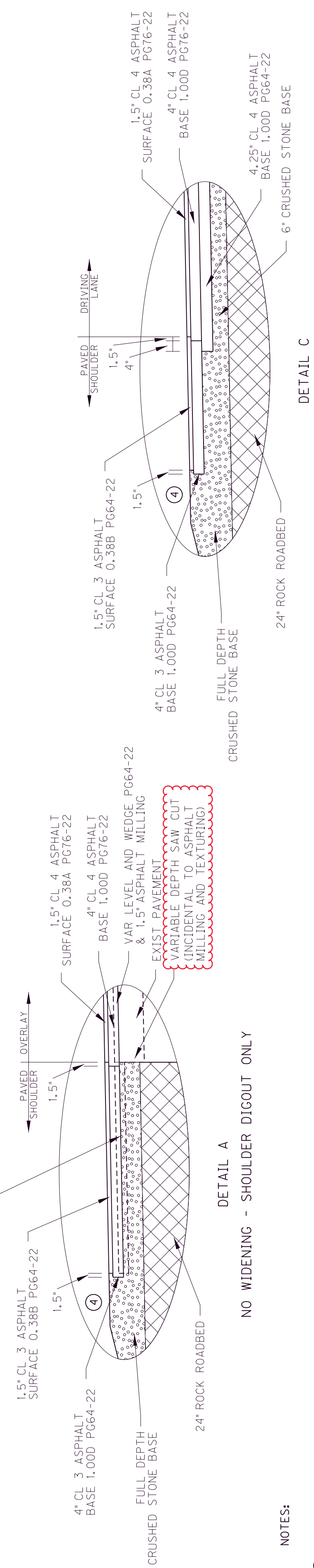
OVERLAY	TRAFFIC LANES	SHOULDERS
APPROX. 1.5" SURFACE	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22	APPROX. 1.5" SURFACE
APPROX. 4" BASE	4" CLASS 4 ASPHALT BASE 1.000 PG76-22	APPROX. 14.25' BASE
EXISTING SURFACE 1.5" ASPHALT MILLING PREPARATION	VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING	SUBGRADE PREPARATION
	24" ROCK ROADBED	24" ROCK ROADBED

TYPICAL SECTIONS SOMERSET NORTHERN BYPASS /KY 80

STA. 725+25 to STA. 736+50



SUPERELEVATED SECTION

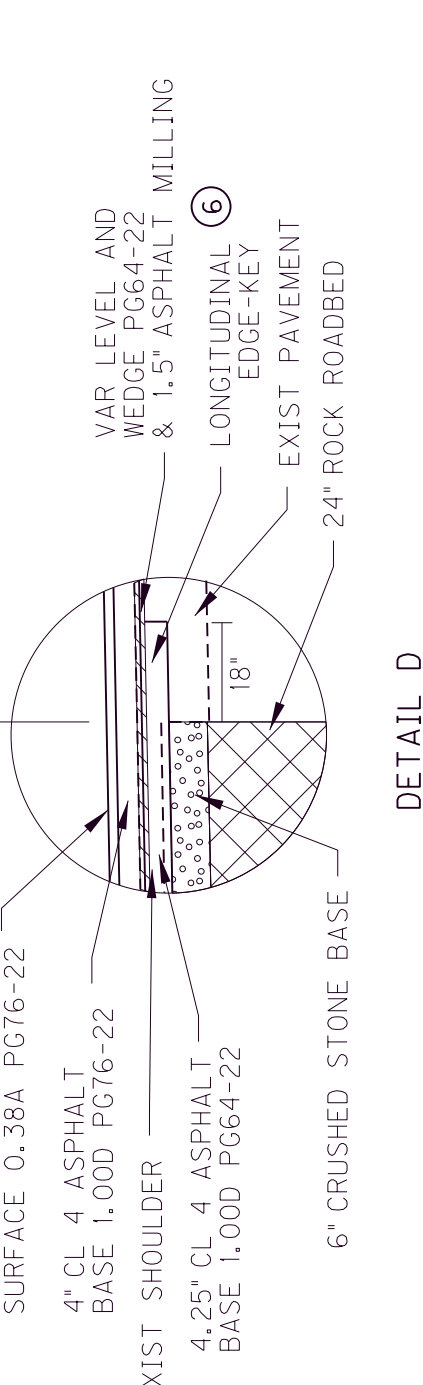


NO WIDENING - SHOULDER DIGOUT ONLY

NOTES:

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL COAT 2.40 LB/SQ. YD.
ASPHALT SEAL AGGREGATE 20 LB/SQ. YD. (SIZE NO. 8 OR 9M)
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY
- KEY IN BOTTOM BASE COURSE 18" INTO EXISTING PAVEMENT WHERE NECESSARY TO BE PAID WITH MILLING AND PAVEMENT QUANTITIES

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59, 25 8-59, 26	R2m
REVISED 9-21-20		



FILE NAME:	DATE PLOTTED:	USER:
G:\ENGR\HD1033_04\PHASE 1\SUBMITTALS\FINAL PLANS - UPDATED\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\R020MT1.DGN	September 15, 2020	gyoung
E-SHEET NAME:	FULL DEPTH SHOULDERS	
8-59, 25	LT - STA. 725+24.09	
8-59, 26	RT - STA. 726+46.37 TO	
	STA. 736+63.23 (FOR ULT RAMP B)	

OVERLAY	SHOULDERS
APPROX. 1.5' SURFACE	APPROX. 1.5' SURFACE
APPROX. 4' BASE	APPROX. 14.25' BASE
EXISTING SURFACE PREPARATION	SUBGRADE PREPARATION
1.5' CLASS 4 ASPHALT SURFACE 0.38A PG76-22	1.5' CLASS 3 ASPHALT SURFACE 0.38B PG64-22
4' CLASS 4 ASPHALT BASE 1.00D PG76-22	4' CLASS 3 ASPHALT BASE 1.00D PG64-22
VAR LEVEL AND WEDGE PAVEMENT 1.5' ASPHALT MILLING	FULL DEPTH CRUSHED STONE BASE
	24' ROCK ROADBED

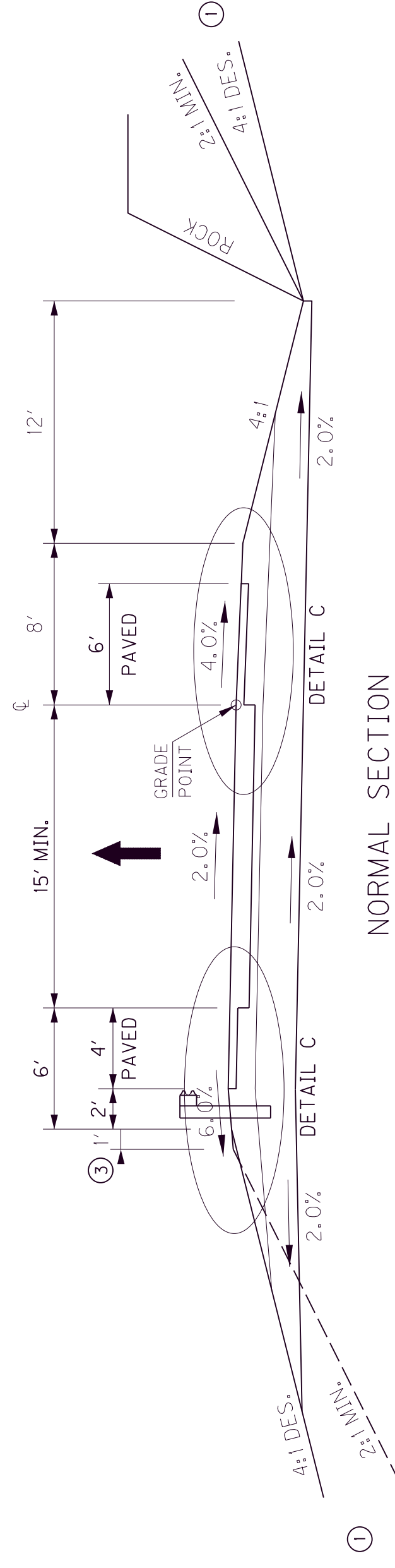
WIDENING - TRAFFIC LANES	SHOULDERS
APPROX. 1.5' SURFACE	APPROX. 1.5' SURFACE
APPROX. 14.25' BASE	APPROX. 14.25' BASE
SUBGRADE PREPARATION	SUBGRADE PREPARATION
1.5' CLASS 4 ASPHALT SURFACE 0.38A PG76-22	1.5' CLASS 3 ASPHALT SURFACE 0.38B PG64-22
4' CLASS 4 ASPHALT BASE 1.00D PG76-22	4' CLASS 3 ASPHALT BASE 1.00D PG64-22
VAR LEVEL AND WEDGE PAVEMENT 1.5' ASPHALT MILLING	FULL DEPTH CRUSHED STONE BASE
	24' ROCK ROADBED

TYPICAL SECTIONS
SOMERSET NORTHERN BYPASS / KY 80
SCALE: N. T. S.

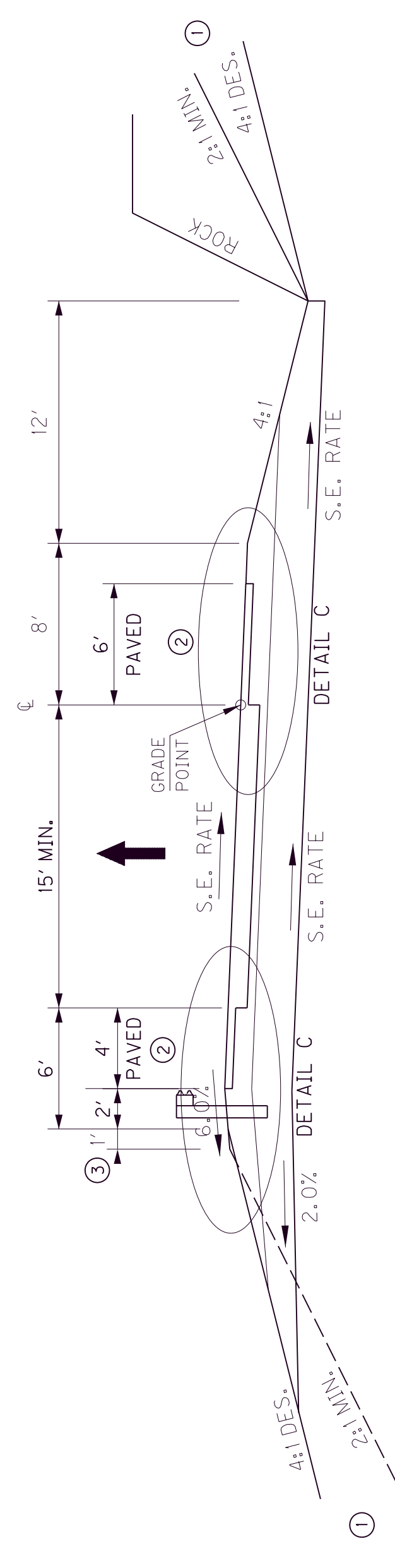
TYPICAL SECTIONS RAMPS

KY 80 / KY 461 RAMPS

RAMP A
RAMP G
RAMP H



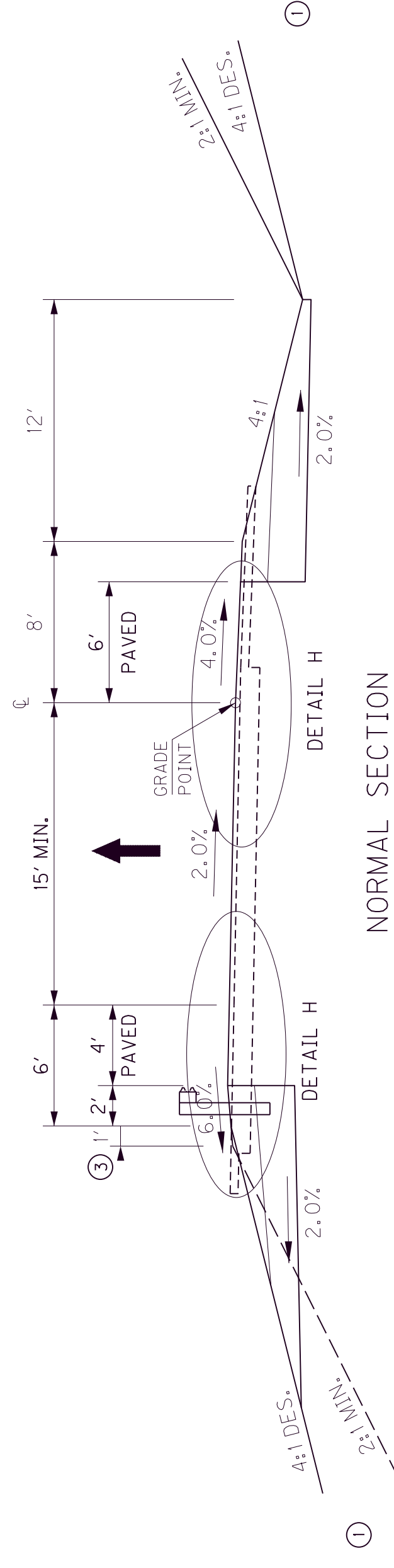
NORMAL SECTION



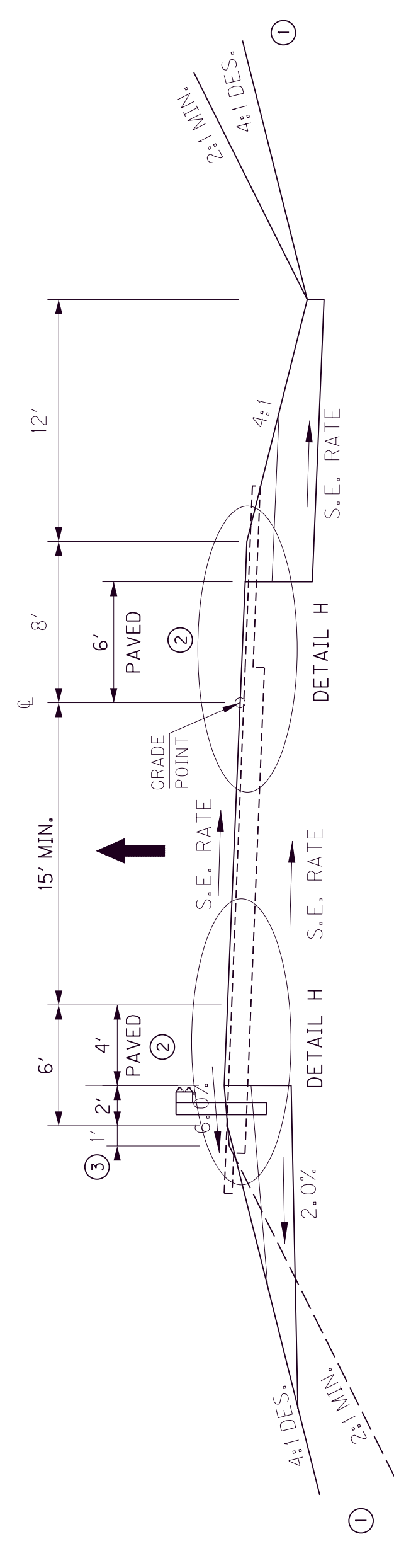
SUPERELEVATED SECTION

KY 80 / KY 461 RAMPS

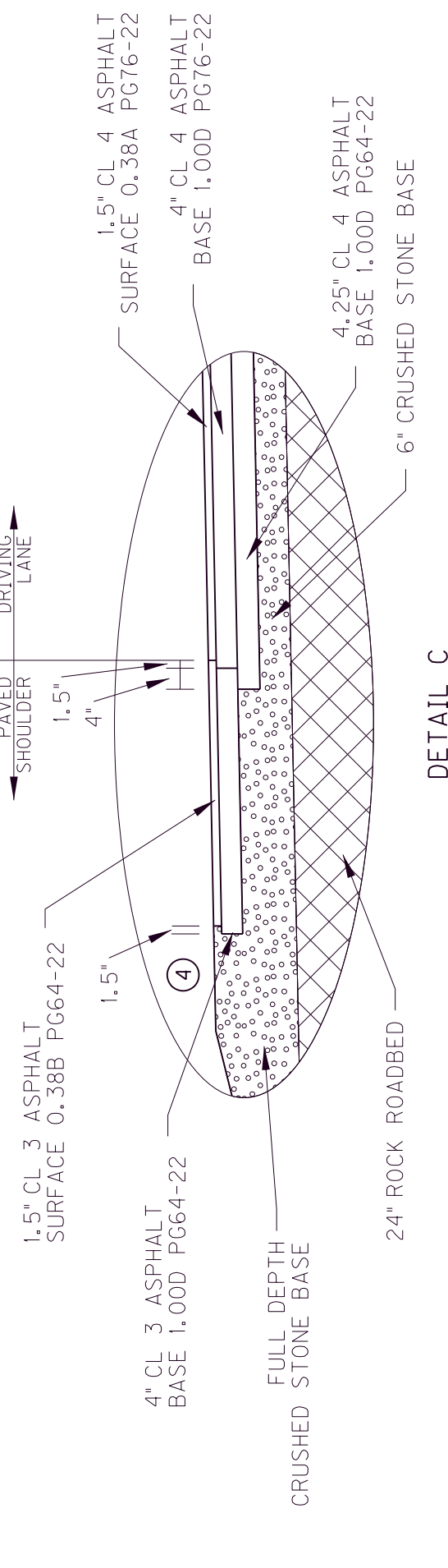
INITIAL RAMP B



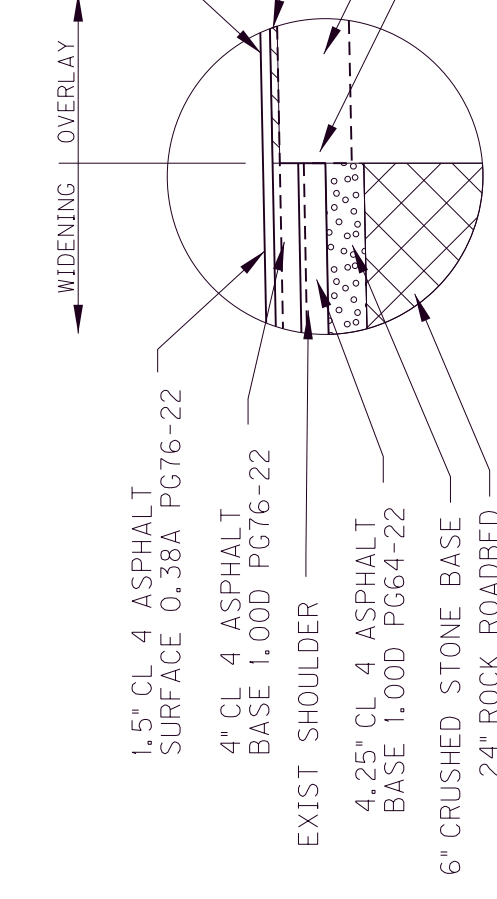
NORMAL SECTION



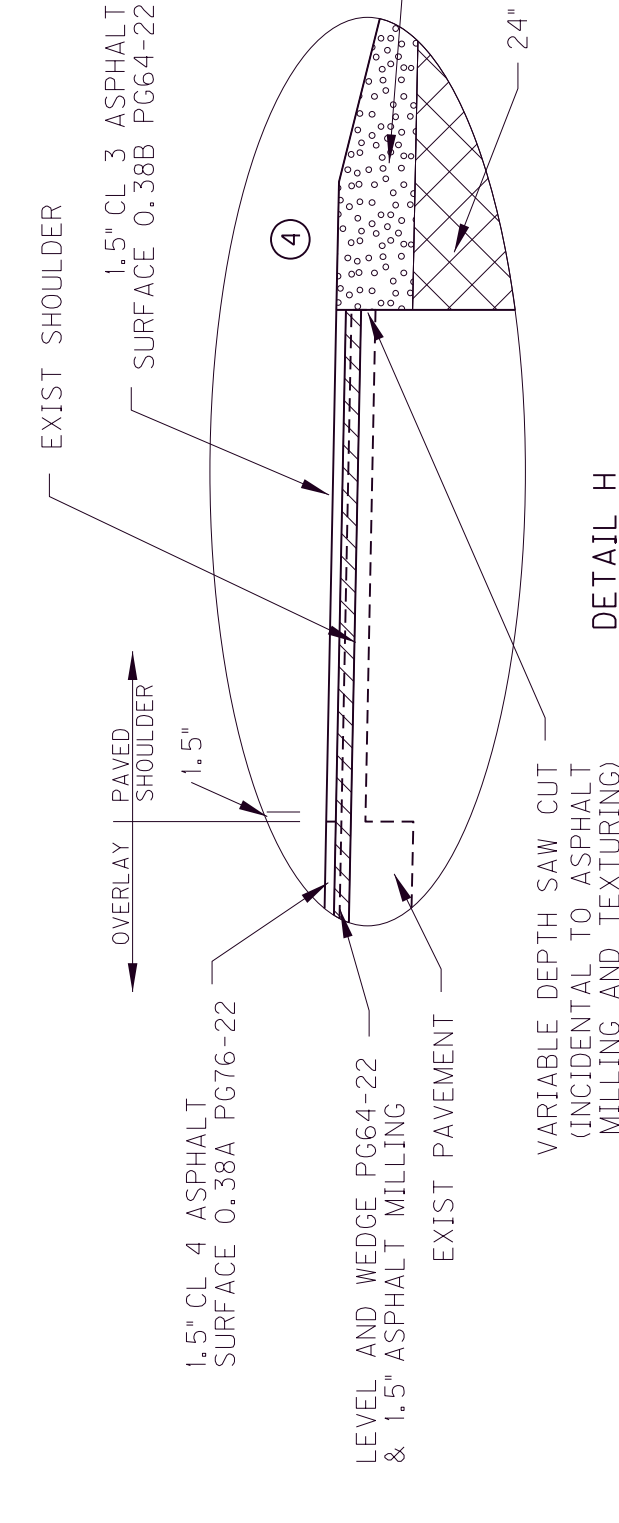
SUPERELEVATED SECTION



DETAIL C



DETAIL C



DETAIL H

NOTES:
① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
② SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
③ SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
④ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL COAT 2.40 LB/SQ. YD.
ASPHALT SEAL AGGREGATE 20 LB/SQ. YD. (SIZE NO. 8 OR 9M)
⑤ ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/SY

FILE NAME: G:\ENGR\HDI033_04\PHASE I\SUBMITTALS\FINAL PLANS - UPDATED\CONTRACT PLAN AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\R0200T.DGN
DATE PLOTTED: September 15, 2020
USER: Gyoung
E-SHEET NAME: MicroStation v8.11.9.459

OVERLAY	TRAFFIC LANES - FULL DEPTH	SHOULDERS
APPROX. 1.5" SURFACE EXISTING SURFACE PREPARATION	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22	APPROX. 1.5" SURFACE 1.5" CLASS 3 ASPHALT SURFACE 0.38B PG64-22
VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING	4" CLASS 4 ASPHALT BASE 1.000 PG76-22 4.25" CLASS 4 ASPHALT BASE 1.000 PG64-22 6" CRUSHED STONE BASE	APPROX. 14.25' BASE 4" CLASS 3 ASPHALT BASE 1.000 PG64-22 FULL DEPTH CRUSHED STONE BASE
	24" ROCK ROADBED	24" ROCK ROADBED

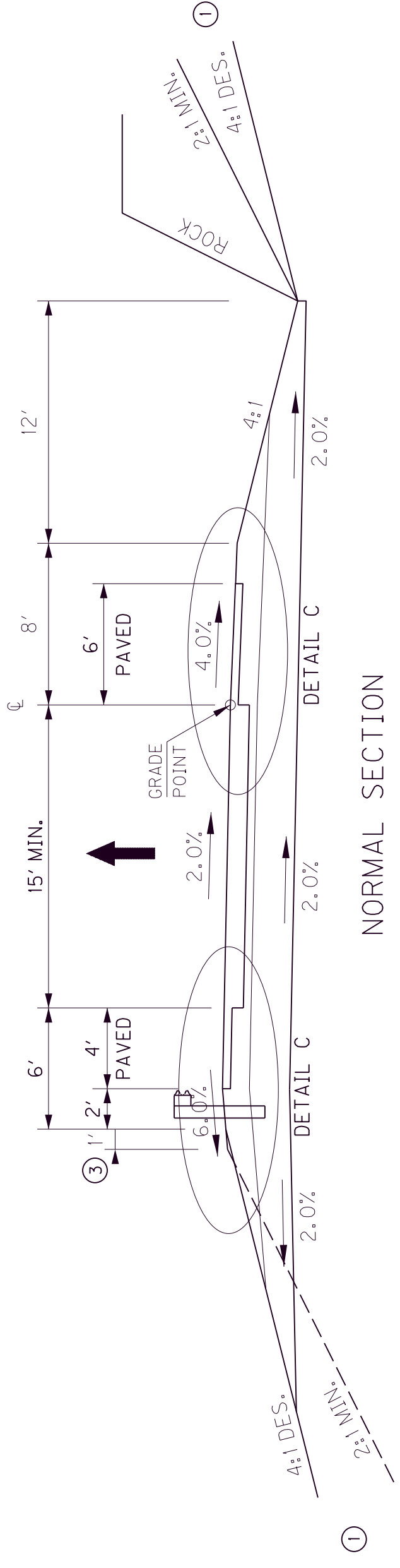
SCALE: N. T. S

TYPICAL SECTIONS
RAMPS

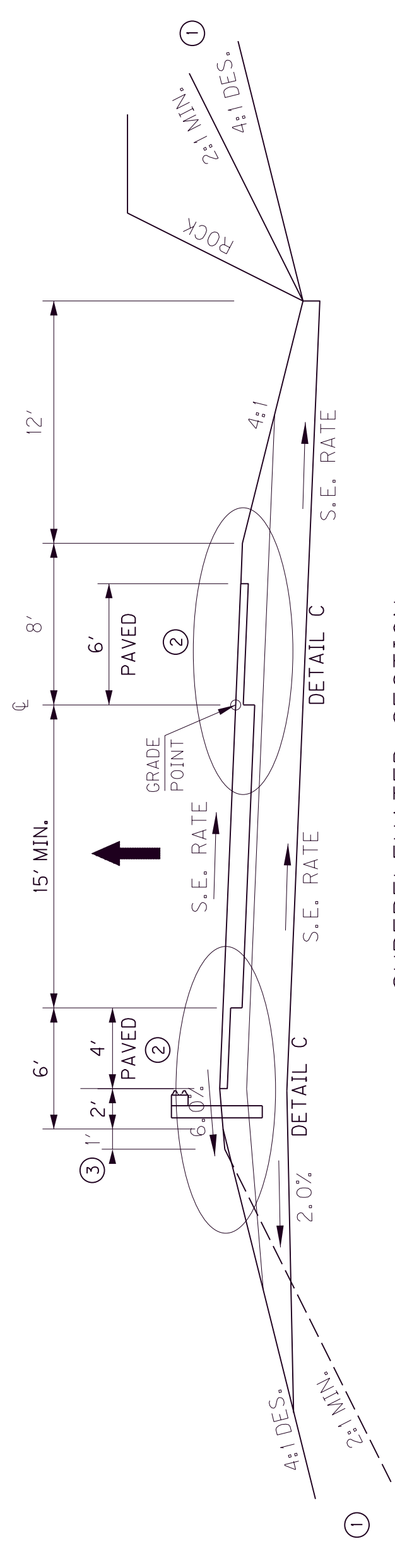
TYPICAL SECTIONS RAMPS

KY 80 / KY 461 RAMPS

RAMP A
RAMP G
RAMP H



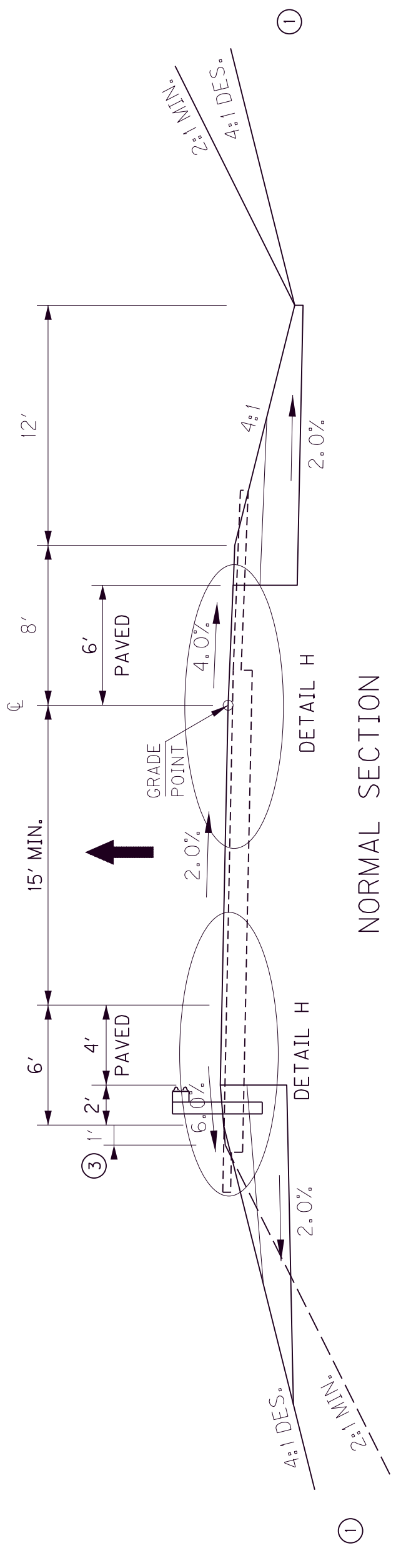
NORMAL SECTION



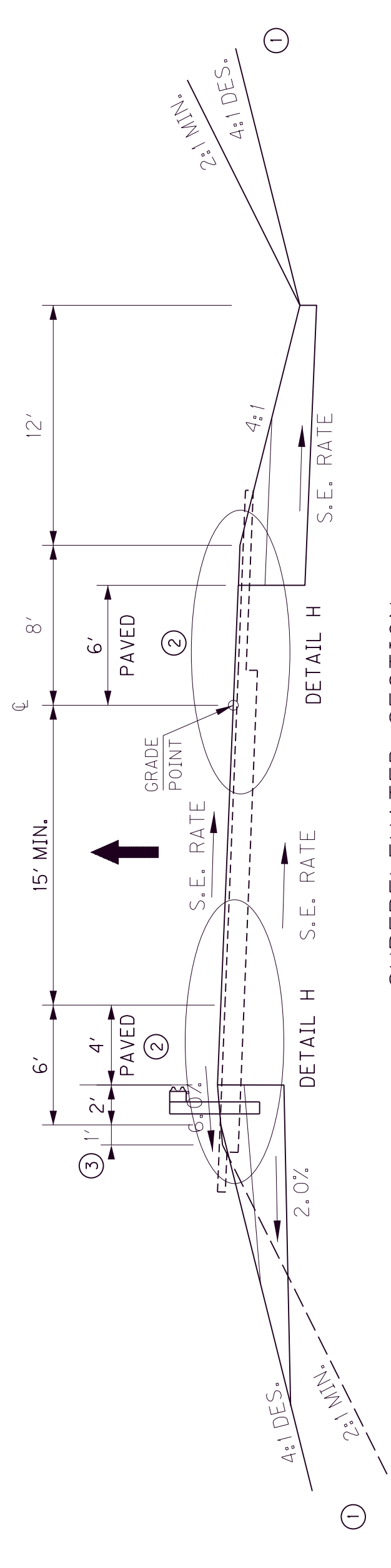
SUPERELEVATED SECTION

KY 80 / KY 461 RAMPS

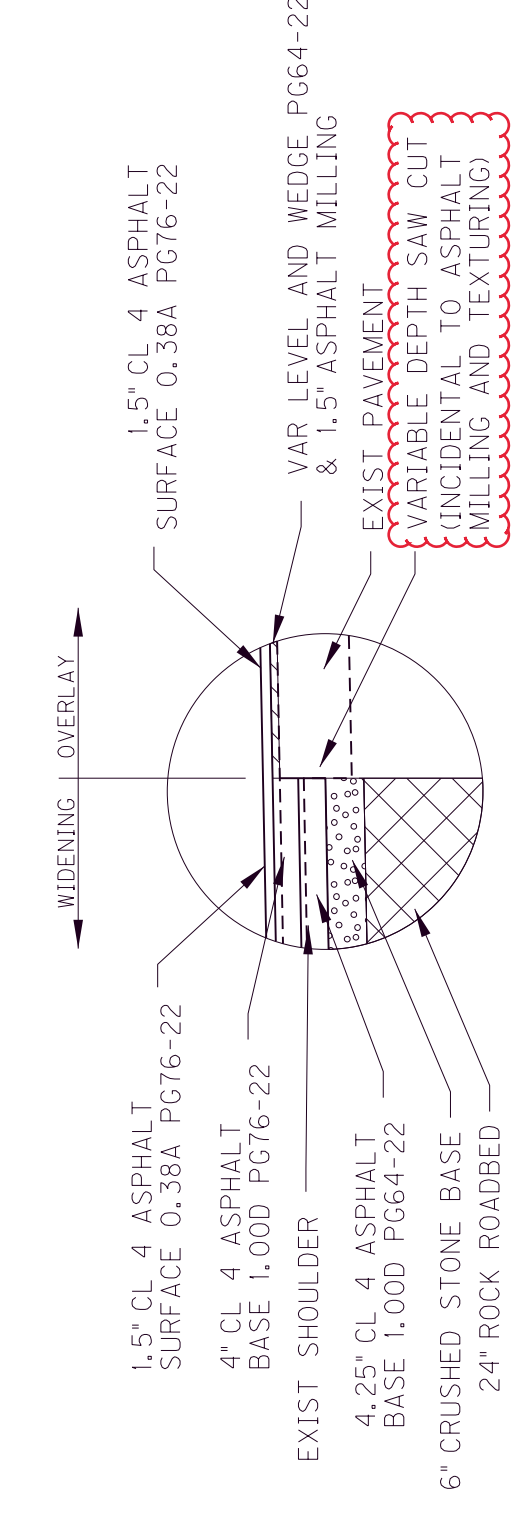
INITIAL RAMP B



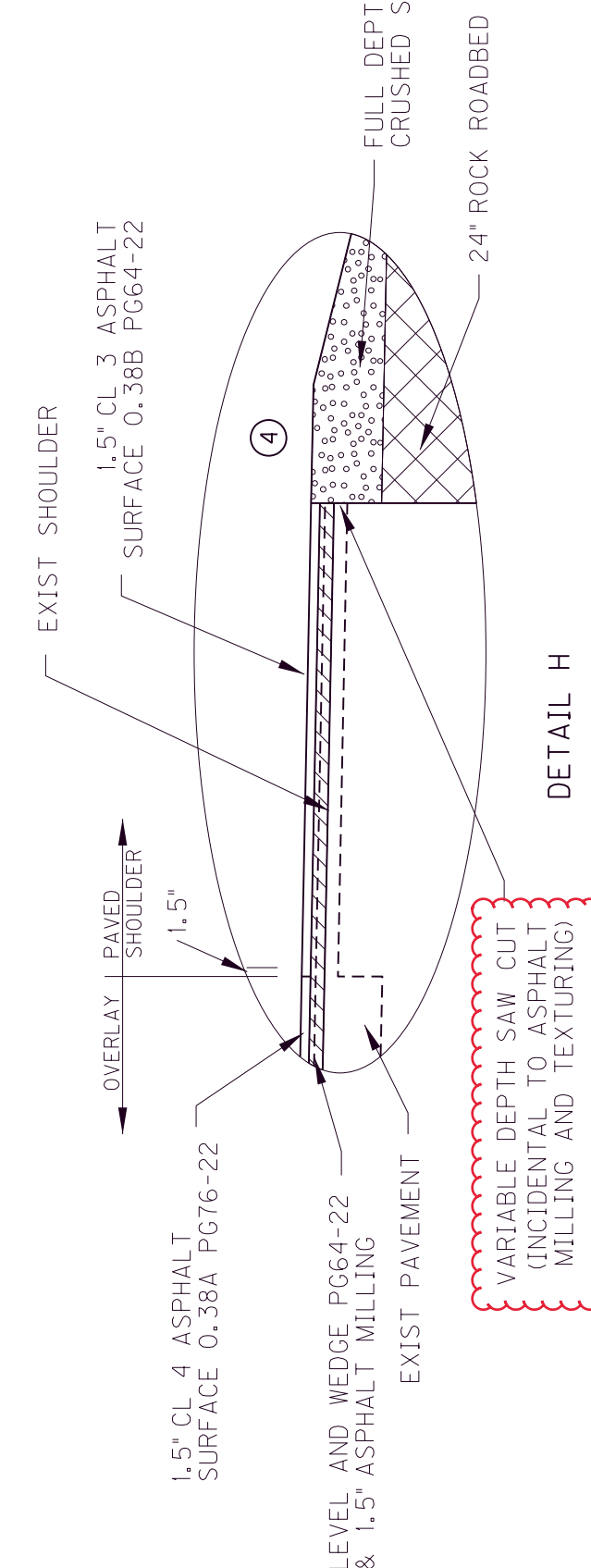
NORMAL SECTION



SUPERELEVATED SECTION



DETAIL C
RAMP A STA. 27+00.00 TO STA. 29+33.91



DETAIL H

NOTES:

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- SUPERELEVATED SHOULDERS CONSTRUCT TO STANDARD SUPERELEVATION EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SHOULDERS.
- SHOULDERS SHALL BE WIDENED ONE FOOT WHERE GUARDRAIL IS TO BE INSTALLED
- ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
ASPHALT SEAL COAT 2-40 LB/50. YD
ASPHALT SEAL AGGREGATE 20 LB/50. YD. (SIZE NO. 8 OR 9M)
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
ASPHALT MATERIAL FOR TACK 0.70 LB/5Y

RAMPS

OVERLAY	TRAFFIC LANES - FULL DEPTH	SHOULDERS
APPROX. 1.5" SURFACE EXISTING SURFACE PREPARATION	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22 VAR LEVEL AND WEDGE PG64-22 1.5" ASPHALT MILLING	APPROX. 1.5" SURFACE 1.5" CLASS 3 ASPHALT SURFACE 0.38B PG64-22
	1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22 4" CLASS 4 ASPHALT BASE 1.00D PG76-22 4.25" CLASS 4 ASPHALT BASE 1.00D PG64-22 6" CRUSHED STONE BASE	APPROX. 14.25' BASE 4" CLASS 3 ASPHALT BASE 1.00D PG64-22 FULL DEPTH CRUSHED STONE BASE SUBGRADE PREPARATION
	24" ROCK ROADBED	24" ROCK ROADBED

SCALE: N. T. S

TYPICAL SECTIONS
RAMPS

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2V

ITEM	DESCRIPTION	UNIT	KY 80/KY 461	NORTHERN BYPASS/KY 80	RAMP A	INITIAL RAMP B	RAMP B	RAMP C	RAMP D	RAMP E	RAMP G	RAMP H	MARK SHOPIRE ROAD	COIN ROAD CONNECTOR	PIN OAK DRIVE CONNECTOR	COIN ROAD/PIN OAK DRIVE	VALLEY OAK DRIVE	ENTRANCES	PROJECT TOTAL
00078	CRUSHED AGGREGATE SIZE NO. 2	TON																	1360
01000	PERFORATED PIPE-4 IN	LF	106	193									81	106			74		863
01010	NON-PERFORATED PIPE-4 IN	LF	12	12									12	8					116
01020	PERF PIPE HEADWALL TY 1-4 IN	EACH	1										1						2
01028	PERF PIPE HEADWALL TY 3-4 IN	EACH		1															7
01032	PERF PIPE HEADWALL TY 4-4 IN	EACH												1					1
01691	FLUME INLET TYPE 2	EACH	4												5				9
01810	STANDARD CURB AND GUTTER	LF															1,472		1,472
01875	STANDARD HEADER CURB	LF													216				216
01891	ISLAND HEADER CURB TYPE 2	LF	58																58
01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	EACH	42	35	20	10													116
01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	EACH	26	13	7	5													72
01986	DELINEATOR FOR BARRIER WALL - B/Y	EACH	6										20	11					6
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	88												25				151
01990	DELINEATOR FOR BARRIER WALL - B/W	EACH	32												8				40
02003	RELOCATE TEMPORARY CONCRETE BARRIER WALL	LF	1,580											360					1,940
02014	BARRICADE-TYPE III	EACH																	14
02091	REMOVE PAVEMENT	SQ YD	109	4,092	1,279	1,591									2,507				11,775
02159	TEMP DITCH	LF																	22,680
02160	CLEAN TEMP DITCH	LF																	11,340
02200	ROADWAY EXCAVATION	CU YD																	2,913,773
02242	WATER	MGAL																	10,000
02262	FENCE-WOVEN WIRE TYPE 1	LF	6,535	5,072	377														22,680
02268	REMOVE & REPLACE FENCE	LF	26,338	555	1,379														11,340
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	11,762.5	3,875	1,412.5	600										1,487.5			22,350
02352	GUARDRAIL-STEEL W BEAM-D FACE	LF	275																275
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	8										1		1				12
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	5										4		4				13
02365	CRASH CUSHION TY IX-A	EACH	2																2
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	12	7	1	3							2		1				26
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	13	5	2	3									3				29
02381	REMOVE GUARDRAIL	LF	5,048		1,701														6,749
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	5																5
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH			1														3
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	35	5									6	2	6	16	6		92
02432	WITNESS POST	EACH	10	2									1		5				22
02471	FILL AND CAP SINKHOLE	EACH																	2
02488	CHANNEL LINING CLASS IV	CU YD																	35,976
02545	CLEARING AND GRUBBING	LS																	1
02555	CONCRETE-CLASS B	CU YD																	372,75
02562	TEMPORARY SIGNS	SQ FT	2,064	352	96	96							72	96	144	72			3,280
02568	MOBILIZATION	LS																	1
02569	DEMobilIZATION	LS																	1
02585	EDGE KEY	LF	257	20									40						317
02602	FABRIC-GEOTEXTILE CLASS 1	SQ YD																	30,000
02603	FABRIC-GEOTEXTILE CLASS 2	SQ YD																	6,200
02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPES	SQ YD																	25,764
02650	MAINTAIN & CONTROL TRAFFIC	LS																	1
02651	DIVERSIONS (BY-PASS DETOURS) DIVERSION 1 RAMP A	LS			1														1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH																	10
02676	MOBILIZATION FOR MILL & TEXT	LS																	1
02690	SAFELOADING	CU YD		31		257													288
02692	SETTLEMENT PLATFORM	EACH	2																2
02696	SHOULDER RUMBLE STRIPS	LF	59,429	18,210	3,774	4,756													93,479

NOTES:
 QUANTITIES FOR ALL APPROACHES NOT LISTED ARE CARRIED ON THE RESPECTIVE MAINLINES.
 ① 10 TON FOR PERF PIPE 100 TON FOR CONST. ENTR. 1250 TON (GEOTECH NOTE#10) SEE GENERAL NOTES
 ② ALL EROSION CONTROL QUANTITIES ARE BASED ON THE PROBABLE AMOUNT OF EROSION CONTROL FEATURES AS ESTIMATED BY THE DESIGNER. INCLUDES APPROACHES & ENTRANCES.
 ③ FOR DUST CONTROL WHILE MAINTAINING TRAFFIC ONLY
 ④ CARRIED OVER FROM GUARDRAIL SUMMARY
 ⑤ TO BE USED AT THE DISCRETION OF THE ENGINEER
 ⑥ 1,475 CY FROM PIPE SUMMARY 34,501 CY FOR DITCH LINING
 ⑦ APPROXIMATELY 305 ACRES
 ⑧ 61.75 CY FOR WOVEN WIRE FENCE 311 FOR GRT CL IV CHANNEL LIN.
 ⑨ FOR GEOTECH NOTE #14 - RRB PLACED ON SOIL
 ⑩ 200 SY FOR CONST. ENTR. 6000 SY (GEOTECH NOTE#10)
 ⑪ GROUND/SIGN POST MOUNTED BARRICADES WILL BE INSTALLED AT THE CLOSURES OF ULT RAMPS. THE CABINET WILL RETAIN POSSESSION OF THESE BARRICADES.

EARTHWORK QUANTITIES

EXCAVATION	CU YD
COMMON	1,107,148
ROCK	1,663,559
DT. L.T.	19,204
DT. RT.	45,290
EMB. BCH.	47,528
TRANS. BCH.	25,869
ENTRANCES	4,495
EXC. (FROM PIPE SUMMARY)	679
	2,913,773
EMBANKMENT	CU YD
EMBANKMENT	2,107,714
ROCK ROADBED	265,733
EMB. BCH	47,528
TRANS. BCH.	25,869
ROCK EMB.	51,003
ENTRANCES	542
CLASS IV CHANNEL LINING	35,947
WASTE	-
	2,534,337
	379,436

GENERAL SUMMARY

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2V

ITEM	DESCRIPTION	UNIT	KY 80/KY 461	NORTHERN BYPASS/KY 80	RAMP A	INITIAL RAMP B	RAMP B	RAMP C	RAMP D	RAMP E	RAMP G	RAMP H	MARK SHOPYILLE ROAD	COIN ROAD CONNECTOR	PIN OAK DRIVE CONNECTOR	PIN OAK ROAD/COIN ROAD DRIVE	VALLEY OAK DRIVE	ENTRANCES	PROJECT TOTAL
00078	CRUSHED AGGREGATE SIZE NO. 2	TON																	1360
01000	PERFORATED PIPE-4 IN	LF	106	193									81	106			74		863
01010	NON-PERFORATED PIPE-4 IN	LF	12	12						151		152	12	8					
01020	PERF PIPE HEADWALL TY 1-4 IN	EACH	1							36		36	1						116
01028	PERF PIPE HEADWALL TY 3-4 IN	EACH		1						3		3							2
01032	PERF PIPE HEADWALL TY 4-4 IN	EACH												1					7
01691	FLUME INLET TYPE 2	EACH	4												5				1
01810	STANDARD CURB AND GUTTER	LF															1,472		9
01875	STANDARD HEADER CURB	LF													216				216
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01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	EACH	26	13	7	5						21							72
01986	DELINEATOR FOR BARRIER WALL - B/Y	EACH	6										20	11					6
01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	88												25			7	151
01990	DELINEATOR FOR BARRIER WALL - B/W	EACH	32												8				40
02003	RELOCATE TEMPORARY CONCRETE BARRIER WALL	LF	1,580											360					1,940
02014	BARRICADE-TYPE III	EACH																	14
02091	REMOVE PAVEMENT	SQ YD	109	4,092	1,279	1,591									2,507		1,715	81	11,775
02159	TEMP DITCH	LF																	22,680
02160	CLEAN TEMP DITCH	LF																	11,340
02200	ROADWAY EXCAVATION	CU YD																	2,913,773
02242	WATER	MGAL																	10,000
02262	FENCE-WOVEN WIRE TYPE 1	LF	6,535	5,072	377		3,450	944	3,224						660				21,458
02268	REMOVE & REPLACE FENCE	LF	26,338	555	1,379														29,839
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	11,762.5	3,875	1,412.5	600						1,275	1,025	375	1,487.5			537.5	22,350
02352	GUARDRAIL-STEEL W BEAM-D FACE	LF	275																275
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	8										1		1			2	12
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	5										4		4				13
02365	CRASH CUSHION TY IX-A	EACH	2																2
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	12	7	1	3							2		1				26
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	13	5	2	3						2			3			1	29
02381	REMOVE GUARDRAIL	LF	5,048		1,701														6,749
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	5																5
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH			1							2							3
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	35	5			8	2	6				6	2	16	6			92
02432	WITNESS POST	EACH	10	2			2		2				1		5				22
02471	FILL AND CAP SINKHOLE	EACH																	2
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02568	MOBILIZATION	LS																	1
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02585	EDGE KEY	LF	257	20									40						317
02602	FABRIC-GEOTEXTILE CLASS 1	SQ YD																	30,000
02603	FABRIC-GEOTEXTILE CLASS 2	SQ YD																	2,107,714
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02650	MAINTAIN & CONTROL TRAFFIC	LS																	47,528
02651	DIVERSIONS (BY-PASS DETOURS) DIVERSION 1 RAMP A	LS			1														25,869
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH																	51,003
02676	MOBILIZATION FOR MILL & TEXT	LS																	542
02690	SAFELOADING	CU YD		31		257													288
02692	SETTLEMENT PLATFORM	EACH	2																2
02696	SHOULDER RUMBLE STRIPS	LF	59,429	18,210	3,774	4,756					2,312	4,998							93,479

NOTES:
 QUANTITIES FOR ALL APPROACHES NOT LISTED ARE CARRIED ON THE RESPECTIVE MAINLINES.
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 ⑦ APPROXIMATELY 305 ACRES
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 ⑨ FOR GEOTECH NOTE #14 - RRB PLACED ON SOIL
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EARTHWORK QUANTITIES

EXCAVATION	CU YD
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	2,913,773
EMBANKMENT	CU YD
EMBANKMENT	2,107,714
ROCK ROADBED	265,733
EMB. BCH	47,528
TRANS. BCH.	25,869
ROCK EMB.	51,003
ENTRANCES	542
CLASS IV CHANNEL LINING	35,947
WASTE	-
	2,534,337
	379,436

GENERAL SUMMARY

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59,25 8-59,26	R2W

ITEM	DESCRIPTION	UNIT	KY 80/KY 461	NORTHERN BYPASS/KY 80	RAMP A	INITIAL RAMP B	RAMP B	RAMP C	RAMP D	RAMP E	RAMP G	RAMP H	MARK SHOPIE ROAD	COIN ROAD CONNECTOR	PIN OAK DRIVE CONNECTOR	PIN OAK ROAD/ DRIVE	VALLEY OAK DRIVE	ENTRANCES	PROJECT TOTAL
02701	TEMP SILT FENCE	LF																	22,680
02703	SILT TRAP TYPE A	EACH																	346
02704	SILT TRAP TYPE B	EACH																	346
02705	SILT TRAP TYPE C	EACH																	346
02706	CLEAN SILT TRAP TYPE A	EACH																	346
02707	CLEAN SILT TRAP TYPE B	EACH																	346
02708	CLEAN SILT TRAP TYPE C	EACH																	346
02726	STAKING	LS																	1
02775	ARROW PANEL	EACH																	4
02898	RELOCATE CRASH CUSHION	EACH	6																7
02929	CRASH CUSHION TYPE IX	EACH	2																2
03171	CONCRETE BARRIER WALL TYPE 9T	LF	1,140																1,140
03340	STEEL PIPE - 2/2 IN	LF	73.5																73.5
03343	STEEL PIPE - 4 IN	LF	73.5																73.5
05950	EROSION CONTROL BLANKET	SQ YD																	43,705
05952	TEMP MULCH	SQ YD																	1,115,078
05953	TEMP SEEDING AND PROTECTION	SQ YD																	836,309
05963	INITIAL FERTILIZER	TON																	173
05964	MAINTENANCE FERTILIZER	TON																	87
05985	SEEDING AND PROTECTION	SQ YD																	1,017,445
05992	AGRICULTURAL LIMESTONE	TON																	1,037
06401	FLEXIBLE DELINEATOR POST-M/W	EACH			18	59					23	46							146
06404	FLEXIBLE DELINEATOR POST-M/Y	EACH			25	34					22	27							108
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	22,500										8,400	2,400	3,200	22,400	3,600		62,500
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF	380,670	71,580	27,200	12,800					7,200	13,600							513,050
06514	PAVE STRIPING-PERM PAINT-4 IN	LF	3,470										7,760				3,160		14,390
06541	PAVE STRIPING-THERMO-4 IN Y	LF												960	1,520	5,440			7,920
06546	PAVE STRIPING-THERMO-4 IN W	LF									105	100		800	1,380	5,635			7,815
06547	PAVE STRIPING-THERMO-12 IN W	LF	2,185	595	610	415										170			4,010
06547	PAVE STRIPING-THERMO-12 IN Y	LF	140																310
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	12,760	10,560												1,800			25,120
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	12,760	10,560									1,000			1,800			26,120
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	1,444																1,444
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	1,050																1,050
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	202										48	36	36		33		355
06574	PAVE MARKING-THERMO CURV ARROW	EACH	100	7										16					123
06588	PAVEMENT MARKER TY IVA-BY TEMP	EACH	132	132	170														434
08100	CONCRETE-CLASS A	CU YD																	59,43
08150	STEEL REINFORCEMENT	LBS																	447
08903	CRASH CUSHION TY VI CLASS BT TL3	EACH																	2
10020NS	FUEL ADJUSTMENT	DOLL																	805,043
10030NS	ASPHALT ADJUSTMENT	DOLL																	583,930
2019IED	OBJECT MARKER TY 3	EACH	12	7	2	3										1			29
23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN	LF	960																1,236
23260EC	PAVE MARK-THERMO-24 IN Y	LF	668	2,050															2,718
23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	EACH	3																3
24489EC	INLAID PAVEMENT MARKER	EACH	1,630	357	54	69										18			2,228
24679ED	PAVE MARK THERMO CHEVRON	SQ FT			184	271													455
24768EC	LANE SEPARATOR CURB	LF																	140
24814EC	PIPELINE INSPECTION	LF																	140
24862EC	PVC FOLD AND FORM PIPE LINER-18 IN	LF																	6,808
24863EC	PVC FOLD AND FORM PIPE LINER-24 IN	LF	239		220								3						223
24864EC	PVC FOLD AND FORM PIPE LINER-30 IN	LF	109																239
		LF	109																109

NOTES:
 QUANTITIES FOR ALL APPROACHES NOT LISTED ARE CARRIED ON THE RESPECTIVE MAINLINES.
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 ⑪ 48.21 CY FROM PIPE SUMMARY
 ⑫ 11.22 CY FOR CON MED BAR END
 ⑬ FOR CON MED BARRIER END
 ⑭ BARRIER WALL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR ONCE CONSTRUCTION IS COMPLETE.
 ⑮ FOR GUARDRAIL END TREATMENTS TY 1 AND 4A ONLY.
 ⑯ FOR SETTLEMENT PLATFORMS SEE GENERAL NOTES

GENERAL SUMMARY

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59,25 8-59,26	R2W

ITEM	DESCRIPTION	UNIT	KY 80/KY 461	NORTHERN BYPASS/KY 80	RAMP A	INITIAL RAMP B	RAMP B	RAMP C	RAMP D	RAMP E	RAMP G	RAMP H	MARK SHOPIE ROAD	COIN ROAD CONNECTOR	PIN OAK DRIVE CONNECTOR	PIN OAK ROAD/ DRIVE	VALLEY OAK DRIVE	ENTRANCES	PROJECT TOTAL
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23010EN	PAVE MARK TEMP PAINT STOP BAR-24 IN	LF	960										96	72	72		36		1,236
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23607EC	PAVE MARK-THERMO-LANE REDUCTION ARROW	EACH	3																3
24489EC	INLAID PAVEMENT MARKER	EACH	1,630	357	54	69					32	68				18			2,228
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NOTES 18 & 19 CHANGED TO NOTES 17 & 18

GENERAL SUMMARY

GENERAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2dd

445 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS, SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

MATERIAL TRANSFER VEHICLE (MTV)

USE A MATERIAL TRANSFER VEHICLE (MTV) ACCORDING TO SECTION 403.03.05A OF THE STANDARD SPECIFICATIONS. THE MTV WILL BE USED FOR ALL MAINLINE KY 80 AND KY 461 ASPHALT BASE AND SURFACE COURSES.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

PIPE AND FENCE REMOVAL

REMOVAL OF EXISTING PIPES (SHOWN OR NOT) WITHIN THE DISTURB/CONSTRUCTION LIMITS SHALL BE CONSIDERED INCIDENTAL TO CLEARING AND GRUBBING. PIPE DESIGNATED FOR REMOVAL OUTSIDE THE DISTURB/CONSTRUCTION LIMITS WILL BE PAID PER LINEAR FOOT. REMOVAL OF EXISTING HEADWALLS FOR ANY PIPE DESIGNATED FOR REMOVAL WILL BE INCIDENTAL TO CLEARING AND GRUBBING AND / OR PIPE REMOVAL ITEMS. REMOVAL OF EXISTING FENCE WITHIN PROPOSED RIGHT OF WAY (SHOWN OR NOT) WILL BE INCIDENTAL TO CLEARING AND GRUBBING.

TREE CUTTING RESTRICTIONS

THE CONTRACTOR MUST COMPLY WITH TREE CLEARING SCHEDULES APPROVED FOR THIS PROJECT. SEE SPECIAL NOTE FOR TREE REMOVAL. CLEARING WILL BE RESTRICTED AS FOLLOWS: NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST HEIGHT) FROM JUNE 1 - JULY 31.

STREAM RELOCATION

ALL STREAM RELOCATION WORK FOR BOTH BIG SPRING BRANCH AND FLAT LICK CREEK MUST BE THE FIRST CONSTRUCTION ACTIVITY PERFORMED. TEMPORARY STABILIZATION MEASURES MUST BE IN PLACE ALONG THE NEWLY CONSTRUCTED STREAM CHANNELS UNTIL FINAL SEEDING TAKES PLACE. UPON COMPLETION OF THE CONSTRUCTION OF THE NEW STREAM CHANNELS, AND 4 WORKING DAYS BEFORE WATER IS DIVERTED FROM THE OLD CHANNELS TO THE NEW, KYTC MUST BE CONTACTED. CONTACT NATHAN CLICK (502-782-5009) AND ANDREW LOGSDON (502-782-5021). DO NOT DIVERT WATER WITHOUT FIRST SUCCESSFULLY CONTACTING KYTC.

GUARDRAIL

THE CONTRACTOR SHALL DELIVER EXISTING SALVAGED GUARDRAIL SYSTEM MATERIALS TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD. IN FRANKFORT, KY. CONTACT SECTION SUPERVISOR AT (502) 564-8187 TO SCHEDULE DELIVERY OF MATERIAL. DELIVER THE MATERIAL BETWEEN THE HOURS OF 8 AM AND 3 PM, MONDAY-FRIDAY.

CONSTRUCTION ENTRANCES

THE CONTRACTOR SHALL CONSTRUCT TEMPORARY CONSTRUCTION VEHICLE ACCESS ENTRANCES INTENDED TO REDUCE OFF- SITE TRACKING / WASHING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THESE ENTRANCES SHALL BE CONSTRUCTED AT LOCATIONS APPROVED BY THE ENGINEER AND CONSISTING OF A MINIMUM OF 50 FEET IN LENGTH, 20 FEET IN WIDTH, AND 1 FOOT DEPTH OF CRUSHED AGGREGATE NO. 2 AND UNDERLAID WITH GEOTEXTILE FABRIC CLASS 2. QUANTITIES HAVE BEEN INCLUDED FOR SIX TEMPORARY CONSTRUCTION ENTRANCES.

TYPICAL SECTION

DIMENSIONS SHOWN ON THE TYPICAL SECTIONS FOR PAVEMENT WIDTH AND THICKNESS ARE NOMINAL OR TYPICAL DIMENSIONS. THE ACTUAL DIMENSIONS TO BE CONSTRUCTED MAY BE VARIED TO FIT EXISTING CONDITIONS AS DIRECTED OR APPROVED BY THE ENGINEER.

SAW CUT

VARIABLE DEPTH SAW CUTS SHALL BE CONSTRUCTED AT THE LOCATIONS INDICATED IN THE TYPICAL SECTIONS. ALL LABOR, MATERIALS, AND INCIDENTALS TO THIS ITEM OF WORK IS CONSIDERED INCIDENTAL TO ASPHALT MILLING AND TEXTURING. SAW CUTTING IS NOT REQUIRED WHEN LONGITUDINAL EDGE KEYS ARE TO BE CONSTRUCTED.

PROPOSAL ATTACHMENTS

SPECIAL NOTE 1I FOR PORTABLE CHANGEABLE MESSAGE SIGNS
SPECIAL NOTE 1IE SPECIAL NOTE FOR BORING AND JACKING STEEL PIPE WITHOUT CARRIER PIPE
SPECIAL NOTE 1ID ROCK BLASTING
SPECIAL NOTE 1IM BARCODE LABEL ON PERMANENT SIGNS
SPECIAL NOTE 1IN FOR LONGITUDINAL PAVEMENT JOINT ADHESIVE
SPECIAL NOTE FOR INLAID PAVEMENT MARKERS
SPECIAL NOTE FOR GROOVED ALL WEATHER PAVEMENT MARKINGS
SPECIAL NOTE FOR PAVER MOUNTED TEMPERATURE PROFILES
SPECIAL NOTE FOR TREE REMOVAL
SPECIAL NOTE FOR EXPERIMENTAL KYCT AND HAMBURG TESTING
SPECIAL NOTE FOR HMA ELECTRONIC DELIVERY MANAGEMENT SYSTEM
SPECIAL NOTE FOR FOR NON-TRACKING TACK COAT
SPECIAL NOTE FOR FOR LANE SEPARATOR CURB
SPECIAL NOTE FOR CONSTRUCTED RIFFLES
SPECIAL NOTE FOR STREAM RELOCATION
SPECIAL NOTE FOR PVC FOLD AND FORM PIPE LINER
SPECIAL NOTE FOR PIPE LINER ACCEPTANCE TESTING
SPECIAL PROVISION 69 EMBANKMENT AT BRIDGE END BENT STRUCTURES

160 N.G.S. (U.S.G.S.) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

429 WINTER CLOSDOWN

ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE.

444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE CURRENT STANDARD SPECIFICATIONS, CATEGORY 'A' SHALL APPLY ON THIS PROJECT.

447 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

CRUSHED AGGREGATE SIZE NO. 2

THE BID ITEM *00078 CRUSHED AGGREGATE SIZE NO. 2* INCLUDES QUANTITIES FOR PER. PIPE HEADWALLS, CONSTRUCTION ENTRANCES, AND TO PROVIDE A CONTINGENCY QUANTITY TO MEET THE REQUIREMENTS OF GEOTECHNICAL NOTE #10. THIS CONTINGENCY QUANTITY WILL ONLY BE CONSIDERED FOR PAYMENT UPON THE APPROVAL OF THE ENGINEER WHEN LIMESTONE GENERATED FROM ROADWAY EXCAVATION IS NOT AVAILABLE. UPON THE APPROVAL OF THE ENGINEER, KY CRUSHED AGGREGATE SIZE 3 OR 23 MAY BE SUBSTITUTED AT THE CONTRACT UNIT BID PRICE FOR CRUSHED AGGREGATE SIZE NO. 2.

CROSS HATCHING

MEASUREMENT AND PAYMENT OF CROSS HATCHING WILL BE BASED ON THE MEASURED SQUARE FEET OF MARKING AND NOT THE TOTAL MEASURED ISLAND AREA.

GEOTECH

THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS IN SUCH A MANNER THAT LIMESTONE FROM ROADWAY EXCAVATION BE STOCKPILED SEPARATELY OR OTHERWISE MANIPULATED SO THAT THE MAXIMUM QUANTITY IS AVAILABLE FOR THOSE AREAS REQUIRING SAID MATERIAL. WASTING OF LIMESTONE SHALL NOT BE ALLOWED WITHOUT APPROVAL FROM THE ENGINEER. NO DIRECT PAYMENT WILL BE ALLOWED FOR SUCH NECESSARY MANIPULATING AS STOCKPILING, HAULING AND/OR DOUBLE HANDLING THE MATERIAL.

TEMPORARY SHEETING OR SHORING MAY BE REQUIRED WITH PLACEMENT OF LIGHTWEIGHT FILL MATERIALS. THE SPECIFIC DESIGNS FOR ANY NECESSARY SHEETING AND SHORING SHALL BE PERFORMED BY THE CONTRACTOR AND REVIEWED/APPROVED BY THE ENGINEER. CONSTRUCTION AND STABILITY OF TEMPORARY SLOPES REQUIRED FOR LIGHTWEIGHT FILL PLACEMENT ARE THE RESPONSIBILITY OF THE CONTRACTOR. CAUTION SHOULD BE USED WITH SHEETING/SHORING OR TEMPORARY SLOPES ADJACENT TO EXISTING ROADWAYS. MINIMIZE THE TIME TEMPORARY CUT SLOPES ARE EXPOSED TO REDUCE THE LIKELIHOOD OF SLOPE INSTABILITY.

TEMPORARY SHORING, IF REQUIRED FOR PHASED CONSTRUCTION OF ANY DRAINAGE STRUCTURE, SHALL BE CONSIDERED INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC.

DRAINAGE STRUCTURES

ALL EXISTING DRAINAGE STRUCTURES DESIGNATED TO REMAIN IN PLACE SHALL BE INSPECTED FOR BLOCKAGE AND STRUCTURAL INTEGRITY. THESE STRUCTURES SHALL BE CLEANED AND REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. INSPECTION AND CLEANING IS CONSIDERED INCIDENTAL TO OTHER DRAINAGE ITEMS. IF THE ENGINEER DETERMINES THAT ANY REQUIRED REPAIRS ARE NOT INCLUDED WITH CURRENT CONTRACT ITEMS, THEN THIS WORK MAY BE ADDED THROUGH CONTRACT MODIFICATION.

ALL DRAINAGE STRUCTURES THAT ARE TO BE EXTENDED MUST BE CONSTRUCTED IN-KIND AND ON THE SAME SLOPE UNLESS OTHERWISE SPECIFIED.

SETTLEMENT PLATFORM

CONSTRUCT SETTLEMENT PLATFORMS FOR THE PROPOSED KY 461 MAINLINE BRIDGES PER SECTION 216 OF THE STANDARD SPECIFICATIONS.

FOR ADDITIONAL NOTES AND GEOTECHNICAL INFORMATION SEE GEOTECHNICAL REPORT S-072-2019. BY REFERENCE THE GEOTECHNICAL REPORT IS PART OF THE CONTRACT DOCUMENTS.

GENERAL NOTES

GENERAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59.25 8-59.26	R2dd

REVISED 9-21-20

CRUSHED AGGREGATE SIZE NO. 2

THE BID ITEM *00078 CRUSHED AGGREGATE SIZE NO. 2* INCLUDES QUANTITIES FOR PER. PIPE HEADWALLS, CONSTRUCTION ENTRANCES, AND TO PROVIDE A CONTINGENCY QUANTITY TO MEET THE REQUIREMENTS OF GEOTECHNICAL NOTE #10. THIS CONTINGENCY QUANTITY WILL ONLY BE CONSIDERED FOR PAYMENT UPON THE APPROVAL OF THE ENGINEER WHEN LIMESTONE GENERATED FROM ROADWAY EXCAVATION IS NOT AVAILABLE. UPON THE APPROVAL OF THE ENGINEER, KY CRUSHED AGGREGATE SIZE 3 OR 23 MAY BE SUBSTITUTED AT THE CONTRACT UNIT BID PRICE FOR CRUSHED AGGREGATE SIZE NO. 2.

CROSS HATCHING

MEASUREMENT AND PAYMENT OF CROSS HATCHING WILL BE BASED ON THE MEASURED SQUARE FEET OF MARKING AND NOT THE TOTAL MEASURED ISLAND AREA.

ELIMINATED BUILDING REMOVAL NOTE

GEOTECH

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TEMPORARY SHORING, IF REQUIRED FOR PHASED CONSTRUCTION OF ANY DRAINAGE STRUCTURE, SHALL BE CONSIDERED INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC.

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ALL EXISTING DRAINAGE STRUCTURES DESIGNATED TO REMAIN IN PLACE SHALL BE INSPECTED FOR BLOCKAGE AND STRUCTURAL INTEGRITY. THESE STRUCTURES SHALL BE CLEANED AND REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. INSPECTION AND CLEANING IS CONSIDERED INCIDENTAL TO OTHER DRAINAGE ITEMS. IF THE ENGINEER DETERMINES THAT ANY REQUIRED REPAIRS ARE NOT INCLUDED WITH CURRENT CONTRACT ITEMS, THEN THIS WORK MAY BE ADDED THROUGH CONTRACT MODIFICATION.

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FOR ADDITIONAL NOTES AND GEOTECHNICAL INFORMATION SEE GEOTECHNICAL REPORT S-072-2019. BY REFERENCE THE GEOTECHNICAL REPORT IS PART OF THE CONTRACT DOCUMENTS.

EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

MATERIAL TRANSFER VEHICLE (MTV)

USE A MATERIAL TRANSFER VEHICLE (MTV) ACCORDING TO SECTION 403.03.05A OF THE STANDARD SPECIFICATIONS. THE MTV WILL BE USED FOR ALL MAINLINE KY 80 AND KY 461 ASPHALT BASE AND SURFACE COURSES.

STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

PIPE AND FENCE REMOVAL

REMOVAL OF EXISTING PIPES (SHOWN OR NOT) WITHIN THE DISTURB/CONSTRUCTION LIMITS SHALL BE CONSIDERED INCIDENTAL TO CLEARING AND GRUBBING. PIPE DESIGNATED FOR REMOVAL OUTSIDE THE DISTURB/CONSTRUCTION LIMITS WILL BE PAID PER LINEAR FOOT. REMOVAL OF EXISTING HEADWALLS FOR ANY PIPE DESIGNATED FOR REMOVAL WILL BE INCIDENTAL TO CLEARING AND GRUBBING AND / OR PIPE REMOVAL ITEMS. REMOVAL OF EXISTING FENCE WITHIN PROPOSED RIGHT OF WAY (SHOWN OR NOT) WILL BE INCIDENTAL TO CLEARING AND GRUBBING.

TREE CUTTING RESTRICTIONS

THE CONTRACTOR MUST COMPLY WITH TREE CLEARING SCHEDULES APPROVED FOR THIS PROJECT. SEE SPECIAL NOTE FOR TREE REMOVAL. CLEARING WILL BE RESTRICTED AS FOLLOWS: NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST HEIGHT) FROM JUNE 1 - JULY 31.

STREAM RELOCATION

ALL STREAM RELOCATION WORK FOR BOTH BIG SPRING BRANCH AND FLAT LICK CREEK MUST BE THE FIRST CONSTRUCTION ACTIVITY PERFORMED. TEMPORARY STABILIZATION MEASURES MUST BE IN PLACE ALONG THE NEWLY CONSTRUCTED STREAM CHANNELS UNTIL FINAL SEEDING TAKES PLACE. UPON COMPLETION OF THE CONSTRUCTION OF THE NEW STREAM CHANNELS, AND 4 WORKING DAYS BEFORE WATER IS DIVERTED FROM THE OLD CHANNELS TO THE NEW, KYTC MUST BE CONTACTED. CONTACT NATHAN CLICK (502-782-5009) AND ANDREW LOGSDON (502-782-5021). DO NOT DIVERT WATER WITHOUT FIRST SUCCESSFULLY CONTACTING KYTC.

GUARDRAIL

THE CONTRACTOR SHALL DELIVER EXISTING SALVAGED GUARDRAIL SYSTEM MATERIALS TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD. IN FRANKFORT, KY. CONTACT SECTION SUPERVISOR AT (502) 564-8187 TO SCHEDULE DELIVERY OF MATERIAL. DELIVER THE MATERIAL BETWEEN THE HOURS OF 8 AM AND 3 PM, MONDAY-FRIDAY.

CONSTRUCTION ENTRANCES

THE CONTRACTOR SHALL CONSTRUCT TEMPORARY CONSTRUCTION VEHICLE ACCESS ENTRANCES INTENDED TO REDUCE OFF- SITE TRACKING / WASHING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THESE ENTRANCES SHALL BE CONSTRUCTED AT LOCATIONS APPROVED BY THE ENGINEER AND CONSISTING OF A MINIMUM OF 50 FEET IN LENGTH, 20 FEET IN WIDTH, AND 1 FOOT DEPTH OF CRUSHED AGGREGATE NO. 2 AND UNDERLAID WITH GEOTEXTILE FABRIC CLASS 2. QUANTITIES HAVE BEEN INCLUDED FOR SIX TEMPORARY CONSTRUCTION ENTRANCES.

TYPICAL SECTION

DIMENSIONS SHOWN ON THE TYPICAL SECTIONS FOR PAVEMENT WIDTH AND THICKNESS ARE NOMINAL OR TYPICAL DIMENSIONS. THE ACTUAL DIMENSIONS TO BE CONSTRUCTED MAY BE VARIED TO FIT EXISTING CONDITIONS AS DIRECTED OR APPROVED BY THE ENGINEER.

SAW CUT

VARIABLE DEPTH SAW CUTS SHALL BE CONSTRUCTED AT THE LOCATIONS INDICATED IN THE TYPICAL SECTIONS. ALL LABOR, MATERIALS, AND INCIDENTALS TO THIS ITEM OF WORK IS CONSIDERED INCIDENTAL TO ASPHALT MILLING AND TEXTURING. SAW CUTTING IS NOT REQUIRED WHEN LONGITUDINAL EDGE KEYS ARE TO BE CONSTRUCTED.

PROPOSAL ATTACHMENTS

SPECIAL NOTE 1I FOR PORTABLE CHANGEABLE MESSAGE SIGNS
SPECIAL NOTE 1IE SPECIAL NOTE FOR BORING AND JACKING STEEL PIPE WITHOUT CARRIER PIPE
SPECIAL NOTE 1ID ROCK BLASTING
SPECIAL NOTE 1IM BARCODE LABEL ON PERMANENT SIGNS
SPECIAL NOTE 1IN FOR LONGITUDINAL PAVEMENT JOINT ADHESIVE
SPECIAL NOTE FOR INLAID PAVEMENT MARKERS
SPECIAL NOTE FOR GROOVED ALL WEATHER PAVEMENT MARKINGS
SPECIAL NOTE FOR PAVER MOUNTED TEMPERATURE PROFILES
SPECIAL NOTE FOR TREE REMOVAL
SPECIAL NOTE FOR EXPERIMENTAL KYCT AND HAMBURG TESTING
SPECIAL NOTE FOR HMA ELECTRONIC DELIVERY MANAGEMENT SYSTEM
SPECIAL NOTE FOR FOR NON-TRACKING TACK COAT
SPECIAL NOTE FOR FOR LANE SEPARATOR CURB
SPECIAL NOTE FOR CONSTRUCTED RIFFLES
SPECIAL NOTE FOR STREAM RELOCATION
SPECIAL NOTE FOR PVC FOLD AND FORM PIPE LINER
SPECIAL NOTE FOR PIPE LINER ACCEPTANCE TESTING
SPECIAL PROVISION 69 EMBANKMENT AT BRIDGE END BENT STRUCTURES

160 N.G.S. (U.S.G.S.) BENCH MARKS
DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

429 WINTER CLOSDOWN

ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSDOWN PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE.

444 ASPHALT PAVEMENT RIDE QUALITY
PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE CURRENT STANDARD SPECIFICATIONS, CATEGORY 'A' SHALL APPLY ON THIS PROJECT.

447 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (25 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

TRAFFIC CONTROL NOTES – GENERAL PROJECT PHASING

COUNTY OF	ITEM NO.	SHEET NO.
PULASKI	8-59,25 8-59,26	R144

PHASE I NOTES:

TRAFFIC CONTROL

MAINTAIN TRAFFIC ON EX. KY 461 OUTSIDE CONST. ZONE, EX. MARK SHOPVILLE ROAD EAST OF EX. KY 461, EX. PIN OAK DRIVE, EX. COIN ROAD, AND EX. VALLEY OAK DRIVE.

CLOSE EX. MARK SHOPVILLE ROAD WEST OF EX. KY 461.

REDUCE TRAFFIC ON EX. KY 80 TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO THE INSIDE LANES FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

CONSTRUCTION

1 CONSTRUCT CHANNEL CHANGE. THE VEGETATIVE LINING ON THE CHANNEL SLOPES MUST BE STABILIZED BEFORE DIVERTING WATER INTO THE CHANNEL.

1A CONSTRUCT KY 80/KY 461 SOUTHBOUND BRIDGE AND ROADBED FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 132+00 TO STA. 167+50 AND TO SUBGRADE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 171+00. CONSTRUCT TEMPORARY DITCH BETWEEN EXISTING KY 80 AND PROPOSED KY 461 FROM STATION 133+50 TO EMPTY INTO THE RIGHT DITCH OF PROPOSED KY 80 STATION 714+50. CONSTRUCT DRAINAGE SYSTEM TO TEMPORARILY OUTLET RIGHT OF CENTERLINE AT STA. 136+40 IN THE TEMPORARY MEDIAN DITCH.

1B CONSTRUCT KY 80/KY 461 NORTHBOUND BRIDGE AND ROADBED FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 138+50 TO STA. 167+25.

1C CONSTRUCT NORTHERN BYPASS/KY 80 TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 702+04.81 TO STA. 715+50 ON EASTBOUND ROADWAY AND STA. 702+04.81 TO STA. 726+50 ON WESTBOUND ROADWAY. CONSTRUCT PARTIAL LENGTH OF THE CROSS DRAIN AT STA. 719+10. OMIT CONSTRUCTION OF THE MEDIAN DRAIN AT STA. 715+50 AND CONSTRUCT TEMPORARY DITCHING AS SHOWN IN THE MOT PLAN SHEETS AND CROSS SECTIONS TO COLLECT THE RIGHT DITCH AND TO COLLECT THE MEDIAN DRAINAGE AND EMPTY INTO THE PARTIALLY CONSTRUCTED CROSS DRAIN AT STA. 719+10. CONSTRUCT TEMPORARY PIPE AND TEMPORARY DITCH TO MAINTAIN DRAINAGE FOR EXISTING KY 80 PIPE OUTLET AT STA. 720+50 OF PROP. KY 80.

1D USE STANDARD LANE AND SHOULDER CLOSURES TO MILL AND INLAY EXISTING EASTBOUND SHOULDER OF KY 80 APPROXIMATELY 4" IN DEPTH FROM STA. 740+00 TO STA. 752+50 TO ELIMINATE RUMBLE STRIP AND INCREASE SHOULDER STRUCTURE FOR TRAFFIC SHIFT IN NEXT PHASE. MAINTAIN TWO-WAY TRAFFIC OUTSIDE CONSTRUCTION AREA ON EX. KY 80.

1E CONSTRUCT RAMP C FULL WIDTH FROM STA. 40+30 TO STA. 46+31.56 TO SUBGRADE INCLUDING DRAINAGE. CONSTRUCT RAMP D FULL WIDTH FROM STA. 40+00 TO STA. 66+08 TO SUBGRADE INCLUDING DRAINAGE.

1F CONSTRUCT RAMPS G AND H FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE.

2 USE DAILY LANE CLOSURES TO MILL AND INLAY EXISTING NORTHBOUND SHOULDER OF KY 461 APPROXIMATELY 4" IN DEPTH FROM STA. 173+00 TO STA. 354+20.5 AND INCLUDING RAMP A TO STA. 18+00 TO ELIMINATE RUMBLE STRIP AND INCREASE SHOULDER STRUCTURE FOR TRAFFIC SHIFT IN NEXT PHASE. RESTORE TWO-LANE, TWO-WAY TRAFFIC DAILY ON KY 461.

3 CONSTRUCT THE OUTSIDES OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT INCLUDING DRAINAGE WESTBOUND FROM STA. 105+00 TO STA. 132+50 AND EASTBOUND FROM STA. 105+00 TO STA. 127+71.95. USING STANDARD LANE AND SHOULDER CLOSURES.

4 CONSTRUCT TEMPORARY WIDENING ON COIN ROAD FROM STA. 45+00 TO STA. 46+41. CONSTRUCT TEMPORARY WIDENING ON PIN OAK DRIVE FROM STA. 55+20 TO STA. 57+50.

5 CONSTRUCT RAMP E FULL WIDTH FROM STA. 50+00 TO STA. 56+85 TO SUBGRADE INCLUDING DRAINAGE.

6 CONSTRUCT APPR. RT. 180+55 FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE AND BRIDGE FROM STA. 50+50 TO STA. 70+00. CONSTRUCT ALL ENTRANCES WITH HALF-WIDTH CONSTRUCTION THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT APPR. RT. 67+70 (OFF APPR. RT. 180+55) FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 20+00 TO STA. 25+00. INSTALL TEMP BARRIER ON THE SHOULDER OF KY 461 AND EXTEND WORK TO INCLUDE CUT BETWEEN APPR. RT. 180+55 AND MAINLINE KY 461, INCLUDING THE MAINLINE DITCH EXCAVATION ADJACENT KY 461 (STA. 169+00 TO STA. 181+50).

7 REDUCE WIDTH TO 11' EASTBOUND ADJACENT INITIAL RAMP B AND SHIFT TRAFFIC TO THE INSIDE, AND CONSTRUCT OUTSIDE OF INITIAL RAMP B PART WIDTH TO FINAL BASE COURSE FROM STA. 20+00 TO STA. 38+50.

8 CONSTRUCT ROADWAY EXCAVATION CUT BENCHES ALONG NORTHERN BYPASS. RAMP C, RAMP D, AND RAMP G (SEE INITIAL BENCHING LAYOUT DETAIL).

PHASE IA NOTES:

PHASE IA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE I PROVIDED THAT STEPS 1D, 3, AND 7 FROM PHASE I ARE COMPLETE.

TRAFFIC CONTROL

CLOSE THE INSIDE LANES TO TRAFFIC AND SHIFT TRAFFIC TO THE OUTSIDE LANES UTILIZING NEW CONSTRUCTION FROM PHASE I FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

SHIFT KY 80 TRAFFIC TO THE RIGHT UTILIZING THE SHOULDER PAVED IN PHASE I AND REDUCE WIDTHS TO 11' FROM STA. 740+00 TO STA. 755+15.

CONSTRUCTION

9 CONSTRUCT KY 80 WESTBOUND DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA. 731+00 TO STA. 755+15. CONSTRUCT RAMP A FROM STA 10+00 TO STA 11+00. INSTALL CROSS DRAIN STA. 736+15 TO CENTERLINE BY USE OF FLAGGERS, SHIFTING TRAFFIC, AND PART WIDTH CONSTRUCTION UNDER EXISTING WESTBOUND LANES.

10 CONSTRUCT THE INSIDES OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT INCLUDING DRAINAGE FROM EASTBOUND STA. 105+00 TO STA. 132+50 AND FROM WESTBOUND STA. 105+00 TO STA. 127+00.

11 CONSTRUCT INITIAL RAMP B LEFT PART WIDTH TO FINAL BASE COURSE FROM STA. 20+00 TO STA. 38+50.

PHASE IB NOTES:

PHASE IA CONSTRUCTION MUST BE COMPLETED BEFORE BEGINNING CONSTRUCTION ON PHASE IB.

TRAFFIC CONTROL

ALTERNATE TRAFFIC SHIFTS (INSIDE/OUTSIDE) ON KY 80 EASTBOUND AND WESTBOUND FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

SHIFT KY 80 TRAFFIC TO THE LEFT AND MAINTAIN WIDTHS AT 11' FROM STA. 736+50 TO STA. 755+15.

CONSTRUCTION

12 CONSTRUCT KY 80 EASTBOUND DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA. 729+50 TO STA. 755+15. INSTALL CROSS DRAIN STA. 736+15 TO CENTERLINE BY USE OF FLAGGERS, SHIFTING TRAFFIC, AND PART WIDTH CONSTRUCTION UNDER EXISTING EASTBOUND LANES.

13 CONSTRUCT KY 80 ASPHALT BASE OVERLAY FROM STA. 105+00 TO STA. 132+00 WESTBOUND AND TO STATION 131+00 EASTBOUND PART WIDTH, IN STEPS, ALTERNATING INSIDE/OUTSIDE, TO FINAL BASE COURSE.

14 CONSTRUCT INITIAL RAMP B ASPHALT BASE OVERLAY TO FINAL BASE COURSE UNDER TRAFFIC.

PHASE IC NOTES:

PHASE IC CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE IB PROVIDED THAT STEP 12 FROM PHASE IB IS COMPLETE.

TRAFFIC CONTROL

SHIFT KY 80 TRAFFIC TO THE OUTSIDE LANES AND MAINTAIN WIDTHS AT 11' FROM STA 729+00 TO STA. 737+50.

CONSTRUCTION

15 CONSTRUCT THE MEDIAN DIGOUT OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT FROM 729+00 TO 737+50.

PHASE II NOTES:

TRAFFIC CONTROL

MAINTAIN TRAFFIC ON EX. PIN OAK DRIVE, EX. VALLEY OAK DRIVE, AND EX. MARK SHOPVILLE ROAD EAST OF EX. KY 461. MAINTAIN TRAFFIC ON COIN ROAD USING THE TEMPORARY WIDENING CONSTRUCTED IN PHASE I.

MAINTAIN ONE-LANE TRAFFIC ON KY 80 EASTBOUND/INITIAL RAMP B FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

CLOSE EX. KY 80 WESTBOUND FROM KY 80/KY 461 STA. 127+70 TO NORTHERN BYPASS/KY 80 STA. 726+50. MAINTAIN ONE LANE TRAFFIC ALONG EX. KY 80 WESTBOUND FROM NORTHERN BYPASS/KY 80 STA. 726+50 TO STA. 755+15. FOR WESTBOUND KY 80 TRAFFIC, UTILIZE NEWLY CONSTRUCTED NORTHERN BYPASS/KY 80 WESTBOUND FROM STA. 713+25 TO STA. 726+50, NEWLY CONSTRUCTED RAMP H, AND NEWLY CONSTRUCTED KY 80 FROM KY 80/KY 461 STA. 105+00 TO STA. 144+70.

MAINTAIN TRAFFIC ON EX. KY 461 FROM INTERSECTION WITH EX. KY 80 TO STA. 173+00. SHIFT EX. KY 461 TRAFFIC TO THE RIGHT UTILIZING THE SHOULDER PAVED IN PHASE I AND REDUCE LANE WIDTHS TO 10' FROM STA. 173+00 TO STA. 354+20.5.

ALTERNATE TRAFFIC SHIFTS (INSIDE/OUTSIDE) ON KY 80 EASTBOUND AND WESTBOUND FROM KY 80 STA. 729+50 TO STA. 755+15.

CONSTRUCTION

1 CONSTRUCT KY 80 WESTBOUND LANES FROM STA. 127+00 TO STA. 132+00 PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT KY 80 EASTBOUND LANES FROM STA. 127+50 TO STA. 138+50 FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE.

2 CONSTRUCT KY 461 PART WIDTH LEFT OF CENTERLINE TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 354+20.5. CONSTRUCT ALL APPROACHES AND ENTRANCES WITH HALF-WIDTH CONSTRUCTION ALONG THE LEFT SIDE OF CENTERLINE THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT MEDIAN CROSSOVER NECESSARY FOR PHASE III TRAFFIC. CONSTRUCT TEMP. DITCH AND TEMP. PIPE AT BORE AND JACK. CONSTRUCT TEMP. DITCH AND TEMP. PIPE AT STA. 170+25.

3 CONSTRUCT KY 80 ASPHALT BASE OVERLAY EASTBOUND AND WESTBOUND FROM STA. 729+50 TO STA. 755+15 PART WIDTH, IN STEPS, ALTERNATING LEFT SIDE/RIGHT SIDE, TO FINAL BASE COURSE.

4 CONSTRUCT TEMPORARY WIDENING FLUSH TO EX. PAVEMENT ON EX. COIN ROAD FROM STA. 38+80 TO STA. 41+50. CONSTRUCT COIN ROAD PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 41+50 TO STA. 45+64.

5 CONSTRUCT COIN ROAD CONNECTOR FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 44+50 TO STA. 50+00.

6 CONSTRUCT VALLEY OAK DRIVE FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 41+70 TO STA. 49+00.

7 CONSTRUCT APPR. RT. 67+70 (OFF APPR. RT. 180+55) FULL WIDTH TO FINAL BASE COURSE FROM STA. 25+00 TO STA. 27+65.

8 CONSTRUCT NORTHERN BYPASS/KY 80 TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 715+50 TO STA. 726+50 ON EASTBOUND ROADWAY. CONSTRUCT CROSS DRAIN ON INITIAL RAMP B STA. 38+00 (BORE AND JACK) & COMPLETE DITCHING. SAFeload TEMPORARY PIPE AT STATION 720+50.

PHASE IIA NOTES:

PHASE IIA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE II PROVIDED THAT STEP 4 FROM PHASE II IS COMPLETE.

TRAFFIC CONTROL

SHIFT COIN RD. TRAFFIC TO RIGHT UTILIZING NEW CONSTRUCTION AND TEMPORARY WIDENING FROM PHASE II FROM STA. 35+50 TO STA 45+64.

CONSTRUCTION

9 CONSTRUCT COIN RD. PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 35+50 TO STA. 45+64.

10 CONSTRUCT VALLEY OAK RD. FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 49+00 TO STA. 50+00

PHASE IIB NOTES:

PHASE IIB CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE II PROVIDED THAT ALL OF PHASE IIA IS COMPLETE.

TRAFFIC CONTROL

CLOSE EX. VALLEY OAK DRIVE FROM STA. 41+70 TO INTERSECTION WITH EX. KY 461 AND, UTILIZING NEW CONSTRUCTION OF VALLEY OAK DRIVE AND COIN ROAD CONNECTOR, SHIFT TRAFFIC TO FINAL PATTERN.

CONSTRUCTION

11 CONSTRUCT COIN RD. PART WIDTH UNDER TRAFFIC TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 38+80 TO STA. 41+50 AND REMOVE TEMPORARY WIDENING.

12 CONSTRUCT COIN ROAD FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE AND BRIDGE FROM STA. 45+64 TO STA. 50+00 AND INCLUDING END BENT 1 AND PIER 1 FOR THE BRIDGE OVER KY 461.

TRAFFIC CONTROL NOTES – GENERAL PROJECT PHASING

PHASE I NOTES:

TRAFFIC CONTROL
 MAINTAIN TRAFFIC ON EX. KY 461 OUTSIDE CONST. ZONE, EX. MARK SHOPVILLE ROAD EAST OF EX. KY 461, EX. PIN OAK DRIVE, EX. COIN ROAD, AND EX. VALLEY OAK DRIVE.

CLOSE EX. MARK SHOPVILLE ROAD WEST OF EX. KY 461.

REDUCE TRAFFIC ON EX. KY 80 TO ONE LANE IN EACH DIRECTION AND SHIFT TRAFFIC TO THE INSIDE LANES FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

CONSTRUCTION

1 CONSTRUCT CHANNEL CHANGE. THE VEGETATIVE LINING ON THE CHANNEL SLOPES MUST BE STABILIZED BEFORE DIVERTING WATER INTO THE CHANNEL.

1A CONSTRUCT KY 80/KY 461 SOUTHBOUND BRIDGE AND ROADBED FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 132+00 TO STA. 167+50 AND TO SUBGRADE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 171+00. CONSTRUCT TEMPORARY DITCH BETWEEN EXISTING KY 80 AND PROPOSED KY 461 FROM STATION 133+50 TO EMPTY INTO THE RIGHT DITCH OF PROPOSED KY 80 STATION 714+50. CONSTRUCT DRAINAGE SYSTEM TO TEMPORARILY OUTLET RIGHT OF CENTERLINE AT STA. 136+40 IN THE TEMPORARY MEDIAN DITCH.

1B CONSTRUCT KY 80/KY 461 NORTHBOUND BRIDGE AND ROADBED FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 138+50 TO STA. 167+25.

1C CONSTRUCT NORTHERN BYPASS/KY 80 TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 702+04.81 TO STA. 715+50 ON EASTBOUND ROADWAY AND STA. 702+04.81 TO STA. 726+50 ON WESTBOUND ROADWAY. CONSTRUCT PARTIAL LENGTH OF THE CROSS DRAIN AT STA. 719+10. OMIT CONSTRUCTION OF THE MEDIAN DRAIN AT STA. 715+50 AND CONSTRUCT TEMPORARY DITCHING AS SHOWN IN THE MOT PLAN SHEETS AND CROSS SECTIONS TO COLLECT THE RIGHT DITCH AND TO COLLECT THE MEDIAN DRAINAGE AND EMPTY INTO THE PARTIALLY CONSTRUCTED CROSS DRAIN AT STA. 719+10. CONSTRUCT TEMPORARY PIPE AND TEMPORARY DITCH TO MAINTAIN DRAINAGE FOR EXISTING KY 80 PIPE OUTLET AT STA. 720+50 OF PROP. KY 80.

1D USE STANDARD LANE AND SHOULDER CLOSURES TO MILL AND INLAY EXISTING EASTBOUND SHOULDER OF KY 80 APPROXIMATELY 4" IN DEPTH FROM STA. 740+00 TO STA. 752+50 TO ELIMINATE RUMBLE STRIP AND INCREASE SHOULDER STRUCTURE FOR TRAFFIC SHIFT IN NEXT PHASE. MAINTAIN TWO-WAY TRAFFIC OUTSIDE CONSTRUCTION AREA ON EX. KY 80.

1E CONSTRUCT RAMP C FULL WIDTH FROM STA. 40+30 TO STA. 46+31.56 TO SUBGRADE INCLUDING DRAINAGE. CONSTRUCT RAMP D FULL WIDTH FROM STA. 40+00 TO STA. 66+08 TO SUBGRADE INCLUDING DRAINAGE.

1F CONSTRUCT RAMP G AND H FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE.

2 USE DAILY LANE CLOSURES TO MILL AND INLAY EXISTING NORTHBOUND SHOULDER OF KY 461 APPROXIMATELY 4" IN DEPTH FROM STA. 173+00 TO STA. 354+20.5 AND INCLUDING RAMP A TO STA. 18+00 TO ELIMINATE RUMBLE STRIP AND INCREASE SHOULDER STRUCTURE FOR TRAFFIC SHIFT IN NEXT PHASE. RESTORE TWO-LANE, TWO-WAY TRAFFIC DAILY ON KY 461.

3 CONSTRUCT THE OUTSIDES OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT INCLUDING DRAINAGE WESTBOUND FROM STA. 105+00 TO STA. 132+50 AND EASTBOUND FROM STA. 105+00 TO STA. 127+71.95. USING STANDARD LANE AND SHOULDER CLOSURES.

4 CONSTRUCT TEMPORARY WIDENING ON COIN ROAD FROM STA. 45+00 TO STA. 46+41. CONSTRUCT TEMPORARY WIDENING ON PIN OAK DRIVE FROM STA. 55+20 TO STA. 57+50.

5 CONSTRUCT RAMP E FULL WIDTH FROM STA. 50+00 TO STA. 56+85 TO SUBGRADE INCLUDING DRAINAGE.

6 CONSTRUCT APPR. RT. 180+55 FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE AND BRIDGE FROM STA. 50+50 TO STA. 70+00. CONSTRUCT ALL ENTRANCES WITH HALF-WIDTH CONSTRUCTION THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT APPR. RT. 67+70 (OFF APPR. RT. 180+55) FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 20+00 TO STA. 25+00. INSTALL TEMP BARRIER ON THE SHOULDER OF KY 461 AND EXTEND WORK TO INCLUDE CUT BETWEEN APPR. RT. 180+55 AND MAINLINE KY 461, INCLUDING THE MAINLINE DITCH EXCAVATION ADJACENT KY 461 (STA. 169+00 TO STA. 181+50).

7 REDUCE WIDTH TO 11' EASTBOUND ADJACENT INITIAL RAMP B AND SHIFT TRAFFIC TO THE INSIDE, AND CONSTRUCT OUTSIDE OF INITIAL RAMP B PART WIDTH TO FINAL BASE COURSE FROM STA. 20+00 TO STA. 38+50.

8 CONSTRUCT ROADWAY EXCAVATION CUT BENCHES ALONG NORTHERN BYPASS. RAMP C, RAMP D, AND RAMP G (SEE INITIAL BENCHING LAYOUT DETAIL).

PHASE IA NOTES:

PHASE IA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE I PROVIDED THAT STEPS 1D, 3, AND 7 FROM PHASE I ARE COMPLETE.

TRAFFIC CONTROL

CLOSE THE INSIDE LANES TO TRAFFIC AND SHIFT TRAFFIC TO THE OUTSIDE LANES UTILIZING NEW CONSTRUCTION FROM PHASE I FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

SHIFT KY 80 TRAFFIC TO THE RIGHT UTILIZING THE SHOULDER PAVED IN PHASE I AND REDUCE WIDTHS TO 11' FROM STA. 740+00 TO STA. 755+15.

CONSTRUCTION

9 CONSTRUCT KY 80 WESTBOUND DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA. 731+00 TO STA. 755+15. CONSTRUCT RAMP A FROM STA 10+00 TO STA 11+00. INSTALL CROSS DRAIN STA. 736+15 TO CENTERLINE BY USE OF FLAGGERS, SHIFTING TRAFFIC, AND PART WIDTH CONSTRUCTION UNDER EXISTING WESTBOUND LANES.

10 CONSTRUCT THE INSIDES OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT INCLUDING DRAINAGE FROM EASTBOUND STA. 105+00 TO STA. 132+50 AND FROM WESTBOUND STA. 105+00 TO STA. 127+00.

11 CONSTRUCT INITIAL RAMP B LEFT PART WIDTH TO FINAL BASE COURSE FROM STA. 20+00 TO STA. 38+50.

PHASE IB NOTES:

PHASE IA CONSTRUCTION MUST BE COMPLETED BEFORE BEGINNING CONSTRUCTION ON PHASE IB.

TRAFFIC CONTROL

ALTERNATE TRAFFIC SHIFTS (INSIDE/OUTSIDE) ON KY 80 EASTBOUND AND WESTBOUND FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

SHIFT KY 80 TRAFFIC TO THE LEFT AND MAINTAIN WIDTHS AT 11' FROM STA. 736+50 TO STA. 755+15.

CONSTRUCTION

12 CONSTRUCT KY 80 EASTBOUND DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA. 729+50 TO STA. 755+15. INSTALL CROSS DRAIN STA. 736+15 TO CENTERLINE BY USE OF FLAGGERS, SHIFTING TRAFFIC, AND PART WIDTH CONSTRUCTION UNDER EXISTING EASTBOUND LANES.

13 CONSTRUCT KY 80 ASPHALT BASE OVERLAY FROM STA. 105+00 TO STA. 132+00 WESTBOUND AND TO STATION 131+00 EASTBOUND PART WIDTH, IN STEPS, ALTERNATING INSIDE/OUTSIDE, TO FINAL BASE COURSE.

14 CONSTRUCT INITIAL RAMP B ASPHALT BASE OVERLAY TO FINAL BASE COURSE UNDER TRAFFIC.

PHASE IC NOTES:

PHASE IC CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE IB PROVIDED THAT STEP 12 FROM PHASE IB IS COMPLETE.

TRAFFIC CONTROL

SHIFT KY 80 TRAFFIC TO THE OUTSIDE LANES AND MAINTAIN WIDTHS AT 11' FROM STA 729+00 TO STA. 737+50.

CONSTRUCTION

15 CONSTRUCT THE MEDIAN DIGOUT OF KY 80 EASTBOUND AND WESTBOUND PART WIDTH FLUSH TO EXISTING PAVEMENT FROM 729+00 TO 737+50.

PHASE II NOTES:

TRAFFIC CONTROL

MAINTAIN TRAFFIC ON EX. PIN OAK DRIVE, EX. VALLEY OAK DRIVE, AND EX. MARK SHOPVILLE ROAD EAST OF EX. KY 461. MAINTAIN TRAFFIC ON COIN ROAD USING THE TEMPORARY WIDENING CONSTRUCTED IN PHASE I.

MAINTAIN ONE-LANE TRAFFIC ON KY 80 EASTBOUND/INITIAL RAMP B FROM KY 80/KY 461 STA. 105+00 TO NORTHERN BYPASS/KY 80 STA. 726+50.

CLOSE EX. KY 80 WESTBOUND FROM KY 80/KY 461 STA. 127+70 TO NORTHERN BYPASS/KY 80 STA. 726+50. MAINTAIN ONE LANE TRAFFIC ALONG EX. KY 80 WESTBOUND FROM NORTHERN BYPASS/KY 80 STA. 726+50 TO STA. 755+15. FOR WESTBOUND KY 80 TRAFFIC, UTILIZE NEWLY CONSTRUCTED NORTHERN BYPASS/KY 80 WESTBOUND FROM STA. 713+25 TO STA. 726+50, NEWLY CONSTRUCTED RAMP H, AND NEWLY CONSTRUCTED KY 80 FROM KY 80/KY 461 STA. 105+00 TO STA. 144+70.

MAINTAIN TRAFFIC ON EX. KY 461 FROM INTERSECTION WITH EX. KY 80 TO STA. 173+00. SHIFT EX. KY 461 TRAFFIC TO THE RIGHT UTILIZING THE SHOULDER PAVED IN PHASE I AND REDUCE LANE WIDTHS TO 10' FROM STA. 173+00 TO STA. 354+20.5.

ALTERNATE TRAFFIC SHIFTS (INSIDE/OUTSIDE) ON KY 80 EASTBOUND AND WESTBOUND FROM KY 80 STA. 729+50 TO STA. 755+15.

CONSTRUCTION

1 CONSTRUCT KY 80 WESTBOUND LANES FROM STA. 127+00 TO STA. 132+00 PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT KY 80 EASTBOUND LANES FROM STA. 127+50 TO STA. 138+50 FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE.

2 CONSTRUCT KY 461 PART WIDTH LEFT OF CENTERLINE TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 354+20.5. CONSTRUCT ALL APPROACHES AND ENTRANCES WITH HALF-WIDTH CONSTRUCTION ALONG THE LEFT SIDE OF CENTERLINE THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE. CONSTRUCT MEDIAN CROSSOVER NECESSARY FOR PHASE III TRAFFIC. CONSTRUCT TEMP. DITCH AND TEMP. PIPE AT BORE AND JACK. CONSTRUCT TEMP. DITCH AND TEMP. PIPE AT STA. 170+25.

3 CONSTRUCT KY 80 ASPHALT BASE OVERLAY EASTBOUND AND WESTBOUND FROM STA. 729+50 TO STA. 755+15 PART WIDTH, IN STEPS, ALTERNATING LEFT SIDE/RIGHT SIDE, TO FINAL BASE COURSE.

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4 CONSTRUCT TEMPORARY WIDENING FLUSH TO EX. PAVEMENT ON EX. COIN ROAD FROM STA. 38+80 TO STA. 41+50. CONSTRUCT COIN ROAD PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 41+50 TO STA. 45+64.

5 CONSTRUCT COIN ROAD CONNECTOR FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 44+50 TO STA. 50+00.

6 CONSTRUCT VALLEY OAK DRIVE FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 41+70 TO STA. 49+00.

7 CONSTRUCT APPR. RT. 67+70 (OFF APPR. RT. 180+55) FULL WIDTH TO FINAL BASE COURSE FROM STA. 25+00 TO STA. 27+65.

8 CONSTRUCT NORTHERN BYPASS/KY 80 TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 715+50 TO STA. 726+50 ON EASTBOUND ROADWAY. CONSTRUCT CROSS DRAIN ON INITIAL RAMP B STA. 38+00 (BORE AND JACK) & COMPLETE DITCHING. SAFeload TEMPORARY PIPE AT STATION 720+50.

PHASE IIA NOTES:

PHASE IIA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE II PROVIDED THAT STEP 4 FROM PHASE II IS COMPLETE.

TRAFFIC CONTROL

SHIFT COIN RD. TRAFFIC TO RIGHT UTILIZING NEW CONSTRUCTION AND TEMPORARY WIDENING FROM PHASE II FROM STA. 35+50 TO STA 45+64.

CONSTRUCTION

9 CONSTRUCT COIN RD. PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 35+50 TO STA. 45+64.

10 CONSTRUCT VALLEY OAK RD. FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 49+00 TO STA. 50+00

PHASE IIB NOTES:

PHASE IIB CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE II PROVIDED THAT ALL OF PHASE IIA IS COMPLETE.

TRAFFIC CONTROL

CLOSE EX. VALLEY OAK DRIVE FROM STA. 41+70 TO INTERSECTION WITH EX. KY 461 AND, UTILIZING NEW CONSTRUCTION OF VALLEY OAK DRIVE AND COIN ROAD CONNECTOR, SHIFT TRAFFIC TO FINAL PATTERN.

CONSTRUCTION

11 CONSTRUCT COIN RD. PART WIDTH UNDER TRAFFIC TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 38+80 TO STA. 41+50 AND REMOVE TEMPORARY WIDENING.

12 CONSTRUCT COIN ROAD FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE AND BRIDGE FROM STA. 45+64 TO STA. 50+00 AND INCLUDING END BENT 1 AND PIER 1 FOR THE BRIDGE OVER KY 461.

TRAFFIC CONTROL NOTES – GENERAL PROJECT PHASING

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PHASE III NOTES:

TRAFFIC CONTROL

MAINTAIN ONE LANE TRAFFIC ON KY 80 EASTBOUND/INITIAL RAMP B.

SHIFT ONE LANE TRAFFIC FOR EASTBOUND KY 80 TO NORTHBOUND KY 461 TO NEW CONSTRUCTION FROM PHASE II.

CLOSE SOUTHBOUND TRAFFIC ON EX. KY 461 FROM STA. 173+00 TO INTERSECTION WITH EX. KY 80. SHIFT ONE LANE NORTHBOUND KY 461 LEFT FROM THE INTERSECTION WITH EX. KY 80 TO RAMP A STA. 19+00 AND SHIFT ONE LANE TRAFFIC RIGHT FROM RAMP A STA. 19+00 AHEAD.

MAINTAIN TRAFFIC ON KY 80 WESTBOUND AS DESCRIBED IN PHASE II.

SHIFT TRAFFIC ON KY 461 FROM STA. 173+00 TO STA. 354+20.5 TO THE LEFT ONTO NEW CONSTRUCTION FROM PHASE II.

SHIFT TRAFFIC FOR KY 461 SOUTHBOUND TO KY 80 EASTBOUND TO THE FINAL PATTERN UTILIZING NEW CONSTRUCTION OF KY 80/KY 461 STA. 130+44.18 TO 167+80, RAMP G, AND NORTHERN BYPASS/KY 80 FROM STA. 702+04.81 TO STA. 726+50.

MAINTAIN TWO WAY TRAFFIC ON NEW COIN ROAD CONSTRUCTION FROM STA. 35+50 TO STA. 45+64. MAINTAIN TWO WAY TRAFFIC ON NEW VALLEY OAK DRIVE AND COIN ROAD CONNECTOR CONSTRUCTION.

REDUCE LANE WIDTHS TO 10' AND SHIFT TRAFFIC LEFT ON PIN OAK DR. FROM STA. 54+50 TO STA. 62+00.

CONSTRUCTION

1 CONSTRUCT KY 461 RIGHT OF CENTERLINE PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 354+20.5. CONSTRUCT ALL APPROACHES AND ENTRANCES WITH HALF-WIDTH CONSTRUCTION ALONG THE RIGHT SIDE OF CENTERLINE THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE.

2 CONSTRUCT RT. SIDE PIN OAK ROAD PART WIDTH TO FINAL BASE COURSE FROM STA. 54+50 TO STA. 56+00.

3 CONSTRUCT PIN OAK DRIVE FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE FROM STA. 50+00 TO STA. 53+00. CONSTRUCT END BENT 2 AND PIER 3 FOR THE BRIDGE OVER KY 461.

4 CONSTRUCT RAMP A FULL WIDTH TO FINAL BASE COURSE FROM STA. 21+00 TO STA. 27+00. CONSTRUCT DIVERSION 1. CONSTRUCT ASPHALT BASE OVERLAY OF RAMP A FROM STA. 26+00 TO STA. 29+34 UNDER TRAFFIC ALTERNATING TRAFFIC FROM LEFT TO RIGHT SIDES OF RAMP.

5 CONSTRUCT PIN OAK DRIVE CONNECTOR FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 50+00 TO STA. 58+00. CONSTRUCT TEMPORARY PAVEMENT WIDENING IN RADIUS BETWEEN PIN OAK DRIVE AND PIN OAK DRIVE CONNECTOR.

PHASE IIIA NOTES:

PHASE IIIA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF OF PHASE III PROVIDED THAT STEPS 4 AND 5 FROM PHASE III ARE COMPLETE.

TRAFFIC CONTROL

SHIFT TRAFFIC PARTIALLY ONTO WESTBOUND KY 461 SHOULDER IN LOCAL VICINITY OF THE COIN ROAD BRIDGE PIER CONSTRUCTION. PLACE TEMPORARY CONCRETE MEDIAN BARRIER AT THE PROPOSED LOCATION OF PIER 2 OF THE COIN ROAD BRIDGE OVER KY 461. PROVIDE ADEQUATE HORIZONTAL CLEARANCE BETWEEN THE WALL AND PIER CONSTRUCTION.

CLOSE EX. PIN OAK DR. FROM KY 461 TO PROP. PIN OAK DR. STA. 53+00. MAINTAIN TWO WAY TRAFFIC ON PIN OAK DRIVE CONNECTOR.

PHASE IIIA NOTES:

SHIFT TRAFFIC RIGHT ON PIN OAK DR. ON NEW CONSTRUCTION FROM PHASE III FROM STA. 54+50 TO STA. 62+00.

SHIFT RAMP A TRAFFIC ONTO NEW CONSTRUCTION OF RAMP A AND DIVERSION NO. 1.

CONSTRUCTION

6 CONSTRUCT LEFT SIDE OF PIN OAK ROAD PART WIDTH TO FINAL BASE COURSE FROM STA. 54+50 TO STA. 56+00 AND REMOVE TEMPORARY WIDENING.

7 CONSTRUCT RAMP A FULL WIDTH TO FINAL BASE COURSE FROM STA. 11+00 TO STA. 21+00. INSTALL TEMPORARY PIPE UNDER RAMP A STA. 14+00. COMPLETE CONSTRUCTION OF RIGHT SIDE RAMP A STA. 21+00 TO STA. 29+34.

8 CONSTRUCT PIN OAK ROAD FULL WIDTH TO FINAL BASE COURSE FROM STA. 50+00 TO STA. 54+50, INCLUDING PIER 2, PERMANENT MEDIAN BARRIER AND CRASH CUSHION PROTECTION OF PIER 2 (NORTH OF PIER), AND PLACEMENT OF BEAMS AND DECKING FOR SPANS 3 & 4 OF THE COIN ROAD BRIDGE OVER KY 461.

PHASE IIIB NOTES:

TRAFFIC CONTROL

RELOCATE TEMPORARY CONCRETE MEDIAN BARRIER TO THE RIGHT SIDE OF PIER 2 OF THE COIN ROAD BRIDGE OVER KY 461. SHIFT BOTH LANES OF TRAVEL TO THE NEW CONSTRUCTION ON THE RIGHT SIDE OF KY 461 IN THE VICINITY OF THE BRIDGE CONSTRUCTION.

9 PLACE BEAMS AND DECKING FOR SPANS 1 & 2 OF THE COIN ROAD BRIDGE OVER KY 461. COMPLETE COIN ROAD BRIDGE DECK PLACEMENT AND DECK BARRIER WALL PLACEMENT.

10 REMOVE THE LANE SHIFT AND RESTORE BOTH LANES OF TRAFFIC BACK TO THE LEFT OF CENTERLINE AND LEFT OF THE NEWLY CONSTRUCTED BRIDGE MEDIAN PIER AT THE COIN ROAD INTERSECTION.

PHASE IVA NOTES:

MAINTAIN TRAFFIC ON KY 461 FROM STA. 173+00 TO STA. 354+20.5 TO THE LEFT AS IN PHASE III.

CLOSE KY 461 AT THE INTERSECTION WITH EXISTING KY 80 AND INTRODUCE WESTBOUND TURNS FROM KY 80 TO NORTHBOUND KY 461 BY RAMP A.

1 SHIFT KY 80 TRAFFIC TO THE INSIDE LANE WESTBOUND AND TO THE OUTSIDE LANE EASTBOUND AND REDUCE WIDTHS TO 11'. CONSTRUCT KY 80 WESTBOUND OUTSIDE LANE AND EASTBOUND INSIDE LANE DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA 726+50 TO STA. 729+50.

2 PLACE TEMPORARY CONCRETE BARRIER ON THE LEFT SIDE OF THE NEW COIN ROAD BRIDGE MEDIAN PIER AND EXTEND APPROXIMATELY 100' PAST THE END OF THE PROPOSED PERMANENT MEDIAN BARRIER. ALLOW RIGHT TURNS NORTHBOUND TO EXIT KY 461 AT PIN OAK DRIVE PRIOR TO THE BEGINNING OF THE TEMPORARY MEDIAN BARRIER. MERGE TRAFFIC FROM PIN OAK DRIVE INTO MAINLINE KY 461 NORTH OF THE TEMPORARY MEDIAN BARRIER. CONSTRUCT PERMANENT MEDIAN BARRIER AND PERMANENT CRASH CUSHIONS AT THE COIN ROAD BRIDGE MEDIAN PIER.

3 CONSTRUCT RAMP E FULL WIDTH INCLUDING DRAINAGE FROM STA. 56+85 TO STA. 61+98.01.

4 COMPLETE DITCHING AND REMOVE EXISTING KY 461 ADJACENT TO RAMP A. SAFELOAD THE TEMPORARY PIPE UNDER RAMP A.

PHASE IVB NOTES:

1 SHIFT KY 80 TRAFFIC TO THE OUTSIDE LANE WESTBOUND AND REDUCE WIDTH TO 11'. CONSTRUCT KY 80 WESTBOUND INSIDE LANE AND EASTBOUND INSIDE LANE DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA 726+50 TO STA. 729+50.

2 REMOVE TEMPORARY BARRIER WALL AND TEMPORARY CRASH CUSHIONS AT THE COIN ROAD BRIDGE MEDIAN PIER.

3 AFTER COMPLETION OF ITEM 1 ABOVE, CONSTRUCT REMAINING ASPHALT BASE OVERLAY ON KY 80 STATION 726+50 TO STATION 729+50 BY USE OF ALTERNATING LANE CLOSURES AND CONSTRUCTION UNDER TRAFFIC.

4 REMOVE ALL REMAINING TEMPORARY PAVEMENT.

PHASE V NOTES:

- 1 COMPLETE FINAL SURFACING, PAVEMENT MARKINGS, PERMANENT SIGNS, AND PROJECT CLEAN UP UNDER TRAFFIC.
- 2 PLACE TRAFFIC IN FINAL PATTERN ON ALL ROADS.

ROAD CLOSURE RESTRICTIONS

ROAD CLOSURES WILL NOT BE ALLOWED ON THE FOLLOWING DAYS:

JULY 4TH - JULY 5TH, 2020
SEPT 5TH - SEPT 7TH, 2020
NOV 26TH - NOV 29TH, 2020
DEC 25TH - DEC 27TH, 2020
JAN 15T -JAN 3RD, 2020
MAY 29TH - MAY 31, 2021
JULY 3RD - JULY 4TH, 2021
SEPT 4TH - SEPT 6, 2021
NOV 25TH - NOV 28TH, 2021
DEC 24TH - DEC 26TH, 2021
JAN 15T - JAN 2ND, 2022
MAY 28TH - MAY 30TH, 2022
SEP 3RD - SEP 5TH, 2022
NOV 24TH - NOV 27TH, 2022
DEC 24TH -DEC 25TH, 2022
DEC 31, 2022 - JAN 1, 2023
MAY 27TH - MAY 29TH, 2023
JULY 4TH, 2023
SEPT 2ND - SEPT 4TH, 2023
NOV 23RD - NOV 26TH, 2023
DEC 23RD - DEC 25TH, 2023
DEC 30, 2023 - JAN 1, 2024
MAY 25TH - MAY 27TH, 2024
JULY 4TH, 2024
AUG 31ST - SEP 2, 2024
NOV 28TH - DEC 1, 2024

PIN OAK DRIVE LEFT TURN LANE

A LEFT TURN LANE INTO PIN OAK DRIVE MUST REMAIN IN PLACE AND OPEN AT ALL TIMES, EXCEPT DURING CERTAIN PHASES AND ACTIVITIES AS DESCRIBED HEREIN. DURING PHASES THAT LEFT TURN LANES ARE REQUIRED, EITHER MAINTAIN THE EXISTING LEFT TURN LANE OR INSTALL THE TURN LANE CONFIGURATION (FOR THE PARTICULAR PHASE) AT THE BEGINNING OF EACH PHASE AND ENSURE FUNCTIONALITY OF THE LEFT TURN LANE INTO PIN OAK DRIVE AT ALL TIMES.

DURING PHASES DESIGNATED AS REQUIRING A LEFT TURN LANE INTO PIN OAK DRIVE, A LEFT TURN LANE WILL NOT BE REQUIRED ONLY DURING ACTIVITIES REQUIRING FLAGGERS IN THE VICINITY OF PIN OAK DRIVE. THESE ACTIVITIES INCLUDE THE PHASE I SHOULDER STRENGTHENING (MILL AND INLAY), ANY MAINTENANCE ACTIVITY, AND STRIPING RECONFIGURATION ACTIVITIES REQUIRED TO PREPARE FOR M.O.T. PHASE CHANGES. THE CONTRACTOR WILL USE TRAFFIC DRUMS AND FLAGGERS TO COMPLETE THESE ACTIVITIES AS SOON AS PRACTICAL AND RESTORE TWO WAY TRAFFIC AND THE LEFT TURN LANE INTO PIN OAK DRIVE.

THE FOLLOWING PHASES REQUIRE A LEFT TURN LANE INTO PIN OAK DRIVE AT ALL TIMES, EXCEPT AS NOTED ABOVE:

- PHASE I
- PHASE IA
- PHASE IB
- PHASE IC
- PHASE II
- PHASE IIA
- PHASE IIB
- PHASE III
- PHASE IVB
- PHASE V

A LEFT TURN LANE INTO PIN OAK DRIVE WILL NOT BE REQUIRED FOR ACTIVITIES DESCRIBED IN CERTAIN PHASES. THESE ACTIVITIES AND PHASES MUST BE COMPLETED CONSECUTIVELY, AS SOON AS PRACTICAL, AND WITHIN 90 CALENDAR DAYS OF THE INITIATION OF THE FIRST OF THESE PHASES. A LEFT TURN LANE INTO PIN OAK DRIVE WILL NOT BE REQUIRED FOR THE FOLLOWING PHASES:

- PHASE IIIA
- PHASE IIIB
- PHASE IVA

A PENALTY OF \$1,000 PER DAY WILL BE ASSESSED FOR ANY DAY OR PORTION OF A DAY THAT A LEFT TURN LANE INTO PIN OAK DRIVE IS NOT IN PLACE AND OPEN DURING ACTIVITIES OR PHASES THAT A LEFT TURN LANE IS REQUIRED AS DESCRIBED ABOVE. A PENALTY OF \$1,000 PER DAY WILL ALSO BE ASSESSED FOR EACH DAY OR PORTION OF A DAY THAT ALL ACTIVITIES DESCRIBED IN PHASE IIIA, PHASE IIB, AND PHASE IVA ARE NOT COMPLETED AND THE LEFT TURN LANE INTO PIN OAK DRIVE RESTORED, AFTER 90 CALENDAR DAYS FROM THE INITIATION OF PHASE IIIA. THESE PENALTIES WILL BE ASSESSED REGARDLESS OF SEASONAL OR WEATHER LIMITATIONS, AND WILL BE CHARGED CONCURRENTLY AND IN ADDITION TO ANY OTHER LIQUIDATED DAMAGES OR OTHER APPLICABLE PENALTIES.

TRAFFIC CONTROL NOTES – GENERAL PROJECT PHASING

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PHASE III NOTES:

TRAFFIC CONTROL
 MAINTAIN ONE LANE TRAFFIC ON KY 80 EASTBOUND/INITIAL RAMP B.
 SHIFT ONE LANE TRAFFIC FOR EASTBOUND KY 80 TO NORTHBOUND KY 461 TO NEW CONSTRUCTION FROM PHASE II.
 CLOSE SOUTHBOUND TRAFFIC ON EX. KY 461 FROM STA. 173+00 TO INTERSECTION WITH EX. KY 80. SHIFT ONE LANE NORTHBOUND KY 461 LEFT FROM THE INTERSECTION WITH EX. KY 80 TO RAMP A STA. 19+00 AND SHIFT ONE LANE TRAFFIC RIGHT FROM RAMP A STA. 19+00 AHEAD.
 MAINTAIN TRAFFIC ON KY 80 WESTBOUND AS DESCRIBED IN PHASE II.
 SHIFT TRAFFIC ON KY 461 FROM STA. 173+00 TO STA. 354+20.5 TO THE LEFT ONTO NEW CONSTRUCTION FROM PHASE II.
 SHIFT TRAFFIC FOR KY 461 SOUTHBOUND TO KY 80 EASTBOUND TO THE FINAL PATTERN UTILIZING NEW CONSTRUCTION OF KY 80/KY 461 STA. 130+44.18 TO 167+80, RAMP G, AND NORTHERN BYPASS/KY 80 FROM STA. 702+04.81 TO STA. 726+50.
 MAINTAIN TWO WAY TRAFFIC ON NEW COIN ROAD CONSTRUCTION FROM STA. 35+50 TO STA. 45+64. MAINTAIN TWO WAY TRAFFIC ON NEW VALLEY OAK DRIVE AND COIN ROAD CONNECTOR CONSTRUCTION.
 REDUCE LANE WIDTHS TO 10' AND SHIFT TRAFFIC LEFT ON PIN OAK DR. FROM STA. 54+50 TO STA. 62+00.

CONSTRUCTION

1 CONSTRUCT KY 461 RIGHT OF CENTERLINE PART WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 167+50 TO STA. 354+20.5. CONSTRUCT ALL APPROACHES AND ENTRANCES WITH HALF-WIDTH CONSTRUCTION ALONG THE RIGHT SIDE OF CENTERLINE THROUGH THE FINAL BASE COURSE INCLUDING DRAINAGE.
 2 CONSTRUCT RT. SIDE PIN OAK ROAD PART WIDTH TO FINAL BASE COURSE FROM STA. 54+50 TO STA. 56+00.
 3 CONSTRUCT PIN OAK DRIVE FULL WIDTH CONSTRUCTION TO FINAL BASE COURSE FROM STA. 50+00 TO STA. 53+00. CONSTRUCT END BENT 2 AND PIER 3 FOR THE BRIDGE OVER KY 461.
 4 CONSTRUCT RAMP A FULL WIDTH TO FINAL BASE COURSE FROM STA. 21+00 TO STA. 27+00. CONSTRUCT DIVERSION 1. CONSTRUCT ASPHALT BASE OVERLAY OF RAMP A FROM STA. 26+00 TO STA. 29+34 UNDER TRAFFIC ALTERNATING TRAFFIC FROM LEFT TO RIGHT SIDES OF RAMP.
 5 CONSTRUCT PIN OAK DRIVE CONNECTOR FULL WIDTH TO FINAL BASE COURSE INCLUDING DRAINAGE FROM STA. 50+00 TO STA. 58+00. CONSTRUCT TEMPORARY PAVEMENT WIDENING IN RADIUS BETWEEN PIN OAK DRIVE AND PIN OAK DRIVE CONNECTOR.

PHASE IIIA NOTES:

PHASE IIIA CONSTRUCTION MAY BEGIN PRIOR TO THE COMPLETION OF PHASE III PROVIDED THAT STEPS 4 AND 5 FROM PHASE III ARE COMPLETE.

TRAFFIC CONTROL

SHIFT TRAFFIC PARTIALLY ONTO WESTBOUND KY 461 SHOULDER IN LOCAL VICINITY OF THE COIN ROAD BRIDGE PIER CONSTRUCTION. PLACE TEMPORARY CONCRETE MEDIAN BARRIER AT THE PROPOSED LOCATION OF PIER 2 OF THE COIN ROAD BRIDGE OVER KY 461. PROVIDE ADEQUATE HORIZONTAL CLEARANCE BETWEEN THE WALL AND PIER CONSTRUCTION.
 CLOSE EX. PIN OAK DR. FROM KY 461 TO PROP. PIN OAK DR. STA. 53+00. MAINTAIN TWO WAY TRAFFIC ON PIN OAK DRIVE CONNECTOR.

PHASE IVB NOTES:

1 SHIFT KY 80 TRAFFIC TO THE OUTSIDE LANE WESTBOUND AND REDUCE WIDTH TO 11'. CONSTRUCT KY 80 WESTBOUND INSIDE LANE AND EASTBOUND INSIDE LANE DIGOUT PART WIDTH FLUSH TO EXISTING PAVEMENT FROM STA 726+50 TO STA. 729+50.
 2 REMOVE TEMPORARY BARRIER WALL AND TEMPORARY CRASH CUSHIONS AT THE COIN ROAD BRIDGE MEDIAN PIER.
 3 AFTER COMPLETION OF ITEM 1 ABOVE, CONSTRUCT REMAINING ASPHALT BASE OVERLAY ON KY 80 STATION 726+50 TO STATION 729+50 BY USE OF ALTERNATING LANE CLOSURES AND CONSTRUCTION UNDER TRAFFIC.
 4 REMOVE ALL REMAINING TEMPORARY PAVEMENT.

PHASE V NOTES:

1 COMPLETE FINAL SURFACING, PAVEMENT MARKINGS, PERMANENT SIGNS, AND PROJECT CLEAN UP UNDER TRAFFIC.
 2 PLACE TRAFFIC IN FINAL PATTERN ON ALL ROADS.

ROAD CLOSURE RESTRICTIONS

ROAD CLOSURES WILL NOT BE ALLOWED ON THE FOLLOWING DAYS:

- JULY 4TH - JULY 5TH, 2020
- SEPT 5TH - SEPT 7TH, 2020
- NOV 26TH - NOV 29TH, 2020
- DEC 25TH - DEC 27TH, 2020
- JAN 1ST -JAN 3RD, 2020
- MAY 29TH - MAY 31, 2021
- JULY 3RD - JULY 4TH, 2021
- SEPT 4TH - SEPT 6, 2021
- NOV 25TH - NOV 28TH, 2021
- DEC 24TH - DEC 26TH, 2021
- JAN 1ST - JAN 2ND, 2022
- MAY 28TH - MAY 30TH, 2022
- SEP 3RD - SEP 5TH, 2022
- NOV 24TH - NOV 27TH, 2022
- DEC 24TH -DEC 25TH, 2022
- DEC 31, 2022 - JAN 1, 2023
- MAY 27TH - MAY 29TH, 2023
- JULY 4TH, 2023
- SEPT 2ND - SEPT 4TH, 2023
- NOV 23RD - NOV 26TH, 2023
- DEC 23RD - DEC 25TH, 2023
- DEC 30, 2023 - JAN 1, 2024
- MAY 25TH - MAY 27TH, 2024
- JULY 4TH, 2024
- AUG 31ST - SEP 2, 2024
- NOV 28TH - DEC 1, 2024

PIN OAK DRIVE LEFT TURN LANE

A LEFT TURN LANE INTO PIN OAK DRIVE MUST REMAIN IN PLACE AND OPEN AT ALL TIMES, EXCEPT DURING CERTAIN PHASES AND ACTIVITIES AS DESCRIBED HEREIN. DURING PHASES THAT LEFT TURN LANES ARE REQUIRED, EITHER MAINTAIN THE EXISTING LEFT TURN LANES OR INSTALL THE TURN LANE CONFIGURATION (FOR THE PARTICULAR PHASE) AT THE BEGINNING OF EACH PHASE AND ENSURE FUNCTIONALITY OF THE LEFT TURN LANE INTO PIN OAK DRIVE AT ALL TIMES.

DURING PHASES DESIGNATED AS REQUIRING A LEFT TURN LANE INTO PIN OAK DRIVE, A LEFT TURN LANE WILL NOT BE REQUIRED ONLY DURING ACTIVITIES REQUIRING FLAGGERS IN THE VICINITY OF PIN OAK DRIVE. THESE ACTIVITIES INCLUDE THE PHASE I SHOULDER STRENGTHENING (MILL AND INLAY), ANY MAINTENANCE ACTIVITY, AND STRIPING RECONFIGURATION ACTIVITIES REQUIRED TO PREPARE FOR M.O.T. PHASE CHANGES. THE CONTRACTOR WILL USE TRAFFIC DRUMS AND FLAGGERS TO COMPLETE THESE ACTIVITIES AS SOON AS PRACTICAL AND RESTORE TWO WAY TRAFFIC AND THE LEFT TURN LANE INTO PIN OAK DRIVE.

THE FOLLOWING PHASES REQUIRE A LEFT TURN LANE INTO PIN OAK DRIVE AT ALL TIMES, EXCEPT AS NOTED ABOVE:

- PHASE I
- PHASE IA
- PHASE IB
- PHASE IC
- PHASE II
- PHASE IIA
- PHASE IIB
- PHASE III
- PHASE IVB
- PHASE V

A LEFT TURN LANE INTO PIN OAK DRIVE WILL NOT BE REQUIRED FOR ACTIVITIES DESCRIBED IN CERTAIN PHASES. THESE ACTIVITIES AND PHASES MUST BE COMPLETED CONSECUTIVELY, AS SOON AS PRACTICAL, AND WITHIN 90 CALENDAR DAYS OF THE INITIATION OF THE FIRST OF THESE PHASES. A LEFT TURN LANE INTO PIN OAK DRIVE WILL NOT BE REQUIRED FOR THE FOLLOWING PHASES:

- PHASE IIIA
- PHASE IIIB
- PHASE IVA

A PENALTY OF \$1,000 PER DAY WILL BE ASSESSED FOR ANY DAY OR PORTION OF A DAY THAT A LEFT TURN LANE INTO PIN OAK DRIVE IS NOT IN PLACE AND OPEN DURING ACTIVITIES OR PHASES THAT A LEFT TURN LANE IS REQUIRED AS DESCRIBED ABOVE. A PENALTY OF \$1,000 PER DAY WILL ALSO BE ASSESSED FOR EACH DAY OR PORTION OF A DAY THAT ALL ACTIVITIES DESCRIBED IN PHASE IIIA, PHASE IIB, AND PHASE IVA ARE NOT COMPLETED AND THE LEFT TURN LANE INTO PIN OAK DRIVE RESTORED, AFTER 90 CALENDAR DAYS FROM THE INITIATION OF PHASE IIIA. THESE PENALTIES WILL BE ASSESSED REGARDLESS OF SEASONAL OR WEATHER LIMITATIONS, AND WILL BE CHARGED CONCURRENTLY AND IN ADDITION TO ANY OTHER LIQUIDATED DAMAGES OR OTHER APPLICABLE PENALTIES.

PULASKI COUNTY		COUNTY OF	PULASKI	ITEM NO.	8-59.25 8-59.26	SHEET NO.	T001
		NOTES :					

ITEM	CODE NUMBER	UNIT	QUANTITY	LARKIN LANE	RAMP A	RAMP C	RAMP H	TOTAL
GROUND MOUNTED SIGN SUPPORTS								
① TYPE A	6400	LBS.	4,513					4,513
① TYPE C	6441	LBS.	4,839					6,921
FOOTINGS FOR SIGNS								
⑦ CONCRETE - CLASS "A" FOR SIGNS	6490	CU. YD.	97.9					109.8
⑦ REINFORCEMENT STEEL	6491	LBS.	7,058					7,498
SIGN BASE MATERIAL								
ALUMINUM								
② PANEL SIGNS SHEETING SIGNS	6405	SO. FT.	2,078					2,330
0.080 GAUGE	6406	SO. FT.	39					932
0.125 GAUGE	6407	SO. FT.	241				228	1,127
STEEL POST ③④								
TYPE I	6410	LN. FT.	627					4,675
⑤ TYPE D	21596ND	EACH	8					8
OVERHEAD SIGN SUPPORTS ⑥								
OSS ALUMINUM 65 FT TRUSS	6424	EACH	1					1
OSS ALUMINUM 75 FT TRUSS	6436	EACH	1					1
OSS ALUMINUM 90 FT TRUSS	6445	EACH	1					1
MISCELLANEOUS								
⑧ ROADWAY CROSS SECTION	20419ND	EACH	9					11
BARRIER WALL POST	20912ND	EACH	3					3
BARCODE SIGN INVENTORY	24631EC	EACH	21					102



3 HMB Circle
 Frankfort, KY 40601
 Phone (502) 695-9800
 Fax (502) 695-9810

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
PULASKI

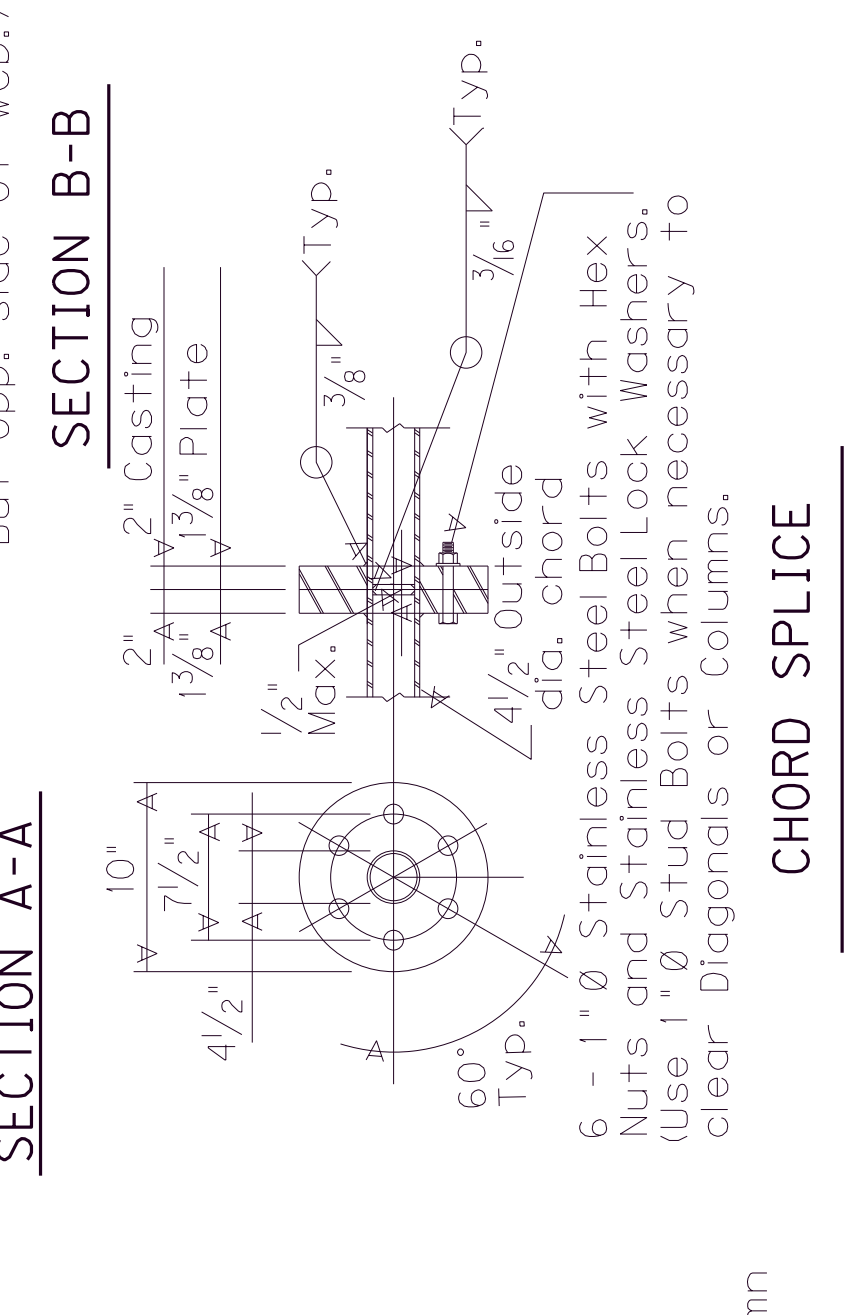
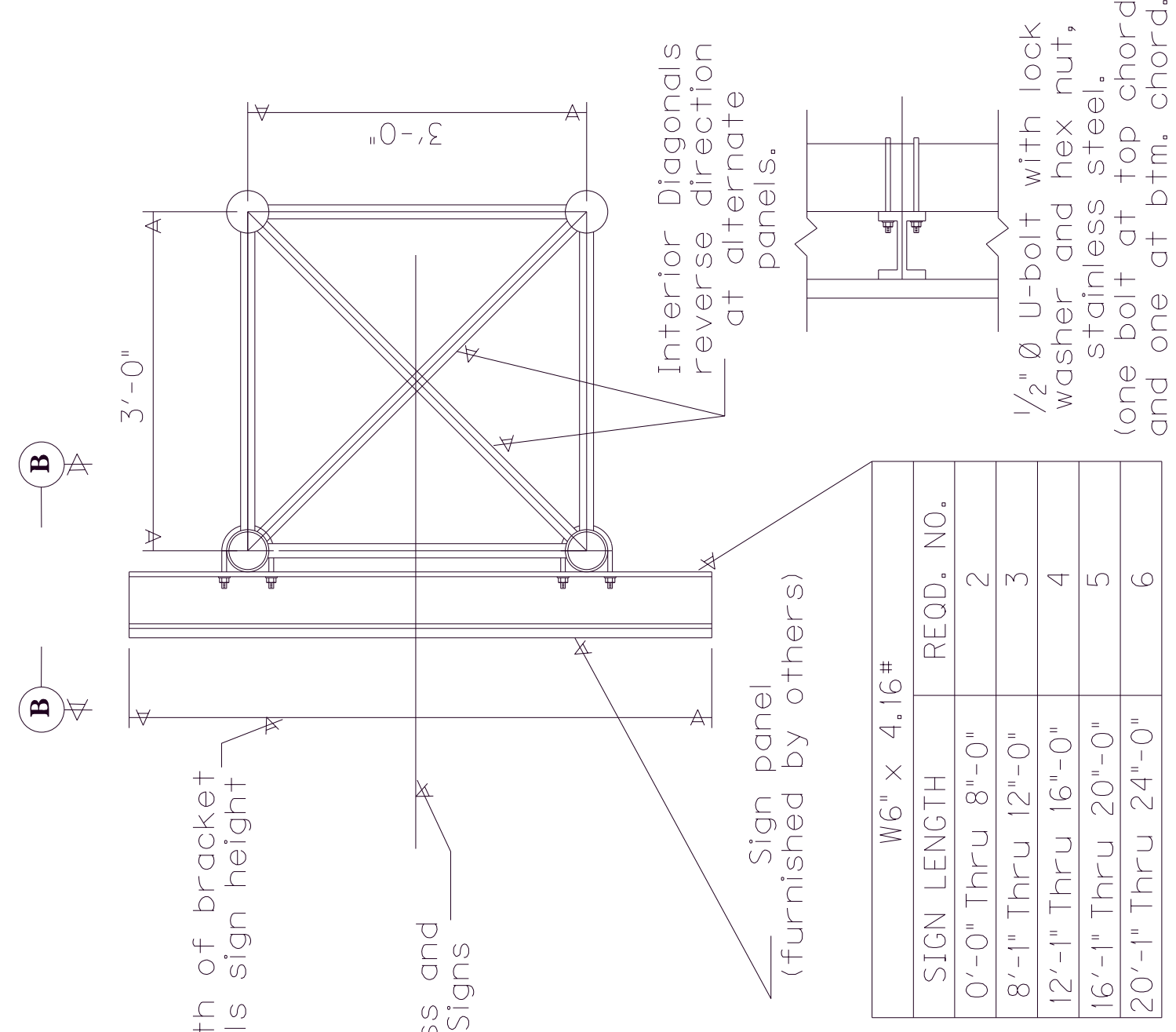
PROJECT NUMBER
 F052 100-0461-000-004
 NHPP 461-009

SIGNING QUANTITY SHEET

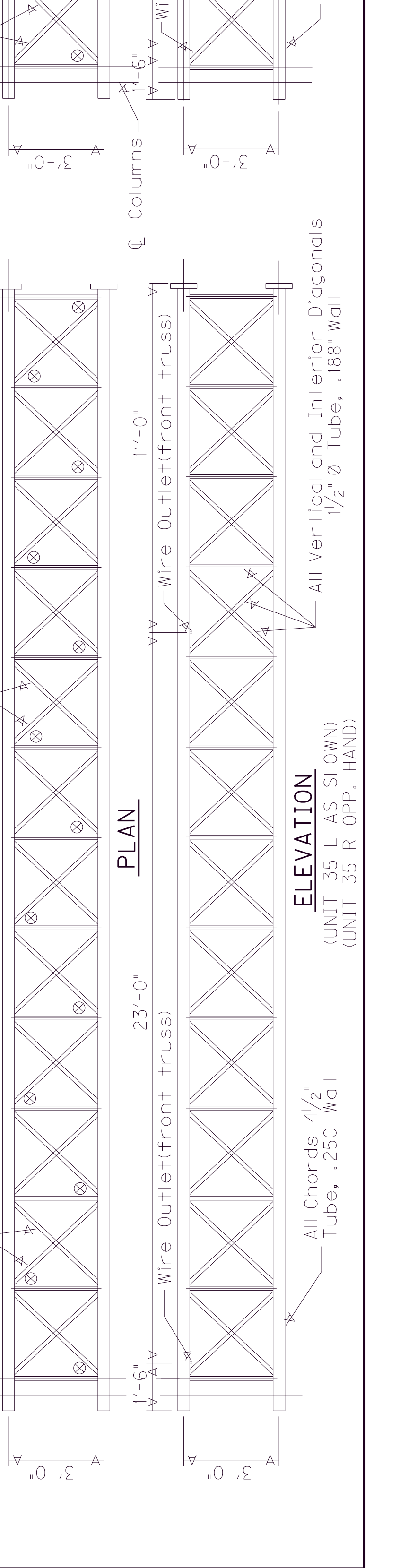
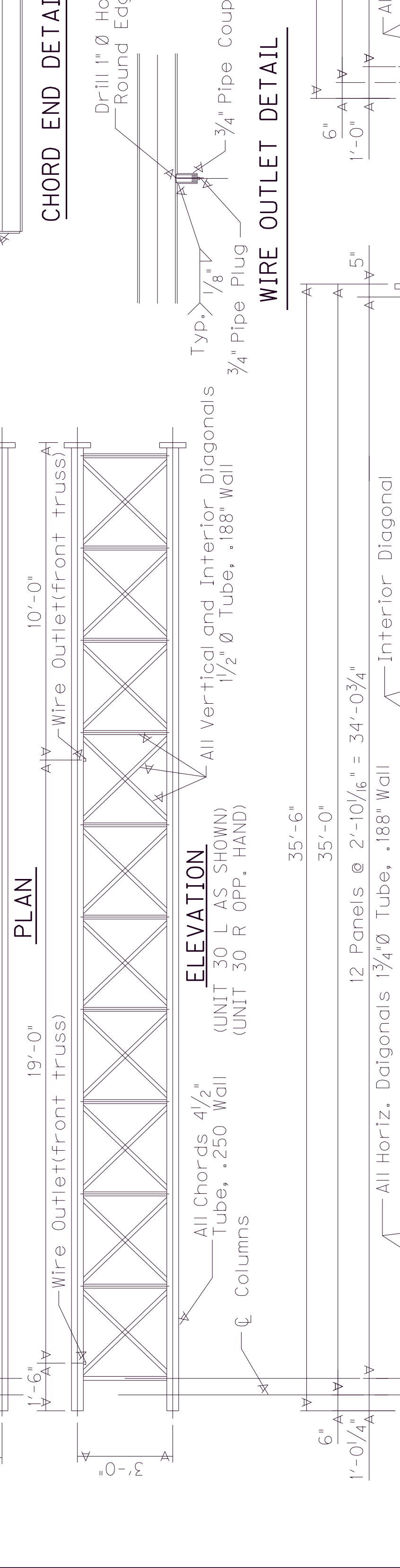
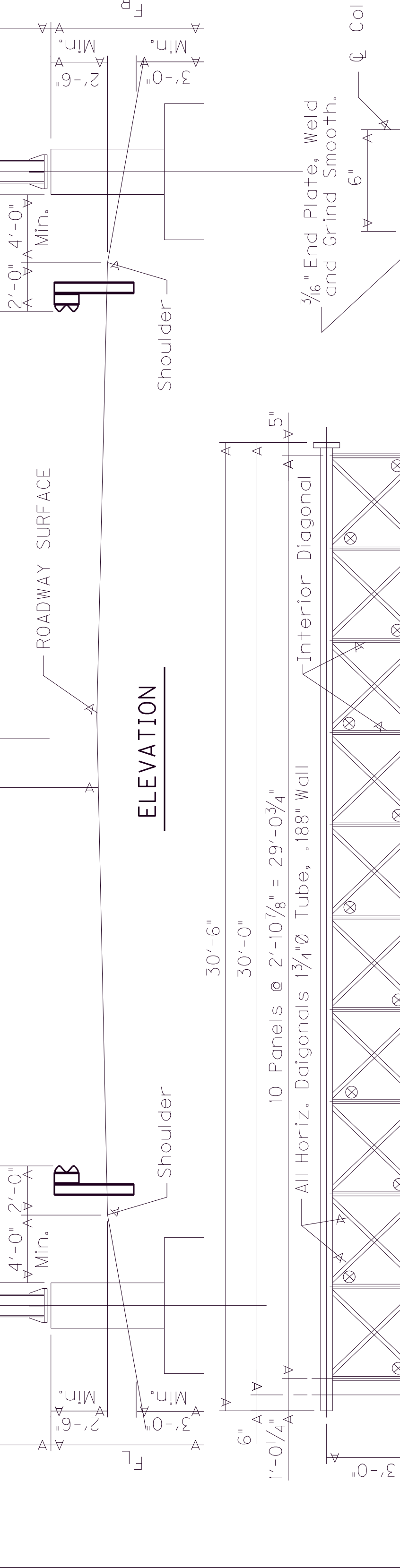
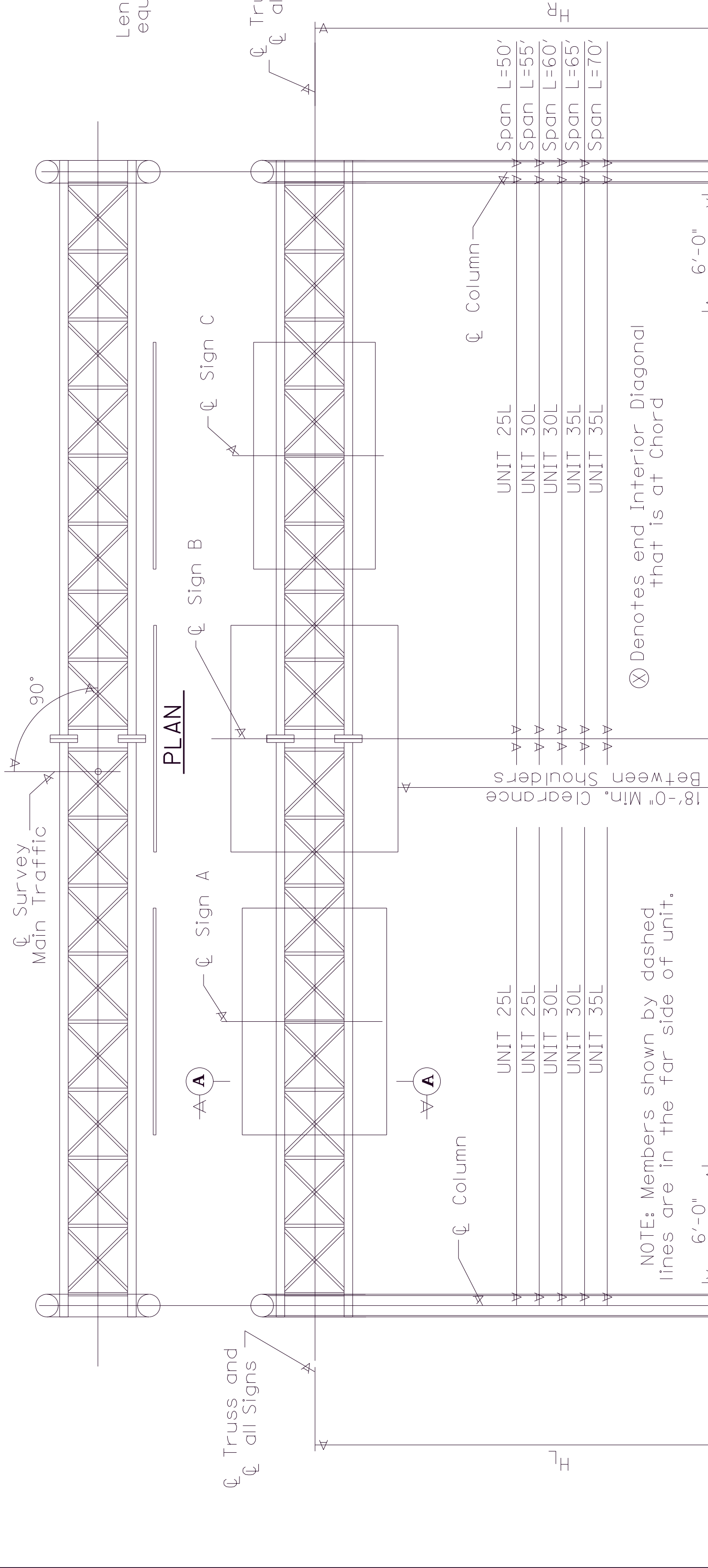
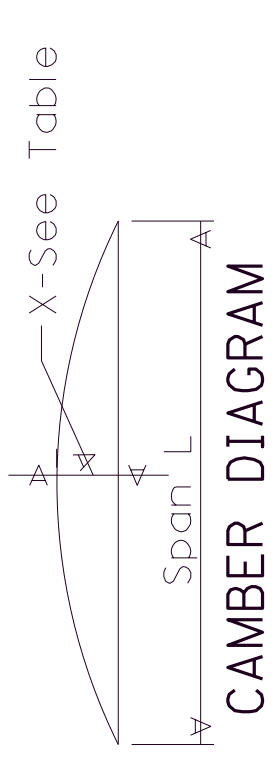
Support No.	STATION	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HL	HR	FL	FR
	130+00	65'	20' 2"	21' 4"	7'	8'	
Total Area**		SIGN A		SIGN B		SIGN C	
	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*
246.6	P-4	8.5	114.8	P-5	8.5	131.8	
	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*

* Area includes Exit Number Signs that are not shown.
 ** Total Area includes the sum of all of the signs on the structure and shall not exceed 600 square feet.

A registered professional engineer licensed to practice in the Commonwealth of Kentucky shall fill out the chart above based on the design cross section at the locations where the truss is to be erected, the actual signs to be used on the truss, and the instructions herein. The engineer's name is to appear in the "Checked By" box (***) of the title block on each sheet. The engineer is responsible for verifying the information based on the contractor's submitted cross sections and for reviewing the fabricator's shop drawings in detail.



L	X
50	1"
55	1 1/4"
60	1 1/2"
65	1 3/4"
70	2"



DATE: _____ CHECKED BY: _____
 DESIGNED BY: Standard Sheet ***
 DETAILED BY: _____

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY
PULASKI

ROUTE
50'-70' OVERHEAD SIGN SUPPORT

ITEM NUMBER
8-59.25, 8-59.26

PREPARED BY
Division of Structural Design

SHEET NO.
T017

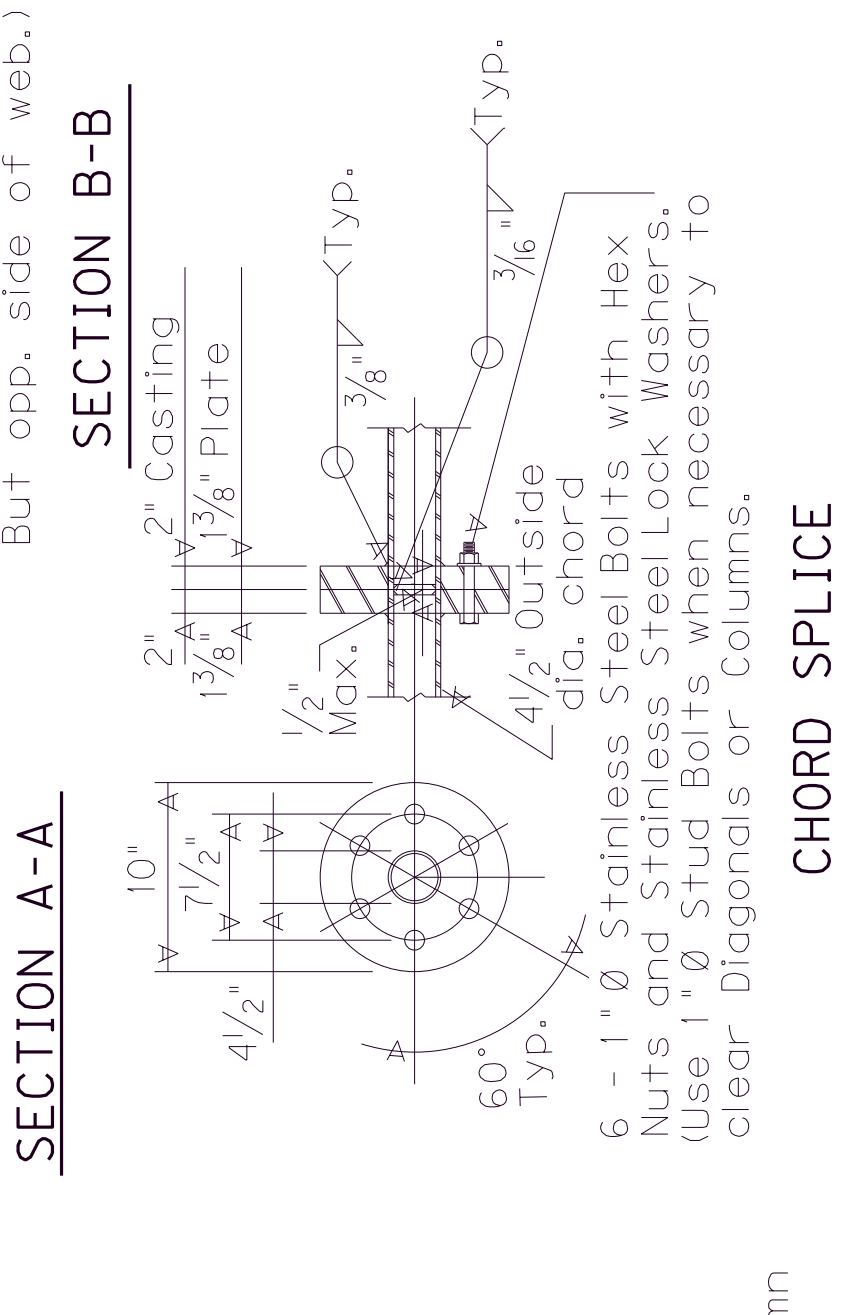
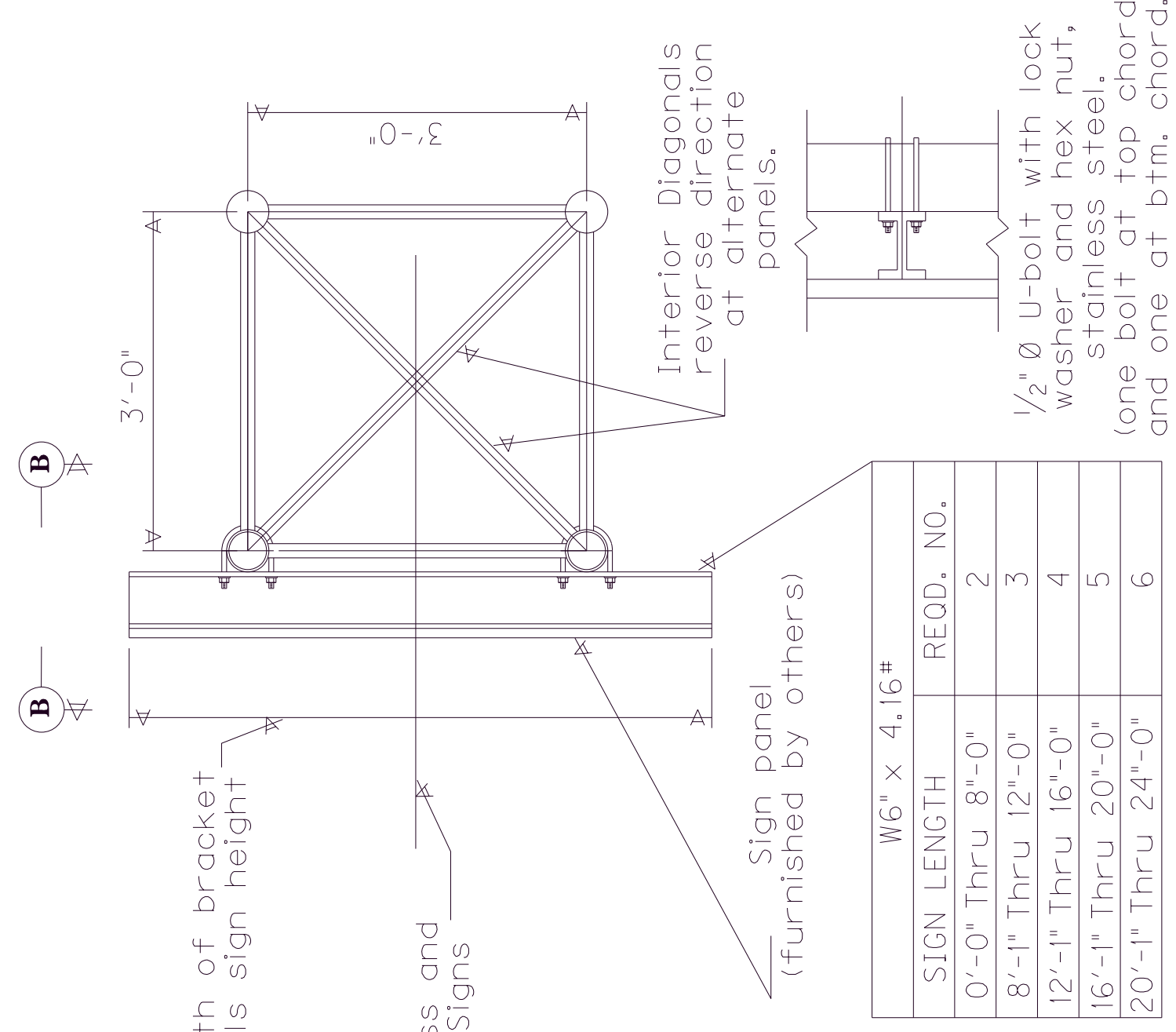
DRAWING NO.

Support No.	STATION	SPAN	SUPPORT HEIGHT		FOOTING HEIGHT
			H ₁	H ₂	
	130+00	65'	20' 2"	21' 4"	7' 8"
Total Area**			Span		
	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*
246.6	P-4 13.5 8.5 114.8 P-5 8.5 131.8				
	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*

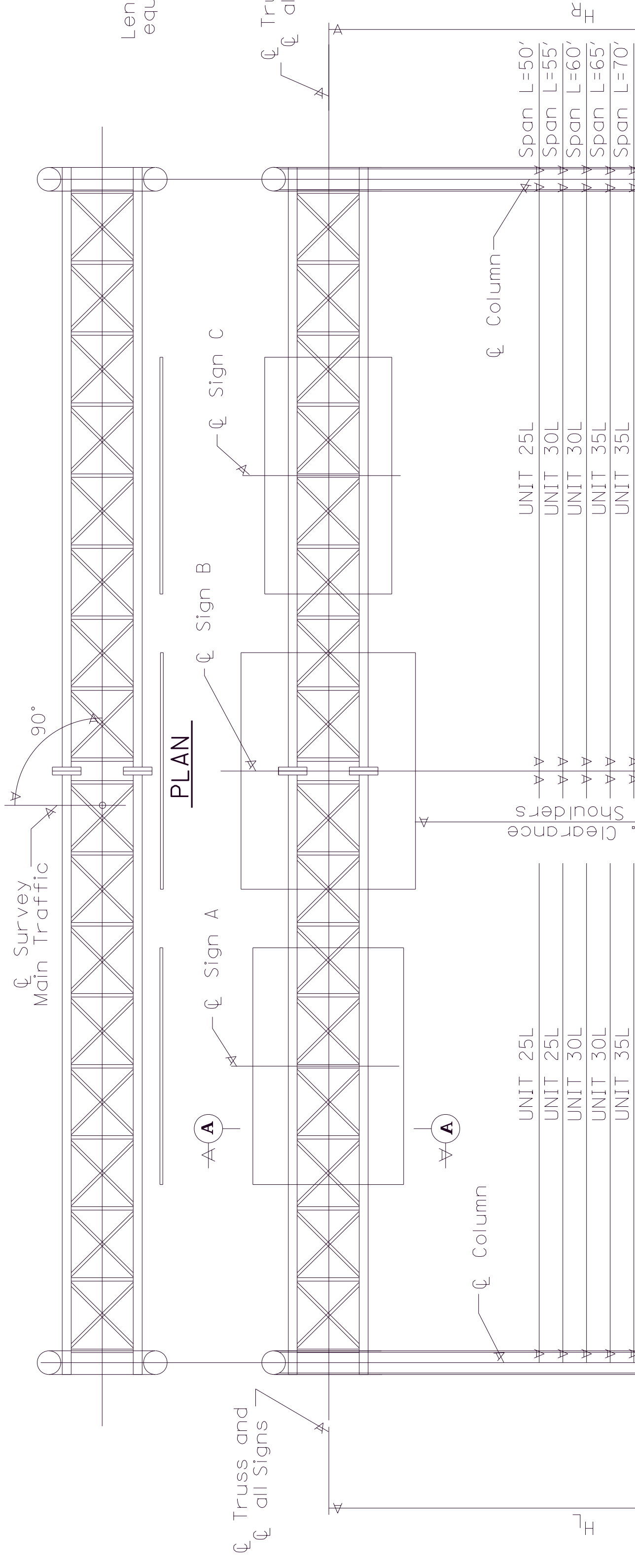
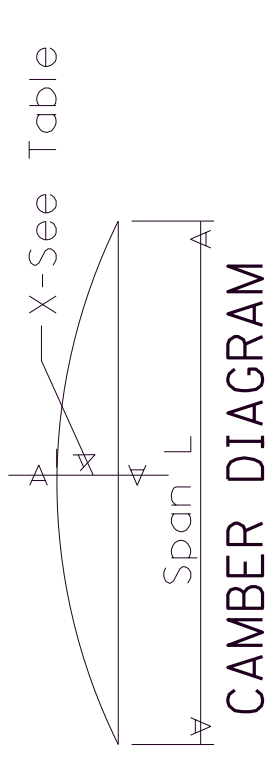
REVISED: 9-21-20

* Area includes Exit Number Signs that are not shown.
 ** Total Area includes the sum of all of the signs on the structure and shall not exceed 600 square feet.

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L	X
50	1"
55	1 1/4"
60	1 1/2"
65	1 3/4"
70	2"



DATE: _____ CHECKED BY: _____
 DESIGNED BY: Standard Sheet ***
 DETAILED BY: _____

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY
PULASKI

ROUTE
8-59.25, 8-59.26

ITEM NUMBER
50'-70' OVERHEAD SIGN SUPPORT

PREPARED BY
Division of Structural Design

SHEET NO.
T017

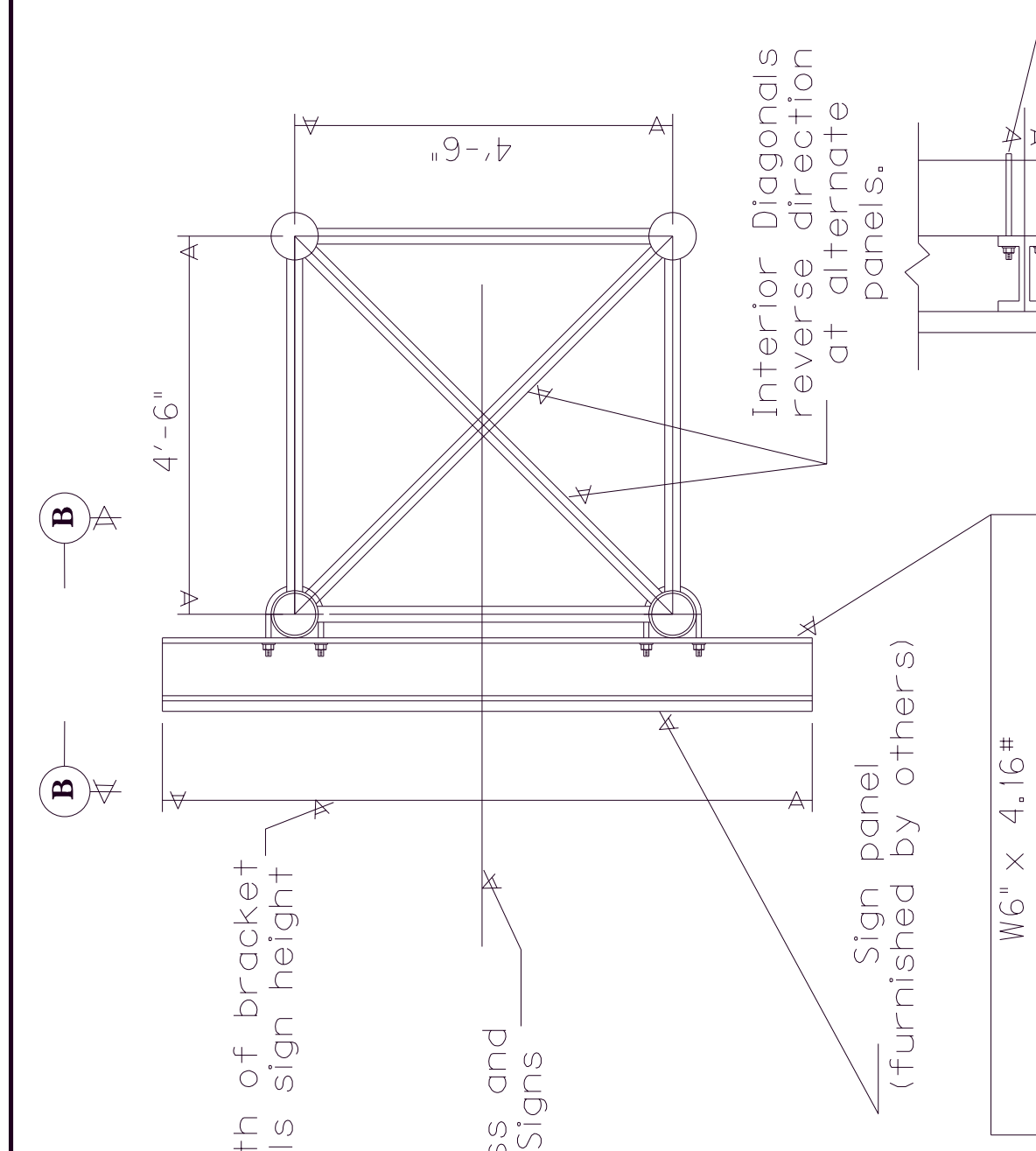
DRAWING NO.

Support No.	STATION	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HR	FL	FR	FR
Total Area**	734+70	90'	23' 2"	21' 2"	8'	9'	
294.8	SIGN A	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*
		13.5	8.5	114.8	P-10	15.0	12.0
I.D. Horiz. Vert. Area*	SIGN D						

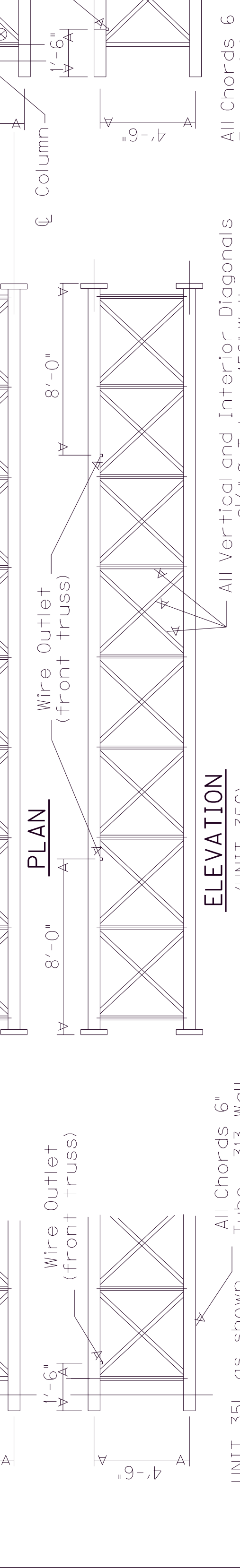
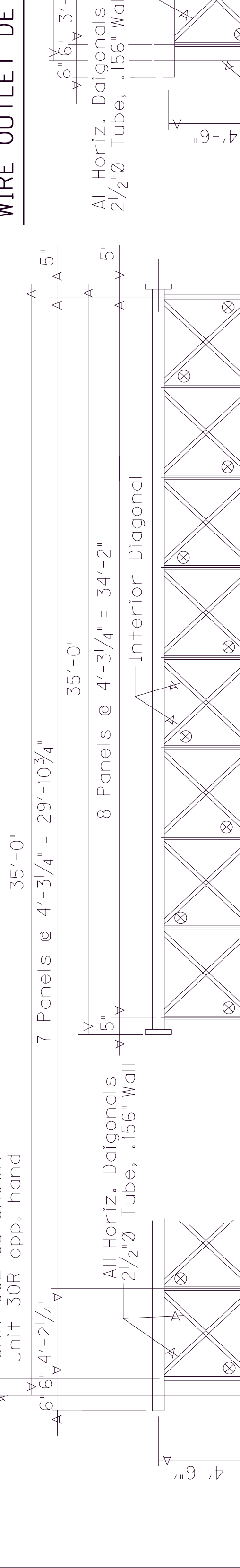
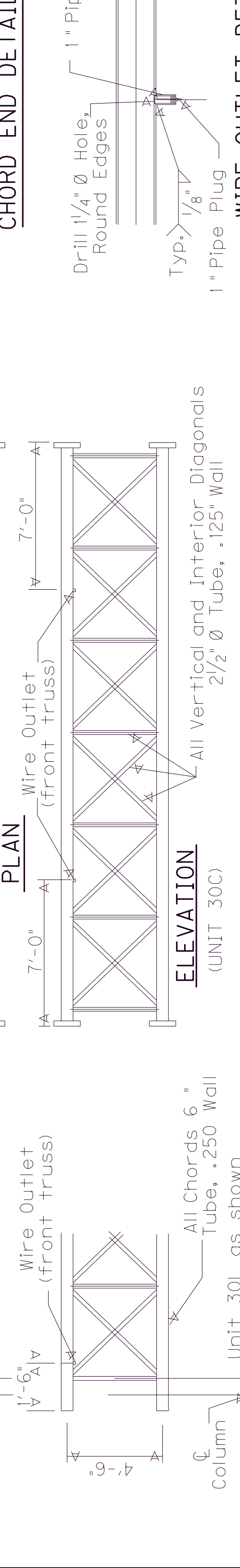
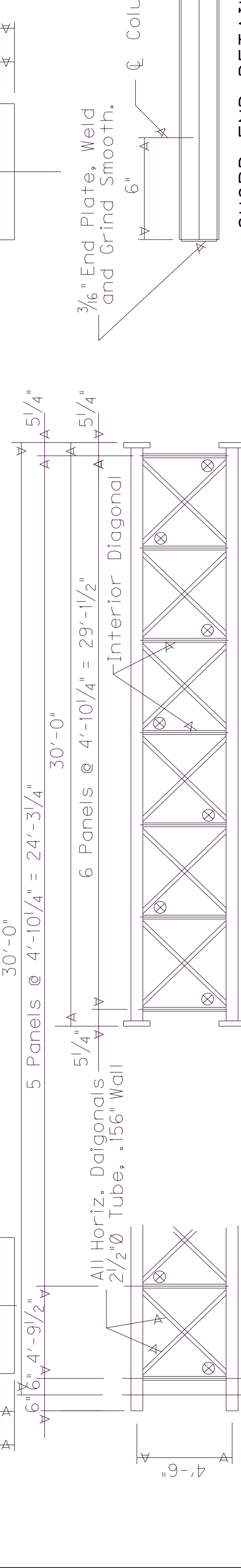
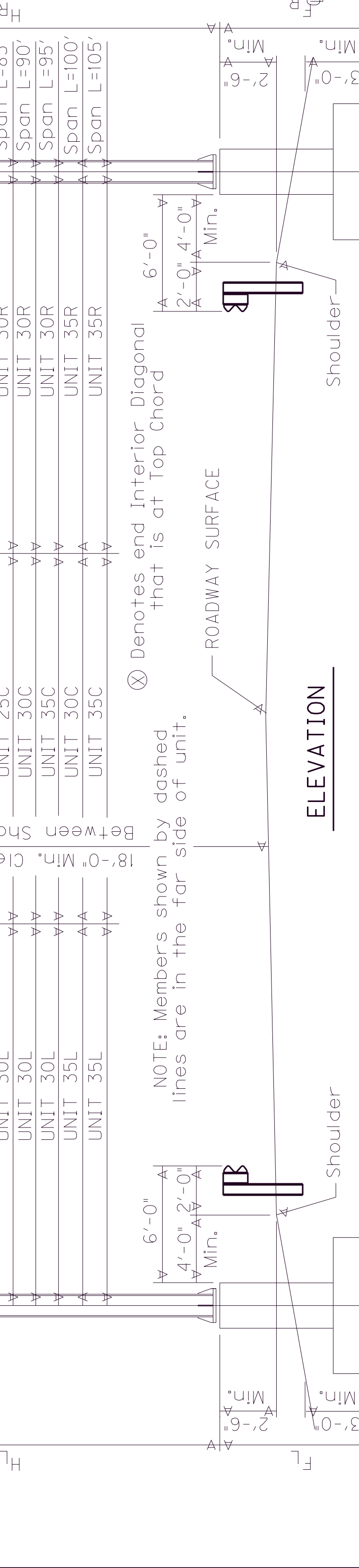
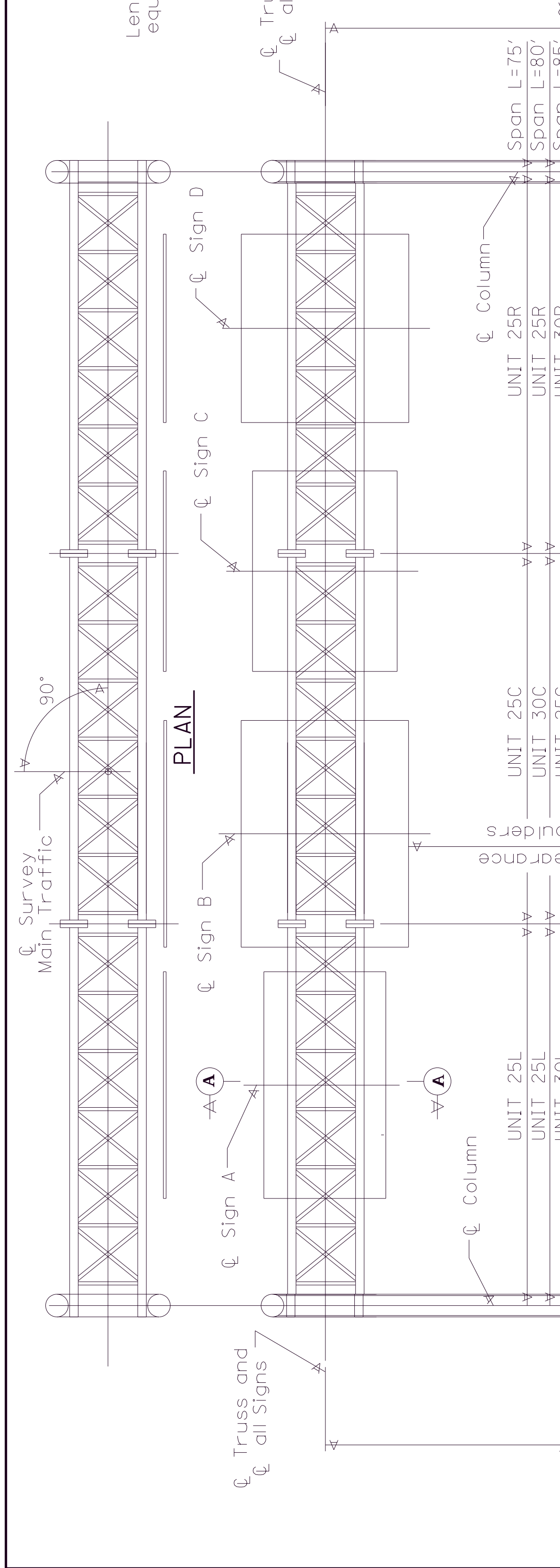
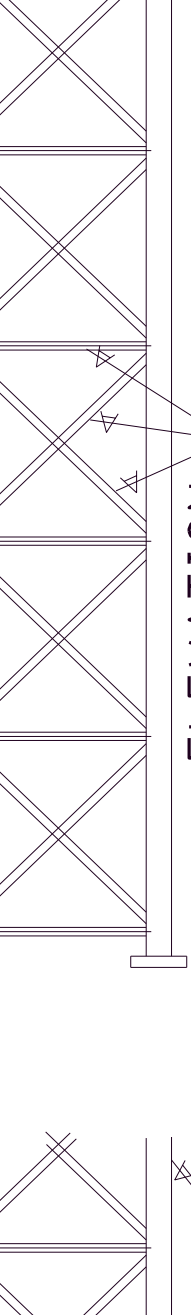
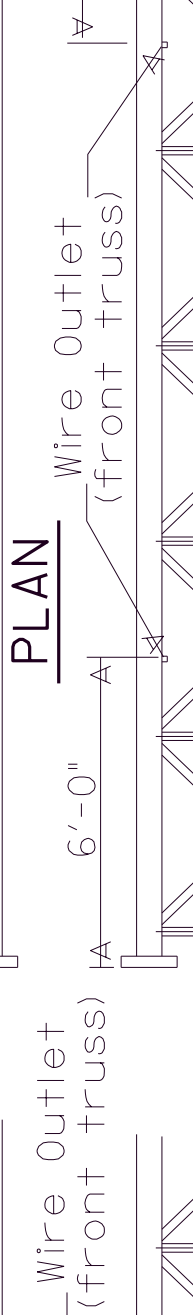
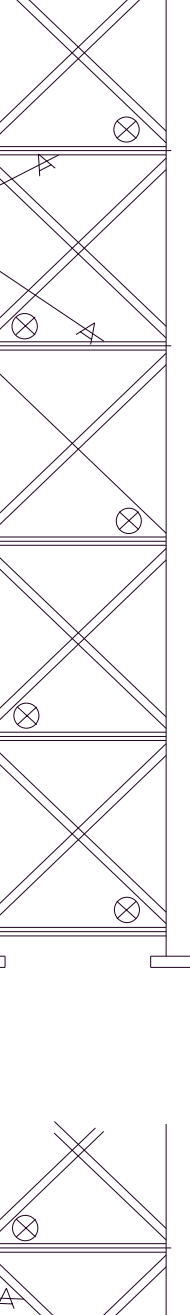
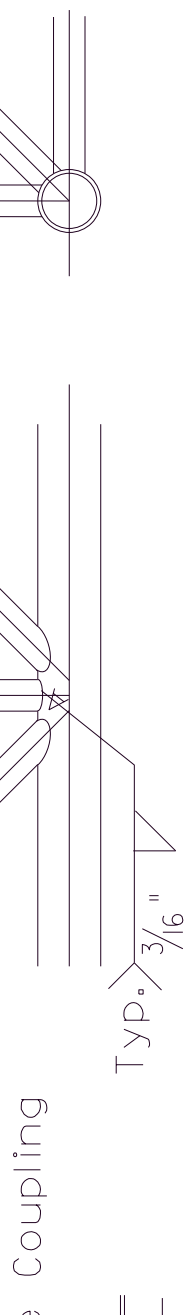
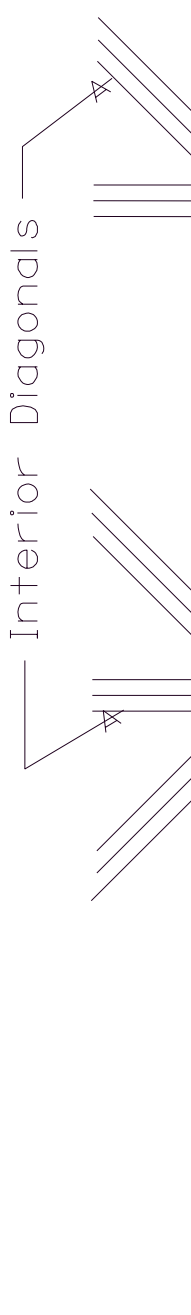
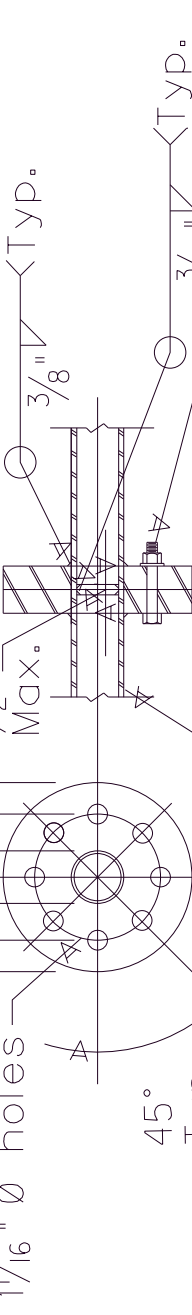
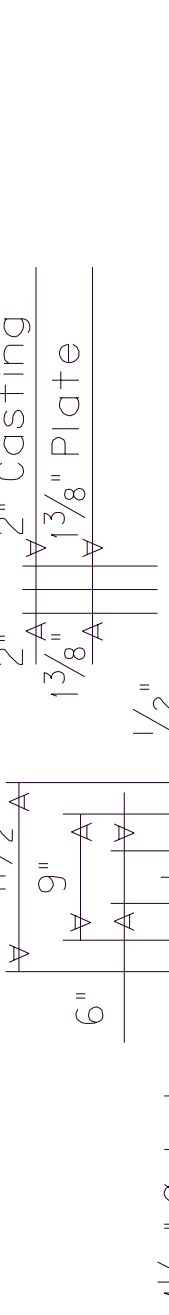
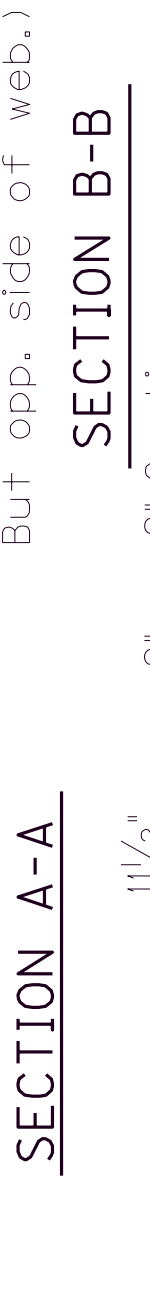
Support No.	STATION	SPAN		SUPPORT HEIGHT		FOOTING HEIGHT	
		L	HL	HR	FL	FR	FR
Total Area**	131+50	75'	21' 2"	21' 6"	7'	8'	
357.1	SIGN A	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*	I.D. Horiz. Vert. Area*
		10.5	10.5	162.8	P-3	18.5	10.5
I.D. Horiz. Vert. Area*	SIGN B						

* Area includes Exit Number Signs that are not shown.
 ** Total Area includes the sum of all of the signs on the structure and shall not exceed 700 square feet.

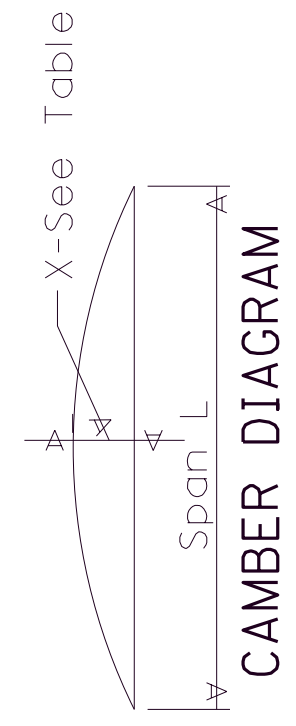
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SIGN LENGTH	REQD. NO.
0'-0" Thru 8'-0"	2
8'-1" Thru 12'-0"	3
12'-1" Thru 16'-0"	4
16'-1" Thru 20'-0"	5
20'-1" Thru 24'-0"	6



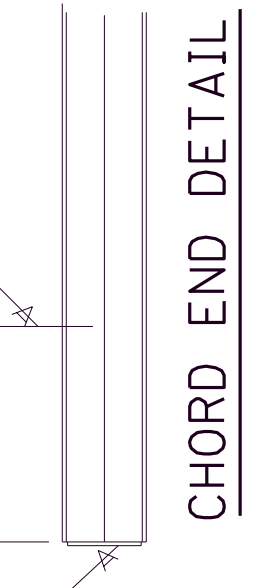
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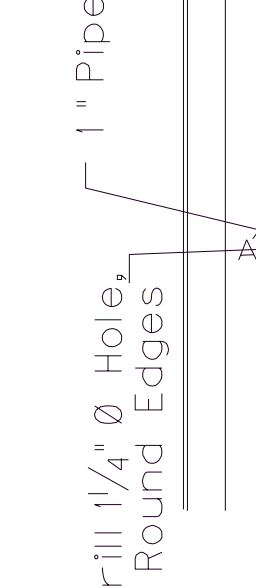
CAMBER DIAGRAM

NOTE: All Diagonals are to be cut and ground to fit snugly before welding.

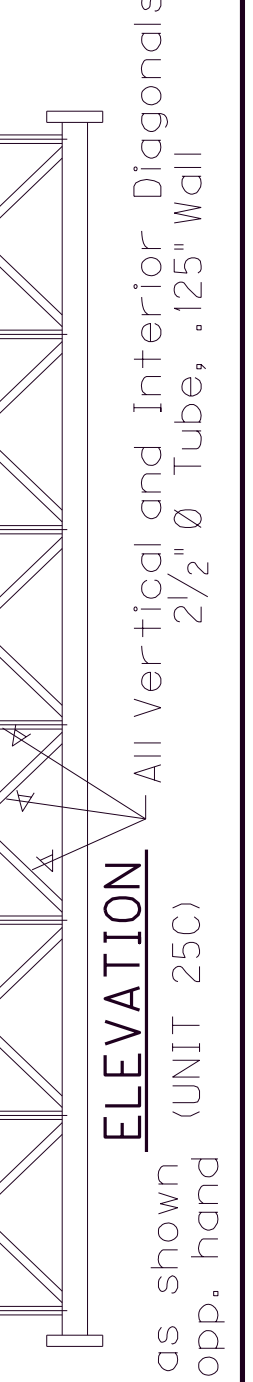
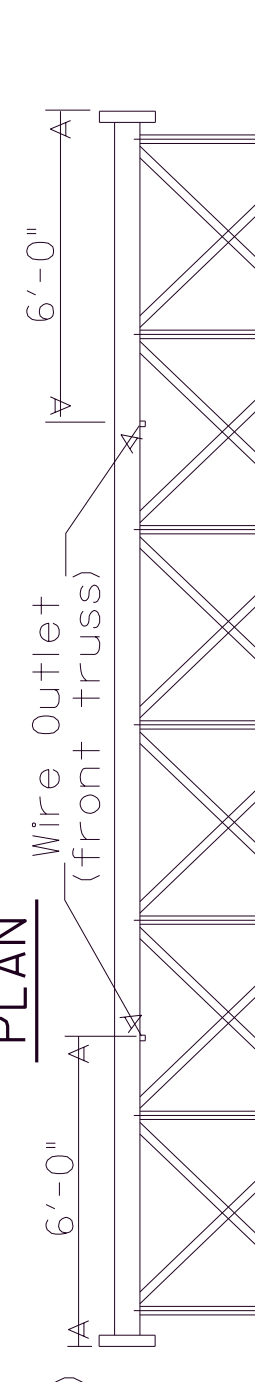
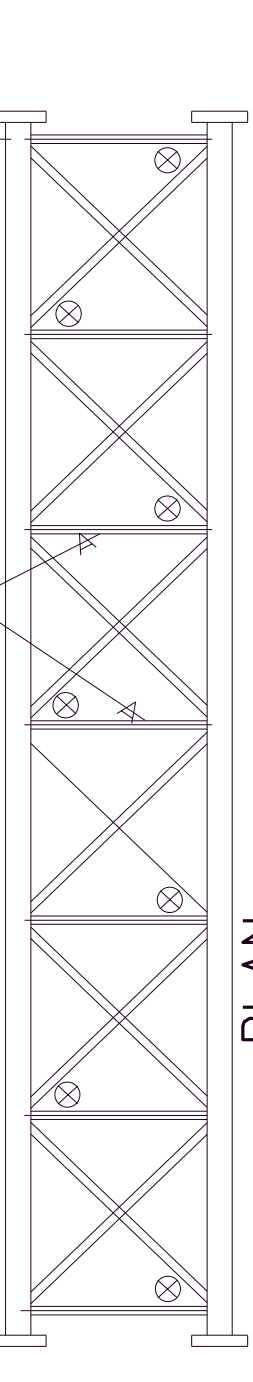
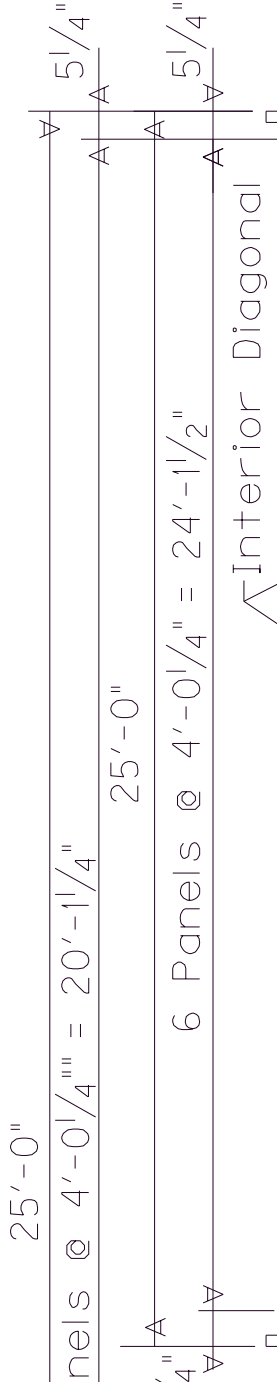
TYPICAL PANEL POINT DETAIL



CHORD END DETAIL



WIRE OUTLET DETAIL



L	X
75	2 1/4"
80	2 1/2"
85	2 3/4"
90	3"
95	3 1/4"
100	3 1/2"
105	3 3/4"

DATE: _____ DESIGNED BY: Standard Sheet *** CHECKED BY: _____
 DETAILED BY: _____
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY: **PULASKI**
 ROUTE: _____ ITEM NUMBER: **8-59.25, 8-59.26**
75'-105' OVERHEAD SIGN SUPPORT
 PREPARED BY: _____ SHEET NO. **T021**
Division of Structural Design DRAWING NO. _____

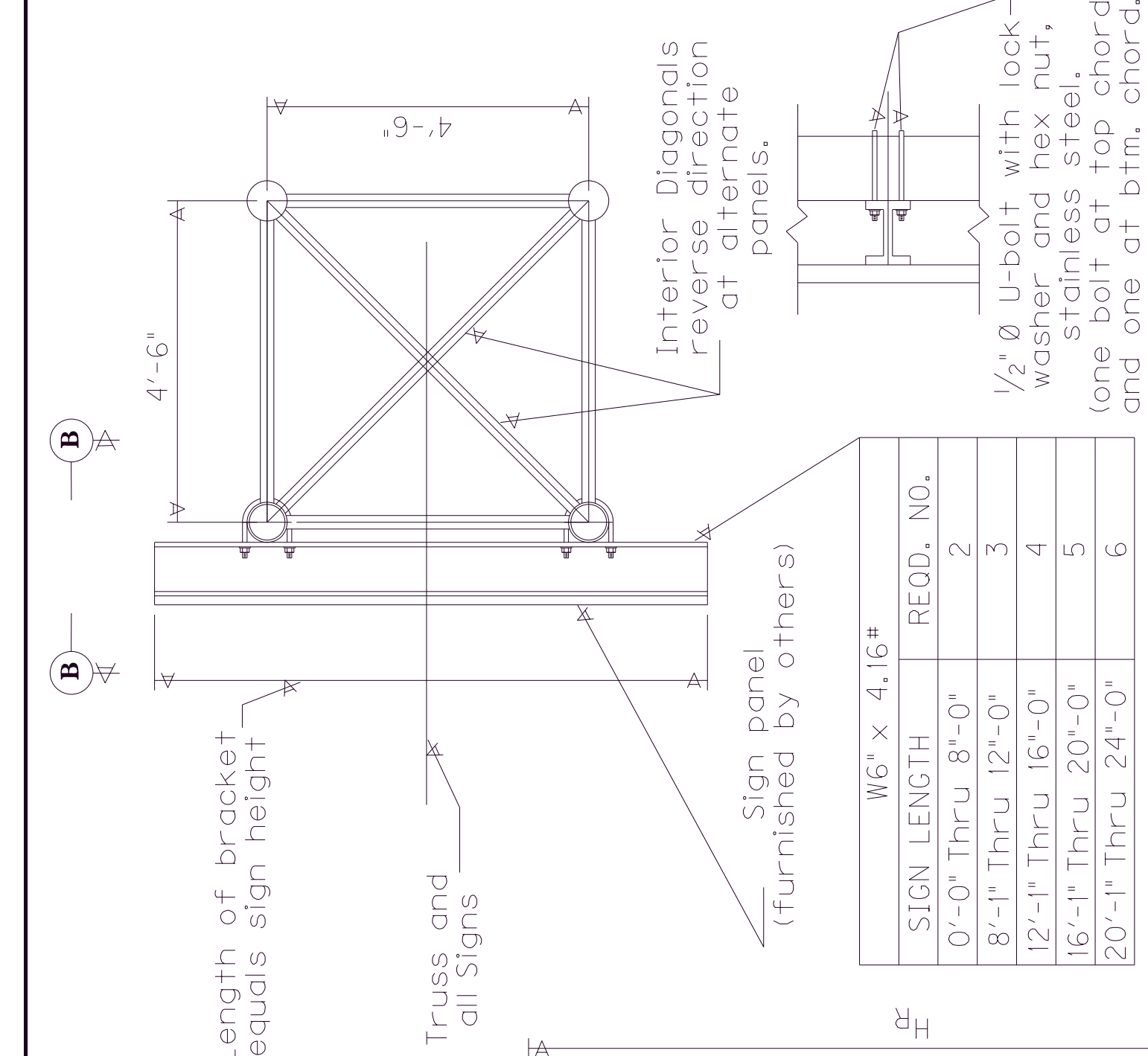
Support No.	STATION	SPAN	SUPPORT HEIGHT		FOOTING HEIGHT
			H _L	H _R	
	734+70	90'	23' 2"	21' 2"	8' 9"
	SIGN A				
Total Area**	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area
294.8	P-9 13.5 8.5	114.8 P-10 15.0 12.0	180.0		
	SIGN B				
	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area

Support No.	STATION	SPAN	SUPPORT HEIGHT		FOOTING HEIGHT
			H _L	H _R	
	131+50	75'	21' 2"	21' 6"	7' 8"
	SIGN A				
Total Area**	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area
357.1	P-2 15.5 10.5	162.8 P-3 18.5 10.5	194.3		
	SIGN B				
	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area

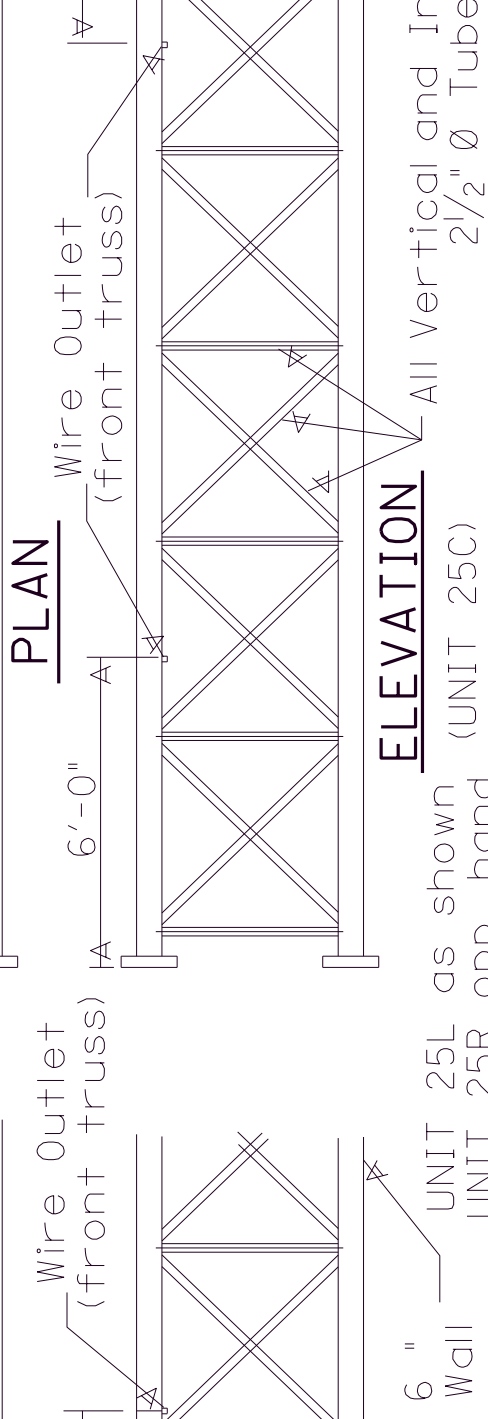
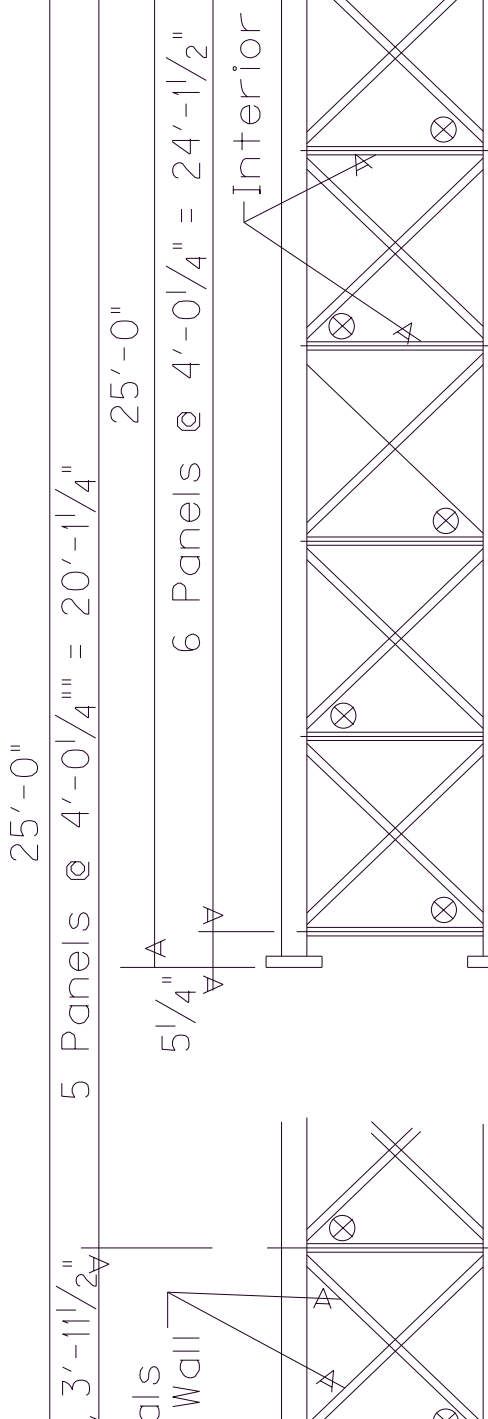
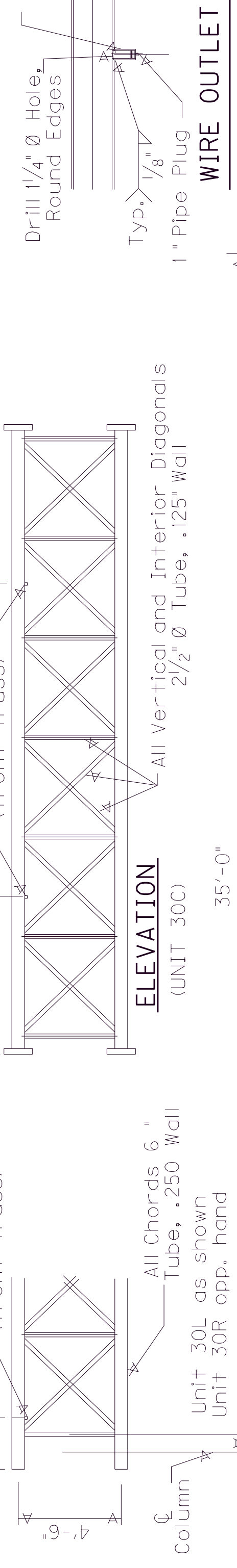
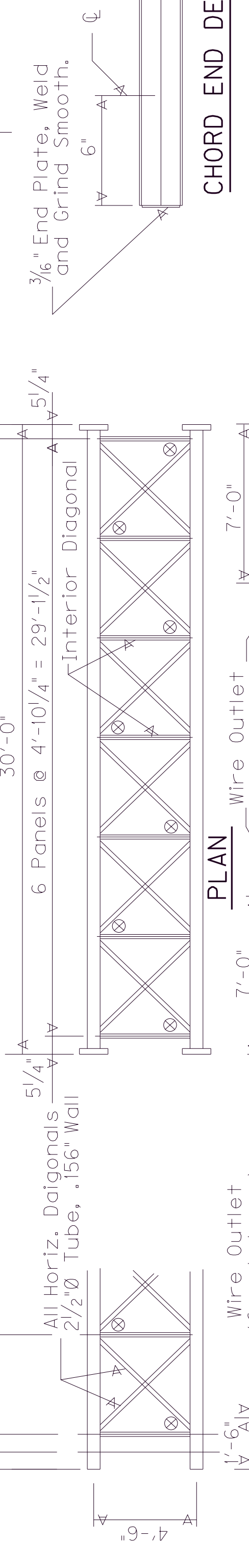
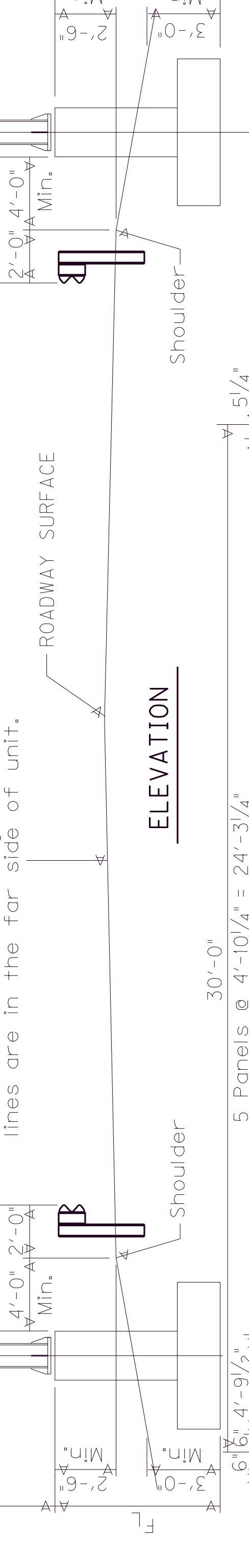
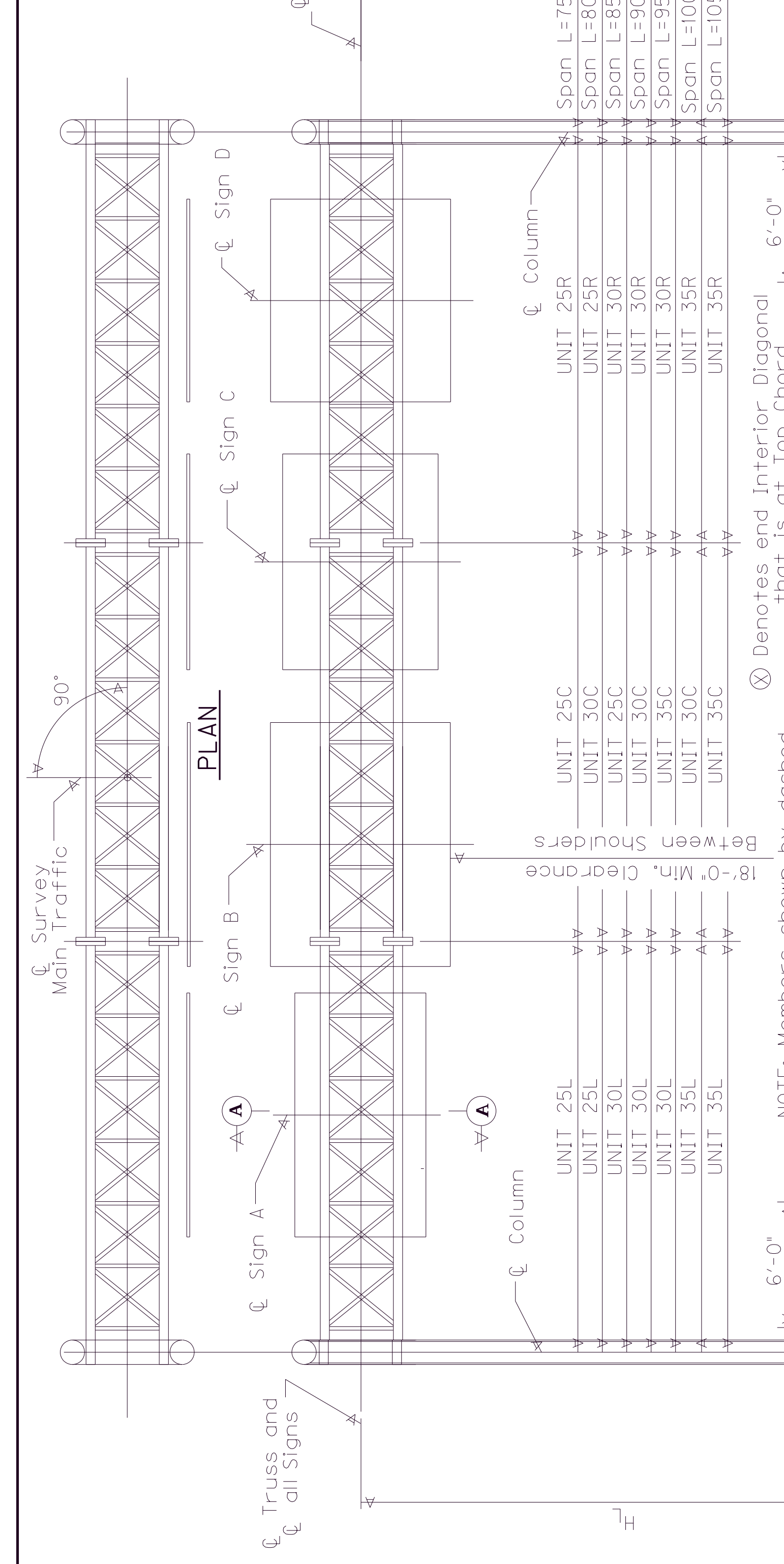
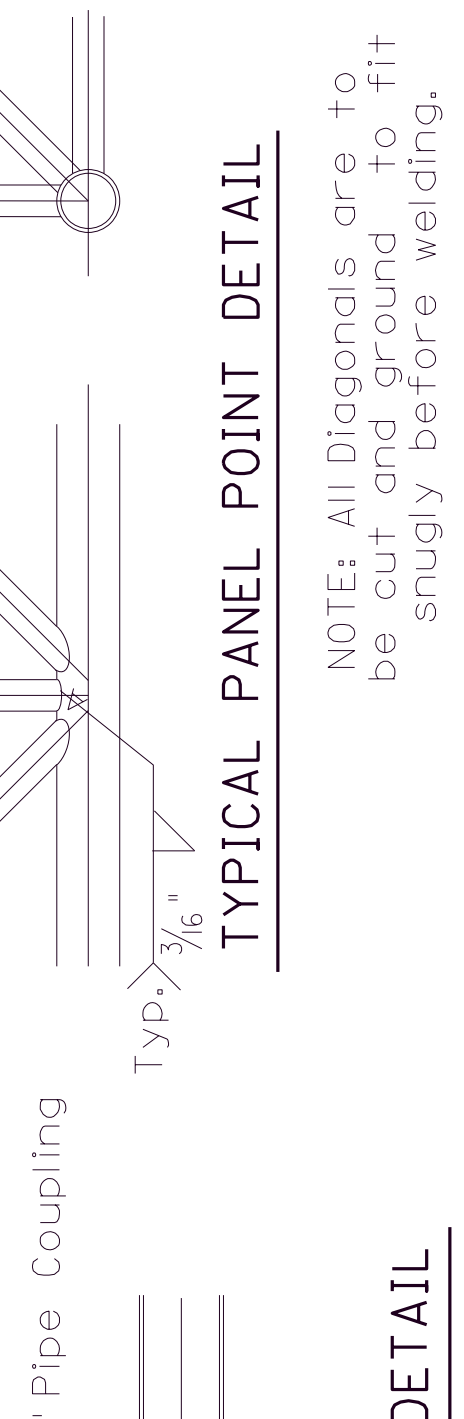
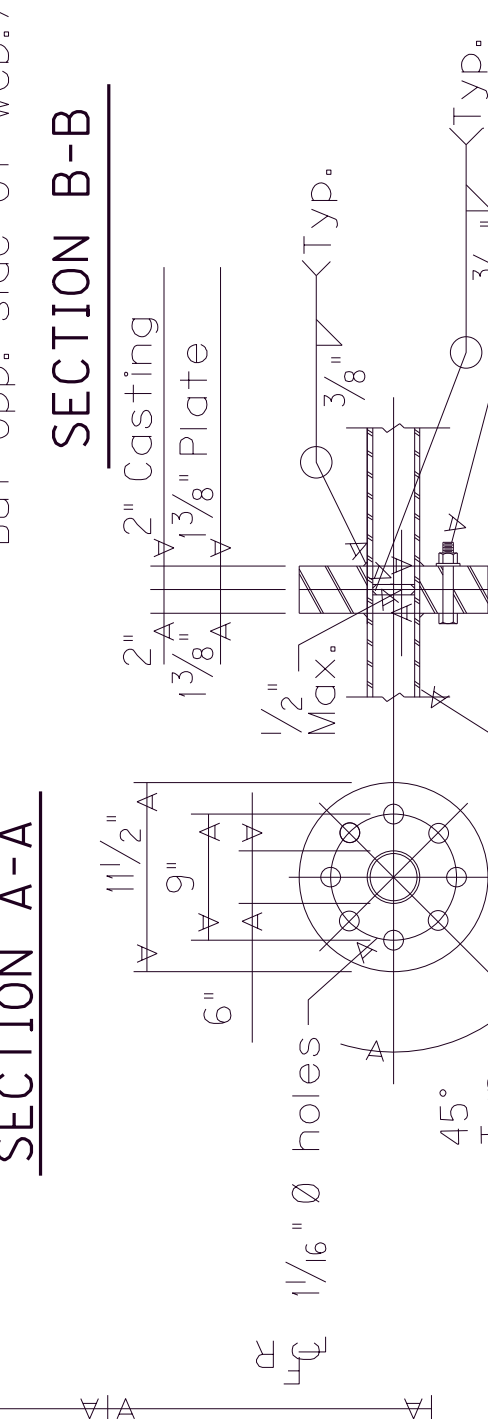
REVISED: 9-21-20

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SIGN LENGTH	REQD. NO.
0'-0" Thru 8'-0"	2
8'-1" Thru 12'-0"	3
12'-1" Thru 16'-0"	4
16'-1" Thru 20'-0"	5
20'-1" Thru 24'-0"	6



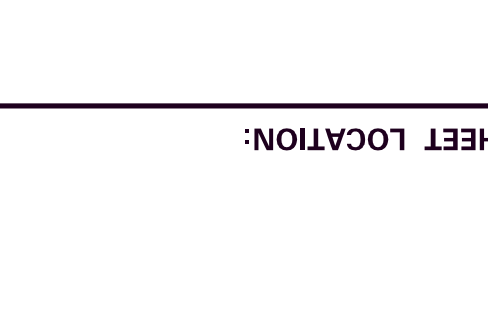
Support No.	STATION	SPAN	SUPPORT HEIGHT	FOOTING HEIGHT	
	734+70	90'	23' 2"	21' 2"	
	SIGN A				
Total Area**	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	
294.8	P-9 13.5 8.5	114.8 P-10 15.0 12.0	180.0		
	SIGN B				
	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	

Support No.	STATION	SPAN	SUPPORT HEIGHT	FOOTING HEIGHT	
	131+50	75'	21' 2"	21' 6"	
	SIGN A				
Total Area**	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	
357.1	P-2 15.5 10.5	162.8 P-3 18.5 10.5	194.3		
	SIGN B				
	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	I.D. Horiz. Vert. Area	

REVISED: 9-21-20

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DATE: 8/24/2023 10:58:00 AM
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 FILE NAME: 8-59-25-105-Overhead Sign Support.dwg

DATE: 8/24/2023 10:58:00 AM
 USERNAME: jsmith
 FILE NAME: 8-59-25-105-Overhead Sign Support.dwg

DATE: 8/24/2023 10:58:00 AM
 USERNAME: jsmith
 FILE NAME: 8-59-25-105-Overhead Sign Support.dwg

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