



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

January 20, 2021

CALL NO. 300
CONTRACT ID NO. 211003
ADDENDUM # 1

Subject: MADISON COUNTY, FD04 SPP 076 NEW ROUTE
Letting January 29, 2021

- (1) Revised - Delete Special Note for Subgrade Reinforcement - Pages 11-12 of 188
- (2) Revised - Proposal Bid Items - Pages 182-188 of 188
- (3) Revised - Plan Sheets R2 and R2J

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	00001		DGA BASE	89,860.00	TON		\$	
0020	00018		DRAINAGE BLANKET-TYPE II-ASPH	11,883.00	TON		\$	
0030	00020		TRAFFIC BOUND BASE	174.00	TON		\$	
0040	00078		CRUSHED AGGREGATE SIZE NO 2	65,111.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	269.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	32.00	TON		\$	
0070	00194		LEVELING & WEDGING PG76-22	256.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	9,425.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	22,587.00	TON		\$	
0100	00221		CL2 ASPH BASE 0.75D PG64-22	4,857.00	TON		\$	
0110	00301		CL2 ASPH SURF 0.38D PG64-22	2,792.00	TON		\$	
0120	00307		CL2 ASPH SURF 0.38B PG64-22	5,338.00	TON		\$	
0130	00356		ASPHALT MATERIAL FOR TACK	106.00	TON		\$	
0140	00358		ASPHALT CURING SEAL	59.00	TON		\$	
0150	00388		CL3 ASPH SURF 0.38B PG64-22	5,115.00	TON		\$	
0160	02061		PCC BASE-6 IN	41.00	SQYD		\$	
0170	02101		CEM CONC ENT PAVEMENT-8 IN	94.00	SQYD		\$	
0180	02603		FABRIC-GEOTEXTILE CLASS 2 (REVISED: 1-20-21)	78,676.00	SQYD		\$	
0200	02702		SAND FOR BLOTTER	147.00	TON		\$	
0205	24276EC		SUBGRADE REINFORCEMENT (ADDED: 1-20-21)	129,204.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0220	01810		STANDARD CURB AND GUTTER	720.00	LF		\$	
0230	01825		ISLAND CURB AND GUTTER	16,919.00	LF		\$	
0240	01891		ISLAND HEADER CURB TYPE 2	100.00	LF		\$	
0250	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	23.00	EACH		\$	
0260	01984		DELINEATOR FOR BARRIER - WHITE	4.00	EACH		\$	
0270	02091		REMOVE PAVEMENT	1,370.00	SQYD		\$	
0280	02159		TEMP DITCH	9,368.00	LF		\$	
0290	02160		CLEAN TEMP DITCH	18,735.00	LF		\$	
0300	02200		ROADWAY EXCAVATION	647,917.00	CUYD		\$	
0310	02242		WATER	1,800.00	MGAL		\$	
0320	02262		FENCE-WOVEN WIRE TYPE 1	38,061.00	LF		\$	
0330	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,356.25	LF		\$	
0340	02360		GUARDRAIL TERMINAL SECTION NO 1	10.00	EACH		\$	
0350	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		\$	
0360	02367		GUARDRAIL END TREATMENT TYPE 1	5.00	EACH		\$	
0370	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0380	02397		TEMP GUARDRAIL	187.50	LF		\$	
0390	02429		RIGHT-OF-WAY MONUMENT TYPE 1	56.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	02432		WITNESS POST	4.00	EACH		\$	
0410	02483		CHANNEL LINING CLASS II	1,635.00	TON		\$	
0420	02484		CHANNEL LINING CLASS III	623.00	TON		\$	
0430	02545		CLEARING AND GRUBBING (APPROXIMATELY 92.48 ACRES)	1.00	LS		\$	
0440	02562		TEMPORARY SIGNS	460.00	SQFT		\$	
0450	02585		EDGE KEY	40.00	LF		\$	
0460	02603		FABRIC-GEOTEXTILE CLASS 2	64,848.00	SQYD		\$	
0470	02611		HANDRAIL-TYPE A-1	1,905.00	LF		\$	
0480	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0490	02651		DIVERSIONS (BY-PASS DETOURS) JOHNSON SHOP ROAD	1.00	LS		\$	
0500	02651		DIVERSIONS (BY-PASS DETOURS) KY-1016	1.00	LS		\$	
0510	02651		DIVERSIONS (BY-PASS DETOURS) KY-1617(BLUE LICK ROAD)	1.00	LS		\$	
0520	02651		DIVERSIONS (BY-PASS DETOURS) KY-1617(SHORT LINE PIKE)	1.00	LS		\$	
0530	02651		DIVERSIONS (BY-PASS DETOURS) KY-3376	1.00	LS		\$	
0540	02701		TEMP SILT FENCE	18,735.00	LF		\$	
0550	02703		SILT TRAP TYPE A	93.00	EACH		\$	
0560	02704		SILT TRAP TYPE B	93.00	EACH		\$	
0570	02705		SILT TRAP TYPE C	93.00	EACH		\$	
0580	02706		CLEAN SILT TRAP TYPE A	186.00	EACH		\$	
0590	02707		CLEAN SILT TRAP TYPE B	186.00	EACH		\$	
0600	02708		CLEAN SILT TRAP TYPE C	186.00	EACH		\$	
0610	02709		CLEAN TEMP SILT FENCE	37,470.00	LF		\$	
0620	02720		SIDEWALK-4 IN CONCRETE	167.00	SQYD		\$	
0630	02726		STAKING	1.00	LS		\$	
0640	02731		REMOVE STRUCTURE	1.00	LS		\$	
0650	03144		CONC MEDIAN BARRIER TYPE 9C1	100.00	LF		\$	
0660	05950		EROSION CONTROL BLANKET	25,505.00	SQYD		\$	
0670	05952		TEMP MULCH	447,598.00	SQYD		\$	
0680	05953		TEMP SEEDING AND PROTECTION	447,598.00	SQYD		\$	
0690	05963		INITIAL FERTILIZER	21.30	TON		\$	
0700	05964		MAINTENANCE FERTILIZER	21.30	TON		\$	
0710	05985		SEEDING AND PROTECTION	284,056.00	SQYD		\$	
0720	05989		SPECIAL SEEDING CROWN VETCH	31,643.00	SQYD		\$	
0730	05990		SODDING	15,809.00	SQYD		\$	
0740	05992		AGRICULTURAL LIMESTONE	3.27	TON		\$	
0750	06510		PAVE STRIPING-TEMP PAINT-4 IN	14,938.00	LF		\$	
0760	06514		PAVE STRIPING-PERM PAINT-4 IN	103,632.00	LF		\$	
0770	06530		PAVE STRIPING REMOVAL-4 IN	197.00	LF		\$	
0780	06540		PAVE STRIPING-THERMO-4 IN W	1,082.00	LF		\$	
0790	06541		PAVE STRIPING-THERMO-4 IN Y	1,082.00	LF		\$	
0800	06568		PAVE MARKING-THERMO STOP BAR-24IN	269.00	LF		\$	
0810	06570		PAVE MARKING-PAINT CROSS-HATCH	2,544.00	SQFT		\$	
0820	06574		PAVE MARKING-THERMO CURV ARROW	39.00	EACH		\$	
0830	06575		PAVE MARKING-THERMO COMB ARROW	23.00	EACH		\$	
0840	06588		PAVEMENT MARKER TY IVA-BY TEMP	138.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	06589		PAVEMENT MARKER TYPE V-MW	77.00	EACH		\$	
0860	06591		PAVEMENT MARKER TYPE V-BY	340.00	EACH		\$	
0870	06598		PAVEMENT MARKING REMOVAL	4,938.00	SQFT		\$	
0880	10020NS		FUEL ADJUSTMENT	226,644.00	DOLL	\$1.00	\$	\$226,644.00
0890	10030NS		ASPHALT ADJUSTMENT	138,632.00	DOLL	\$1.00	\$	\$138,632.00
0900	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	32,630.00	LF		\$	
0910	20458ES403		CENTERLINE RUMBLE STRIPS	16,315.00	LF		\$	
0920	21341ND		BOLLARDS	24.00	EACH		\$	
0930	23131ER701		PIPELINE VIDEO INSPECTION	11,975.00	LF		\$	
0940	23158ES505		DETECTABLE WARNINGS	44.00	SQFT		\$	
0950	23875NC		REMOVE THERMOPLASTIC ARROWS	16.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0960	00440		ENTRANCE PIPE-15 IN	488.00	LF		\$	
0970	00441		ENTRANCE PIPE-18 IN	140.00	LF		\$	
0980	00443		ENTRANCE PIPE-24 IN	354.00	LF		\$	
0990	00462		CULVERT PIPE-18 IN	265.00	LF		\$	
1000	00464		CULVERT PIPE-24 IN	460.00	LF		\$	
1010	00466		CULVERT PIPE-30 IN	149.00	LF		\$	
1020	00466		CULVERT PIPE-30 IN CMP NO ALTERNATE	12.00	LF		\$	
1030	00468		CULVERT PIPE-36 IN	324.00	LF		\$	
1040	00469		CULVERT PIPE-42 IN	526.00	LF		\$	
1050	00470		CULVERT PIPE-48 IN	125.00	LF		\$	
1060	00471		CULVERT PIPE-54 IN	153.00	LF		\$	
1070	00521		STORM SEWER PIPE-15 IN	9,516.00	LF		\$	
1080	00522		STORM SEWER PIPE-18 IN	1,452.00	LF		\$	
1090	01000		PERFORATED PIPE-4 IN	15,364.00	LF		\$	
1100	01010		NON-PERFORATED PIPE-4 IN	512.00	LF		\$	
1110	01024		PERF PIPE HEADWALL TY 2-4 IN	4.00	EACH		\$	
1120	01028		PERF PIPE HEADWALL TY 3-4 IN	33.00	EACH		\$	
1130	01032		PERF PIPE HEADWALL TY 4-4 IN	3.00	EACH		\$	
1140	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1150	01212		PIPE CULVERT HEADWALL-36 IN	2.00	EACH		\$	
1160	01214		PIPE CULVERT HEADWALL-42 IN	8.00	EACH		\$	
1170	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
1180	01432		SLOPED BOX OUTLET TYPE 1-15 IN	13.00	EACH		\$	
1190	01433		SLOPED BOX OUTLET TYPE 1-18 IN	3.00	EACH		\$	
1200	01434		SLOPED BOX OUTLET TYPE 1-24 IN	2.00	EACH		\$	
1210	01450		S & F BOX INLET-OUTLET-18 IN	6.00	EACH		\$	
1220	01451		S & F BOX INLET-OUTLET-24 IN	4.00	EACH		\$	
1230	01452		S & F BOX INLET-OUTLET-30 IN	1.00	EACH		\$	
1240	01453		S & F BOX INLET-OUTLET-36 IN	2.00	EACH		\$	
1250	01456		CURB BOX INLET TYPE A	88.00	EACH		\$	
1260	01490		DROP BOX INLET TYPE 1	1.00	EACH		\$	
1270	01511		DROP BOX INLET TYPE 5D	1.00	EACH		\$	
1280	24026EC		PIPE CULVERT HEADWALL-54 IN	2.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1290	24575ES610		HEADWALL (SLOPED & FLARED HDWL.)	10.00	EACH		\$	
1300	24575ES610		HEADWALL (SLOPED & FLARED HDWL.)	1.00	EACH		\$	
1310	24575ES610		HEADWALL (SLOPED & FLARED HDWL.)	2.00	EACH		\$	
1320	24575ES610		HEADWALL (SLOPED & FLARED HDWL.)	2.00	EACH		\$	
1330	24668EC		STEEL ENCASEMENT PIPE 12 IN	1,408.00	LF		\$	

Section: 0004 - BRIDGE-#25639

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1340	02231		STRUCTURE GRANULAR BACKFILL	202.00	CUYD		\$	
1350	02602		FABRIC-GEOTEXTILE CLASS 1	658.00	SQYD		\$	
1360	02603		FABRIC-GEOTEXTILE CLASS 2	164.00	SQYD		\$	
1370	02998		MASONRY COATING	1,363.80	SQYD		\$	
1380	08001		STRUCTURE EXCAVATION-COMMON	871.50	CUYD		\$	
1390	08002		STRUCTURE EXCAV-SOLID ROCK	192.10	CUYD		\$	
1400	08019		CYCLOPEAN STONE RIP RAP	767.00	TON		\$	
1410	08033		TEST PILES	54.00	LF		\$	
1420	08039		PRE-DRILLING FOR PILES	65.00	LF		\$	
1430	08046		PILES-STEEL HP12X53	377.00	LF		\$	
1440	08094		PILE POINTS-12 IN	26.00	EACH		\$	
1450	08100		CONCRETE-CLASS A	807.60	CUYD		\$	
1460	08104		CONCRETE-CLASS AA	1,278.60	CUYD		\$	
1470	08150		STEEL REINFORCEMENT	131,988.00	LB		\$	
1480	08151		STEEL REINFORCEMENT-EPOXY COATED	346,901.00	LB		\$	
1490	08160		STRUCTURAL STEEL 2,294 LBS	1.00	LS		\$	
1500	08500		APPROACH SLAB	332.00	SQYD		\$	
1510	08634		PRECAST PC I BEAM TYPE 4	4,277.00	LF		\$	
1520	23849EC		BICYCLE RAIL	541.00	LF		\$	

Section: 0005 - BRIDGE-CULVERT-#25753

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1530	08002		STRUCTURE EXCAV-SOLID ROCK	145.00	CUYD		\$	
1540	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1550	08100		CONCRETE-CLASS A	254.00	CUYD		\$	
1560	08150		STEEL REINFORCEMENT	22,335.00	LB		\$	

Section: 0006 - BRIDGE-CULVERT-#25752

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1570	08002		STRUCTURE EXCAV-SOLID ROCK	298.00	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1580	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1590	08100		CONCRETE-CLASS A	559.00	CUYD		\$	
1600	08150		STEEL REINFORCEMENT	53,473.00	LB		\$	

Section: 0007 - BRIDGE-CULVERT-#25682

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1610	02403		REMOVE CONCRETE MASONRY	22.00	CUYD		\$	
1620	08002		STRUCTURE EXCAV-SOLID ROCK	46.00	CUYD		\$	
1630	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1640	08100		CONCRETE-CLASS A	104.00	CUYD		\$	
1650	08150		STEEL REINFORCEMENT	13,143.00	LB		\$	

Section: 0008 - BRIDGE-CULVERT-#25640

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	08002		STRUCTURE EXCAV-SOLID ROCK	85.00	CUYD		\$	
1670	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1680	08100		CONCRETE-CLASS A	158.00	CUYD		\$	
1690	08150		STEEL REINFORCEMENT	15,286.00	LB		\$	

Section: 0009 - BRIDGE-CULVERT-#25684

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1700	08002		STRUCTURE EXCAV-SOLID ROCK	89.00	CUYD		\$	
1710	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1720	08100		CONCRETE-CLASS A	168.00	CUYD		\$	
1730	08150		STEEL REINFORCEMENT	19,933.00	LB		\$	

Section: 0010 - BRIDGE-CULVERT-#25683

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1740	08002		STRUCTURE EXCAV-SOLID ROCK	69.00	CUYD		\$	
1750	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1760	08100		CONCRETE-CLASS A	139.00	CUYD		\$	
1770	08150		STEEL REINFORCEMENT	24,077.00	LB		\$	

Section: 0011 - BRIDGE-CULVERT-#25755

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1780	08002		STRUCTURE EXCAV-SOLID ROCK	608.00	CUYD		\$	
1790	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1800	08100		CONCRETE-CLASS A	1,068.00	CUYD		\$	
1810	08150		STEEL REINFORCEMENT	82,711.00	LB		\$	

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Section: 0012 - BRIDGE-CULVERT-#25754

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1820	08002		STRUCTURE EXCAV-SOLID ROCK	93.00	CUYD		\$	
1830	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1840	08100		CONCRETE-CLASS A	192.00	CUYD		\$	
1850	08150		STEEL REINFORCEMENT	19,949.00	LB		\$	

Section: 0013 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1860	05985		SEEDING AND PROTECTION	510.00	SQYD		\$	
1870	15000		S BYPASS PUMPING STA. 12+05.25	1.00	EACH		\$	
1880	15000		S BYPASS PUMPING STA. 12+91.18	1.00	EACH		\$	
1890	15000		S BYPASS PUMPING STA. 14+82.77	1.00	EACH		\$	
1900	15000		S BYPASS PUMPING STA. 16+55	1.00	EACH		\$	
1910	15012		S ENCASEMENT CONCRETE	80.00	LF		\$	
1920	15092		S MANHOLE	13.00	EACH		\$	
1930	15093		S MANHOLE ABANDON/REMOVE	7.00	EACH		\$	
1940	15112		S PIPE PVC 08 INCH	850.00	LF		\$	
1950	15114		S PIPE PVC 12 INCH	195.00	LF		\$	
1960	15140		S PIPE PVC 30 INCH	461.00	LF		\$	
1970	15504		S ENCASEMENT STEEL OPEN CUT RANGE 4 INST	342.00	LF		\$	
1980	15506		S ENCASEMENT STEEL OPEN CUT RANGE 6 INST	132.00	LF		\$	

Section: 0014 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1990	06407		SBM ALUM SHEET SIGNS .125 IN	892.38	SQFT		\$	
2000	06410		STEEL POST TYPE 1 2 1/2" POST	48.00	LF		\$	
2010	06410		STEEL POST TYPE 1 2" POST	1,248.00	LF		\$	
2020	06490		CLASS A CONCRETE FOR SIGNS	3.50	CUYD		\$	
2030	21596ND		GMSS TYPE D	12.00	EACH		\$	
2040	24631EC		BARCODE SIGN INVENTORY	219.00	EACH		\$	

Section: 0015 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2050	04792		CONDUIT-1 IN	10.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2060	04793		CONDUIT-1 1/4 IN	40.00	LF		\$	
2070	04811		ELECTRICAL JUNCTION BOX TYPE B	1.00	EACH		\$	
2080	04820		TRENCHING AND BACKFILLING	40.00	LF		\$	
2090	04830		LOOP WIRE	1,050.00	LF		\$	
2100	04844		CABLE-NO. 14/5C	1,843.00	LF		\$	
2110	04850		CABLE-NO. 14/1 PAIR	1,098.00	LF		\$	
2120	04895		LOOP SAW SLOT AND FILL	420.00	LF		\$	
2130	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	6.00	EACH		\$	
2140	20188NS835		INSTALL LED SIGNAL-3 SECTION	11.00	EACH		\$	
2150	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
2160	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

Section: 0016 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2170	05985		SEEDING AND PROTECTION	331.00	SQYD		\$	
2180	14003		W CAP EXISTING MAIN	1.00	EACH		\$	
2190	14017		W ENCASEMENT STEEL OPEN CUT RANGE 6	102.00	LF		\$	
2200	14019		W FIRE HYDRANT ASSEMBLY	1.00	EACH		\$	
2210	14037		W PIPE DUCTILE IRON 08 INCH	8.00	LF		\$	
2220	14040		W PIPE DUCTILE IRON 16 INCH	102.00	LF		\$	
2230	14098		W TIE-IN 16 INCH	2.00	EACH		\$	
2240	14109		W VALVE 16 INCH	2.00	EACH		\$	
2250	14159		W PIPE DUCTILE IRON 14 INCH	744.00	LF		\$	
2260	14160		W TIE-IN 14 INCH	4.00	EACH		\$	
2270	14162		W VALVE 14 INCH	2.00	EACH		\$	

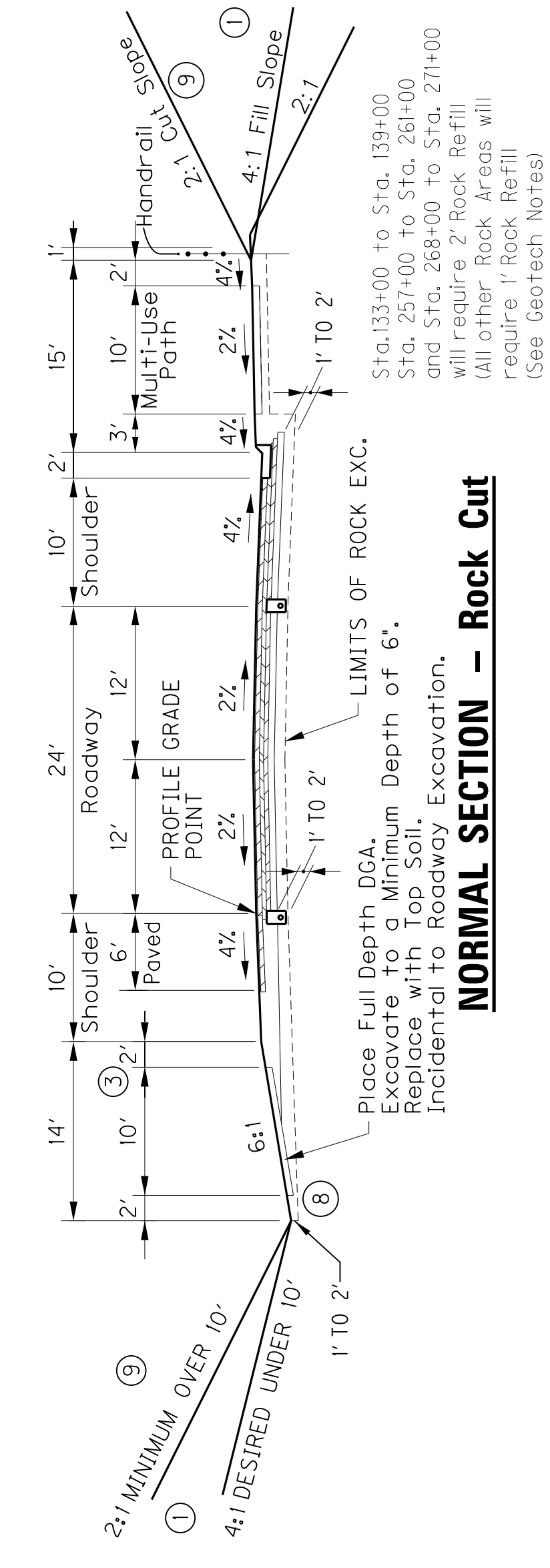
Section: 0017 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2280	02568		MOBILIZATION	1.00	LS		\$	
2290	02569		DEMOBILIZATION	1.00	LS		\$	

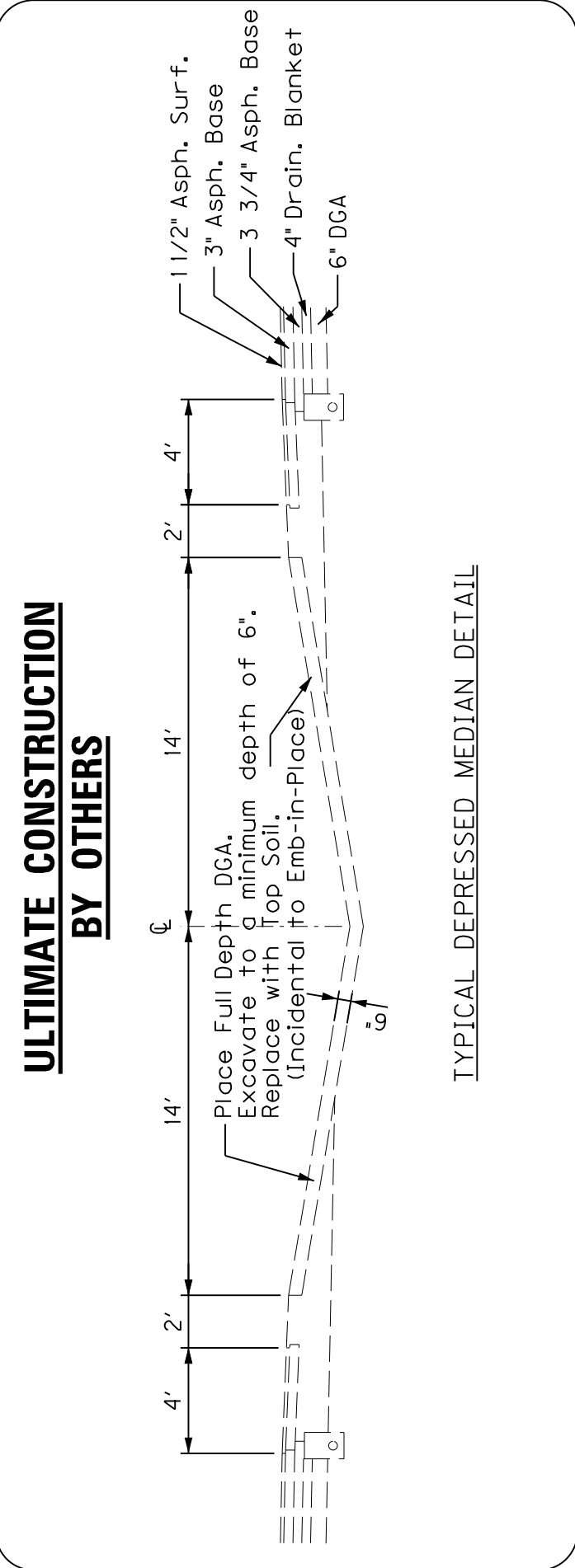
TYPICAL SECTIONS (MAINLINE)

STA. 101 +50 to STA. 168 +50
BEREA BYPASS

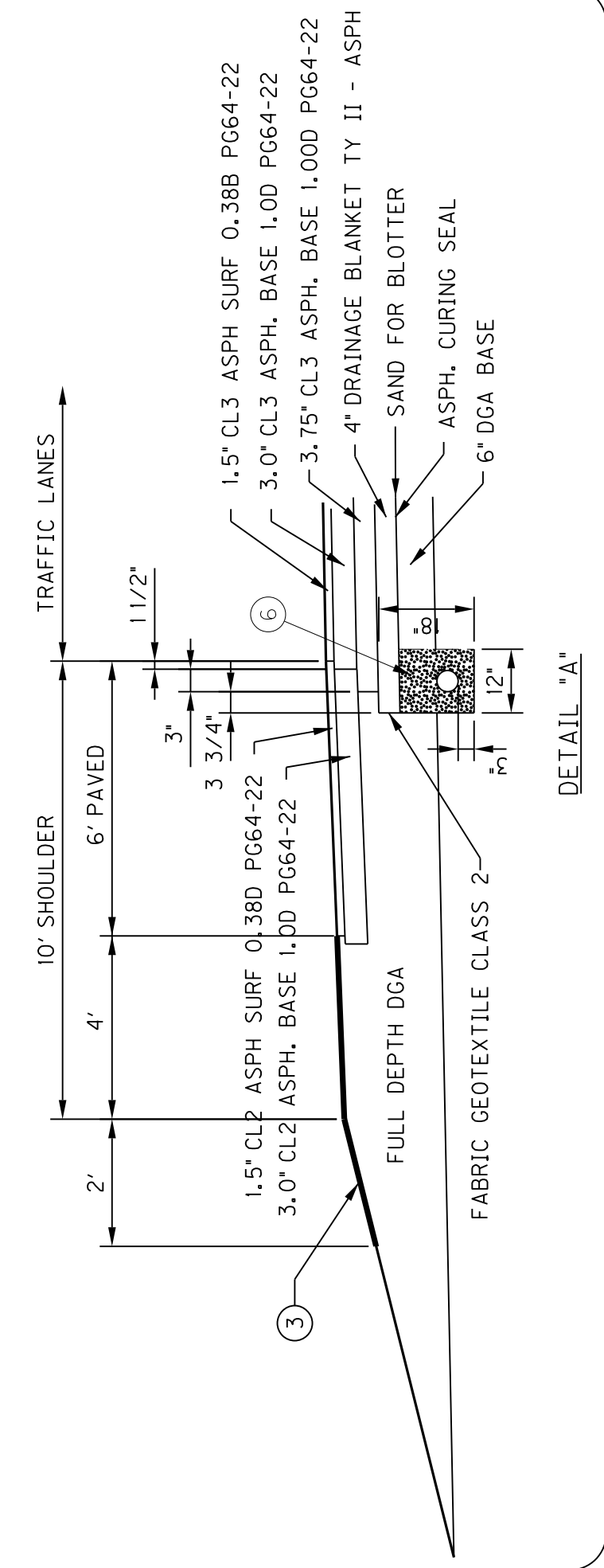
COUNTY OF	ITEM NO.	SHEET NO.
MADISON	7-192.20	R2



NORMAL SECTION - Rock Cut

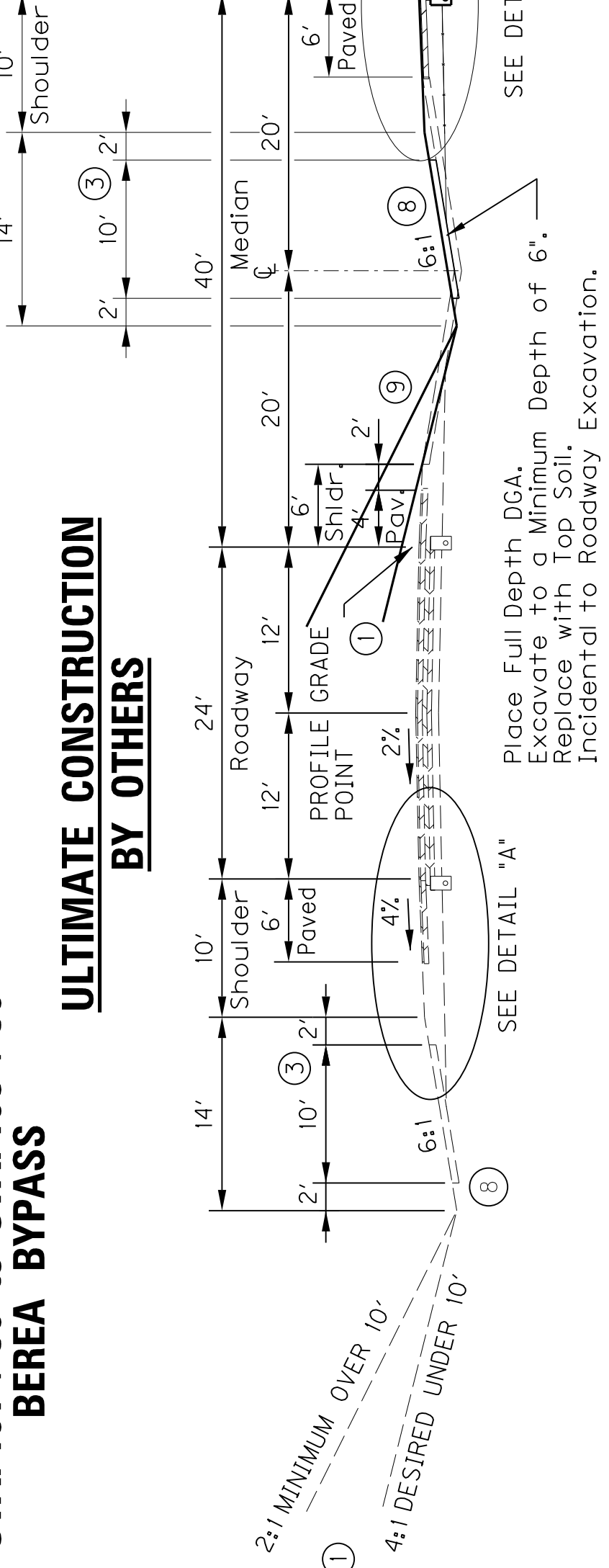


TYPICAL DEPRESSED MEDIAN DETAIL

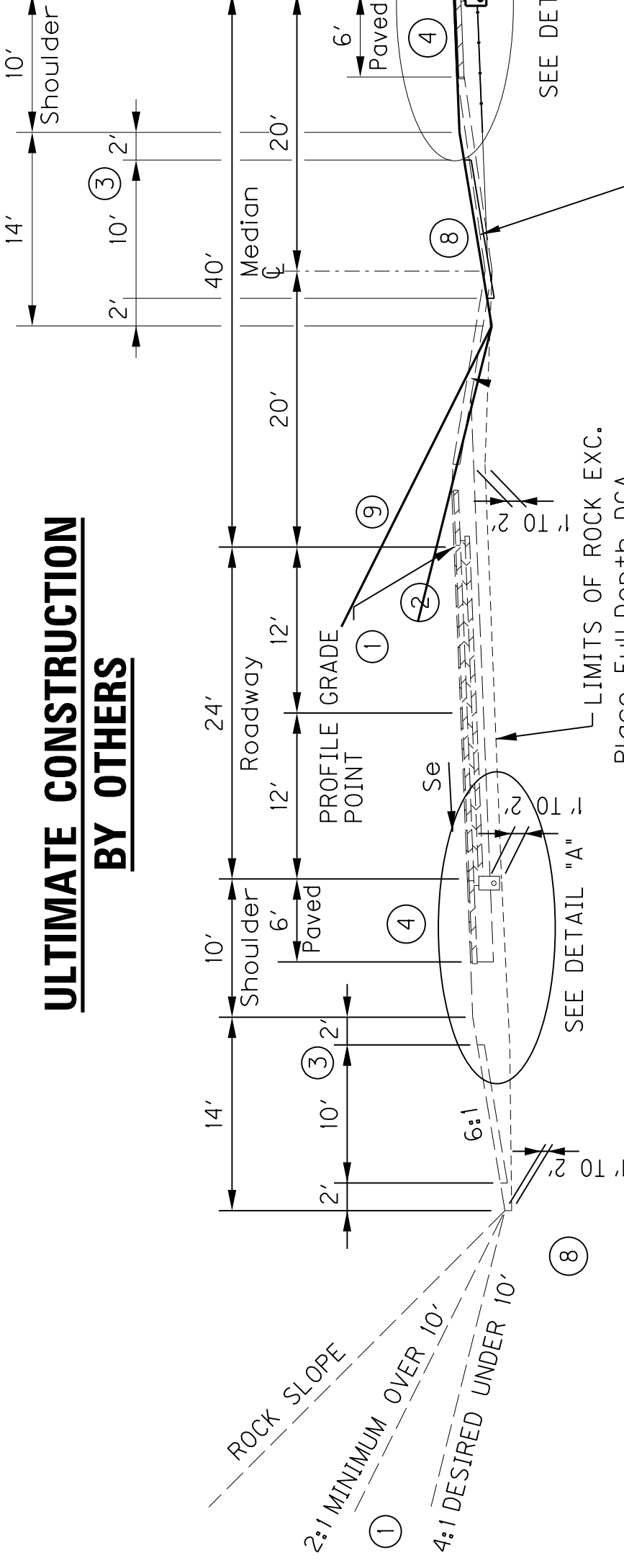


LONGITUDINAL PAVEMENT EDGE DRAIN

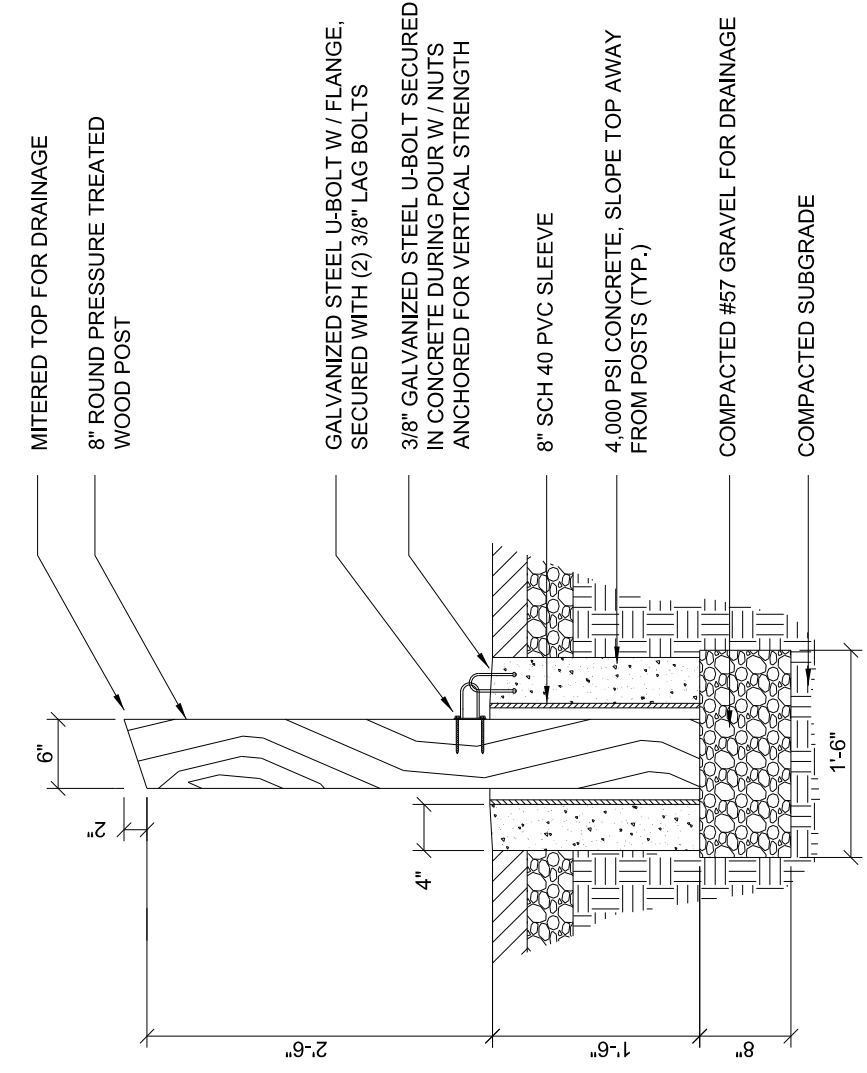
- (1) All longitudinal drainage systems for the pavement drainage blanket shall outlet to a headwall, median box inlet, ditch box or curb box inlet. Outlet spacing shall not exceed 500 feet except for grades of 1% or less. All segs shall have an outlet, shall not exceed 250 feet. All segs shall have an outlet, the design engineer shall spot these on the plan, or in the proposal.
- (2) These items are incidental to the unit bid price per foot of perforated pipe.



NORMAL SECTION - Earth Cut/Fill



Rock Cut



SUPERELEVATION SECTION

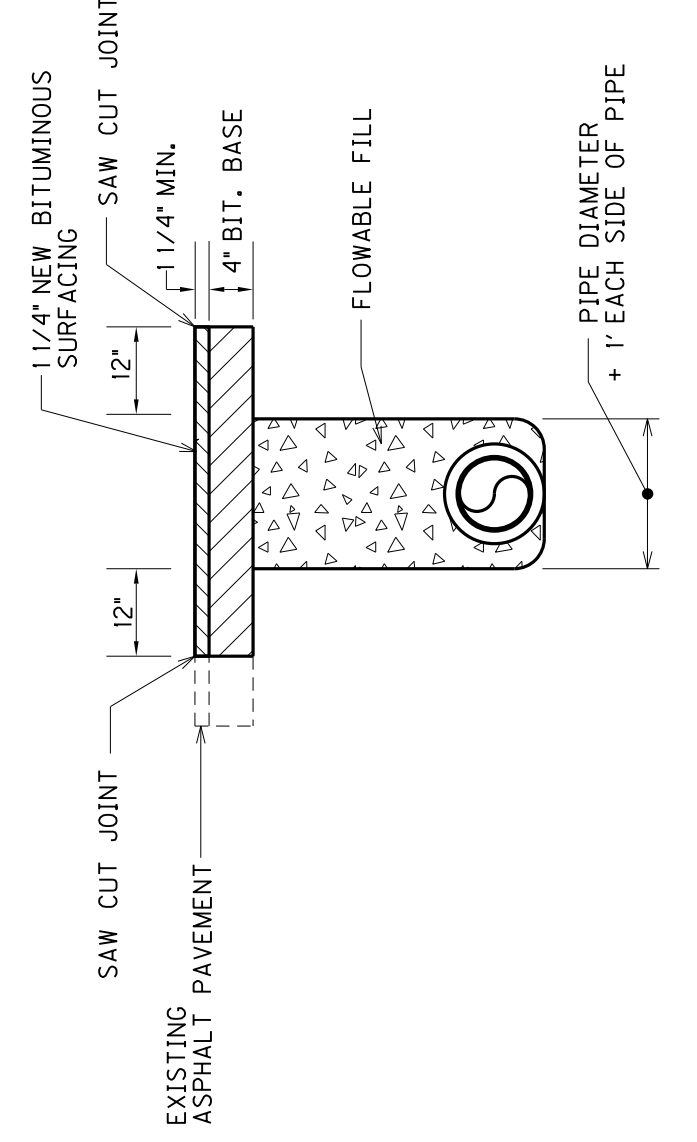
Earth Cut/Fill

- NOTES
- (1) SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - (2) SEE PLAN SHEETS FOR PROFILE GRADE POINT TRANSITIONS.
 - (3) ASPHALT SEAL REQUIRED FROM PAVED SHOULDER TO A POINT 2' DOWN SLOPE. (Left Side)
 - (4) SUPERELEVATED SHOULDER SHALL BE CONSTRUCTED TO STANDARD SUPERELEVATION BUT NOT FLATTER THAN THE SLOPES INDICATED FOR NORMAL SHOULDERS.
 - (5) NOT USED
 - (6) CRUSHED AGGREGATE SIZE #57
 - (7) NOT USED
 - (8) TOP SOIL INCIDENTAL TO ROADWAY EXCAVATION.
 - (9) SEE CROSS-SECTIONS FOR BENCHING
 - (10) SEE CROSS SECTION STA. 191+50 TO STA. 195+00 UNDER CUT FOR SIGHT DISTANCE.

NEW CONSTRUCTION : GRADE, DRAIN, & FLEXIBLE PAVEMENT USING

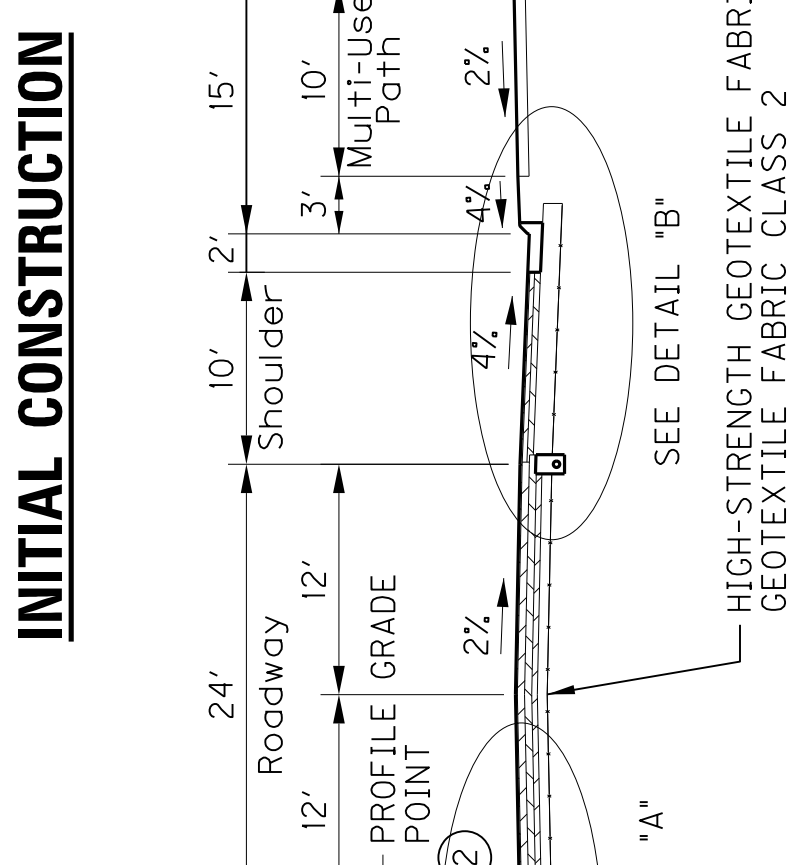
- HIGH STRENGTH GEOTEXTILE FABRIC OR GEOGRID/GEOTEXTILE FABRIC CLASS 2
- 6\"/>
- ASPHALT CURING SEAL (2.0 lb/sq. yd.)
- SAND FOR BLOTTER (5.0 lb/sq. yd.)
- 4\"/>
- 3.75\"/>
- 1.5\"/>
- 1.5\"/>
- 1.5\"/>
- 3.0\"/>
- 1.5\"/>
- 3\"/>
- 1.5\"/>
- 6.5\"/>
- 1.5\"/>

REMOVABLE BOLLARDS

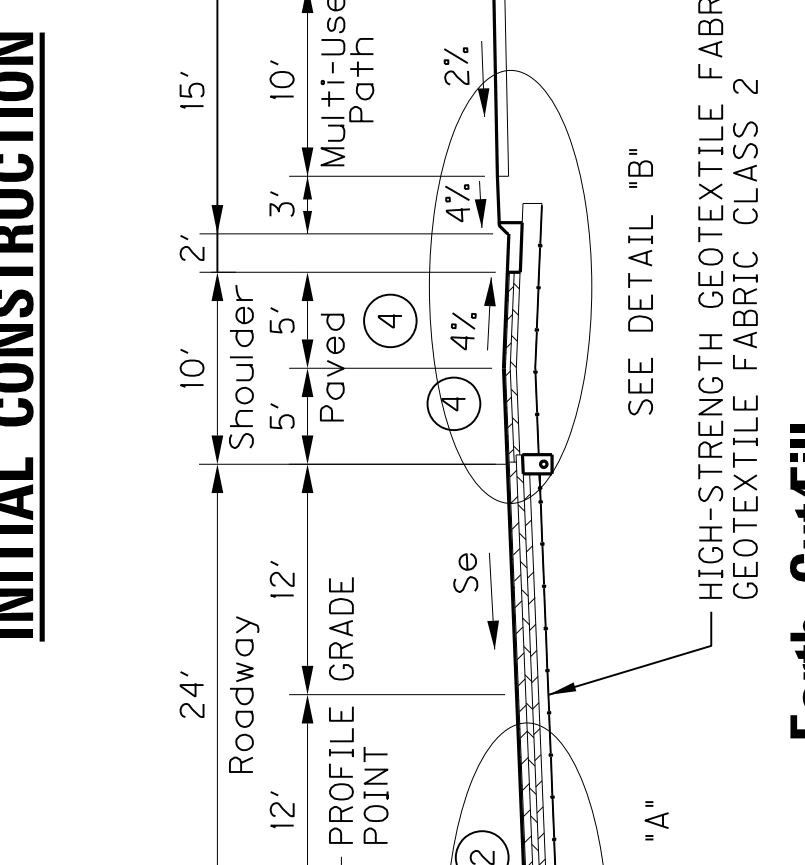


SAW CUT AND FLOWABLE FILL INCIDENTAL TO PIPE BACKFILL & BEDDING IN PAVED AREAS

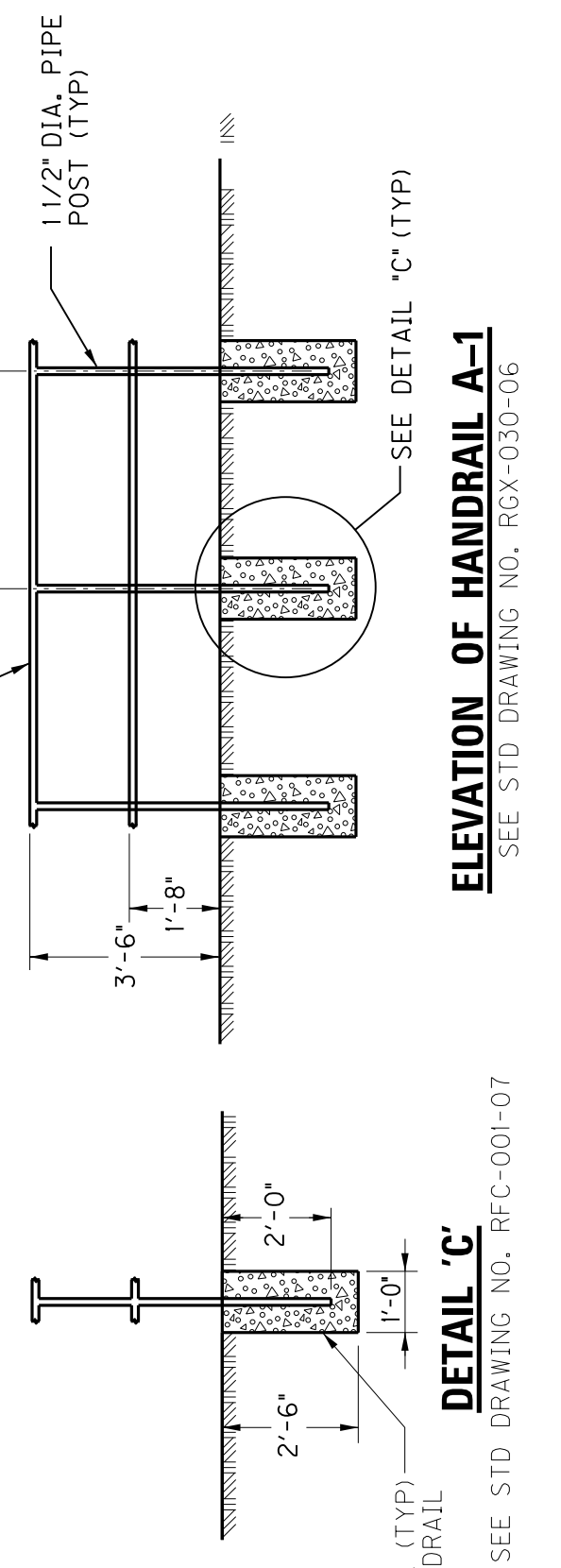
INITIAL CONSTRUCTION



INITIAL CONSTRUCTION



Earth Cut/Fill



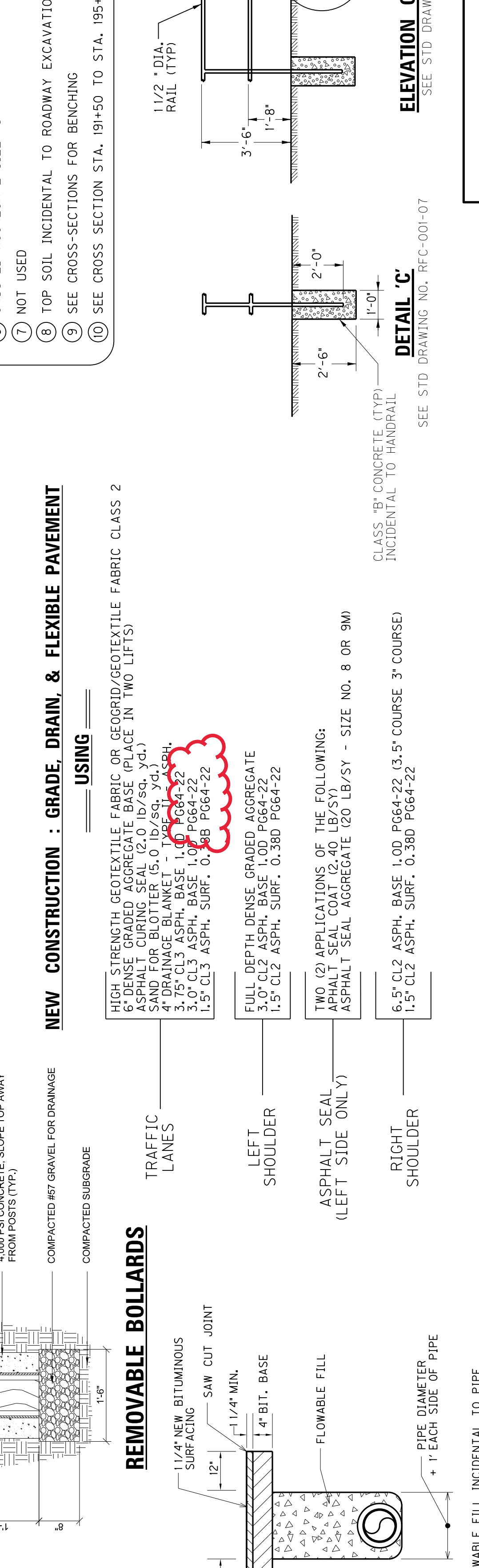
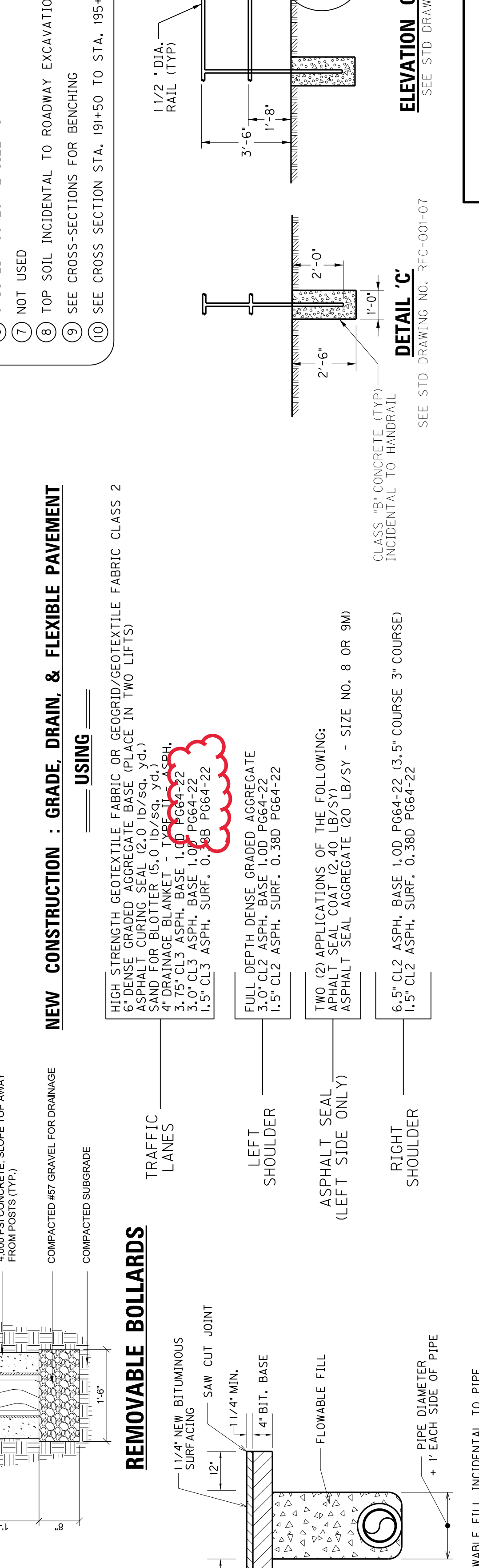
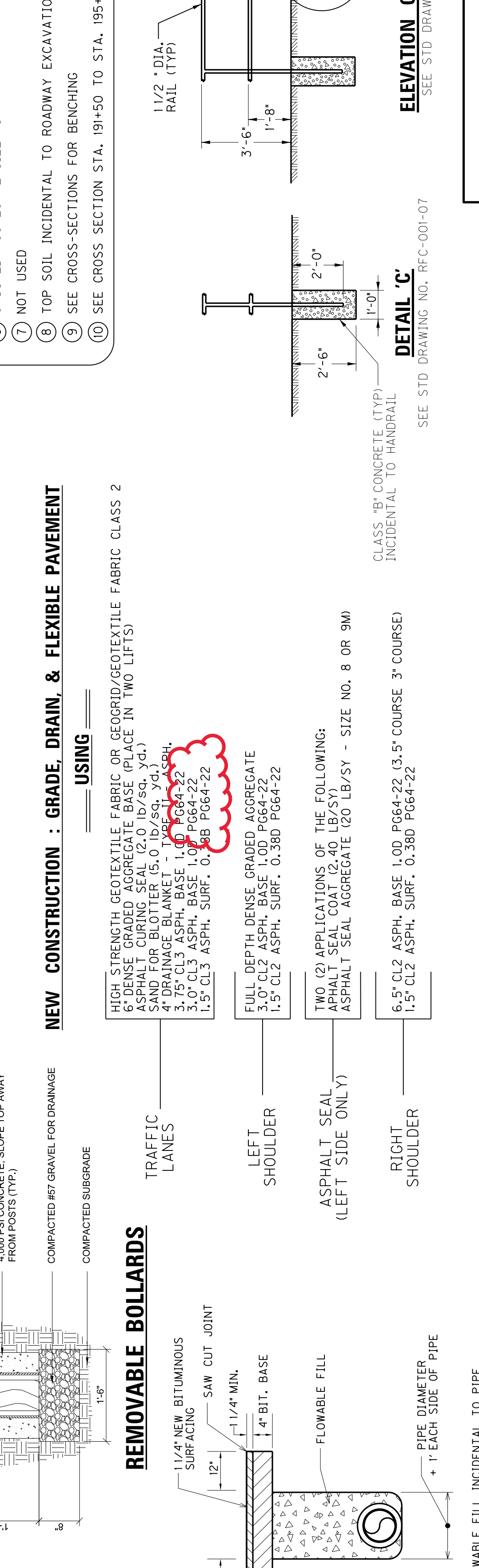
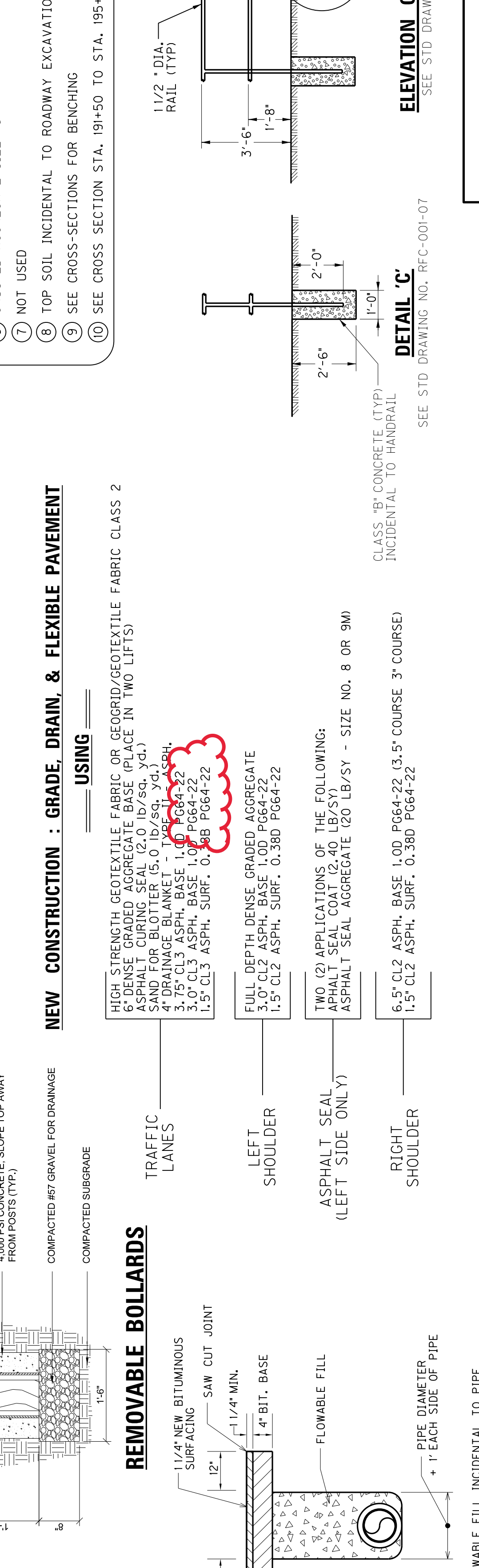
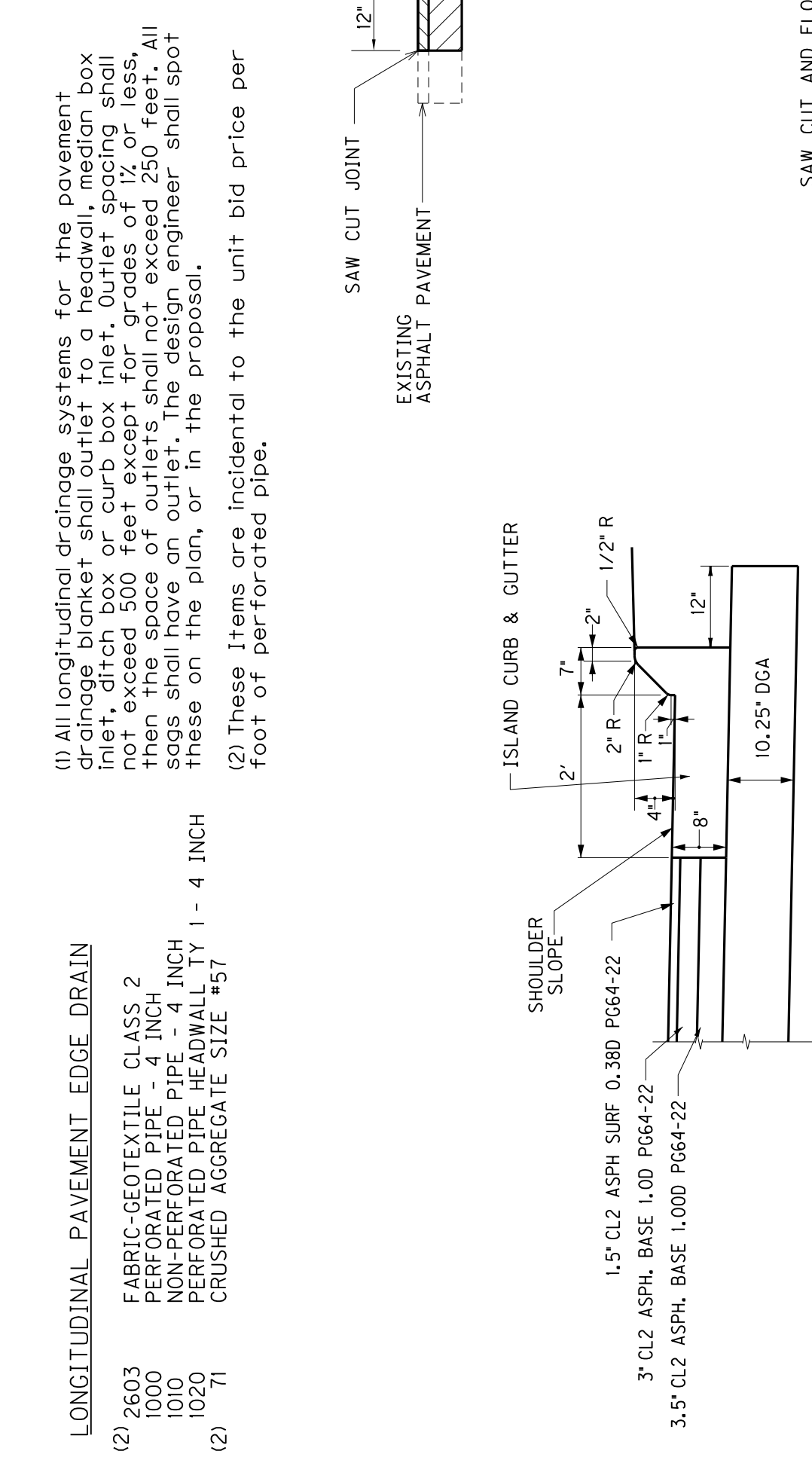
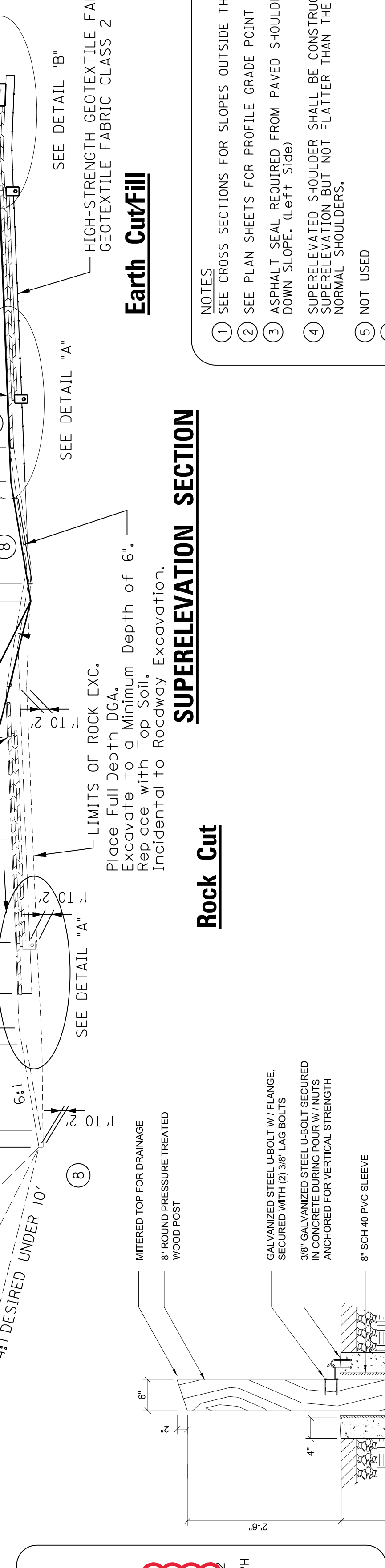
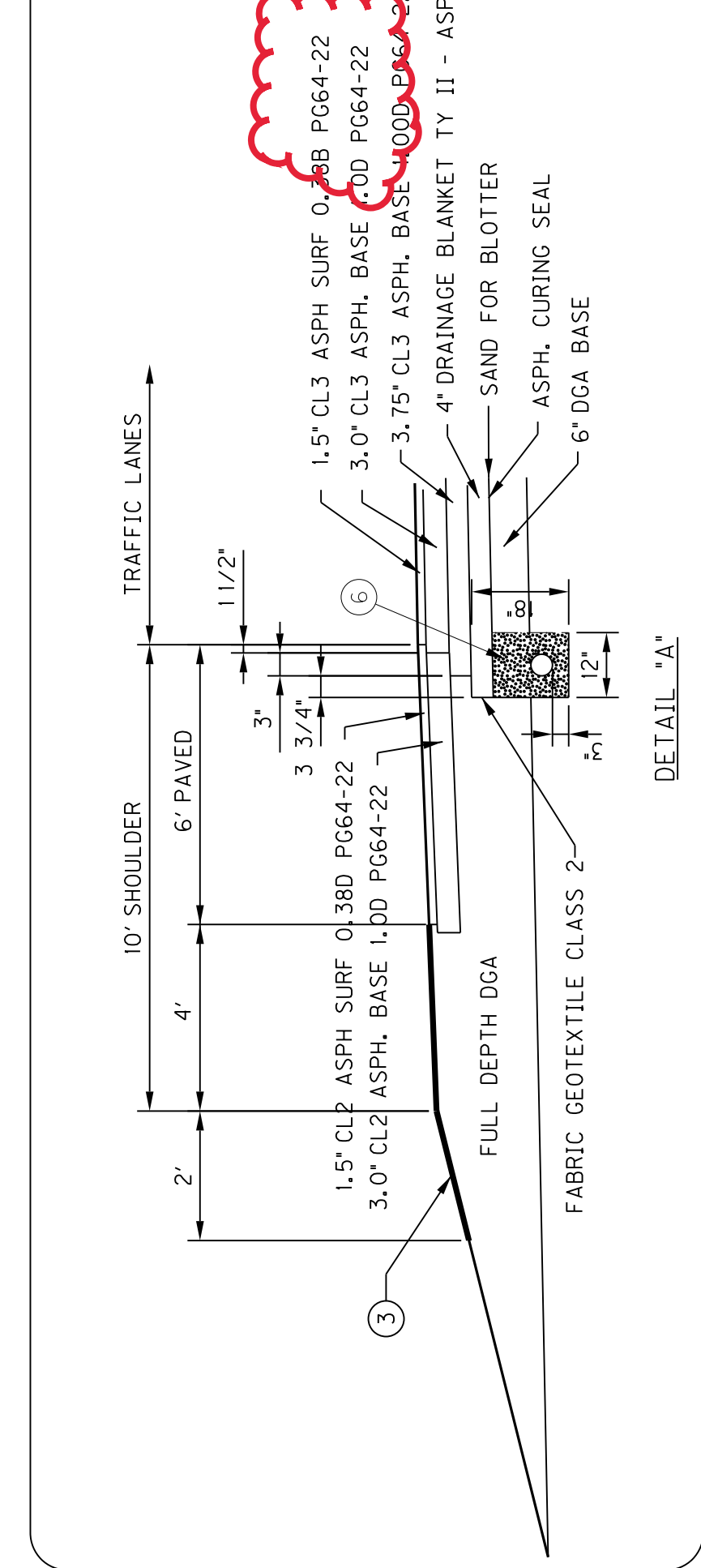
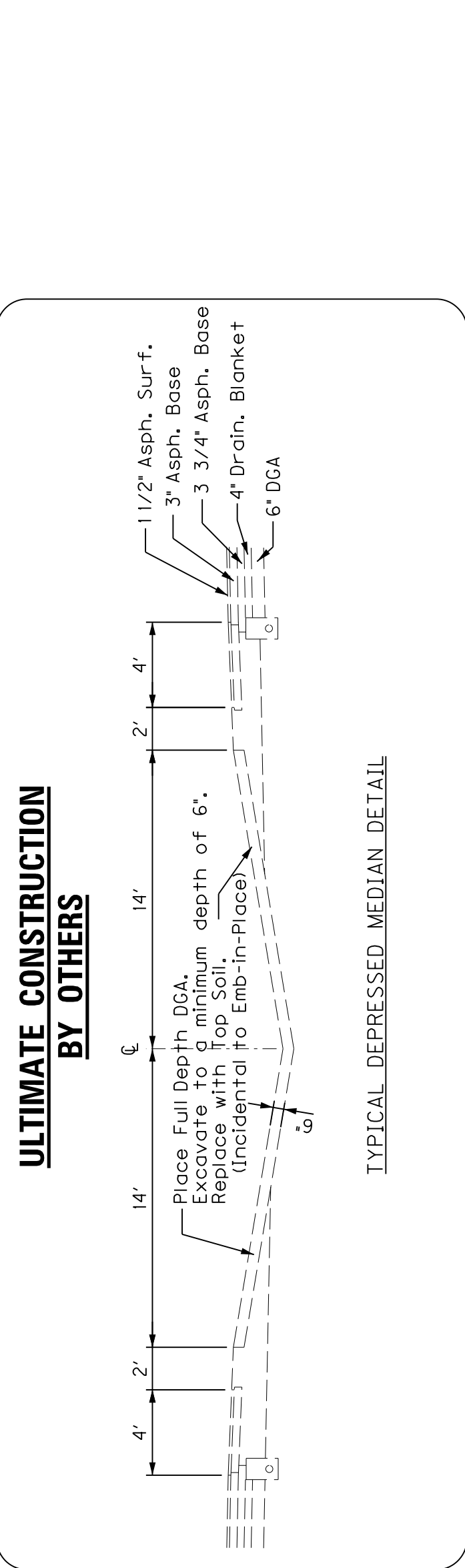
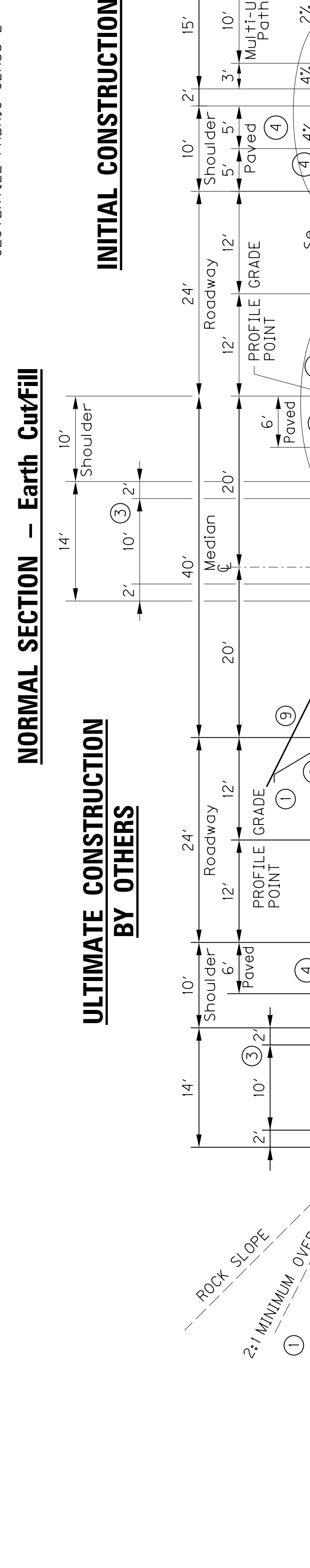
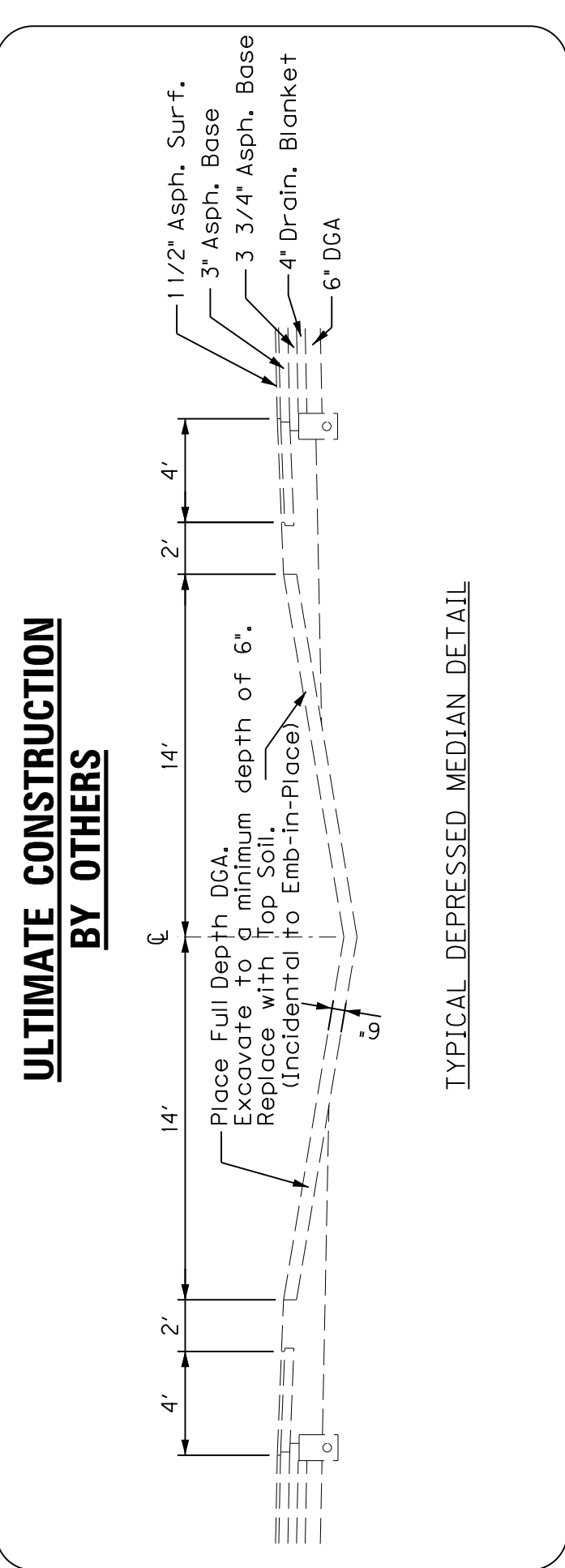
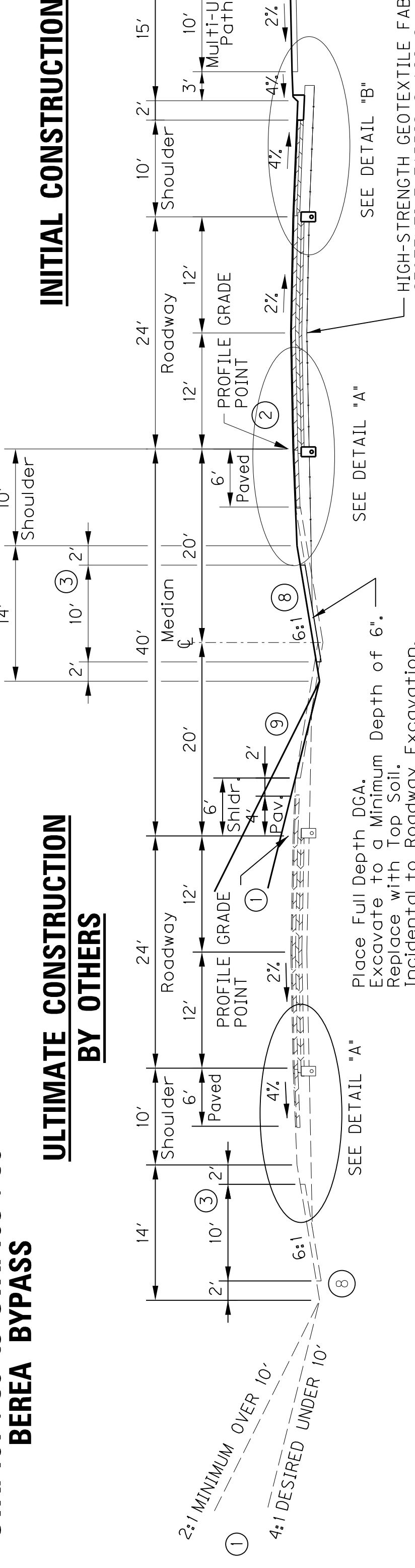
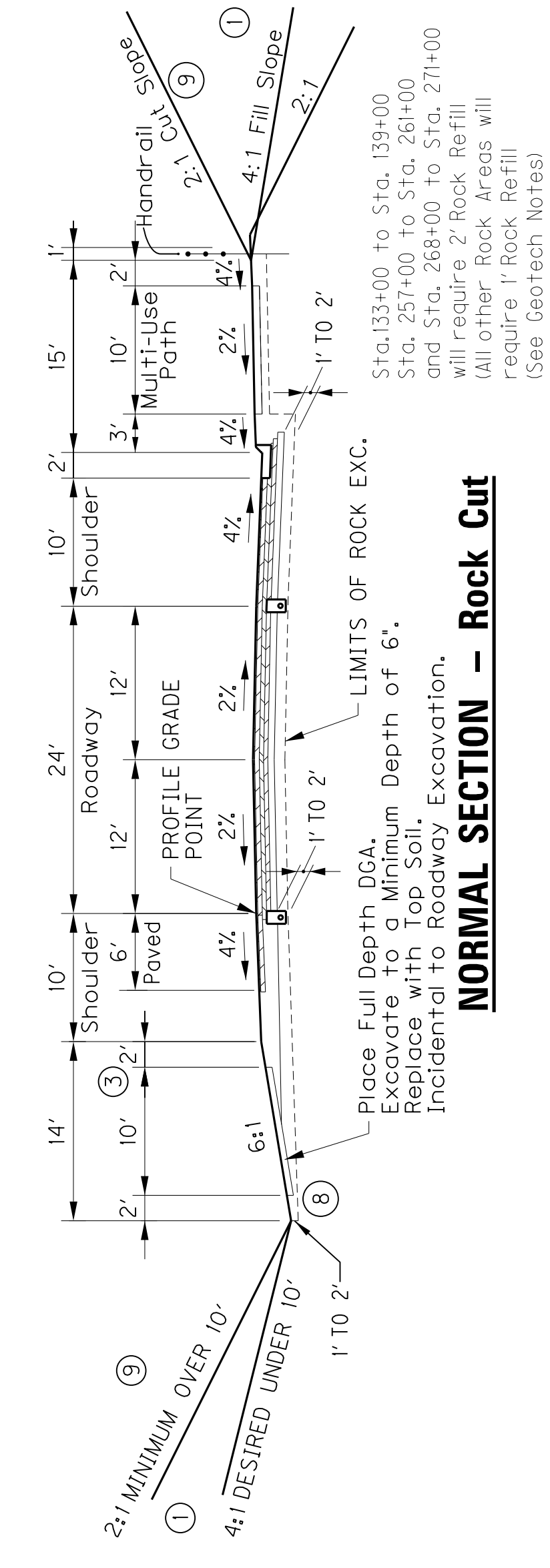
SCALE: NTS

TYPICAL SECTIONS MAINLINE

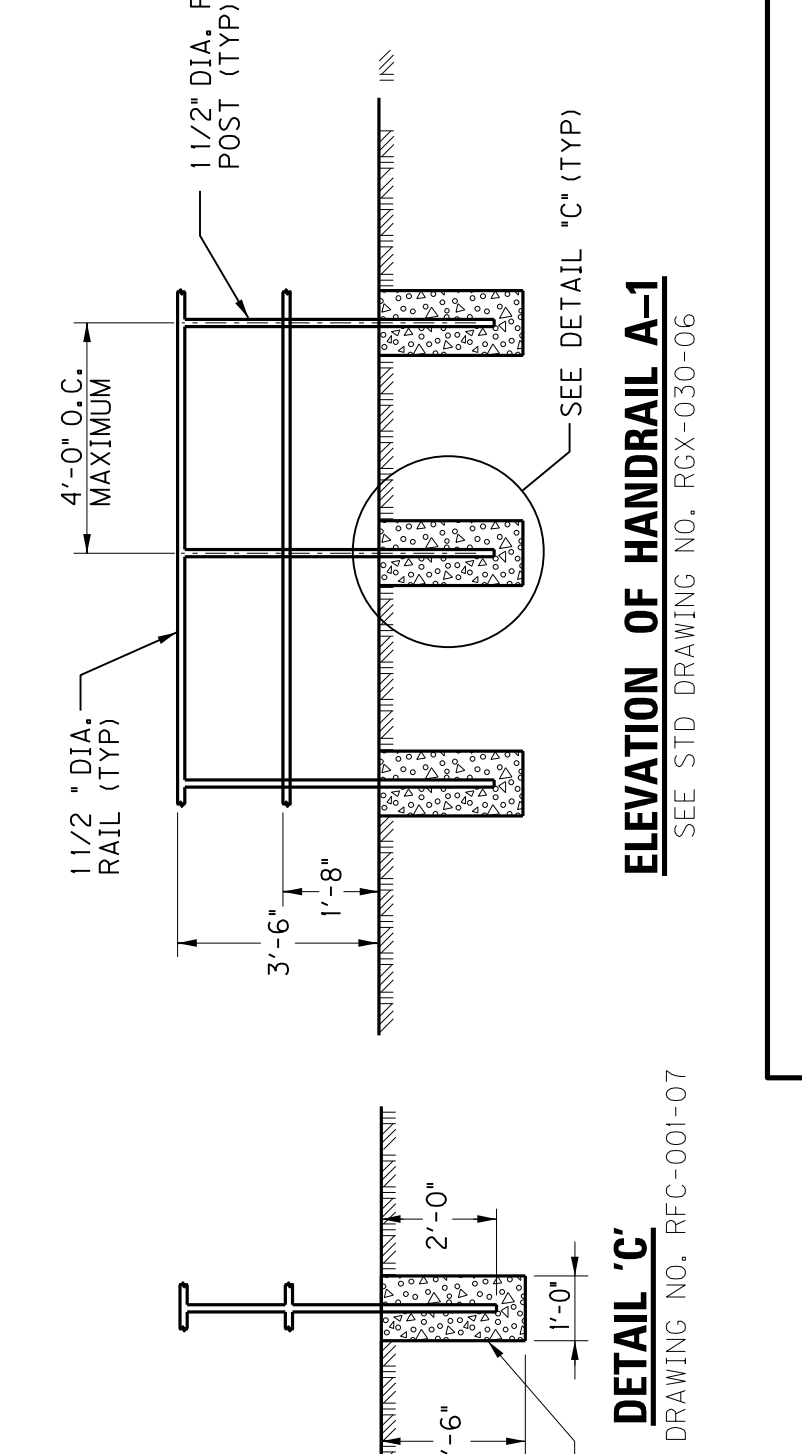
TYPICAL SECTIONS (MAINLINE)

STA. 101 +50 to STA. 168 +50
BEREA BYPASS

COUNTY OF	ITEM NO.	SHEET NO.
MADISON	7-192.20	R2



- NOTES**
- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 - SEE PLAN SHEETS FOR PROFILE GRADE POINT TRANSITIONS.
 - ASPHALT SEAL REQUIRED FROM PAVED SHOULDER TO A POINT 2' DOWN SLOPE. (Left Side)
 - SUPERELEVATED SHOULDER SHALL BE CONSTRUCTED TO STANDARD SUPERELEVATION BUT NOT FLATTER THAN THE SLOPES INDICATED FOR NORMAL SHOULDERS.
 - NOT USED
 - CRUSHED AGGREGATE SIZE #57
 - NOT USED
 - TOP SOIL INCIDENTAL TO ROADWAY EXCAVATION.
 - SEE CROSS-SECTIONS FOR BENCHING
 - SEE CROSS SECTION STA. 191+50 TO STA. 195+00 UNDER CUT FOR SIGHT DISTANCE.



USING

HIGH STRENGTH GEOTEXTILE FABRIC OR GEOGRID/GEOTEXTILE FABRIC CLASS 2

6" DENSE GRADED AGGREGATE BASE (PLACE IN TWO LIFTS)

ASPHALT CURING SEAL (2.0 lb/sq. yd.)

SAND FOR BLOTTER (5.0 lb/sq. yd.)

4" DRAINAGE BLANKET - TYPE PG64-22

3.75" CL3 ASPH. BASE 1.00 PG64-22

3.0" CL3 ASPH. SURF. 0.380 PG64-22

1.5" CL3 ASPH. SURF. 0.380 PG64-22

FULL DEPTH DENSE GRADED AGGREGATE

3.0" CL2 ASPH. BASE 1.00 PG64-22

1.5" CL2 ASPH. SURF. 0.380 PG64-22

TWO (2) APPLICATIONS OF THE FOLLOWING:

ASPHALT SEAL COAT (2.40 LB/SY)

ASPHALT SEAL AGGREGATE (20 LB/SY - SIZE NO. 8 OR 9M)

6.5" CL2 ASPH. BASE 1.00 PG64-22 (3.5" COURSE 3" COURSE)

1.5" CL2 ASPH. SURF. 0.380 PG64-22

ITEMS AND QUANTITIES SHOWN ARE FOR THE INITIAL CONSTRUCTION.
ULTIMATE CONSTRUCTION IS TO BE DONE BY OTHERS.

ITEM CODE	ITEM	UNIT	TOTAL PROJECT
00001	DGA BASE	TON	89,860
00018	DRAINAGE BLANKET-TYPE II-ASPH	TON	11,883
00020	TRAFFIC BOUND BASE	TON	174
00078	CRUSHED AGGREGATE SIZE NO 2's, 3's, or 23's	TON	65,111
00100	ASPHALT SEAL AGGREGATE	TON	269
00103	ASPHALT SEAL COAT	TON	32
00194	LEVELLING & WEDGING PG76-22	TON	256
00212	CL2 ASPH BASE 1,000 PG64-22	TON	9,425
00214	CL3 ASPH BASE 1,000 PG64-22	TON	22,587
00221	CL2 ASPH BASE 0.750 PG64-22	TON	4,857
00301	CL2 ASPH SURF 0.380 PG64-22	TON	2,792
00307	CL2 ASPH SURF 0.388 PG64-22	TON	5,338
00358	ASPHALT CURING SEAL	TON	59
00388	CL3 ASPH SURF 0.388 PG64-22	TON	5,115
02061	PCC BASE-6 IN (FOR TRENCH)	SOYD	41
02603	FABRIC-GEOTEXTILE CLASS 2	SOYD	78,767
02702	SAND FOR BLOTTER	TON	147
00356	ASPHALT MATERIAL FOR TACK	TON	106
24276EC	SUBGRADE REINFORCEMENT	SOYD	129,204

NOTES

- ① ESTIMATED AT 2 LBS. PER SQ. YD.
- ② ESTIMATED AT 2.4 LBS. PER SQ. YD.
- ③ ESTIMATED AT 10 LBS. PER SQ. YD.
- ④ ESTIMATED AT 110 LBS. PER SQ. YD.
- ⑤ ESTIMATED AT 20 LBS. PER SQ. YD. (# 8's)
- ⑥ ESTIMATED AT 20 LBS. PER SQ. YD. (# 8's)
- ⑦ INCLUDES 3.82 TONS 1 1/4" ASPH. SURFACE FOR PIPE TRENCH
- ⑧ INCLUDES 12-22 TONS 4" BASE FOR PIPE TRENCH
- ⑨ ESTIMATED AT 100 LBS. PER SQ. YD.
- ⑩ FOR USE IN THE STABILIZATION OF ROADWAY SUBGRADE, EXISTING PONDS, AND FOR USE AS A WORKING PLATFORM (SEE GEOTECHNICAL NOTES FOR PLACEMENT). INCLUDES 18,667 TON FOR SOFT SPOT, 2,339 TON FOR PONDS & 8,213 TON FOR WORKING PLATFORM.
- ⑪ SEE GEOTECHNICAL NOTES FOR PLACEMENT.
- ⑫ FOR MAINLINE SUBGRADE. SEE TYPICAL SECTION FOR ACCEPTABLE TYPES.
- ⑬ SEE GENERAL SUMMARY FOR FABRIC-GEOTEXTILE TYPE 2 QUANTITY.
- ⑭ INCLUDES 40 TONS AGGREGATE #2 FOR PERF. PIPE HDWLS.
- ⑮ INCLUDES 3259 C. Y. (10%) TOLERANCE ON ROCK SUBGRADE.

PAVING SUMMARY

ITEM	MAINLINE	SHOULDERS	KY 3376	KY 1016	JOHNSON SHOP RD.	KY 1617	SHORTLINE PIKE	CONNECTOR RD. NO. 1	CONNECTOR RD. NO. 2	ACCESS ROAD	ENTRANCES	KY 21	DIVERSION KY 3376	DIVERSION KY 1016	DIVERSION JOHNSON SHOP RD.	DIVERSION KY 1617	MULTI-USE PATH	TOTAL PROJECT
1.5' Asph. Surface CL3 0.388 PG64-22	58,904	-	-	-	-	-	-	-	-	-	-	3,100	-	-	-	-	-	62,004
3.00' Asph. Surface CL2 0.388 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,801
1.5' Asph. Surface CL2 0.380 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,189
1.5' Asph. Surface CL2 0.388 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24,331
3.75' Asph. Base CL3 1.00 PG64-22	60,946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,946
1.5' Levelling & Wedging PG64-22	-	-	-	-	-	-	-	-	-	-	-	3,100	-	-	-	-	-	3,100
4.0' Asph. Base CL3 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	966	-	-	-	-	-	966
3.0' Asph. Base CL3 1.00 PG64-22	59,348	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59,348
2' Asph. Base CL2 0.750 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,365
3' Asph. Base CL2 0.750 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21,859
3' Asph. Base CL2 1.00 PG64-22	19,989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,989
3.5' Asph. Base CL2 1.00 PG64-22	19,989	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,989
3.0' Asph. Base CL2 1.00 PG64-22	13,812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,812
4' Dense Graded Aggregate Material	62,544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62,544
4' Dense Graded Aggregate Material	25,243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,243
6' Dense Graded Aggregate Material	3,542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,542
6' Dense Graded Aggregate Material	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
8' Dense Graded Aggregate Material	5,683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,683
8.25' Dense Graded Aggregate Material (curb & gutter)	314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	314
10' Dense Graded Aggregate Material	6,870	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,870
13' Dense Graded Aggregate Material	4,970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,970
10.25' Dense Graded Aggregate Material (shldr / curb & gutter)	26,723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,723
14.5' Dense Graded Aggregate Material (for wedge and shoulder)	43,577	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,577
6' Traffic Bound Base (TBB)	579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	579
Concrete Entrance Pavement - 8 Inch	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94
PCC BASE-6 IN (FOR TRENCH)	40,333	-	-	-	-	-	-	-	-	-	-	13,333	-	-	-	-	-	40,333
Sand For Blotter	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
Asphalt Curing Seal	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
Asphalt Seal Coat	26,925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,925
Asphalt Seal Aggregate	26,925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,925

PAVING AREAS

ITEMS AND QUANTITIES SHOWN ARE FOR THE INITIAL CONSTRUCTION.
ULTIMATE CONSTRUCTION IS TO BE DONE BY OTHERS.

ITEM CODE	ITEM	UNIT	TOTAL PROJECT
00001	DGA BASE	TON	89,860
00018	DRAINAGE BLANKET-TYPE II-ASPH	TON	11,883
00020	TRAFFIC BOUND BASE	TON	174
00078	CRUSHED AGGREGATE SIZE NO 2's, 3's, or 23's	TON	65,111
00100	ASPHALT SEAL AGGREGATE	TON	269
00103	ASPHALT SEAL COAT	TON	32
00194	LEVELING & WEDGING PG76-22	TON	256
00212	CL2 ASPH BASE 1,000 PG64-22	TON	9,425
00214	CL3 ASPH BASE 1,000 PG64-22	TON	22,587
00221	CL2 ASPH BASE 0.750 PG64-22	TON	4,857
00301	CL2 ASPH SURF 0.380 PG64-22	TON	2,792
00307	CL2 ASPH SURF 0.388 PG64-22	TON	5,338
00358	ASPHALT CURING SEAL	TON	59
00388	CL3 ASPH SURF 0.388 PG64-22	TON	5,115
02061	PCC BASE-6 IN (FOR TRENCH)	TON	41
02010	CCM CONCRETE PAVEMENT-8 IN	TON	174
02603	FABRIC-GEOTEXTILE CLASS 2	SOYD	78,767
02702	SMND FOR BLOTTER	TON	14
00059	ASPHALT MIX BLENDED W/ SAND	TON	196
24276EC	SUBGRADE REINFORCEMENT	SOYD	129,204

NOTES

- ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ESTIMATED AT 95 LBS. PER SQ. YD. PER INCH OF DEPTH
- ESTIMATED AT 5 LBS. PER SQ. YD.
- ESTIMATED AT 100 LBS. PER SQ. YD.
- FOR USE IN THE STABILIZATION OF ROADWAY SUBGRADE, EXISTING PONDS, AND FOR USE AS A WORKING PLATFORM (SEE GEOTECHNICAL NOTES FOR PLACEMENT). INCLUDES 18,667 TON FOR SOFT SPOT, 2,339 TON FOR PONDS & 8,213 TON FOR WORKING PLATFORM.
- ESTIMATED AT 20 LBS. PER SQ. YD. (# 8's) QTY. INCLUDES TWO APPLICATIONS
- INCLUDES 3.82 TONS 1 1/4" ASPH. SURFACE FOR PIPE TRENCH
- INCLUDES 12-22 TONS 4" BASE FOR PIPE TRENCH
- INCLUDES 40 TONS AGGREGATE #2 FOR PERF. PIPE HDWLS.
- INCLUDES 3259 C.Y. (10%) TOLERANCE ON ROCK SUBGRADE.
- SEE GEOTECHNICAL NOTES FOR PLACEMENT.
- FOR MAINLINE SUBGRADE. SEE TYPICAL SECTION FOR ACCEPTABLE TYPES.
- SEE GENERAL SUMMARY FOR FABRIC-GEOTEXTILE TYPE 2 QUANTITY.

PAVING SUMMARY

ITEM	MAINLINE	SHOULDERS	KY 3376	KY 1016	JOHNSON SHOP RD.	KY 1617	SHORTLINE PIKE	CONNECTOR RD. NO. 1	CONNECTOR RD. NO. 2	ACCESS ROAD	ENTRANCES	KY 21	DIVERSION KY 3376	DIVERSION KY 1016	DIVERSION JOHNSON SHOP RD.	DIVERSION KY 1617	TOTAL PROJECT
1.5' Asph. Surface CL3 0.388 PG64-22	58,904	33,801	-	-	-	-	-	-	-	-	3,100	-	-	-	-	-	62,004
3.00' Asph. Surface CL2 0.388 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20,189
1.5' Asph. Surface CL2 0.380 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,801
3.0' Asph. Base CL2 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,989
3.0' Asph. Base CL2 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,989
3' Asph. Base CL2 0.750 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21,859
3' Asph. Base CL2 0.750 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,365
3.0' Asph. Base CL3 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59,348
4.0' Asph. Base CL3 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	966
1.5' Leveling & Wedging PG64-22	60,946	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,946
3.0' Asph. Base CL2 1.00 PG64-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,812
4' Dense Graded Aggregate Material	62,544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62,544
6' Dense Graded Aggregate Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,243
6' Dense Graded Aggregate Material	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
8' Dense Graded Aggregate Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,683
8.25' Dense Graded Aggregate Material (curb & gutter)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	314
10' Dense Graded Aggregate Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,870
13' Dense Graded Aggregate Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,970
10.25' Dense Graded Aggregate Material (shldr / curb & gutter)	26,723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,723
14.5' Dense Graded Aggregate Material (for wedge and shoulder)	43,577	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,577
6' Traffic Bound Base (TBB)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	579
Concrete Entrance Pavement - 8 Inch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94
PCC BASE-6 IN (FOR TRENCH)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,333
Sand for Blotter	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
Asphalt Curing Seal	58,904	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58,904
Asphalt Seal Coat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,925
Asphalt Seal Aggregate	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26,925

PAVING AREAS

PAVING SUMMARY