



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

December 5, 2024

CALL NO. 100
CONTRACT ID NO. 241018
ADDENDUM # 3

Subject: CHRISTIAN COUNTY NHPP 0801(107)
Letting December 12, 2024

1. Revised Proposal Bid Items p. 394-398 of 398.
2. Revised Plan Sheets: R2, R2a, R2b, R2d, R2e, R2i, R2j, R52.

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:mw
Enclosures

PROPOSAL BID ITEMS

Report Date 12/5/24

Page 1 of 5

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE (FOR SIDEWALK AND MULTI-USE PATH)	1,337.00	TON		\$	
0020	00003		CRUSHED STONE BASE	11,624.00	TON		\$	
0030	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	11,592.00	SQYD		\$	
0040	00078		CRUSHED AGGREGATE SIZE NO 2	2,908.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	1,256.00	TON		\$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	8,374.00	TON		\$	
0070	00324		CL3 ASPH SURF 0.50B PG64-22	3,109.00	TON		\$	
0080	00356		ASPHALT MATERIAL FOR TACK	23.80	TON		\$	
0090	02084		JPC PAVEMENT-8 IN	616.00	SQYD		\$	
0100	02101		CEM CONC ENT PAVEMENT-8 IN	1,067.00	SQYD		\$	
0110	02677		ASPHALT PAVE MILLING & TEXTURING	208.00	TON		\$	
0120	10020NS		FUEL ADJUSTMENT	26,281.00	DOLL	\$1.00	\$	\$26,281.00
0130	10030NS		ASPHALT ADJUSTMENT	49,804.00	DOLL	\$1.00	\$	\$49,804.00
0140	21289ED		LONGITUDINAL EDGE KEY	10,139.00	LF		\$	
0150	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	19.80	TON		\$	
0155	20550ND		SAWCUT PAVEMENT (ADDED 12-5-24)	10,139.00	LF		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	01810		STANDARD CURB AND GUTTER	7,569.00	LF		\$	
0170	01875		STANDARD HEADER CURB	2,235.00	LF		\$	
0180	01880		BARRIER HEADER CURB	705.00	LF		\$	
0190	01939		MOUNTABLE MEDIAN TYPE 3	28.00	SQYD		\$	
0200	02016		REMOVE CONCRETE ISLAND	43.00	SQYD		\$	
0210	02159		TEMP DITCH	2,831.00	LF		\$	
0220	02160		CLEAN TEMP DITCH	1,416.00	LF		\$	
0230	02230		EMBANKMENT IN PLACE	13,128.00	CUYD		\$	
0240	02242		WATER	215.00	MGAL		\$	
0250	02351		GUARDRAIL-STEEL W BEAM-S FACE	503.75	LF		\$	
0260	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0270	02369		GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH		\$	
0280	02381		REMOVE GUARDRAIL	752.00	LF		\$	
0290	02429		RIGHT-OF-WAY MONUMENT TYPE 1	40.00	EACH		\$	
0300	02432		WITNESS POST	3.00	EACH		\$	
0310	02471		FILL AND CAP SINKHOLE (STA. 428+14, 47' RT DRYWELL)	1.00	EACH		\$	
0320	02545		CLEARING AND GRUBBING 15.58 ACRES	1.00	LS		\$	
0330	02562		TEMPORARY SIGNS	300.00	SQFT		\$	
0340	02585		EDGE KEY	565.00	LF		\$	
0350	02602		FABRIC-GEOTEXTILE CLASS 1	27,415.00	SQYD		\$	
0360	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	

PROPOSAL BID ITEMS

Page 2 of 5

Report Date 12/5/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0380	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0390	02690		SAFELOADING	3.60	CUYD		\$	
0400	02701		TEMP SILT FENCE	2,831.00	LF		\$	
0410	02703		SILT TRAP TYPE A	16.00	EACH		\$	
0420	02704		SILT TRAP TYPE B	16.00	EACH		\$	
0430	02705		SILT TRAP TYPE C	16.00	EACH		\$	
0440	02706		CLEAN SILT TRAP TYPE A	16.00	EACH		\$	
0450	02707		CLEAN SILT TRAP TYPE B	16.00	EACH		\$	
0460	02708		CLEAN SILT TRAP TYPE C	16.00	EACH		\$	
0470	02720		SIDEWALK-4 IN CONCRETE	1,663.00	SQYD		\$	
0480	02720		SIDEWALK-4 IN CONCRETE (MULTI-USE PATH)	4,148.00	SQYD		\$	
0490	02726		STAKING	1.00	LS		\$	
0500	02775		ARROW PANEL	4.00	EACH		\$	
0510	05952		TEMP MULCH	50,271.00	SQYD		\$	
0520	05953		TEMP SEEDING AND PROTECTION	37,704.00	SQYD		\$	
0530	05963		INITIAL FERTILIZER	2.70	TON		\$	
0540	05964		MAINTENANCE FERTILIZER	1.62	TON		\$	
0550	05985		SEEDING AND PROTECTION	15,553.00	SQYD		\$	
0560	05990		SODDING	14,595.00	SQYD		\$	
0570	05992		AGRICULTURAL LIMESTONE	32.40	TON		\$	
0580	06510		PAVE STRIPING-TEMP PAINT-4 IN	33,972.00	LF		\$	
0590	06542		PAVE STRIPING-THERMO-6 IN W	11,541.00	LF		\$	
0600	06543		PAVE STRIPING-THERMO-6 IN Y	2,028.00	LF		\$	
0610	06568		PAVE MARKING-THERMO STOP BAR-24IN	339.00	LF		\$	
0620	06569		PAVE MARKING-THERMO CROSS-HATCH (YELLOW, X=1', Y=10')	120.00	SQFT		\$	
0630	06574		PAVE MARKING-THERMO CURV ARROW	35.00	EACH		\$	
0640	06575		PAVE MARKING-THERMO COMB ARROW	4.00	EACH		\$	
0650	06610		INLAID PAVEMENT MARKER-MW	10.00	EACH		\$	
0660	06612		INLAID PAVEMENT MARKER-BY	209.00	EACH		\$	
0670	20191ED		OBJECT MARKER TY 3	1.00	EACH		\$	
0680	23158ES505		DETECTABLE WARNINGS	1,521.00	SQFT		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0690	00521		STORM SEWER PIPE-15 IN	2,051.00	LF		\$	
0700	00522		STORM SEWER PIPE-18 IN	1,400.00	LF		\$	
0710	00524		STORM SEWER PIPE-24 IN	1,680.00	LF		\$	
0720	00526		STORM SEWER PIPE-30 IN	287.00	LF		\$	
0730	00528		STORM SEWER PIPE-36 IN	1,453.00	LF		\$	
0740	00529		STORM SEWER PIPE-42 IN	298.00	LF		\$	
0750	00530		STORM SEWER PIPE-48 IN	391.00	LF		\$	
0760	01000		PERFORATED PIPE-4 IN	356.00	LF		\$	
0770	01371		METAL END SECTION TY 1-18 IN	1.00	EACH		\$	
0780	01456		CURB BOX INLET TYPE A	47.00	EACH		\$	
0790	01459		CURB BOX INLET TYPE A MOD	2.00	EACH		\$	

PROPOSAL BID ITEMS

Page 3 of 5

Report Date 12/5/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0800	01544		DROP BOX INLET TYPE 11	21.00	EACH		\$	
0810	01559		DROP BOX INLET TYPE 13G	9.00	EACH		\$	
0820	01568		DROP BOX INLET TYPE 13S	13.00	EACH		\$	
0830	01691		FLUME INLET TYPE 2	1.00	EACH		\$	
0840	01767		MANHOLE TYPE C	7.00	EACH		\$	
0850	02484		CHANNEL LINING CLASS III	185.00	TON		\$	
0860	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	14,252.00	SQYD	\$2.00	\$	\$28,504.00
0870	20166ES810		TEMPORARY PIPE	527.00	LF		\$	
0880	21541NN		CORED HOLE DRAINAGE BOX CON- 18 IN	2.00	EACH		\$	
0890	23822EC		CORED HOLE DRAINAGE BOX CON-15 IN	2.00	EACH		\$	
0900	23952EC		DRAINAGE JUNCTION BOX TY B	6.00	EACH		\$	
0910	23952EC		DRAINAGE JUNCTION BOX TY B (TOP PHASE ONLY)	2.00	EACH		\$	
0920	24814EC		PIPELINE INSPECTION	3,782.00	LF		\$	

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	02403		REMOVE CONCRETE MASONRY	85.00	CUYD		\$	
0940	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0950	08100		CONCRETE-CLASS A	306.00	CUYD		\$	
0960	08150		STEEL REINFORCEMENT	25,730.00	LB		\$	
0970	22146EN		CONCRETE PATCHING REPAIR	10.00	SQFT		\$	
0980	23060EN		PRECAST CONCRETE ARCH CULVERT	40.00	LF		\$	

Section: 0005 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0990	15000		S BYPASS PUMPING	1.00	EACH		\$	
1000	15017		S ENCASEMENT STEEL BORED RANGE 4	59.00	LF		\$	
1010	15059		S FORCE MAIN PVC 04 INCH	1,079.00	LF		\$	
1020	15073		S FORCE MAIN TIE-IN 04 INCH	2.00	EACH		\$	
1030	15092		S MANHOLE	8.00	EACH		\$	
1040	15099		S MANHOLE TAP EXISTING	1.00	EACH		\$	
1050	15112		S PIPE PVC 08 INCH	1,137.00	LF		\$	
1060	21213ED		CONCRETE PAVING REPLACEMENT	277.00	LF		\$	
1070	21233ED		ASPHALT PAVING REPLACEMENT	84.00	LF		\$	
1080	23967EC		ASPHALT DRIVEWAY/PARKING LOT REPLACEMENT	1,060.00	LF		\$	
1090	24441EC		GRAVEL REPLACEMENT DRIVEWAYS	185.00	LF		\$	

Section: 0006 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1100	06406		SBM ALUM SHEET SIGNS .080 IN	587.38	SQFT		\$	
1110	06410		STEEL POST TYPE 1	1,023.00	LF		\$	

PROPOSAL BID ITEMS

Page 4 of 5

Report Date 12/5/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1120	24631EC		BARCODE SIGN INVENTORY	139.00	EACH		\$	

Section: 0007 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	04795		CONDUIT-2 IN	80.00	LF		\$	
1140	04820		TRENCHING AND BACKFILLING	80.00	LF		\$	
1150	04844		CABLE-NO. 14/5C	4,550.00	LF		\$	
1160	04885		MESSENGER-10800 LB	720.00	LF		\$	
1170	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
1180	20093NS835		INSTALL PEDESTRIAN HEAD-LED	16.00	EACH		\$	
1190	20188NS835		INSTALL LED SIGNAL-3 SECTION	16.00	EACH		\$	
1200	20266ES835		INSTALL LED SIGNAL- 4 SECTION	6.00	EACH		\$	
1210	21743NN		INSTALL PEDESTRIAN DETECTOR	16.00	EACH		\$	
1220	23068NN		REMOVE & REINSTALL COORDINATING UNIT	2.00	EACH		\$	
1230	23157EN		TRAFFIC SIGNAL POLE BASE	40.29	CUYD		\$	
1240	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	2.00	EACH		\$	
1250	24955ED		REMOVE SIGNAL EQUIPMENT	2.00	EACH		\$	
1260	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	8.00	EACH		\$	

Section: 0008 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1270	14003		W CAP EXISTING MAIN	18.00	EACH		\$	
1280	14009		W ENCASEMENT STEEL BORED RANGE 4	374.00	LF		\$	
1290	14010		W ENCASEMENT STEEL BORED RANGE 5	317.00	LF		\$	
1300	14019		W FIRE HYDRANT ASSEMBLY	18.00	EACH		\$	
1310	14025		W METER 1 INCH	1.00	EACH		\$	
1320	14027		W METER 2 INCH	3.00	EACH		\$	
1330	14032		W METER/FIRE SERVICE COMBO VAULT	1.00	EACH		\$	
1340	14036		W PIPE DUCTILE IRON 06 INCH	196.00	LF		\$	
1350	14039		W PIPE DUCTILE IRON 12 INCH	4,741.00	LF		\$	
1360	14047		W PIPE DCTL IRON RSTRND JOINT 06 IN	861.00	LF		\$	
1370	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	70.00	LF		\$	
1380	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	1,809.00	LF		\$	
1390	14077		W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH		\$	
1400	14079		W SERV PE/PLST LONG SIDE 2 IN	6.00	EACH		\$	
1410	14080		W SERV PE/PLST LONG SIDE 3/4 IN	14.00	EACH		\$	
1420	14082		W SERV PE/PLST SHORT SIDE 1 IN	3.00	EACH		\$	
1430	14084		W SERV PE/PLST SHORT SIDE 2 IN	4.00	EACH		\$	
1440	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	31.00	EACH		\$	
1450	14089		W TAPPING SLEEVE AND VALVE SIZE 1	12.00	EACH		\$	
1460	14090		W TAPPING SLEEVE AND VALVE SIZE 2	2.00	EACH		\$	
1470	14091		W TIE-IN 02 INCH	3.00	EACH		\$	
1480	14094		W TIE-IN 06 INCH	6.00	EACH		\$	
1490	14095		W TIE-IN 08 INCH	4.00	EACH		\$	

PROPOSAL BID ITEMS

Page 5 of 5

Report Date 12/5/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1500	14097		W TIE-IN 12 INCH	2.00	EACH		\$	
1510	14105		W VALVE 06 INCH	12.00	EACH		\$	
1520	14106		W VALVE 08 INCH	4.00	EACH		\$	
1530	14108		W VALVE 12 INCH	20.00	EACH		\$	
1540	14144		W LINE MARKER	30.00	EACH		\$	
1550	14182		W METER 5/8 INCH	62.00	EACH		\$	

Section: 0009 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1560	02568		MOBILIZATION	1.00	LS		\$	
1570	02569		DEMOBILIZATION	1.00	LS		\$	

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USER: dsll
DATE PLOTTED: December 3, 2024

E-SHEET NAME: R002007S

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

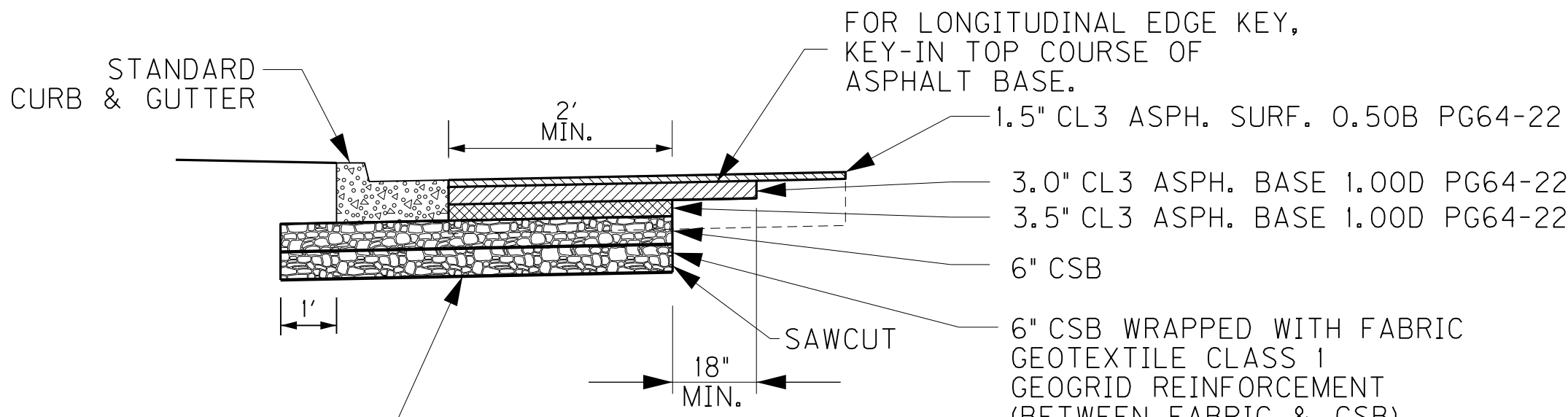
4" DGA
4" CLASS "A" CONCRETE

ENTRANCE CONSTRUCTION

COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

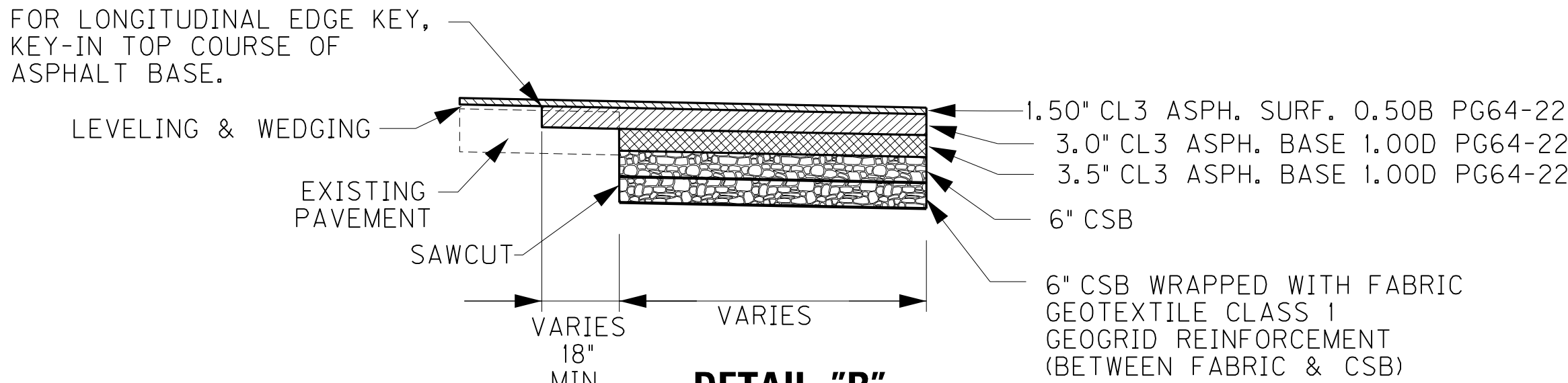
RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT

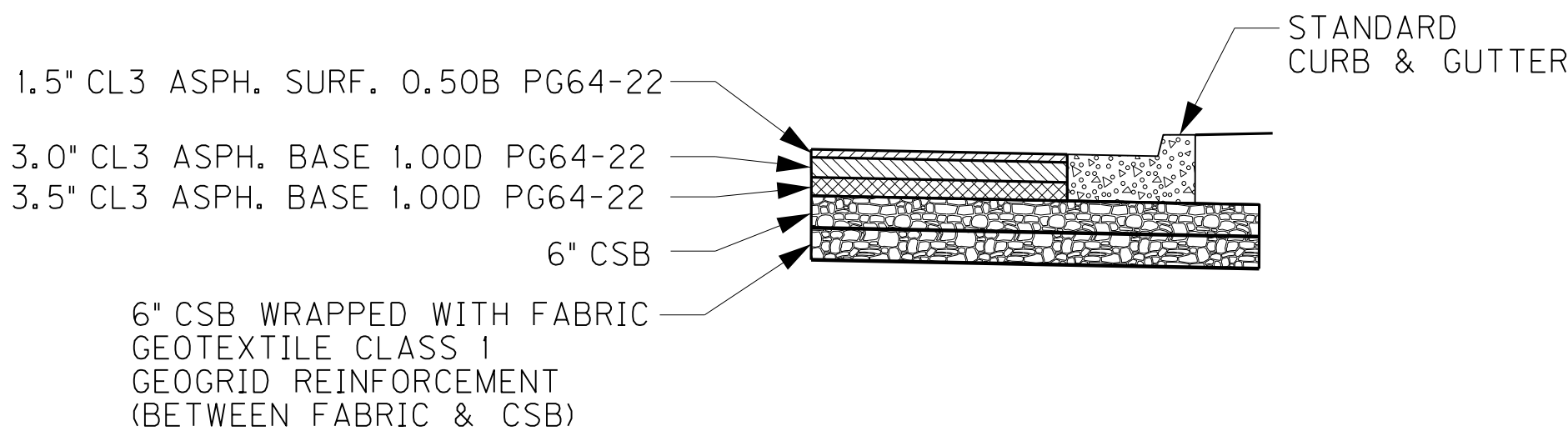


NOTE: SLOPE SUBGRADE AT 0.5% MIN AWAY FROM ROAD ON HIGH SIDE IN SUPERELEVATED SECTIONS

DETAIL "A"



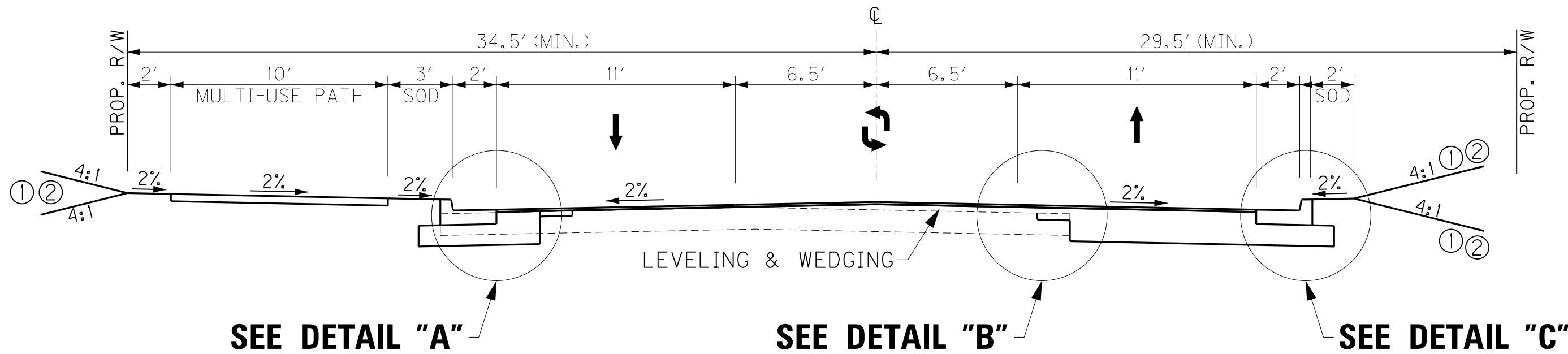
DETAIL "B"



DETAIL "C"

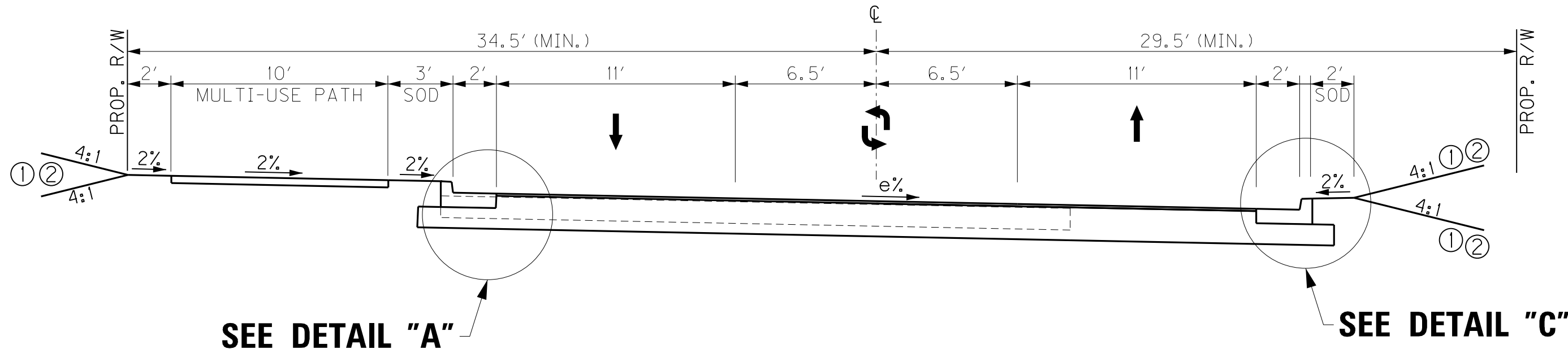
(SEE SHEET R2a FOR ALTERNATE OPTION FOR STABILIZED ROADBED)

TYPICAL SECTIONS



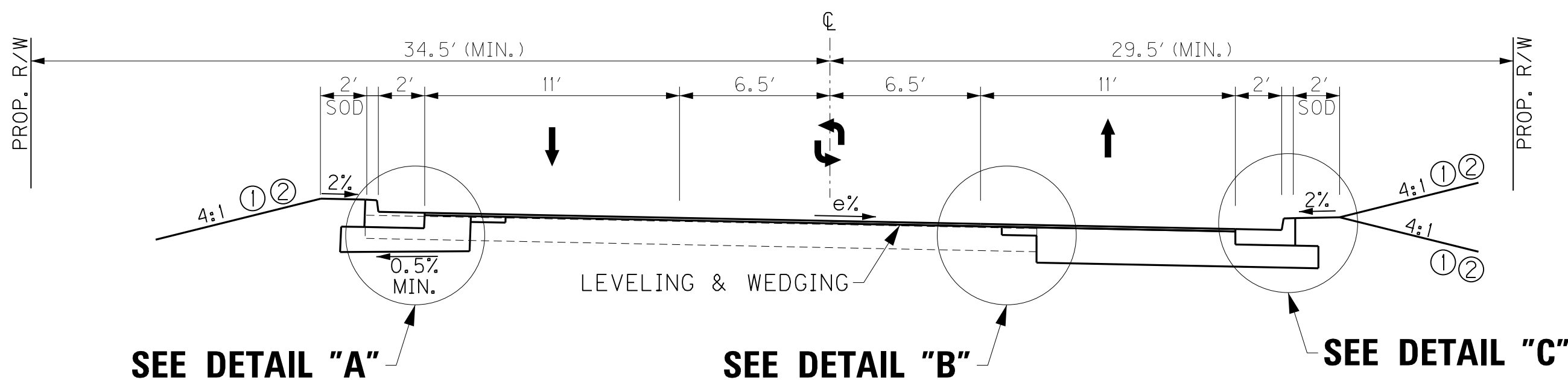
US 68
NORMAL CROWN SECTION
STA. 409+14.20 TO STA. 416+91.94

NOTE: FULL DEPTH / FULL WIDTH
PAVEMENT REPLACEMENT
STA. 404+50 TO STA. 411+40

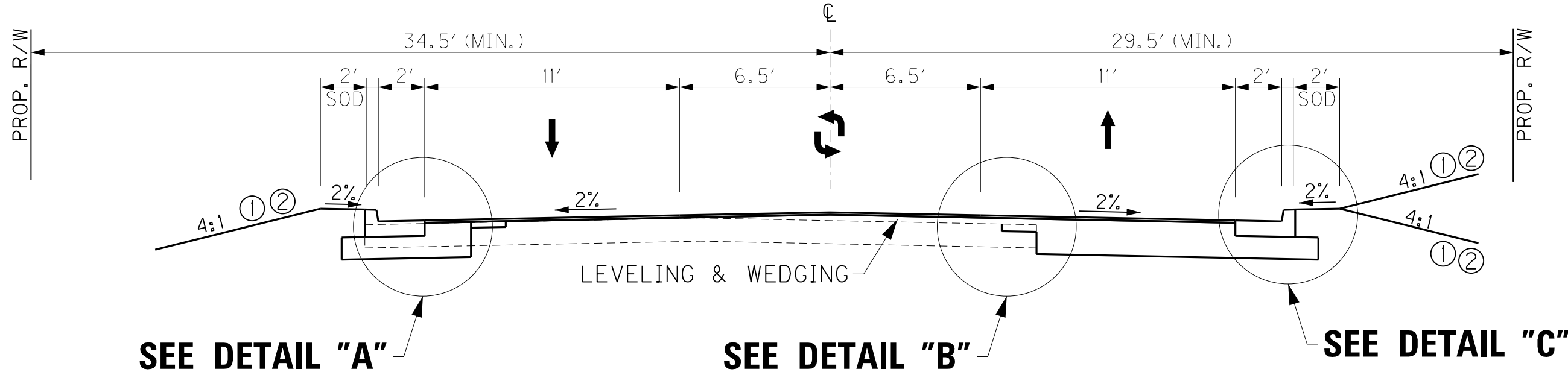


US 68
SUPERELEVATED SECTION
STA. 406+26.86 TO STA. 409+14.20

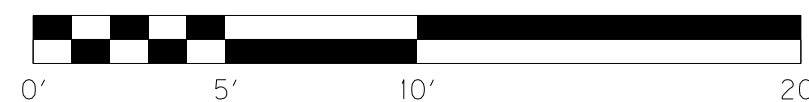
NOTE: FULL DEPTH / FULL WIDTH
PAVEMENT REPLACEMENT
STA. 404+50 TO STA. 411+40



US 68
SUPERELEVATED SECTION
STA. 402+92.17 TO STA. 406+26.86



US 68
NORMAL CROWN SECTION
STA. 402+28.60 TO STA. 402+92.17



NOTES:

- SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER
- EXTEND SOD TO DISTURB LIMIT

FILE NAME: \\GLOBAL.GSP\DATA\IN\LO_NF02\43730101\WORK\01\CAD\2-899_US88_FINAL_PLANS_SUBMITTAL\ROADWAY\RO0200T5.DGN

USER: dsjl
DATE PLOTTED: December 3, 2024

RO0200T5

E-SHEET NAME:

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

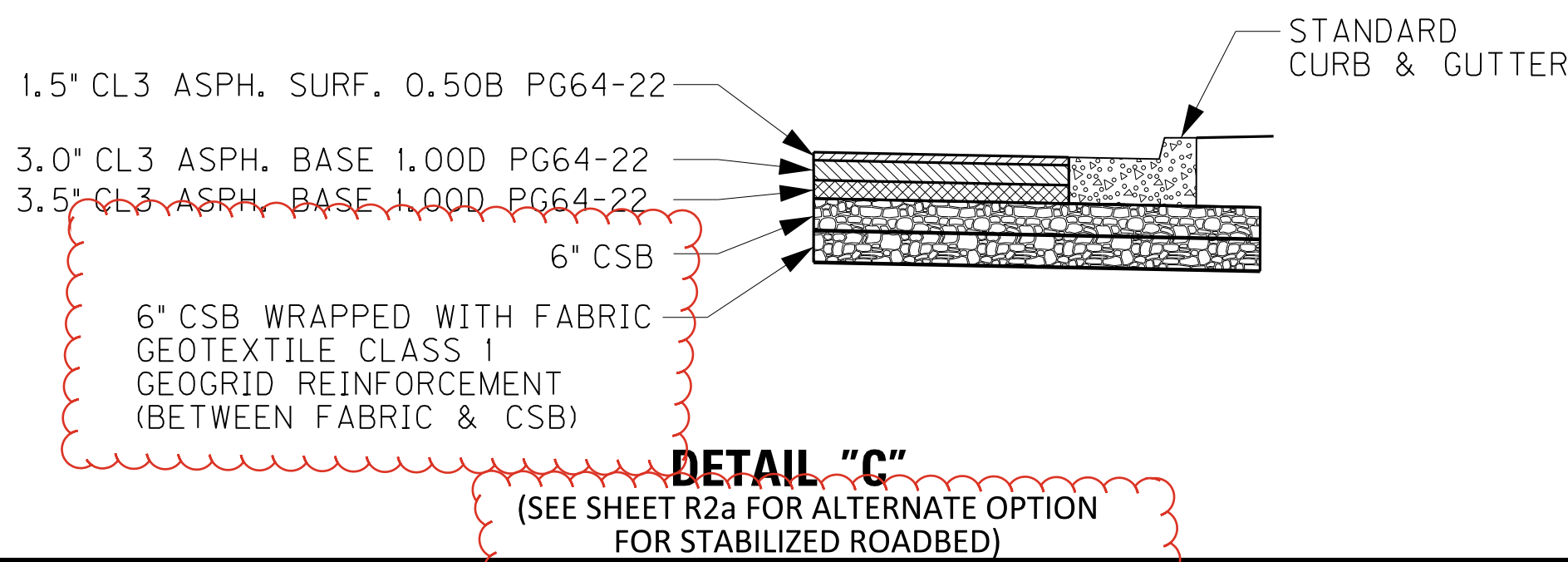
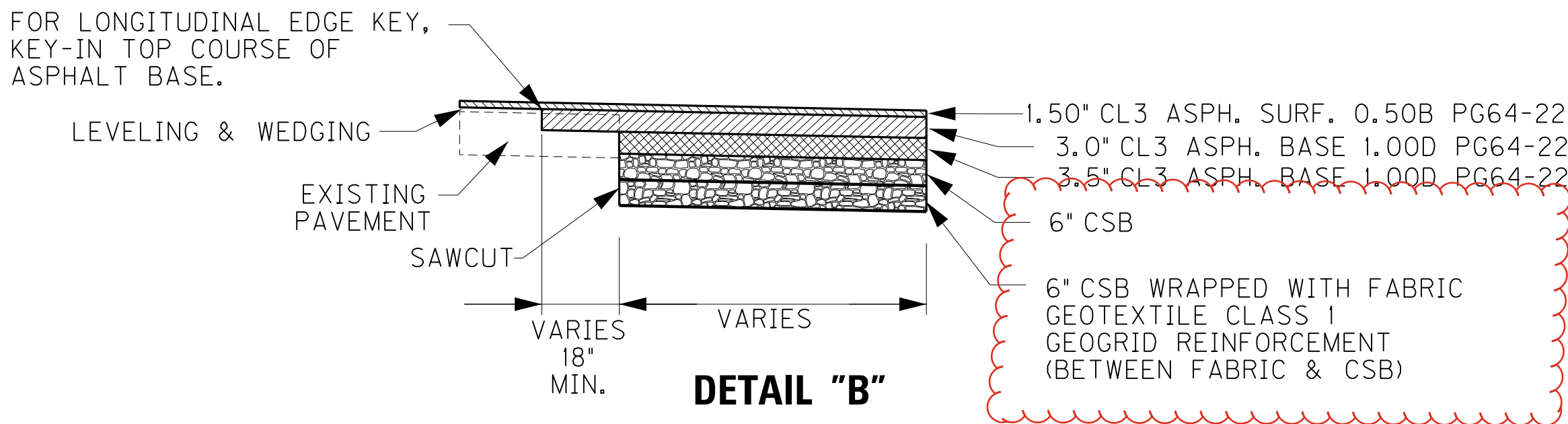
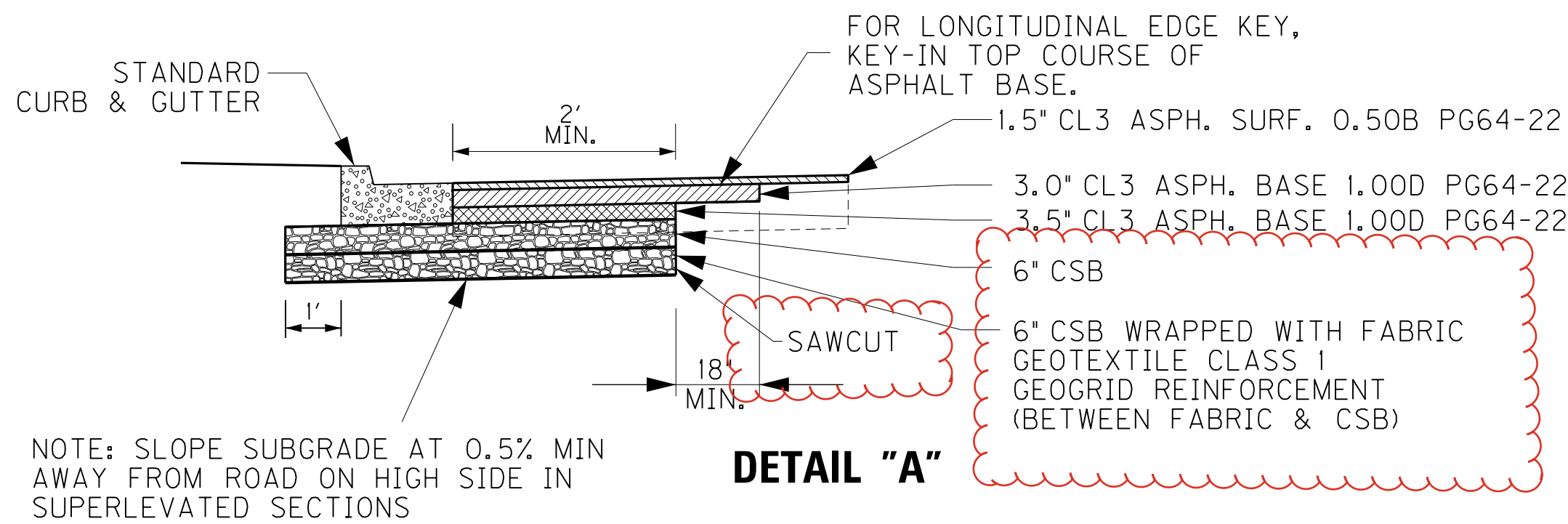
4" DGA
4" CLASS "A" CONCRETE

ENTRANCE CONSTRUCTION

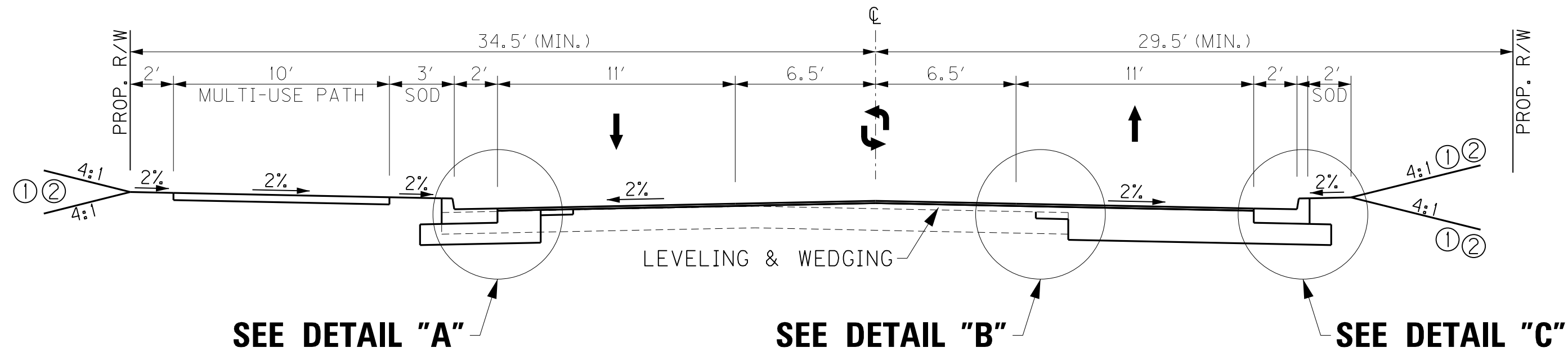
COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT

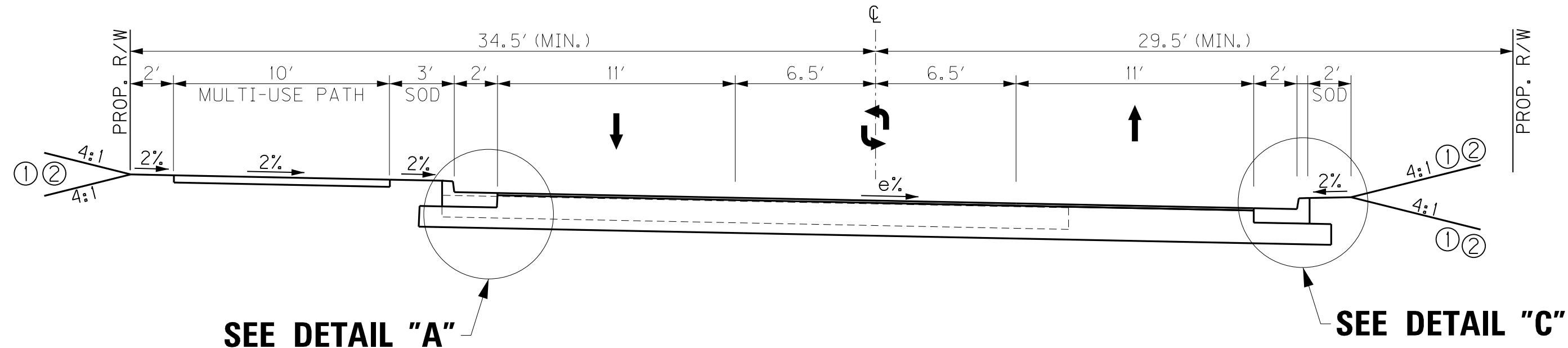


TYPICAL SECTIONS



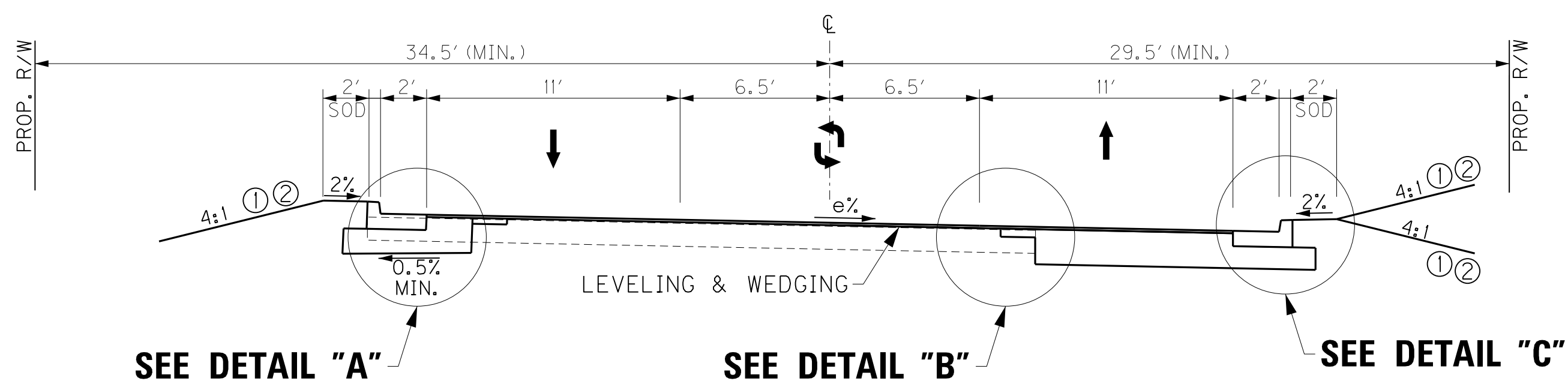
US 68
NORMAL CROWN SECTION
STA. 409+14.20 TO STA. 416+91.94

NOTE: FULL DEPTH / FULL WIDTH
PAVEMENT REPLACEMENT
STA. 404+50 TO STA. 411+40

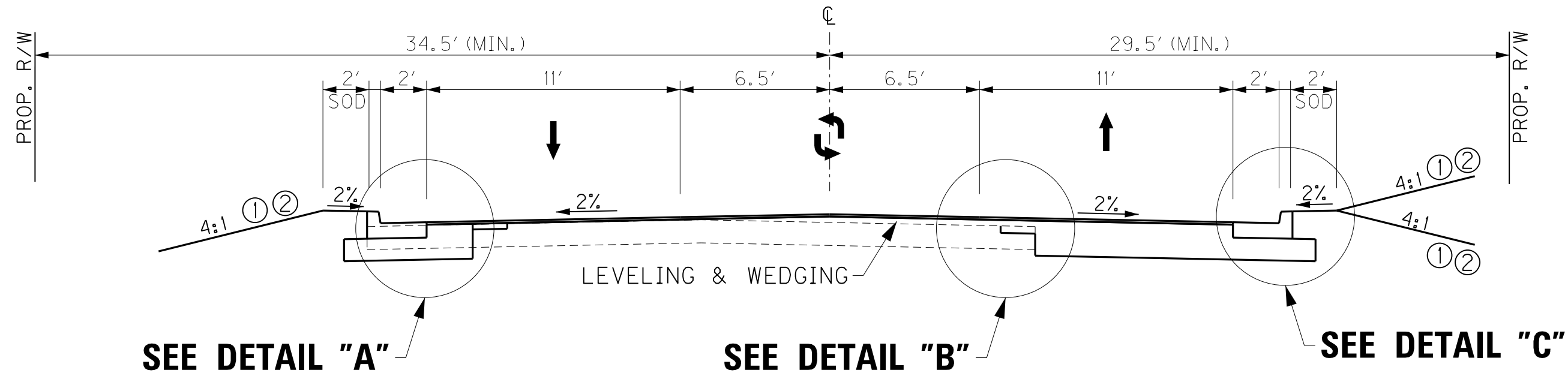


US 68
SUPERELEVATED SECTION
STA. 406+26.86 TO STA. 409+14.20

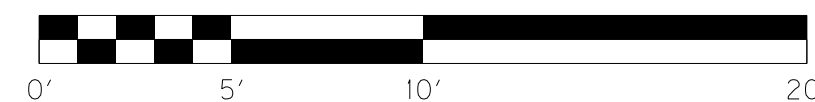
NOTE: FULL DEPTH / FULL WIDTH
PAVEMENT REPLACEMENT
STA. 404+50 TO STA. 411+40



US 68
SUPERELEVATED SECTION
STA. 402+92.17 TO STA. 406+26.86



US 68
NORMAL CROWN SECTION
STA. 402+28.60 TO STA. 402+92.17



- NOTES:
- SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER
 - EXTEND SOD TO DISTURB LIMIT

FILE NAME: \\GLOBAL.GSPDATA\\FLO_\\F024373010101\\WORK\\01\\CAD\\2-899_US88_FINAL_PLANS_SUBMITTAL\\ROADWAY\\R002007S.DGN

USER: dsjll
DATE PLOTTED: December 3, 2024

E-SHEET NAME: R002007S

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

4" DGA
4" CLASS "A" CONCRETE

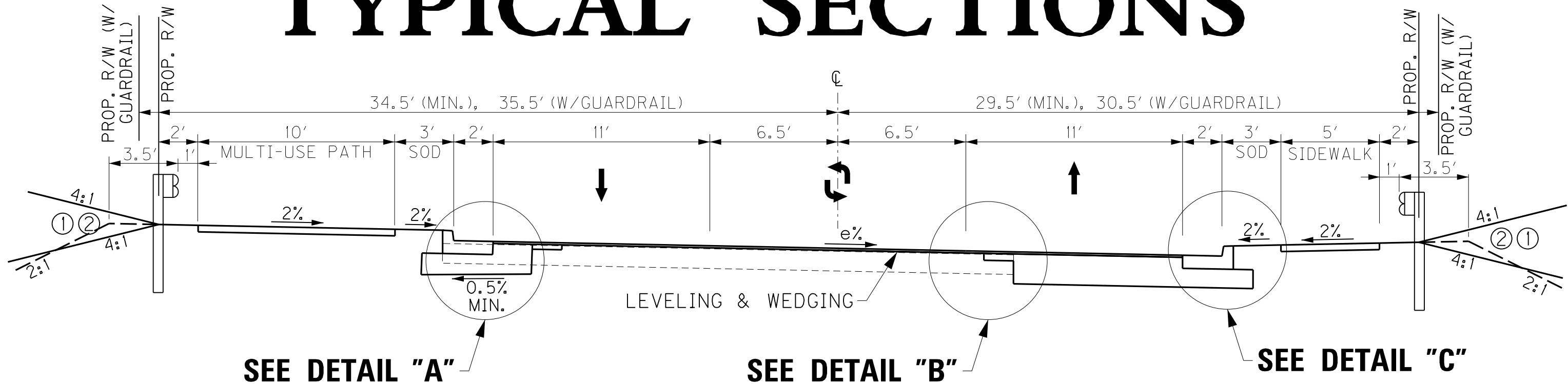
ENTRANCE CONSTRUCTION

COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT

TYPICAL SECTIONS



US 68
SUPERELEVATED SECTION
STA. 434+76.41 TO STA. 439+19.43
STA. 446+84.26 TO STA. 450+58.41
STA. 451+62.17 TO STA. 455+67.95

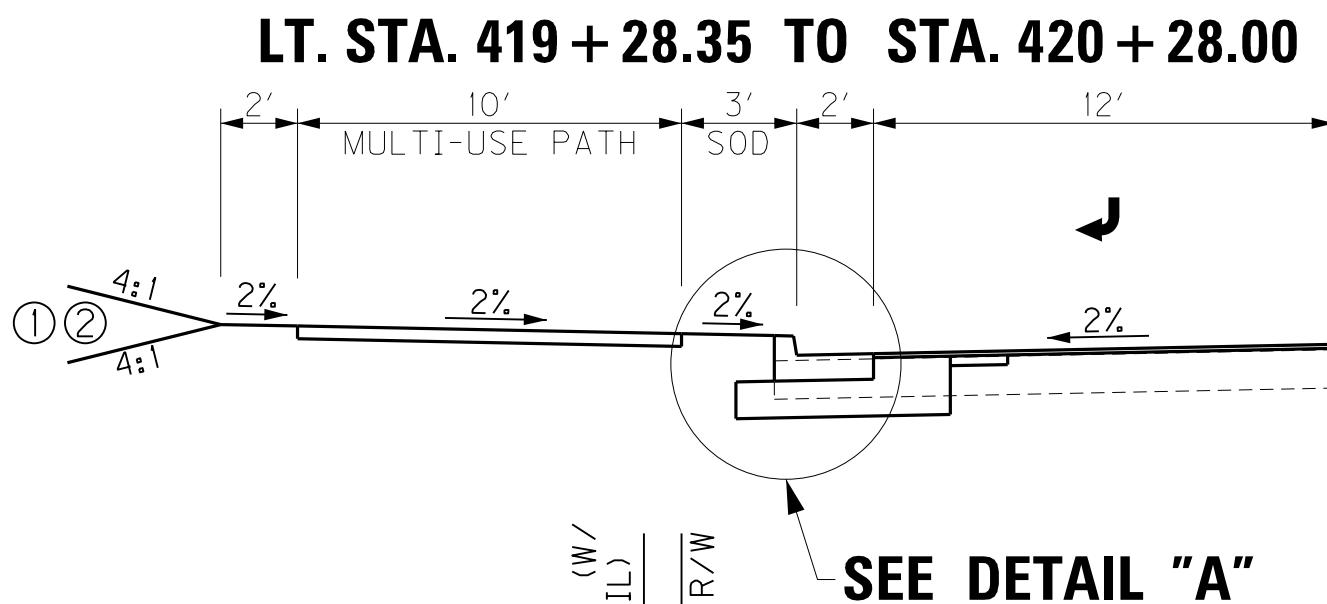
1.5" CL3 ASPH. SURF. 0.50B PG64-22
3.0" CL3 ASPH. BASE 1.00D PG64-22
3.5" CL3 ASPH. BASE 1.00D PG64-22
6" CSB
6" CSB WRAPPED WITH FABRIC
GEOTEXTILE CLASS 1
GEOGRID REINFORCEMENT
(BETWEEN FABRIC & CSB)

DETAIL "C"

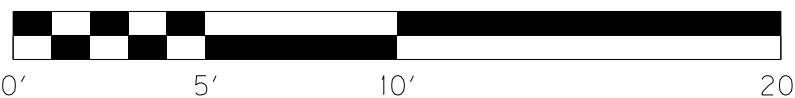
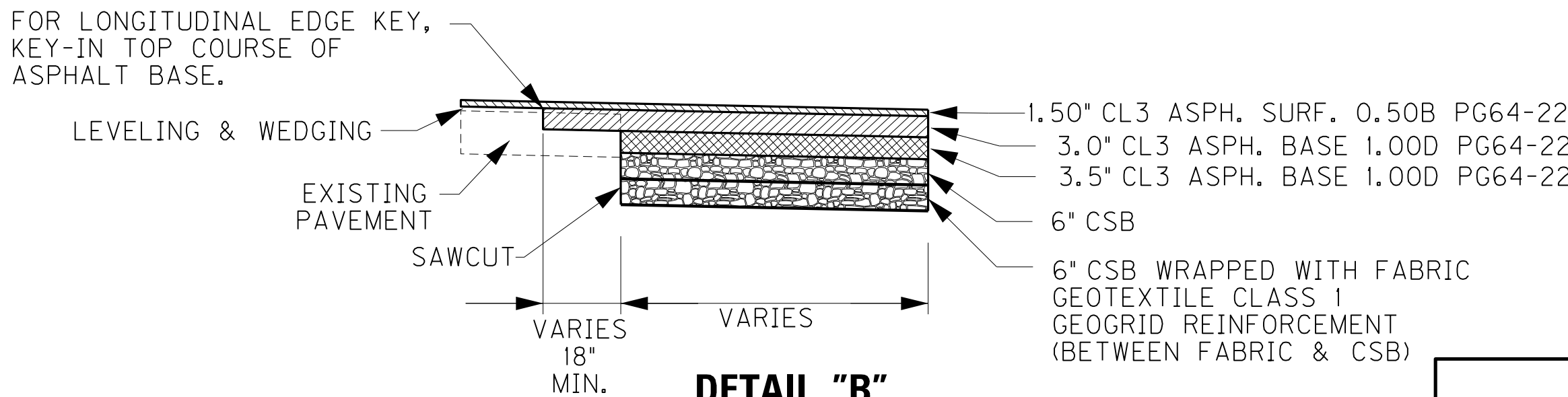
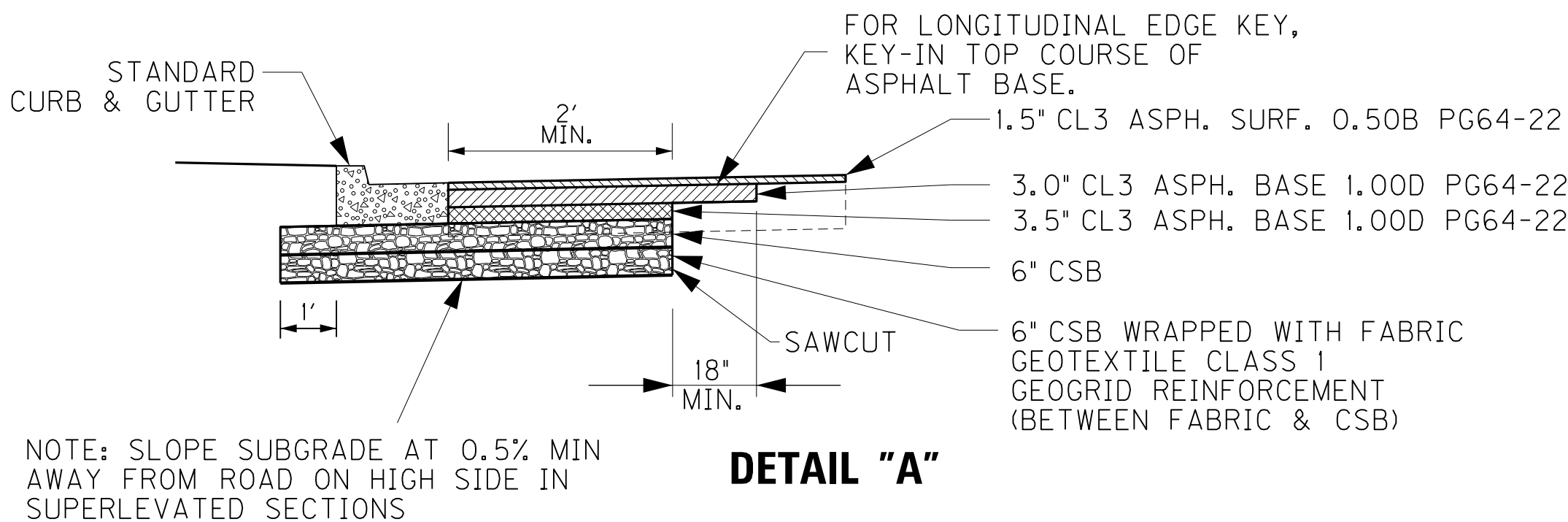
1.5" CL3 ASPH. SURF. 0.50B PG64-22
3.0" CL3 ASPH. BASE 1.00D PG64-22
3.5" CL3 ASPH. BASE 1.00D PG64-22
6" CSB
15" STABILIZED ROADBED
WRAPPED WITH FABRIC
GEOTEXTILE CLASS 1 PER
GEOTECHNICAL NOTE 12

DETAIL "C"

(IN AREAS WHERE STABILIZED
ROADBED IS REQUIRED AS
DIRECTED BY THE ENGINEER)



US 68
NORMAL CROWN SECTION
STA. 416+91.94 TO STA. 434+76.11
STA. 439+19.43 TO STA. 446+84.26
STA. 450+58.41 TO STA. 451+62.17
STA. 455+67.95 TO STA. 455+74.20



TYPICAL SECTIONS
US 68
SHEET 2 OF 4

FILE NAME: \\GLOBAL.GSPDATA\\FLO_NF0243730101\\WORK\\01\\CAD\\2-899_US88_FINAL_PLANS_SUBMITTAL\\ROADWAY\\R002007S.DGN

USER: dsjll
DATE PLOTTED: December 3, 2024

E-SHEET NAME: R002007S

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

4" DGA
4" CLASS "A" CONCRETE

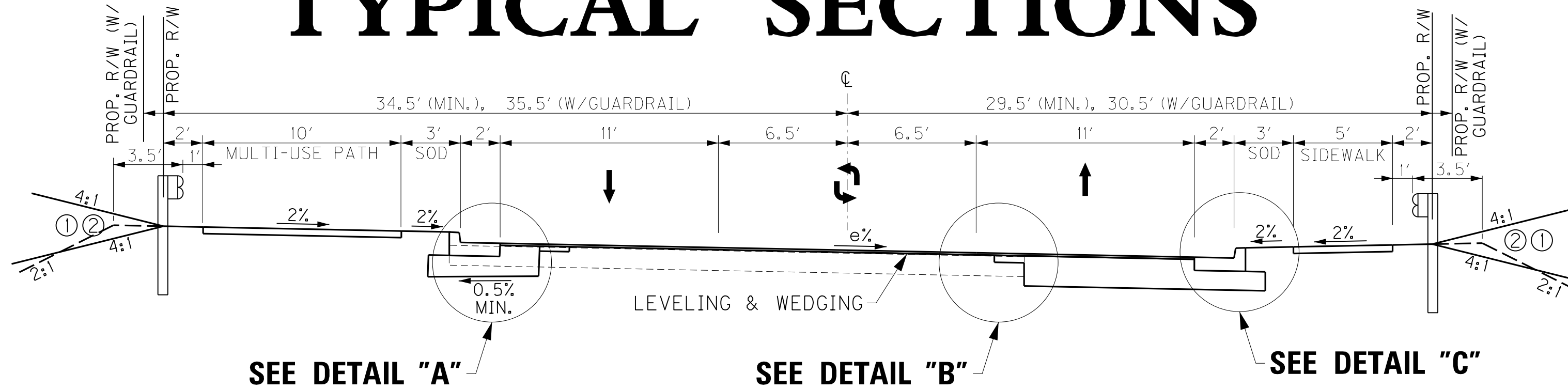
ENTRANCE CONSTRUCTION

COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT

TYPICAL SECTIONS



US 68
SUPERELEVATED SECTION
STA. 434+76.41 TO STA. 439+19.43
STA. 446+84.26 TO STA. 450+58.41
STA. 451+62.17 TO STA. 455+67.95

1.5" CL3 ASPH. SURF. 0.50B PG64-22

3.0" CL3 ASPH. BASE 1.00D PG64-22

3.5" CL3 ASPH. BASE 1.00D PG64-22

6" CSB

6" CSB WRAPPED WITH FABRIC
GEOTEXTILE CLASS 1
GEOGRID REINFORCEMENT
(BETWEEN FABRIC & CSB)

DETAIL "C"

1.5" CL3 ASPH. SURF. 0.50B PG64-22

3.0" CL3 ASPH. BASE 1.00D PG64-22

3.5" CL3 ASPH. BASE 1.00D PG64-22

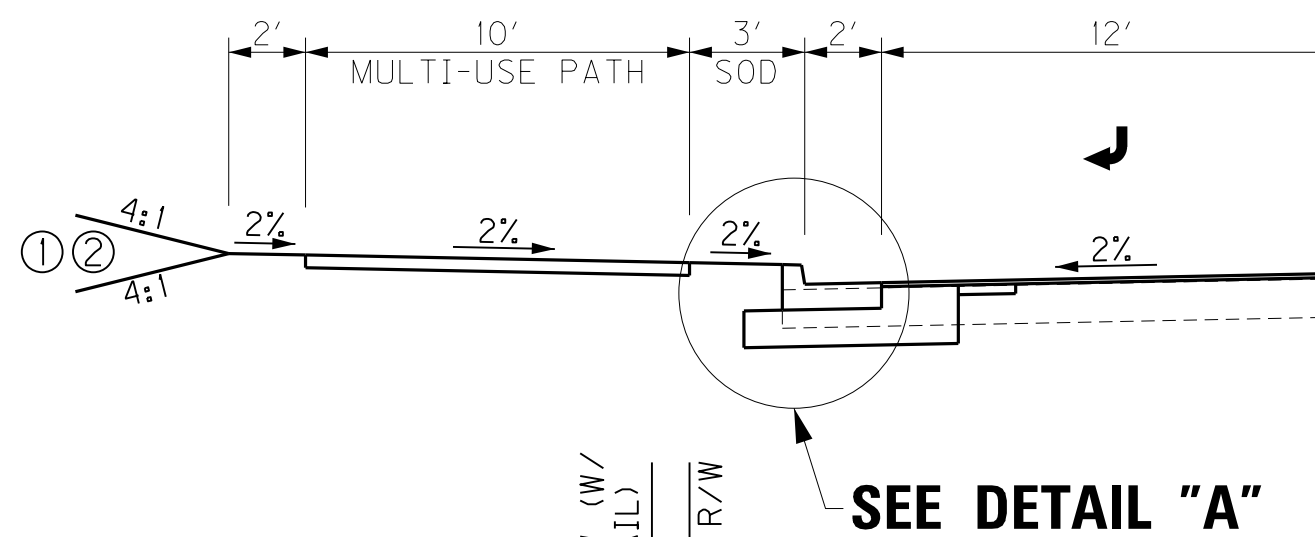
6" CSB

15" STABILIZED ROADBED
WRAPPED WITH FABRIC
GEOTEXTILE CLASS 1 PER
GEOTECHNICAL NOTE 12

DETAIL "C"

(IN AREAS WHERE STABILIZED
ROADBED IS REQUIRED AS
DIRECTED BY THE ENGINEER)

LT. STA. 419+28.35 TO STA. 420+28.00

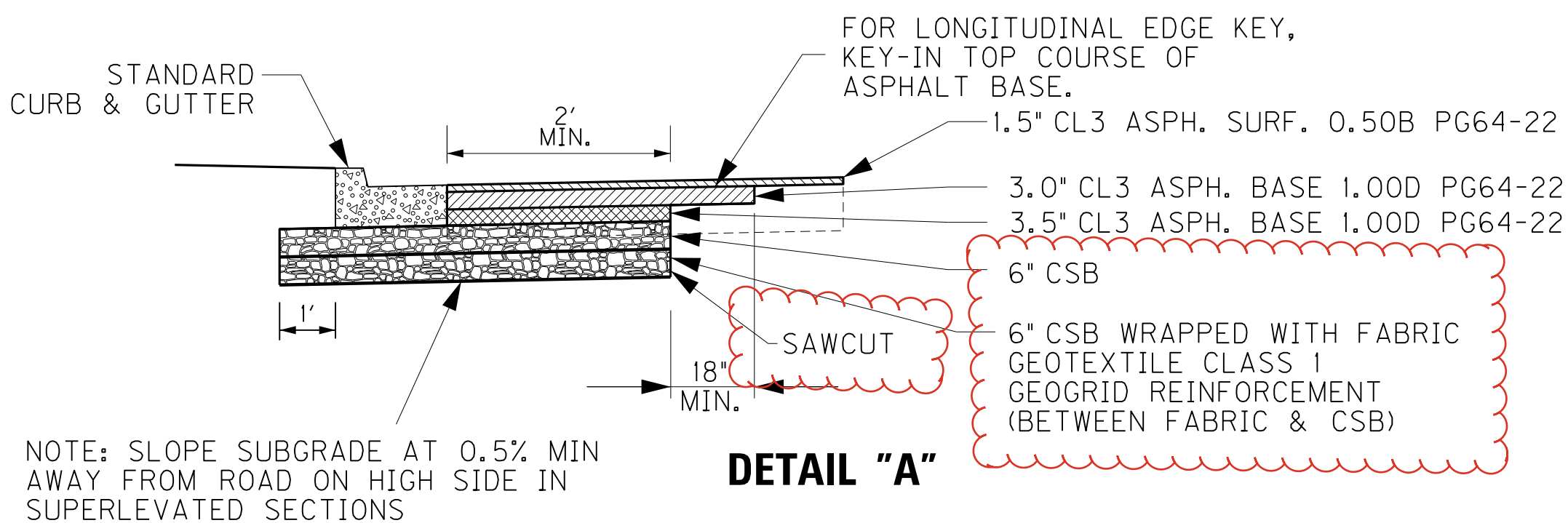


SEE DETAIL "A"

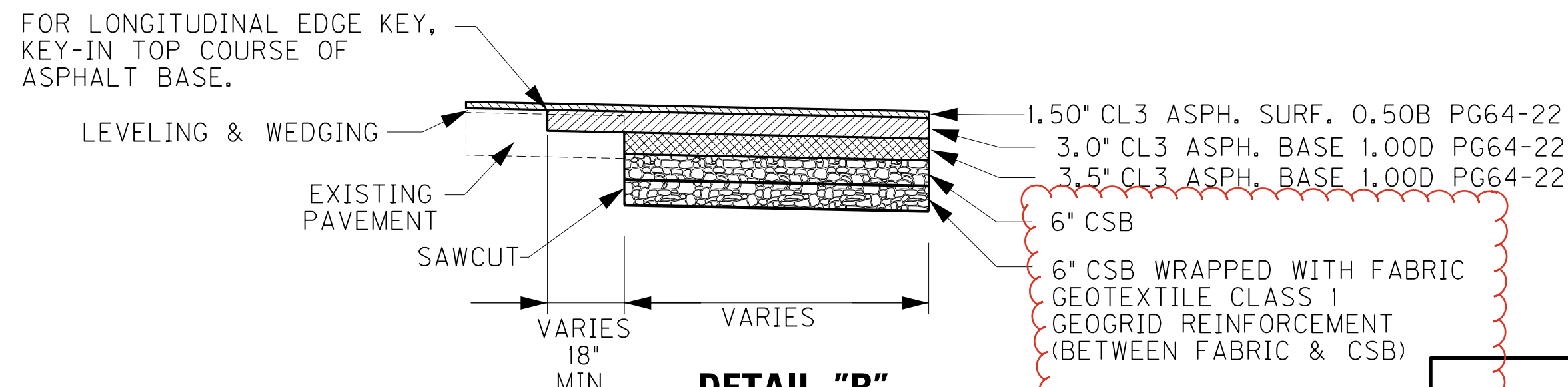
SEE DETAIL "B"

SEE DETAIL "C"

US 68
NORMAL CROWN SECTION
STA. 416+91.94 TO STA. 434+76.11
STA. 439+19.43 TO STA. 446+84.26
STA. 450+58.41 TO STA. 451+62.17
STA. 455+67.95 TO STA. 455+74.20



DETAIL "A"



DETAIL "B"



TYPICAL SECTIONS
US 68
SHEET 2 OF 4

FILE NAME: \\GLOBAL.GSPDATA\\NFLO_NF02\\4373010101\\WORK\\01\\CAD\\2-899_US88_FINAL_PLANS_SUBMITTAL\\ROADWAY\\R00200T\\S.DGN

USER: dsall
DATE PLOTTED: December 3, 2024

E-SHEET NAME: R00200T\\S

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

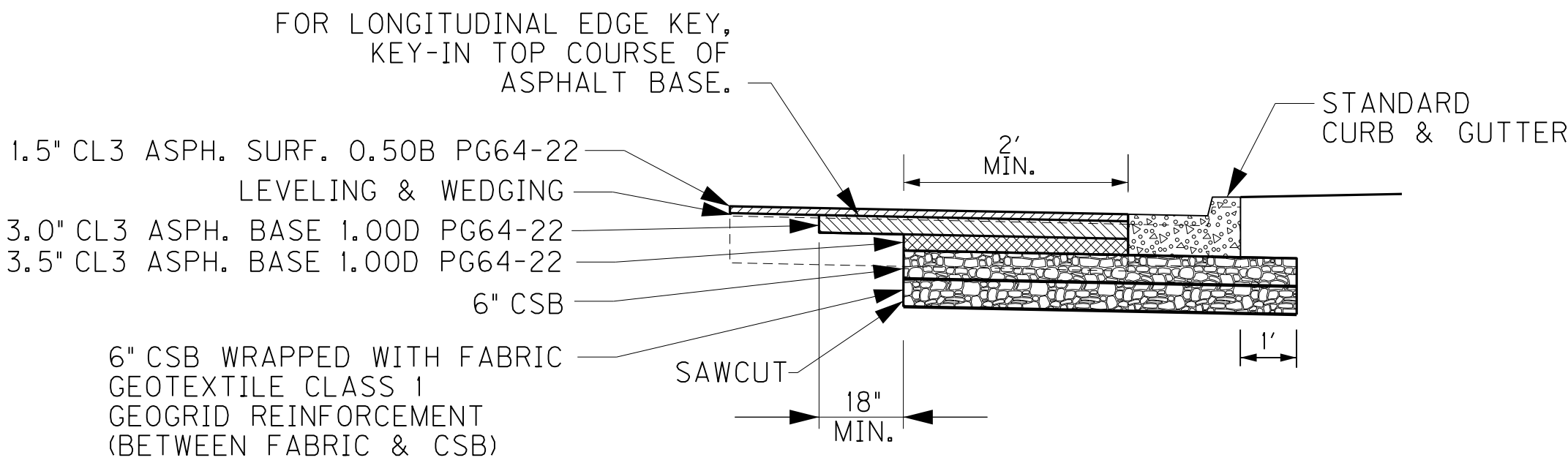
4" DGA
4" CLASS "A" CONCRETE

ENTRANCE CONSTRUCTION

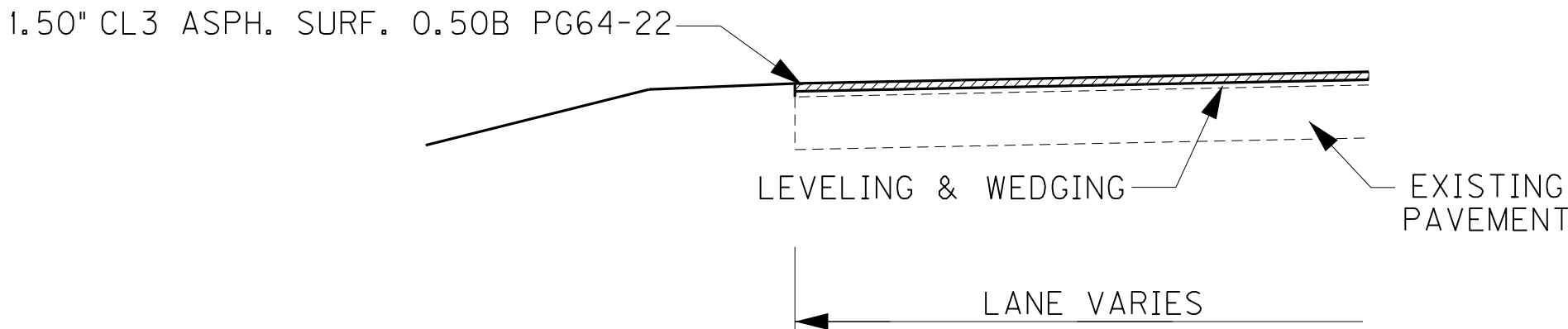
COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

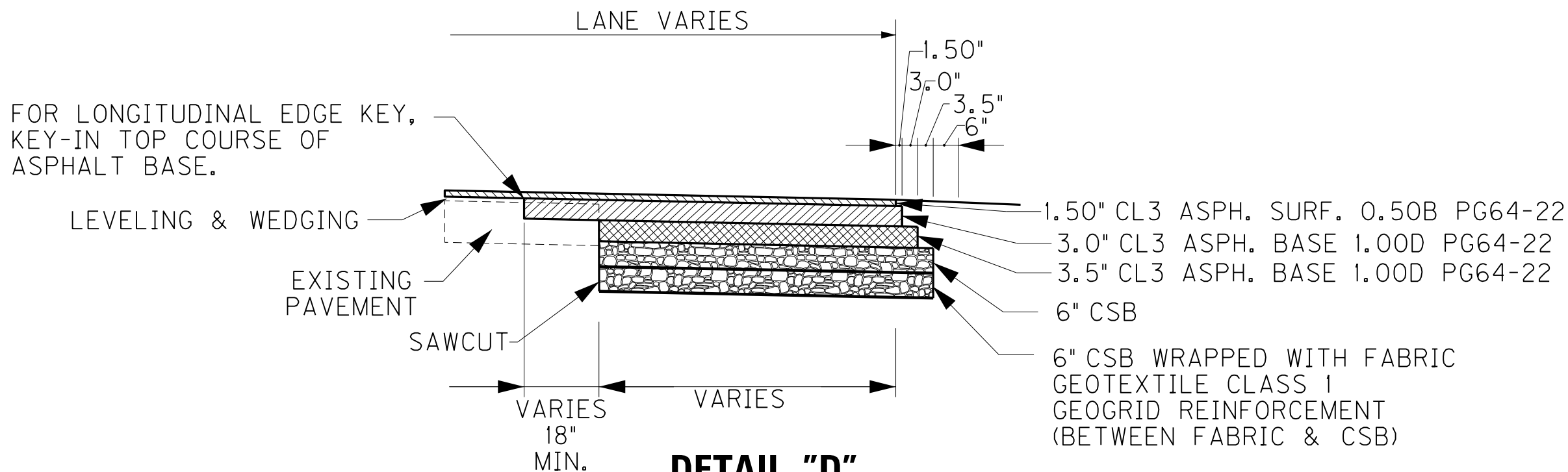
COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT



DETAIL "F"



DETAIL "E"



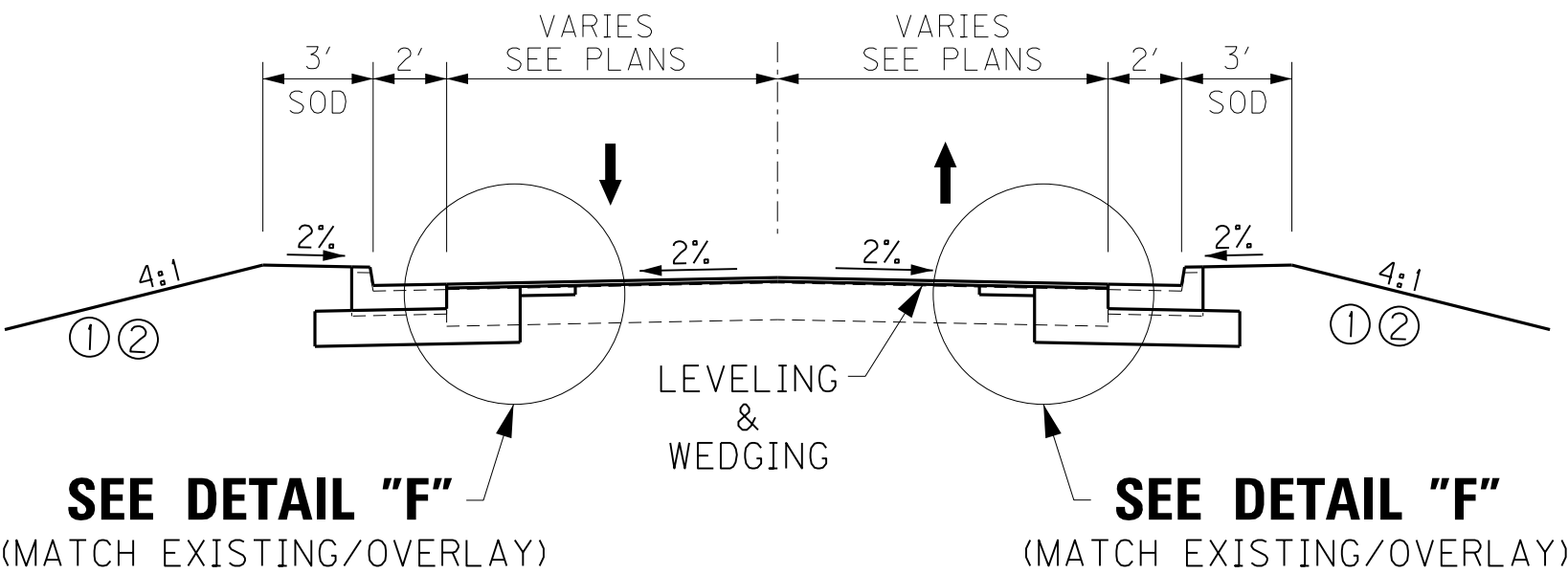
DETAIL "D"

TYPICAL SECTIONS

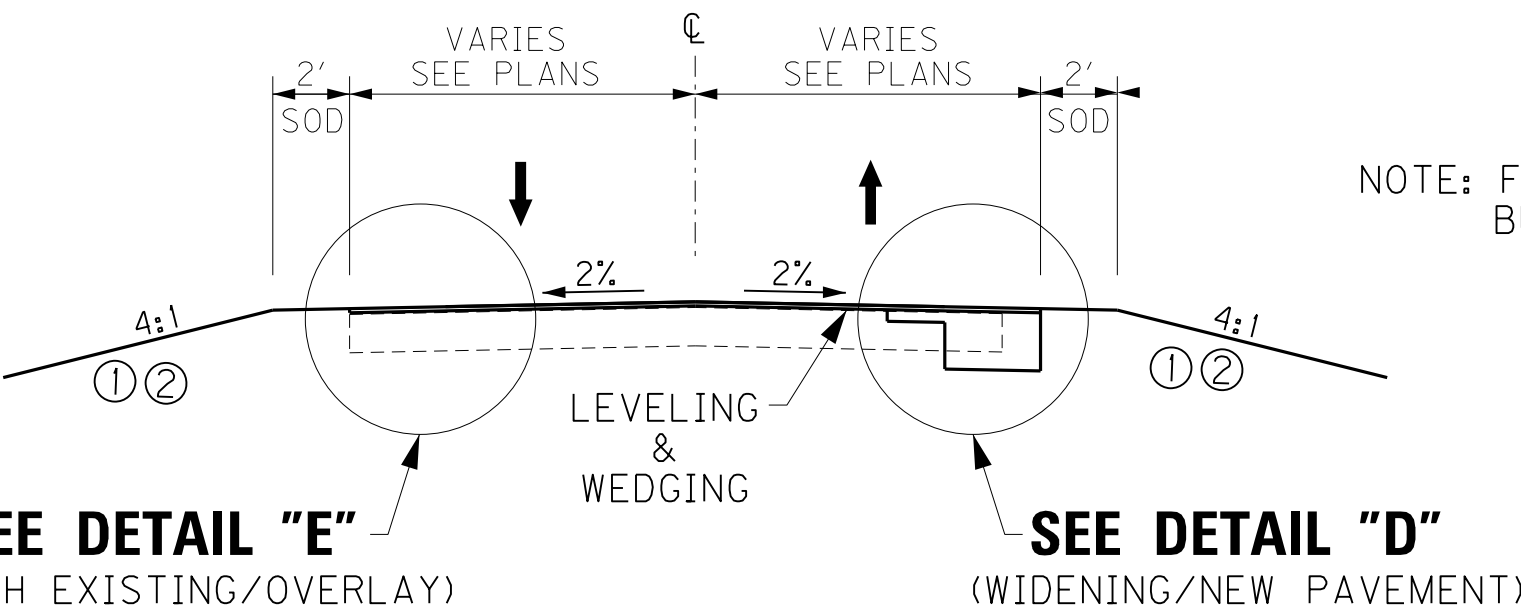
COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2b

NOTES:

- ① SEE CROSS-SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER
- ② EXTEND SOD TO DISTURB LIMIT

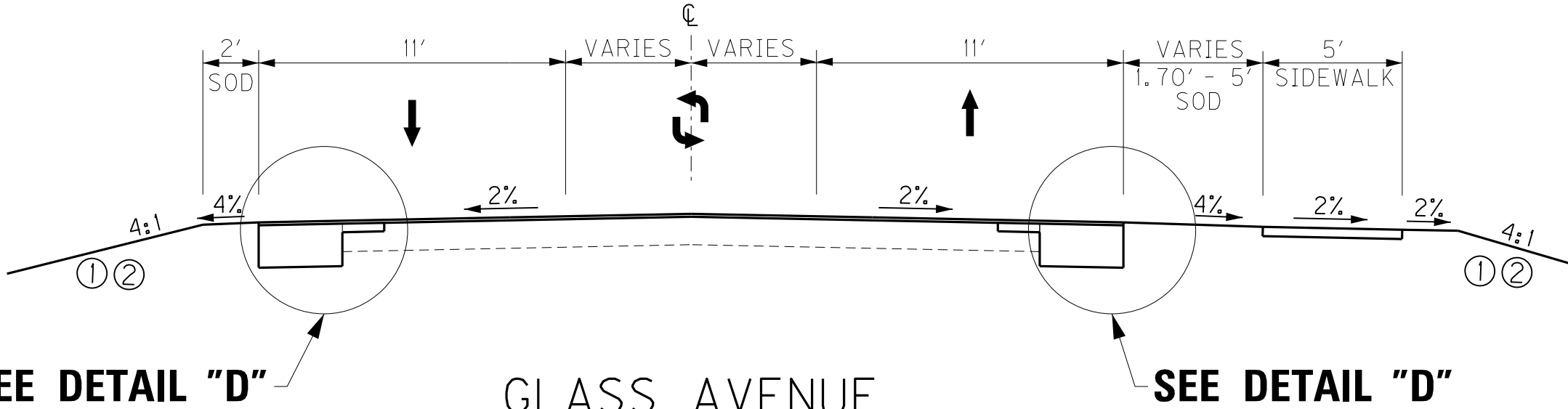


DAWSON SPRINGS RD, WILDWOOD DR,
ROSE DR, WESTWOOD DR, SENIOR ENTR

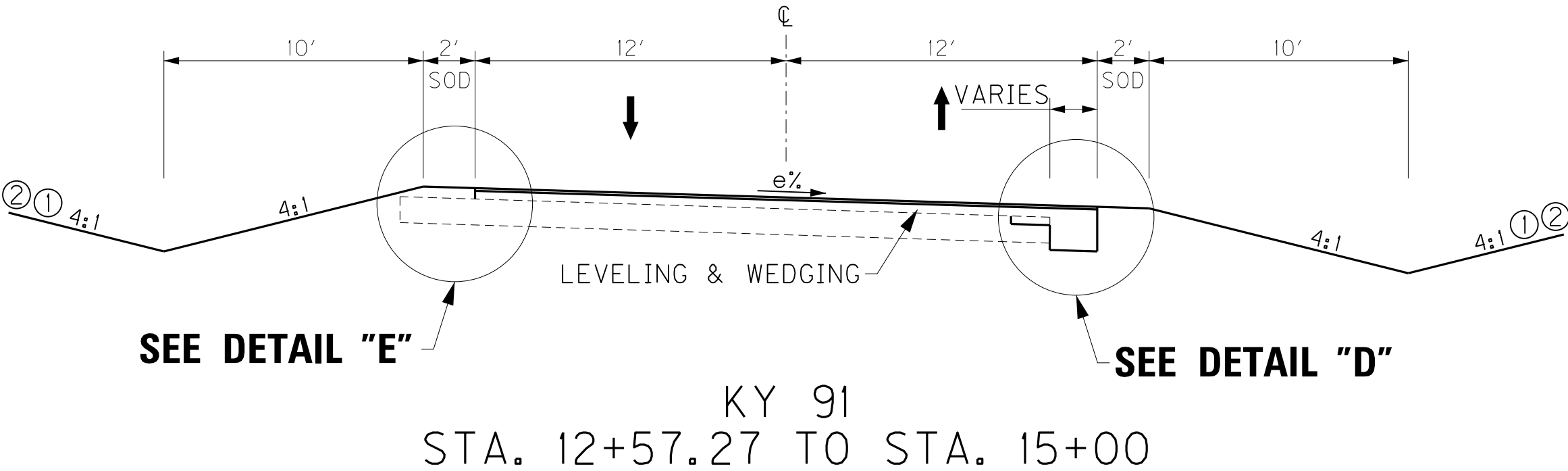


NOTE: FULL DEPTH / FULL WIDTH PAVEMENT REPLACEMENT -
BUTTERMILK RD, HILL ST, WESTSIDE CT, DISPOSAL RD

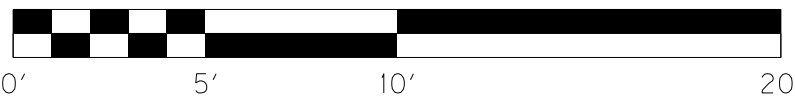
BUTTERMILK RD, HILL ST, WESTSIDE CT, McCARGO LN,
MARGARET PL, DISPOSAL RD, EARL DR, WESTGATE DR



GLASS AVENUE
STA. 50+32.14 TO STA. 52+00



KY 91
STA. 12+57.27 TO STA. 15+00



FILE NAME: \\GLOBAL.GSPDATA\\NFLO_NF024373010101\\WORK\\01\\CAD\\2-899_US88_FINAL_PLANS_SUBMITTAL\\ROADWAY\\R00200T5.DGN

USER: dsjll
DATE PLOTTED: December 3, 2024

E-SHEET NAME: R00200T5

Power InRoads v8.11.9.387

US 68 ROAD & APPROACH ROADS

FULL-DEPTH WIDENING & TRAFFIC LANES
GEOGRID REINFORCEMENT
6" CSB (WRAPPED WITH FABRIC - GEOTEXTILE CLASS 1)
6" CSB
3.5" CL3 ASPHALT BASE 1.00D PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

OVERLAY
LEVELING & WEDGING PG64-22
3.0" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

MULTI-USE PATH & SIDEWALK

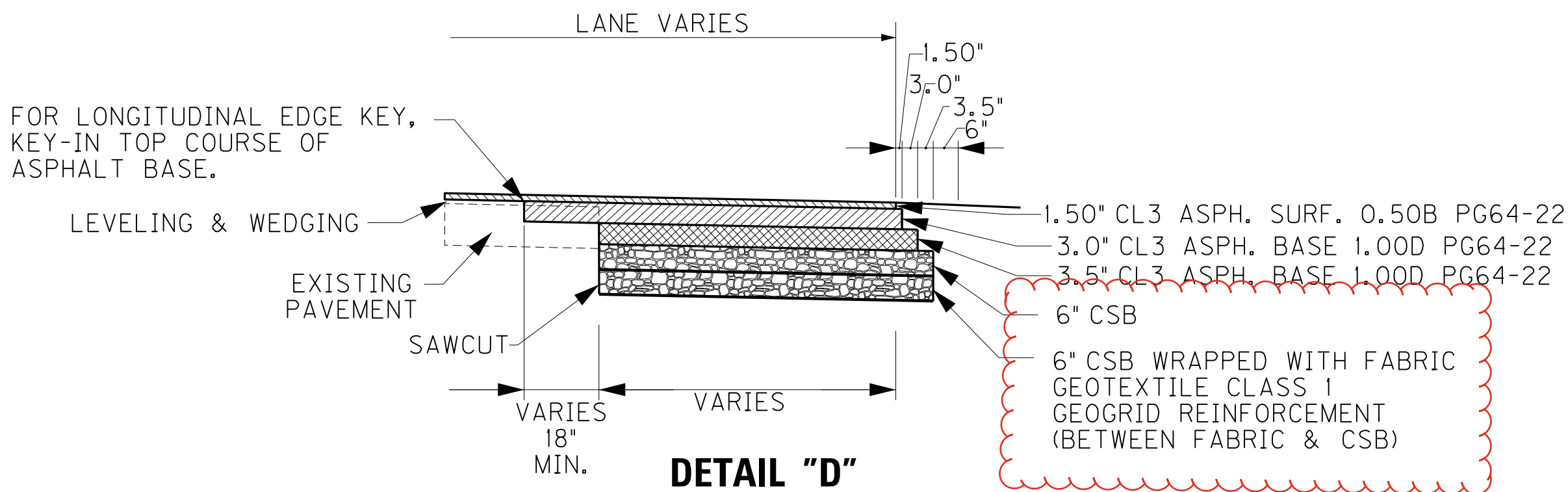
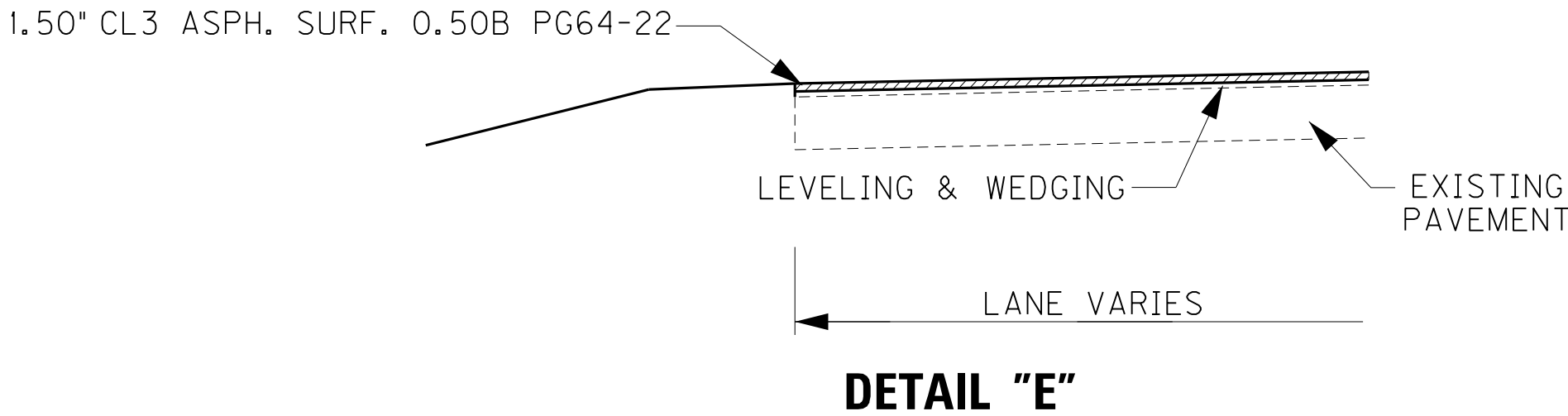
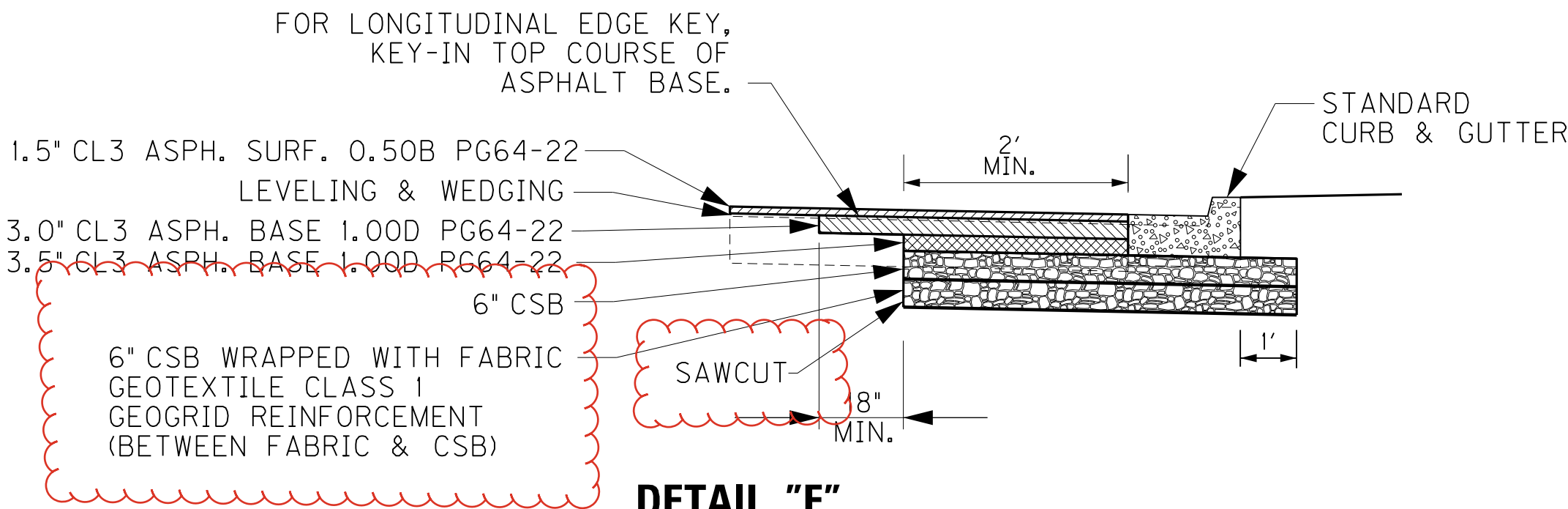
4" DGA
4" CLASS "A" CONCRETE

ENTRANCE CONSTRUCTION

COMMERCIAL ASPHALT ENTRANCES:
6" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

RESIDENTIAL ASPHALT ENTRANCES:
4" CSB
3.75" CL3 ASPHALT BASE 1.00D PG64-22
1.5" CL3 ASPHALT SURFACE 0.50B PG64-22

COMMERICAL/RESIDENTIAL CONCRETE ENTRANCES:
4" CSB
8" NON-REINFORCED JPC PAVEMENT

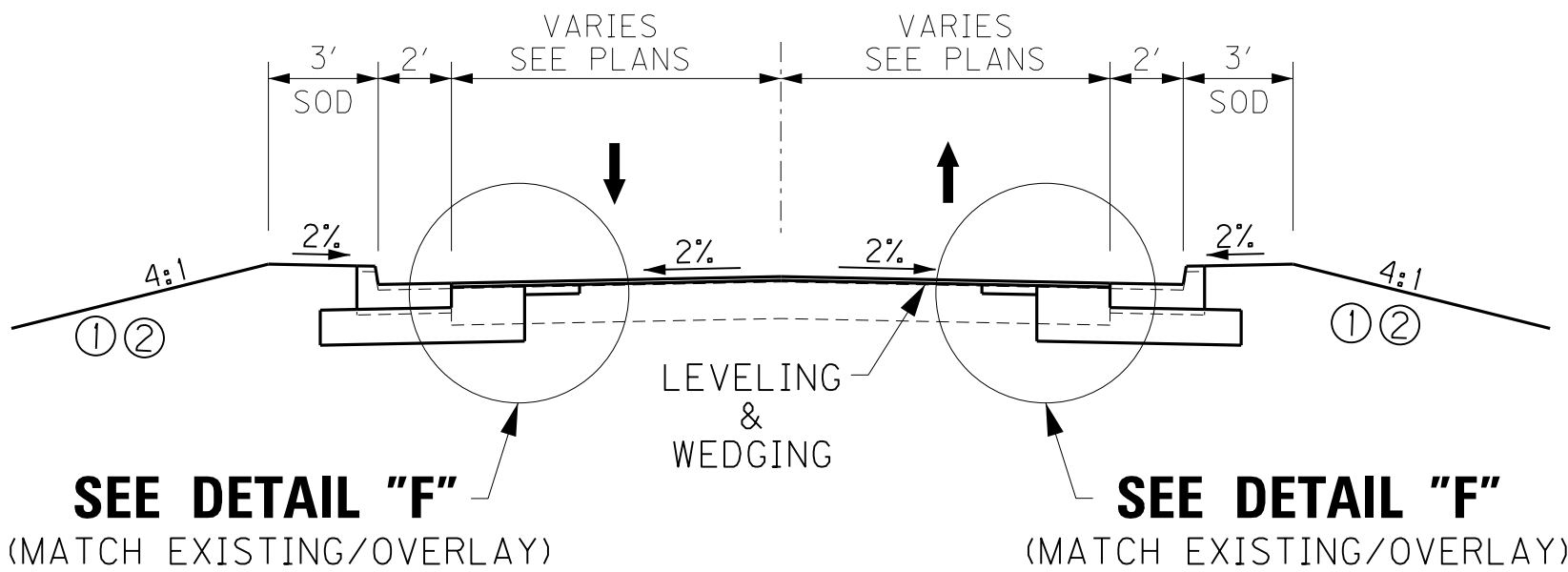


TYPICAL SECTIONS

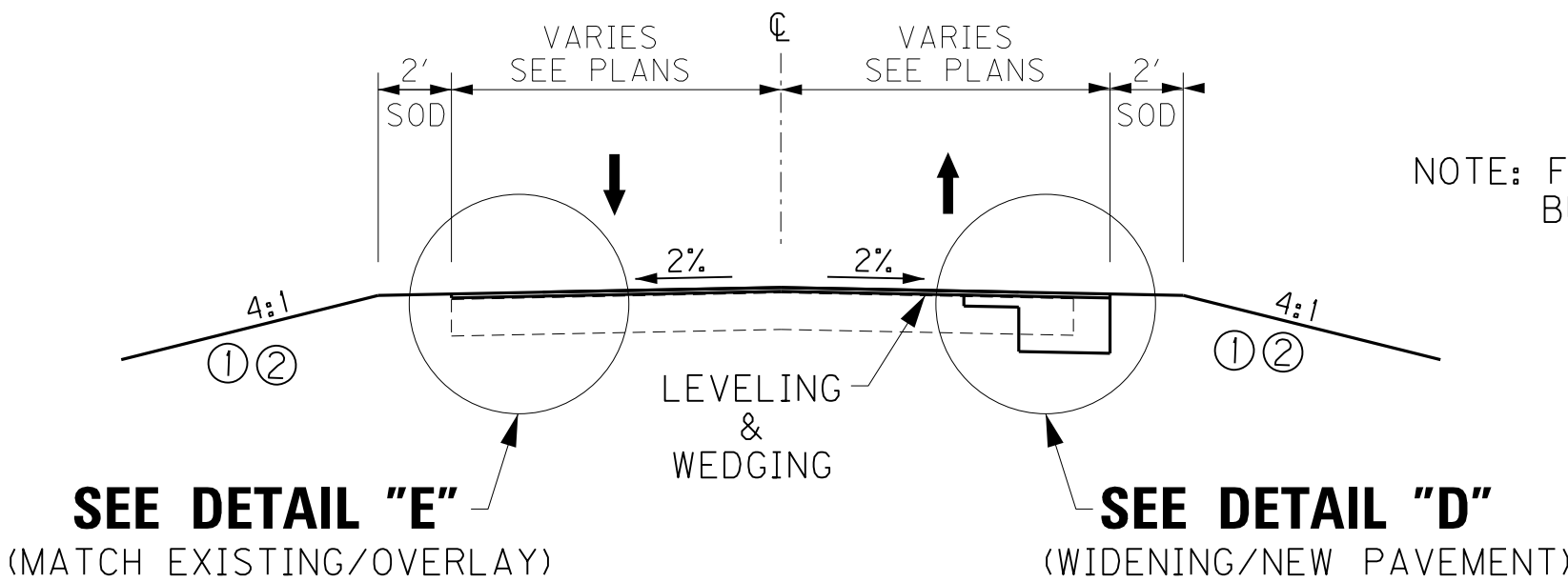
COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2b

NOTES:

- ① SEE CROSS-SECTIONS FOR SLOPES
OUTSIDE THE LIMITS OF THE SHOULDER
- ② EXTEND SOD TO DISTURB LIMIT

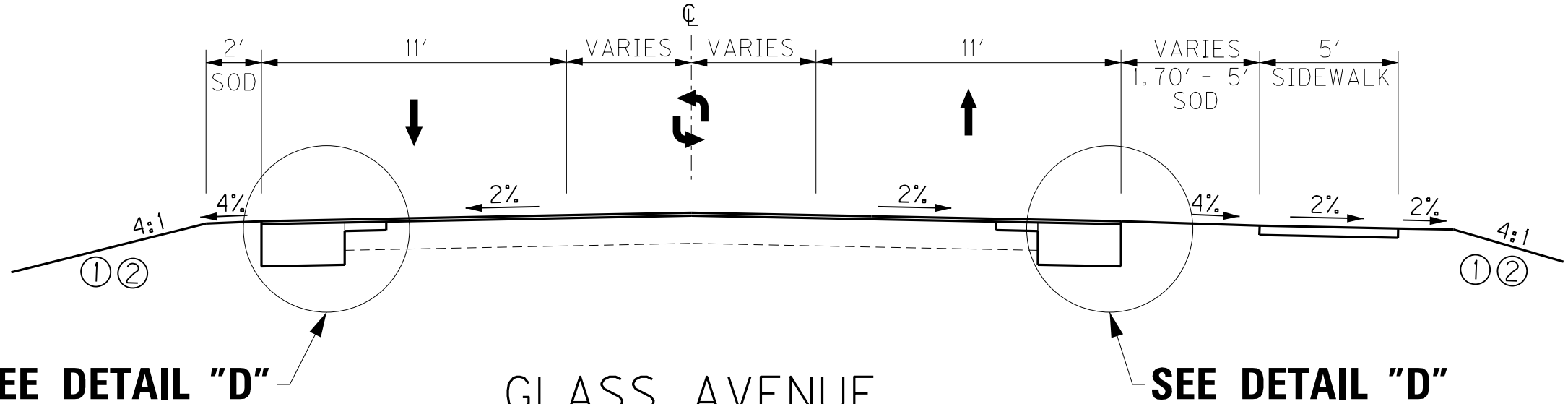


DAWSON SPRINGS RD, WILDWOOD DR,
ROSE DR, WESTWOOD DR, SENIOR ENTR

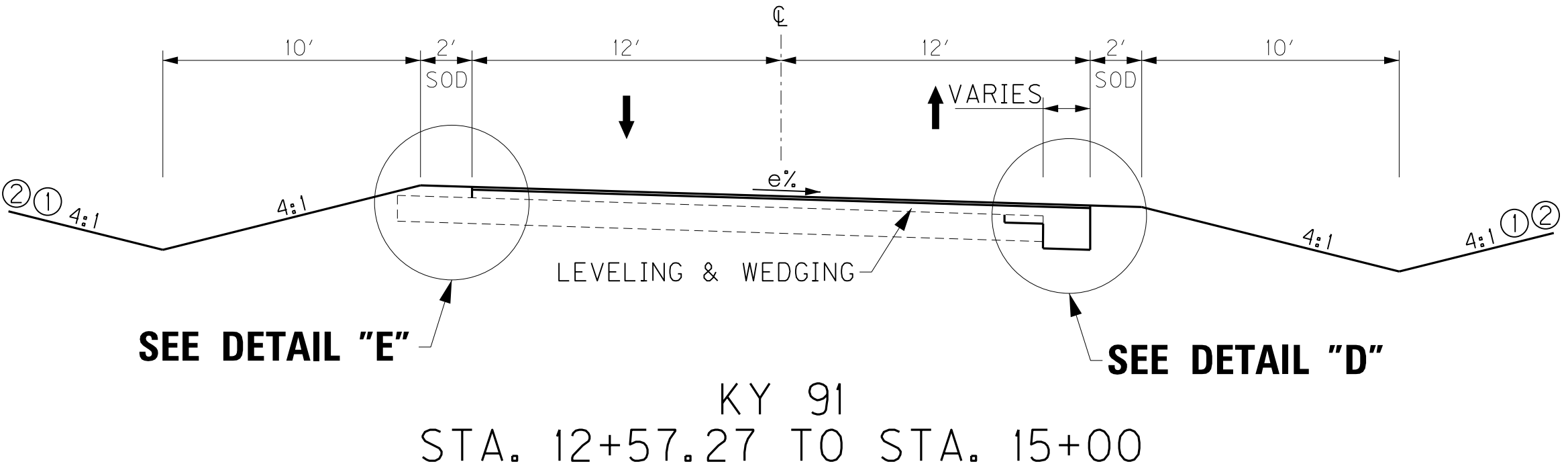


NOTE: FULL DEPTH / FULL WIDTH PAVEMENT REPLACEMENT -
BUTTERMILK RD, HILL ST, WESTSIDE CT, DISPOSAL RD

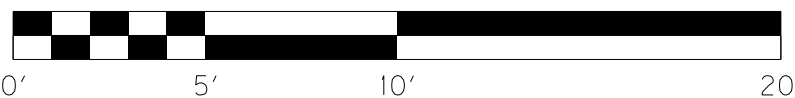
BUTTERMILK RD, HILL ST, WESTSIDE CT, McCARGO LN,
MARGARET PL, DISPOSAL RD, EARL DR, WESTGATE DR



GLASS AVENUE
STA. 50+32.14 TO STA. 52+00



KY 91
STA. 12+57.27 TO STA. 15+00



FILE NAME: \\GLOBAL\GSP\DATA\NF\LO\NF02\431730\0\WORK\0\CAD\2-899\US68_FINAL_PLANS_SUBMITTAL\ROADWAY\RO0200SU.DGN

USER: dstjl
DATE PLOTTED: October 24, 2024

E-SHEET NAME: RO0200SU

Power InRoads v8.11.9.397

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	US 68		KY 91		MOT										PROJECT TOTALS
1000	PERFORATED PIPE - 4 INCH	LF	356														356
1691	FLUME INLET TYPE 2	EACH	1														1
1810	STANDARD CURB AND GUTTER	LF	7,569														7,569
1875	STANDARD HEADER CURB	LF	2,235														2,235
1880	BARRIER HEADER CURB	LF	705														705
1939	MOUNTABLE MEDIAN TYPE 3	SOYD	28														28
2016	REMOVE CONCRETE ISLAND	SOYD	43														43
2159	TEMPORARY DITCH	LF	2,718		113												2,831
2160	CLEAN TEMPORARY DITCH	LF	1,359		57												1,416
2230	EMBANKMENT IN PLACE	CUYD	13,014		114												13,128
2242	WATER	MGAL	206		9												215
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	503.75														503.75
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	1														1
20191ED	OBJECT MARKER TYPE 3	EACH	1														1
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2														2
2381	REMOVE GUARDRAIL	LF	752														752
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	38		2												40
2432	WITNESS POST	EACH	3														3
2471	FILL AND CAP SINKHOLE - STA. 428+14, 47' RT. (DRYWELL)	EACH	1														1
2484	CHANNEL LINING CLASS III	TON	185														185
2545	CLEARING AND GRUBBING	LS															1
2562	TEMPORARY SIGNS	SQFT					300										300
2568	MOBILIZATION	LS															1
2569	DEMOBILIZATION	LS															1
2585	EDGE KEY	LF	541		24												565
2602	FABRIC - GEOTEXTILE CLASS 1	SOYD	27,415														27,415
2650	MAINTAIN & CONTROL TRAFFIC	LS															1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2														2
2676	MOBILIZATION FOR MILL & TEXT	LS															1
20166ES810	TEMPORARY PIPE	LF					527										527
2690	SAFELoADING	CUYD	3.6														3.6
2701	TEMPORARY SILT FENCE	LF	2,718		113												2,831
2703	SILT TRAP TYPE A	EACH															16
2704	SILT TRAP TYPE B	EACH															16
2705	SILT TRAP TYPE C	EACH															16
2706	CLEAN SILT TRAP TYPE A	EACH															16
2707	CLEAN SILT TRAP TYPE B	EACH															16
2708	CLEAN SILT TRAP TYPE C	EACH															16
2720	SIDEWALK - 4 INCH CONCRETE (MULTI-USE PATH)	SOYD	4,148														4,148
2720	SIDEWALK - 4 INCH CONCRETE	SOYD	1,663														1,663
23158ES505	DETECTABLE WARNINGS	SQFT	1,521														1,521
1	DGA BASE (FOR SIDEWALK AND MULTI-USE PATH)	TON	1,337														1,337
2726	STAKING	LS															1
2775	ARROW PANEL	EACH	4														4
5952	TEMPORARY MULCH	SOYD	50,271														50,271
5953	TEMP SEEDING AND PROTECTION	SOYD	37,704														37,704
5963	INITIAL FERTILIZER	TON	2.70														2.70
5964	MAINTENANCE FERTILIZER	TON	1.62														1.62
5985	SEEDING AND PROTECTION	SOYD	15,553														15,553
5990	SODDING	SOYD	14,595														14,595
5992	AGRICULTURAL LIMESTONE	TON	32.4														32.4

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2d

NOTES:

- ① APPROXIMATELY 15.58 ACRES
- ② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY (200 MGAL/MILE)
- ③ EARTHWORK

EXCAVATION
8,109 C.Y. COM FROM CROSS SECTIONS
1,142 C.Y. EMB. FOUND. BENCHING
9,251 C.Y. TOTAL
EMBANKMENT
11,986 C.Y. EMB FROM CROSS SECTIONS
1,142 C.Y. EMB. FOUND. BENCHING
13,128 C.Y. TOTAL

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

- ④ FOR WRAPPING 12" CRUSHED STONE BASE ON MAINLINE PAVEMENT AND FOR STABILIZED ROADBED PER GEOTECHNICAL NOTE 12
- ⑤ SEE GEOTECHNICAL NOTES 11 AND 14 FOR LOCATIONS
- ⑥ SAWCUT OF EXISTING ASPHALT PAVEMENT IN PARKING LOTS INCIDENTAL TO HEADER CURB. SEE "SAWCUT IN ASPHALT" NOTE ON R2J FOR ADDITIONAL DETAIL.

FILE NAME: \\GLOBAL\GSP\DATA\NF\LO\NF02\431730\IOWORK\OICAD\2-899\US68_FINAL_PLANS_SUBMITTAL\ROADWAY\RO0200SU.DGN

USER: dstjl
DATE PLOTTED: October 24, 2024

E-SHEET NAME: RO0200SU

Power InRoads v8.11.9.397

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	US 68		KY 91		MOT										PROJECT TOTALS
1000	PERFORATED PIPE - 4 INCH	LF	356														356
1691	FLUME INLET TYPE 2	EACH	1														1
1810	STANDARD CURB AND GUTTER	LF	7,569														7,569
1875	STANDARD HEADER CURB	LF	2,235														2,235
1880	BARRIER HEADER CURB	LF	705														705
1939	MOUNTABLE MEDIAN TYPE 3	SOYD	28														28
2016	REMOVE CONCRETE ISLAND	SOYD	43														43
2159	TEMPORARY DITCH	LF	2,718		113												2,831
2160	CLEAN TEMPORARY DITCH	LF	1,359		57												1,416
2230	EMBANKMENT IN PLACE	CUYD	13,014		114												13,128
2242	WATER	MGAL	206		9												215
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	503.75														503.75
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	1														1
20191ED	OBJECT MARKER TYPE 3	EACH	1														1
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	2														2
2381	REMOVE GUARDRAIL	LF	752														752
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	38		2												40
2432	WITNESS POST	EACH	3														3
2471	FILL AND CAP SINKHOLE - STA. 428+14, 47' RT. (DRYWELL)	EACH	1														1
2484	CHANNEL LINING CLASS III	TON	185														185
2545	CLEARING AND GRUBBING	LS															1
2562	TEMPORARY SIGNS	SQFT					300										300
2568	MOBILIZATION	LS															1
2569	DEMOBILIZATION	LS															1
2585	EDGE KEY	LF	541		24												565
2602	FABRIC - GEOTEXTILE CLASS 1	SOYD	27,415														27,415
2650	MAINTAIN & CONTROL TRAFFIC	LS															1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2														2
2676	MOBILIZATION FOR MILL & TEXT	LS															1
20166ES810	TEMPORARY PIPE	LF					527										527
2690	SAFELoADING	CUYD	3.6														3.6
2701	TEMPORARY SILT FENCE	LF	2,718		113												2,831
2703	SILT TRAP TYPE A	EACH															16
2704	SILT TRAP TYPE B	EACH															16
2705	SILT TRAP TYPE C	EACH															16
2706	CLEAN SILT TRAP TYPE A	EACH															16
2707	CLEAN SILT TRAP TYPE B	EACH															16
2708	CLEAN SILT TRAP TYPE C	EACH															16
2720	SIDEWALK - 4 INCH CONCRETE (MULTI-USE PATH)	SOYD	4,148														4,148
2720	SIDEWALK - 4 INCH CONCRETE	SOYD	1,663														1,663
23158ES505	DETECTABLE WARNINGS	SQFT	1,521														1,521
1	DGA BASE (FOR SIDEWALK AND MULTI-USE PATH)	TON	1,337														1,337
2726	STAKING	LS															1
2775	ARROW PANEL	EACH	4														4
5952	TEMPORARY MULCH	SOYD	50,271														50,271
5953	TEMP SEEDING AND PROTECTION	SOYD	37,704														37,704
5963	INITIAL FERTILIZER	TON	2.70														2.70
5964	MAINTENANCE FERTILIZER	TON	1.62														1.62
5985	SEEDING AND PROTECTION	SOYD	15,553														15,553
5990	SODDING	SOYD	14,595														14,595
5992	AGRICULTURAL LIMESTONE	TON	32.4														32.4

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2d

NOTES:

- ① APPROXIMATELY 15.58 ACRES
- ② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY (200 MGAL/MILE)
- ③ EARTHWORK

EXCAVATION
8,109 C.Y. COM FROM CROSS SECTIONS
1,142 C.Y. EMB. FOUND. BENCHING
9,251 C.Y. TOTAL
EMBANKMENT
11,986 C.Y. EMB FROM CROSS SECTIONS
1,142 C.Y. EMB. FOUND. BENCHING
13,128 C.Y. TOTAL

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

- ④ FOR WRAPPING 12" CRUSHED STONE BASE ON MAINLINE PAVEMENT AND FOR STABILIZED ROADBED PER GEOTECHNICAL NOTE 12
- ⑤ SEE GEOTECHNICAL NOTES 11 AND 14 FOR LOCATIONS
- ⑥ SAWCUT OF EXISTING ASPHALT PAVEMENT IN PARKING LOTS INCIDENTAL TO HEADER CURB. SEE "SAWCUT IN ASPHALT" NOTE ON R2J FOR ADDITIONAL DETAIL.

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2e

NOTES:

[illegible]

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2e

NOTES:

[illegible]

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

FILE NAME: \\GLOBAL_GSP\\DATA\\NF\\LO\\NF02\\4317301\\WORK\\OICAD\\2-899_US68_FINAL_PLANS_SUBMITTAL\\ROADWAY\\R0020ESU.DGN

USER: dstil
DATE PLOTTED: October 24, 2024

E-SHEET NAME: R0020ESU

Power InRoads v8.11.9.397

PAVING AREAS

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2i

PAVING SUMMARY

	ITEM CODE	ITEM	UNIT	US 68	KY 91	GLASS AVE.	M.O.T.			TOTAL PROJECT
①	3	CRUSHED STONE BASE	TON	9,910	218	27	1,469			11,624
	5	GEOGRID REINFORCEMENT FOR SUBGRADE	SQYD	11,237	316	39				11,592
④	78	CRUSHED AGGREGATE SIZE NO 2	TON	2,908						2,908
②	190	LEVELING & WEDGING PG64-22	TON	1,141	105	10				1,256
	214	CL3 ASPH BASE 1.00D PG64-22	TON	7,215	110	17	1,032			8,374
	324	CL3 ASPHALT SURFACE 0.50B PG64-22	TON	2,483	59	56	511			3,109
	2084	JPC PAVEMENT-8 INCH	SQYD	616						616
	2101	CEM CONC ENT PAVEMENT-8 INCH	SQYD	1,067						1,067
	2677	ASPHALT PAVE MILLING & TEXTURING	TON	191	5	12				208
⑤	356	ASPHALT MATERIAL FOR TACK	TON	20.0	0.6	0.6	2.6			23.8
⑤	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON	16.7	0.5	0.5	2.2			19.8

NOTES

ALL ASHALT MIXTURES SHALL BE
ESTIMATED AT 110 LBS. PER SQ. YD.
PER INCH OF DEPTH, UNLESS NOTED
OTHERWISE.

- ① ESTIMATED AT 115 LBS. PER SQ. YD.
PER INCH OF DEPTH.
- ② ESTIMATED AT 100 LBS. PER SQ. YD.
PER INCH OF DEPTH.
- ③ INCLUDES 250 TONS FOR PAVEMENT EDGE
DROP OFFS AND MAINTAINING DRIVEWAYS WHEN
NEEDED DURING MAINTENANCE OF TRAFFIC.
- ④ PER GEOTECHNICAL NOTE 12 - 15" STABILIZED
ROADBED TO CONSIST OF 2s, 3s, OR 23s WITH
CLASS 1 FABRIC ON TOP AND BOTTOM. ESTIMATED
BASED ON BEING USED FOR CROSS-OVERS, TIE-INS,
AND NARROW PART-WIDTH CONSTRUCTION AREAS.
- ⑤ BOTH ASPHALT MATERIAL FOR TACK AND ASPHALT
MATERIAL FOR TACK NON-TRACKING ARE SHOWN.
PLACEMENT OF ASPHALT MATERIAL FOR TACK
NON-TRACKING IS NOT PERMITTED FROM
OCTOBER 1ST TO MAY 15TH. SEE SPECIAL NOTE.

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

US 68 PAVING AREAS & SUMMARY SHEET

PAVING AREAS

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-899.00	R2i

PAVING SUMMARY

	ITEM CODE	ITEM	UNIT	US 68	KY 91	GLASS AVE.	M.O.T.			TOTAL PROJECT
①	3	CRUSHED STONE BASE	TON	9,910	218	27	1,469			11,624
	5	GEOGRID REINFORCEMENT FOR SUBGRADE	SQYD	11,237	316	39				11,592
④	78	CRUSHED AGGREGATE SIZE NO 2	TON	2,908						2,908
②	190	LEVELING & WEDGING PG64-22	TON	1,141	105	10				1,256
	214	CL3 ASPH BASE 1.00D PG64-22	TON	7,215	110	17	1,032			8,374
	324	CL3 ASPHALT SURFACE 0.50B PG64-22	TON	2,483	59	56	511			3,109
	2084	JPC PAVEMENT-8 INCH	SQYD	616						616
	2101	CEM CONC ENT PAVEMENT-8 INCH	SQYD	1,067						1,067
	2677	ASPHALT PAVE MILLING & TEXTURING	TON	191	5	12				208
⑤	356	ASPHALT MATERIAL FOR TACK	TON	20.0	0.6	0.6	2.6			23.8
⑤	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON	16.7	0.5	0.5	2.2			19.8

NOTES

ALL ASHALT MIXTURES SHALL BE
ESTIMATED AT 110 LBS. PER SQ. YD.
PER INCH OF DEPTH, UNLESS NOTED
OTHERWISE.

- ① ESTIMATED AT 115 LBS. PER SQ. YD.
PER INCH OF DEPTH.
- ② ESTIMATED AT 100 LBS. PER SQ. YD.
PER INCH OF DEPTH.
- ③ INCLUDES 250 TONS FOR PAVEMENT EDGE
DROP OFFS AND MAINTAINING DRIVEWAYS WHEN
NEEDED DURING MAINTENANCE OF TRAFFIC.
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ROADBED TO CONSIST OF 2s, 3s, OR 23s WITH
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PLACEMENT OF ASPHALT MATERIAL FOR TACK
NON-TRACKING IS NOT PERMITTED FROM
OCTOBER 1ST TO MAY 15TH. SEE SPECIAL NOTE.

US 68 PAVING AREAS & SUMMARY SHEET

[illegible]

NOTE - US 68 QUANTITY INCLUDES ALL MINOR SIDE STREET APPROACHES.

FILE NAME: C:\TMP\PIWISE\DISTIL\DMS51221\3173TPAVSUM.DGN

USER: dstil
DATE PLOTTED: December 3, 2024

200201SU

Power InRoads v8.11.9.397

FILE NAME: \\GLOBAL\GSP\DATA\NF\LO\NF02\431730\WORK\ICAD\2-899\US68-FINAL_PLANS_SUBMITTAL\ROADWAY\RO020JGN.DGN

USER: dsthl
DATE PLOTTED: December 5, 2024

E-SHEET NAME: RO020JGN

Power InRoads v8.11.9.397

GENERAL NOTES

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "KENTUCKY TRANSPORTATION CABINET/DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", STANDARD DRAWINGS, MANUALS, GUIDELINES, AND M.U.T.C.D., LATEST EDITIONS, UNLESS OTHERWISE NOTED IN THESE PLANS.

CONTROL OF WORK

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AND COOPERATE WITH OTHER CONTRACTORS, E.G. PUBLIC UTILITY COMPANIES, SO THAT INTERFERENCE WITH SUCH OTHER WORK WILL BE REDUCED TO A MINIMUM.

UTILITIES (HAZARDOUS OR FLAMMABLE MATERIALS)

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

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

NOTICE - CAUTION - CLASSIFICATION

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE EXCAVATION SHALL BE UNCLASSIFIED AND SHALL BE DESIGNATED AS "ROADWAY EXCAVATION". IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS-SECTIONS, WHETHER IN NUMBERS, WORDS, LETTERS OR LINES, IS SOLELY FOR THE DEPARTMENT'S INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

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.

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.

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. (502) 564-3670
http://transportation.ky.gov/Highway-Design/Pages/Standard-Drawings.aspx

ASPHALT PAVEMENT RIDE QUALITY

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

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.

SODDING

SODDING QUANTITIES AS SHOWN ON PLANS INCLUDE ALL AREAS INDICATED ON TYPICAL SECTIONS AS SODDED. AREAS NEAR THE CULVERT EXTENSION TO BE SEED AND PROTECTED.

SODDING IN RESIDENTIAL YARDS

SOD WILL BE CONSTRUCTED IN ALL RESIDENTIAL YARDS ON THE PROJECT TO THE LIMITS OF DISTURBANCE.

SEEDING AND PROTECTION

CONSTRUCT PERMANENT SEEDING ACCORDING TO THE SPECIFICATIONS (LATEST EDITION) USING MIXTURE TYPE II. DO NOT USE CROWN VETCH AS INDICATED IN THE SPECIFICATIONS ON THOSE AREAS HAVING A SLOPES OF 3:1 OR GREATER AND/OR ROCKY SOIL, BUT USE SEED MIXTURE TYPE II.

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.

CONCRETE

ENSURE CLASS "A" CONCRETE IS USED THROUGHOUT.

CONCRETE ENTRANCE PAVEMENT AND RAMPS

IN GENERAL CONTRACTOR SHALL CONSTRUCT CONCRETE ENTRANCE PAVEMENT AND SIDEWALK RAMPS IN ACCORDANCE WITH THE DETAILS AS SHOWN IN THE KDOH STANDARD DRAWINGS AND TO THE LAYOUT AS SHOWN IN THE PLANS. CONTRACTOR NEEDS TO BE AWARE OF DETAILS IN THE TYPICAL SECTIONS FOR PAY LIMITS FOR CONC. ENTRANCE PAVEMENT AND FOR RAMPS AS CONSTRUCTED WITH MULTI-USE PATHS. CONTRACTOR SHALL NOTE MATERIAL TO BE USED IN VARYING SITUATIONS WITH THE MULTI-USE PATH.

SIDEWALK RAMPS

RAMPS SHALL BE PAID PER SQ. YARD OF 4" CONC. SIDEWALK AND THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB ALONG RAMPS AND BEHIND RAMP AND LANDING, AND ALL INCIDENTALS NECESSARY FOR CONSTRUCTION. THE CONTRACTOR WILL ENSURE THAT THE RAMPS SHALL BE CONSTRUCTED AT A GRADE NOT TO EXCEED 12:1 AND AT CROSS-SLOPE NOT TO EXCEED 2%. DETECTABLE WARNINGS SHALL BE A SEPARATE BID ITEM.

MULTI-USE PATH

THE MULTI-USE PATH SHALL BE PAID FOR PER SQ. YD. OF 4" CONC. SIDEWALK WITHIN LIMITS SHOWN AND AS NOTED IN THE DETAIL IN THE TYPICAL SECTIONS. THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB ALONG RAMPS AND BEHIND RAMP AND LANDING, AND ALL INCIDENTALS NECESSARY FOR CONSTRUCTION. THE RAMP DOWN TO THE CONCRETE LANDING ON THE MULTI-USE PATH WILL BE PAID FOR PER SQ. YD. OF MULTI-USE PATH ASPHALT PAVEMENT DESIGN. THE CONTRACTOR WILL ENSURE THAT THE RAMPS SHALL BE CONSTRUCTED AT A GRADE NOT TO EXCEED 12:1 AND A CROSS-SLOPE NOT TO EXCEED 2%.

DETECTABLE WARNINGS FOR SIDEWALK RAMPS

DETECTABLE WARNINGS AT ALL SIDEWALK RAMPS WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND SHALL BE PAID PER SQ. FT.

SAWCUT IN ASPHALT

WHEN CONSTRUCTING PAVEMENT WIDENING FOR ALL ROADWAYS AND APPROACHES, SAW EXISTING ASPHALT TO MINIMIZE DAMAGE TO EXISTING PAVEMENT AND TO ENSURE THAT ANY BROKEN OR UNSTABLE PAVEMENT IS REMOVED BEFORE WIDENING. THIS WORK CONSISTS OF MAKING A CLEAN CUT THROUGH THE EXISTING ASPHALT PAVEMENT AT THE LOCATION DESIGNATED BY THE ENGINEER TO THE DEPTH NEEDED FOR NEW DESIGN AND AS NECESSARY FOR LONGITUDINAL EDGE KEY CONSTRUCTION (SEE DETAIL ON TYPICAL SECTIONS.) WORK ALSO INCLUDES FULL-DEPTH REMOVAL OF ALL MATERIALS.

WHEN CONSTRUCTING HEADER CURB IN EXISTING ASPHALT PAVEMENT IN PARKING LOTS, SAW EXISTING ASPHALT TO MINIMIZE DAMAGE TO EXISTING PAVEMENT. THIS WORK CONSISTS OF MAKING A CLEAN CUT THROUGH THE EXISTING ASPHALT PAVEMENT AT THE LOCATION DESIGNATED BY THE ENGINEER TO THE DEPTH NEEDED FOR NEW DESIGN. WORK ALSO INCLUDES FULL-DEPTH REMOVAL OF ALL MATERIALS. SAWCUTTING FOR THIS PURPOSE AND PAVEMENT REPLACEMENT AND RESTORATION WILL BE CONSIDERED INCIDENTAL TO THE BID ITEM FOR HEADER CURB.

REMOVE GUARDRAIL

SALVAGE EXISTING MATERIAL AS PER SECTION 719.03.07, EXCEPT THAT THE CONTRACTOR SHALL DELIVER EXISTING SALVAGED GUARDRAIL SYSTEM MATERIALS TO THE DISTRICT SHOP. REMOVE ANY EXISTING GUARDRAIL WITH A LANE CLOSURE IN PLACE. DO NOT LEAVE THE AREA UNPROTECTED. AFTER THE GUARDRAIL IS REMOVED, A SHOULDER CLOSURE SHALL REMAIN IN PLACE UNTIL THE GUARDRAIL IS REPLACED IN THE AREA. LANE AND SHOULDER CLOSURES FOR THIS CONSTRUCTION WILL BE INCIDENTAL TO REMOVE GUARDRAIL.

GUARDRAIL

CONTRACTOR SHALL INSPECT GUARDRAIL TO BE INSTALLED AT STORM PIPES FOR CONFLICTS.

SPECIAL NOTES FOR

SPECIAL NOTE FOR NON-TRACKING TACK COAT
SPECIAL NOTE FOR BARCODE ON PERMANENT SIGNS

FABRIC GEOTEXTILE CLASS 2 FOR PIPE

FABRIC GEOTEXTILE CLASS 2 FOR PIPE WILL BE USED FOR TRENCH LINING AND WILL BE BID AT THE CONTRACT UNIT PRICE PER SQUARE YARD.

PERFORATED PIPE

4" PERFORATED AND NON-PERFORATED PIPE UTILIZED FOR SUBGRADE UNDERDRAINS AS DESIGNATED IN THE *GEOTECHNICAL ENGINEERING ROADWAY REPORT* WILL BE PAID AT THE CONTRACT UNIT PRICE PER LINEAR FOOT. GEOTEXTILE FABRIC USED FOR UNDERDRAINS IS INCIDENTAL TO PERFORATED PIPE.

EXISTING LANE MARKINGS

EXISTING LANE MARKINGS SHALL BE REMOVED BY WATER BLASTING AND REMOVAL WILL BE INCIDENTAL TO THE BID ITEM FOR TEMPORARY STRIPING.

EROSION CONTROL ITEMS

ALL TYPICAL AND SPECIAL DITCHES ALONG US 68 WILL BE CONSTRUCTED USING SOD, EXCEPT IN THOSE AREAS SHOWN ON THE PLANS DESIGNATED FOR CHANNEL LINING CLASS III.

FILE NAME: \\GLOBAL\GSP\DATA\NF\LO\NF02\431730\WORK\0ICAD\2-899-US68-FINAL_PLANS_SUBMITTAL\ROADWAY\RO020JGN.DGN

USER: dsthl
DATE PLOTTED: December 5, 2024

E-SHEET NAME: RO020JGN

Power InRoads v8.11.9.397

GENERAL NOTES

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "KENTUCKY TRANSPORTATION CABINET/DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", STANDARD DRAWINGS, MANUALS, GUIDELINES, AND M.U.T.C.D., LATEST EDITIONS, UNLESS OTHERWISE NOTED IN THESE PLANS.

CONTROL OF WORK

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AND COOPERATE WITH OTHER CONTRACTORS, E.G. PUBLIC UTILITY COMPANIES, SO THAT INTERFERENCE WITH SUCH OTHER WORK WILL BE REDUCED TO A MINIMUM.

UTILITIES (HAZARDOUS OR FLAMMABLE MATERIALS)

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

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

NOTICE - CAUTION - CLASSIFICATION

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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.

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.

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. (502) 564-3670
http://transportation.ky.gov/Highway-Design/Pages/Standard-Drawings.aspx

ASPHALT PAVEMENT RIDE QUALITY

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

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.

SODDING

SODDING QUANTITIES AS SHOWN ON PLANS INCLUDE ALL AREAS INDICATED ON TYPICAL SECTIONS AS SODDED. AREAS NEAR THE CULVERT EXTENSION TO BE SEED AND PROTECTED.

SODDING IN RESIDENTIAL YARDS

SOD WILL BE CONSTRUCTED IN ALL RESIDENTIAL YARDS ON THE PROJECT TO THE LIMITS OF DISTURBANCE.

SEEDING AND PROTECTION

CONSTRUCT PERMANENT SEEDING ACCORDING TO THE SPECIFICATIONS (LATEST EDITION) USING MIXTURE TYPE II. DO NOT USE CROWN VETCH AS INDICATED IN THE SPECIFICATIONS ON THOSE AREAS HAVING A SLOPES OF 3:1 OR GREATER AND/OR ROCKY SOIL, BUT USE SEED MIXTURE TYPE II.

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.

CONCRETE

ENSURE CLASS "A" CONCRETE IS USED THROUGHOUT.

CONCRETE ENTRANCE PAVEMENT AND RAMPS

IN GENERAL CONTRACTOR SHALL CONSTRUCT CONCRETE ENTRANCE PAVEMENT AND SIDEWALK RAMPS IN ACCORDANCE WITH THE DETAILS AS SHOWN IN THE KDOH STANDARD DRAWINGS AND TO THE LAYOUT AS SHOWN IN THE PLANS. CONTRACTOR NEEDS TO BE AWARE OF DETAILS IN THE TYPICAL SECTIONS FOR PAY LIMITS FOR CONC. ENTRANCE PAVEMENT AND FOR RAMPS AS CONSTRUCTED WITH MULTI-USE PATHS. CONTRACTOR SHALL NOTE MATERIAL TO BE USED IN VARYING SITUATIONS WITH THE MULTI-USE PATH.

SIDEWALK RAMPS

RAMPS SHALL BE PAID PER SQ. YARD OF 4" CONC. SIDEWALK AND THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB ALONG RAMPS AND BEHIND RAMP AND LANDING, AND ALL INCIDENTALS NECESSARY FOR CONSTRUCTION. THE CONTRACTOR WILL ENSURE THAT THE RAMPS SHALL BE CONSTRUCTED AT A GRADE NOT TO EXCEED 12:1 AND AT CROSS-SLOPE NOT TO EXCEED 2%. DETECTABLE WARNINGS SHALL BE A SEPARATE BID ITEM.

MULTI-USE PATH

THE MULTI-USE PATH SHALL BE PAID FOR PER SQ. YD. OF 4" CONC. SIDEWALK WITHIN LIMITS SHOWN AND AS NOTED IN THE DETAIL IN THE TYPICAL SECTIONS. THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB ALONG RAMPS AND BEHIND RAMP AND LANDING, AND ALL INCIDENTALS NECESSARY FOR CONSTRUCTION. THE RAMP DOWN TO THE CONCRETE LANDING ON THE MULTI-USE PATH WILL BE PAID FOR PER SQ. YD. OF MULTI-USE PATH ASPHALT PAVEMENT DESIGN. THE CONTRACTOR WILL ENSURE THAT THE RAMPS SHALL BE CONSTRUCTED AT A GRADE NOT TO EXCEED 12:1 AND A CROSS-SLOPE NOT TO EXCEED 2%.

DETECTABLE WARNINGS FOR SIDEWALK RAMPS

DETECTABLE WARNINGS AT ALL SIDEWALK RAMPS WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND SHALL BE PAID PER SQ. FT.

SAWCUT IN ASPHALT

WHEN CONSTRUCTING PAVEMENT WIDENING FOR ALL ROADWAYS AND APPROACHES, SAW EXISTING ASPHALT TO MINIMIZE DAMAGE TO EXISTING PAVEMENT AND TO ENSURE THAT ANY BROKEN OR UNSTABLE PAVEMENT IS REMOVED BEFORE WIDENING. THIS WORK CONSISTS OF MAKING A CLEAN CUT THROUGH THE EXISTING ASPHALT PAVEMENT AT THE LOCATION DESIGNATED BY THE ENGINEER TO THE DEPTH NEEDED FOR NEW DESIGN AND AS NECESSARY FOR LONGITUDINAL EDGE KEY CONSTRUCTION (SEE DETAIL ON TYPICAL SECTIONS.) WORK ALSO INCLUDES FULL-DEPTH REMOVAL OF ALL MATERIALS.

WHEN CONSTRUCTING HEADER CURB IN EXISTING ASPHALT PAVEMENT IN PARKING LOTS, SAW EXISTING ASPHALT TO MINIMIZE DAMAGE TO EXISTING PAVEMENT. THIS WORK CONSISTS OF MAKING A CLEAN CUT THROUGH THE EXISTING ASPHALT PAVEMENT AT THE LOCATION DESIGNATED BY THE ENGINEER TO THE DEPTH NEEDED FOR NEW DESIGN. WORK ALSO INCLUDES FULL-DEPTH REMOVAL OF ALL MATERIALS. SAWCUTTING FOR THIS PURPOSE AND PAVEMENT REPLACEMENT AND RESTORATION WILL BE CONSIDERED INCIDENTAL TO THE BID ITEM FOR HEADER CURB.

REMOVE GUARDRAIL

SALVAGE EXISTING MATERIAL AS PER SECTION 719.03.07, EXCEPT THAT THE CONTRACTOR SHALL DELIVER EXISTING SALVAGED GUARDRAIL SYSTEM MATERIALS TO THE DISTRICT SHOP. REMOVE ANY EXISTING GUARDRAIL WITH A LANE CLOSURE IN PLACE, DO NOT LEAVE THE AREA UNPROTECTED. AFTER THE GUARDRAIL IS REMOVED, A SHOULDER CLOSURE SHALL REMAIN IN PLACE UNTIL THE GUARDRAIL IS REPLACED IN THE AREA. LANE AND SHOULDER CLOSURES FOR THIS CONSTRUCTION WILL BE INCIDENTAL TO REMOVE GUARDRAIL.

GUARDRAIL

CONTRACTOR SHALL INSPECT GUARDRAIL TO BE INSTALLED AT STORM PIPES FOR CONFLICTS.

SPECIAL NOTES FOR

SPECIAL NOTE FOR NON-TRACKING TACK COAT
SPECIAL NOTE FOR BARCODE ON PERMANENT SIGNS

FABRIC GEOTEXTILE CLASS 2 FOR PIPE

FABRIC GEOTEXTILE CLASS 2 FOR PIPE WILL BE USED FOR TRENCH LINING AND WILL BE BID AT THE CONTRACT UNIT PRICE PER SQUARE YARD.

PERFORATED PIPE

4" PERFORATED AND NON-PERFORATED PIPE UTILIZED FOR SUBGRADE UNDERDRAINS AS DESIGNATED IN THE *GEOTECHNICAL ENGINEERING ROADWAY REPORT* WILL BE PAID AT THE CONTRACT UNIT PRICE PER LINEAR FOOT. GEOTEXTILE FABRIC USED FOR UNDERDRAINS IS INCIDENTAL TO PERFORATED PIPE.

EXISTING LANE MARKINGS

EXISTING LANE MARKINGS SHALL BE REMOVED BY WATER BLASTING AND REMOVAL WILL BE INCIDENTAL TO THE BID ITEM FOR TEMPORARY STRIPING.

EROSION CONTROL ITEMS

ALL TYPICAL AND SPECIAL DITCHES ALONG US 68 WILL BE CONSTRUCTED USING SOD, EXCEPT IN THOSE AREAS SHOWN ON THE PLANS DESIGNATED FOR CHANNEL LINING CLASS III.

			COUNTY OF	ITEM NO.	SHEET NO.
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<div>GEOTECHNICAL NOTES</div>					
<div><div><div>1.) In accordance with Section 206 of the current Standard Specifications, the moisture content of embankment material shall not vary from the optimum moisture content as determined by the current version of KM 64-511 by more than +2 percent or less than -2 percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment construction. Refer to the Family of Curves for moisture/density correlation.</div><div>2.) All soils, whether from roadway or borrow, may require manipulation to obtain proper moisture content prior to compaction. Direct payment shall not be permitted for rehandling, hauling, stockpiling, and/or manipulating soils.</div><div>3.) Excavation of surface ditches and channel changes adjacent to embankment areas shall be performed prior to the placement of the adjacent embankments. The material excavated for the channel changes and surface ditches is suitable for embankment construction if dried to proper moisture content in accordance with Section 206 of the current Standard Specifications for Road and Bridge Construction.</div><div>4.) The Contractor is responsible for conducting any operations necessary to excavate the cut areas to the required typical section. These operations shall be incidental to Roadway Excavation or Embankment-in-Place and no additional compensation shall be made for this work.</div><div>5.) Some of the soil horizons and slopes on the project are subject to erosion. Necessary procedures in accordance with Sections 212 and 213 of the current Standard Specifications for Road and Bridge Construction shall be followed on construction.</div><div>6.) Removal of existing structures and other obstructions shall be completed in accordance with Section 203 of the current Standard Specifications for Road and Bridge Construction.</div><div>7.) Clearing and grubbing of roadway areas shall be completed in accordance with the requirements of Section 202 of the current Standard Specifications for Road and Bridge Construction before embankment placement.</div><div>8.) Borrow material, if required for subgrade, shall meet the minimum CBR value of 5 and not be classified as a highly plastic clay (CH) according to the Unified Soil Classification System (USCS).</div><div>9.) The Contractor shall conduct grading operations in such a manner that soil (free of rock larger than 4 inches and shale) from roadway excavation be stockpiled separately or otherwise manipulated so that ample quantities are available for a chemically stabilized roadbed meeting the requirements of Section 208 of the current Standard Specifications for Road and Bridge Construction. No direct payment will be allowed for such necessary manipulating as stockpiling, hauling and/or handling the material.</div><div>10.) Foundation embankment benches shall be constructed in accordance with Standard Drawing RGX-010 at the locations listed below and/or as directed by the Engineer. Contrary to Standard Drawing RGX-010, the typical rise height for benching into soil/earth slopes shall be 4 to 6 feet. Benches in soil/earth slopes shall be constructed one at a time beginning with the lowest bench and each bench shall be backfilled prior to excavation of the next bench.</div><div>Mainline Station 446+75 to 451+25, Left Station 449+75 to 450+75, Right</div><div>11.) Perforated pipe for subgrade drainage shall be placed in vertical sags and the upgrade end of bridges in accordance with KY Standard Drawing RDP-005 at the following approximate locations and/or where designated by the Engineer.</div><div>Mainline Station 428+79 Station 446+53</div><div>12.) Construct a mechanically stabilized roadbed using crushed stone base (CSB), geogrid and class I geotextile fabric in accordance with the Special Note for Subgrade Stabilization Alternates and the Standard Specifications for Road and Bridge Construction. Where soft and/or wet subgrade is encountered during construction, the thickness of the stabilization may be increased or a layer of crushed aggregate #2's underlain with class I Geotextile fabric can be added to also serve as a working platform for subgrade stabilization. These adjustments shall be as directed by the Engineer and may depend on seasonal fluctuations in the water table.</div><div>13.) (Intentionally left blank)</div><div>14.) Where coarse aggregate is used as described in note 12, sections of 4-inch perforated drainpipe (approximately 4 feet long) shall be placed transversely in the bottom of the granular material to provide drainage into the drop inlets. Longitudinal edge drains or other preferred methods may be used in lieu of the transversely placed perforated pipe to drain the rock layer, as directed by the Engineer.</div><div>15.) In areas where pavement is not to be overlaid, existing bituminous concrete located at a distance less than three feet below the proposed subgrade elevation within the limits of new roadway embankments, shall be removed entirely. This shall be performed in compliance with Section 206 of the Standard Specifications for Road and Bridge Construction.</div><div>16.) As directed by the Engineer, existing bituminous concrete located at a distance greater than three feet below the proposed subgrade elevation within the limits of new roadway embankments, shall be scarified or broken until all cleavage planes are destroyed, or the pavement shall be removed entirely as conditions demand. This shall be performed in compliance with Section 206 of the Standard Specifications for Road and Bridge Construction.</div><div>17.) The sinkhole/drywell located at the following location shall be capped. The existing concrete drainage structure shall be removed. The contractor shall follow treatment guidance shown in Standard Drawing BGX-018 'Treatment of Open Sinkholes' Condition 2. The backfill material for the sinkhole throat shall be non-erodible granular embankment.</div><div>Mainline Station 428+14, 47' Right</div><div>18.) If other sinkholes are encountered during construction, please contact the Department's Geotechnical Branch for mitigation procedures.</div></div></div>					
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			<div><div>Commonwealth of Kentucky</div><div>DEPARTMENT OF HIGHWAYS</div><div>COUNTY OF</div><div>CHRISTIAN</div></div>		
			<div><div>PROJECT</div><div>NUMBERS:</div></div> <div><div>FD52 024 0068 009-011</div><div>NHPP 0801 107</div></div>		
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