

CHATHAM COUNTY PURCHASING & CONTRACTING DEPARTMENT

ADDENDUM NO. 2 TO 18-0115-4

FOR: BENTON BOULEVARD EXTENSION

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

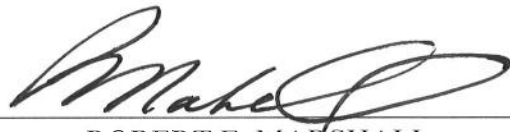
1. SEE ATTACHED QUESTIONS RECEIVED (3 pages)
2. REPLACE CURRENT BID SHEETS WITH THE ATTACHED **REVISED** BID SHEETS (7 pages)
5. **REVISED** Plan Sheets (14 sheets attached) : Cover Sheet, 03-0001, 05-0002, 05-0003, 05-0004, 05-0005, 05-0006, 05-0007, 05-0008, 05-0012, 05-0013, 07-0001, 23-0061, 23-0062.

NOTE: BID OPENING REMAINS:

2PM, TUESDAY, DECEMBER 4, 2018

THE PROPOSER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES AND MUST ACKNOWLEDGE RECEIPT OF ADDENDUM.

11/21/18
DATE



ROBERT E. MARSHALL
SENIOR PROCUREMENT SPECIALIST
CHATHAM COUNTY

Bid No. 18-0115-4
BENTON BOULEVARD EXTENSION
PRE-BID QUESTIONS – Addendum 2

1. GDOT has allowed galvanized, steel diaphragms on a per job basis. Will Chatham County allow the use of steel diaphragms on Benton Boulevard?

Answer 1. No, galvanized steel diaphragms will not be allowed.

2. Will the 8 foot asphalt paved sidewalk subgrade be subject to the same scrutiny as roadway subgrade, meaning proof rolling and GDOT IIB3 material spec?

Answer 2. Yes, the subgrade for sidewalk as well as other items such as curb and gutter is required to meet specifications and pass a proof roll test.

3. Do we need to clear the entire right of way or just the footprint of the road?

Answer 3. Typically, clearing is confined to within the construction limits. See Plan General Note No. 22 for more detail.

4. Article 3.1 of the Additional Conditions states “refer to the requirements concerning changes, delays and termination of work under Sections I-8, 9 and 10 of the contract.” Please provide the contract that includes these requirements.

Answer 4. See attached sheet for Sections I-8, I-9, and I-10 from Chatham County’s construction contract.

5. Article 1 of the Special Conditions states “All work under this contract shall be done in accordance with the Georgia Department of Transportation (GDOT) Standard Specifications...” Please confirm that the same specifications shall govern commercial items that are not separately covered by the Chatham County general, additional and special conditions.

Answer 5. Yes, the GDOT specifications will govern the commercial applications as well.

6. Since the amount of conflicts between the force main and proposed construction cannot be determined at this time, please add bid items for 10” 45 degree bends and 10” 22.5 degree bends, force main fittings.

Answer 6. Pay items for the force main fittings will be added. See revised Bid Sheet. These items must be in compliance with Pt Wentworth specification section 02531.

7. What type of barricades are needed? What type of markers are the right of way markers? Can you provide more information on the guardrail listed?

Answer 7. Please refer to the plans, specifications and standards for that information.

8. Please clarify the lane closure restrictions on SR 30. What is the start time on the eastbound restrictions and what is the stop time in the westbound restrictions?

Answer 8. Keep in mind that work hours are limited to daylight hours Monday through Friday unless specifically requested otherwise. Night or weekend work will only be approved for short durations or unusual conditions. Any lane closures permitted at night or on weekends will be addressed on a case by case basis. Contractors should anticipate that no lane closures will be allowed on eastbound State Route 30 between 6:30 am and 9 am and between 4 pm and 6:30 pm westbound on State Route 30. The purpose of the lane closure restrictions is to minimize disruption to rush hour traffic. The time for the restrictions may be adjusted depending on traffic conditions.

9. The general notes on drawing 35-0002 and the specifications require two test piles to be driven and be tested using a PDA. The bid item for the PDA testing is 523-1100. There is also bid item 520-4216 for LOAD TEST; GDOT almost never requires this load test and unit price bids for this item is usually \$1.00 when the cost is actually closer to \$30,000. Since the requirement in this job is for 2 PDA tests, and so that the bid is not influenced by the cost of a LOAD TEST, could you delete bid item 520-4216, LOAD TEST?

Answer 9. Yes, the load test item will be removed. However, please see the Special Conditions regarding the PDA testing. This will be required at the discretion of the Engineer. See revised bid sheet.

NOTE:

1. Revised typical sections will be provided with 12.5mm asphalt for the asphalt sidewalk. See Revised plan sheets.

2 Access on Meinhard Road will be restricted to the section between SR 30 and the proposed roundabout at Benton Boulevard on the west side (where the cul-de-sac is proposed). No truck traffic is allowed on Meinhard Road east of the proposed extension of Benton Boulevard. Heavy truck traffic should be kept to a minimum to reduce impacts to the existing roadway. This access is allowed to expedite construction between St. Augustine Creek and Little Hearst Branch Canal. Other areas of the project must be accessed by alternate routes.

Sections I-8, I-9 & I-10 from Chatham County construction contract:

SECTION I-8. CHANGES TO THIS CONTRACT. The COUNTY may, at any time, request changes in the scope of services of the CONTRACTOR to be performed hereunder. Such changes, including any increase or decrease in the rate and amount of the CONTRACTOR's compensation as more fully described in Article II, which are mutually agreed upon by and between the BOARD and the CONTRACTOR, shall be incorporated in written amendments to this Contract. Each additional amendment shall be properly attested to by the original signatories of this Contract or their authorized agents and shall be numbered in sequence and attached to this Contract in the same manner and format as the original attachments.

A Change Order is a written order signed by the BOARD and the CONTRACTOR authorizing a change in the Work or an adjustment in the contract sum or contract time. A contract sum and contract time may be changed only by a Change Order. Cost or credit to Chatham County resulting from a change in the work shall be determined in one or more of the following ways:

(a) By mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation; (b) By unit prices stated in the Contract Documents or subsequently agreed upon; or (c) By cost to be determined in a manner agreed upon by the parties in a mutually acceptable fixed or percentage fee.

SECTION I-9. DELAYS AND EXTENSION OF TIME. If the Contractor is delayed at any time in the progress of the work by an act or neglect of Chatham County, or by changes ordered in the Work, or by labor disputes, strikes, insurrections, fires, act of God, unusual but well documented and excusable delays in deliveries, unavoidable casualties, or other causes beyond the Contractor's control, or by delay authorized by the BOARD, then the Contract term of service and/or cost may be extended by Contract modification for such reasonable time as the BOARD and CONTRACTOR may agree.

SECTION I-10. TERMINATION OF CONTRACT FOR CAUSE. If through any cause, the CONTRACTOR shall fail to fulfill in a timely and proper manner its obligations under this Contract, or if the CONTRACTOR shall violate any of the covenants, agreements or stipulations of this Contract, the CONTRACTOR shall be in breach of this Contract and the BOARD shall thereupon give written notice of default to the CONTRACTOR and allow the CONTRACTOR seven (7) calendar days from such notice to cure such default, after notice the BOARD shall have the right to terminate this Contract by giving written notice to the CONTRACTOR of such termination and specifying the effective date thereof, at least five (5) days before the effective date of such termination.

If BOARD fails without cause to make payment when due, the CONTRACTOR may give written notice of the CONTRACTOR'S intention to terminate this Agreement. If the CONTRACTOR fails to receive payment within ten (10) days after receipt of such notice by the BOARD, the CONTRACTOR may give a second written notice and five (5) days after receipt of second written notice by the BOARD, the CONTRACTOR may terminate this Agreement and recover from the BOARD payment for work executed, and for proven losses sustained upon materials, equipment, tools and construction equipment and machinery, including reasonable profit and applicable damages.

BID SHEET (Revised Addendum 2)
BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
ROADWAY					
150-1000	TRAFFIC CONTROL - BENTON BLVD	LS	1		
150-1002	TRAFFIC CONTROL - HIGHLANDS BLVD	LS	1		
153-1300	FIELD ENGINEERS OFFICE TP 3	EA	1		
207-0203	FOUND BKFILL MATL, TP II	CY	700		
210-0100	GRADING COMPLETE - BENTON BLVD	LS	1		
210-0102	GRADING COMPLETE - HIGHLANDS BLVD	LS	1		
210-0250	UNDERCUT EXCAVATION	CY	8000		
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	3600		
310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL	SY	6300		
310-5100	GR AGGR BASE CRS, 10 INCH, INCL MATL	SY	46000		
318-3000	AGGR SURF CRS	TN	320		
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	3000		
402-3102	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, GP1 OR 2, INCL BITUM MATL & H LIME	TN	560		
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	9300		
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	5200		
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	5100		
413-0750	TACK COAT	GL	5300		
429-1000	RUMBLE STRIPS	EA	4		
430-0200	PLAIN PC CONC PVMT, CL I CONC, 10 INCH THK	SY	1170		
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	3000		
433-1000	REINF CONC APPROACH SLAB	SY	230		
441-0016	DRIVEWAY CONCRETE, 6 IN	SY	12		
441-0018	DRIVEWAY CONCRETE, 8 IN	SY	75		
441-0050	CONC SLOPE DRAIN (FLUME)	SY	6		
441-0104	CONC SIDEWALK, 4 IN	SY	4600		
441-0108	CONC SIDEWALK, 8 IN	SY	540		
441-0303	CONC SPILLWAY, TP 3	EA	3		
441-0300	CONC SPILLWAY, SPCL DES	EA	4		
441-0740	CONCRETE MEDIAN, 4 IN	SY	420		
441-0741	STAMPED CONCRETE MEDIAN, 4 IN	SY	1540		
441-0748	CONCRETE MEDIAN, 6 IN	SY	100		
441-0754	CONCRETE MEDIAN, 7 1/2 IN	SY	650		
441-4020	CONC VALLEY GUTTER, 6 IN	SY	20		
441-4030	CONC VALLEY GUTTER, 8 IN	SY	20		

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BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
441-5008	CONCRETE HEADER CURB, 6 IN, TP 7	LF	660		
441-6022	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	LF	330		
441-6222	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	LF	9800		
441-6740	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	LF	10000		
441-6741	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7 (MODIFIED: 4IN TYPE 9 FACE FOR TRUCK APRON)	LF	830		
446-1100	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	LF	5600		
455-1000	FILTER FABRIC FOR EMBANKMENT STABILIZATION	SY	12000		
456-2015	INDENT RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	GLM	3		
500-3101	CLASS A CONCRETE	CY	470		
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	35		
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	10		
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	85		
511-1000	BAR REINF STEEL	LB	46000		
515-2020	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	LF	115		
550-1150	STORM DRAIN PIPE, 15 IN, H 1-10	LF	30		
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	3300		
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	1300		
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	590		
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	120		
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	200		
550-2240	SIDE DRAIN PIPE, 24 IN, H 1-10	LF	150		
550-2300	SIDE DRAIN PIPE, 30 IN, H 1-10	LF	50		
550-2420	SIDE DRAIN PIPE, 42 IN, H 1-10	LF	50		
550-4118	FLARED END SECTION 18 IN, SIDE DRAIN	EA	8		
550-4124	FLARED END SECTION 24 IN, SIDE DRAIN	EA	2		
550-4142	FLARED END SECTION 42 IN, SIDE DRAIN	EA	4		
550-3618	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	2		
550-3624	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	EA	1		
550-3630	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	EA	1		
550-4215	FLARED END SECTION 15 IN, STORM DRAIN	EA	1		
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	15		
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	EA	1		
550-4230	FLARED END SECTION 30 IN, STORM DRAIN	EA	6		
550-4236	FLARED END SECTION 36 IN, STORM DRAIN	EA	1		
572-1000	SLOPE UNDERDRAINS	LF	200		
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	2000		
600-0001	FLOWABLE FILL	CY	20		
611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	1		
611-3020	RECONSTR SAN SEW MANHOLE, TYPE 1	EA	1		
611-8050	ADJUST MANHOLE TO GRADE	EA	20		

BID SHEET (Revised Addendum 2)
BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
611-8140	ADJUST WATER VALVE BOX TO GRADE	EA	4		
634-1200	RIGHT OF WAY MARKERS	EA	125		
635-1000	BARRICADES	LF	40		
641-1100	GUARDRAIL, TP T	LF	84		
641-1200	GUARDRAIL, TP W	LF	480		
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	2		
641-5020	GUARDRAIL TERMINAL, TP 12B, 31 IN, FLARED, ENERGY- ABSORBING	EA	2		
643-8040	GATE, WOVEN WIRE, 12 FT (DETAIL F2)	EA	5		
643-8200	BARRIER FENCE (ORANGE), 4 FT	LF	4300		
668-1100	CATCH BASIN, GP 1	EA	60		
668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LF	30		
668-2100	DROP INLET, GP 1	EA	30		
668-2110	DROP INLET, GP 1, ADDL DEPTH	LF	15		
668-4300	STORM SEWER MANHOLE, TP 1	EA	2		
668-4311	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	LF	4		
668-9800	OUTLET CONTROL STRUCTURE	EA	4		

TEMPORARY EROSION CONTROL

163-0232	TEMPORARY GRASSING	AC	60		
163-0240	MULCH	TN	730		
163-0300	CONSTRUCTION EXIT	EA	12		
163-0310	CONSTRUCTION EXIT TIRE WASH ASSEMBLY	EA	6		
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	EA	20		
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	EA	62		
163-0540	CONSTRUCT AND REMOVE RETROFIT	EA	2		
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	6		
163-0542	CONSTRUCT AND REMOVE STONE FILTER RING	EA	1		
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	100		
163-1925	CONSTRUCT AND REM COMPOST FILTER SOCK, 12 IN	LF	240		
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LF	48000		
165-0020	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	LF	300		
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	9900		
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	1270		
165-0050	MAINTENANCE OF SILT RETENTION BARRIER	LF	200		
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	20		
165-0095	MAINTENANCE OF RETROFIT, STA NO -	EA	2		
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	12		
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	100		
165-0110	MAINTENANCE OF ROCK FILTER DAM	EA	6		

BID SHEET (Revised Addendum 2)
BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
165-0111	MAINTENANCE OF STONE FILTER RING	EA	1		
165-0310	MAINT OF CONSTR EXIT TIRE WASH ASSEMBLY	EA	6		
165-1500	MAINT OF COMPOST FILTER SOCK (ALL SIZES)	LF	240		
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	10		
167-1500	WATER QUALITY INSPECTIONS	MO	18		
170-1000	FLOATING SILT RETENTION BARRIER	LF	200		
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	48000		
171-0020	TEMPORARY SILT FENCE, TYPE B	LF	300		
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	9900		

PERMANENT EROSION CONTROL

603-2182	STN DUMPED RIP RAP, TP 3, 24 IN	SY	1100		
603-7000	PLASTIC FILTER FABRIC	SY	1100		
700-6910	PERMANENT GRASSING	AC	32		
700-7000	AGRICULTURAL LIME	TN	190		
700-7010	LIQUID LIME	GL	480		
700-8000	FERTILIZER MIXED GRADE	TN	30		
700-8100	FERTILIZER NITROGEN CONTENT	LB	1550		
716-2000	EROSION CONTROL MATS, SLOPES	SY	4500		

SIGNING & MARKING

500-3104	CLASS A CONCRETE, SIGNS	CY	15		
611-5551	RESET SIGN	EA	2		
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	430		
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	520		
636-1041	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	370		
636-1077	HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 9	SF	190		
636-2070	GALV STEEL POSTS, TP 7	LF	1260		
636-2080	GALV STEEL POSTS, TP 8	LF	340		
636-2090	GALV STEEL POSTS, TP 9	LF	780		
636-3000	GALV STEEL STR SHAPE POST	LB	6000		
636-3010	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	EA	16		
636-9094	PILING IN PLACE, SIGNS, STEEL H, HP 12 X 53	LF	40		
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	55		
653-0210	THERMOPLASTIC PVMT MARKING, WORD, TP 1	EA	2		
653-0296	THERMOPLASTIC PVMT MARKING, WORD, TP 15	EA	10		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	380		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	6400		
653-2501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LM	5.40		

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BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
653-2502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LM	3.20		
653-4501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLM	0.40		
653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	430		
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	590		
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	5700		
654-1001	RAISED PVMT MARKERS TP 1	EA	570		
654-1003	RAISED PVMT MARKERS TP 3	EA	240		
657-1085	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	LF	500		
657-6085	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	LF	500		

SIGNALIZATION

636-1049	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9 FOR MAST ARM SIGNS	SF	45		
639-3014	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM & 65' MAST ARM	EA	4		
647-1000	TRAFFIC SIGNAL INSTALLATION NO - 1	LS	1		
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	2070		
682-9954	DIRECTIONAL BORE - 4 IN	LF	200		
682-9956	DIRECTIONAL BORE - 6 IN	LF	340		
682-9958	DIRECTIONAL BORE - 8 IN	LF	150		
687-1000	TRAFFIC SIGNAL TIMING	LS	1		
926-2075	900 Mhz DIRECTIONAL RADIO ANTENNA AND CONNECTING CABLE	EA	1		

BRIDGE NO. 1 - ST. AUGUSTINE CREEK

500-0100	GROOVED CONCRETE	SY	680		
500-1006	SUPERSTR CONCRETE, CL AA, BR NO - 1	LS	1		
500-2100	CONCRETE BARRIER	LF	184		
500-3102	CLASS A CONCRETE, BR NO-1	CY	72		
507-8900	PSC BEAMS, AASHTO TYPE 1 MOD, BR NO - 1	LF	1115		
511-1002	BAR REINF STEEL - BR NO -1	LB	8400		
511-3000	SUPERSTR REINF STEEL, BR NO - 1	LS	1		
516-1100	ALUM HANDRAIL, STD 3626	LF	184		
520-2216	PILING, PSC, 16 IN SQ	LF	1320		
520-3216	TEST PILE, PSC, 16 IN SQ	EA	2		
523-1100	DYNAMIC PILE TESTING	EA	2		
540-1102	REMOVAL OF EXISTING BR, BR NO - 1	LS	1		
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	1130		
603-7001	PLASTIC FILTER FABRIC	SY	1130		

BID SHEET (Revised Addendum 2)
BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
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WATER AND SEWER RELOCATIONS

660-1230	SEWER FORCE MAIN, 10 IN, - PVC SDR 18, C-900	LF	1400		
660-1730	SEWER MAIN, FUSIBLE PVC, 10 IN INSTALLED BY DIRECTIONAL BORE WITOUT CASING	LF	300		
660-2070	LINE STOP - 10 IN, FOR SEWER FORCE MAIN, INCLUDES INSTALLATION OF FITTING, PRESSURE TAP AND INSTALLATION OF BLIND FLANGE	EA	5		
660-2405	AIR RELEASE VALVE ASSEMBLY, 2 IN INCL MANHOLE	EA	2		
660-9991	TEMPORARY SEWER FORCE MAIN BYPASS, 10 IN PIPE, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF PIPE	LF	2500		
660-9992	TEMPORARY SEWER FORCE MAIN BYPASS, PLUG AND BYPASS FITTINGS AT LINE STOP FITTING, INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL OF PLUG AND FITTINGS AS NECESSARY TO IMPLEMENT THE BYPASS, AND INSTALLATION OF BLIND FLANGE ON LINE STOP FITTING AFTER REMOVAL OF BYPASS	EA	6		
660-9993	SEWER FORCE MAIN, 10 INCH DUCTILE IRON 45 DEGREE BEND	EA	20		
660-9994	SEWER FORCE MAIN, 10 INCH DUCTILE IRON 22.5 DEGREE BEND	EA	20		
670-1085	WATER MAIN, 8 IN, PVC	LF	30		
670-5750	LINE STOP - 8 IN, FOR WATER MAIN, INCLUDES INSTALLATION OF FITTING, PRESSURE TAP, INSTALLATION OF PLUG, REMOVAL OF PLUG AND INSTALLATION OF BLIND FLANGE ON LINE STOP FITTING	EA	2		

LIGHTING

681-4210	LIGHTING STD, 30 FT MH, POST TOP	EA	28		
681-9999	LUMINAIRE, TP 4, 4K, LED	EA	28		
682-1404	CABLE, TP XHHW, AWG NO 10	LF	16700		
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	5900		
682-6225	CONDUIT, NONMETL, TP 2, 2 1/2 IN	LF	100		
682-9000	MAIN SERVICE PICK UP POINT	LS	1		
682-9002	MAIN SERVICE PICK UP POINT - NO 2	LS	1		
682-9022	ELECTRICAL JUNCTION BOX, REINF PLASTIC MORTAR	EA	10		
682-9953	DIRECTIONAL BORE - 3 IN	LF	1000		

LANDSCAPING

700-9300	SOD	SY	680		
702-0212	CRATAEGUS VIRIDIS - 3 INCH CALIPER	EA	6		

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BENTON BOULEVARD EXTENSION

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
702-0363	ILEX CORNUTA CARISSA - 3 GAL	EA	5		
702-0470	ILEX VOMITORIA NANA - 3 GAL	EA	420		
702-0910	QUERCUS VIRGINIANA - 3 INCH CALIPER	EA	2		
702-9005	SPRING APPLICATION FERTILIZER	LB	260		
702-9025	LANDSCAPE MULCH	SY	900		
725-0010	WEED CONTROL	SY	1600		

999-9000	FIELD ALLOWANCE	LS	1	50,000	
TOTAL BID (Round off to whole dollar)					

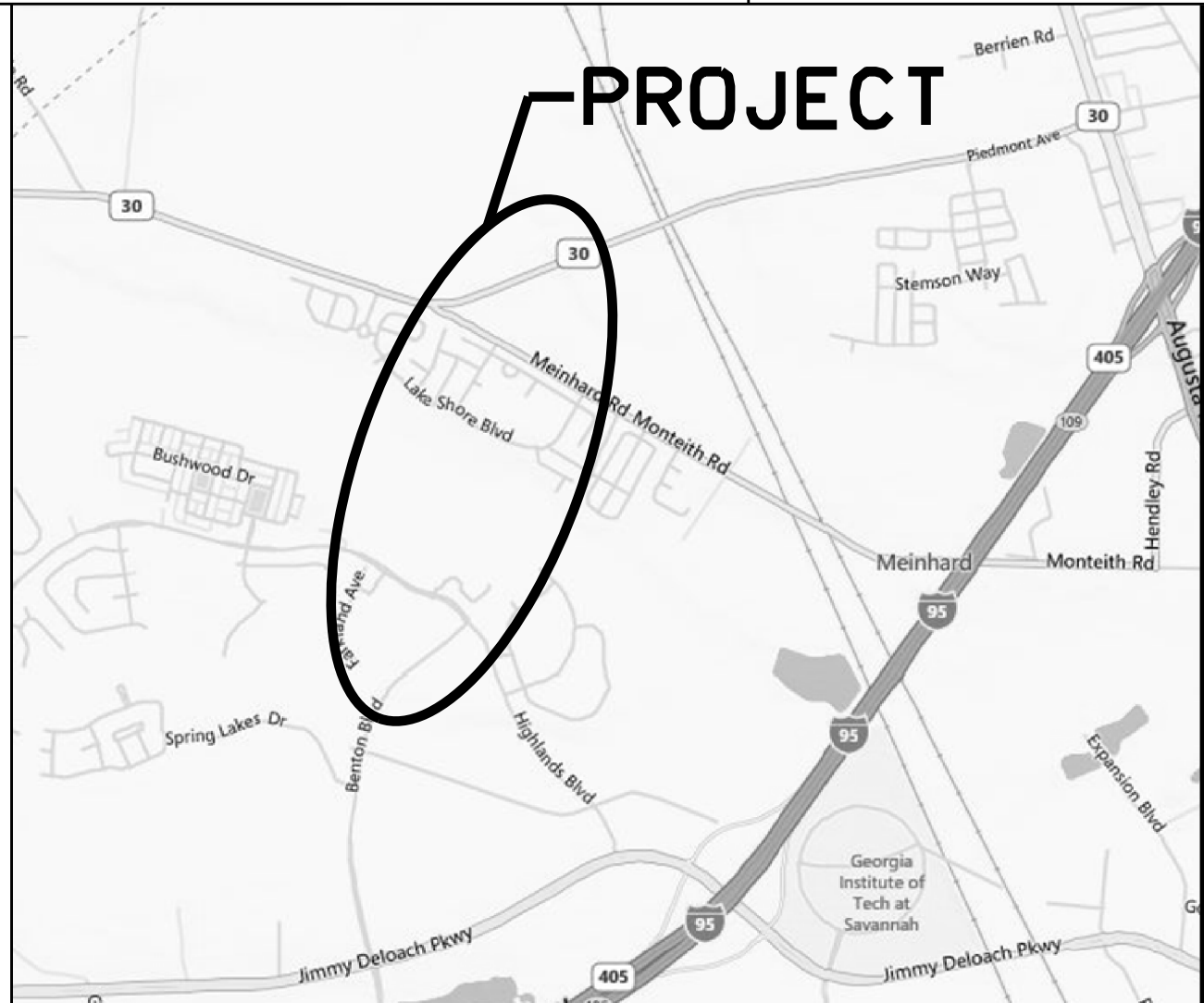
Name/ Title

Company

Address

Phone/ Fax Numbers

E-mail



LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.(2019): 9,900
TRAFFIC A.D.T.(2039): 24,000
DIRECTIONAL DIST: 65%
24 HR.TRUCKS %: 8%
SPEED DESIGN: 45 MPH

PROJECT DESIGNATION
EXEMPT

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL

VERTICAL DATUM : NAVD88
COORDINATE ZONE : GAS. COORDINATES SYS. 85 (NAD83)
PROJECT UNITS : ENGLISH
DESIGN SPEED : 45 MPH

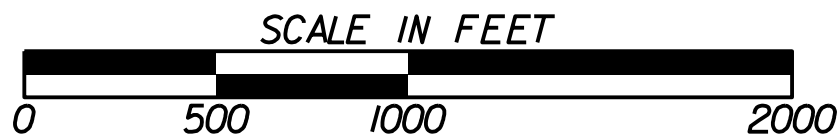
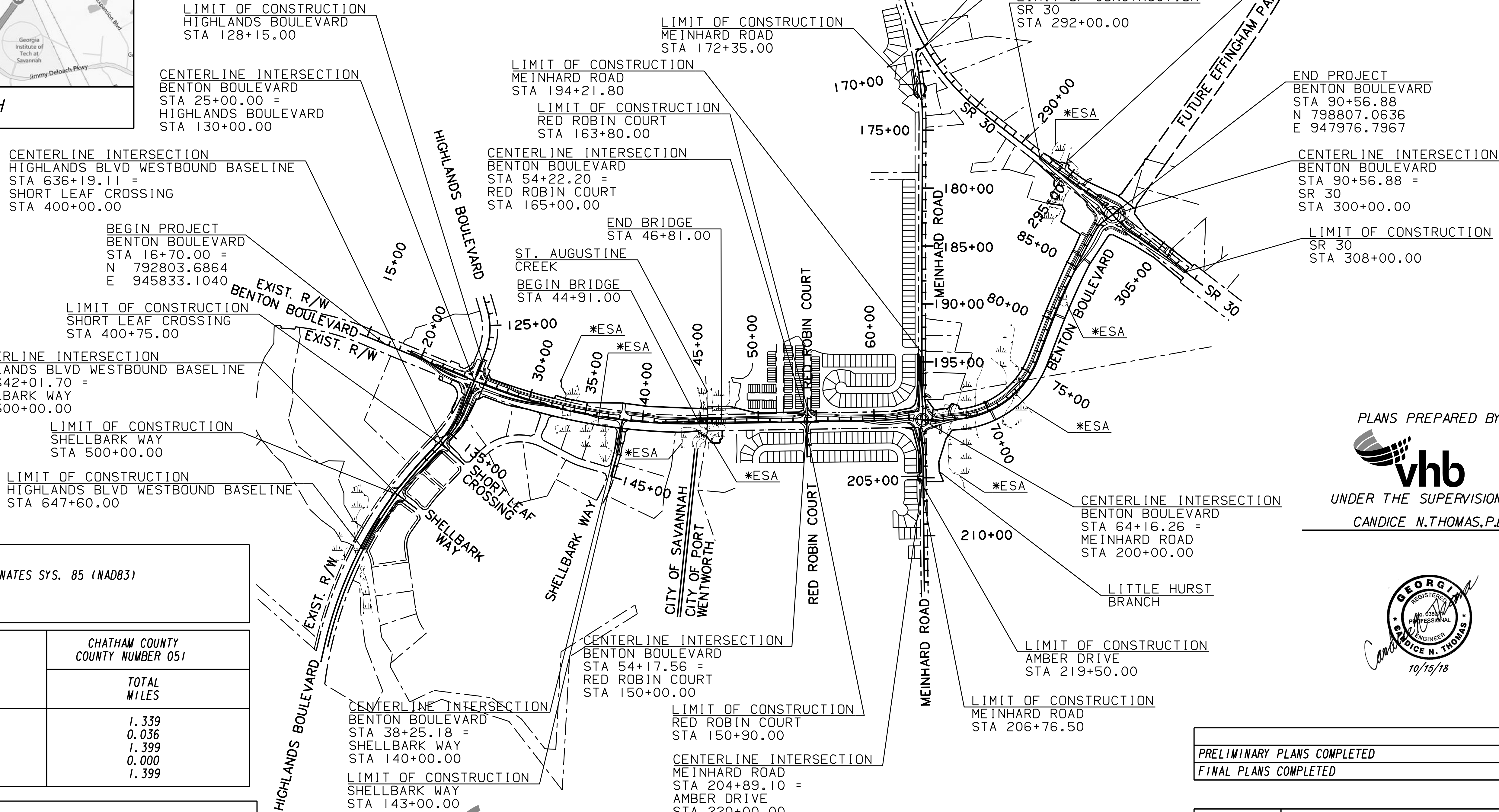
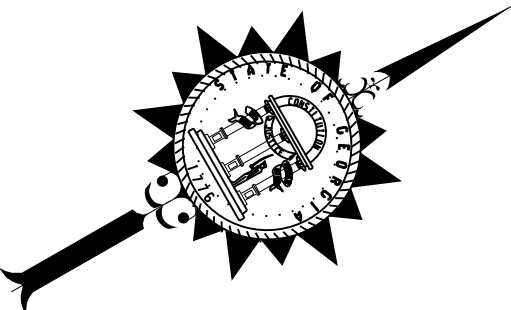
LENGTH OF PROJECT	CHATHAM COUNTY COUNTY NUMBER 051
	TOTAL MILES
NET LENGTH OF ROADWAY	1.339
NET LENGTH OF BRIDGES	0.036
NET LENGTH OF PROJECT	1.399
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.399

NOTE:
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS,
OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN
ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED
TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS
INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND CHATHAM COUNTY
IN ANY WAY. THE ATTENTION OF THE BIDDER IS SPECIFICALLY DIRECTED TO
SUBSECTION 102.04, 102.05 AND 104.3 OF THE GEORGIA DEPARTMENT OF
TRANSPORTATION'S SPECIFICATIONS.

3003038
CHATHAM COUNTY

CHATHAM COUNTY, GEORGIA

BENTON BOULEVARD EXTENSION

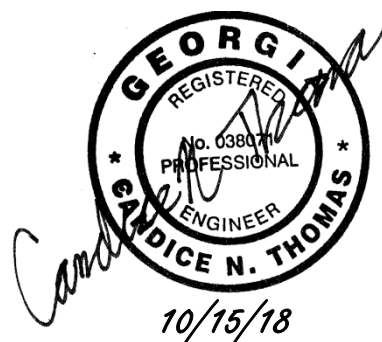


THIS PROJECT IS 100% IN CONGRESSIONAL DISTRICT NO. 1
THIS PROJECT IS 100% IN CHATHAM COUNTY, GMD 8
THIS PROJECT IS 100% IN CHATHAM COUNTY COMMISSION DISTRICT NO. 8

PLANS PREPARED BY:



UNDER THE SUPERVISION OF:
CANDICE N. THOMAS, P.E.



	DATE
PRELIMINARY PLANS COMPLETED	04/22/2016
FINAL PLANS COMPLETED	10/15/2018

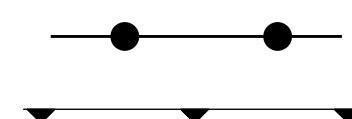
DATE	REVISIONS
11/12/18	
11/19/18	

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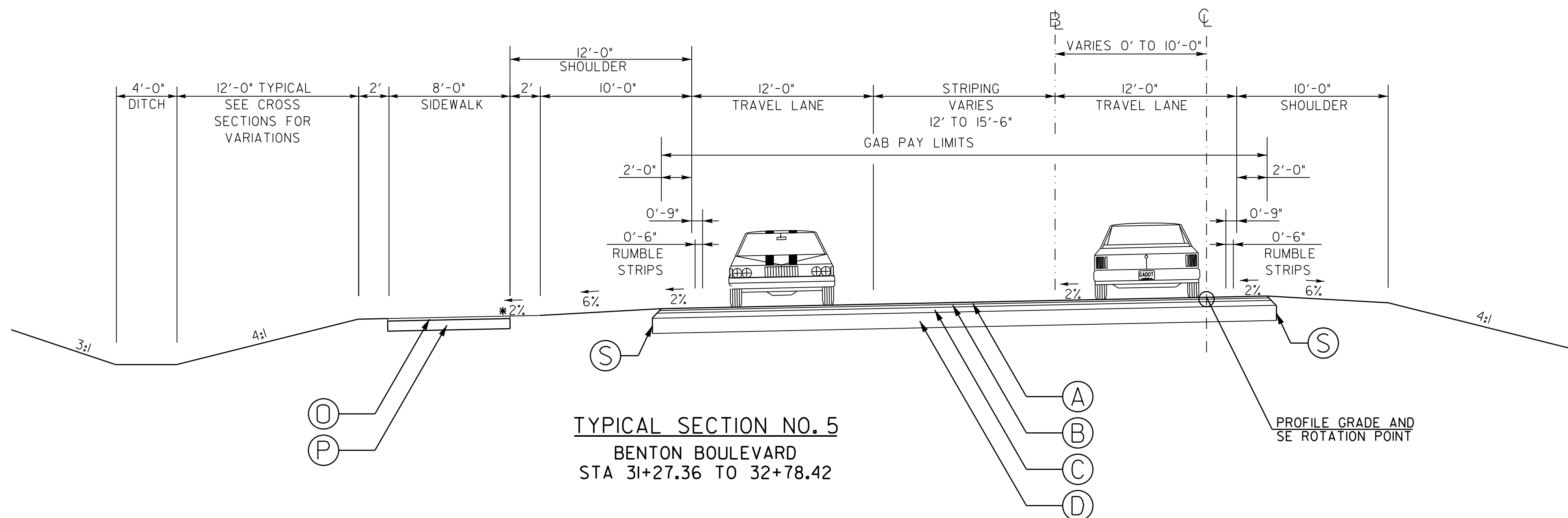
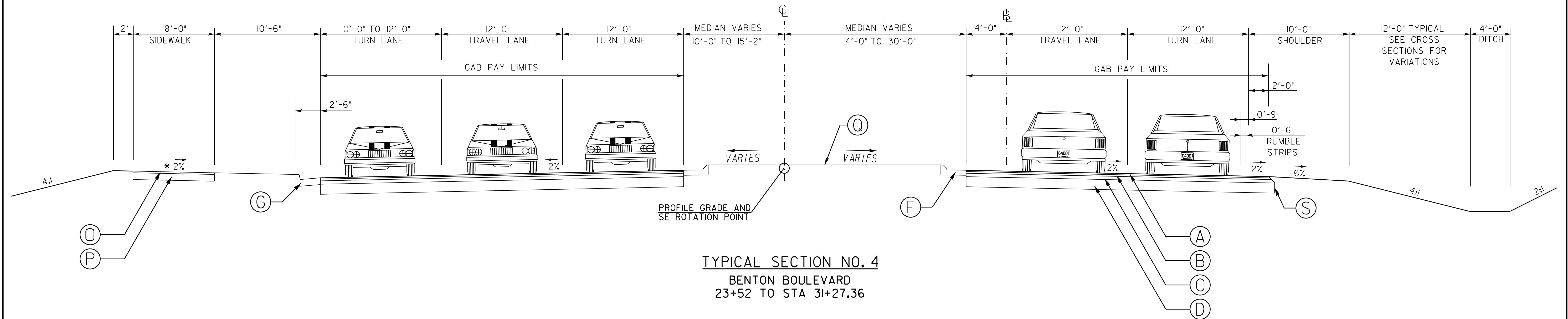
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

Diagram illustrating a three-layered system with a dashed line labeled P above it and a dashed line labeled $C-F$ below it. The layers are filled with diagonal lines, cross-hatching, and diagonal lines respectively.

ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



<div> <div>REVISION DATES</div> <div> <div>11/12/18</div> <div>11/19/18</div> <div></div> <div></div> </div> </div>			<div> <div>REVISION SUMMARY</div> <div>BENTON BOULEVARD EXTENSION</div> <div> <div>CHECKED:</div> <div>BACKCHECKED:</div> <div>CORRECTED:</div> <div>VERIFIED:</div> </div> <div> <div>DATE:</div> <div>DATE:</div> <div>DATE:</div> <div>DATE:</div> </div> </div>			<div> <div>DRAWING No.</div> <div>03-0001</div> </div>	
---	--	--	---	--	--	--	--



PAVEMENT DESIGN

- A

165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

B

220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

C

440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

D

10" GRADED AGGREGATE BASE
- F

GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" x 30"

G

GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" x 30"

H

220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

I

8" GRADED AGGREGATE BASE
- J

GRASSED MEDIAN UNLESS BACK OF CURB TO BACK OF CURB DIMENSION IS LESS THAN 8', THEN CONC SIDEWALK, 4 IN MEDIAN PAVING GA STD 9032B

K

SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

CHATHAM COUNTY
GEORGIA
1777

v

h

b

REVISION DATES

11/19/18

TYPICAL SECTIONS

BENTON BOULEVARD EXTENSION

CHECKED: DATE: DRAWING No.

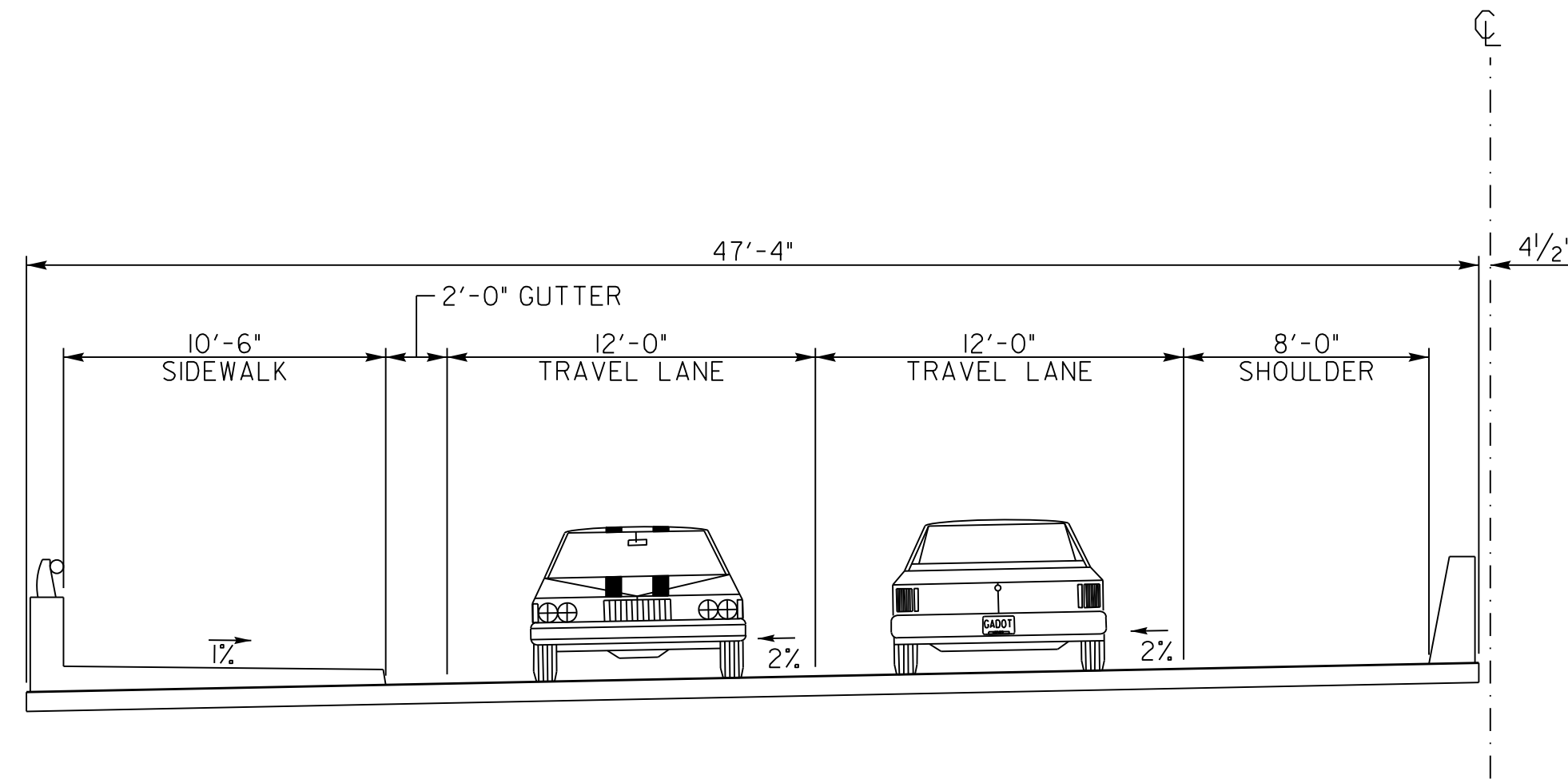
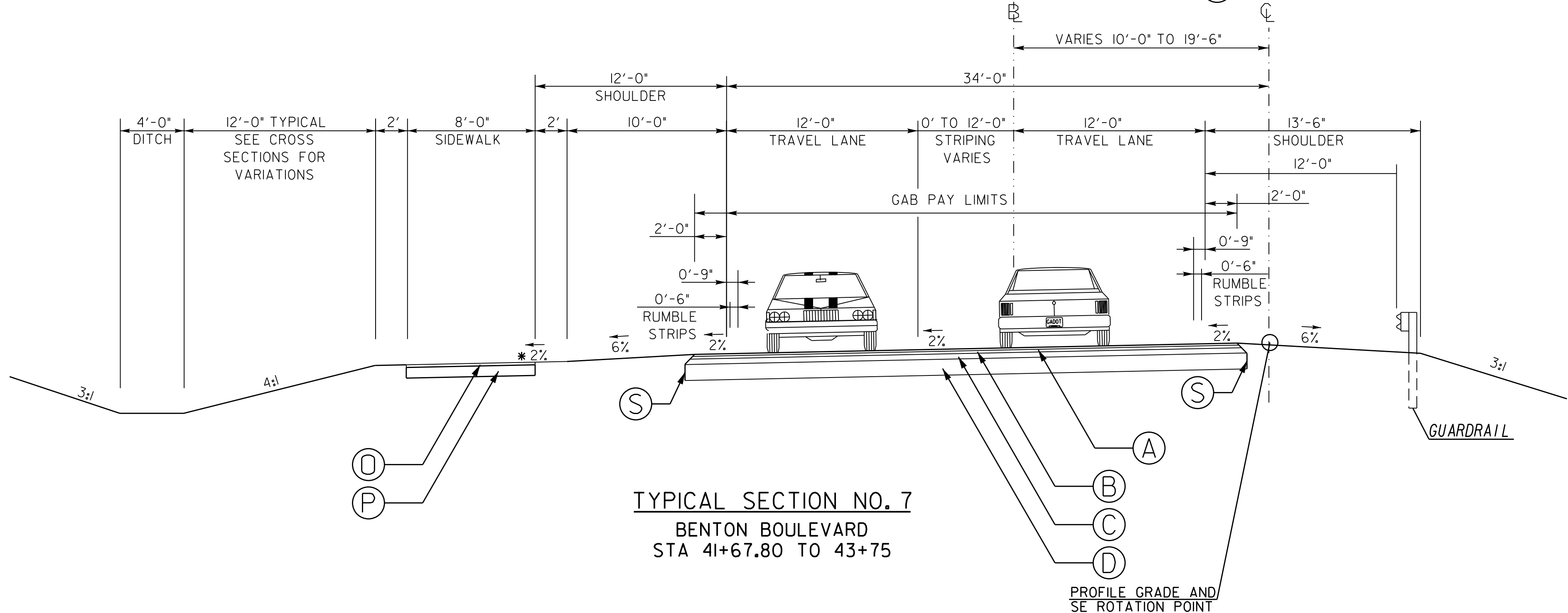
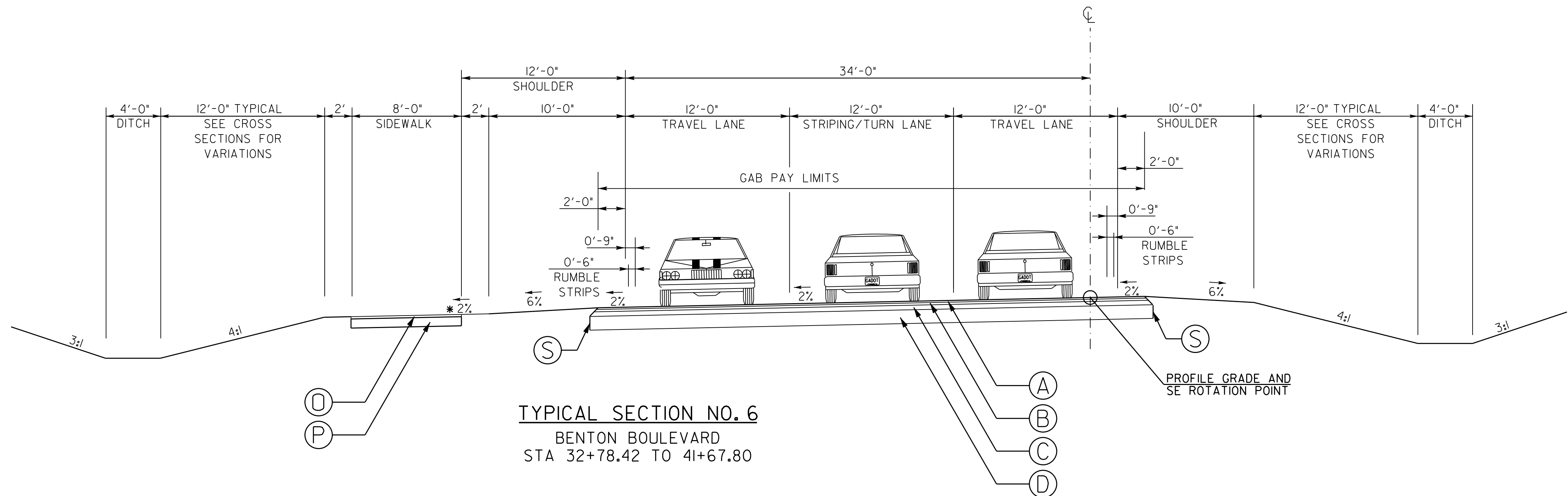
BACKCHECKED: DATE:

CORRECTED: DATE:

VERIFIED: DATE:

05-0002

11/20/2015 COMBOR



PAVEMENT DESIGN

- Ⓐ 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

Ⓑ 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

Ⓒ 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

Ⓓ 10" GRADED AGGREGATE BASE
- Ⓔ GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" X 30"

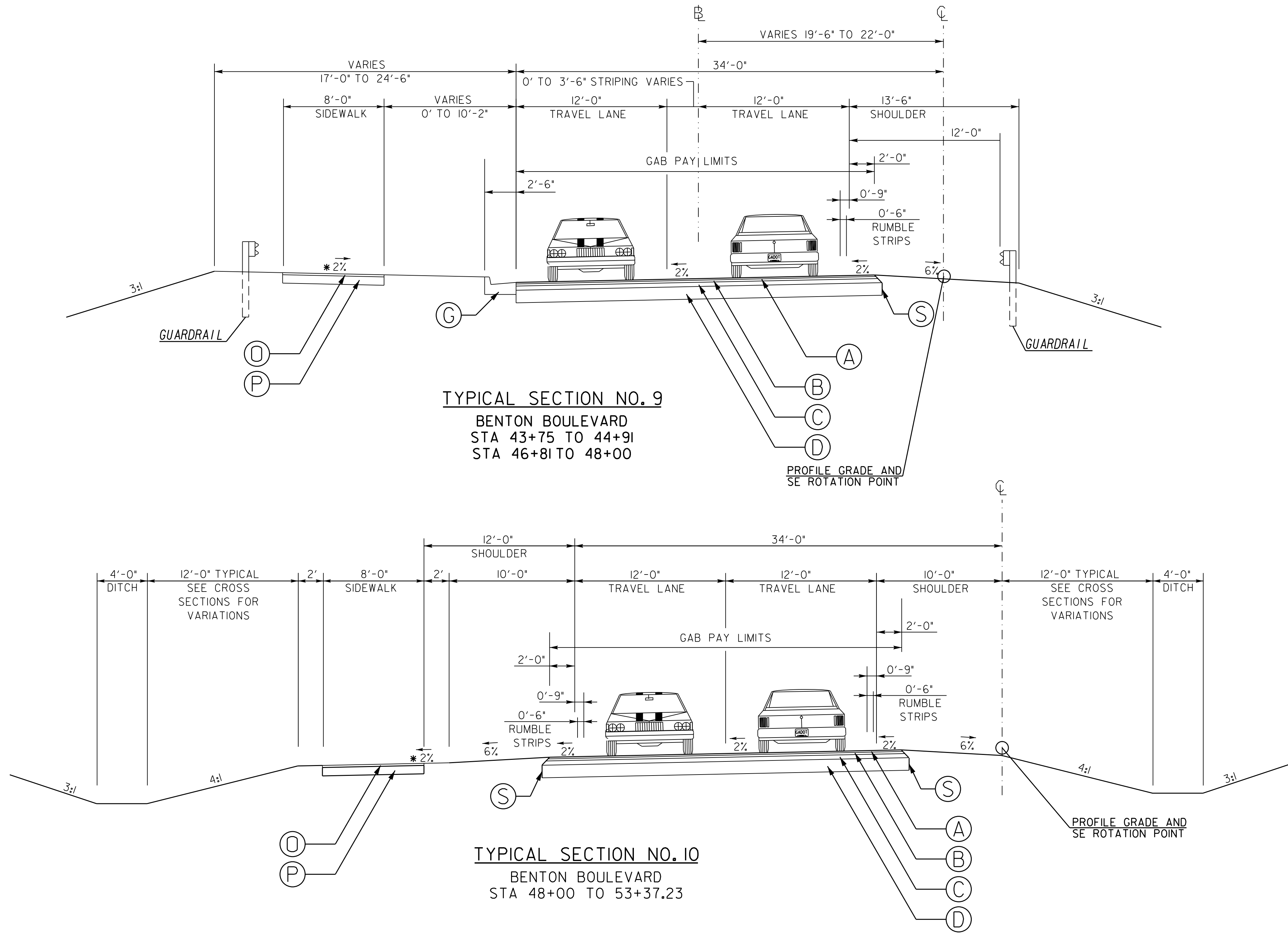
Ⓕ 220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

Ⓖ 8" GRADED AGGREGATE BASE

Ⓗ SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)				REVISION DATES		TYPICAL SECTIONS						
						11/19/18			BENTON BOULEVARD EXTENSION					
									CHECKED:		DATE:		DRAWING No.	
									BACKCHECKED:		DATE:		05-0003	
									CORRECTED:		DATE:			
									VERIFIED:		DATE:			



PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE
- (G) GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" x 30"

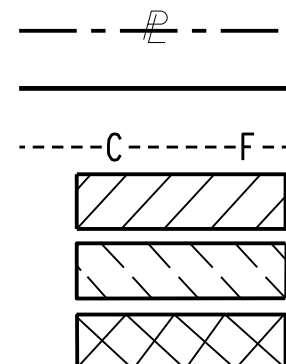
(O) 220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(P) 8" GRADED AGGREGATE BASE

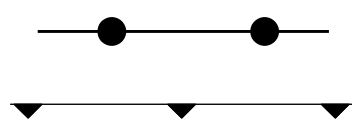
(S) SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



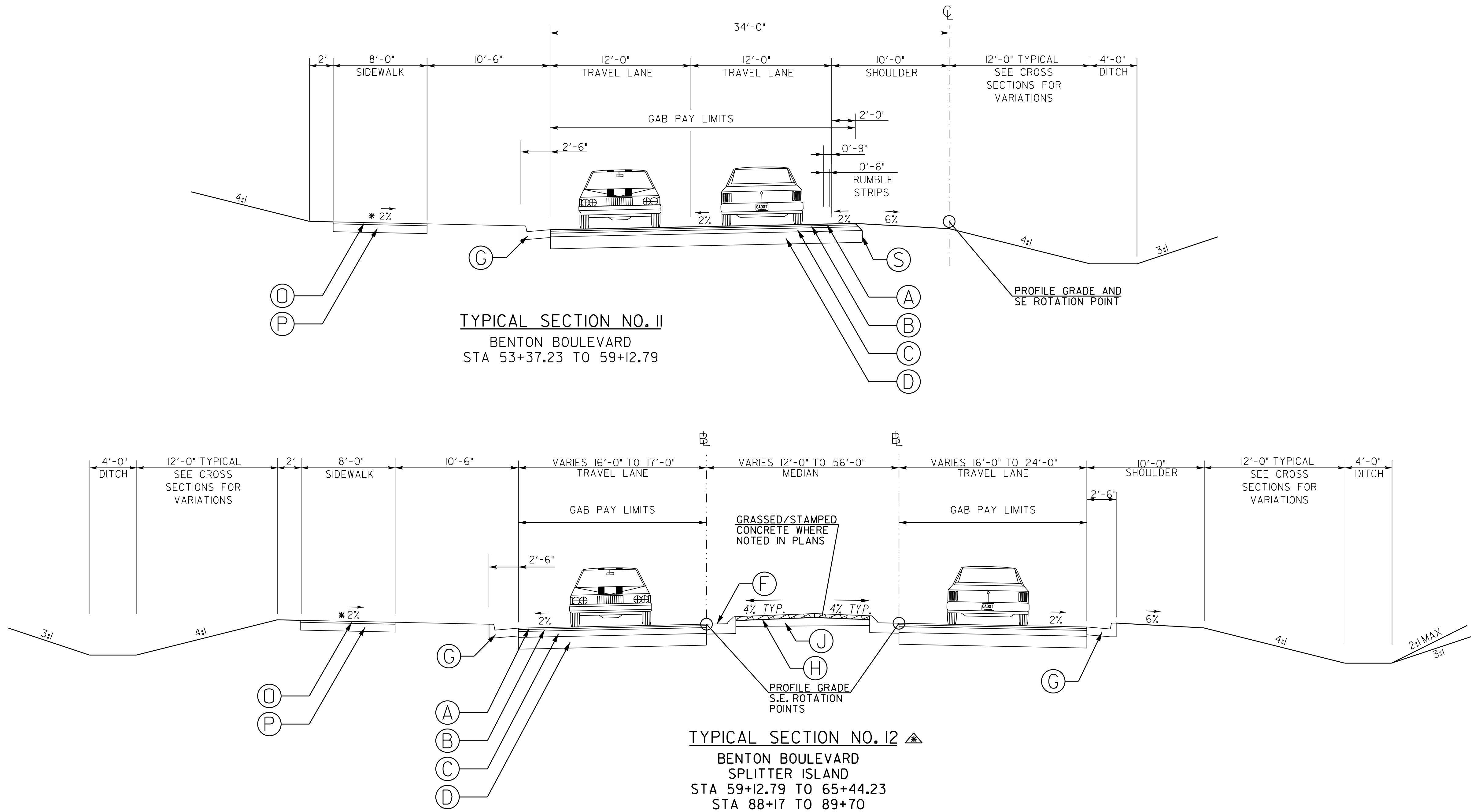
REVISION DATES

DATE	DESCRIPTION
11/19/18	

TYPICAL SECTIONS

BENTON BOULEVARD EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	05-0004



PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE

(F) GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"
- (G) GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" X 30"

(H) 4" THICK STAMPED CONCRETE, COLORED & SEALED SEE SHEET 5-0015 FOR DETAIL

(J) 6" GRADED AGGREGATE BASE

(O) 220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(P) 8" GRADED AGGREGATE BASE
- (S) SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

▲ INSTALL 6" GAB UNDER ALL TYPE 2 & TYPE 7 CURB & GUTTER WITHIN THE FOLLOWING STATION RANGES:
BENTON BLVD STA 62+80 TO 65+50
BENTON BLVD STA 88+89 TO END
MEINHARD ROAD STA 198+69 TO 201+35
SR 30 STA 297+54 TO 302+36

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

CHATHAM COUNTY
GEORGIA
1777

vhb

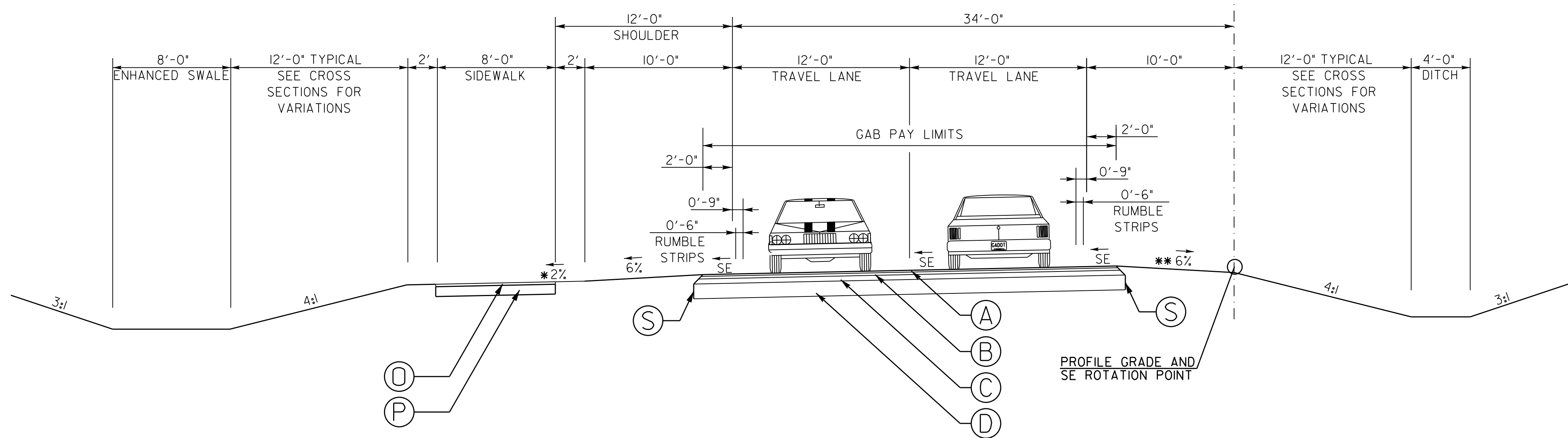
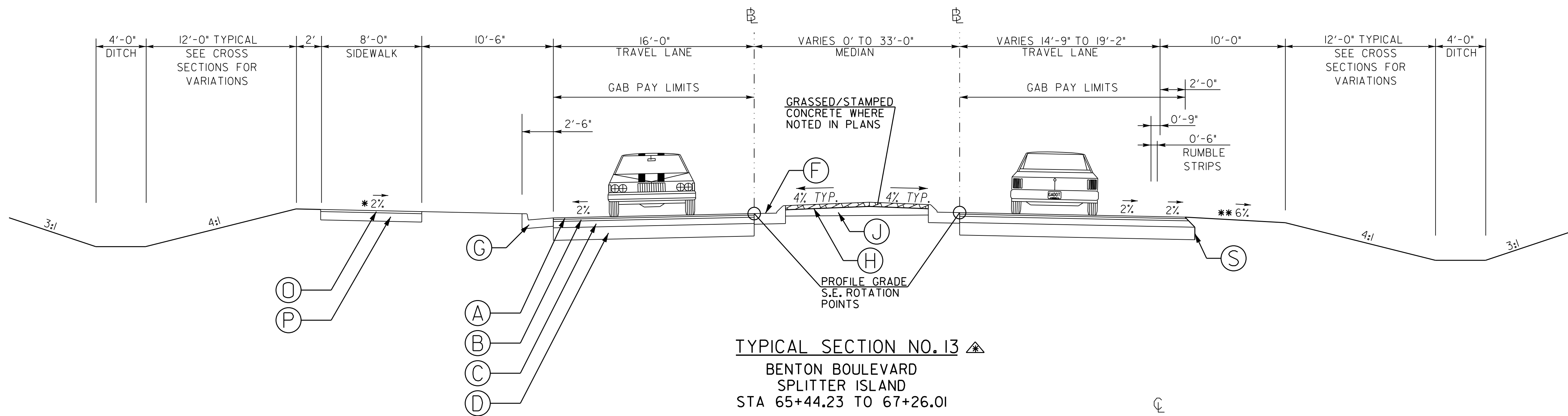
REVISION DATES

DATE	DESCRIPTION
11/19/18	

TYPICAL SECTIONS

BENTON BOULEVARD EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0005
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE

(F) GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"
- (G) GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" X 30"

(H) 4" THICK STAMPED CONCRETE, COLORED & SEALED SEE SHEET 5-0015 FOR DETAIL

(J) 6" GRADED AGGREGATE BASE

(O) 220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(P) 8" GRADED AGGREGATE BASE
- (S) SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

** SHOULDER TO SLOPE AT NORMAL RATE, HOWEVER, THE ALGEBRAIC DIFFERENCE IN PAVING SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%. MINIMUM SHOULDER SLOPE TO BE 2%.

▲ INSTALL 6" GAB UNDER ALL TYPE 2 & TYPE 7 CURB & GUTTER WITHIN THE FOLLOWING STATION RANGES:
BENTON BLVD STA 62+80 TO 65+50
BENTON BLVD STA 88+89 TO END
MEINHARD ROAD STA 198+69 TO 201+35
SR 30 STA 297+54 TO 302+36

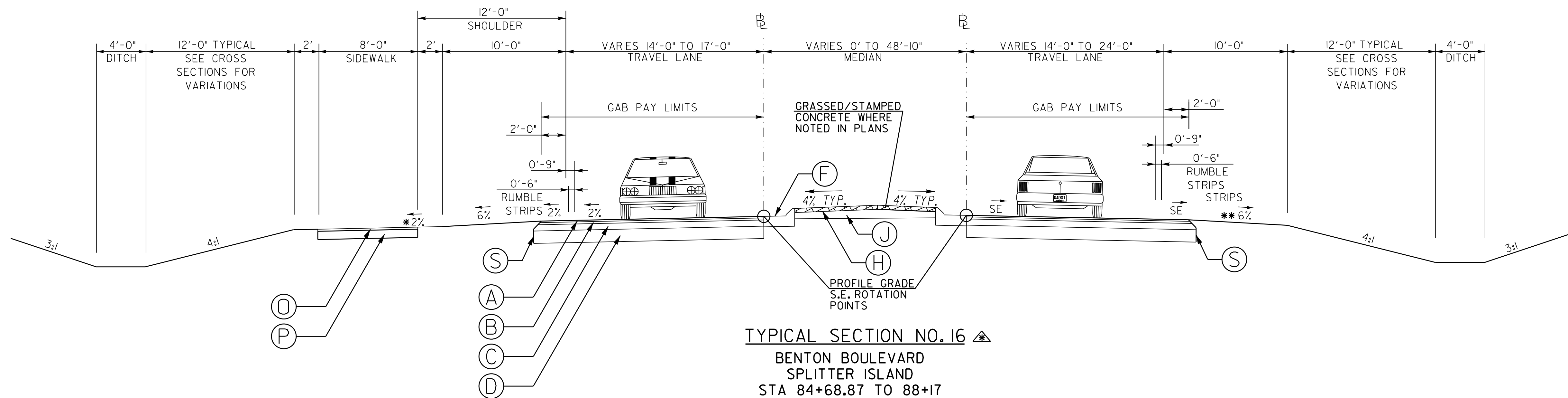
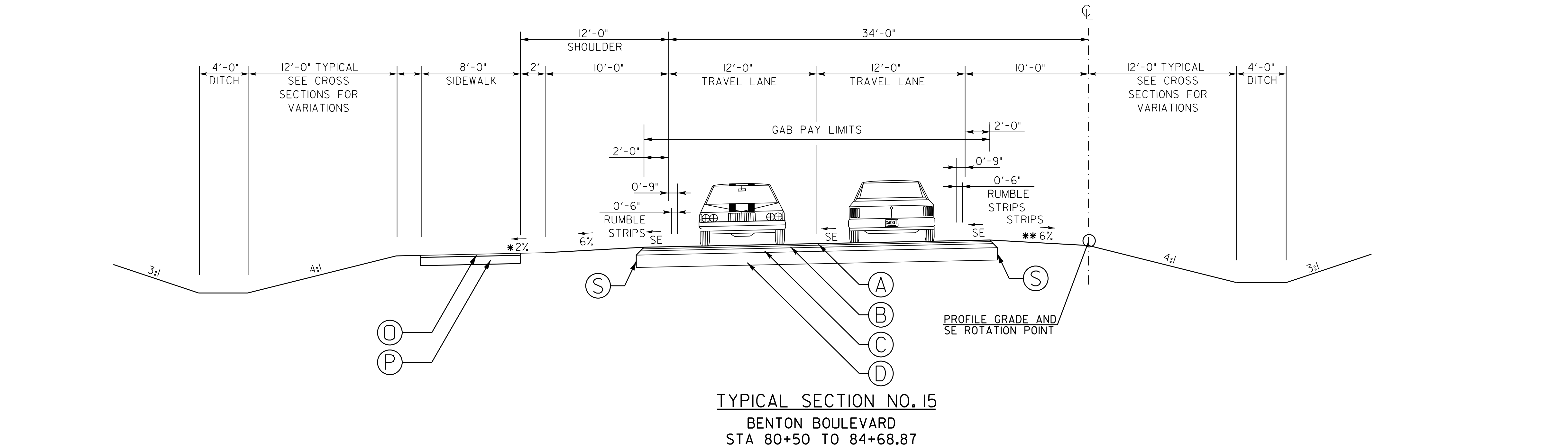
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	---C---F---
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES		
11/19/18		

TYPICAL SECTIONS		
BENTON BOULEVARD EXTENSION		
CHECKED:	DATE:	DRAWING No. 05-0006
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PAVEMENT DESIGN

- A

165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

B

220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

C

440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

D

10" GRADED AGGREGATE BASE

F

GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"
- H

4" THICK STAMPED CONCRETE, COLORED & SEALED
SEE SHEET 5-0015 FOR DETAIL

J

6" GRADED AGGREGATE BASE

O

220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

P

8" GRADED AGGREGATE BASE
- S

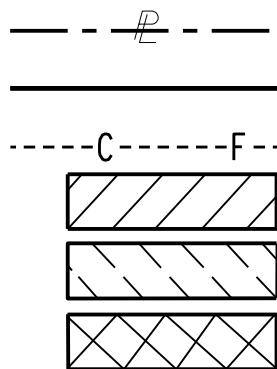
SAFETY EDGE
SEE GOOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

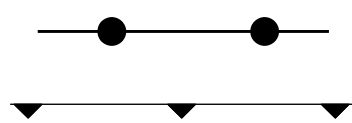
** SHOULDER TO SLOPE AT NORMAL RATE, HOWEVER, THE ALGEBRAIC DIFFERENCE IN PAVING SLOPE AND SHOULDER SLOPE SHALL NOT EXCEED 8%. MINIMUM SHOULDER SLOPE TO BE 2%.

▲ INSTALL 6" GAB UNDER ALL TYPE 2 & TYPE 7 CURB & GUTTER WITHIN THE FOLLOWING STATION RANGES:
BENTON BLVD STA 62+80 TO 65+50
BENTON BLVD STA 88+89 TO END
MEINHARD ROAD STA 198+69 TO 201+35
SR 30 STA 297+54 TO 302+36

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES

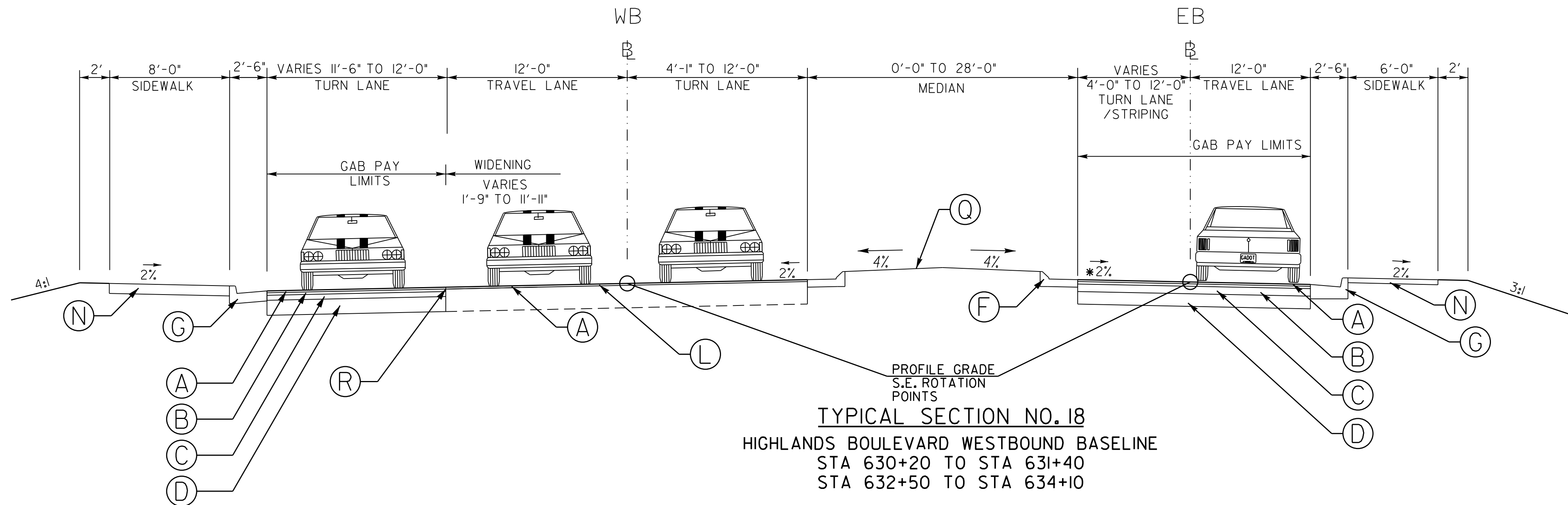
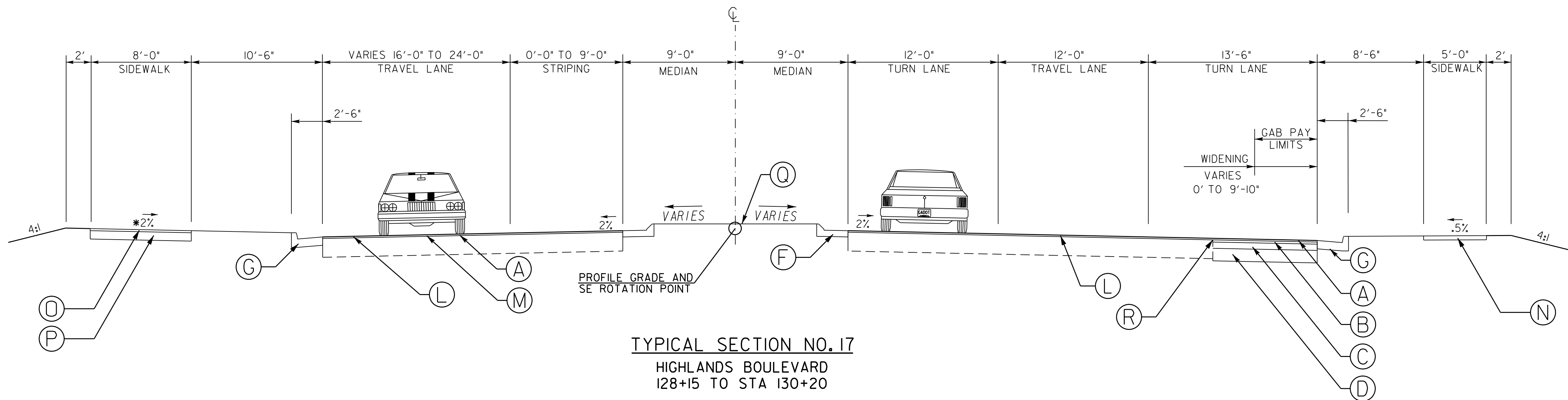
11/19/18		

TYPICAL SECTIONS

BENTON BOULEVARD EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

05-0007



PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE

(F) GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"
- (G) GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" X 30"

(L) ASPHALTIC CONCRETE LEVELING AS REQUIRED

(M) ASPHALT MILLING

(N) CONC SIDEWALK, 4 IN

(O) 220 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME
- (P) 8" GRADED AGGREGATE BASE

(Q) GRASSED MEDIAN UNLESS BACK OF CURB TO BACK OF CURB DIMENSION IS LESS THAN 8' THEN CONC SIDEWALK, 4 IN MEDIAN PAVING GA STD 9032B

(R) PAVEMENT REINFORCEMENT FABRIC 18" WIDE

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ORANGE BARRIER FENCE

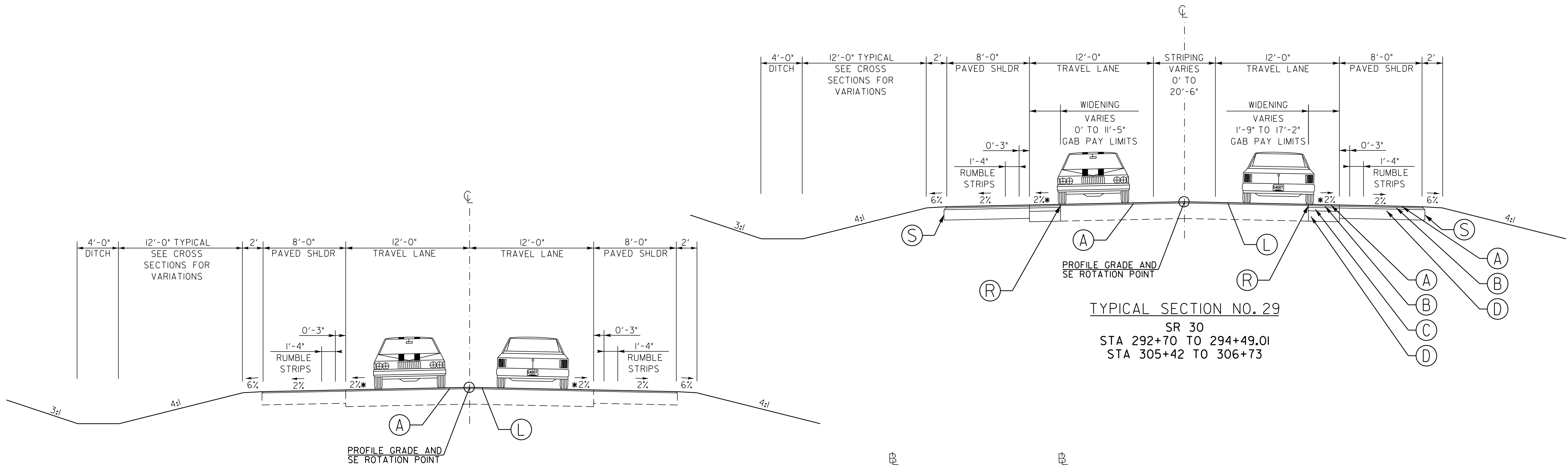
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

REVISION DATES
11/19/18

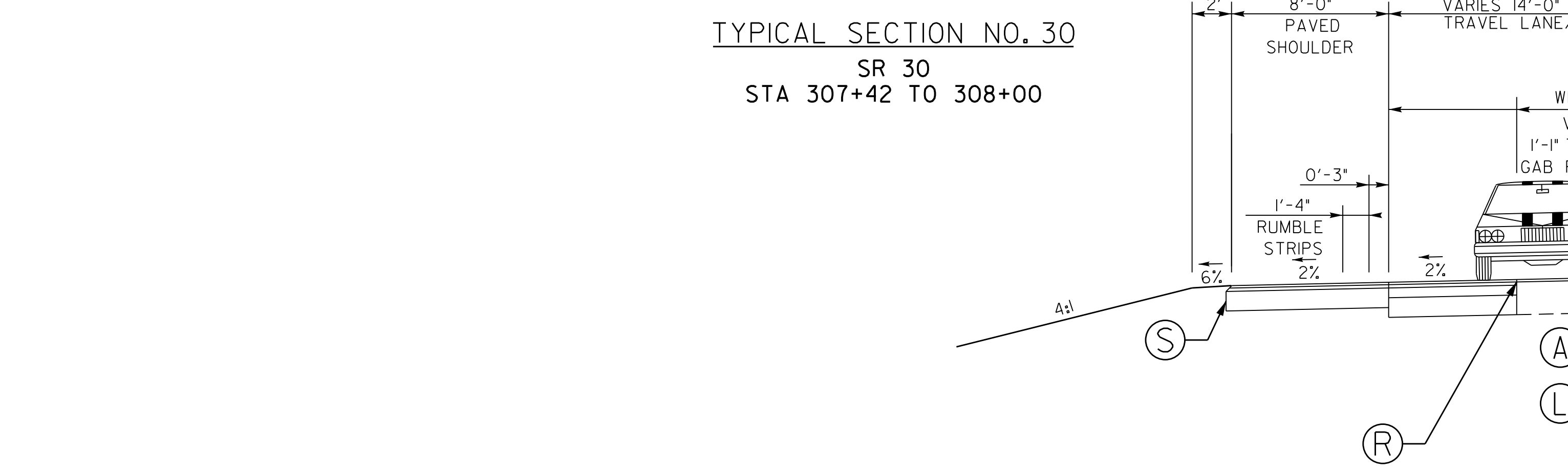
TYPICAL SECTIONS
BENTON BOULEVARD EXTENSION

CHECKED: DATE: DRAWING No.
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

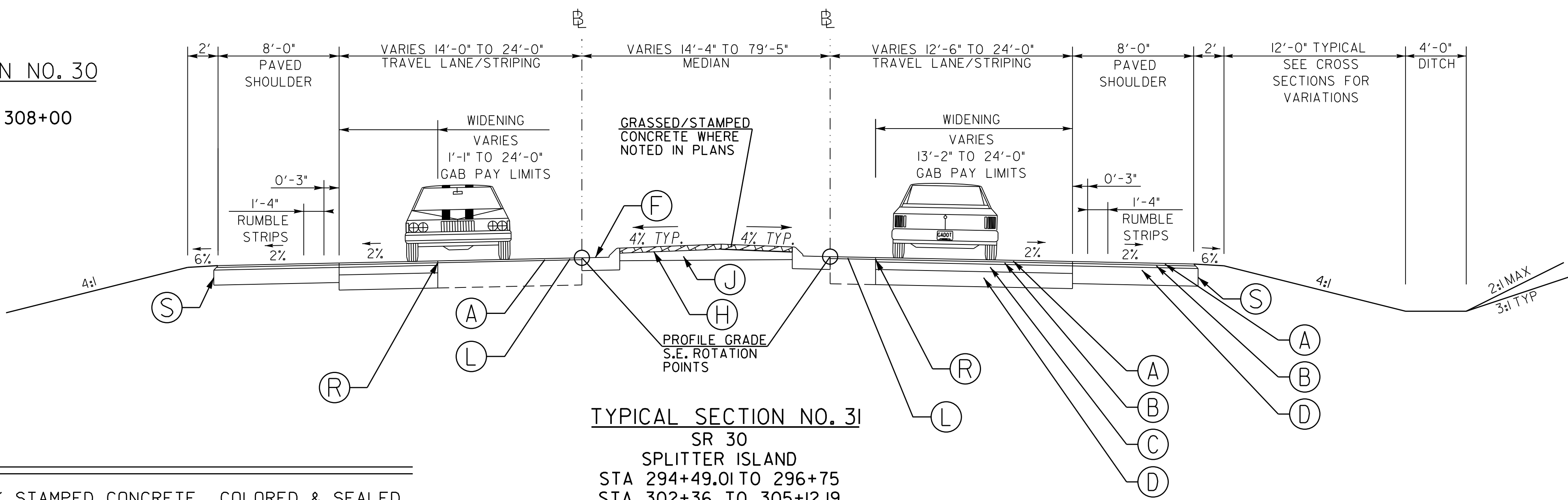
05-0008



TYPICAL SECTION NO. 29
SR 30
STA 292+70 TO 294+49.01
STA 305+42 TO 306+73



TYPICAL SECTION NO. 30
SR 30
STA 307+42 TO 308+00



TYPICAL SECTION NO. 31
SR 30
SPLITTER ISLAND
STA 294+49.01 TO 296+75
STA 302+36 TO 305+12.19

PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE

(F) GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"

(H) 4" THICK STAMPED CONCRETE, COLORED & SEALED SEE SHEET 5-0015 FOR DETAIL

(J) 6" GRADED AGGREGATE BASE

(L) ASPHALTIC CONCRETE LEVELING AS REQUIRED

(R) PAVEMENT REINFORCEMENT FABRIC 18" WIDE

(S) SAFETY EDGE SEE GDOT DETAIL P-7

* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

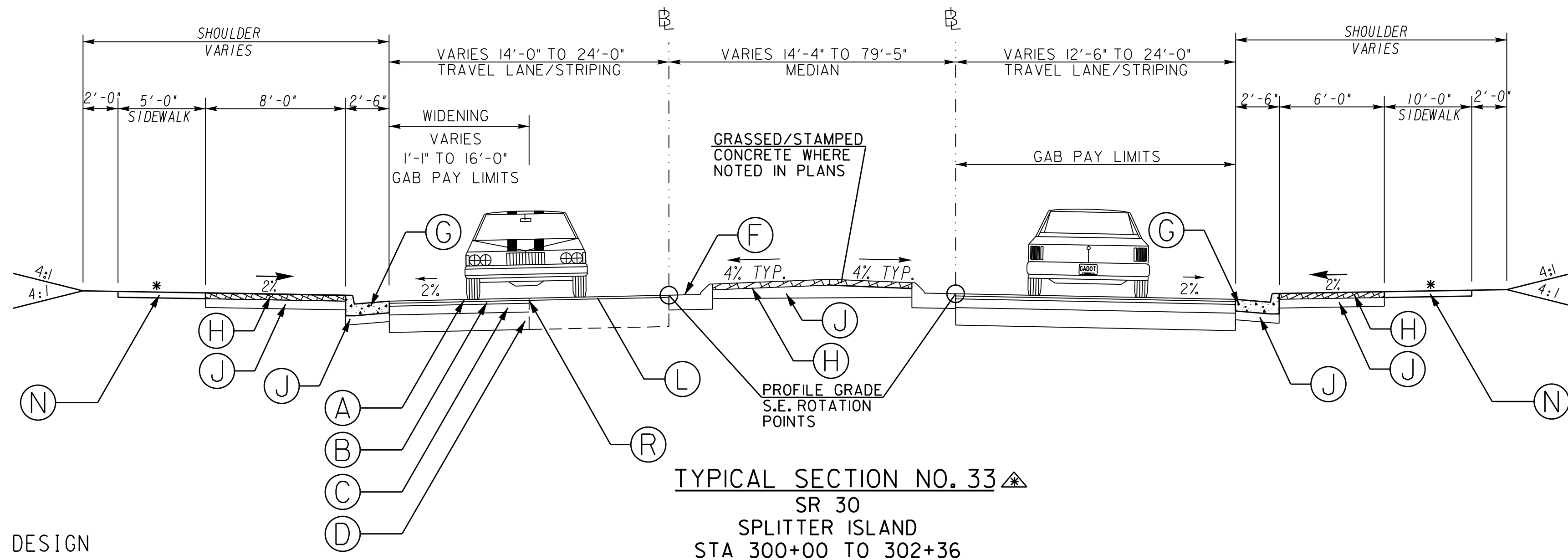
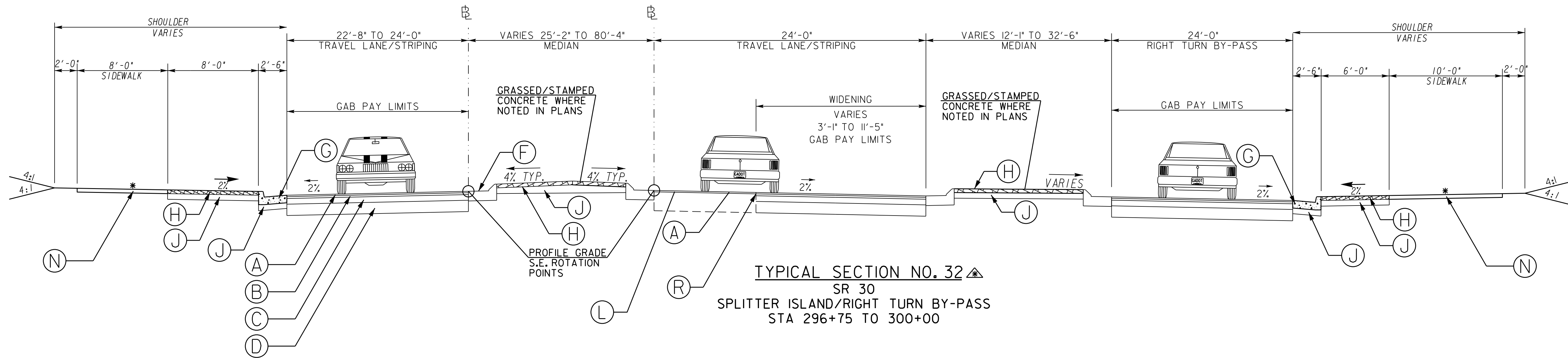
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

REVISION DATES		
11/19/18		

TYPICAL SECTIONS		
BENTON BOULEVARD EXTENSION		
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	05-0012
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PAVEMENT DESIGN

- (A) 165 LB/SY RECYCLED ASPH CONC 12.5MM SUPERPAVE, GROUP 2 ONLY, INCL BITUM MATL & H LIME

(B) 220 LB/SY RECYCLED ASPH CONC 19MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(C) 440 LB/SY RECYCLED ASPH CONC 25MM SUPERPAVE, GROUP 1 OR 2, INCL BITUM MATL & H LIME

(D) 10" GRADED AGGREGATE BASE

(F) GA DOT STD 9032B, TYPE 7 CONCRETE CURB & GUTTER, 8" X 30"
- (G) GA DOT STD 9032B, TYPE 2 CONCRETE CURB & GUTTER, 8" X 30"

(H) 4" THICK STAMPED CONCRETE, COLORED & SEALED SEE SHEET 5-0015 FOR DETAIL

(J) 6" GRADED AGGREGATE BASE

(L) ASPHALTIC CONCRETE LEVELING AS REQUIRED

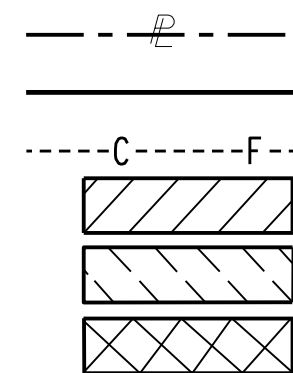
(N) CONC SIDEWALK, 4 IN

(R) PAVEMENT REINFORCEMENT FABRIC 18" WIDE

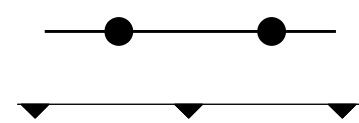
* SEE CONSTRUCTION PLANS FOR CROSS SLOPE TRANSITIONS AND EXACT LOCATION OF SIDEWALK PAVEMENT DESIGN CHANGES

▲ INSTALL 6" GAB UNDER ALL TYPE 2 & TYPE 7 CURB & GUTTER WITHIN THE FOLLOWING STATION RANGES:
BENTON BLVD STA 62+80 TO 65+50
BENTON BLVD STA 88+89 TO END
MEINHARD ROAD STA 198+69 TO 201+35
SR 30 STA 297+54 TO 302+36

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES

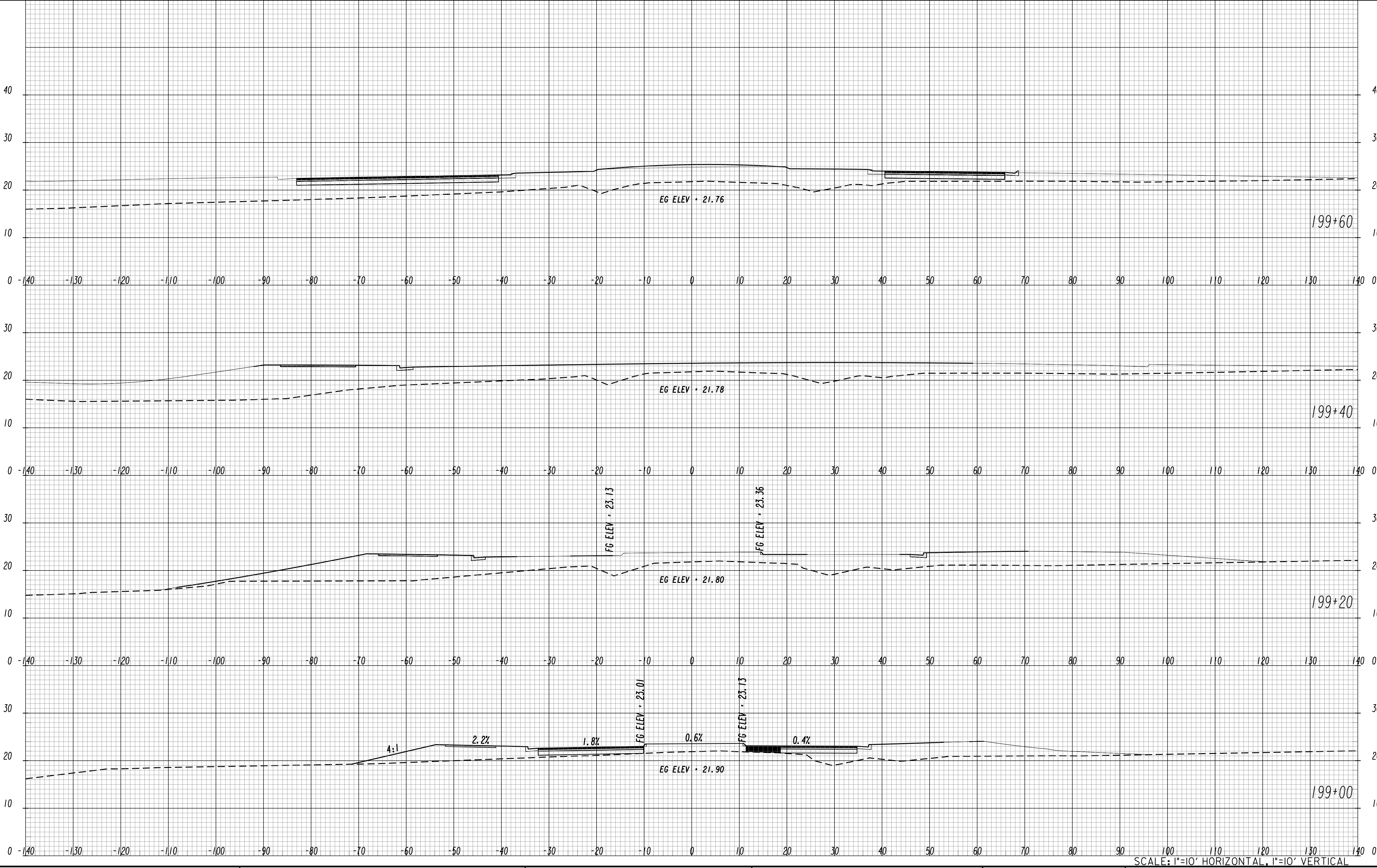
DATE	DESCRIPTION
11/19/18	

TYPICAL SECTIONS

BENTON BOULEVARD EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

05-0013



SCALE: 1"=10' HORIZONTAL, 1"=10' VERTICAL

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

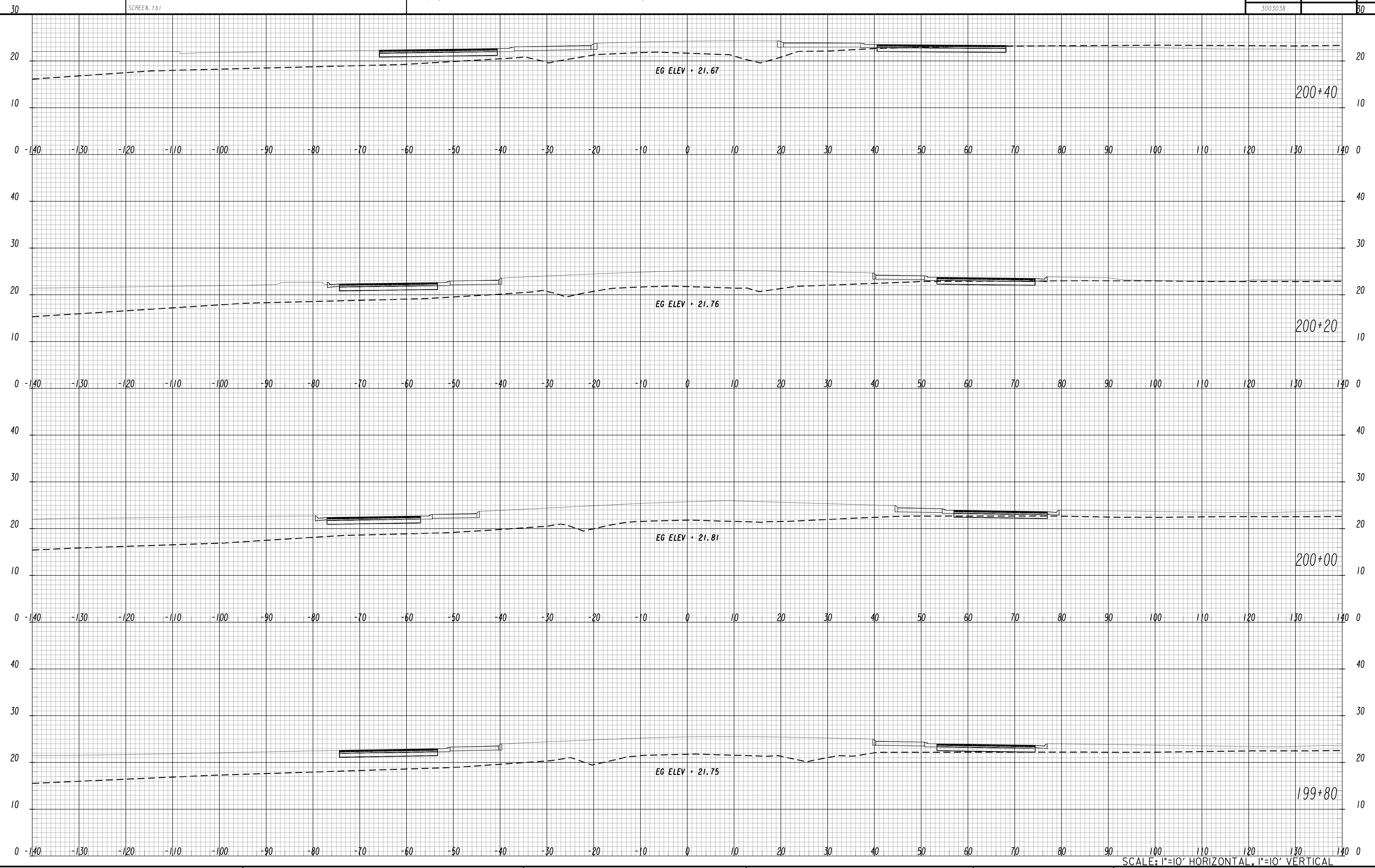
ALL CROSS SLOPES, FORESLOPES, AND BACKSLOPES ARE LABELED PERPENDICULAR TO THE EDGE OF PAVEMENT BASELINES.

REVISION DATES

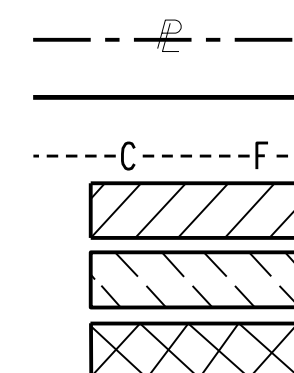
11/19/18		

EARTHWORK CROSS SECTIONS
MEINHARD ROAD
BENTON BOULEVARD EXTENSION

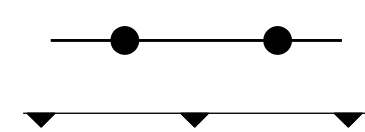
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



ALL CROSS SLOPES, FORESLOPES, AND
BACKSLOPES ARE LABELED PERPENDICULAR
TO THE EDGE OF PAVEMENT BASELINES.

[illegible]

EARTHWORK CROSS SECTIONS
MEINHARD ROAD
BENTON BOULEVARD EXTENSION

CHECKED:	DATE:	DRAWING No. 23-0062
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	