

STATE	REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.	LAST SHEET NO.
AL	SCP 59-904-19	2025	1	33
CONTRACT ID NO				

Design Designation	
ADT ( 2025 )	570
ADT ( 2045 )	935
K	N/A
D	N/A
TDHV	N/A
TADT	1.0%
V ( Design Speed ) (m.p.h.)	45
Min. Stopping Sight Dist.	360

These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2022 Edition.

Note: The bidder's attention is directed to subarticle 102.08(b), contained in the 2022 Standard Specifications concerning combination bids (county financed projects).



COUNTY COMMISSIONERS	
DISTRICT #1 KEVIN MORRIS	DISTRICT #2 TOMMY EDWARDS
DISTRICT #3 JON PARKER	DISTRICT #4 WARD WILLIAMS
DISTRICT #5 ELWYN BEARDEN	DISTRICT #6 JOSH SISK
DISTRICT #7 LINDSEY ALLISON	DISTRICT #8 RICK SHEPHERD
DISTRICT #9 DR. ROBBIE HAYES	

COUNTY ENGINEER  
*Clay B. Randolph*

PREPARED BY:

**BK** **BURK-KLEINPETER, INC.**  
ENGINEERING - PLANNING - ENVIRONMENTAL

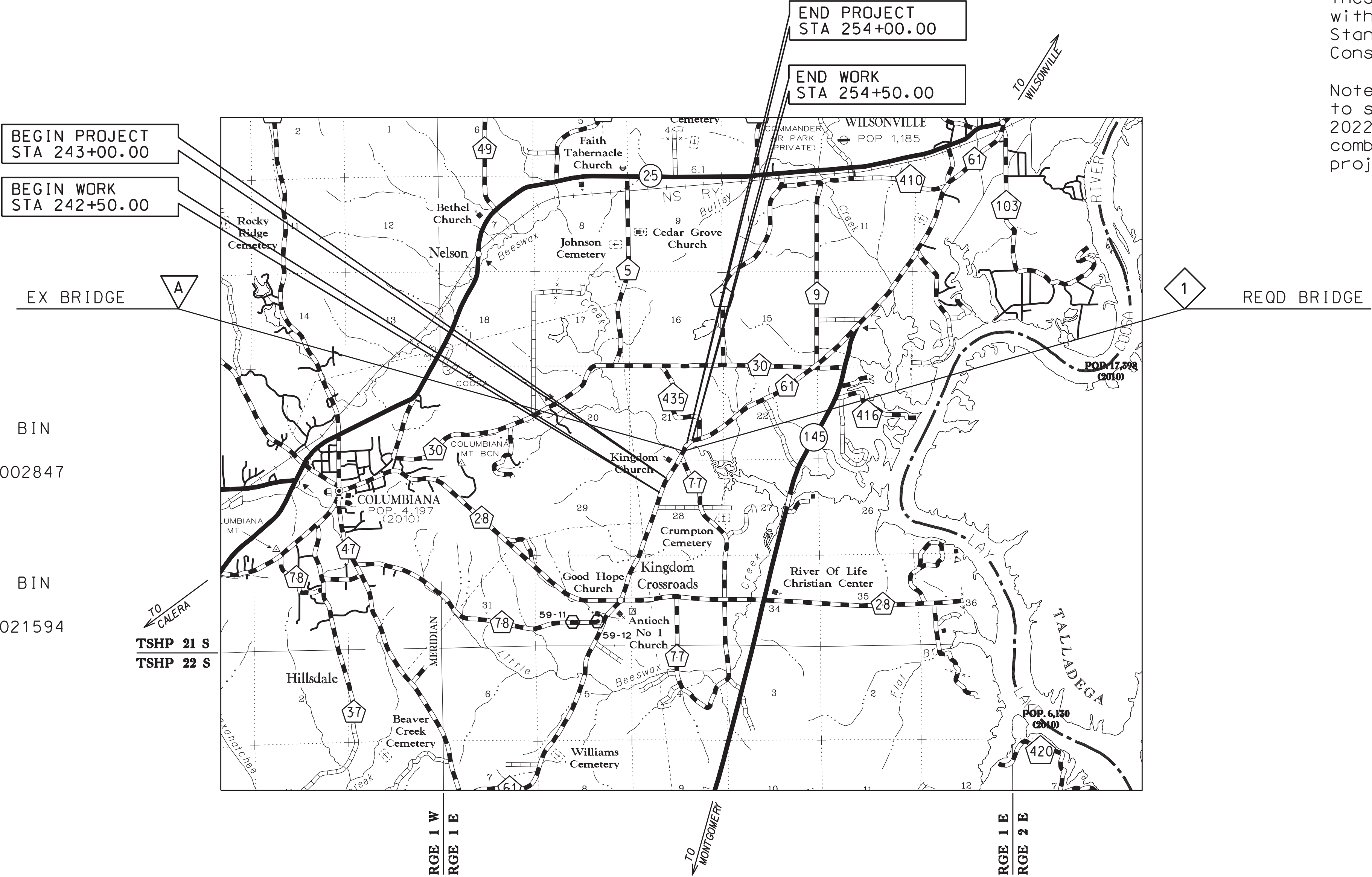
ENGINEER: CLAY B. RANDOLPH  
NO: AL 32459  
DATE: 1/23/2025



# SHELBY COUNTY HIGHWAY DEPARTMENT

## SCP 59-904-19 BRIDGE REPLACEMENT AND APPROACHES ON CR-61 OVER BEESWAX CREEK

### SHELBY COUNTY



EXISTING BRIDGE (REMOVE)				
INDEX	STA	TO STA	LENGTH	BIN
A	247+86.00	249+56.00	170.00'	002847

REQUIRED BRIDGE				
INDEX	STA	TO STA	LENGTH	BIN
1	247+75.00	249+85.00	210.00'	021594

EQUATIONS AND EXCEPTIONS: N/A  
NONE

Total Stationing of Project	1,100.00 FT	
Equations & Exceptions	00.00 FT	
Net Length of Project	1,100.00 FT	0.208 MI
Net Length of Bridges	210.00 FT	0.040 MI
Net Length of Roadways	890.00 FT	0.168 MI

# INDEX TO SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	1A

SHEET NO.	DESCRIPTION
1	TITLE
1A	INDEX TO SHEETS
1B	INDEX TO SPECIAL AND STANDARD DRAWINGS
1C	PLANS LEGEND SHEET
1D	PLANS LEGEND SHEET ABBREVIATIONS
2-2B	TYPICAL SECTIONS
2C	PROJECT NOTES
3-3A	SUMMARY OF QUANTITIES
4	PLAN & PROFILE SHEET (CR-61)
4A	PLAN & PROFILE SHEET (CR-77)
5	OMIT
6	UTILITY SHEET
7	OMIT
8	GENERAL TRAFFIC CONTROL PLAN NOTES
9	TRAFFIC CONTROL PLAN
10	TRAFFIC CONTROL PLAN DETOUR
11-12	TEMPORARY TRAFFIC CONTROL PLAN SHEET
12A	OMIT
12B	OMIT
13	EROSION & SEDIMENT CONTROL LEGEND
14	EROSION CONTROL PLAN
15-15P	BRIDGE SHEETS
16-16G	BRIDGE SPECIAL PROJECT DRAWINGS
17	DRAINAGE SECTION
18-30	CROSS SECTIONS (CR-61)
31-32	CROSS SECTIONS (CR-77)
33	EARTHWORK SUMMARY



# INDEX TO SPECIAL AND STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	1B

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWING BOOK ( U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2025 WHICH APPLY TO THIS PROJECT:

INDEX NO.	DRAWING NO.	DESCRIPTION
45013	CPJ-450 (SHEET 1 OF 2)	DETAILS OF STANDARD PLAIN AND REINFORCED CEMENT CONCRETE PAVEMENT AND BRIDGE END SLAB JOINTS
45014	CPJ-450 (SHEET 2 OF 2)	DETAILS OF STANDARD PLAIN AND REINFORCED CEMENT CONCRETE PAVEMENT AND BRIDGE END SLAB JOINTS
53004	RPC-530 (SHEET 1 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (RCP AND CMP)
53005	RPC-530 (SHEET 2 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (CMP AND RCP)
53006	RPC-530 (SHEET 3 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (H.D.P.E. PIPE)
60201	M-602	DETAILS OF MONUMENTS TO BE USED FOR REFERENCE OF CARDINAL POINTS OF HIGHWAY R.O.W. LINE AND LAND SURVEY CORNERS
61001	RR-610	DETAILS OF RIPRAP TO BE USED AT BRIDGE ENDS
61909	HW-614-B (SHEET 1 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
61910	HW-614-B (SHEET 2 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE
63001	GR-630-S (SHEET 1 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS (DELINEATORS / REFLECTORS FOR GUARDRAIL OR CONCRETE BARRIER RAIL)
63002	GR-630-S (SHEET 2 OF 3)	(MASH) GUARDRAIL HEIGHT TRANSITION DETAIL
63003	GR-630-S (SHEET 3 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS
63006	GR-630-FD (SHEET 1 OF 2)	FLARE DETAIL AND WARRANTY CRITERIA FOR BEAM GUARDRAIL
63037	GA-630-13 (M)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 13 (MASH)
63050	GA-630-20 (SHEET 1 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (SOFTSTOP)
63051	GA-630-20 (SHEET 2 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MSKT)
63052	GA-630-20 (SHEET 3 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)
63053	GA-630-20 (SHEET 4 OF 4)	DETAILS OF SINGLE GUARDRAIL TERMINAL - TYPE 20 SERIES SGET (MASH)(TL-3)
63601	F-636	DETAILS OF FOUR STRAND BARBED WIRE FENCE WITH WOOD POSTS
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION
66501	ESC-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	ESC-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	ESC-200-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER
66512	ESC-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECK
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS
66520	ESC-300-9	DETAILS OF WATTLE SLOPE INTERRUPTERS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501	FLOATING BASIN BOOM
66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
66541	ESC-505	TEMPORARY STREAM DIVERSION
66544	ESC-506-1	SUSPENDE PIPE DIVERSION (DOWNSTREAM)
66545	ESC-506-2	SUSPENDE PIPE DIVERSION (UPSTREAM)
66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
67201	ESC-508	FLOCCULANT USAGE GUIDE
68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
68004	TO-107	DETAILS OF INTERSECTIONS AND TURNOUTS
68016	SSEC-1 (SHEET 1 OF 14)	STANDARD SUPERELEVATION OF CURVES
68018	SSEC-1 (SHEET 3 OF 14)	STANDARD SUPERELEVATION OF CURVES
68019	SSEC-1 (SHEET 4 OF 14)	STANDARD SUPERELEVATION OF CURVES
70101	PS-701-6	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
70501	PM-705-1	DETAILS OF PAVEMENT MARKERS CLASS A, A-H, AND B
70504	PM-705-2	DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS
71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING OF STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
71067	SHS-8	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS
71095	SHS-31	STANDARD HIGHWAY SIGNS
74001	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE I AND TYPE II
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES

PLANS LEGEND SHEET				REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO												
				SCP 59-904-19	2025	1C												
ROADWAY				UTILITIES														
<div>CENTER LINE ..... STATE BOUNDARY LINE ..... COUNTY BOUNDARY LINE ..... CITY OR TOWN LIMITS ..... SECTION LINES ..... QUARTER-SECTION LINES ..... RANGE-TOWNSHIP LINES ..... PROPERTY LINES ..... PRESENT ROW ..... ACQUIRED ROW ..... DENIED ACCESS ..... REQUIRED FENCE ..... CONSTRUCTION LIMITS ..... CLEARING LIMITS ..... RAILROAD ..... EXISTING WOOD FENCE ..... EXISTING BARBED WIRE FENCE ..... EXISTING CHAIN LINK FENCE ..... EXISTING ELECTRIC FENCE ..... EXISTING HOG WIRE FENCE ..... TREES ..... WOODS LINE ..... MARSH ..... EXISTING DITCH ..... REQUIRED DITCH..... GRAVEL ROAD ..... EXISTING GUARDRAIL ..... REQUIRED GUARDRAIL ..... SATELLITE DISH ..... TRAFFIC LIGHT ..... BENCH MARK ..... SURVEY POINT ..... ENVIRONMENTAL CLEARED LIMITS ..... 55+00 SEC 22 SEC 23 R-17-E R-18-E CONST LIM ENV</div>				<div>EXISTING PIPE ..... REQUIRED PIPE (WITH PIPE END TREATMENT)..... REQUIRED PIPE END TREATMENT..... EXISTING BOX CULVERT ..... REQUIRED BOX CULVERT ..... EXTENDED CULVERT ..... DROP INLET OR JUNCTION BOX (SEE PLANS DESCRIPTION )..... BRIDGE ..... PIPE CULVERT (ELEVATION VIEW) .... BOX CULVERT (ELEVATION VIEW) .... 410.25 420.55</div> <div>DRAINAGE STRUCTURE INDEX NUMBERS DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAINAGE STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER. 8 88 REQD 18" RCP ROADWAY PIPE EXAMPLE ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER. SD 4 REQD 18" SIDE DRAIN PIPE EXAMPLE DIRECTION OF FLOW .....</div>			<div>POWER POLE ..... LIGHT POLE ..... TELEPHONE POLE ..... ANCHOR ..... STUB (POWER) ..... STUB (TELEPHONE) ..... ELECTRIC DUCT ..... BURIED ELECTRIC CABLE ..... OVERHEAD ELECTRIC CABLE ..... ELECTRIC MANHOLE ..... TOWER ..... TELEPHONE PEDESTAL ..... TELEPHONE DUCT ..... BURIED TELEPHONE CABLE ..... OVERHEAD TELEPHONE CABLE ..... TELEPHONE MANHOLE ..... SANITARY SEWER ..... WATER LINE ..... WATER MAIN ..... WATER VALVE ..... FIRE HYDRANT ..... WATER METER ..... GAS LINE ..... GAS MAIN ..... GAS VALVE ..... GAS REGULATOR ..... BURIED CABLE TELEVISION..... OVERHEAD CABLE TELEVISION..... EXISTING PROPOSED EL 4MTD BE OE E TP 4MTD BTC OTC TMH S W WM G GM BTM OTV</div> <div>REQUIRED PAVEMENT ..... EXISTING PAVEMENT (RETAIN)..... EXISTING PAVEMENT (REMOVE)..... EXISTING PAVEMENT (RETAIN AND OVERLAY).. EXISTING PAVEMENT (PLANE AND OVERLAY)... CONCRETE (EXISTING OR REQUIRED)..... EXISTING CONCRETE (REMOVE)..... RIP RAP (EXISTING OR REQUIRED).....</div>											
<div>BKIBURK-KLEINPETER, INC. ENGINEERING - PLANNING - ENVIRONMENTAL</div>				<div>PLAN SUBMITTAL FINAL</div>			<div>SHELBY COUNTY ALABAMA</div>			NOT TO SCALE			SHEET TITLE PLANS LEGEND SHEET			ROUTE CR-61		



PLANS LEGEND SHEET ABBREVIATIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	1D

ABANDON(ED).....ABAN  
ABUTMENT.....ABUT  
ACCELERATION.....ACCL  
ACQUIRED.....ACQD  
ACRE.....AC  
AHEAD.....AH  
ALABAMA.....AL  
ALABAMA DEPARTMENT OF TRANSPORTATION.....ALDOT  
ALTERNATE.....ALT  
APPROXIMATE(LY).....APP  
AREA.....A  
ASPHALT.....ASP  
AVERAGE ANNUAL DAILY TRAFFIC.....AADT  
BACK.....BK  
BACK OF GUARDRAIL.....BK-GR  
BACKSIGHT.....BS  
BARBED WIRE.....B/W  
BARREL.....BBL  
BARRIER.....BAR  
BASE LINE.....BL or )  
BEARING.....BRNG  
BEGIN.....BEG  
BEGINNING OF PROJECT.....BOP  
BETWEEN.....BTW  
BILLBOARD.....BBD  
BENCH MARK.....BM  
BITUMINOUS.....BIT  
BITUMINOUS COATED CORRUGATED METAL PIPE...BCCMP  
BOUNDARY.....BDY  
BRIDGE.....BRG  
BRIDGE END SLAB.....BES  
CAPACITY.....CAPY  
CAST IRON.....CI  
CAST IN PLACE.....CIP  
CATCH BASIN.....CB  
CENTER LINE.....CL  
CHAIN LINK.....C/L  
CLASS.....CLS  
CONCRETE.....CONC  
CONNECTION.....CONN  
CONSTRUCTION LIMITS.....CONST LIM  
CORNER.....COR  
CORRECTION.....CORR  
CORRUGATED IRON.....CORI  
CORRUGATED METAL.....CM  
CORRUGATED METAL PIPE.....CMP  
CORRUGATED PLASTIC PIPE.....CPP  
COUNTY.....CO  
COUNTY ROAD.....CO-RD  
CREEK.....CK  
CROSS SECTION.....X-SECT  
CROWN REMOVED.....CR  
CUBIC FEET.....FT3 or CU FT  
CUBIC FEET PER SECOND.....CFS  
CUBIC YARD.....YD3 or CU YD  
CUBIC METERS.....M3  
CULVERT.....CULV  
CULTIVATED.....CULT  
CURB FACE.....CF  
CURB AND GUTTER.....C&G  
CUT.....C  
CURVE TO SPIRAL.....CS  
DECLERATION.....DECEL  
DECLINATION.....DECL  
DEGREE OF CURVE.....D  
DENIED ACCESS.....D/A  
DEPARTURE.....DEP  
DIAMETER.....DIA  
DIRECTION.....DIR  
DISTANCE.....DIST  
DOUBLE.....DBL  
DOUBLE BARREL CULVERT.....CD  
DRAINAGE AREA.....DA  
DRIVE.....DR  
DROP INLET.....DI  
EACH.....EA  
EASEMENT.....ESMT  
EAST.....E  
EAST BOUND ROADWAY.....EBR  
EDGE OF PAVEMENT.....EP  
ELEVATION.....EL or ELEV  
END OF RETURN.....ER  
END ANCHOR.....E/A  
END OF PROJECT.....EOP  
EQUATION.....EQ  
EROSION CONTROL PRODUCTS.....ECP  
EXCAVATION.....EXCAV  
EXISTING.....EX  
EXPANSION.....EXP  
EXTENSION.....EXT  
EXTERNAL.....E  
EXTRA STRENGTH.....EXT STR  
FEET.....FT  
FILL.....F  
FILTER BLANKET.....FLT BLNK  
FINISHED GRADE.....FG  
FINISHED SURFACE.....FS  
FISCAL YEAR.....FY  
FIXED.....FIX  
FLAT BOTTOM.....FB  
FLOW LINE.....FL or f

FORESIGHT OR FRONTSIGHT.....FST  
FRACTIONAL.....FRAC  
FULL SUPERELEVATION.....FS  
GALLON.....GAL  
GASOLINE PUMPS.....GPP  
GARAGE.....GAR  
GAUGE.....GA  
GIRDER.....GDR  
GOVERNMENT.....GOV  
GRASS.....GRS  
GRADE CHANGE.....GC  
GRADE POINT.....GP  
GRADE ROD.....GRD  
GRAVEL.....GRV  
GUARDRAIL.....GR  
HEADWALL.....HDWL  
HECTARE.....HA  
HIGH WATER MARK.....HWM  
HEIGHT.....HT  
HEIGHT OF INSTRUMENT.....HI  
HIGH WATER.....HW  
HIGHWAY.....HWY  
HOGWIRE.....H/W  
HORIZONTAL.....HOR  
HUB & TACK.....H&T  
HYDRANT.....HYD  
IMPACT ATTENUATOR.....IA  
IN ACCORDANCE WITH.....I/A/W  
IN PLACE.....IN-PL  
INCHES.....IN  
INCLUDING.....INCL  
INCORPORATED.....INC  
INSTRUMENT.....INST  
ISLAND.....ISL  
JOINT.....JT  
JUNCTION.....JCT  
JUNCTION BOX.....JB  
KILOMETER.....KM  
KILOMETER POST.....KMP  
KILOMETERS PER HOUR.....KPH  
LANE.....LN  
LATITUDE.....LAT  
LEFT.....LT  
LEFT AHEAD.....LA  
LEFT BACK.....LB  
LEFT EDGE OF PAVEMENT.....LEP  
LENGTH OF CURVE.....L  
LINK.....LK  
LIMIT.....LIM  
LINEAR.....LIN  
LINEAR FEET.....LIN FT  
LONGITUDE.....LONG  
MANHOLE.....MH  
MARKER.....MRK  
MAXIMUM.....MAX  
MEAN HIGH WATER.....MHW  
MEAN LOW WATER.....MLW  
MEASUREMENT.....MEAS  
MEDIAN.....MED  
METER.....M  
MERIDIAN.....MER  
MILE POST.....MP  
MILES.....MI  
MILES PER HOUR.....MPH  
MILLIMETER.....MM  
MINIMUM.....MIN  
MONUMENT.....MON  
MULTIPLE.....MULT  
NORMAL.....NORM  
NORMAL CROWN.....NC  
NORMAL CROWN SLOPE.....NCS  
NORTH.....N  
NORTH BOUND ROADWAY.....NBR  
NORTHING-EASTING.....NE  
NOT IN CONTRACT.....NIC  
NOT TO SCALE.....NTS  
NUMBER.....NO  
OBSERVATION.....OBS  
ON CENTER.....OC  
ORIGINAL.....ORIG  
OVERHEAD.....OHD  
OVERHAUL.....OH  
OUT TO OUT.....OO  
PAINT.....PNT  
PAVED.....PVD  
PAVED SHOULDER.....PVD SH  
PAVEMENT.....PVMT  
PIPE END TREATMENT.....PET  
PIPE ENTERING CULVERT.....PEC  
PLATE GIRDER.....PL GDR  
POINT OF BEGINNING.....POB  
POINT OF COMPOUND CURVE.....PCC  
POINT OF CURVATURE.....PC  
POINT OF REVERSE CURVATURE.....PRC  
POINT OF ENDING.....POE  
POINT OF INTERSECTION.....PI  
POINT OF TANGENCY.....PT  
POINT ON CURVE.....POC  
POUND.....LB  
PRESENT.....PRES  
PROFILE GRADE.....PG

PROJECT.....PROJ  
PROJECT CONTROL.....PJC  
PROPERTY LINE.....P  
PROPOSED.....PROP  
QUADRUPLE.....QUAD  
QUADRUPLE BARREL CULVERT.....CQ  
QUANTITY.....QUANT  
RADIUS.....R  
RAILROAD.....RR  
RANGE.....RGE  
RECORD.....REC  
REDUCTION.....RED  
REFERENCE.....REF  
REFERENCE POINT.....RP  
REFERENCE POINT FOR POINT ON TANGENT.....RPPOT  
REINFORCED.....REINF  
REINFORCED CONCRETE.....RC  
REINFORCED CONCRETE DECK GIRDER.....RCDG  
REINFORCED CONCRETE PIPE.....RCP  
REINFORCING STEEL.....REINF STL  
RELOCATE.....RELC  
REMOVE.....REM  
REQUIRED.....REQD  
RETAIN(ING).....RET  
REVERSE CROWN.....RC  
REVISION.....REV  
RIGHT.....RT  
RIGHT AHEAD.....RA  
RIGHT BACK.....RB  
RIGHT EDGE OF PAVEMENT.....REP  
RIGHT OF WAY.....ROW  
RIGHT OF WAY MARKER.....ROWM  
RIVER.....RIV  
ROAD.....RD  
ROADWAY.....RDWY  
SECTION.....SEC  
SERVICE ROAD.....SER RD  
SHEET.....SHT  
SHEET PILING.....SHT PILE  
SHOULDER.....SHLD  
SIDE DRAIN.....SD  
SIDEWALK.....SW  
SIGHT DISTANCE.....S DIST  
SINGLE BARREL CULVERT.....CS  
SKEW.....SK  
SLOPE STAKE.....SST  
SOLID SODDING.....SOL SOD  
SOUTH.....S  
SOUTH BOUND ROADWAY.....SBR  
SPECIAL.....SP  
SPECIAL DITCH.....SP-DT  
SPECIAL DITCH LEFT.....SDL  
SPECIAL DITCH MEDIAN.....SDM  
SPECIAL DITCH RIGHT.....SDR  
SPECIAL DRAWING.....SP-DWG  
SPECIFICATIONS.....SPEC  
SPRING LINE.....SL  
SPIRAL TO CURVE.....SC  
SPIRAL POINT OF INTERSECTION.....SPI  
SPIRAL TO TANGENT.....ST  
SQUARE.....SQ  
SQUARE FEET.....FT2 or SQ FT  
SQUARE METERS.....M2  
SQUARE YARD.....YD2 or SQ YD  
STAKE.....STK  
STANDARD.....STD  
STANDARD DRAWING.....STD-DWG  
STANDARD STRENGTH.....STD STR  
STATION.....STA  
STATION & ELEVATION.....S/E  
STATION & OFFSET.....SO  
STOPPING SIGHT DISTANCE.....SSD  
STREET.....ST  
STRUCTURE.....STR  
SUB-GRADE.....SG  
SUPERELEVATION.....SE,se or e  
SURVEY.....SRV  
SYMMETRICAL.....SYM  
TANGENT.....TAN  
TANGENT LENGTH (CURVE DATA).....T  
TANGENT TO SPIRAL.....TS  
TEMPORARY.....TEMP  
TEMPORARY BENCH MARK.....TBM  
THROAT.....TH  
TOWNSHIP.....TSHP  
TRIPLE.....TR  
TRIPLE BARREL CULVERT.....CT  
TURN OUT.....TO  
TURNING POINT.....TP  
TYPE.....TY  
UNIT.....U  
UNKNOWN.....UNK  
UNPAVED.....UNPVD  
VALLEY GUTTER.....VG  
VARIABLE.....VAR  
VERTICAL.....VERT  
VERTICAL CURVE.....VC  
VERTICAL POINT OF CURVATURE.....PVC  
VERTICAL POINT OF INTERSECTION.....PVI  
VERTICAL POINT OF TANGENCY.....PVT  
VITRIFIED.....VIT

VOLUME.....VOL  
WEST.....W  
WEST BOUND ROADWAY.....WBR  
WING WALL.....WW  
WITNESS CORNER.....WC  
WOOD.....WD  
WORKING POINT.....WP  
WOVEN WIRE.....W/W  
YARD.....YD

STRUCTURES

NUMBER OF STORIES.....1,2,3,4  
FRAME.....FR  
BUILDING.....BLDG  
BLOCK.....BLK  
BRICK.....BR  
STUCCO.....STU  
METAL.....MET  
RESIDENCE.....RES  
BUSINESS.....BUS  
WAREHOUSE.....WHSE  
CHICKEN HOUSE.....CH HSE  
CHURCH.....CH  
SCHOOL.....SCH  
DOUBLE WIDE MOBILE HOME.....DW MH  
MOBILE HOME.....MH

UTILITIES

ANCHOR WIRE.....AW  
BURIED ELECTRIC.....BE  
BURIED FIBER OPTIC.....BFO  
BURIED TELEPHONE CABLE.....BTC  
BURIED CABLE TELEVISION.....BTV  
CAST IRON.....CI  
CIRCUIT.....CKT  
DUCTILE IRON.....DUC IRON  
EASEMENT.....ESMT  
FIBER OPTIC.....FO  
FIRE HYDRANT.....FH  
FORCED MAIN (SANITARY SEWER).....FM  
GAS MAIN.....GM  
GAS METER.....GMET  
GAS VALVE.....GV  
GUY WIRE.....GUY  
HIGH PRESSURE.....HP  
KILOVOLT AMPS.....KVA  
MANHOLE.....MH  
MERCURY VAPOR LIGHT.....MVL  
OVERHEAD FIBER OPTIC.....OFO  
OVERHEAD TELEPHONE CABLE.....OTC  
OVERHEAD ELECTRIC CABLE.....OE  
OVERHEAD CABLE TELEVISION.....OTV  
PAIR.....PR  
PEDESTAL.....PED  
POLY-VINYL CHLORIDE PIPE.....PVC  
POWER POLE.....PP  
SANITARY SEWER.....SS  
SERVICE.....SERV  
STEEL.....STL  
STORM DRAIN.....STM  
STORM SEWER.....STMS  
SWITCH.....SW  
TELEPHONE.....TEL  
TELEPHONE MANHOLE.....TMH  
TRANSFORMER.....TRAN  
TRANSMISSION LINE.....TR LN  
TRIAIAL CABLE (SERVICE).....TRIX  
VITRIFIED CLAY PIPE.....VCP  
WATER MAIN.....WM  
WATER METER.....WMET  
WATER VALVE.....WV

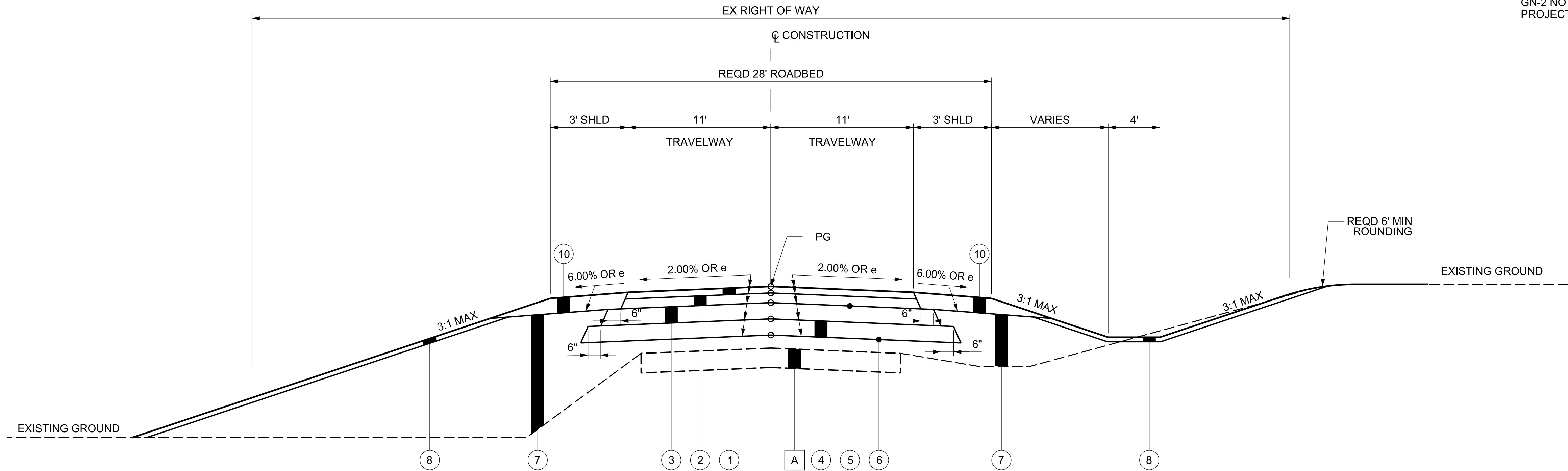
PROPERTY

DEED BOOK.....DB  
REAL PROPERTY BOOK.....RP  
PLAT BOOK.....PB  
MAP BOOK.....MB  
PAGE.....PG  
OFFICIAL RECORD.....OR  
CAPPED (TYPICAL PLASTIC SURVEYORS CAP)...CAP  
ALUMINUM CAP.....ALUM CAP  
BRASS CAP.....BR CAP  
IRON PIPE.....IP  
CRIMPED.....CR  
REINFORCING STEEL.....REBAR  
CONCRETE MONUMENT.....CM  
DAMAGED.....DAM  
CHISELED X.....CH"X"  
HUB AND TACK.....H&T  
NAIL AND BOTTLE TOP.....N&BT  
PARKER-KALON (MASONARY NAILS).....PK NAIL  
FENCE POST.....F-POST  
RAILROAD IRON.....RR IRON  
COTTON SPINDLE.....COT SP  
ANGLE IRON.....ANGLE IRON



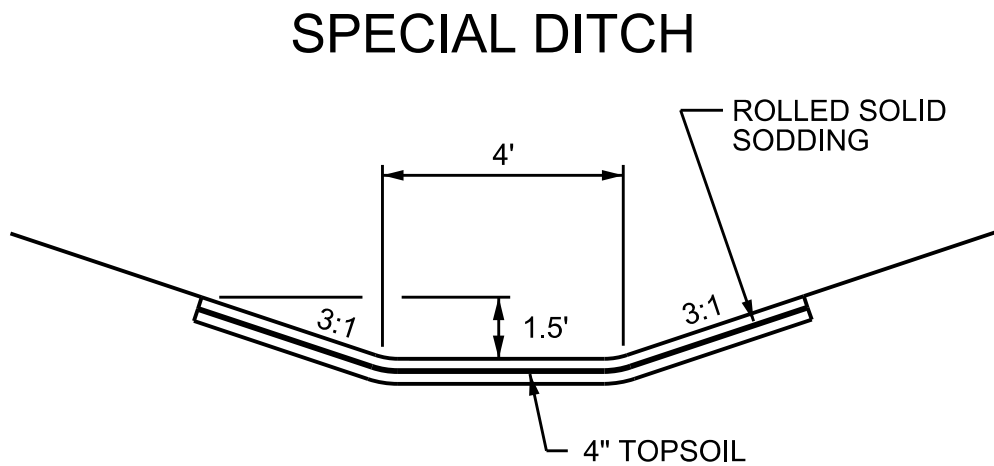
TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	2



GN-2 NOTES: 116  
PROJECT NOTES: 200

TYPICAL SECTION ( CR-61)  
STA 243+00.00 - STA 247+55.00  
STA 250+05.00 - STA 254+00.00



MATERIALS LEGEND:

- A

IN PLACE: ASPHALT ( REMOVE) ( APPROXIMATELY 4.5" THICK)
- B

IN PLACE: ASPHALT ( PARTIAL REMOVE) ( APPROXIMATELY 4.5" THICK)

- 1

REQD: ( 424A-360) SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 155 LB/SY)
- 2

REQD: ( 424B-651) SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 250 LB/SY)
- 3

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 25')
- 4

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 26')
- 5

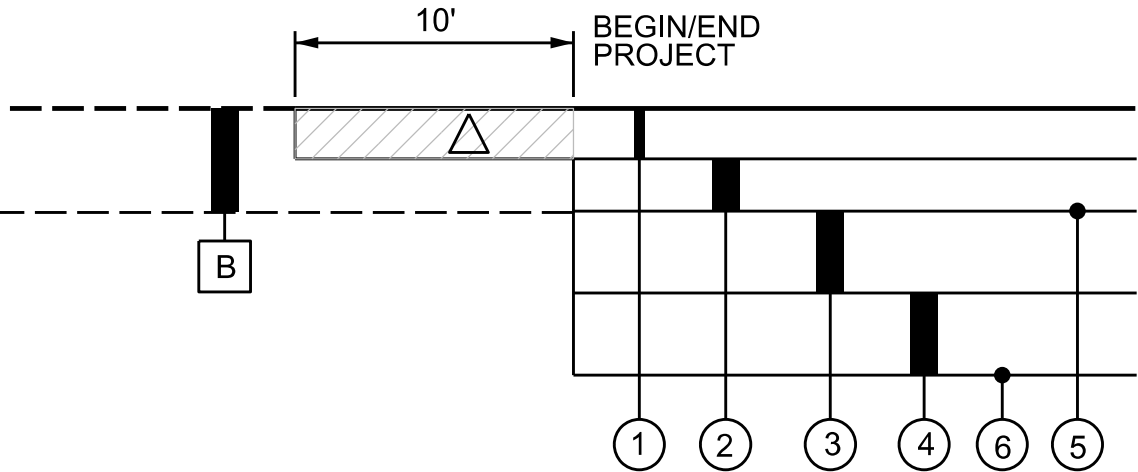
REQD: ( 401A-000) BITUMINOUS TREATMENT A ( WIDTH: 25')
- 6

REQD: ( 230A-000) ROADBED PROCESSING ( FULL WIDTH)
- 7

REQD: ( 210A-000) UNCLASSIFIED EXCAVATION OR ( 210D-011) BORROW EXCAVATION ( A-4 OR BETTER)
- 8

REQD: ( 650A-000) TOPSOIL ( APPROX. 4" THICK)
- 10

REQD: ( 305B-077) CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE ( APPROX. 4" THICK)



TYPICAL TIE-IN DETAIL AT BEGIN AND END OF PROJECT

△ NOTE: EXISTING PAVEMENT TO BE REMOVED TO OBTAIN FULL DEPTH FOR TRANSITION TIE-IN. THE COST OF REMOVAL & DISPOSAL SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 424A-360.

TYPICAL SECTIONS

REFERENCE  
PROJECT NO

FISCAL  
YEAR

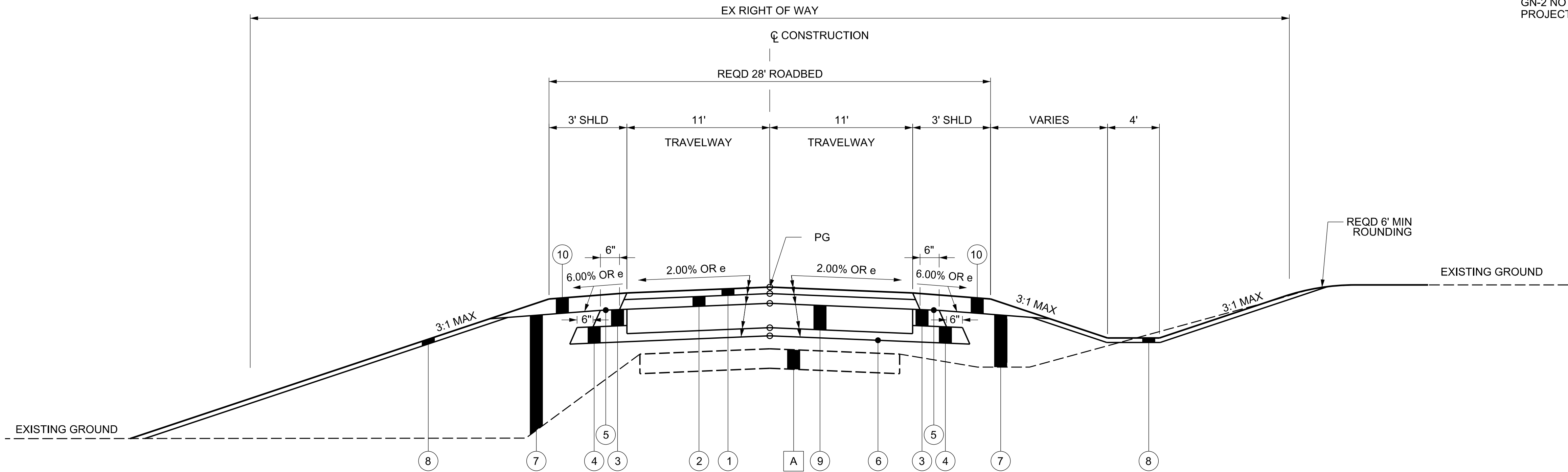
SHEET  
NO

SCP 59-904-19

2025

2A

GN-2 NOTES: 116  
PROJECT NOTES: 200



TYPICAL SECTION (CR-61) BRIDGE END SLAB

STA 247+55.00 - STA 247+75.00

STA 249+85.00 - STA 250+05.00

(REQD BRIDGE STA 247+75.00 - STA 249+85.00)

MATERIALS LEGEND:

A

IN PLACE: ASPHALT ( REMOVE) ( APPROXIMATELY 4.5" THICK)

1

REQD: ( 424A-360) SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 155 LB/SY)

2

REQD: ( 424B-651) SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 250 LB/SY)

3

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 25')

4

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 26')

5

REQD: ( 401A-000) BITUMINOUS TREATMENT A ( WIDTH: 25')

7

REQD: ( 210A-000) UNCLASSIFIED EXCAVATION OR ( 210D-011) BORROW EXCAVATION ( A-4 OR BETTER)

8

REQD: ( 650A-000) TOPSOIL ( APPROX. 4" THICK)

9

REQD: ( 450B-000) REINFORCED CEMENT CONCRETE BRIDGE END SLAB ( 9" THICK)

10

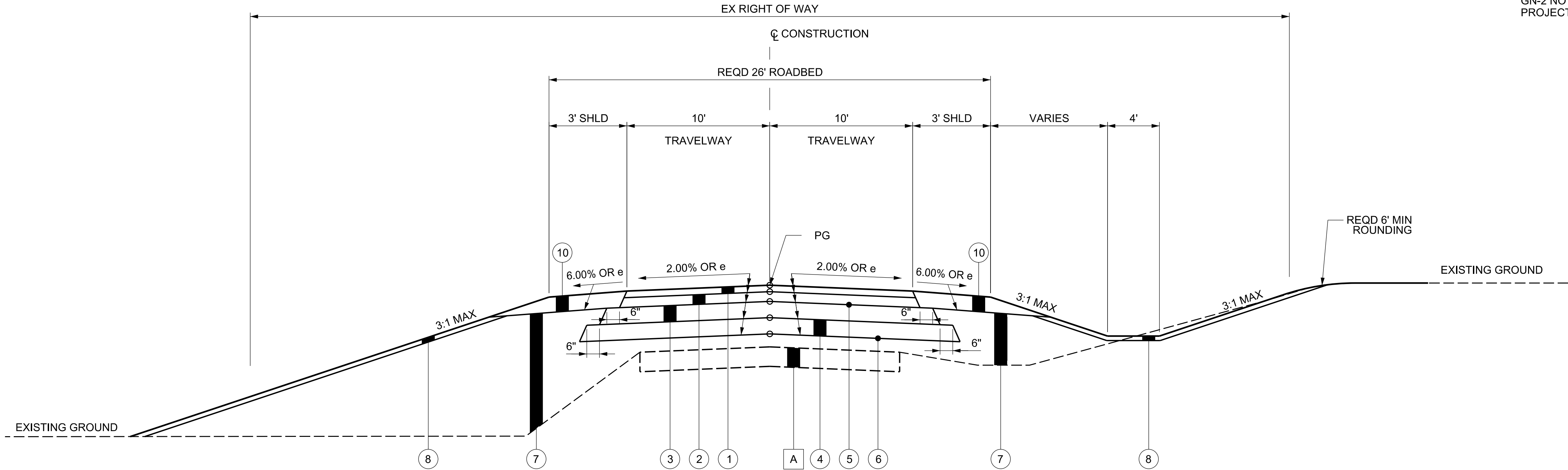
REQD: ( 305B-077) CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE ( APPROX. 4" THICK)



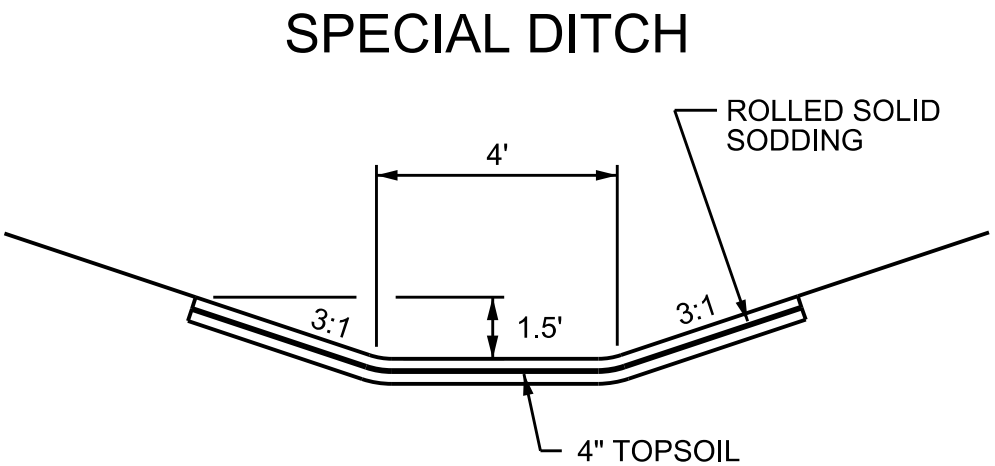
TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	2B

GN-2 NOTES: 116  
PROJECT NOTES: 200



TYPICAL SECTION ( CR-77)  
STA 8+50.00 - STA 8+89.00



MATERIALS LEGEND:

- A

IN PLACE: ASPHALT ( REMOVE) ( APPROXIMATELY 4.5" THICK)
- B

IN PLACE: ASPHALT ( PARTIAL REMOVE) ( APPROXIMATELY 4.5" THICK)

- 1

REQD: ( 424A-360) SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 155 LB/SY)
- 2

REQD: ( 424B-651) SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D ( APPROX. 250 LB/SY)
- 3

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 25')
- 4

REQD: ( 301A-012) CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS ( WIDTH: 26')
- 5

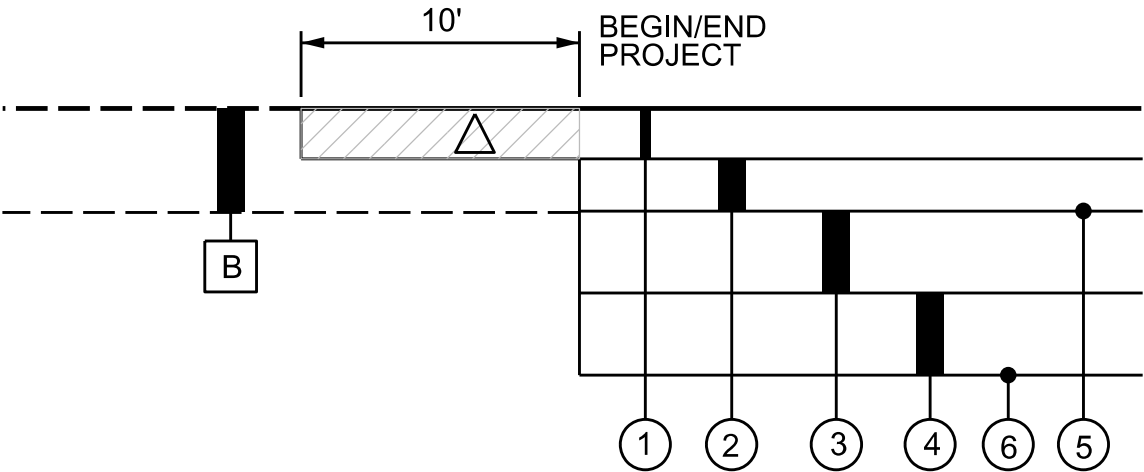
REQD: ( 401A-000) BITUMINOUS TREATMENT A ( WIDTH: 25')
- 6

REQD: ( 230A-000) ROADBED PROCESSING ( FULL WIDTH)
- 7

REQD: ( 210A-000) UNCLASSIFIED EXCAVATION OR ( 210D-011) BORROW EXCAVATION ( A-4 OR BETTER)
- 8

REQD: ( 650A-000) TOPSOIL ( APPROX. 4" THICK)
- 10

REQD: ( 305B-077) CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE ( APPROX. 4" THICK)



TYPICAL TIE-IN DETAIL AT BEGIN AND END OF PROJECT

△ NOTE: EXISTING PAVEMENT TO BE REMOVED TO OBTAIN FULL DEPTH FOR TRANSITION TIE-IN. THE COST OF REMOVAL & DISPOSAL SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 424A-360.

PROJECT NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	2C

NOTE NO.	NOTES
200	WHERE GUARDRAIL IS REQUIRED, SHOULDERS SHALL BE WIDENED ACCORDING TO APPLICABLE DRAWINGS.
201	FILL AT BRIDGE APPROACHES SHALL BE PLACED AND COMPACTED TO REQUIRED SUBGRADE ELEVATION. THE TOP 6" OF THE SUBGRADE BELOW THE BRIDGE END SLAB SHALL BE COMPACTED TO 100% DENSITY IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED IN AASHTO T-99. COST SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 210D-011.
300	ANY REQUIRED DRAINAGE SUMP EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH ITEM 665.03(b)7 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER ITEM 210A-000, UNCLASSIFIED EXCAVATION.
301	THE REMOVAL OF THE EXISTING SIGNS ASSOCIATED WITH THE EXISTING BRIDGE SHALL BE PAID FOR AS A SUBSIDIARY OBLIGATION OF PAY ITEM 206A-000, REMOVAL OF OLD BRIDGE.
302	ANY REFERENCE TO "ALDOT" SHOWN ON THE REQUIRED RIGHT-OF-WAY MARKERS AS DETAILED ON DRAWING M-602 SHALL BE CHANGED TO "SHELBY COUNTY". COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 602A-000, RIGHT OF WAY MARKERS.
303	OMIT
800	IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT. UTILITY LINE LOCATE REQUESTS WILL BE LIMITED TO INCREMENTS NOT TO EXCEED 2000 LINEAR FEET PER WORKING DAY OPERATION. MULTIPLE LOCATE REQUESTS WILL BE REQUIRED FOR PROJECTS GREATER THAN 2000 FEET IN LENGTH. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER, AT THE CONTRACTOR'S EXPENSE.
801	THE UTILITY CONTACTS FOR THE PROJECT ARE AS FOLLOWS:  ALABAMA POWER T&D 600 NORTH 18TH STREET BIN 12S-0782                      CALERA, AL 35040                      WILSONVILLE, AL 35186 BIRMINGHAM, AL 35203                      (205) 621-4498                      (205) 669-6821 (205) 257-4291 (DISTRIBUTION) (205) 257-4119 (TRANSMISSION)
900	SHELBY COUNTY WILL BE THE NPDES PERMITTEE FOR THIS PROJECT. A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE HAS BEEN FILED WITH ADEM.
901	THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY. IN ADDITION, NO FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZER, ETC. SHALL BE LEFT UNATTENDED ON THE RIGHT OF WAY.
902	OMIT
903	OMIT
904	BAT NOTE: TREES WITHIN THE PROJECT AREA MAY PROVIDE ROOSTING HABITAT FOR THE ENDANGERED NORTHERN LONG-EARED BAT, INDIANA BAT, AND TRICOLORED BAT SPECIES. ACTIVITIES THAT MAY DISTURB THIS HABITAT MUST BE PERFORMED BETWEEN OCTOBER 15 AND MARCH 31. IF SUCH ACTIVITIES CANNOT BE PERFORMED IN SAID TIME FRAME, THE CONTRACTOR SHALL PROCEED TO AN ACOUSTIC AND/OR MIST-NETTING SURVEY IN ACCORDANCE WITH CURRENT USFWS RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES, WHICH INCLUDE TRICOLORED BATS, AND PROVIDE AN ACCEPTABLE WORK PLAN APPROVED BY THE SHELBY COUNTY HIGHWAY DEPARTMENT. ANY COSTS ASSOCIATED WITH THE SURVEY,PLAN DEVELOPMENT, OR ALTERATIONS TO WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY. PLEASE CONTACT THE SHELBY COUNTY ENGINEER'S OFFICE AT 205-669-3880 FOR MORE INFORMATION.
905	BAT NOTE: BRIDGE AND BRIDGE CULVERT(BRIDGE VISUAL SURVEY)  - BRIDGES AND BRIDGE CULVERTS, WITHIN THE PROJECT AREA MAY PROVIDE ROOSTING HABITAT FOR THE ENDANGERED NORTHERN LONG-EARED BAT, INDIANA BAT, AND TRICOLORED BAT SPECIES. ACTIVITIES THAT MAY DISTURB THIS HABITAT MUST BE PERFORMED BETWEEN OCTOBER 15 AND MARCH 31. IF SUCH ACTIVITIES CANNOT BE PERFORMED IN SAID TIME FRAME, THE FOLLOWING CONSERVATION MEASURE SHALL BE IMPLEMENTED:  - VISUAL BRIDGE SURVEY SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT USFWS RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES, WHICH INCLUDE TRICOLORED BATS. ANY COSTS ASSOCIATED WITH THE SURVEY OR ALTERATIONS TO WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY. VISUAL BRIDGE SURVEYS MUST BE PERFORMED BY A BIOLOGIST APPROXIMATELY 1 WEEK PRIOR TO WORK THAT WILL DISTURB THE HABITAT. SURVEYS PERFORMED BETWEEN MAY 15 AND AUGUST 15 WILL BE VALID FOR 2 YEARS. PRIOR TO THE SURVEY, THE SHELBY COUNTY HIGHWAY DEPARTMENT SHALL BE NOTIFIED OF THE DATE THE SURVEY WILL BE PERFORMED. ALL SURVEYS SHALL BE SUBMITTED TO THE SHELBY COUNTY HIGHWAY DEPARTMENT FOR CONCURRENCE PRIOR TO COMMENCEMENT OF SAID ACTIVITIES. PLEASE CONTACT THE SHELBY COUNTY ENGINEER'S OFFICE AT 205-669-3880 FOR MORE INFORMATION.
906	TO AVOID ADVERSE EFFECT TO SPECIES PROTECTED UNDER THE MIGRATORY BIRD TREATY ACT, DEMOLITION OF THE EXISTING BRIDGES AND/OR BRIDGE CULVERTS SHALL TAKE PLACE OUTSIDE OF THE NESTING/FLEDGING SEASON (APRIL 1-JULY 31), OR THE CONTRACTOR SHALL IMPLEMENT CONSERVATION MEASURES. THESE CONSERVATION MEASURES SHALL INCLUDE VISUAL INSPECTION AND VERIFICATION IF THERE ARE ANY NESTS WITH EGGS ON OR UNDER THE STRUCTURE PRIOR TO DEMOLITION ACTIVITIES. IF NESTS ARE FOUND TO CONTAIN EGGS DURING THE NESTING/FLEDGING SEASON, THE NESTS SHALL NOT BE REMOVED UNTIL AFTER THE BIRDS HAVE FLEDGED AND LEFT THE NEST. VACANT NEST OR NEST UNDER DEVELOPMENT MAY BE REMOVED PRIOR TO INHABITANCE AND LAYING OF EGGS. DEMOLITION MAY ALSO TAKE PLACE AFTER FLEDGING WITHOUT NEST REMOVAL. VISUAL INSPECTION AND VERIFICATION BY THE CONTRACTOR SHALL BE ACCOMPANIED BY SHELBY COUNTY PERSONNEL. INSPECTION AND NEST REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY.
907	OMIT
908	APPROXIMATELY 0.10 ACRES OR LESS FALL WITHIN 396' MEAN SEA LEVEL CONTOUR WHICH THE ALABAMA POWER OWNS IN FEE SIMPLE. THE AREA WITHIN THE BOUNDARY SHOULD ONLY BE ENTERED FOR BRIDGE PIER REMOVAL AND DURING RIPRAP PLACEMENT ON ABUTMENT 1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A REMOVAL AND INSTALLATION PLAN REQUIRING NO ENTRY TO THE CREEK AND NO DEBRIS LEFT BEHIND.

# SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	3

BRIDGE	ROADWAY	TOTAL	ITEM NO	UNIT	DESCRIPTION	PROJECT NOTES
1	1	1	201A-002	LUMP SUM	CLEARING AND GRUBBING (MAXIMUM ALLOWABLE BID \$ 8,000)	301
		1	206A-000	LUMP SUM	REMOVAL OF OLD BRIDGE, STATION 247+86.00	
	50	50	206D-000	LINEAR FOOT	REMOVING PIPE	
	2648	2648	210A-000	CUBIC YARD	UNCLASSIFIED EXCAVATION	300
	6364	6364	210D-011	CUBIC YARD	BORROW EXCAVATION (A4 OR BETTER)	201
	182	182	214A-000	CUBIC YARD	STRUCTURE EXCAVATION	
	45	45	214B-001	CUBIC YARD	FOUNDATION BACKFILL, COMMERCIAL	
	11	11	230A-000	ROADBED STATION	ROADBED PROCESSING	
	5698	5698	301A-012	SQUARE YARD	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS	
	105	105	305B-077	TON	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE	
	2761	2761	401A-000	SQUARE YARD	BITUMINOUS TREATMENT A	
	259	259	405A-000	GALLON	TACK COAT	
	199	199	424A-340	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	
	324	324	424B-636	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	
	98	98	450B-000	SQUARE YARD	REINFORCED CEMENT CONCRETE BRIDGE END SLAB	
24400		24400	502A-001	POUND	STEEL REINFORCEMENT (GRADE 60)	
1		1	502B-000	LUMP SUM	STEEL REINFORCEMENT FOR BRIDGE SUPERSTRUCTURE, 247+75.00 APPROX 49,400 LBS	
20		20	505G-003	EACH	PILE POINTS (TYPE A, 12")	
311		311	505M-002	LINEAR FOOT	STEEL PILING FURNISHED AND DRIVEN (HP 12X53)	
46		46	506A-003	LINEAR FOOT	DRILLED SHAFT EXCAVATION, 5'-0" DIAMETER	
25		25	506B-005	LINEAR FOOT	SPECIAL DRILLED SHAFT EXCAVATION, 5'-0" DIAMETER	
71		71	506C-044	LINEAR FOOT	DRILLED SHAFT CONSTRUCTION, 5'-0" DIAMETER, CLASS DS1 CONCRETE	
71		71	506F-006	LINEAR FOOT	PERMANENT DRILLED SHAFT CASING, 5'-0" DIAMETER	
2		2	506G-004	EACH	CROSSHOLE SONIC LOGGING, 5'-0" DIAMETER	
3270		3270	508A-000	POUND	STRUCTURAL STEEL	
81		81	510A-007	CUBIC YARD	BRIDGE SUBSTRUCTURE CONCRETE	
1		1	510C-051	LUMP SUM	BRIDGE CONCRETE SUPERSTRUCTURE, 247+75.00 APPROX 220 CY	
554		554	510E-000	SQUARE YARD	GROOVING CONCRETE BRIDGE DECKS	
16		16	511A-053	EACH	ELASTOMERIC BEARING TYPE 2 (MARK B4)	
826		826	513B-015	LINEAR FOOT	PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE BT-54 (SPECIALTY ITEM)	
	115	115	530A-006	LINEAR FOOT	48" ROADWAY PIPE (CLASS 3 R.C.)	
	1	1	600A-000	LUMP SUM	MOBILIZATION	302
	12	12	602A-000	EACH	RIGHT OF WAY MARKERS	
	2016	2016	610C-001	TON	LOOSE RIPRAP, CLASS 2	
	1299	1299	610D-003	SQUARE YARD	FILTER BLANKET, GEOTEXTILE	
	2	2	619A-007	EACH	48" ROADWAY PIPE END TREATMENT, CLASS 1	
	50	50	630A-001	LINEAR FOOT	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2	
	4	4	630C-079	EACH	GUARDRAIL END ANCHOR, TYPE 13 (MASH)	
	4	4	630C-080	EACH	GUARDRAIL END ANCHOR, TYPE 20 SERIES (MASH)	
	175	175	637A-001	LINEAR FOOT	FENCE RESET (INCLUDES ALL TYPES)	
	575	575	650B-000	CUBIC YARD	TOPSOIL FROM STOCKPILES	
	1	1	652A-100	ACRE	SEEDING	
	250	250	654A-001	SQUARE YARD	SOLID SODDING (BERMUDA)	
	1	1	656A-010	ACRE	MULCHING	
	1	1	665A-000	ACRE	TEMPORARY SEEDING	
	3	3	665B-001	TON	TEMPORARY MULCHING	
	20	20	665I-000	TON	TEMPORARY RIPRAP, CLASS 2	
	2000	2000	665J-002	LINEAR FOOT	SILT FENCE	
	2000	2000	665O-001	LINEAR FOOT	SILT FENCE REMOVAL	
	60	60	665Q-002	LINEAR FOOT	WATTLE	
	1	1	680A-001	LUMP SUM	GEOMETRIC CONTROLS	
	1	1	698A-000	LUMP SUM	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO \$12,000)	
	2114	2114	701G-083	LINEAR FOOT	SOLID WHITE, CLASS 2T, TYPE A TRAFFIC STRIPE (5" WIDE)	
	2114	2114	701G-089	LINEAR FOOT	SOLID YELLOW, CLASS 2T, TYPE A TRAFFIC STRIPE (5" WIDE)	
	420	420	701G-144	LINEAR FOOT	SOLID WHITE, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	
	420	420	701G-152	LINEAR FOOT	SOLID YELLOW, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	
	50	50	703A-002	SQUARE FOOT	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	
	32	32	705A-037	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	
	341	341	740B-000	SQUARE FOOT	CONSTRUCTION SIGNS	
	10	10	740F-002	EACH	BARRICADES, TYPE III	





# SUMMARY OF QUANTITIES - BOX SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	3A

REQD REMOVAL OF OLD BRIDGE				
LOCATION	LENGTH	WIDTH	206A-000 REMOVAL OF OLD BRIDGE	REMARKS
CR-61	(FT)	(FT)	(LUMP SUM)	
247+86.00 TO 249+56.00	170	23	1	REINFORCED CONCRETE DECK GIRDERS SUPPORTED BY STEEL PILE CONCRETE SLOPE PAVED SPILL THRU ABUTMENTS AND STEEL PILE INTERIOR SUPPORTS

REQD REMOVING PIPE			
LOCATION	SIDE	206D-000 REMOVING PIPE	REMARKS
CR-77		(LIN FT)	
9+51.00	RT	50	51"x31" RCEP
TOTAL		50	

REQD FENCE RESET (INCLUDES ALL TYPES)			
LOCATION	SIDE	637A-001 FENCE RESET (INCLUDES ALL TYPES)	DRAWING
CR-61		(LIN FT)	
243+85.00 TO 245+60.00	RT	175	T
TOTAL		175	

DRAWING LEGEND	
A	GA-630-13
B	GA-630-20 (3 SHEETS)
C	GR-630-S (3 SHEETS)
D	GR-630-FD (2 SHEETS)
E	SHEET 4
F	M-602
G	ESC-100 (2 SHEETS)
H	ESC-200 (5 SHEETS)
I	ESC-300 (8 SHEETS)
J	ESC-400 (5 SHEETS)
K	ESC-501
L	ESC-502
M	ESC-503
N	ESC-504
O	ESC-505
P	ESC-506 (2 SHEETS)
Q	ESC-507
R	ESC-508
S	OMIT
T	F-636
U	RR-610
V	BES-450(IJ)BP
W	CPJ-450 (2 SHEETS)
X	PM-705-1
Y	PM-705-2
Z	PS-701-6
AA	RPC-530 (3 SHEETS)
BB	HW-614-B (2 SHEETS)

REQD RIPRAP AND FILTER BLANKET				
LOCATION	SIDE	610C-001 LOOSE RIPRAP CLASS 2 (TON)	610D-003 FILTER BLANKET GEOTEXTILE (SQ YD)	DRAWING
CR-61				
247+55.00 TO 248+00.00	LT/RT	484	294	E,U
249+50.00 TO 250+05.00	LT/RT	997	572	E,U
TOTAL		1481	866	

REQD DRAINAGE SUMMARY									
INDEX NO.	DRAINAGE SHEET NUMBER	STATION	530A-006 48" ROADWAY PIPE (CLASS 3 R.C.)	619A-007 48" RDWY. PIPE END TREATMENT, CLASS 1 (EACH)	214A-000 STRUCT. EXCAVATION (CU YD)	214B-001 FOUNDATION BACKFILL (CU YD)	610C-001 LOOSE RIPRAP CLASS 2 (TON)	610D-003 FILTER BLANKET GEOTEXTILE (SQ YD)	DRAWING
		CR-77	(LIN FT)						
1-2	17	9+40.50	115	2	182	45	85	67	AA,BB
TOTAL			115	2	182	45	85	67	

REQD BRIDGE END SLAB		
LOCATION	450B-000 REINFORCED CONCRETE BRIDGE END SLAB (SQ YD)	DRAWING
CR-61		
247+55.00 TO 247+75.00	49	V,W
249+85.00 TO 250+05.00	49	V,W
TOTAL	98	

REQD GUARDRAIL, END ANCHORS, & SAFETY BARRIER					
LOCATION	SIDE	630A-001 STEEL BEAM GUARDRAIL, CLASS A, TYPE 2 (LIN FT)	630C-079 GUARDRAIL END ANCHOR, TYPE 13 (MASH) (EACH)	630C-080 GUARDRAIL END ANCHOR, TYPE 20 SERIES (MASH) (EACH)	DRAWING
CR-61					
246+75.50 TO 247+63.00	LT	12.5	1	1	A,B,C,D
246+75.50 TO 247+63.00	RT	12.5	1	1	A,B,C,D
249+97.00 TO 250+84.50	LT	12.5	1	1	A,B,C,D
249+97.00 TO 250+84.50	RT	12.5	1	1	A,B,C,D
TOTAL		50	4	4	

REQD ROW MARKERS				
LOCATION	SIDE	OFFSET	602A-000 RIGHT OF WAY MARKERS (EACH)	DRAWING
CR-61		(FT)		
243+50.00	RT	TIE TO PRESENT	1	F
244+00.00	RT	60	1	F
245+07.50	RT	TIE TO PRESENT	1	F
247+00.00	LT	TIE TO PRESENT	1	F
247+31.11	RT	TIE TO PRESENT	1	F
247+50.00	LT	80	1	F
250+84.18	LT	80	1	F
251+50.00	LT	80	1	F
251+63.33	RT	TIE TO PRESENT	1	F
252+50.00	LT	TIE TO PRESENT	1	F
253+50.00	RT	60	1	F
254+00.00	RT	TIE TO PRESENT	1	F
TOTAL			12	

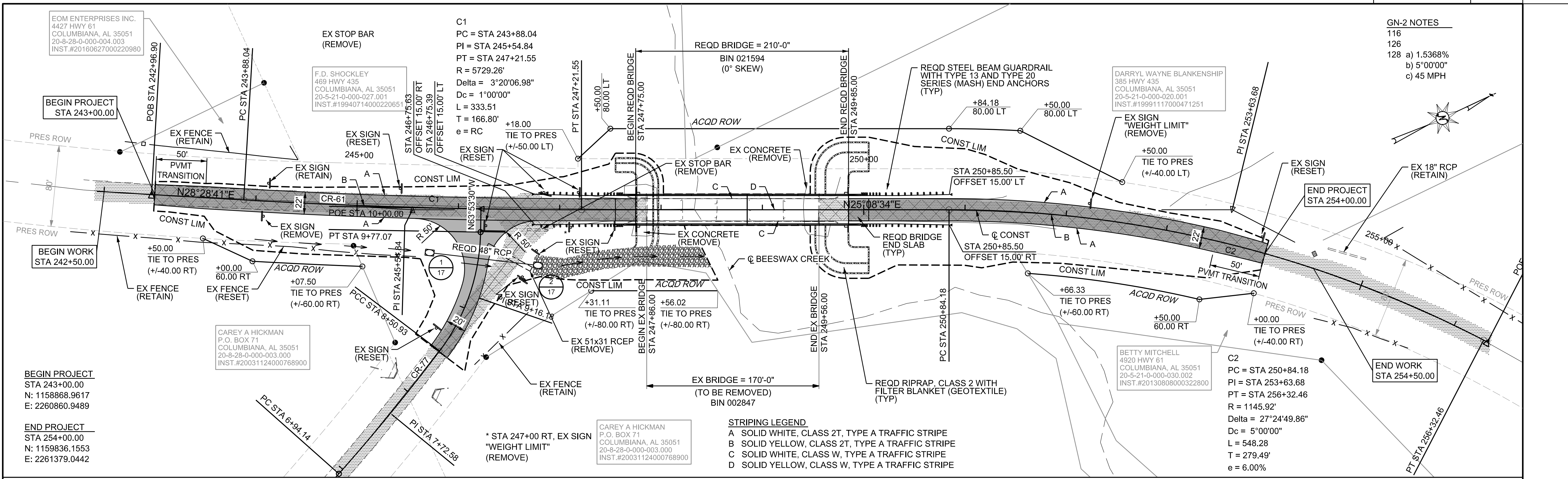
REQD STRIPING AND PAVEMENT MARKERS							
LOCATION	701G-083 SOLID WHITE, CL 2T, TYPE A TRAFFIC STRIPE (5" WIDE) (LIN FT)	701G-089 SOLID YELLOW, CL 2T, TYPE A TRAFFIC STRIPE (5" WIDE) (LIN FT)	701G-144 SOLID WHITE, CL W, TYPE A TRAFFIC STRIPE (5" WIDE) (LIN FT)	701G-152 SOLID YELLOW, CL W, TYPE A TRAFFIC STRIPE (5" WIDE) (LIN FT)	703A-002 TRAFFIC CONTROL MARKINGS, CL 2, TYPE A (SQ FT)	705A-037 PAVEMENT MARKERS CLASS A-H, TYPE 2-D (EACH)	DRAWING
CR-61							
243+00.00 TO 254+00.00	1780	1780	420	420		28	X,Y,Z
TOTAL	2114	2114	420	420	50	32	

REQD DITCH LINING				
LOCATION	SIDE	610C-001 LOOSE RIPRAP CLASS 2 (TON)	610D-003 FILTER BLANKET GEOTEXTILE (SQ YD)	654A-001 SOLID SODDING BERMUDA (SQ YD)
CR-61				
244+00 TO 245+70	RT			250
247+05 TO 247+75	RT	450	350	
TOTAL		450	350	250

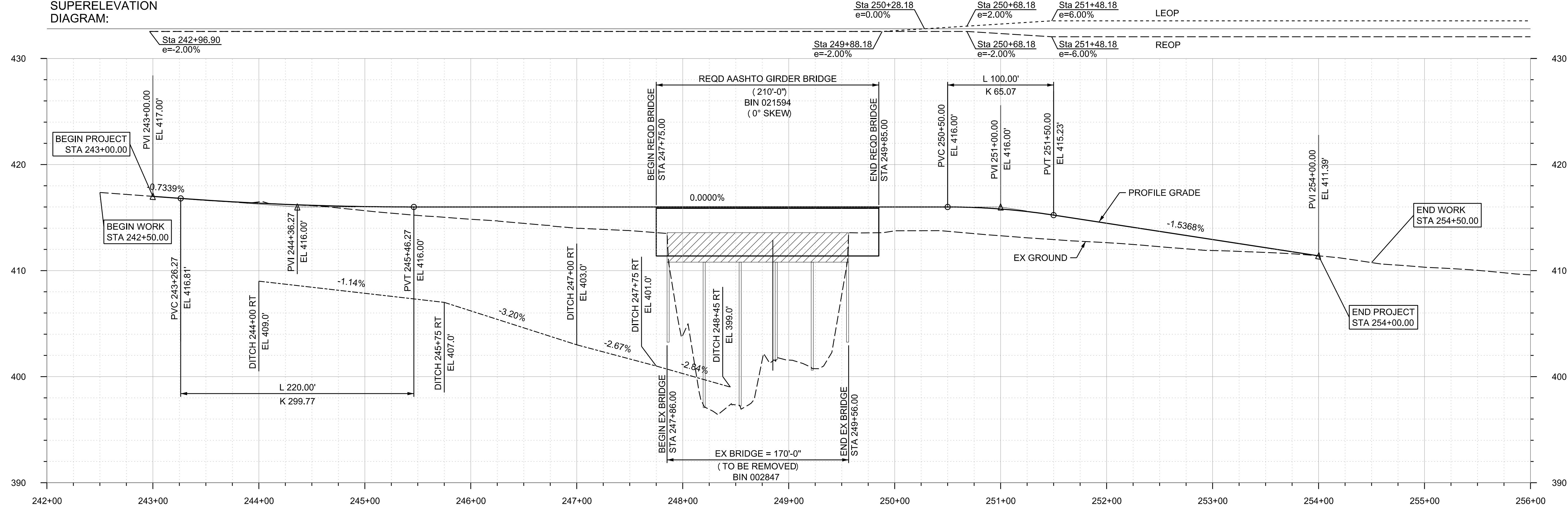
REQD EROSION AND SEDIMENT CONTROL ITEMS												
LOCATION	SIDE	210A-000 DRAINAGE SUMP. EXC. (CY)	610D-003 FILTER BLANKET GEOTEXTILE (SQ YD)	652A-100 SEEDING (ACRE)	656A-010 MULCHING (ACRE)	665A-000 TEMP SEEDING (ACRES)	665B-001 TEMP MULCHING (TON)	665I-000 TEMPORARY RIPRAP, CLASS 2 (TON)	665J-002 SILT FENCE TYPE A (LIN FT)	665O-001 SILT FENCE REMOVAL (LIN FT)	665Q-002 WATTLE (LIN FT)	DRAWINGS
CR-61												
243+00 TO 248+00	LT/RT	20	16	0.45	0.45	0.45	1.35	20	780	780	60	G,H,I,J,K,L,M,N,O,P,Q,R
249+50 TO 254+00	LT/RT			0.45	0.45	0.45	1.35		1050	1050		G,H,I,J,K,L,M,N,O,P,Q,R
TOTAL		20	16	1	1	1	3	20	2000	2000	60	

# PLAN & PROFILE SHEET

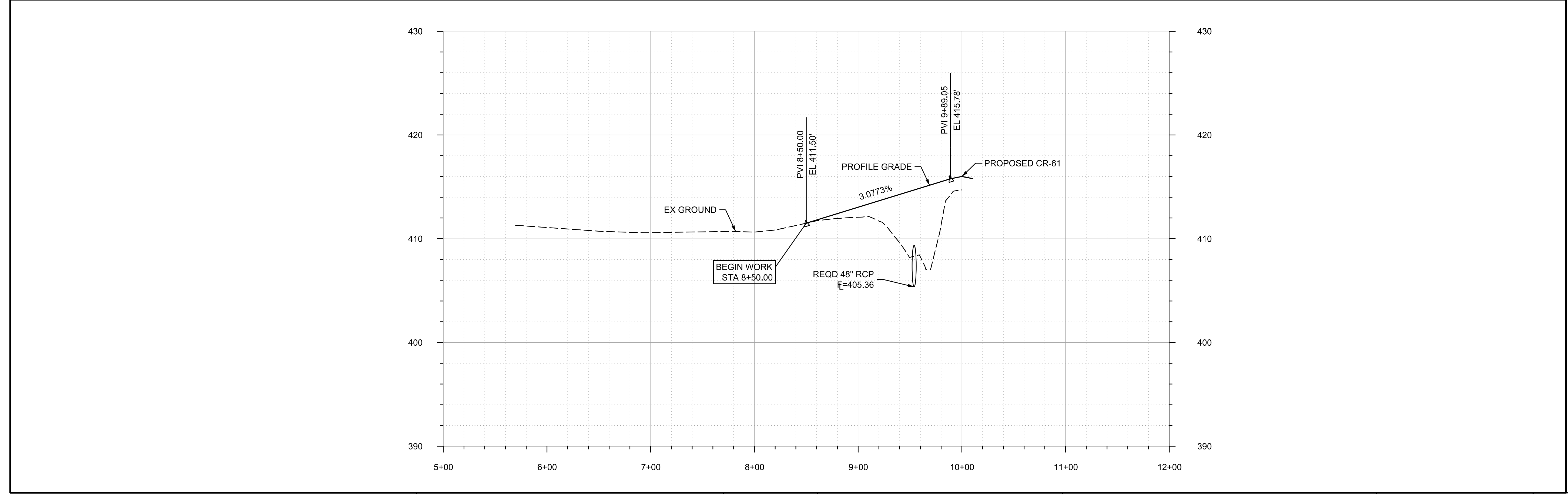
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SCP 59-904-19	2025	4



SUPERELEVATION  
DIAGRAM:



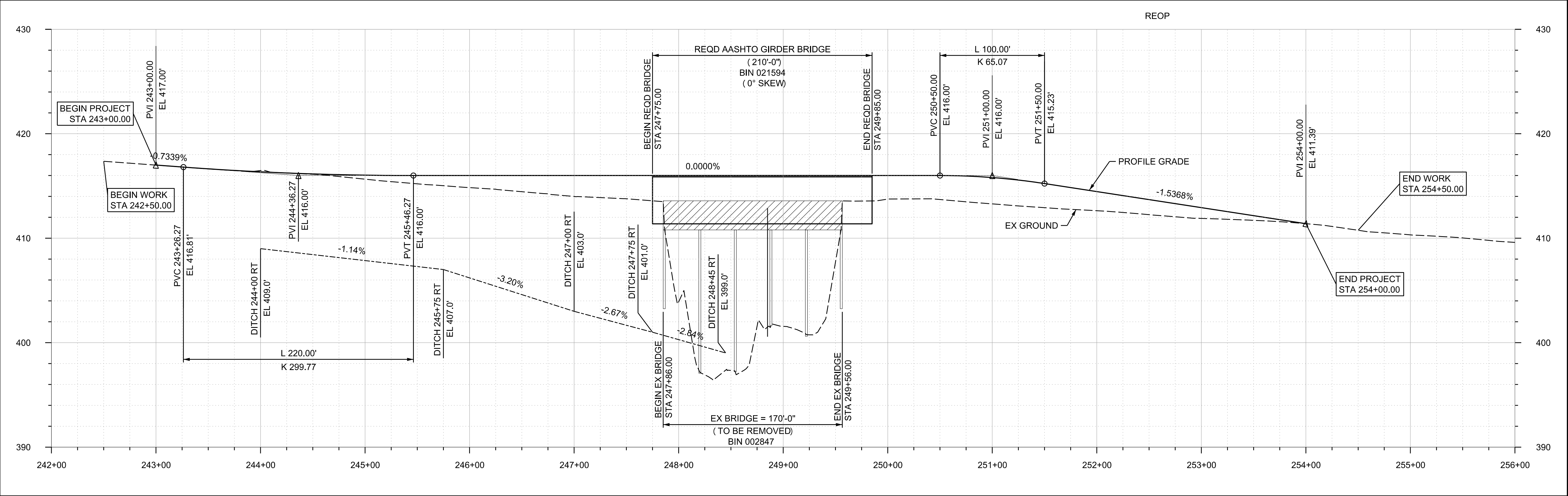
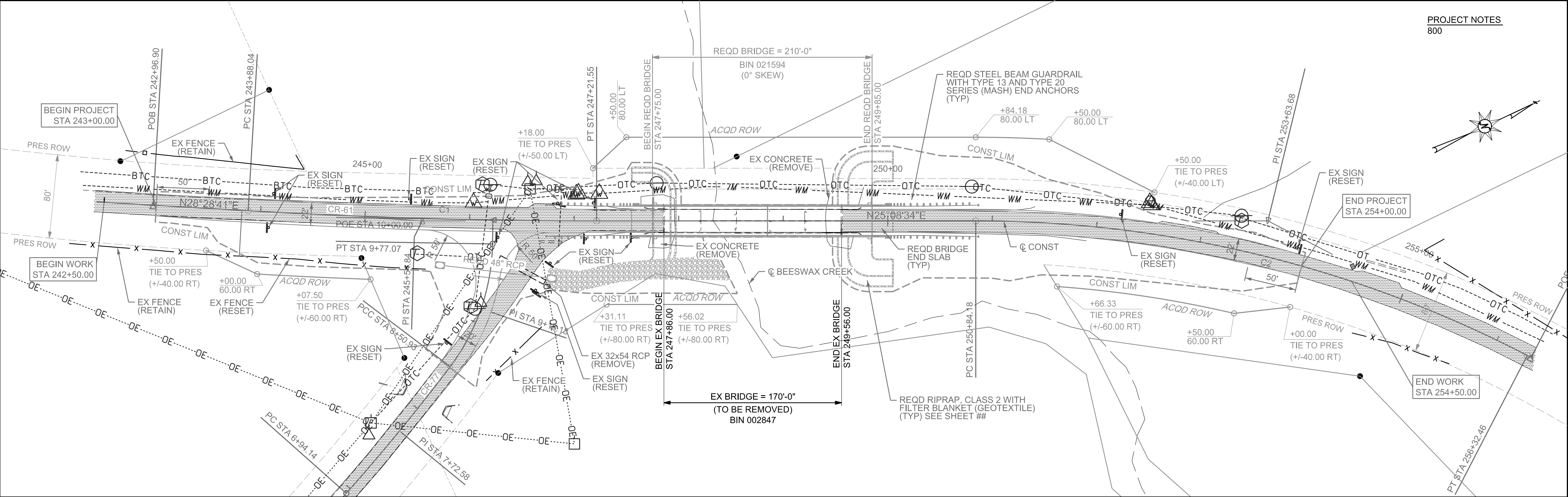
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SCP 59-904-19	2025	4A







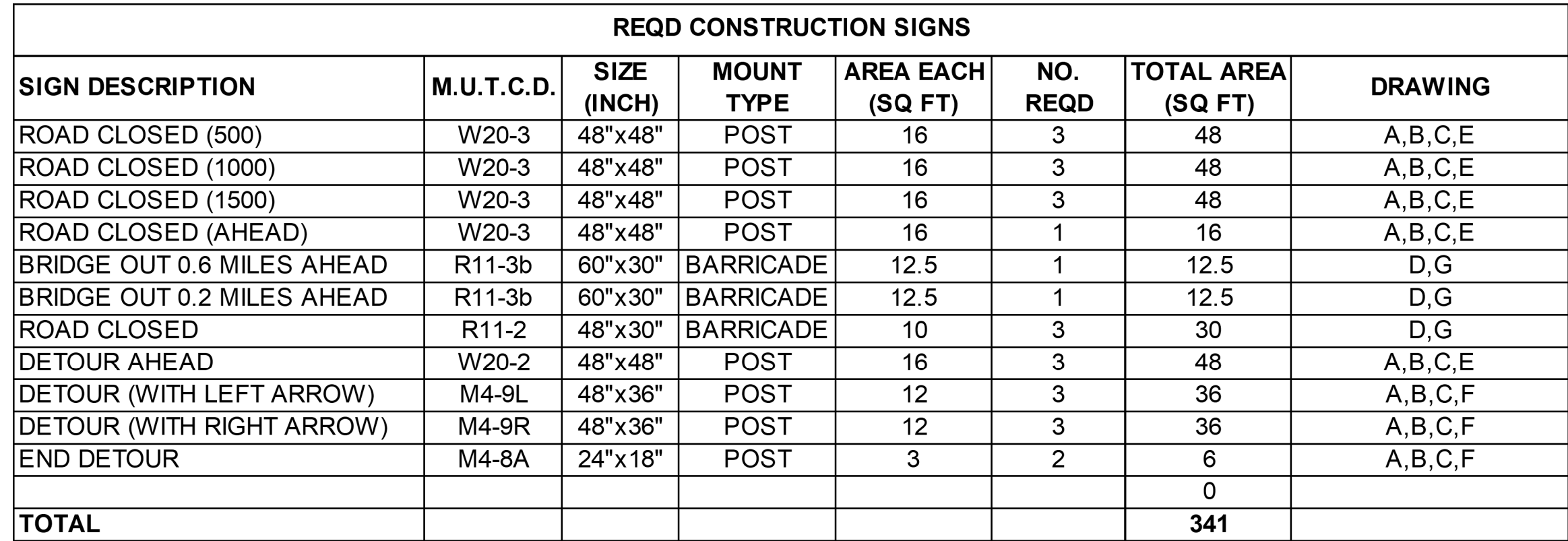
UTILITY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	6



GENERAL TRAFFIC CONTROL PLAN NOTES						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
						SCP 59-904-19	2025	8
○ DENOTES NOTES THAT APPLY TO THIS PROJECT								
700	THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.	719	RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.	748	R16-3 (WHEN WORKERS ARE PRESENT SPEEDING FINES DOUBLED) AND R16-3a (END DOUBLED FINES) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THESE SIGNS SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT WITH AN R2-1 (REGULATORY SPEED SIGN) ALWAYS FOLLOWING THE R16-3 SIGN. ADDITIONAL R16-3 AND R2-1 SIGNS SHALL BE POSTED AT MAXIMUM INTERVALS OF THREE MILES THROUGHOUT THE PROJECT LIMITS.			
701	ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.	720	ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.	749	WHEN A CONSTRUCTION WORK ZONE SPEED LIMIT REDUCTION IS NOT REQUIRED AT THE END OF THE WORK DAY, THE CONTRACTOR SHALL COVER OR REMOVE THE REDUCED R2-1 (REGULATORY SPEED SIGNS) AND THE W3-5b (REDUCED SPEED AHEAD) SIGNS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.			
702	DURING NON-WORKING HOURS NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE PLACED IN AN AREA APPROVED BY THE ENGINEER AND DELINEATED BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL DEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET 11)	721	OMITTED	750	DURING REPLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END CANNOT BE REPLACED IN ONE DAY'S TIME.			
703	WHERE THE LOCATION OF A REQUIRED SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC. OR WHERE THE VISIBILITY OF A SIGN IS LIMITED TO THE TRAVELING PUBLIC, THE LOCATION SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER.	722	OMITTED	751	CONSTRUCTION SIGNS MOUNTED ON A SINGLE OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWING NOS. IHS-710-21 AND IHS-710-23.			
704	THE CONTRACTOR IS TO REMOVE, RELOCATE OR COVER DURING CONSTRUCTION AND THEN RESET OR UNCOVER UPON COMPLETION OF A PARTICULAR SECTION ANY CONFLICTING IN-PLACE ROADWAY SIGNS AND DELINEATORS, AS DIRECTED BY THE ENGINEER. SIGNS REQUIRING REMOVAL SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.	723	THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.	752	THE CONTRACTOR AND THE ENGINEER SHALL DISCUSS AND PLAN FOR THE HANDLING OF TRAFFIC FOR ALL HOLIDAYS BEFORE ANY WORK BEGINS. UNLESS OTHERWISE PRE-APPROVED BY THE REGION ENGINEER, THE FOLLOWING SHALL HOLD:  THE CONTRACTOR SHALL NOT HAVE A LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR ALDOT:  FOR CHRISTMAS AND NEW YEARS DAY: FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.  FOR NATIONAL MEMORIAL DAY AND LABOR DAY: FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.  FOR INDEPENDENCE DAY (THE 4TH OF JULY) FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.  FOR THANKSGIVING DAY: FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.  ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE ENGINEER.  THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.			
705	DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC, EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.	724	OMITTED					
706	OMITTED	725	ALL SIGNS SHALL BE POST-MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS, EXCEPT FOR THOSE SIGNS WHICH ARE MOUNTED ON BARRICADES. FOR REPEATED DAY OPERATIONS, SIGNS MAY BE MOUNTED ON TEMPORARY SUPPORTS AND REMOVED AT THE COMPLETION OF THE DAY'S OPERATION.					
707	THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.	726	W8 SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN 1 MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT ONE MILE INCREMENTS THEREAFTER, WITH THE EXCEPTION SPECIFIED IN NOTE 727.					
708	ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.	727	DURING THE WIDENING OR RESURFACING OF ANY ROADWAY CARRYING TRAFFIC, THE CONTRACTOR SHALL ADVISE THE MOTORISTS OF ANY EDGE OF PAVEMENT DROP-OFFS 3 INCHES OR GREATER BY PLACING SHOULDER DROP-OFF SIGNS EVERY 1/2 MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.					
709	THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.	728	A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.					
710	CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.	729	SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVERED WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.					
711	FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.	730	OMITTED					
712	FLAGGERS ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.	731	OMITTED					
713	FOR MOVING OPERATIONS, THE TRAFFIC CONES MAY BE DELETED IF THE FLAGGERS ARE IN SIGHT OF EACH OTHER, OR IF A PILOT CAR IS USED ON A TWO LANE ROADWAY.	732	CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.					
714	OMITTED	733	CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC, SHOULD BE SPACED AT 50 FOOT INTERVALS.					
715	ALL CONTRACTOR'S EMPLOYEES' PERSONAL VEHICLES, AND CONTRACTOR'S EQUIPMENT NOT IN OPERATION, SHALL BE PARKED A MINIMUM OF THIRTY (30) FEET FROM THE TRAVELED WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.	734	CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULD BE SPACED AT 50 FOOT INTERVALS.					
716	THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILED DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATED FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.	735	CHANNELIZING DRUMS PLACED ON PAVEMENT DURING WORKING HOURS SHALL BE SHIFTED TO THE EDGE OF SHOULDER DURING NON-WORKING HOURS AND DURING PEAK PERIODS.					
717	OMITTED	736	CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.					
718	REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULD BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVERED OR REMOVED, AS DIRECTED BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.	737	CHANNELIZING DEVICES SHALL EXTEND TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.					
		738	OMITTED					
		739	OMITTED					
		740	OMITTED					
		741	FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.					
		742	THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING EDGE OF PAVEMENT.					
		743	OMITTED					
		744	THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCD, PART 6, 2009 EDITION.					
		745	OMITTED					
		746	UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.					
		747	MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.					
<div><div><div>THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.</div><div><div>REVISIONS</div><div></div></div><div><div>DRAWN BY: _____ DATE DRAWN: 3/6/20</div><div><div><div>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</div><div>DESIGN BUREAU SPECIAL DRAWING</div><div>GENERAL TRAFFIC CONTROL PLAN NOTES</div></div></div><div><div>SPECIAL DRAWING NO. INDEX NO.</div><div>SPECIAL PROJECT DETAIL2000</div></div></div></div></div>								
<div><div><div>BKIBURK-KLEINPETER, INC. ENGINEERING • PLANNING • ENVIRONMENTAL</div><div>PLAN SUBMITTAL</div><div>FINAL</div></div><div><div>SHELBY COUNTY ALABAMA</div><div>NOT TO SCALE</div></div><div><div>SHEET TITLE</div><div>GENERAL TRAFFIC CONTROL PLAN NOTES</div></div><div><div>ROUTE</div><div>CR-61</div></div></div>								

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	9

[illegible]

## SEQUENCE OF CONSTRUCTION

- BKI** **BURK-KLEINPETER, INC.**  
ENGINEERING · PLANNING · ENVIRONMENTAL

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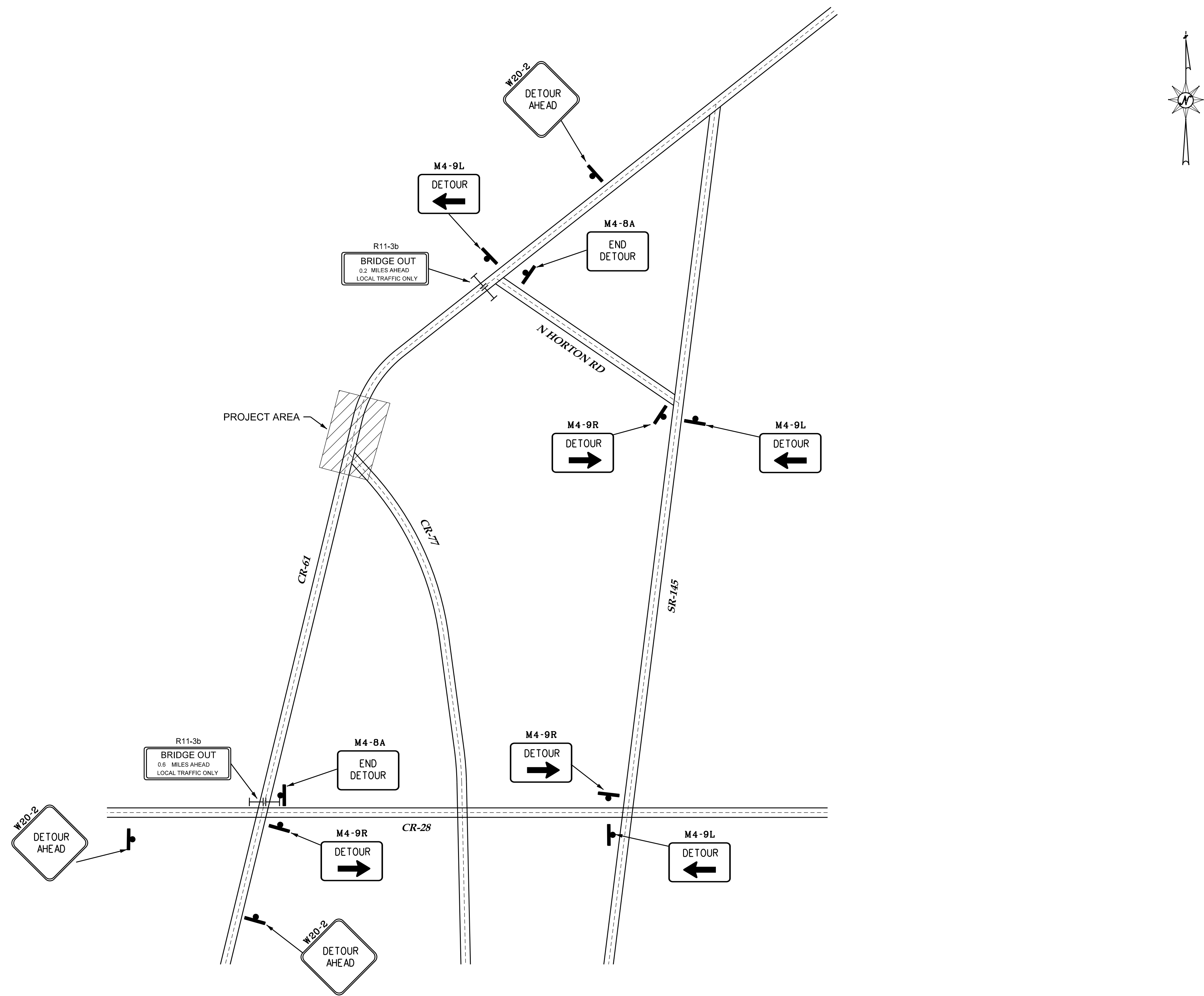
SHEET TITLE
TRAFFIC CONTROL PLAN

ROUTE  
CR-61



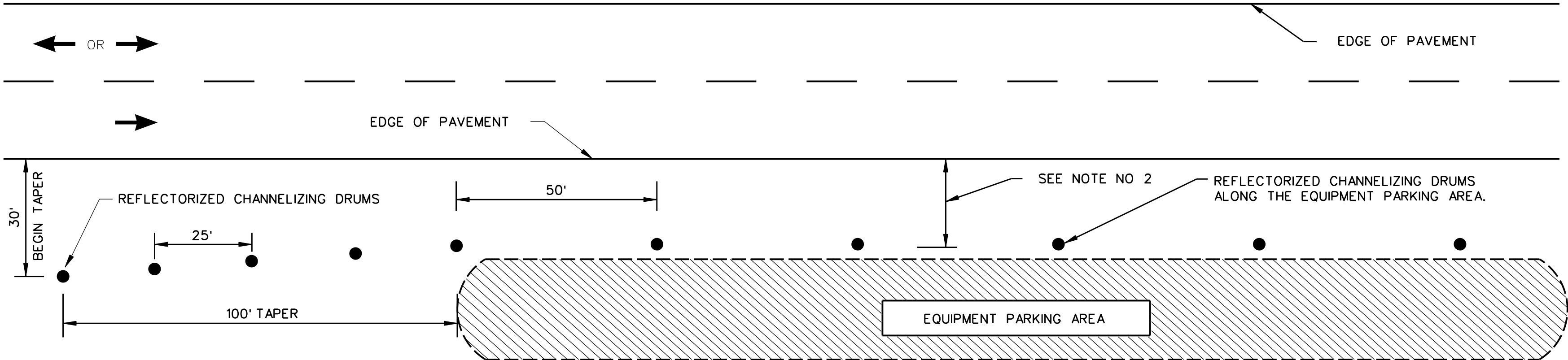
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REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	10



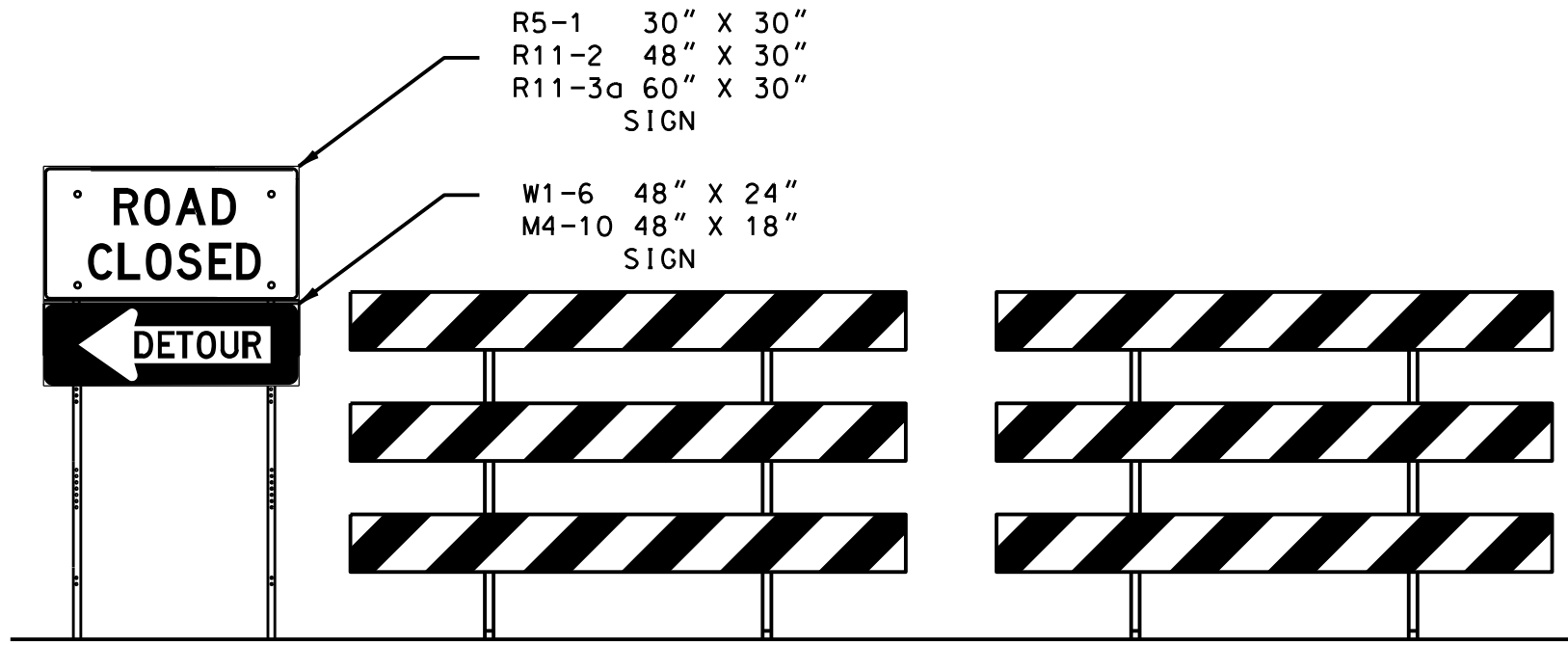
TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	11

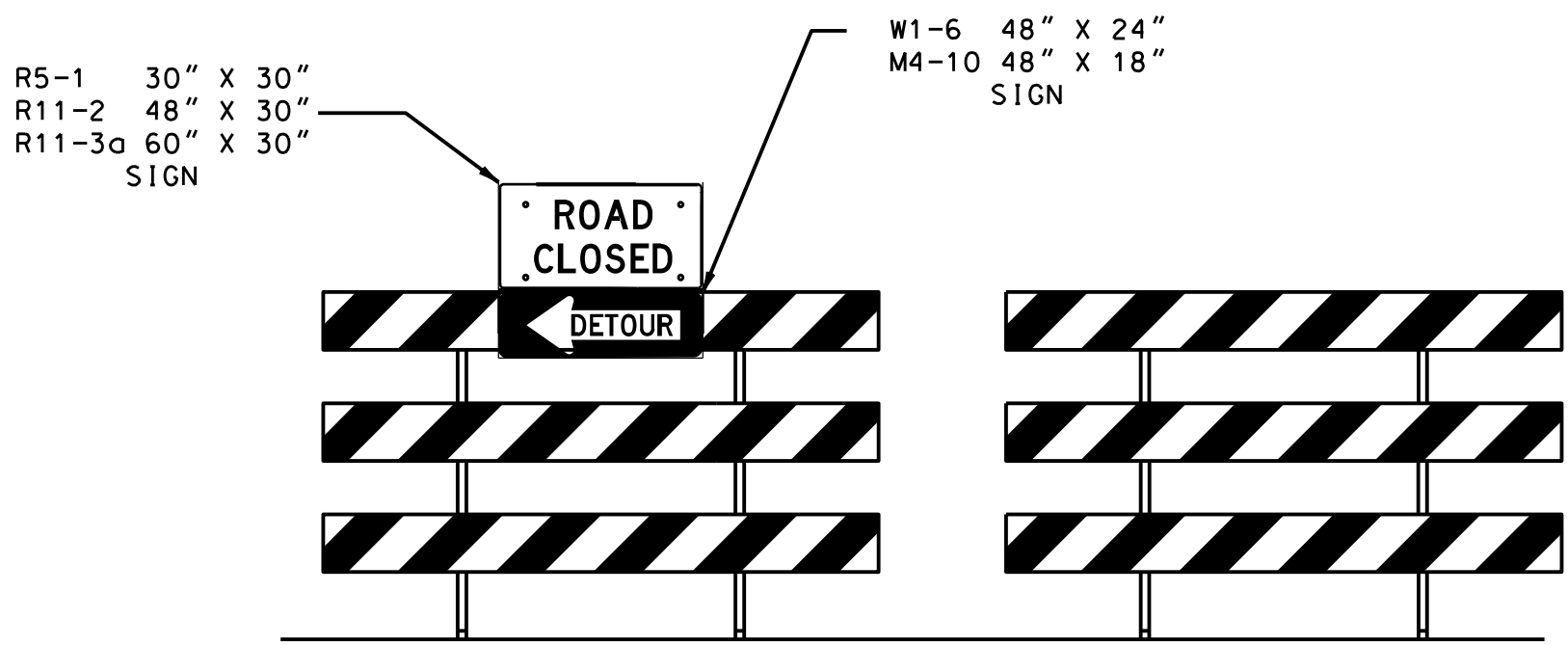


- NOTES:
- 1. SEE ALDOT'S GENERAL TRAFFIC CONTROL PLAN NOTE NO. 702.
  - 2. DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT, MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER.
  - 3. ALL DEVICES TO BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO THE ALDOT.

DELINEATING DETAIL FOR EQUIPMENT PARKING OR STORING AREA



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES INSIDE OF CLEAR ZONE



DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES OUTSIDE OF CLEAR ZONE

NOTES

- 1. SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.
- 2. IF SIGNS ARE REQUIRED TO BE USED IN CONJUNCTION WITH TYPE III BARRICADES TO BE PLACED INSIDE THE CLEAR ZONE, THEY SHALL BE POST MOUNTED TO THE SIDE OF THE BARRICADES AS SHOWN.
- 3. IF ROAD CLOSED OR DETOUR SIGNS ARE REQUIRED TO BE USED WITH TYPE III BARRICADES TO BE PLACED OUTSIDE THE CLEAR ZONE, THEY SHALL BE PLACED ON THE TOP OF THE BARRICADES NEAREST THE DETOUR.

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ALABAMA DEPARTMENT OF TRANSPORTATION

1409 COLISEUM BOULEVARD  
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

STANDARD DETAILS FOR  
TRAFFIC CONTROL PLANS

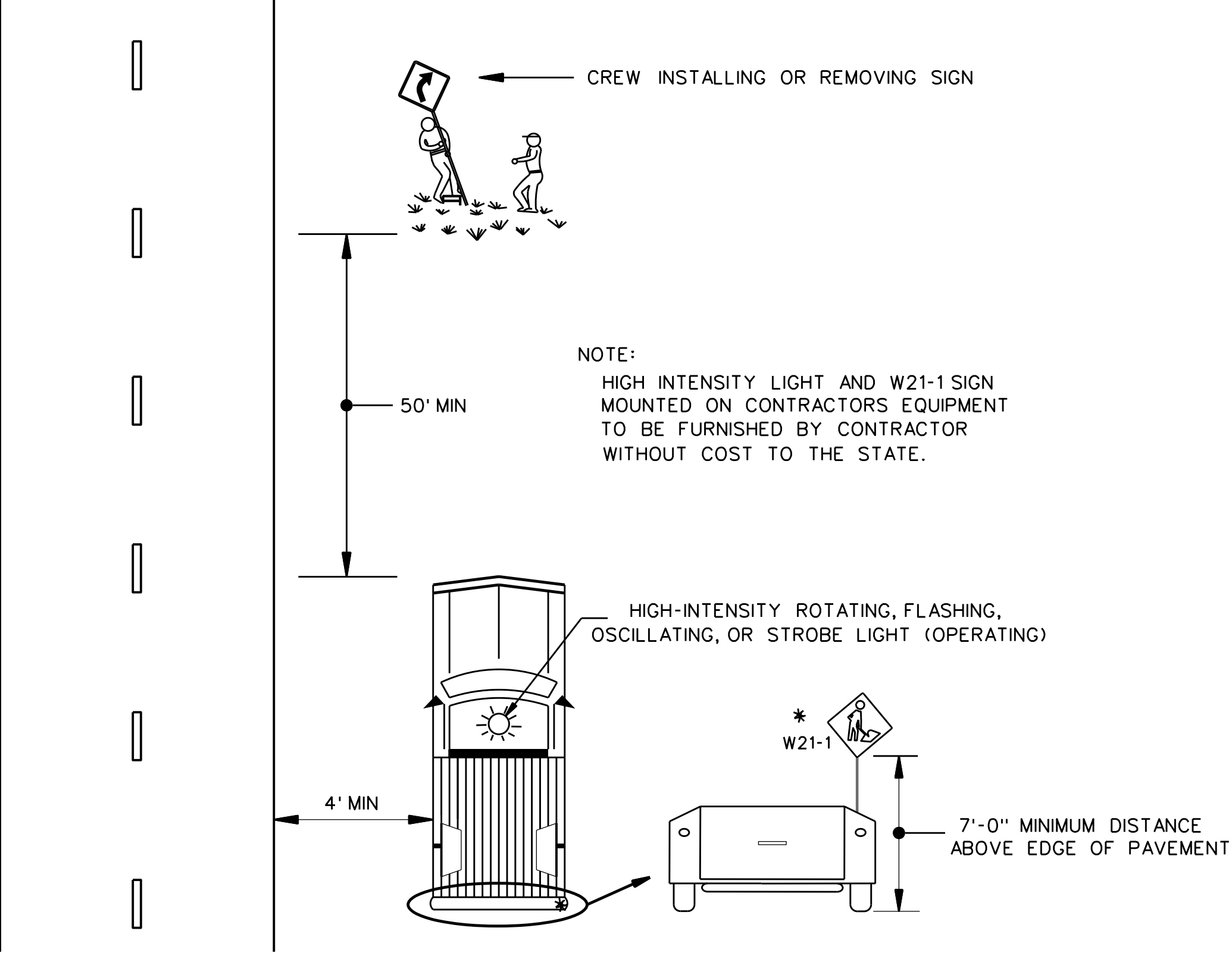
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SPECIAL DRAWING NO. \_\_\_\_\_  
SPECIAL PROJECT DETAIL

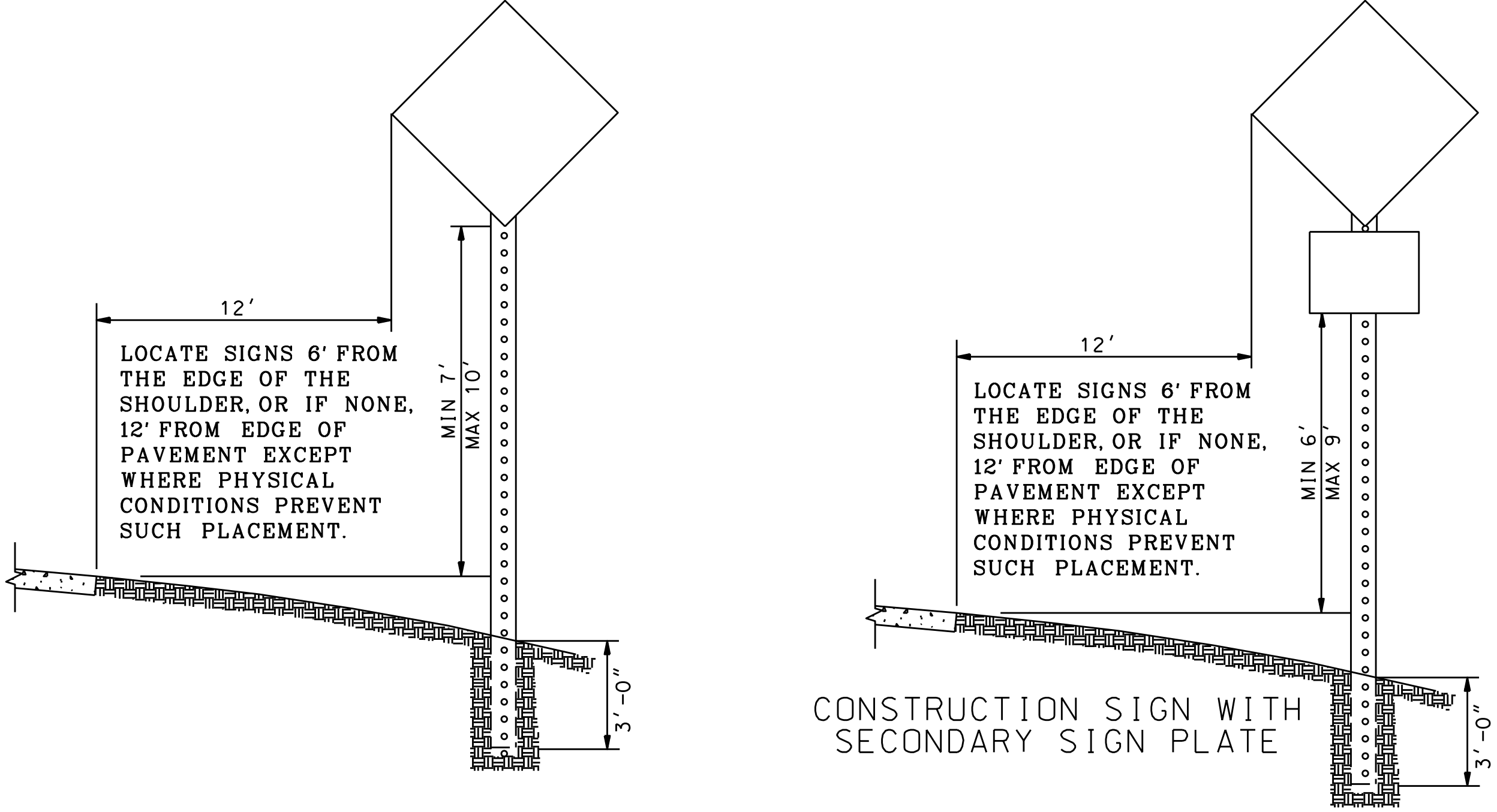
INDEX NO. \_\_\_\_\_  
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TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	12

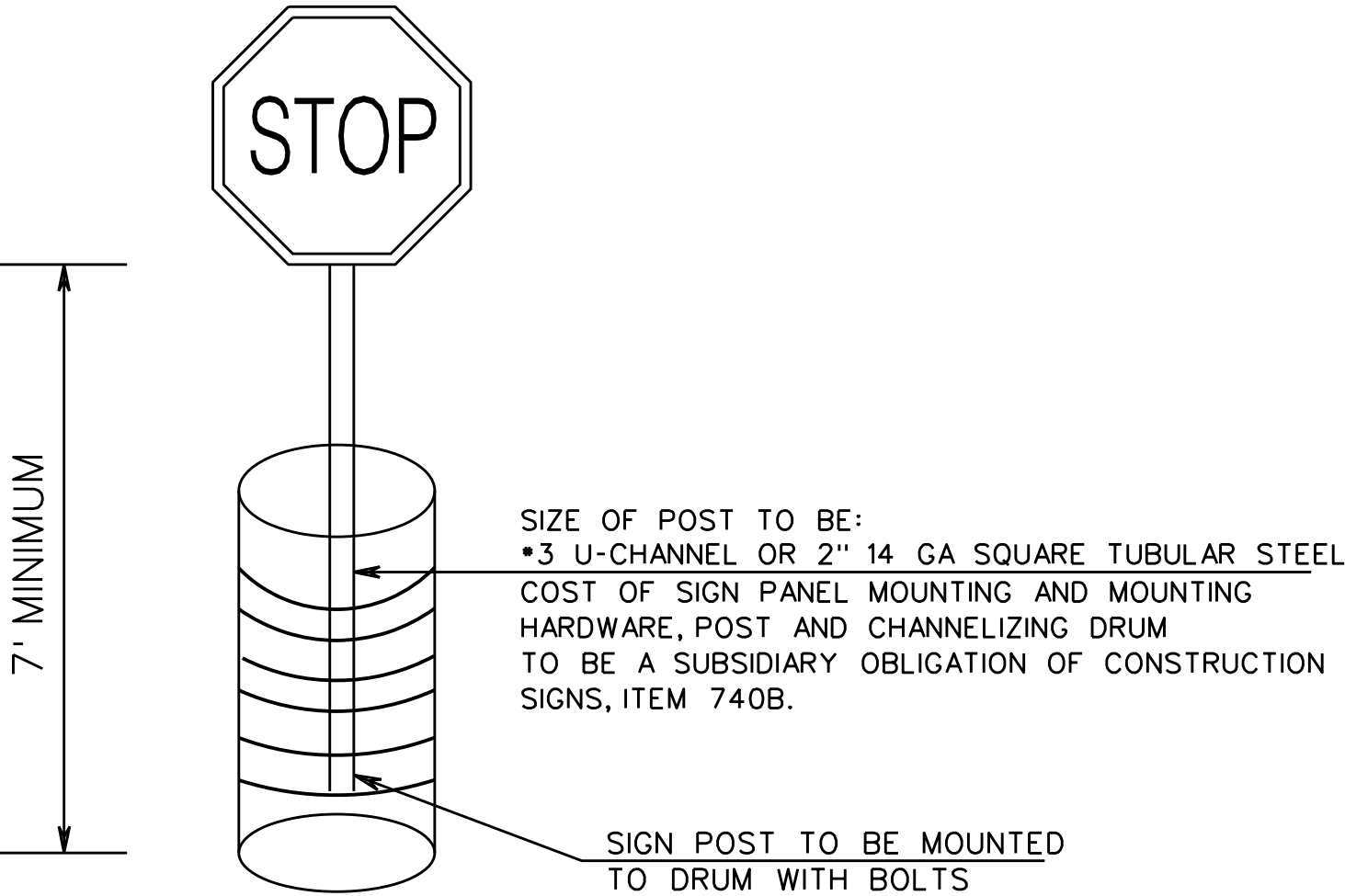


TYPICAL METHOD FOR INSTALLING OR  
REMOVING CONSTRUCTION SIGNS



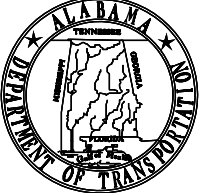
NOTE : IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED  
CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

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ALABAMA DEPARTMENT OF TRANSPORTATION

1409 COLISEUM BOULEVARD  
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING  
STANDARD DETAILS  
FOR TRAFFIC CONTROL PLANS

DRAWN BY: \_\_\_\_\_  
DATE DRAWN: 06/12/2019

SPECIAL PROJECT DETAIL

INDEX NO  
2001A

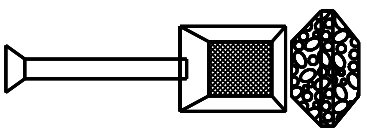
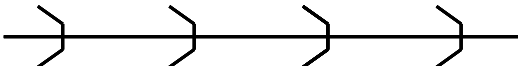

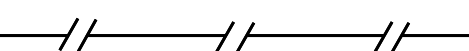
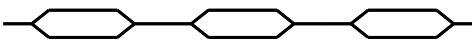
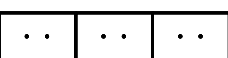


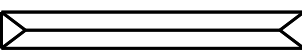
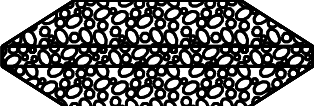
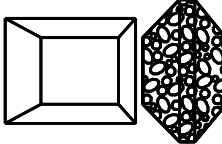
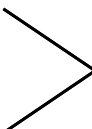


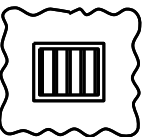


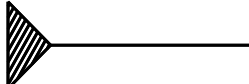

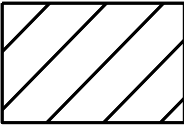

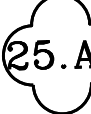

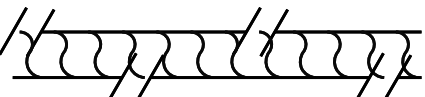
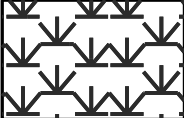
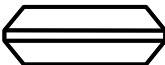




# EROSION AND SEDIMENT CONTROL PLANS LEGEND

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	13


## BEST MANAGEMENT PRACTICES (BMP's)

TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION	
TEMPORARY EARTH BERM	
BRUSH BARRIER	
SILT FENCE SEDIMENT BARRIER	
FLOATING BASIN BOOM	
HAY BALE DITCH CHECK	
SAND BAG DITCH CHECK	
WATTLE DITCH CHECK	
SILT DIKE DITCH CHECK	
ROCK DITCH CHECK	
ROCK DITCH CHECK WITH SUMP EXCAVATION	
SILT FENCE DITCH CHECK	

INLET PROTECTION	
STABILIZED CONSTRUCTION ENTRANCE	
EROSION CONTROL PRODUCTS	
SLOPE DRAIN	
TEMPORARY EARTH BERM WITH POLYETHYLENE	
DREDGE, FILL	
PRIMARY STORMWATER DISCHARGE POINT	
SECONDARY STORMWATER DISCHARGE POINT	
BACKGROUND POINT	
SEDIMENT RETENTION BARRIER	
SOLID SODDING	
TEMPORARY RIPRAP BERM	
TEMPORARY SEDIMENTATION BASIN	
PERMANENT DETENTION BASIN	

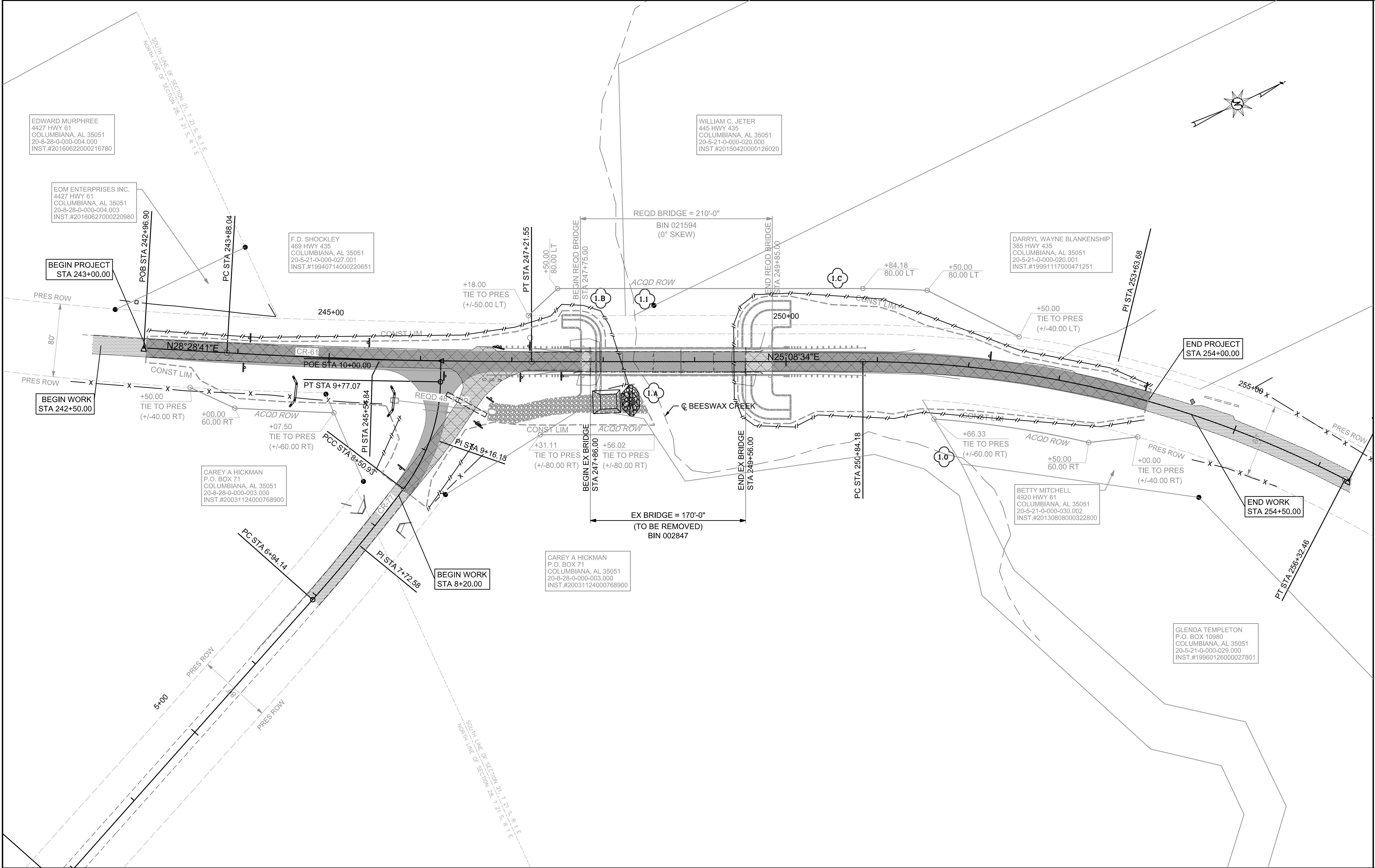
--SPECIFICATIONS--  
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS	 <div>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</div>	
	DESIGN BUREAU SPECIAL DRAWING	
	EROSION & SEDIMENT CONTROL LEGEND	
Bureau Std Engr: <u>L.V.S.</u> DRAWN BY: <u>W.D.H.</u> DATE DRAWN: <u>10-14-16</u>	SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL		

# EROSION CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	14



INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	INDEX TO BRIDGE SHEETS, ESTIMATED QUANTITIES, BRIDGE GENERAL NOTES AND REQUIRED
2	GENERAL PLAN AND ELEVATION
3	JOINT DETAILS
4	SUPERELEVATION TRANSITION DETAILS
5	SPAN 1 DETAILS
6	SPAN 2 DETAILS
7	GIRDER DETAILS - SPAN 1
8	GIRDER DETAILS - SPAN 2
9	INCREMENTAL ELEVATIONS AT FINISH GRADE
10	ABUTMENT 1
11	ABUTMENT 3
12	ABUTMENT 1 & 3 DETAILS
13	BENT 2
14	BENT 2 DETAILS
15	BORING LOCATION PLAN
16	TEST BORING RECORDS
17	TEST BORING RECORDS

ESTIMATED QUANTITIES

QUANTITY	UNIT	ITEM	DESCRIPTION
★★ 1	LUMP SUM	206A-000	REMOVAL OF OLD BRIDGE, STATION 247+86.00
24400	POUND	502A-001	STEEL REINFORCEMENT (GRADE 60)
1	LUMP SUM	502B-000	STEEL REINFORCEMENT FOR BRIDGE SUPERSTRUCTURE, 247+75.00 APPROX 49,400 LBS
20	EACH	505G-003	PILE POINTS (TYPE A, 12")
311	LINEAR FOOT	505M-002	STEEL PILING FURNISHED AND DRIVEN (HP 12X53)
46	LINEAR FOOT	506A-003	DRILLED SHAFT EXCAVATION, 5'-0" DIAMETER
25	LINEAR FOOT	506B-005	SPECIAL DRILLED SHAFT EXCAVATION, 5'-0" DIAMETER
71	LINEAR FOOT	506C-044	DRILLED SHAFT CONSTRUCTION, 5'-0" DIAMETER, CLASS DS1 CONCRETE
71	LINEAR FOOT	506F-006	PERMANENT DRILLED SHAFT CASING, 5'-0" DIAMETER
2	EACH	506G-004	CROSSHOLE SONIC LOGGING, 5'-0" DIAMETER
3270	POUND	508A-000	STRUCTURAL STEEL
81	CUBIC YARD	510A-031	BRIDGE SUBSTRUCTURE CONCRETE, CLASS A (4000 PSI)
1	LUMP SUM	510C-051	BRIDGE CONCRETE SUPERSTRUCTURE, 247+75.00 APPROX 220 CY
554	SQUARE YARD	510E-000	GROOVING CONCRETE BRIDGE DECKS
16	EACH	511A-053	ELASTOMERIC BEARING TYPE 2 (MARK B4)
826	LINEAR FOOT	513B-015	PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE BT-54 (SPECIALTY ITEM)

REQUIRED

1....	110'-0" PRETENSIONED-PRESTRESSED CONCRETE GIRDER SIMPLE SPAN WITH CONTINUOUS DECK (TYPE BT-54).....	BRIDGE SHEET NO. 5, 7 & 9
1....	100'-0" PRETENSIONED-PRESTRESSED CONCRETE GIRDER SIMPLE SPAN WITH CONTINUOUS DECK (TYPE BT-54).....	BRIDGE SHEET NO. 6, 8 & 9
2....	REINFORCED CONCRETE ABUTMENTS W/HP12x53 PILES (ABUTMENT NO. 1 & 3).....	BRIDGE SHEET NO. 10, 11 & 12
1....	REINFORCED CONCRETE BENT WITH DRILLED SHAFTS (5'-0" DIAMETER).....	BRIDGE SHEET NO. 13 & 14
	TEST BORING RECORDS.....	BRIDGE SHEET NO. 15, 16 & 17
	BRIDGE BARRIER RAIL.....	BRIDGE SPEC PROJ DWG BBR-1
	BRIDGE END SLAB DETAILS.....	BRIDGE SPEC PROJ DWG BES-450(U)BP
	EDGE BEAM DETAILS FOR TYPE BT-54 GIRDERS.....	BRIDGE SPEC PROJ DWG EBEW54
	STANDARD BRIDGE DETAILS.....	BRIDGE SPEC PROJ DWG SBD-1 (2 SHEETS)
	STANDARD BRIDGE NOTES.....	BRIDGE SPEC PROJ DWG SBN-1
	PRESTRESSED CONCRETE GIRDER STANDARD DETAILS.....	BRIDGE SPEC PROJ DWG SPGD-1 (2 SHEETS)

NOTES:

1. ALL CONTRACTOR SUBMITTALS REQUIRING THE REVIEW OF A GEOTECHNICAL ENGINEER SHALL BE REVIEWED BY THE COUNTY'S GEOTECHNICAL ENGINEER OF RECORD. (TERRACON)  
THESE SUBMITTALS SHALL INCLUDE:  
505.03(D)1 - HAMMER SUBMITTAL  
506.03(4)2 - DRILLED SHAFT INSTALLATION PLAN  
506.10(A)6 - CROSSHOLE SONIC LOGGING TEST RESULTS
- ★ 2. ACCESS TO A FOUNDATION REPORT AND CORE BORINGS FOR THE PROJECT CAN BE ARRANGED BY CONTACTING THE COUNTY ENGINEER.
3. THE SHELBY COUNTY ENGINEER OF RECORD (TERRACON) SHALL BE RESPONSIBLE FOR ALL GEOTECHNICAL FIELD MONITORING AS REQUIRED IN THE CONTRACT DOCUMENTS.
- ★★ 4. IN AREAS WHERE THE EXISTING SUBSTRUCTURE IS IN CONFLICT WITH THE NEW FOUNDATION, THE EXISTING FOOTING (INCLUDING PULLING PILES) SHALL BE REMOVED PRIOR TO PLACING THE NEW FOUNDATION. THIS IS TO BE PAID FOR UNDER PAY ITEM 206A.


STANDARD BRIDGE NOTES


SEE BRIDGE SPEC PROJ DWG SBN-1  
ROADWAY: 28'-0" GUTTER TO GUTTER W/ BARRIER RAIL

① 2022	⑱	②⑦
② 8TH, AUG 2022, HL-93	⑳	③⑧
③	㉑	④⑨ ★
⑤ ABUT 1 PILES: 49 TONS (SERVICE) 71 TONS (STRENGTH/FACTORED)	㉒	⑤⑩
ABUT 3 PILES: 46 TONS (SERVICE) 67 TONS (STRENGTH/FACTORED)	㉓	⑥⑪
⑫ 6 , 10	㉔ 5FT BELOW GROUNDLINE	⑦⑫
⑬		

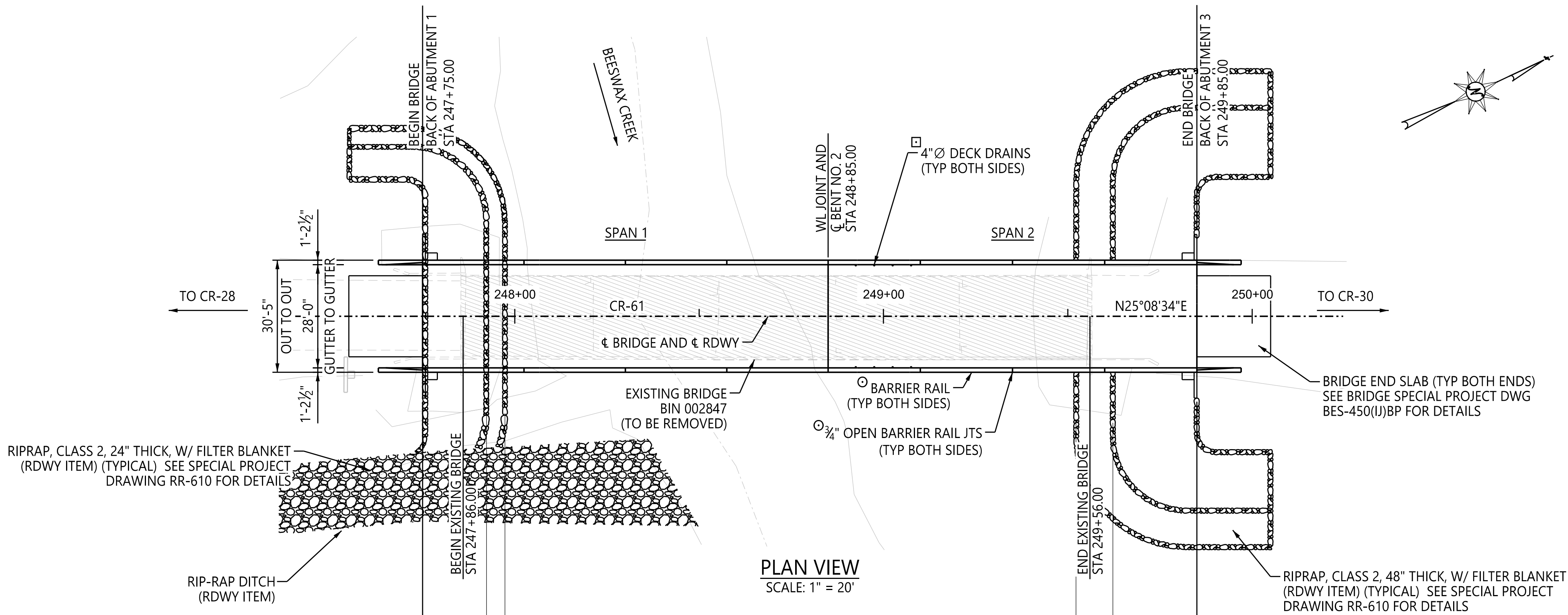


I CERTIFY THAT COMPLETE REVIEWS OF THE DESIGNER'S CALCULATIONS, CONTRACT STRUCTURAL DRAWINGS, APPLICABLE SPECIFICATIONS, AND SPECIAL PROVISIONS HAVE BEEN MADE BY COMPETENT ENGINEERS OF THIS ORGANIZATION, AND THAT THESE PLANS ARE ACCURATE, COMPLETE, AND SUITABLE FOR LETTING.

APPROVED:  DATE: 1-23-2025  
(Engineer of Records Signature)  
REGISTRATION NO. 37326

ACCEPTED BY:	THESE DRAWINGS REPRESENT DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION; AND ARE NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE SUCH USE. ANYONE MAKING UNAUTHORIZED USE OF THESE DRAWINGS MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.	ALABAMA DEPARTMENT OF TRANSPORTATION						
BRIDGE ENGINEER		BRIDGE SHEET NO. 1 OF 17	PROJECT NO. SCP 59-904-19 BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00					
DATE		REVISIONS	SHELBY COUNTY					
 BURK-KLEINPETER, INC. 4176 CANAL ST NEW ORLEANS, LA 70119 (504) 486-5901		BIN:	021594	INDEX TO BRIDGE SHEETS, ESTIMATED QUANTITIES, BRIDGE GENERAL NOTES AND REQUIRED				
			ESTIMATED QUANTITIES	DESIGNED BY:	DSH	DRAWN BY:	CRT	
			COMPUTED BY:	CRT	CHECKED BY:		DATE DRAWN:	
			VERIFIED BY:	DSH	DATE CHECKED:		SCALE:	





HYDRAULIC DATA

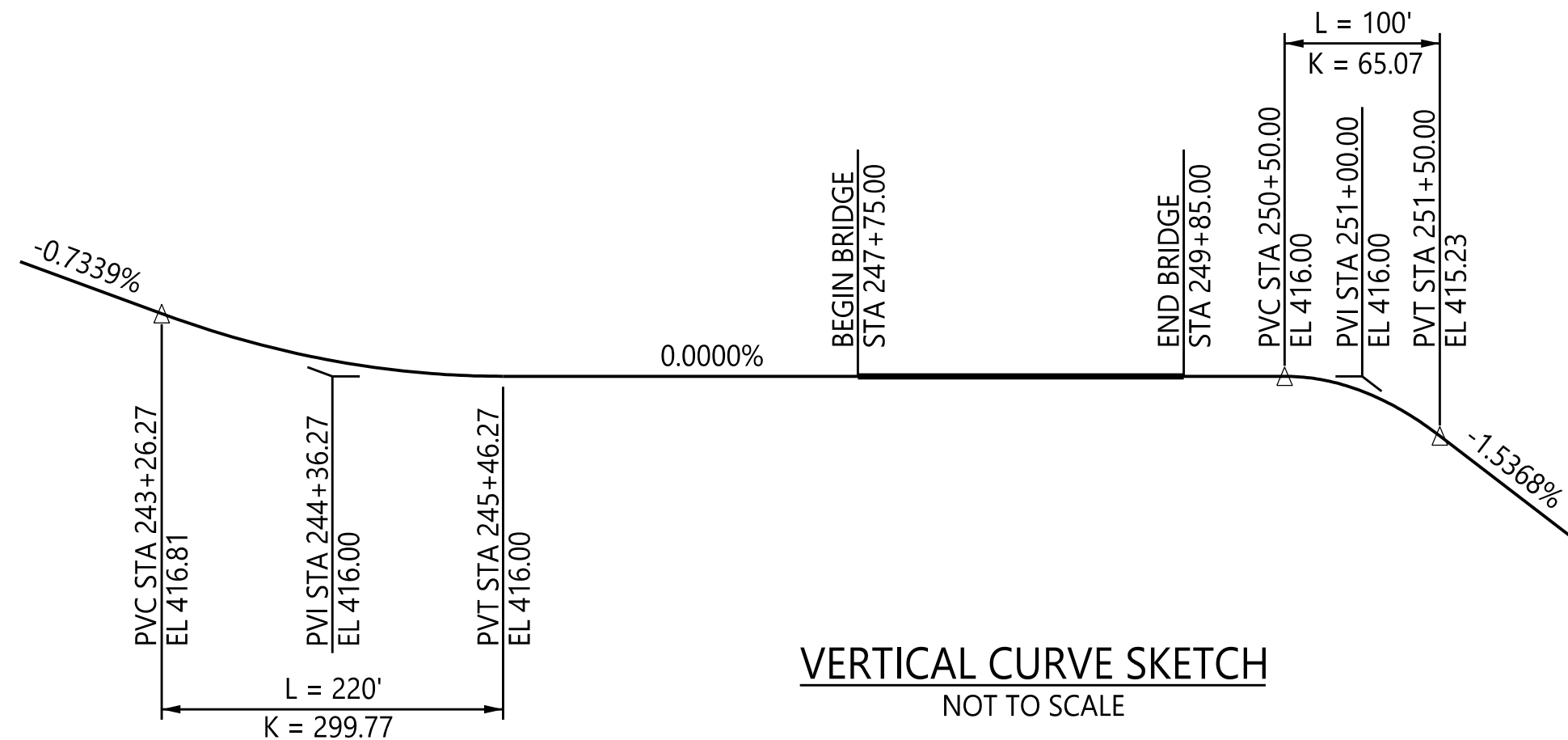
DRAINAGE AREA = 17.0 SQ MILES

	DISCHARGE (FT <sup>3</sup> /S)	STAGE (FEET)
Q25	4,565	405.6
Q50	5,460	406.1
Q100	6,375	406.5
Q200	7,320	406.9
Q500	8,640	407.4

OPENING PROVIDED = 1,844 SQ FT  
V25 = 5.2 FT/SEC

NOTES:

- 1. SEE BRIDGE SPECIAL PROJECT DWG SBD-1 FOR DETAILS.
- 2. SEE BRIDGE SPECIAL PROJECT DWG BBR-1 FOR DETAILS.
- 3. PILES AT ABUTMENTS SHALL BE DRIVEN TO REFUSAL AND HAVE TYPE A PILE POINT PROTECTORS.
- 4. A MINIMUM EMBEDMENT OF 2.5 SHAFT DIAMETERS INTO COMPETENT ROCK IS REQUIRED AT DRILLED SHAFTS.



BURK-KLEINPETER, INC.  
4176 CANAL ST  
NEW ORLEANS, LA 70119  
(504) 486-5901

ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 2 OF 17	PROJECT NO. SCP 59-904-19
REVISIONS	BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00
	SHELBY COUNTY
	GENERAL PLAN & ELEVATION
ESTIMATED QUANTITIES	DESIGNED BY: DSH DRAWN BY: CRP
COMPUTED BY: CRP	CHECKED BY: DATE DRAWN: .
VERIFIED BY: DSH	DATE CHECKED: SCALE: .

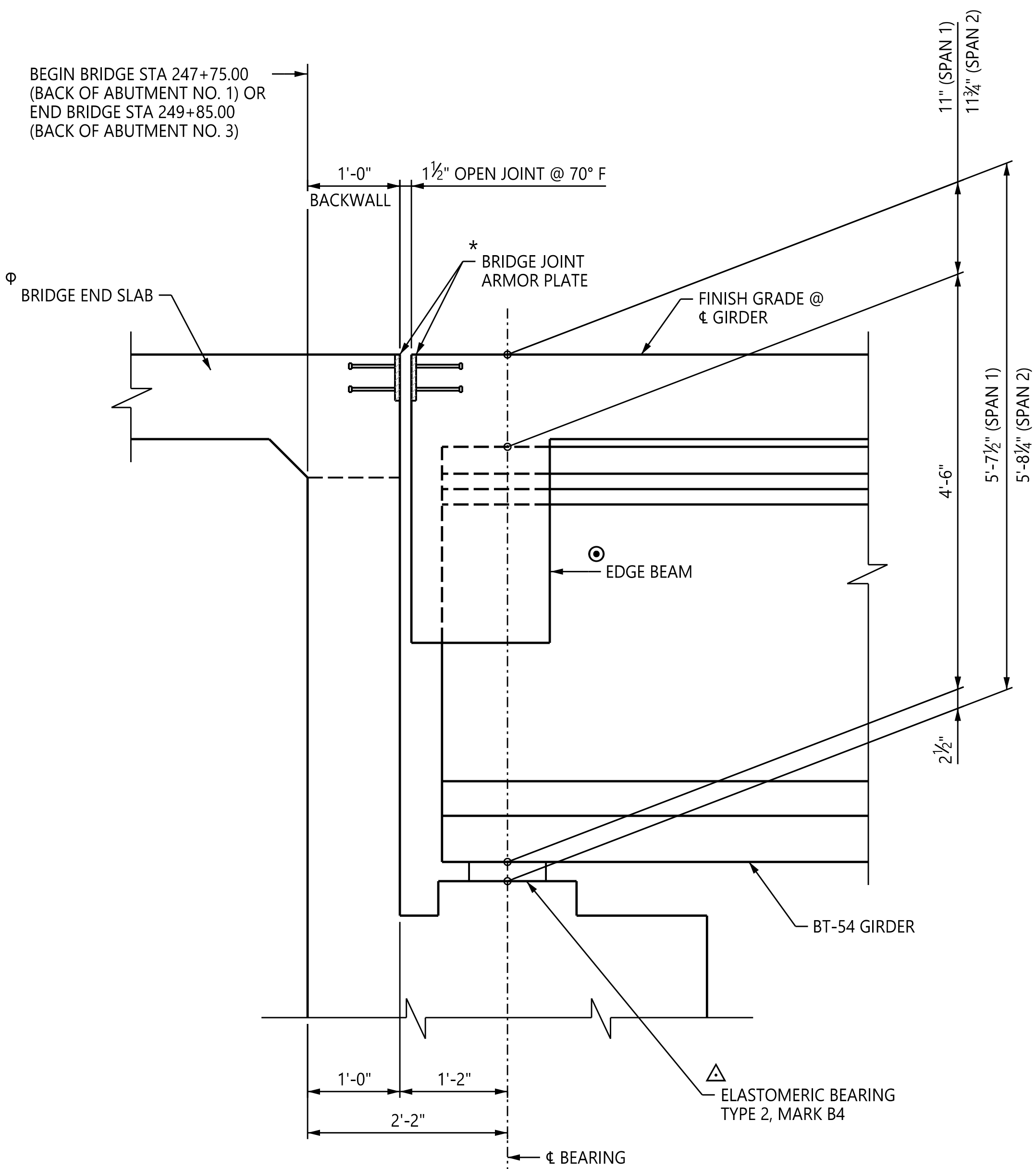
BIN: 021594

2'-0"  
1'-0"  
0  
SHEET REFERENCE

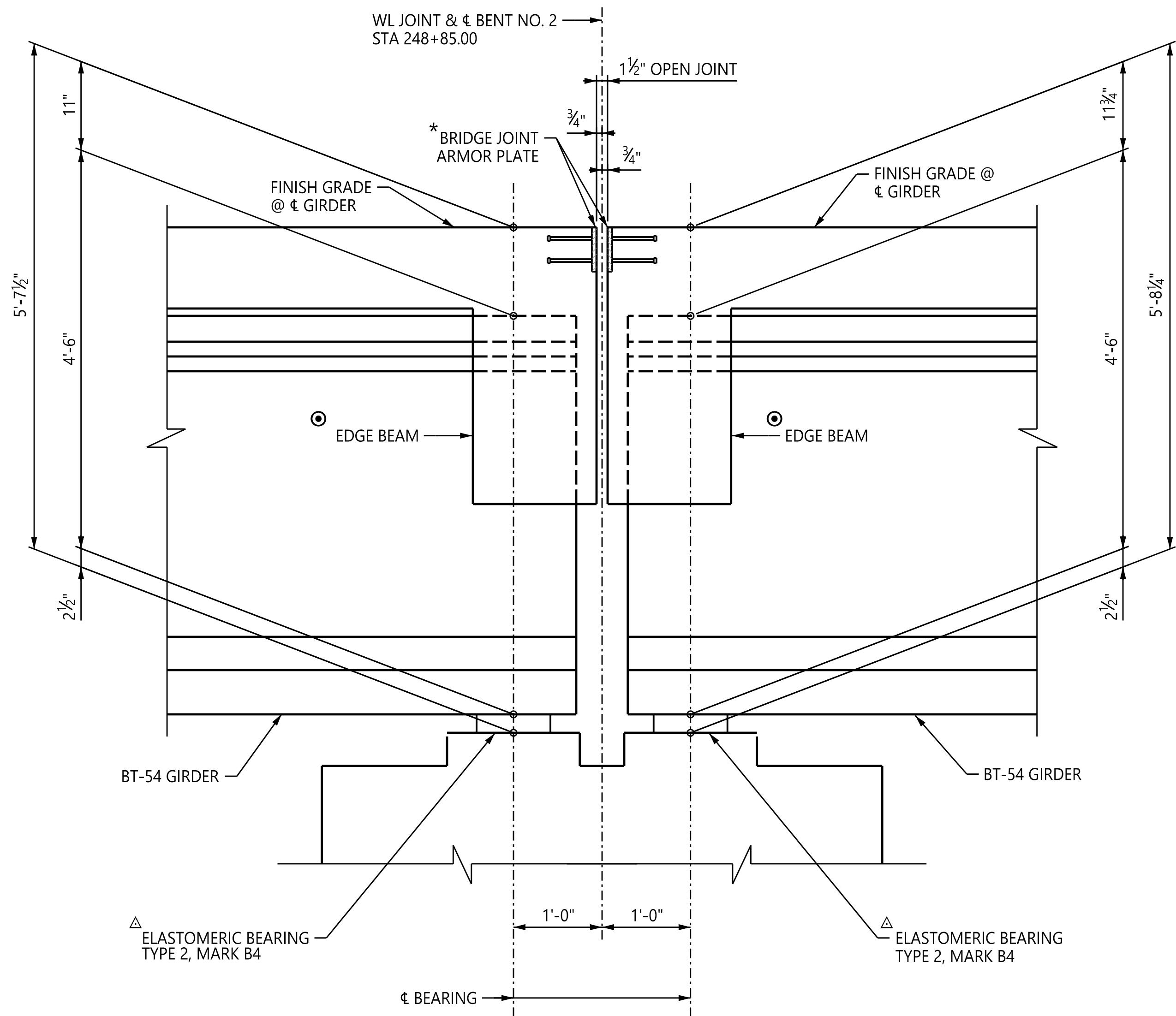
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Plot: 8x11in DATE & TIME

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15B



**ABUTMENT NO. 1**  
(ABUTMENT NO. 3 OPPOSITE HAND)  
SCALE: 1" = 1'-0"



**BENT NO. 2**  
SCALE: 1" = 1'-0"

- NOTES
- 1. SEE BRIDGE SPECIAL PROJECT DWG SPGD-1 FOR DETAILS.
  - 2. SEE BRIDGE SPECIAL PROJECT DWG EBEW54 FOR DETAILS.
  - 3. SEE BRIDGE SPECIAL PROJECT DWG SBD-1 FOR DETAILS.
  - 4. SEE BRIDGE SPECIAL PROJECT DRAWING BES-450(IJ)BP FOR DETAILS.

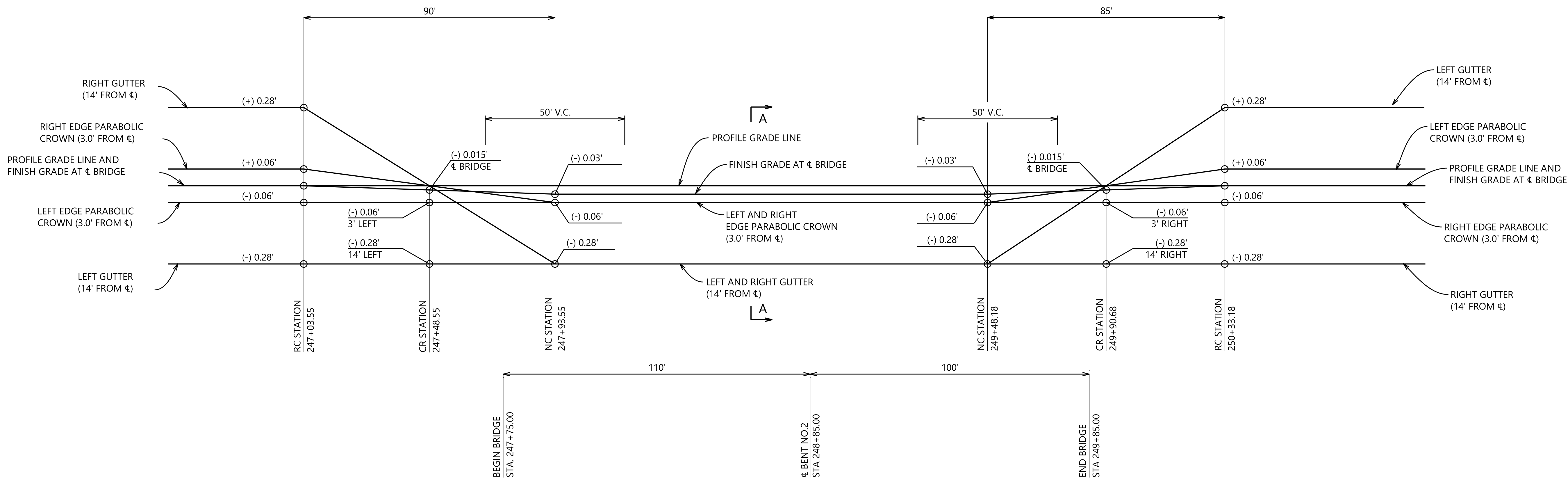


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**ALABAMA DEPARTMENT OF TRANSPORTATION**

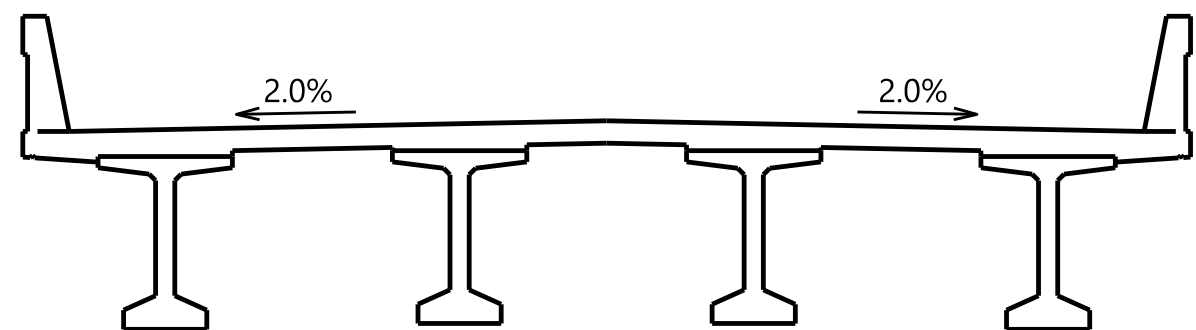
BRIDGE SHEET NO. 3 OF 17		PROJECT NO. SCP 59-904-19	
REVISIONS		BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00	
		SHELBY COUNTY	
		JOINT DETAILS	
ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY:	CRP
COMPUTED BY: CRP	CHECKED BY:	DATE DRAWN:	
VERIFIED BY: DSH	DATE CHECKED:	SCALE:	

BIN: 021594




**SUPERELEVATION TRANSITION**

SCALE: HORZ 1" = 20'  
VERT 1" = 10'



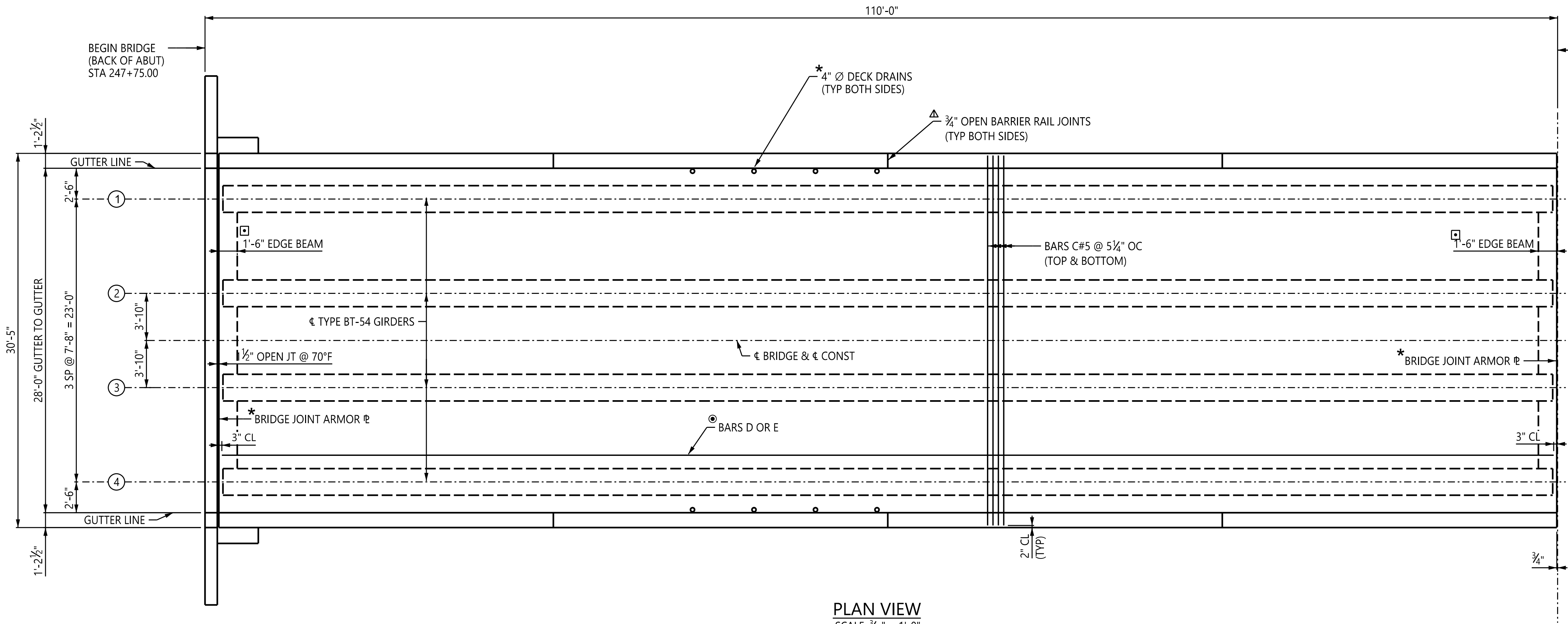
**SECTION A - A**  
NTS

		BURK-KLEINPETER, INC. 4176 CANAL ST NEW ORLEANS, LA 70119 (504) 486-5901			
ALABAMA DEPARTMENT OF TRANSPORTATION		BRIDGE SHEET NO. 4 OF 17		PROJECT NO. SCP 59-904-19 BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00 SHELBY COUNTY	
REVISIONS		SUPERELEVATION TRANSITION DETAILS			
		ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY: CRT	
		COMPUTED BY: CRT	CHECKED BY: DSH	DATE DRAWN: 11/11/2024	
BIN:	021594	VERIFIED BY: DSH	DATE CHECKED: 11/11/2024	SCALE: 1" = 10'	

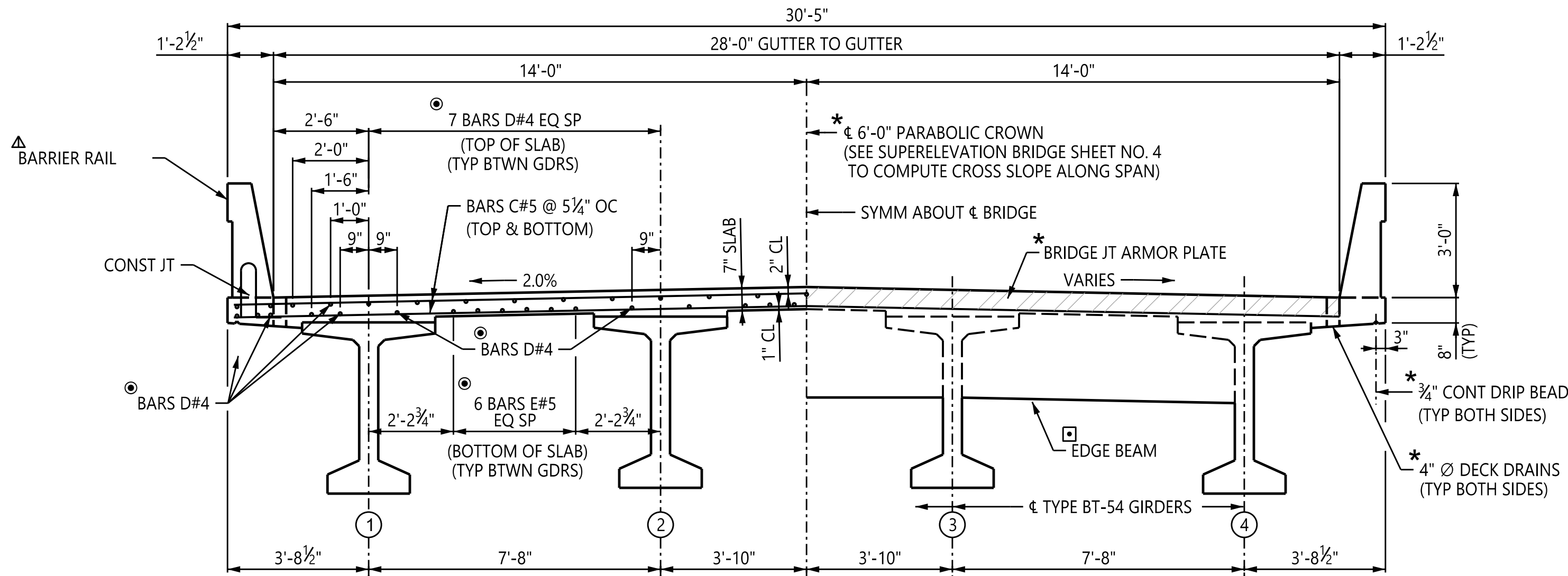
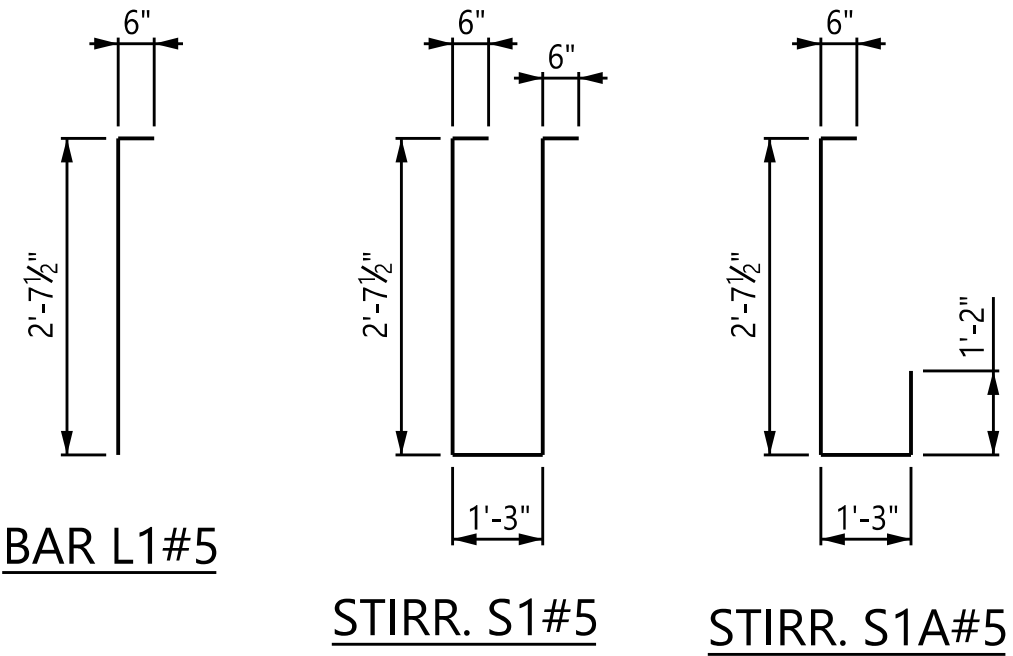


Plot: 8x8 SYSTEM DATE & TIME: \$\$\$\$\$\$DESIGN FILE SPECIFICATION\$\$\$\$\$

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15D



BILL OF REINFORCEMENT						
BAR	SIZE	LENGTH	NUMBER	POUNDS	LOCATION	BENDING
BL	4	111' - 0"	16	1186.37	RAIL	STRAIGHT
B1	4	6' - 1 1/2"	436	1783.89	RAIL	▷
B2	4	3' - 10 3/4"	436	1134.65	RAIL	▷
B3	3	2' - 0"	112	84.22	RAIL	▷
C	5	30' - 1"	498	15625.70	DECK	STRAIGHT
D	4	111' - 0"	43	3188.36	DECK	STRAIGHT
E	5	111' - 8"	18	2096.43	DECK	STRAIGHT
L1	5	3' - 1 1/2"	8	26.08	EDGE BEAM	SEE DIAG
R1	8	4' - 6"	8	96.12	EDGE BEAM	STRAIGHT
R2	8	2' - 3"	8	48.06	EDGE BEAM	SEE DIAG
S1	5	7' - 6"	30	234.68	EDGE BEAM	SEE DIAG
S1A	5	5' - 6 1/2"	12	69.36	EDGE BEAM	SEE DIAG
W1	5	23' - 2"	4	96.65	EDGE BEAM	STRAIGHT
W2	5	6' - 10"	18	128.29	EDGE BEAM	STRAIGHT
TOTAL				25798.87		



ESTIMATED QUANTITIES				
25800	LBS	502B	STEEL REINFORCEMENT	
1162	LBS	508A	STRUCTURAL STEEL	
114.8	CY	510C	SUPERSTRUCTURE CONCRETE	

- NOTES
- 1 SEE BRIDGE SPECIAL PROJECT DRAWING BBR-1.
  2. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
  3. SEE BRIDGE SPECIAL PROJECT DRAWING EBEW-54 FOR EDGE BEAM DETAILS (OPEN JOINT).
  4. SPLICE BARS D, E & BL 30 BAR DIA (MIN) IN 2 LOCATIONS. LENGTHS SHOWN INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPLICES.
  5. SEE BRIDGE SHEET 7 FOR GIRDER DETAILS.
  6. STEEL REINFORCEMENT AND CONCRETE QUANTITIES FOR THE EDGE BEAM AND BARRIER RAIL ARE INCLUDED.

FINISH GRADE ELEVATIONS							
	LEFT GUTTER	GIRDER NO.1	GIRDER NO.2	¢ BRIDGE	GIRDER NO.3	GIRDER NO.4	RIGHT GUTTER
BEGIN BRIDGE STA 247+75.00	415.720	415.770	415.923	415.976	415.956	415.867	415.838
WL JOINT BENT NO 2 STA 248+85.00	415.720	415.770	415.923	415.970	415.923	415.770	415.720



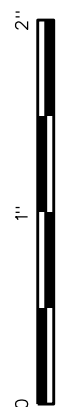
BURK-KLEINPETER, INC.  
4176 CANAL ST  
NEW ORLEANS, LA 70119  
(504) 486-5901

ALABAMA DEPARTMENT OF TRANSPORTATION				
BRIDGE SHEET NO. 5 OF 17		PROJECT NO. SCP 59-904-19		
REVISIONS		BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00		
		SHELBY COUNTY		
		SPAN 1 DETAILS		
ESTIMATED QUANTITIES		DESIGNED BY: DSH	DRAWN BY: CRP	
COMPUTED BY: CRP	CHECKED BY: DSH	DATE DRAWN: 10/2/2024	DATE CHECKED: 10/2/2024	
VERIFIED BY: DSH	DATE CHECKED: 10/2/2024	SCALE: 1" = 1'-0"		

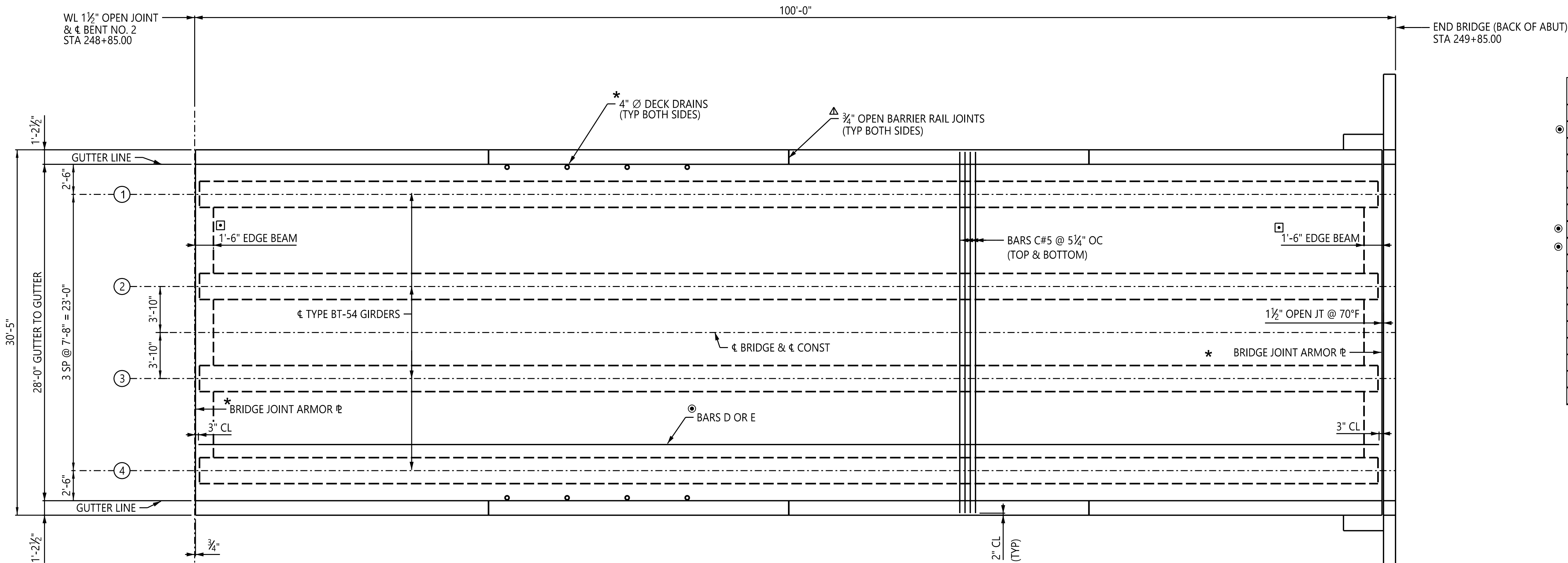
BIN: 021594

Plot:8x8xSTEM DATE&TIME

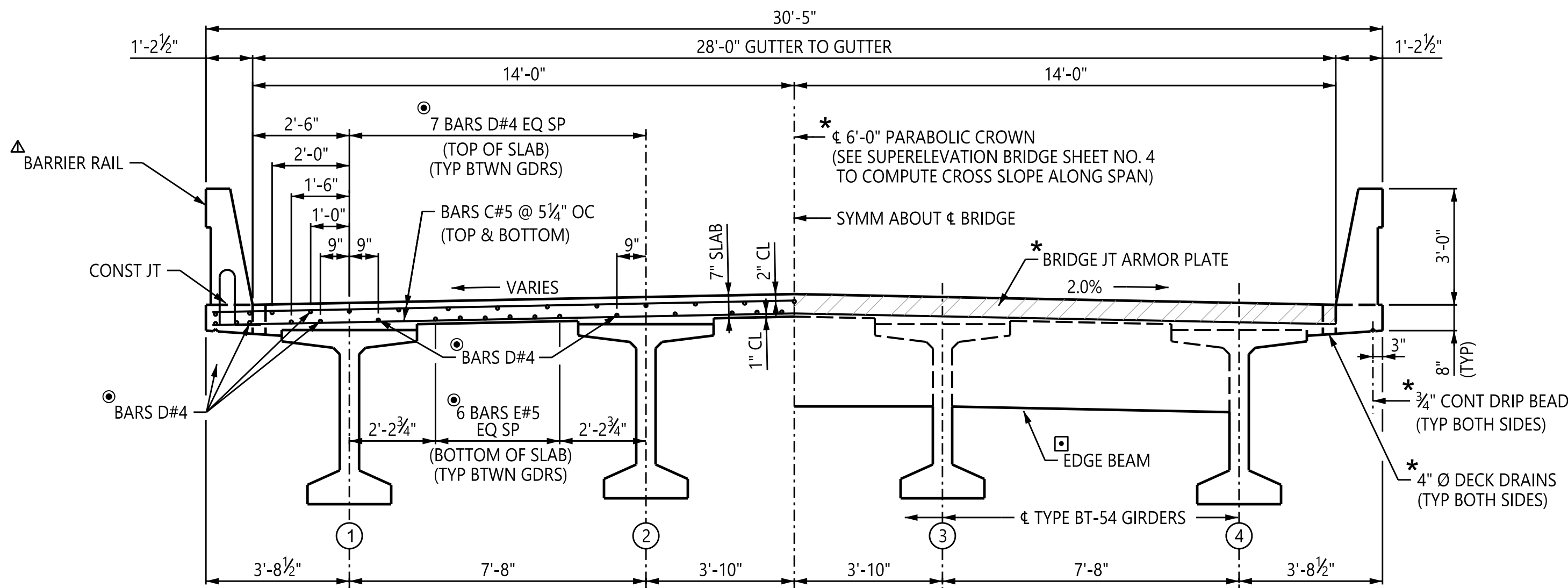
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REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15E



PLAN VIEW  
SCALE: 3/16" = 1'-0"

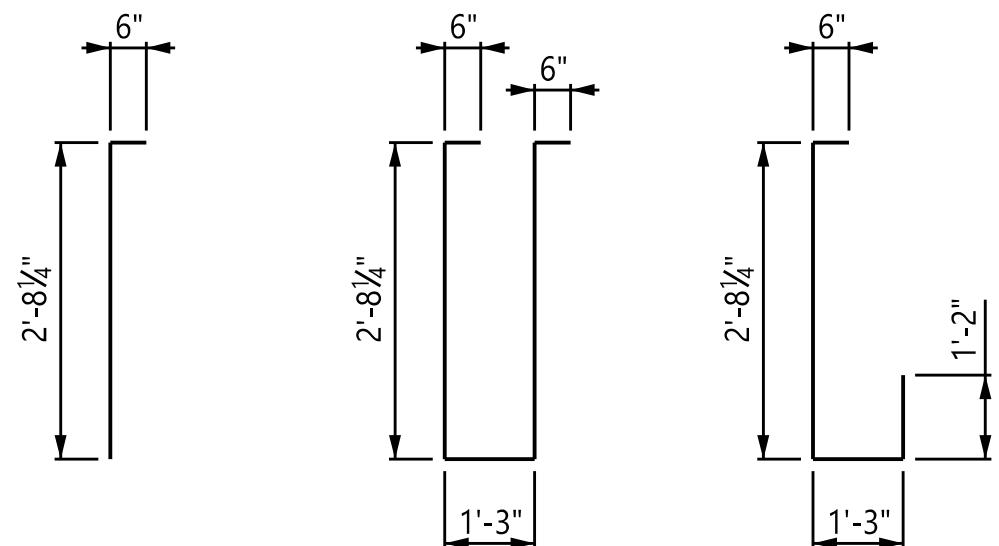


HALF TYPICAL SECTION  
SCALE: 3/8" = 1'-0"

HALF END SECTION  
SCALE: 3/8" = 1'-0"

FINISH GRADE ELEVATIONS							
	LEFT GUTTER	GIRDER NO.1	GIRDER NO.2	¢ BRIDGE	GIRDER NO.3	GIRDER NO.4	RIGHT GUTTER
WL JOINT BENT NO 2 STA 248+85.00	415.720	415.770	415.923	415.970	415.923	415.770	415.720
END BRIDGE STA 249+85.00	415.963	415.969	415.990	415.983	415.923	415.770	415.720

BILL OF REINFORCEMENT						
BAR	SIZE	LENGTH	NUMBER	POUNDS	LOCATION	BENDING
BL	4	101' - 0"	16	1079.49	RAIL	STRAIGHT
B1	4	6' - 1 1/2"	396	1620.23	RAIL	▷
B2	4	3' - 10 3/4"	396	1030.56	RAIL	▷
B3	3	2' - 0"	102	76.70	RAIL	▷
C	5	30' - 1"	454	14245.12	DECK	STRAIGHT
D	4	101' - 0"	43	2901.12	DECK	STRAIGHT
E	5	101' - 8"	18	1908.69	DECK	STRAIGHT
L1	5	3' - 2 1/4"	8	26.60	EDGE BEAM	SEE DIAG
R1	8	4' - 6"	8	96.12	EDGE BEAM	STRAIGHT
R2	8	2' - 3"	8	48.06	EDGE BEAM	SEE DIAG
S1	5	7' - 7 1/2"	30	238.59	EDGE BEAM	SEE DIAG
S1A	5	5' - 7 1/4"	12	70.14	EDGE BEAM	SEE DIAG
W1	5	23' - 2"	4	96.65	EDGE BEAM	STRAIGHT
W2	5	6' - 10"	18	128.29	EDGE BEAM	STRAIGHT
TOTAL				23566.36		



BAR L1#5

STIRR. S1#5

STIRR. S1A#5

BARS R2#8

ESTIMATED QUANTITIES			
% 23570	LBS	502B	STEEL REINFORCEMENT
% 1162	LBS	508A	STRUCTURAL STEEL
% 104.7	CY	510C	SUPERSTRUCTURE CONCRETE

### NOTES

- 1 SEE BRIDGE SPECIAL PROJECT DRAWING BBR-1.
- \* 2. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
- 3. SEE BRIDGE SPECIAL PROJECT DRAWING EBEW-54 FOR EDGE BEAM DETAILS (OPEN JOINT).
- 4. SPLICE BARS D, E & BL 30 BAR DIA (MIN) IN 2 LOCATIONS. LENGTHS SHOWN INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPLICES.
5. SEE BRIDGE SHEET 8 FOR GIRDER DETAILS.
- % 6. STEEL REINFORCEMENT AND CONCRETE QUANTITIES FOR THE EDGE BEAM AND BARRIER RAIL ARE INCLUDED.

## ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 6 OF 17		PROJECT NO. SCP 59-904-19	
REVISIONS		BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00	
		SHELBY COUNTY	
		SPAN 2 DETAILS	
ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY:	CRP
COMPUTED BY: CRP	CHECKED BY:	DATE DRAWN:	
VERIFIED BY: DSH	DATE CHECKED:	SCALE:	

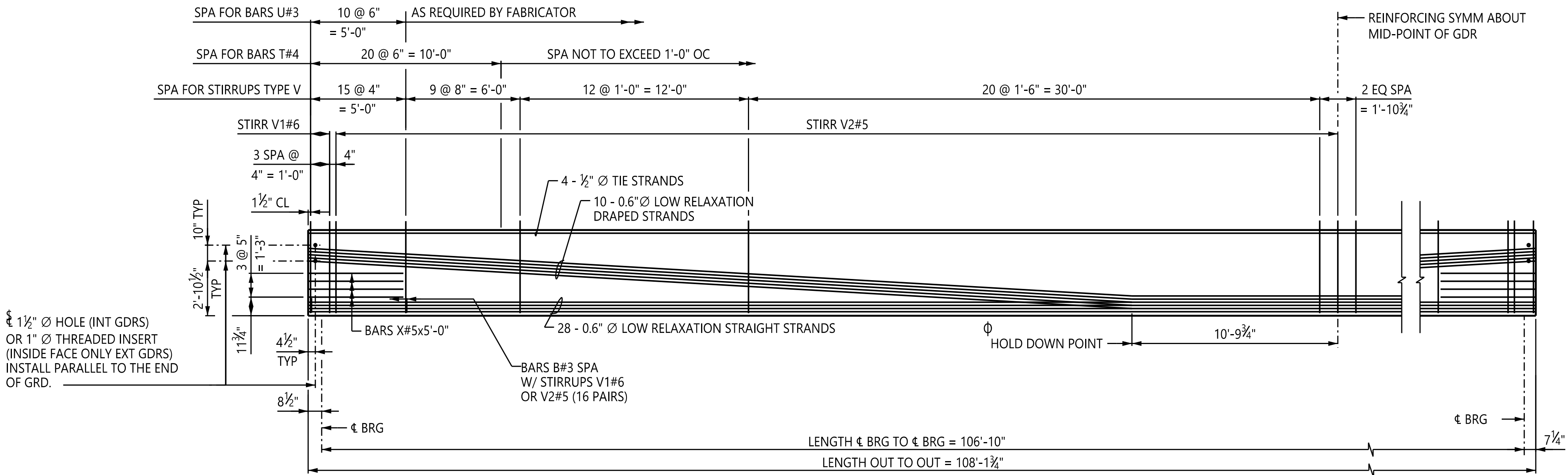
BIN:

021594



BURK-KLEINPETER, INC.  
4176 CANAL ST  
NEW ORLEANS, LA 70119  
(504) 486-5901

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15F

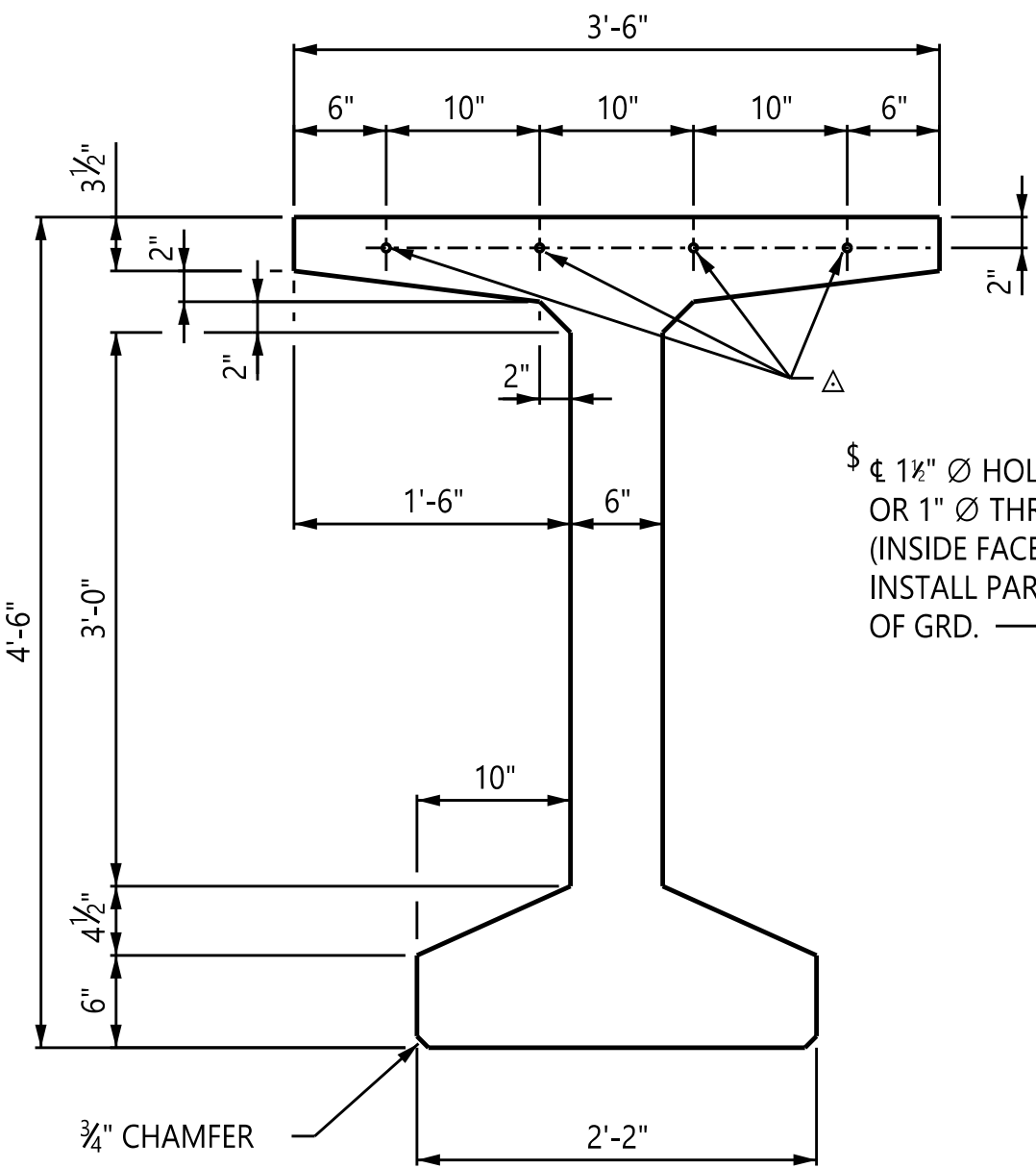


### TYPICAL GIRDER ELEVATION

(ALONG CL GIRDER)  
SCALE: 1/4" = 1'-0"

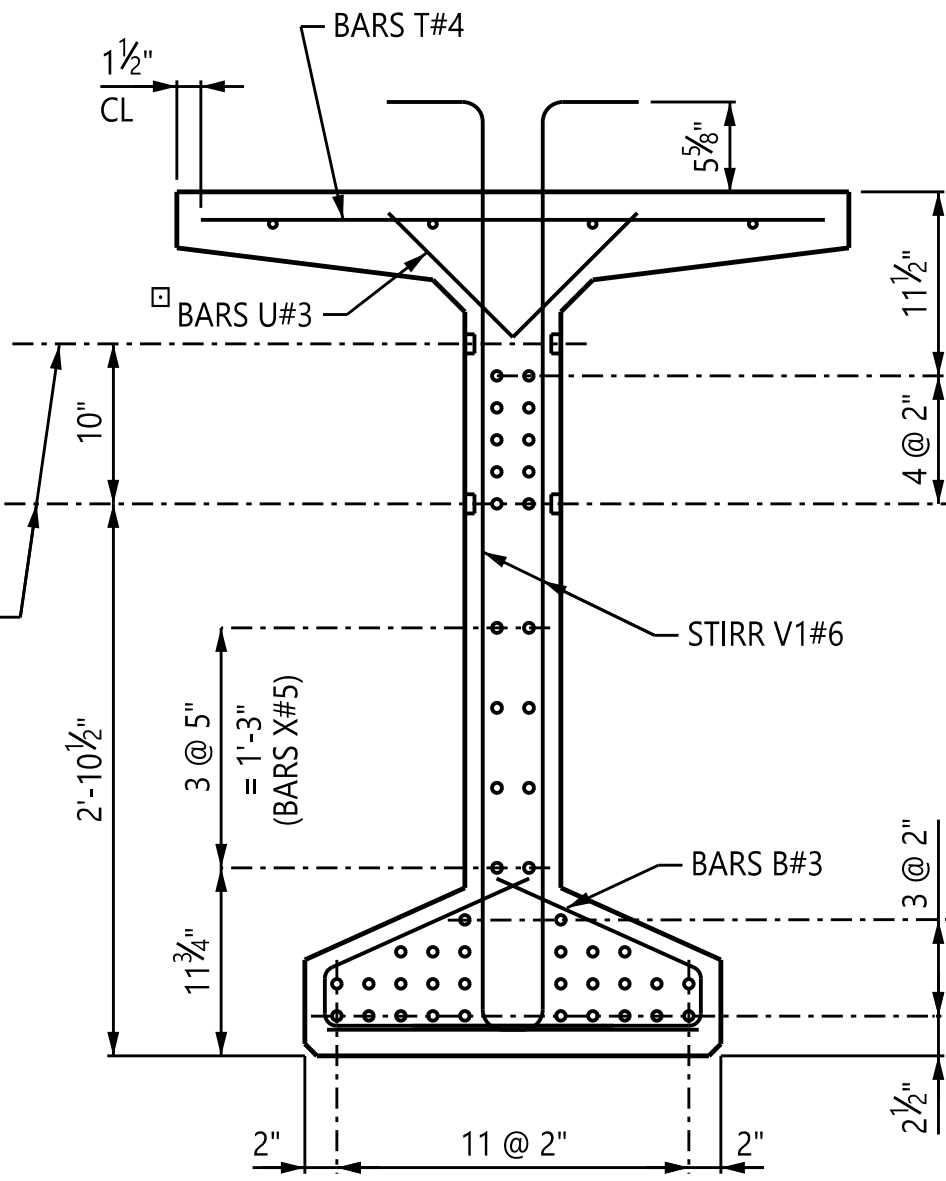
△ 4 STRAIGHT 1/2" Ø PRESTRESSED TIE STRANDS  
W/ INITIAL TENSION OF 8000 LBS EA.

□ SEE ELEVATION FOR SPACING



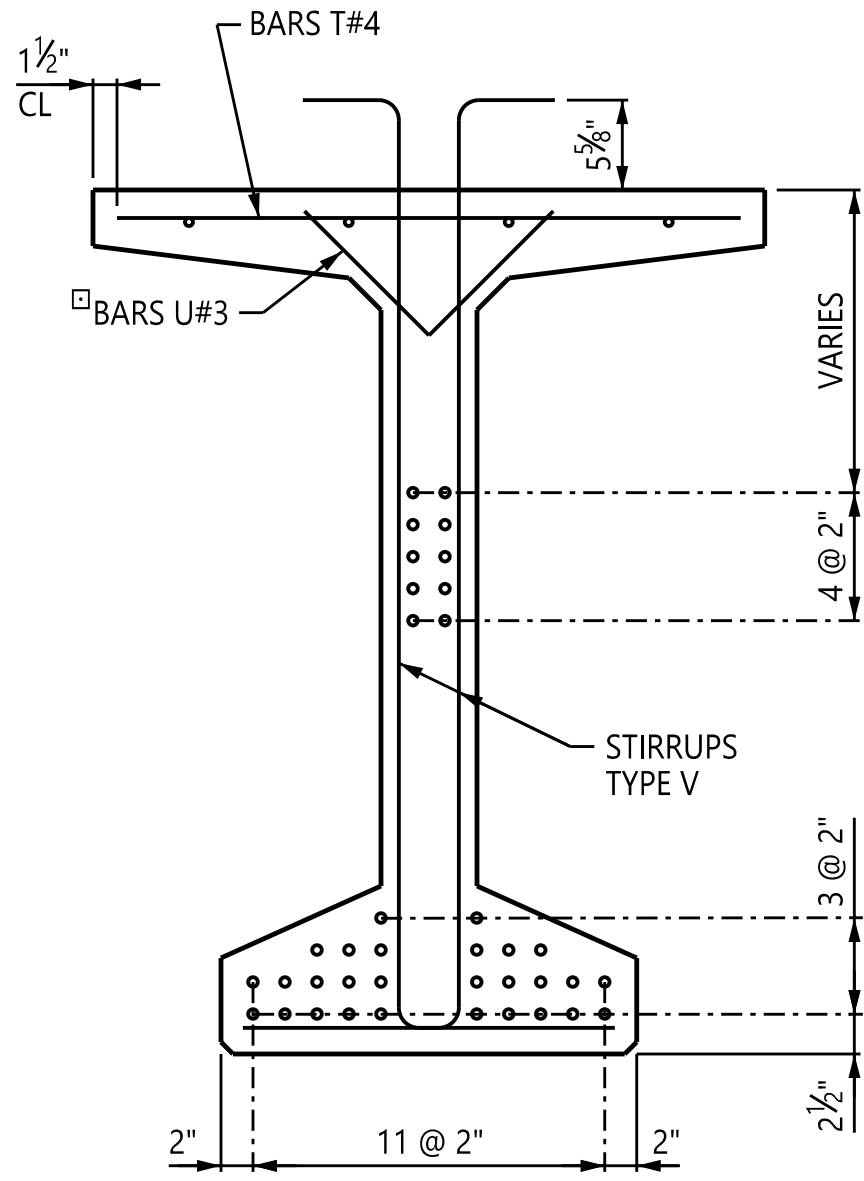
### TYPE BT-54 GIRDER

SCALE: 1" = 1'-0"



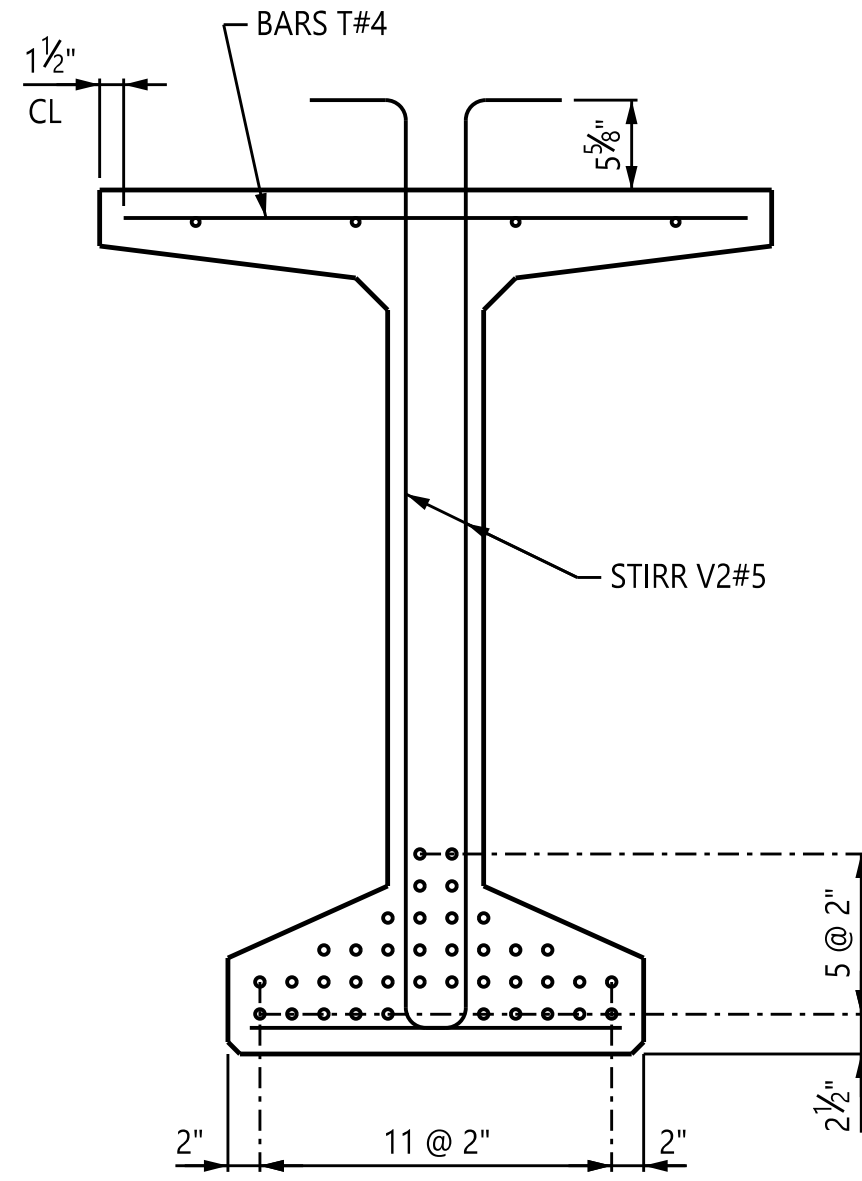
### SECTION @ END OF GIRDER

SCALE: 1" = 1'-0"



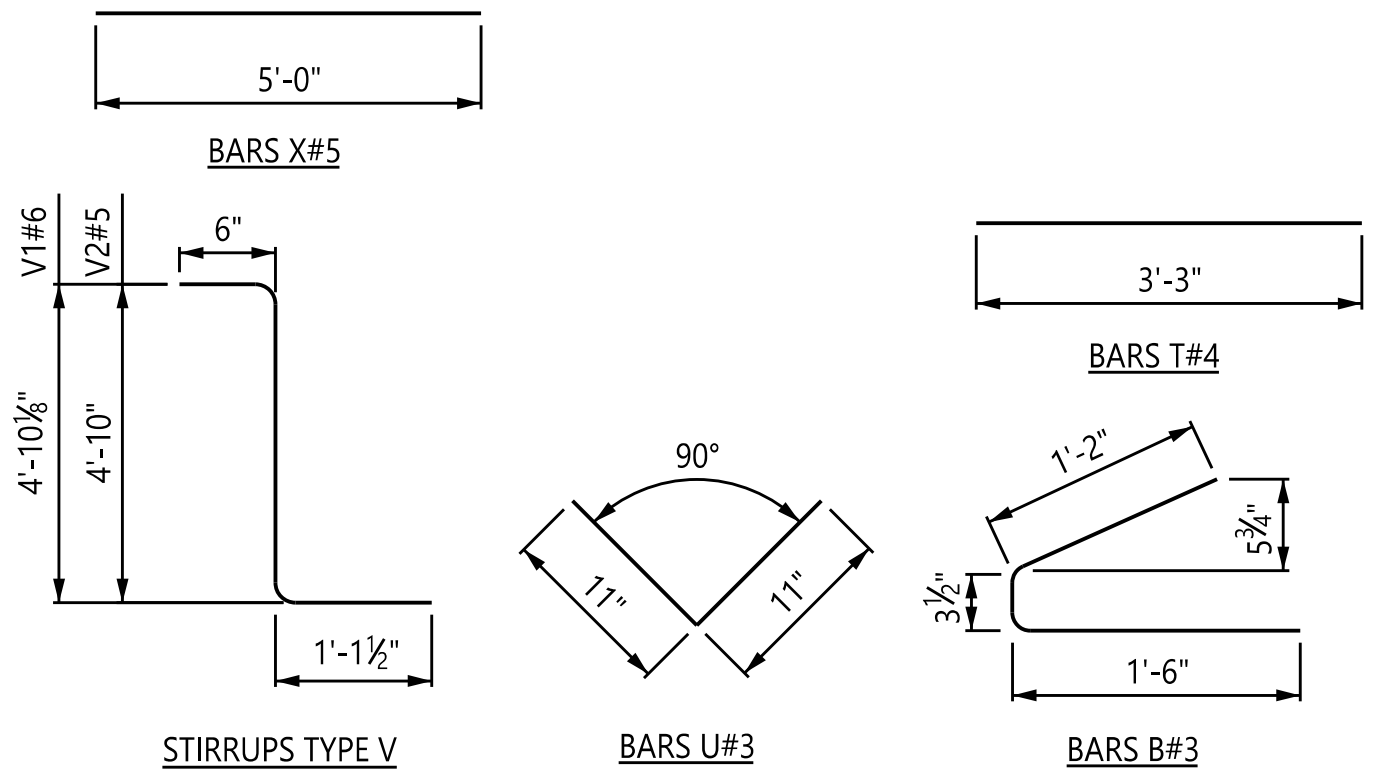
### SECTION BETWEEN END & HOLD DOWN

SCALE: 1" = 1'-0"



### SECTION BETWEEN HOLD DOWN POINTS

SCALE: 1" = 1'-0"



### BAR DETAILS

NTS

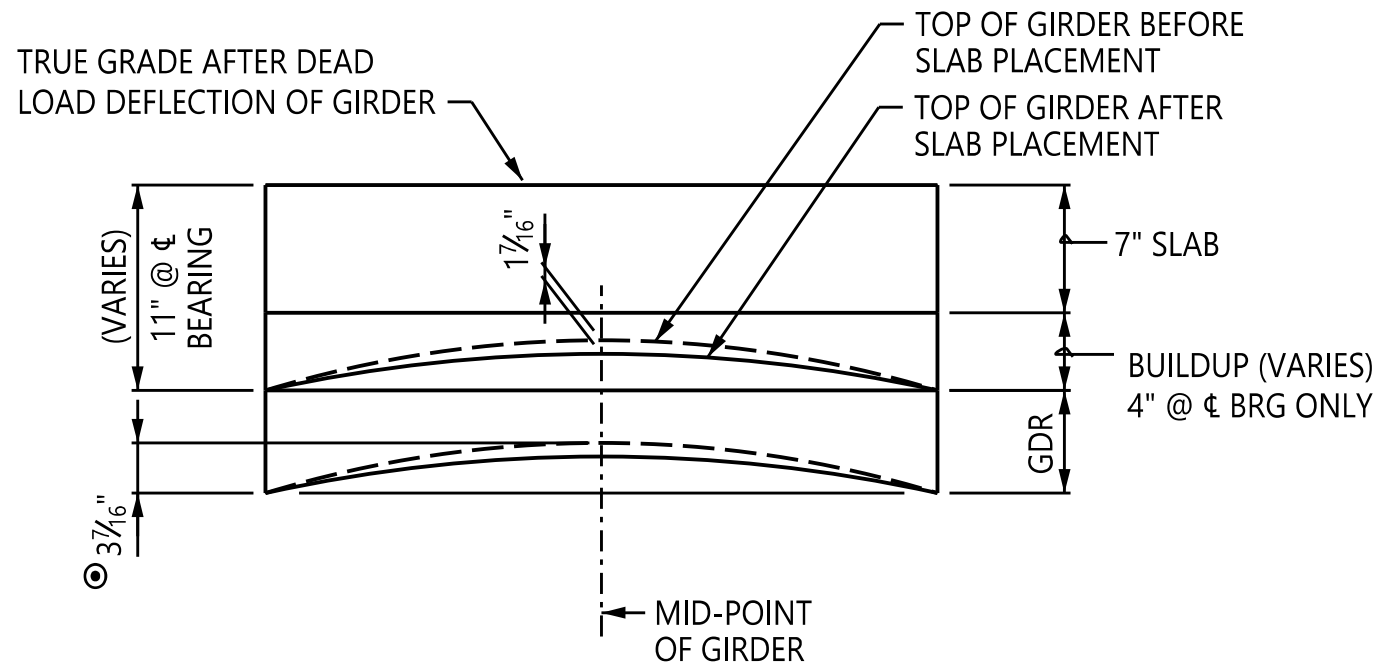
### GIRDER NOTES

- PRESTRESSING STRANDS, EXCEPT TIE STRANDS, SHALL BE 0.6" DIAMETER LOW RELAXATION WITH AN ULTIMATE TENSILE STRENGTH OF 270,000 PSI, ALL STRANDS, EXCEPT TIE STRANDS, SHALL HAVE AN INITIAL TENSION OF 43,940 LBS PER STRAND.
- ALL STRANDS NOT TO BE ENCASED IN CONCRETE SHALL BE CUT FLUSH WITH THE END OF GIRDER AND THE END OF GIRDER SHALL BE COATED WITH AN APPROVED EPOXY COATING.
- THE CONCRETE IN THE TYPE BT-54 GIRDERS SHALL HAVE A MINIMUM OF 7500 PSI COMPRESSIVE STRENGTH PRIOR TO RECEIVING PRESTRESSING FORCE AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 8500 PSI.
- COST OF NO. 8 THREADED BARS AND INSERTS SHALL BE INCLUDED IN PAY ITEM PRETENSIONED-PRESTRESSED CONCRETE GIRDERS, TYPE BT-54 (SPECIALTY ITEM).
- GIRDER ENDS SHALL BE VERTICAL IN FINAL ERECTED POSITION.
- UNLESS OTHERWISE SHOWN, STIRRUPS AND CONFINEMENT STEEL (BARS B) SHALL BE TIED AGAINST PRESTRESSING STRANDS TO PROVIDE A MINIMUM OF 1" CONCRETE COVER.
- THREADED INSERTS AND CONNECTION ANGLES ARE REQUIRED ON BOTH FACES OF ALL GIRDERS AT THE FIXED END AND BOTH FACES OF THE EXTERIOR GIRDERS ONLY AT THE EXPANSION END. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1.

Φ 8. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1 FOR HOLE DETAILS AT HOLD DOWN POINTS.

\$ 9. SEE BRIDGE SPECIAL PROJECT DRAWING EBEW54 FOR EDGE BEAM DETAILS.

⊙ THEORETICAL CAMBER (UPWARD DEFLECTION) SHOWN. ACTUAL CAMBER OF GIRDER MAY VARY AND SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING MATERIAL AND SETTING FORMS.



### DETAIL OF BUILD-UP BETWEEN BOTTOM OF SLAB AND TOP OF GDR (ALONG CL GDR)

NTS

**BKI**

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(504) 486-5901

### ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 7 OF 17

REVISIONS

PROJECT NO. SCP 59-904-19  
BRIDGE REPLACEMENT ON CR-61  
OVER BEESWAX CREEK  
AT STA 247+75.00

SHELBY COUNTY

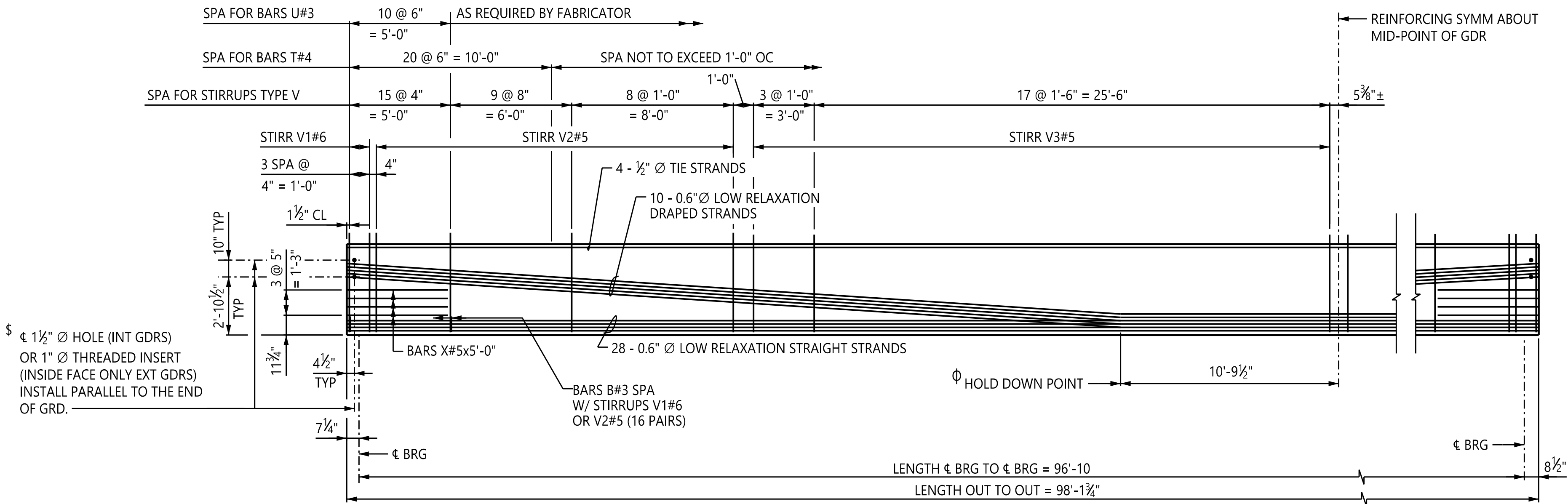
### GIRDER DETAILS - SPAN 1

BIN:

021594

ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY: CRP
COMPUTED BY: CRP	CHECKED BY: DSH	DATE DRAWN: 11/1/2024
VERIFIED BY: DSH	DATE CHECKED: 11/1/2024	SCALE: 1/4" = 1'-0"

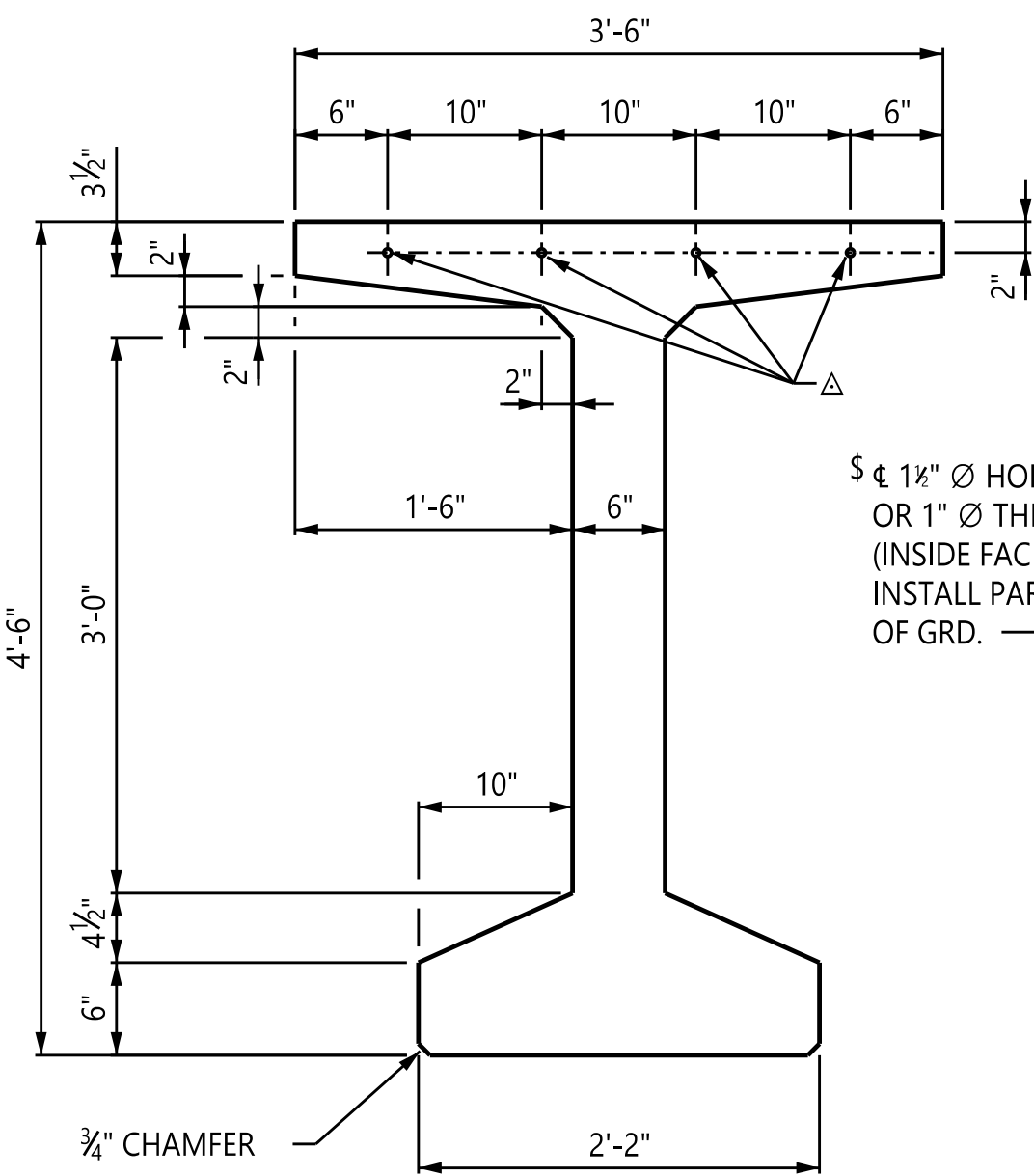




TYPICAL GIRDER ELEVATION  
(ALONG CL GIRDER)  
SCALE: 1/4" = 1'-0"

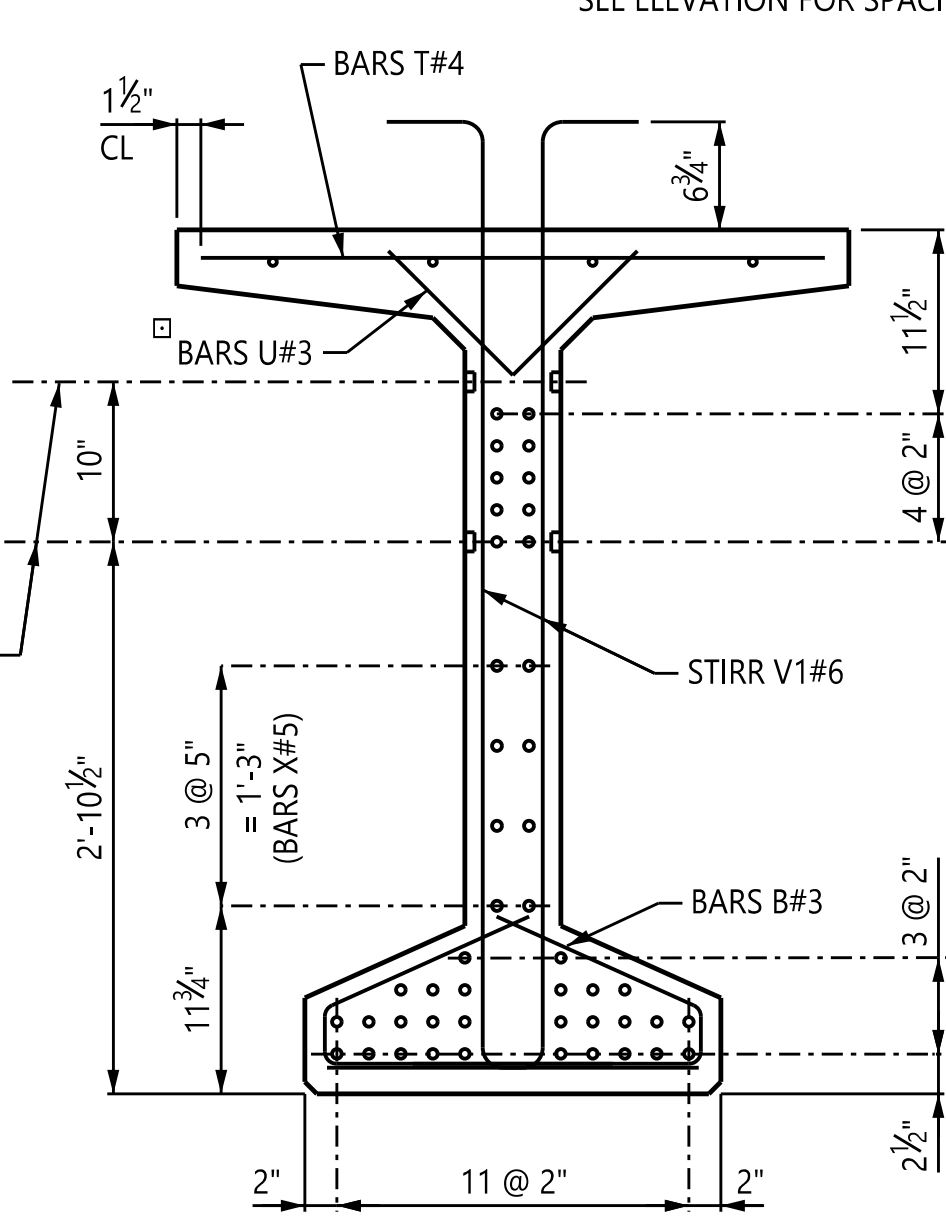
△ 4 STRAIGHT 1/2" Ø PRESTRESSED TIE STRANDS W/ INITIAL TENSION OF 8000 LBS EA.

□ SEE ELEVATION FOR SPACING

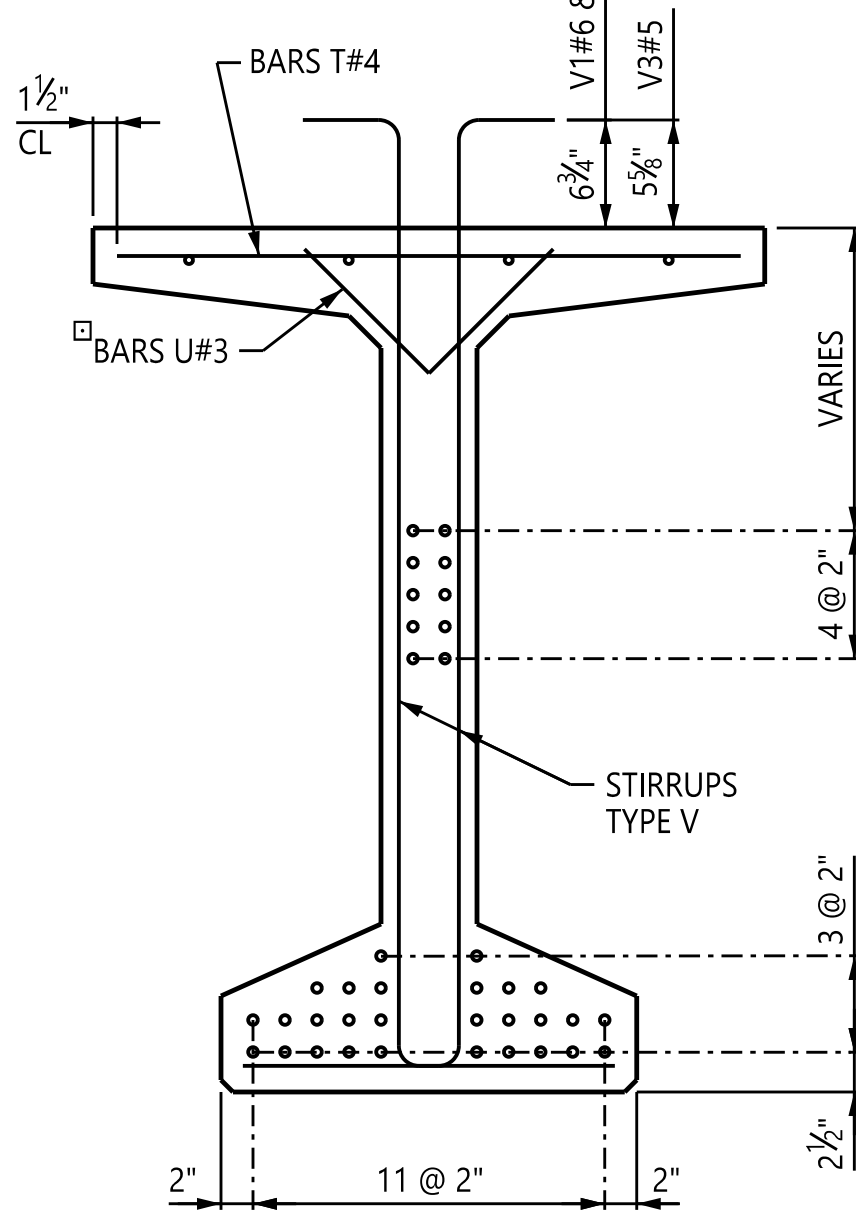


TYPE BT-54 GIRDER  
SCALE: 1" = 1'-0"

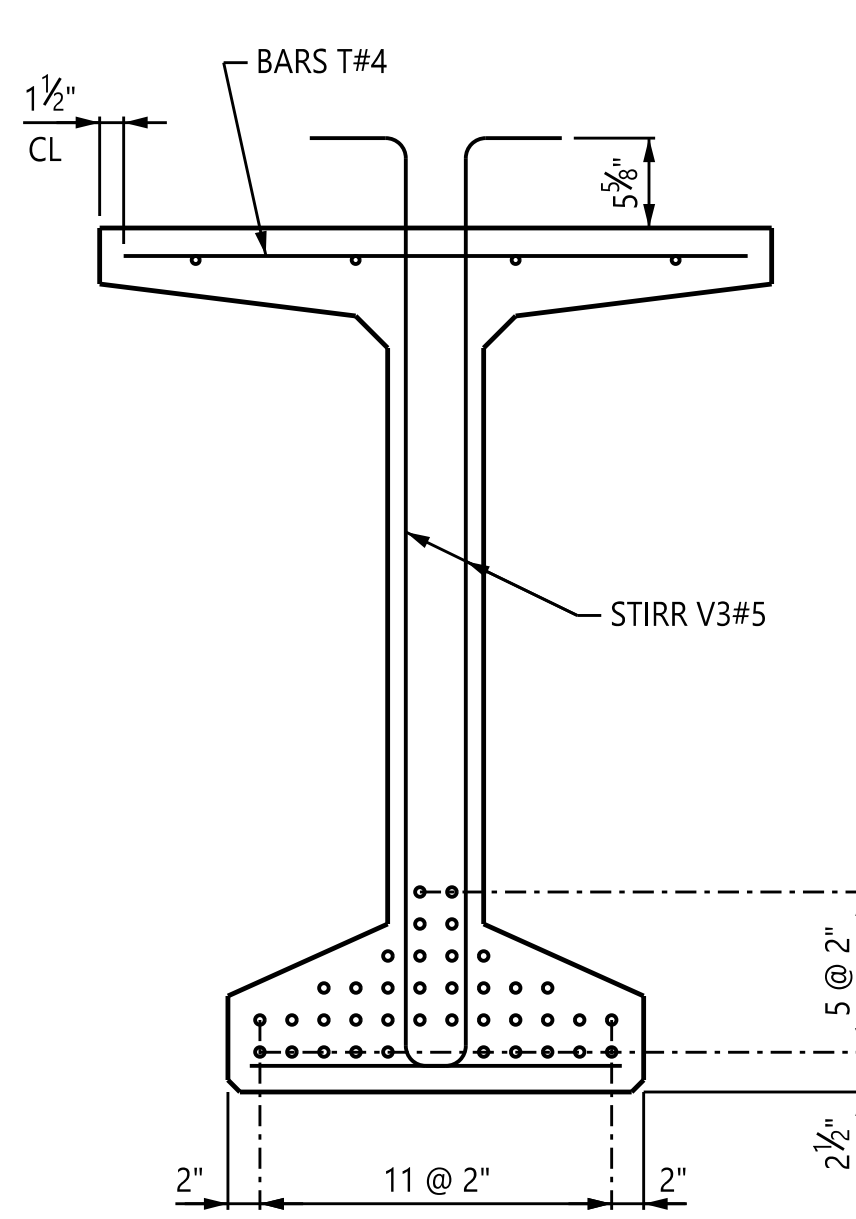
△ 4 - 1/2" Ø HOLE (INT GDRS) OR 1" Ø THREADED INSERT (INSIDE FACE ONLY EXT GDRS) INSTALL PARALLEL TO THE END OF GRD.



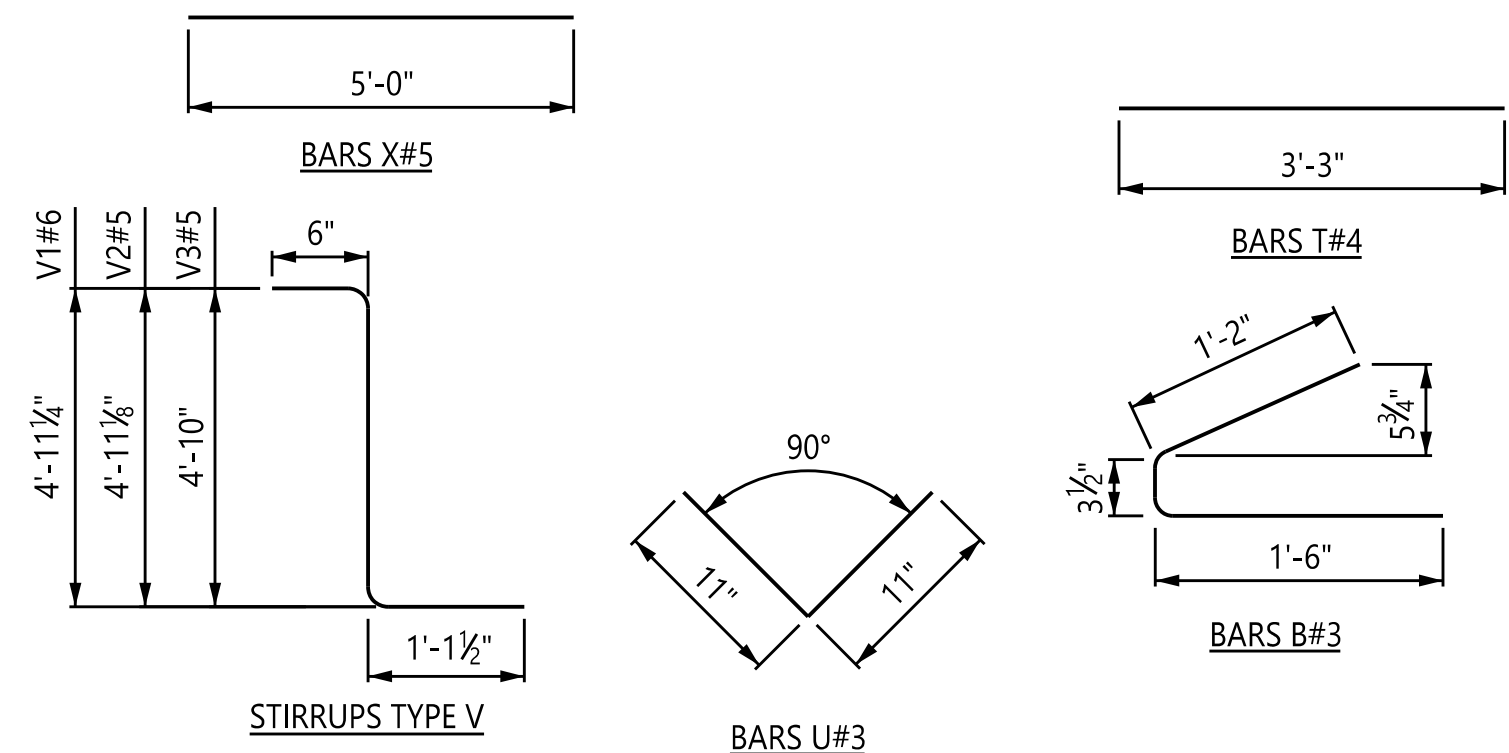
SECTION @  
END OF GIRDER  
SCALE: 1" = 1'-0"



SECTION BETWEEN  
END & HOLD DOWN  
SCALE: 1" = 1'-0"



SECTION BETWEEN  
HOLD DOWN POINTS  
SCALE: 1" = 1'-0"

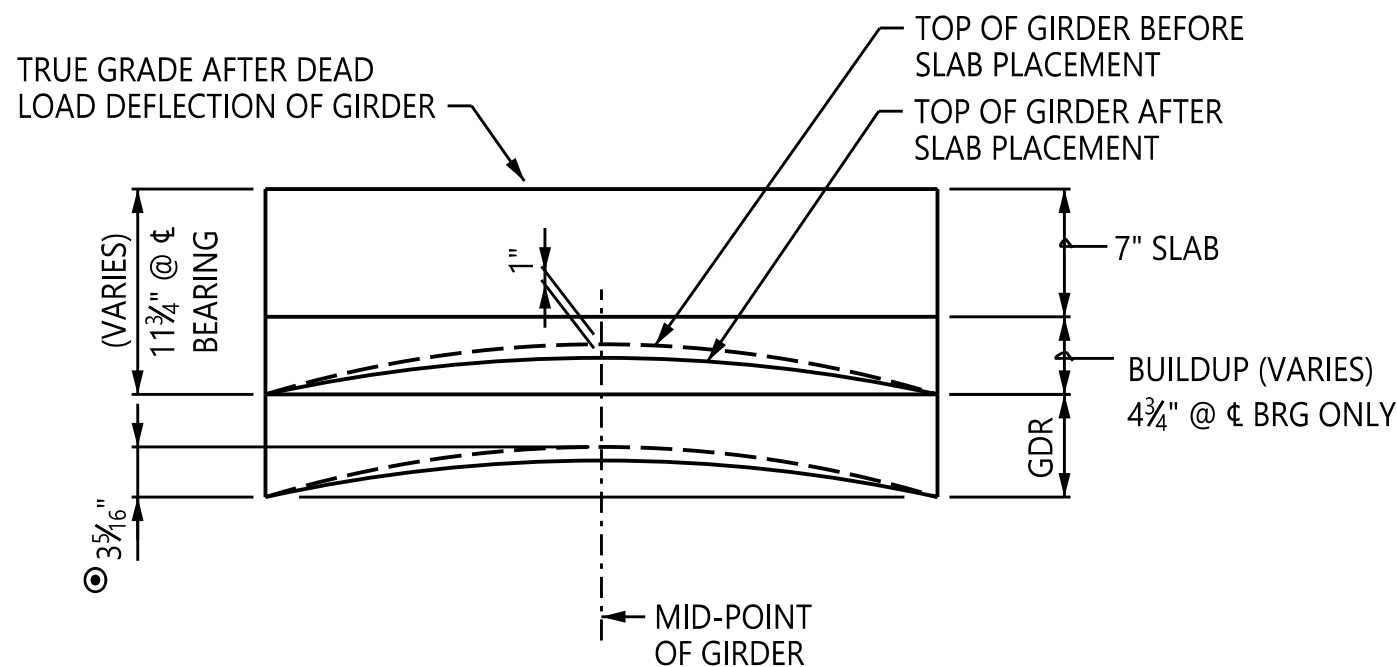


BAR DETAILS  
NTS

## GIRDER NOTES

- PRESTRESSING STRANDS, EXCEPT TIE STRANDS, SHALL BE 0.6" DIAMETER LOW RELAXATION WITH AN ULTIMATE TENSILE STRENGTH OF 270,000 PSI, ALL STRANDS, EXCEPT TIE STRANDS, SHALL HAVE AN INITIAL TENSION OF 43,940 LBS PER STRAND.
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- SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1 FOR HOLE DETAILS AT HOLD DOWN POINTS.
- SEE BRIDGE SPECIAL PROJECT DRAWING EBEW54 FOR EDGE BEAM DETAILS.

⊙ THEORETICAL CAMBER (UPWARD DEFLECTION) SHOWN. ACTUAL CAMBER OF GIRDER MAY VARY AND SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ORDERING MATERIAL AND SETTING FORMS.



DETAIL OF BUILD-UP BETWEEN  
BOTTOM OF SLAB AND TOP OF GDR (ALONG CL GDR)  
NTS



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## ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 8 OF 17

REVISIONS

PROJECT NO. SCP 59-904-19  
BRIDGE REPLACEMENT ON CR-61  
OVER BEESWAX CREEK  
AT STA 247+75.00

SHELBY COUNTY

GIRDER DETAILS - SPAN 2

BIN:

021594

ESTIMATED QUANTITIES	DESIGNED BY:	DSH	DRAWN BY:	CRP
COMPUTED BY:	CRP	CHECKED BY:	DATE DRAWN:	
VERIFIED BY:	DSH	DATE CHECKED:	SCALE:	

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15H

-----20TH POINT ELEVATIONS-----

SPAN	LOCATION	BEARING	1/20	2/20	3/20	4/20	5/20	6/20	7/20	8/20	9/20	10/20	11/20	12/20	13/20	14/20	15/20	16/20	17/20	18/20	19/20	BEARING
1	LEFT GUTTER	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720
1	GIRDER 1	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770
1	GIRDER 2	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923
1	¢ BRIDGE	415.976	415.974	415.973	415.971	415.971	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970	415.970
1	GIRDER 3	415.952	415.945	415.939	415.934	415.930	415.927	415.925	415.924	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923
1	GIRDER 4	415.858	415.836	415.818	415.803	415.790	415.781	415.774	415.771	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770
1	RIGHT GUTTER	415.827	415.801	415.779	415.760	415.745	415.733	415.725	415.721	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720

-----10TH POINT ELEVATIONS-----

SPAN	LOCATION	BEARING	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	BEARING
2	LEFT GUTTER	415.720	415.720	415.720	415.720	415.720	415.728	415.749	415.782	415.827	415.884	415.948
2	GIRDER 1	415.770	415.770	415.770	415.770	415.770	415.777	415.794	415.821	415.858	415.905	415.957
2	GIRDER 2	415.923	415.923	415.923	415.923	415.923	415.926	415.931	415.940	415.953	415.968	415.986
2	¢ BRIDGE	415.970	415.970	415.970	415.970	415.970	415.970	415.971	415.973	415.976	415.979	415.982
2	GIRDER 3	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923	415.923
2	GIRDER 4	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770	415.770
2	RIGHT GUTTER	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720	415.720

BKI

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NEW ORLEANS, LA 70119  
(504) 486-5901

ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 9 OF 17

PROJECT NO. SCP 59-904-19  
BRIDGE REPLACEMENT ON CR-61  
OVER BEESWAX CREEK  
AT STA 247+75.00

SHELBY COUNTY

INCREMENTAL ELEVATIONS  
AT FINISH GRADE

ESTIMATED QUANTITIES

DESIGNED BY: DSH

DRAWN BY: CRP

COMPUTED BY: CRP

CHECKED BY: .

DATE DRAWN: .

VERIFIED BY: DSH

DATE CHECKED: .

SCALE: .

BIN:

021594

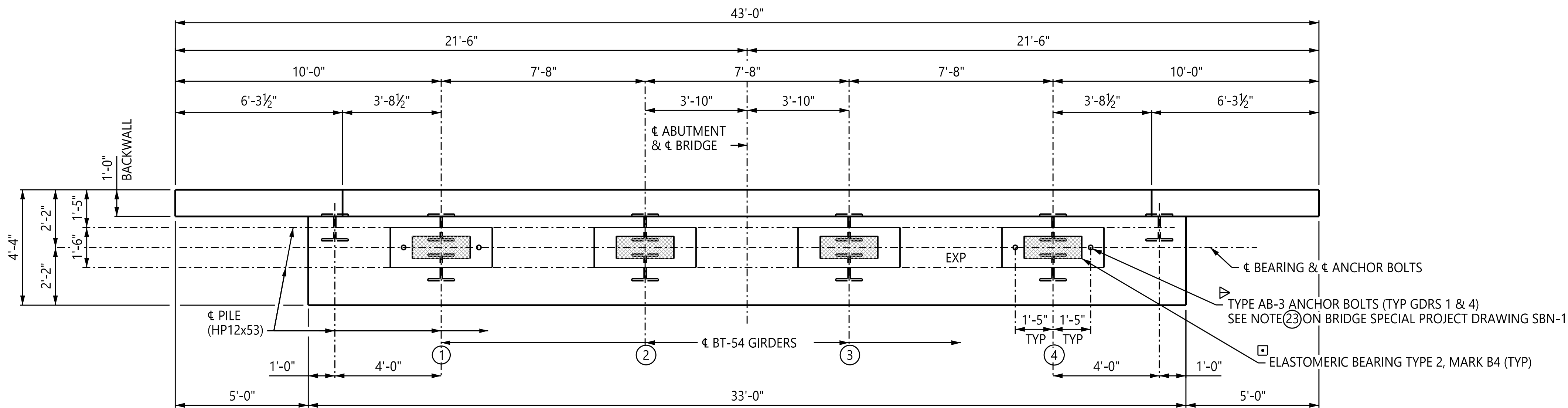


2'-0"  
1'-0"  
0  
SHEET REFERENCE

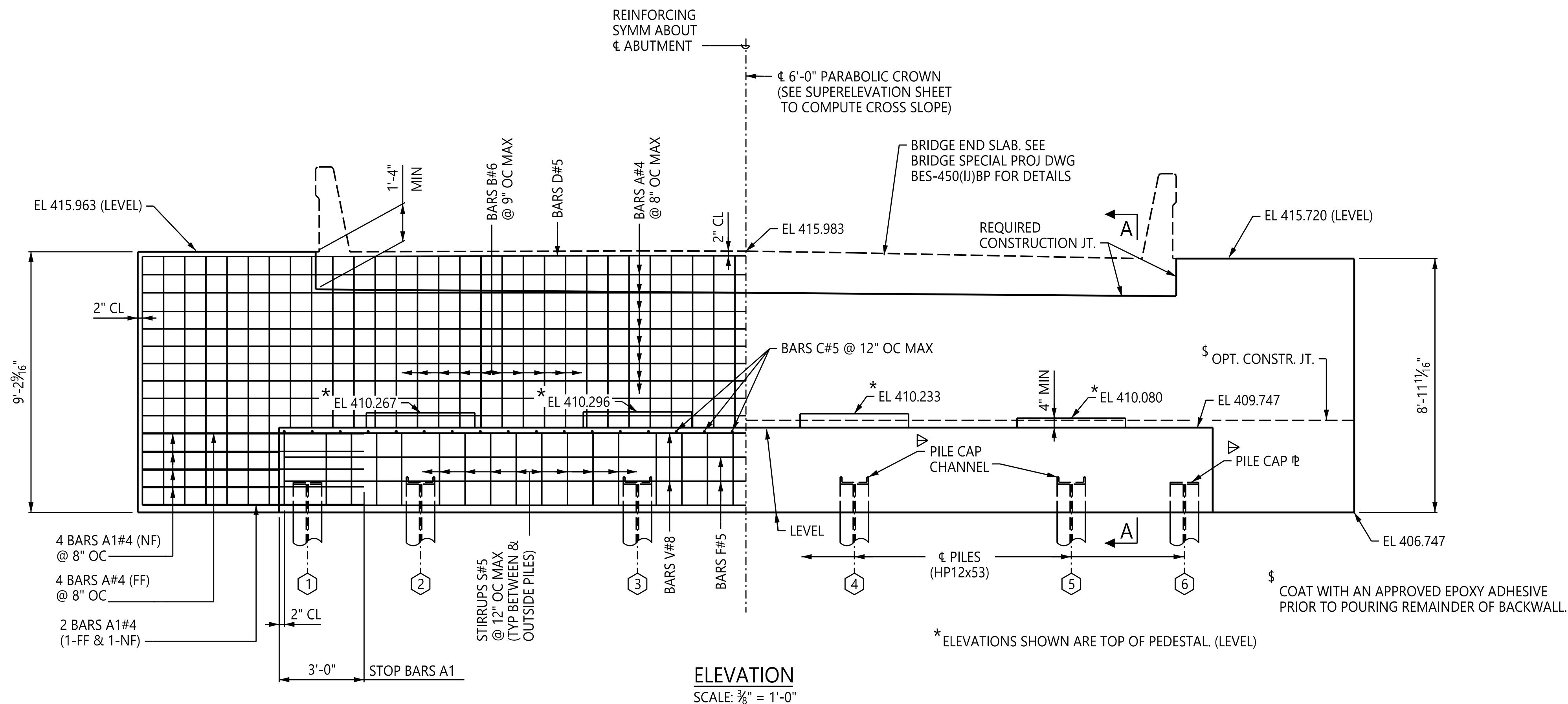
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Plot: 8x11 SYSTEM DATE & TIME

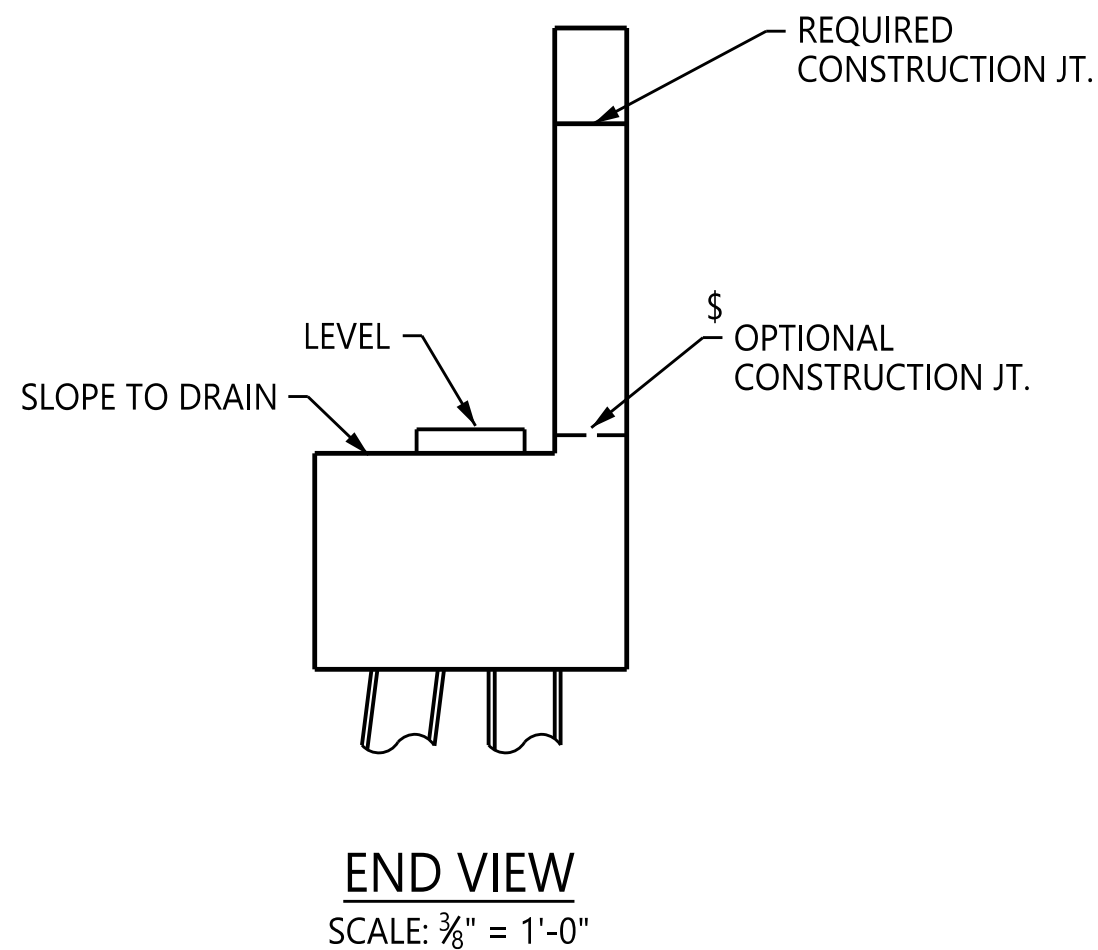
REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-904-19	2025	15J



PLAN  
SCALE:  $\frac{3}{8}$ " = 1'-0"



ELEVATION  
SCALE:  $\frac{3}{8}$ " = 1'-0"



END VIEW  
SCALE:  $\frac{3}{8}$ " = 1'-0"

## NOTES

1. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1 FOR DETAILS.
2. SEE BRIDGE SHEET 12 FOR SECTION A-A, PEDESTAL DETAILS, REINFORCING & REINFORCING SCHEDULE.
3. FABRICATE ALL BARS B TO THE SAME LENGTH, MAINTAIN 2" CONCRETE COVER AT TOP OF BARS.
4. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1 FOR DETAILS.
5. ALL REINFORCING STEEL SHALL BE GRADE 60.
6. FOR PILE SPLICE NOTE SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.

ESTIMATED QUANTITIES					
4290	LBS	502A	STEEL REINFORCEMENT		
469	LBS	508A	STRUCTURAL STEEL		
25.5	CU YDS	510A	SUBSTRUCTURE CONCRETE		



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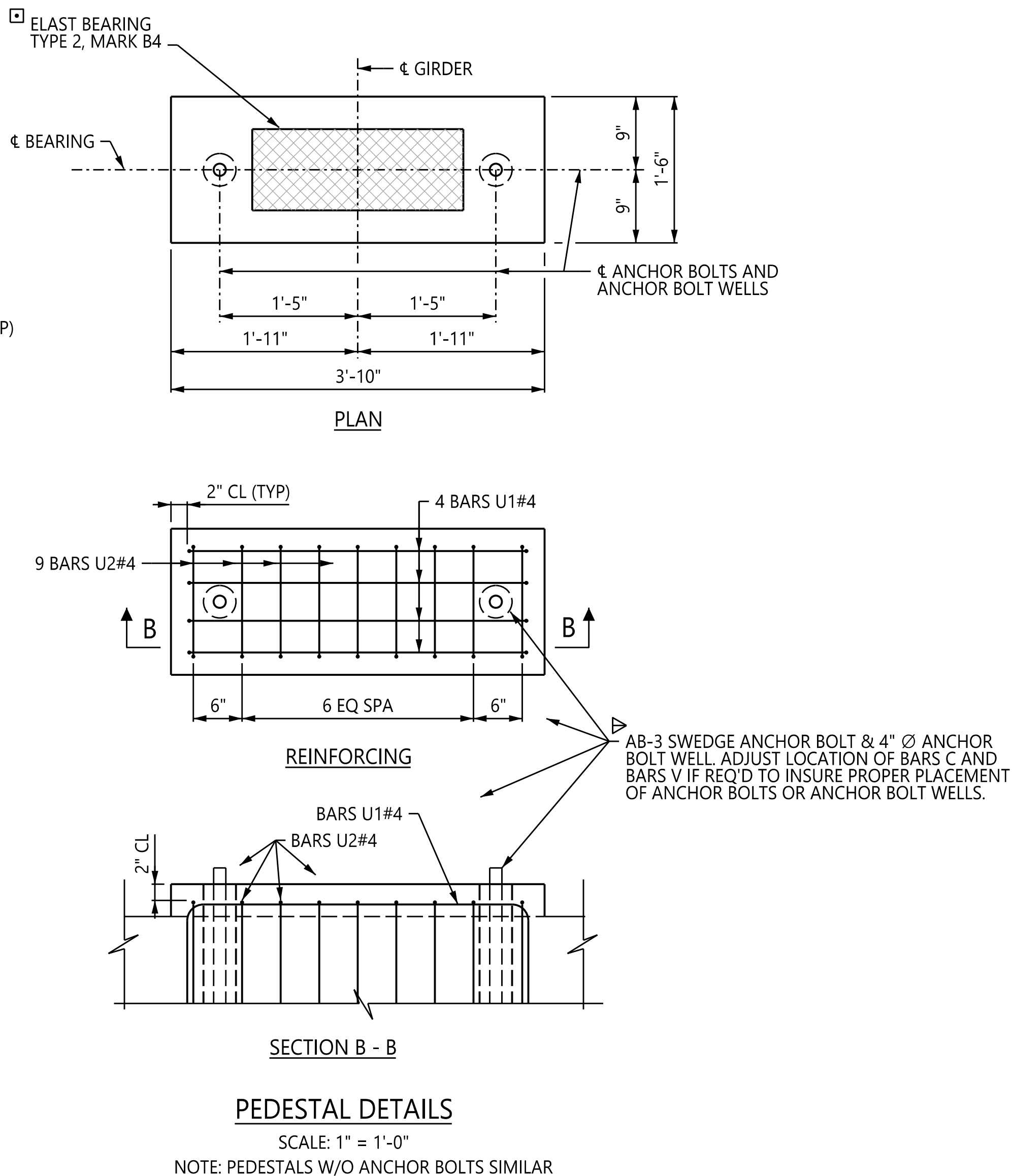
## ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 11 OF 17		PROJECT NO. SCP 59-904-19		
REVISIONS		BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00		
		SHELBY COUNTY		
		ABUTMENT 3		
		ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY: C
SIN:	021594	COMPUTED BY: CRP	CHECKED BY: •	DATE DRAWN:
		VERIFIED BY: DSH	DATE CHECKED: •	SCALE:

BIN: 021594

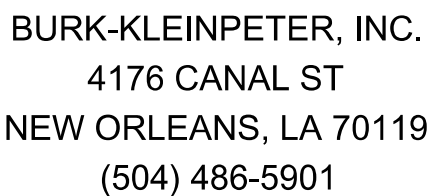


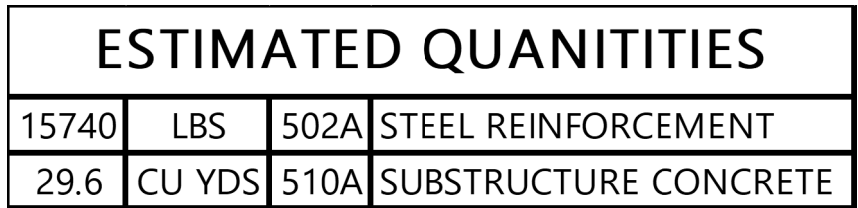
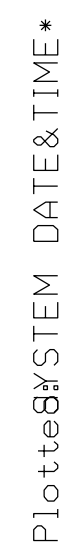
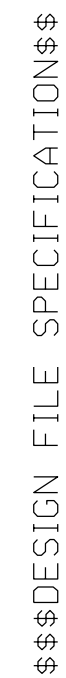
ALABAMA DEPARTMENT OF TRANSPORTATION							
BRIDGE SHEET NO. 12 OF 17		PROJECT NO. SCP 59-904-19					
REVISIONS		BRIDGE REPLACEMENT ON CR-61					
		OVER BEESWAX CREEK					
		AT STA 247+75.00					
		SHELBY COUNTY					
		ABUTMENT 1 & 3 DETAILS					
		ESTIMATED QUANTITIES		DESIGNED BY:	DSH	DRAWN BY:	CRF
		COMPUTED BY: CRF		CHECKED BY:	• DATE DRAWN:		•
BIN:		021594		VERIFIED BY: DSH	DATE CHECKED:		• SCALE:
						•	



➤ 1. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1 FOR DETAILS.

▣ 2. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1 FOR DETAILS.





- 1. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1.
- ☐ 2. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1.
- \$ 3. FOR SECTIONS A-A, B-B, C-C & PEDESTAL DETAILS, SEE BRIDGE SHEET 14.
4. ALL REINFORCING SHALL BE GRADE 60.
5. BOTTOM OF SHAFT ELEVATION SHALL NOT BE ALTERED WITHOUT APPROVAL OF BRIDGE ENGINEER.
- % 6. THE LAP ON THE HOOPS SHALL BE STAGGERED.
- △ 7. A MINIMUM EMBEDMENT OF 2.5 SHAFT DIA IN COMPETENT BEDROCK IS REQD FOR EACH SHAFT.
8. COMPETENT ROCK IS EXPECTED TO BE FOUND AT OR AROUND EL 379.0. IF COMPETENT ROCK IS DISCOVERED BELOW THIS ELEVATION THE ENGINEER SHALL BE NOTIFIED AND DESIGN MAY CHANGE.
9. IF VOIDS OR CLAY SEAMS ARE ENCOUNTERED AT DRILLED SHAFT BEARING ELEVATIONS IT WILL BE NECESSARY TO EXTEND THE DRILLED SHAFT TO SUITABLE ROCK IN ACCORDANCE WITH THE DIRECTIONS OF THE GEOTECHNICAL ENGINEER.
10. ONE PROBE HOLE SHALL BE PERFORMED IN ACCORDANCE WITH ALDOT STD SPEC 506.03(f)3 AT EACH SHAFT AND SHALL EXTEND A MIN OF 10 FEET BELOW SHAFT BOTTOM TO DOCUMENT THAT SHAFTS WILL BEAR ON CONTINUOUS BEDROCK.
- # 11. CONTRACTOR MAY EXTEND PERMANENT CASING ABOVE GROUND ELEVATION IF NECESSARY TO PROTECT SHAFT FROM FLOODING DURING INSTALLATION.

1'-2"

3'-6"

U1

U2

1'-7"

BARS TYPE U

3'-1 3/4"

4'-2"

STIRRUPS S

7'-10"

LAP

4'-0"

HOOPS H

29'-6"

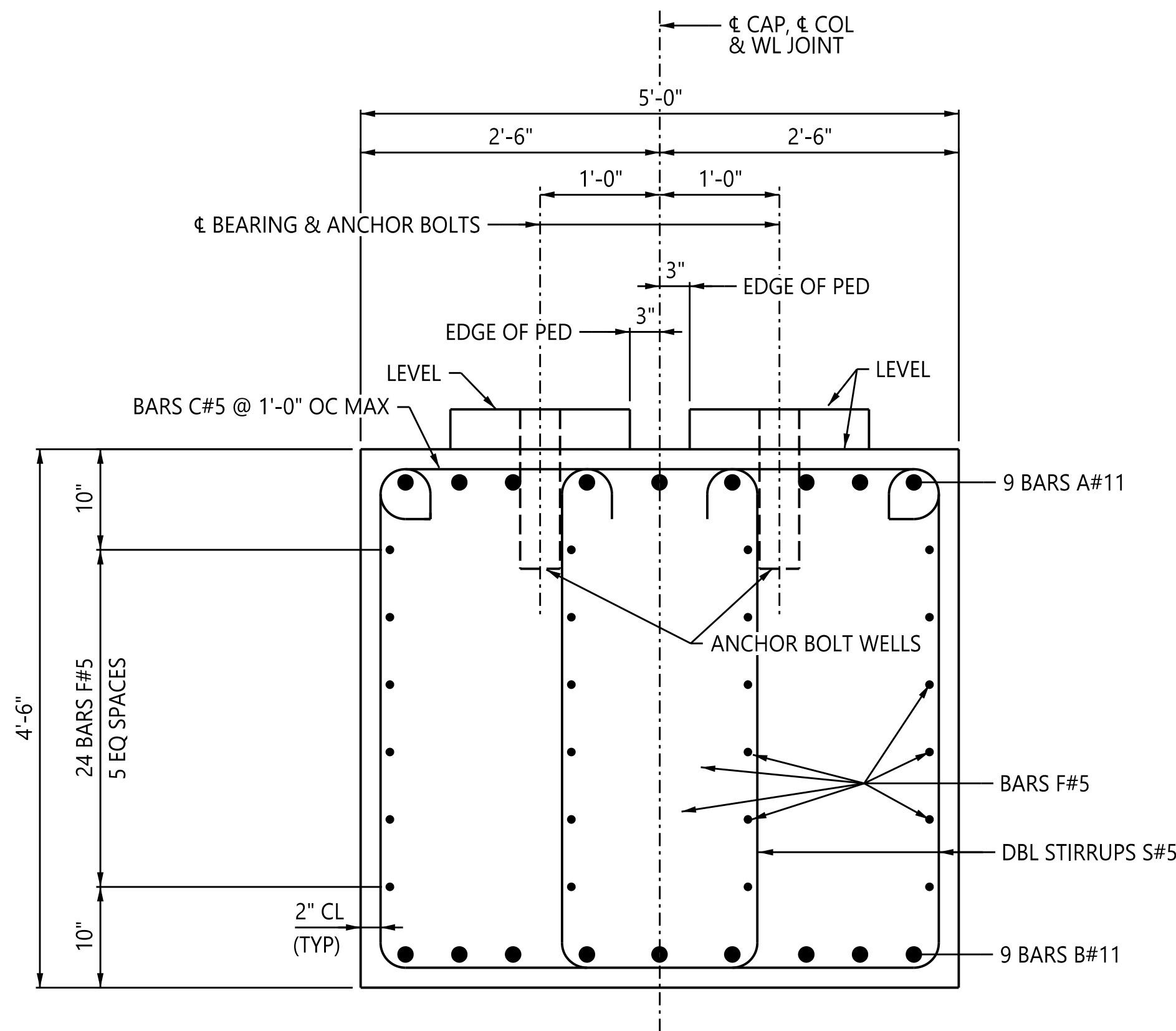
4'-8"

A

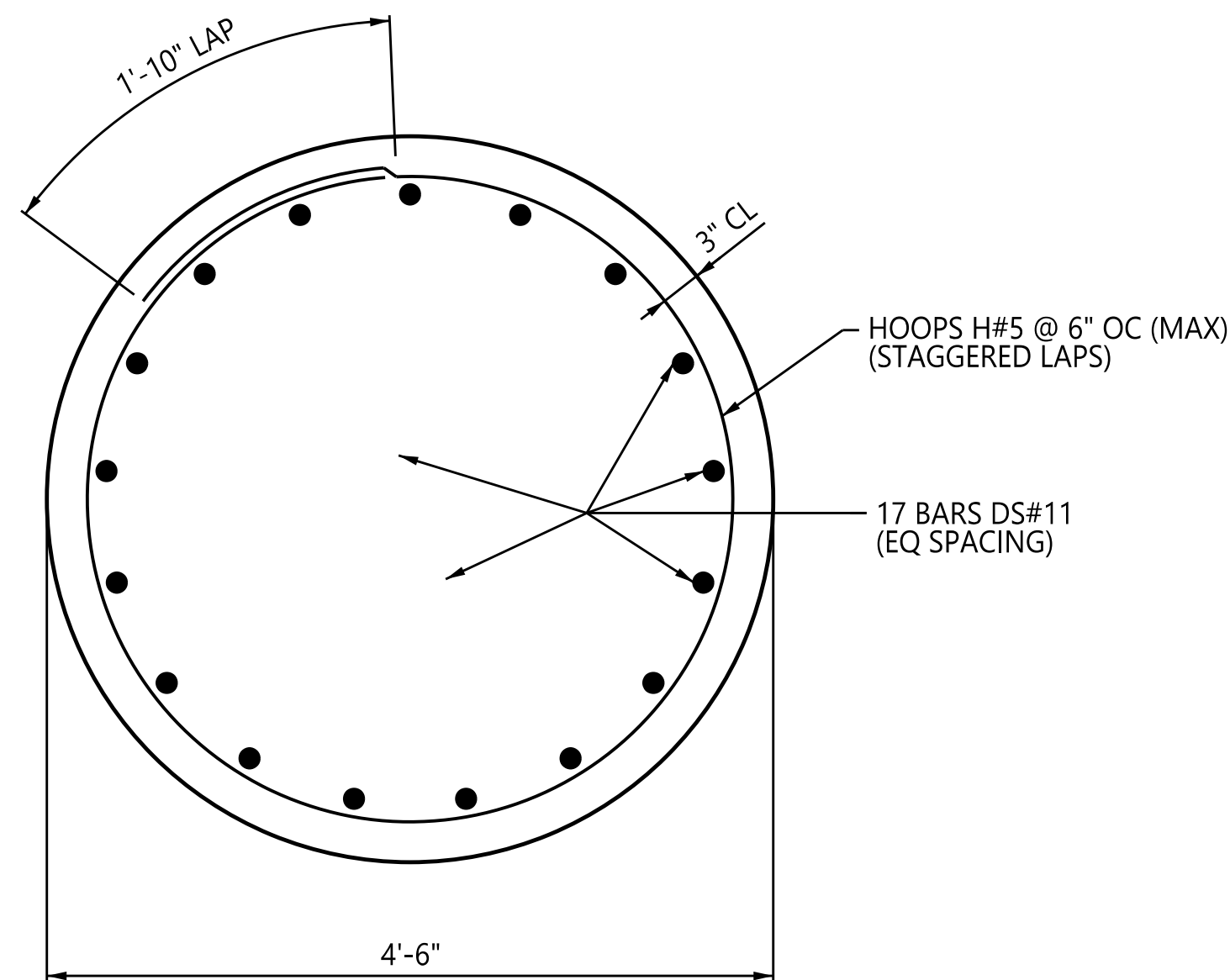
C

BARS A & C

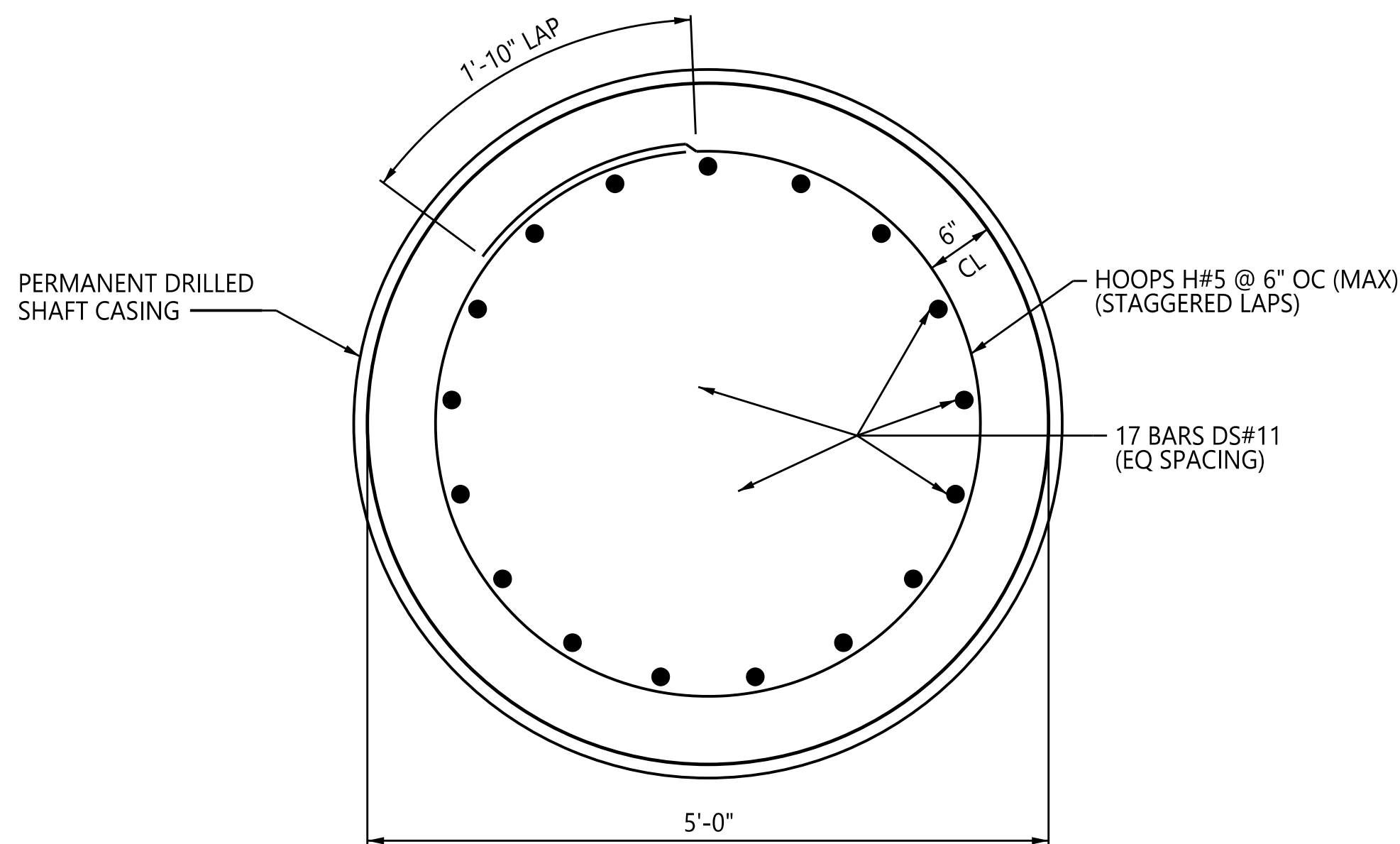
ALABAMA DEPARTMENT OF TRANSPORTATION				
BRIDGE SHEET NO. 13 OF 17		PROJECT NO. SCP 59-904-19		
REVISIONS		BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA 247+75.00		
		SHELBY COUNTY		
		BENT 2		
ESTIMATED QUANTITIES		DESIGNED BY:	DSH	DRAWN BY: CRT
COMPUTED BY:	CRT	DATE CHECKED:	• DATE DRAWN: •	
VERIFIED BY:	DSH	DATE CHECKED:	• SCALE: •	
BIN:	021594			



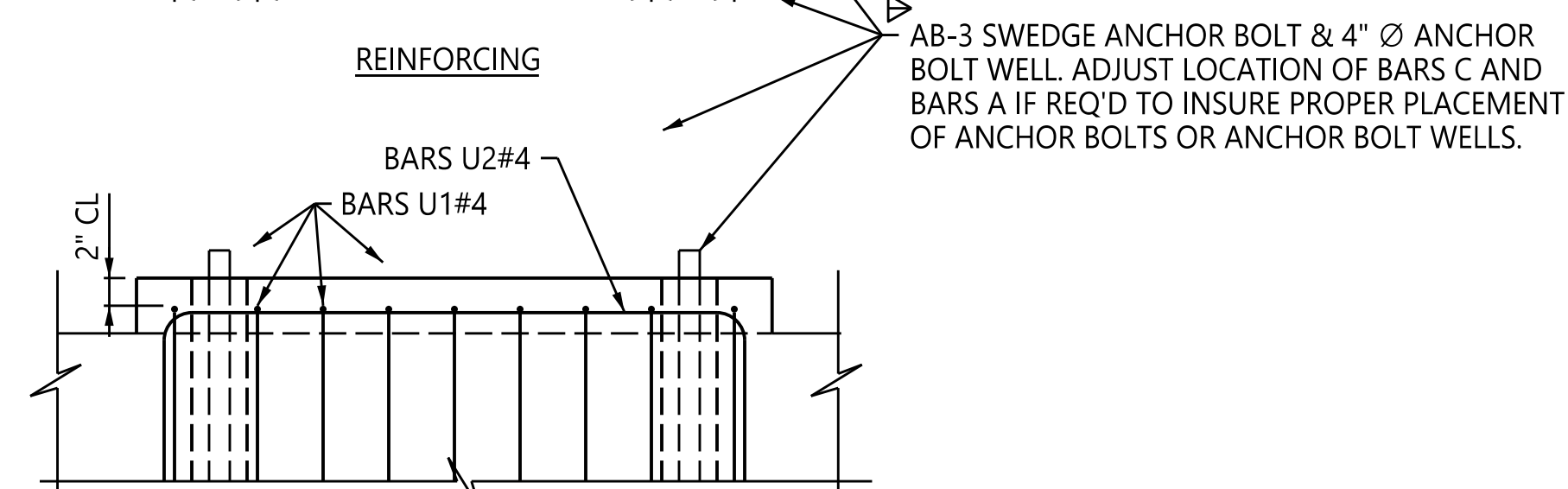
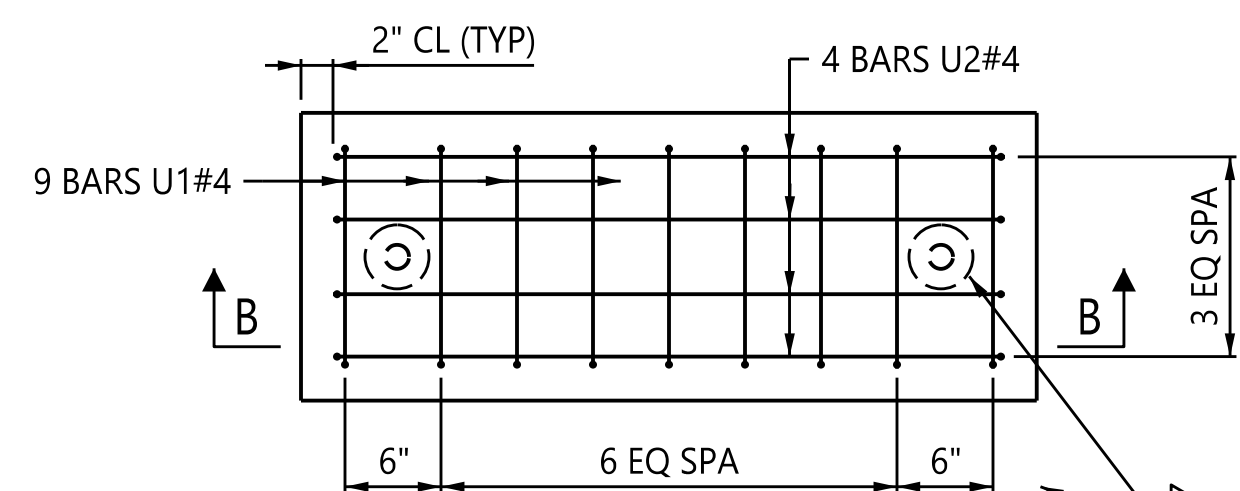
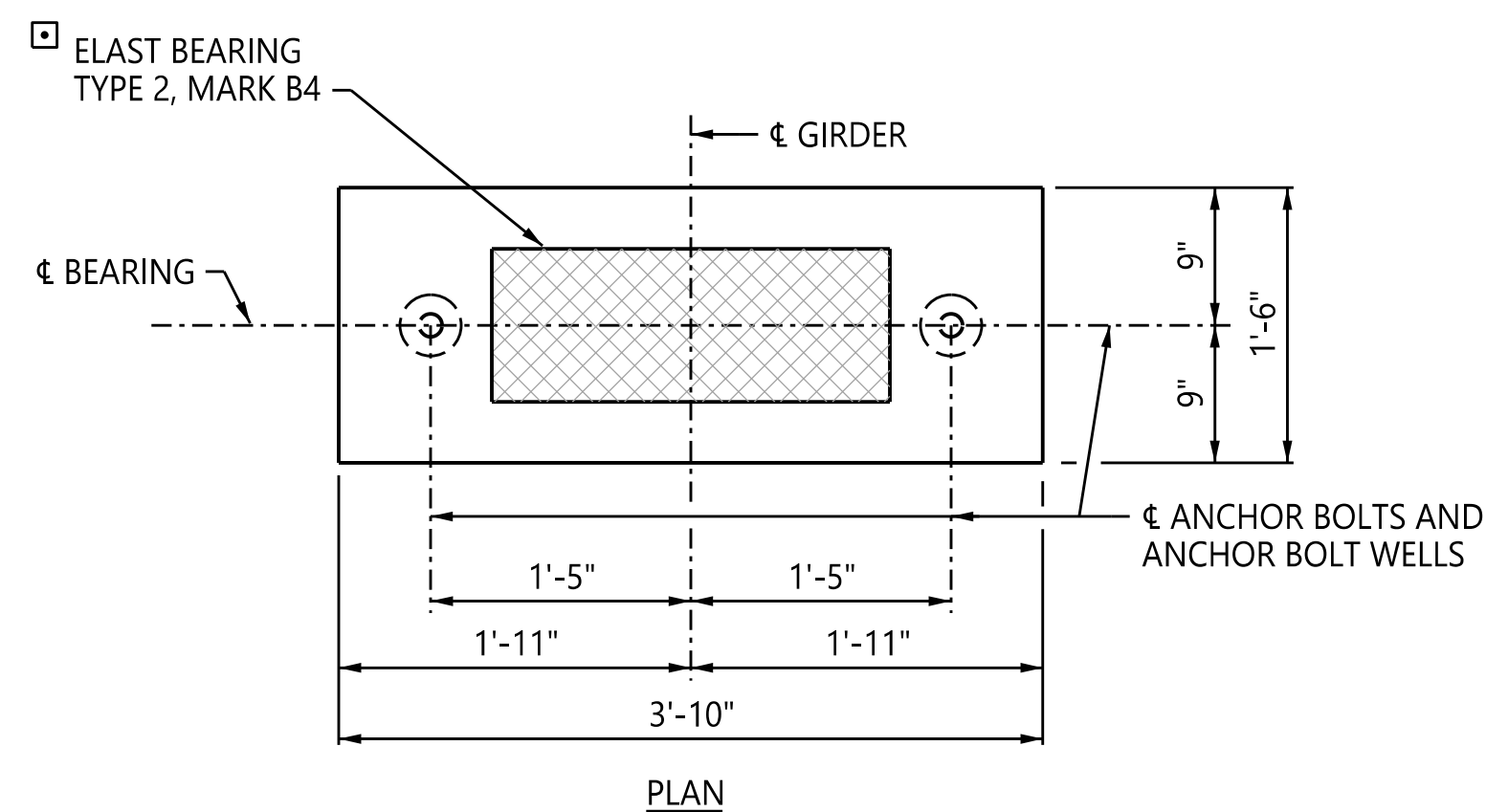
SECTION A - A  
SCALE: 1" = 1'-0"



SECTION B - B  
SCALE: 1" = 1'-0"



SECTION C - C  
SCALE: 1" = 1'-0"



PEDESTAL DETAILS  
SCALE: 1" = 1'-0"

NOTES:

- 1. SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1 FOR DETAILS.
- 2. SEE BRIDGE SPECIAL PROJECT DRAWING SPGD-1 FOR DETAILS.

ALABAMA DEPARTMENT OF TRANSPORTATION

BRIDGE SHEET NO. 14 OF 17  
PROJECT NO. SCP 59-904-19  
BRIDGE REPLACEMENT ON CR-61  
OVER BEESWAX CREEK  
AT STA 247+75.00

SHELBY COUNTY

BENT 2 DETAILS

ESTIMATED QUANTITIES	DESIGNED BY: DSH	DRAWN BY: CRP
COMPUTED BY: CRP	CHECKED BY: DSH	DATE DRAWN: 10/1/2025
VERIFIED BY: DSH	DATE CHECKED: 10/1/2025	SCALE: 1" = 1'-0"



BURK-KLEINPETER, INC.  
4176 CANAL ST  
NEW ORLEANS, LA 70119  
(504) 486-5901

BIN: 021594



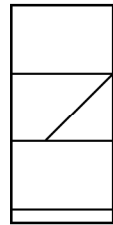




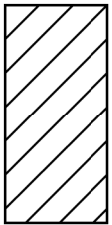
PROJECT NO.	FISCAL YEAR	SHEET NO.
SCP 59-904-19	2025	15P

CORING LOG NO. B-4; STA 248+86 / 6 ft LT of CL										Page 1 of 1		
PROJECT: Bridge Replacement and Approached on CR-61 Over Beeswax Creek Shelby County, Alabama					CLIENT: Shelby County AL Highway Department Columbiana, AL							
GRAPHIC LOG	LOCATION			DEPTH (ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	RECOVERY %	ROD %	WATER CONTENT (%)	ATTERBERG LIMITS	PERCENT FINES
	Northing: 1159407.14 Easting: 2261110.64										LL-PL-PI	
	Surface Elev.: 402 (ft.)											
	ELEVATION (ft.)											
	CLAYEY SAND WITH GRAVEL (SC), yellowish brown, loose											
	10-1-1 N=2										16.8	
	3-2-1 N=3										43.8	
	4-50/5" N=50+										43.1	
	12.5 Auger deflecting along sloping rock at 12.5'. Rock Coring initiated at 12.5'										389.5	
	14.0 DOLOMITE, hard										388	
15.0 Clay filled cavity or void.												
19.0 DOLOMITE, hard			383									
19.5 Clay filled cavity or void.			382.5									
22.0 DOLOMITE, gray, hard, weathered staining at fractures			380									
25.0												
28.0 Clay filled cavity or void.			374									
31.5 DOLOMITE, gray, hard, weathered staining at fractures			370.5									
37.0 Clay filled cavity or open void.			365									
43.0 Coring Terminated at 43 Feet Due to Binding Coring Rods			359									
Stratification lines are approximate. In-situ, the transition may be gradual.												
Advancement Method: Continuous flight auger / NQ coring				Notes:								
Abandonment Method: Boring backfilled with auger cuttings upon completion.												
WATER LEVEL OBSERVATIONS				Boring Started: 01-27-2021				Boring Completed: 01-27-2021				
Water observed at 3' during drilling				Drill Rig: CME 55				Driller: Smith Drilling				
				Project No.: E1205276								

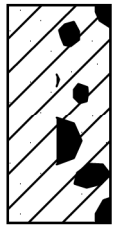
Legend



Dolomite



Clay



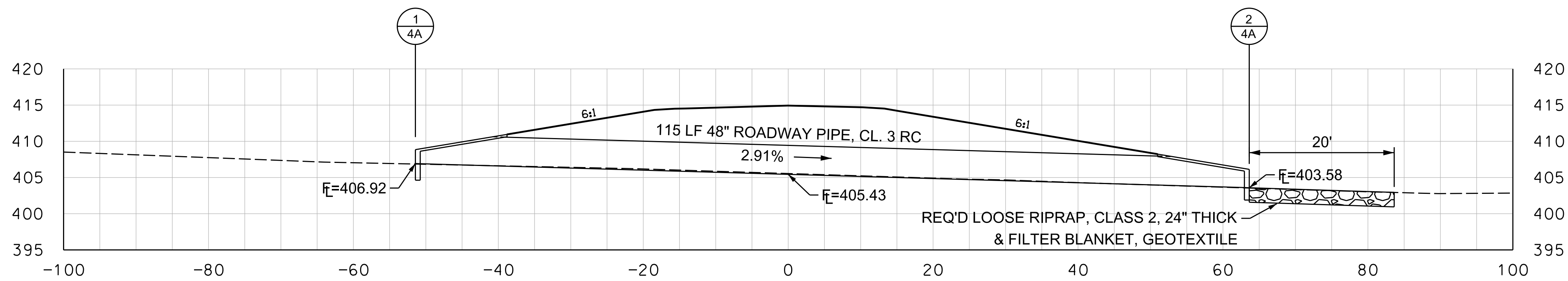
Clayey Sand  
with Gravel



BRIDGE SHEET NO. 17 of 17	ALABAMA DEPARTMENT OF TRANSPORTATION
<b>Terracon</b>	PROJECT NO. SCP 59-904-19 BRIDGE REPLACEMENT ON CR-61 OVER BEESWAX CREEK AT STA. 247+75.00 SHELBY COUNTY, ALABAMA
APPROVED: BRYAN C. RITENOUR, P.E.	
GEOTECHNICAL ENGINEER	PRELIMINARY PROJ. NO. SCP 59-904-19
DATE: AUGUST 18, 2021	TEST BORING RECORD SHEET 2 of 2

DRAINAGE SECTION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	17



9+51

(CR-77)

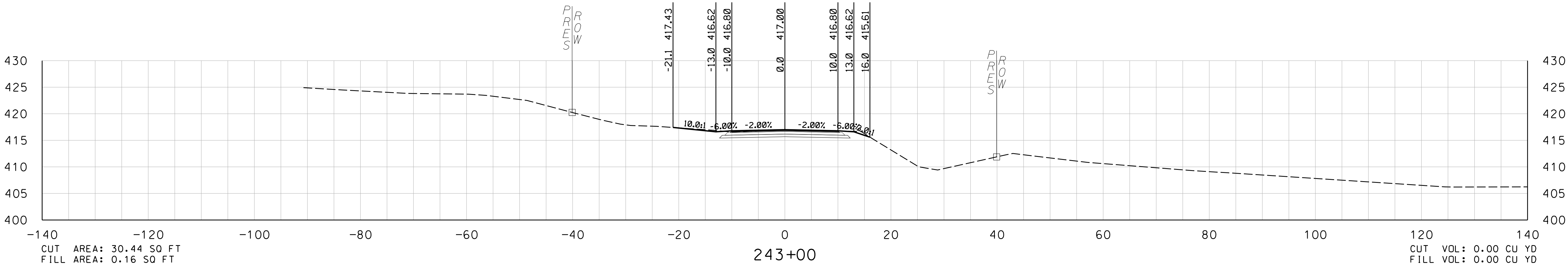
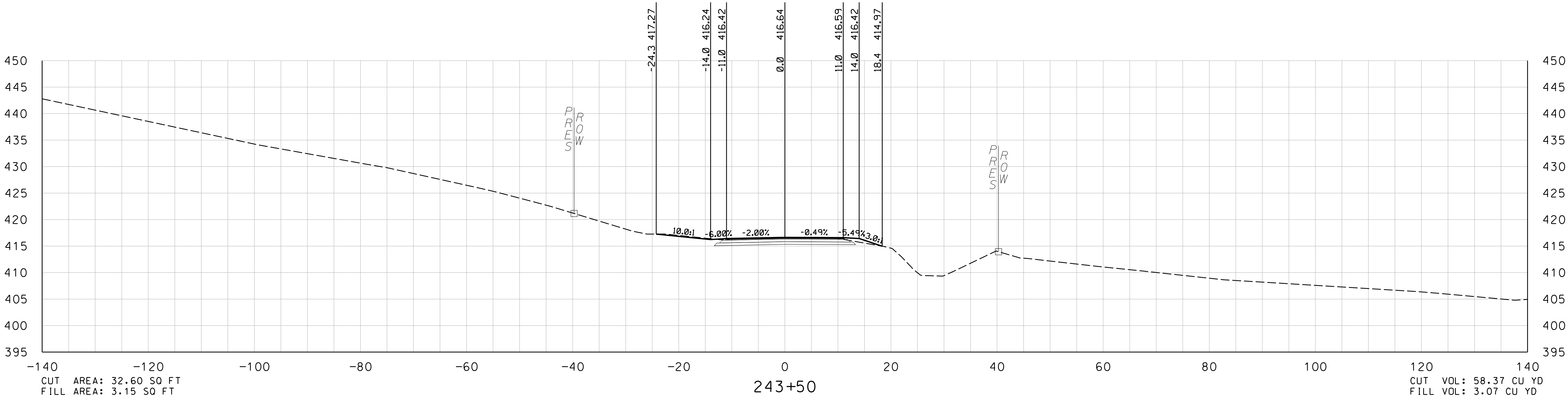
SKEW 0°

REQD: 2 - 48" ROADWAY PIPE END TREATMENT, CL. 1 (STRUCTURES 1 & 2)  
115 LIN FT ROADWAY PIPE, CL. 3 RC (STRUCTURE 1-2)

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	18

CR-61

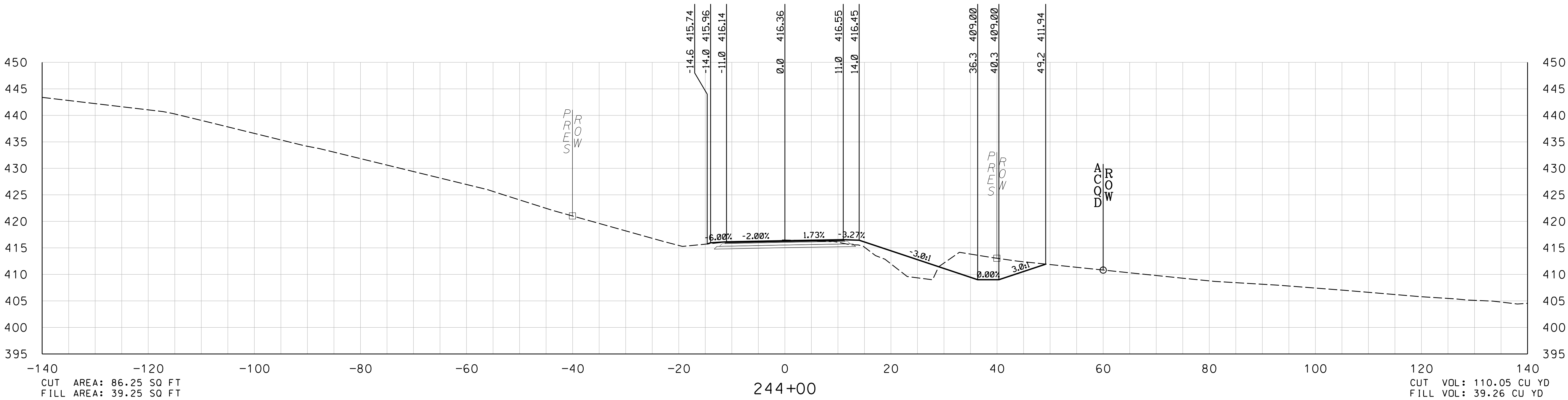
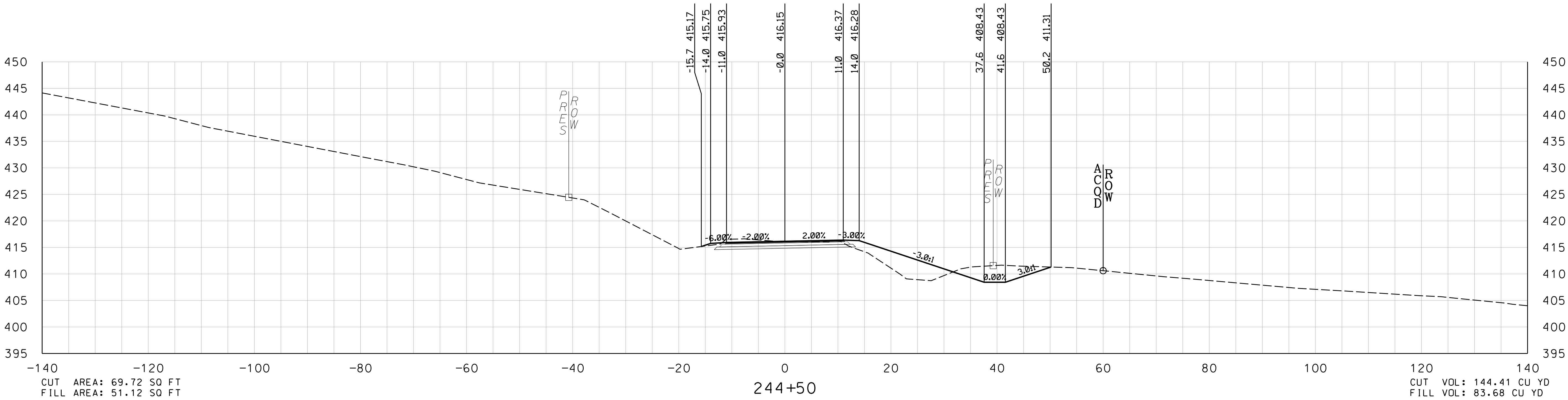




CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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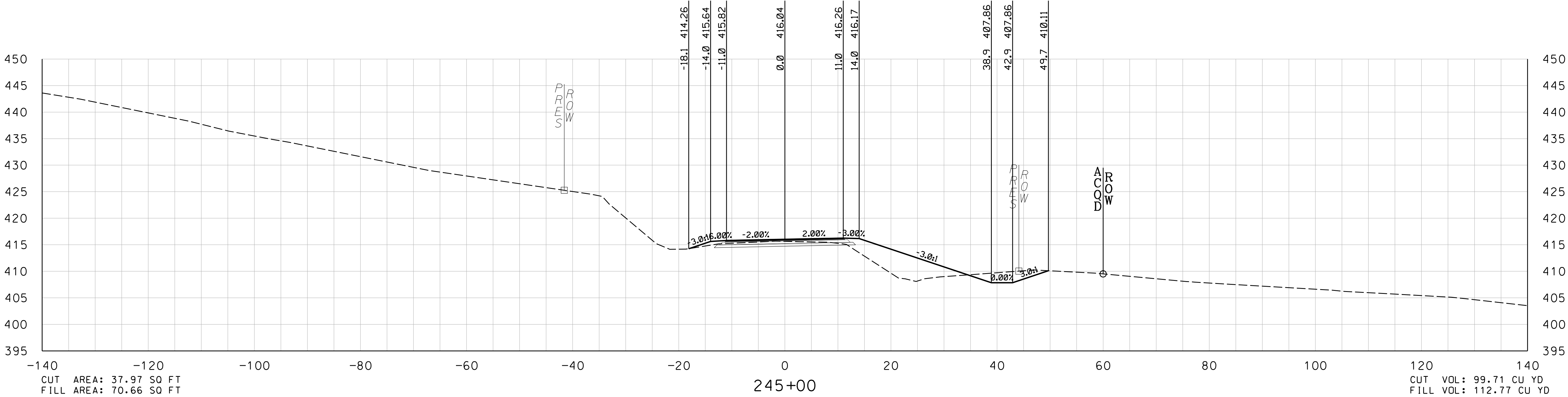
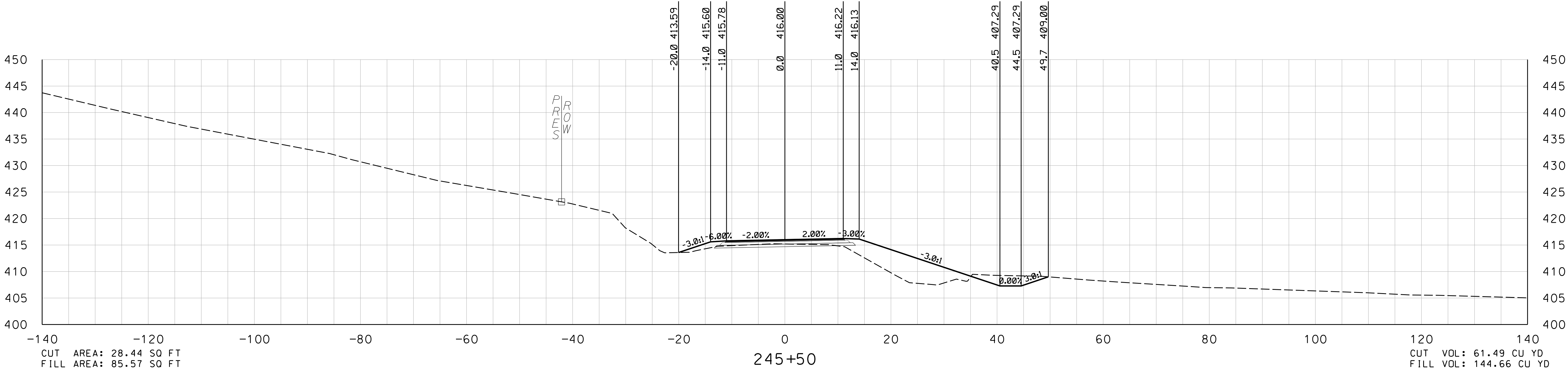
CR-61



CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	20

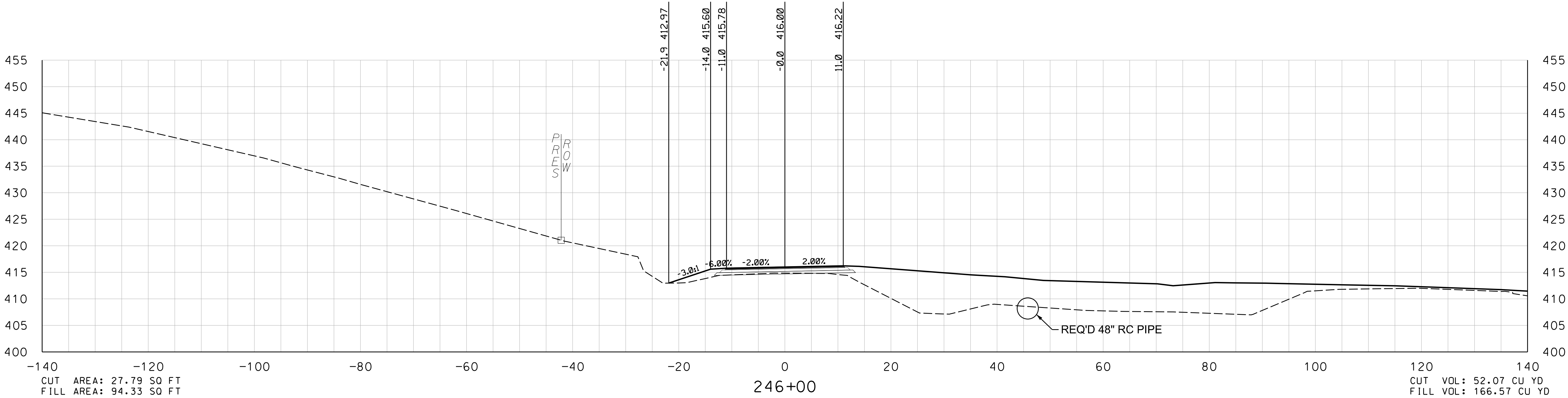
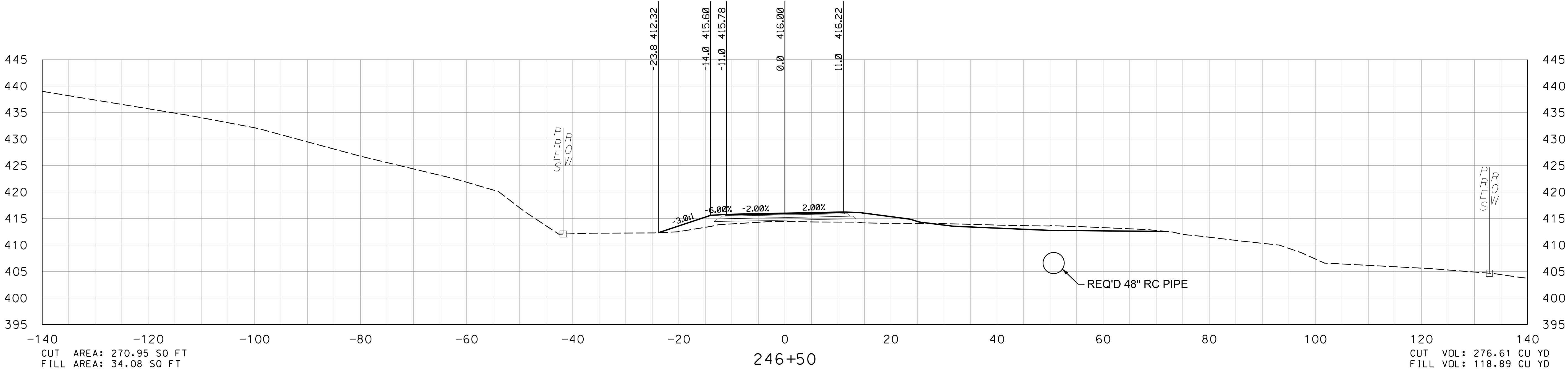
CR-61



CROSS SECTIONS

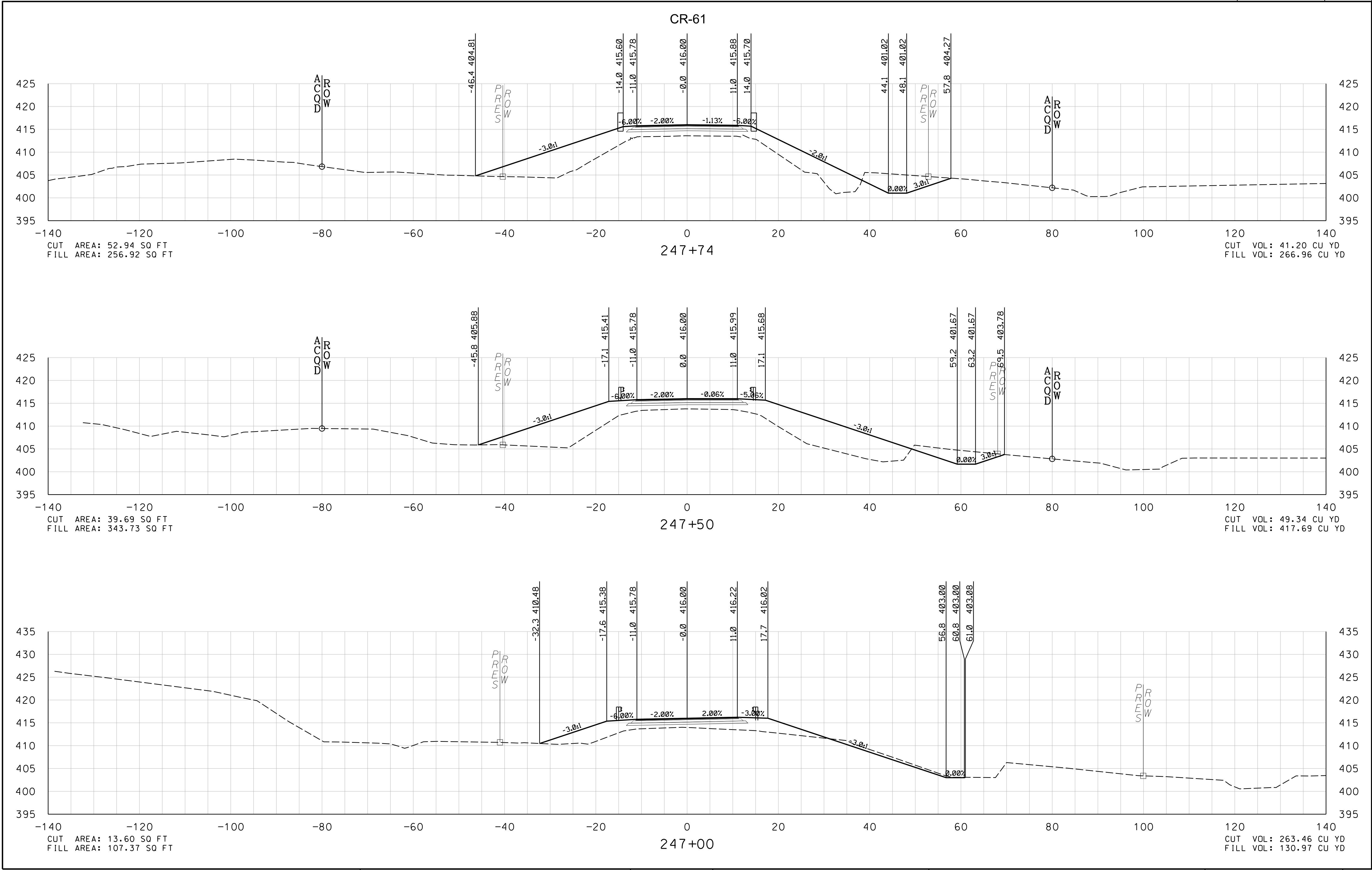
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SCP 59-904-19	2025	21

CR-61



CROSS SECTIONS

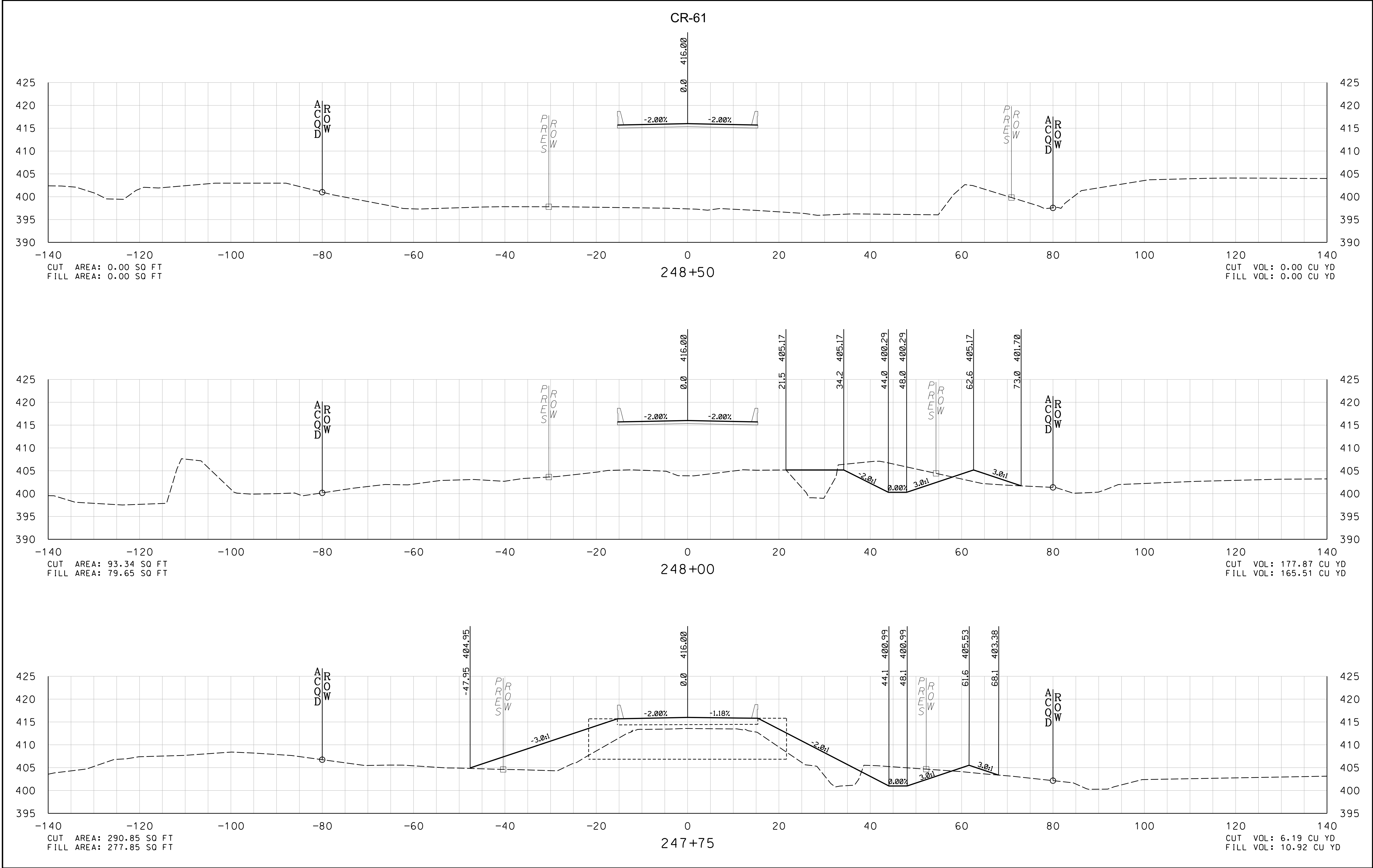
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SCP 59-904-19	2025	22





CROSS SECTIONS

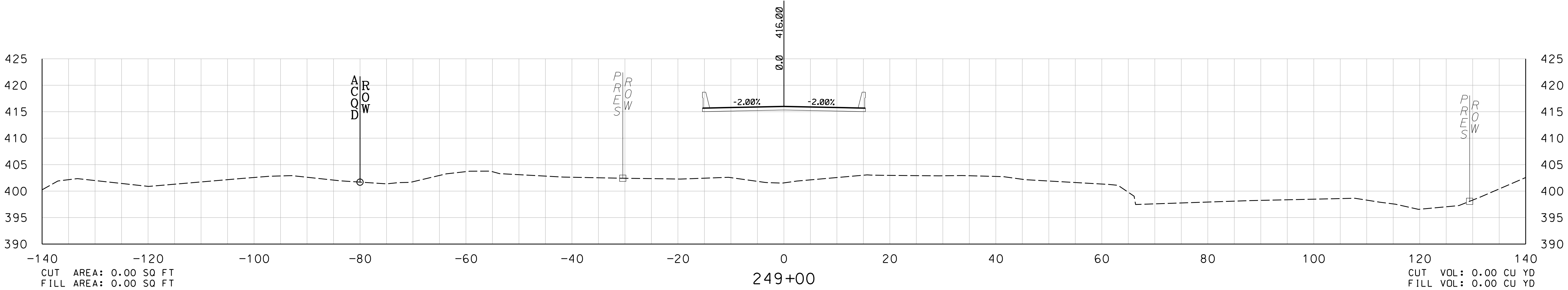
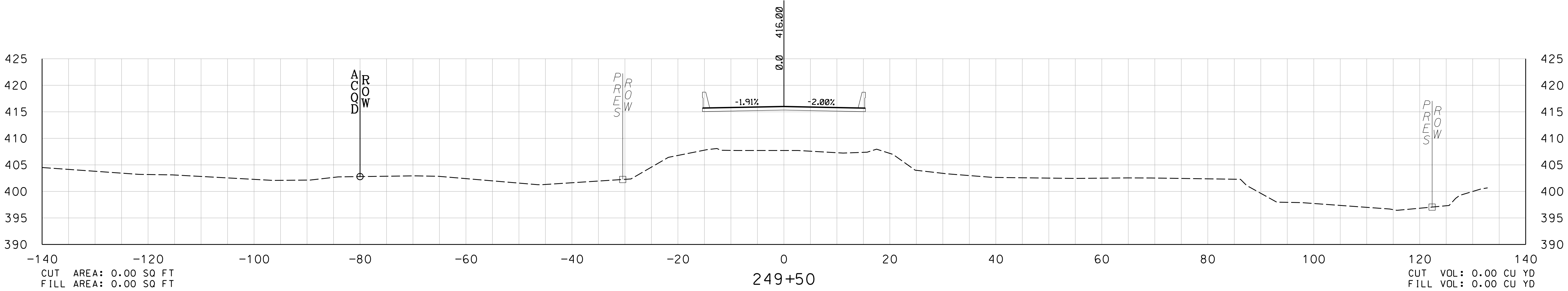
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SCP 59-904-19	2025	23



CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	24

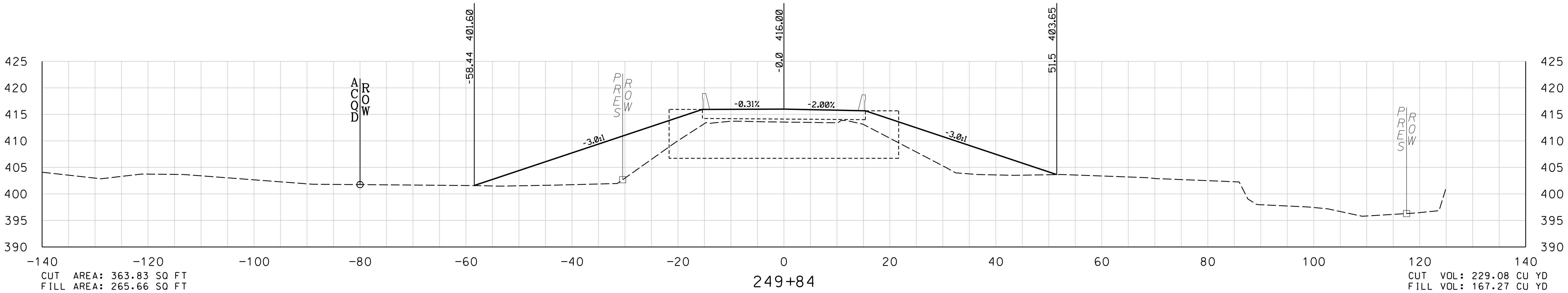
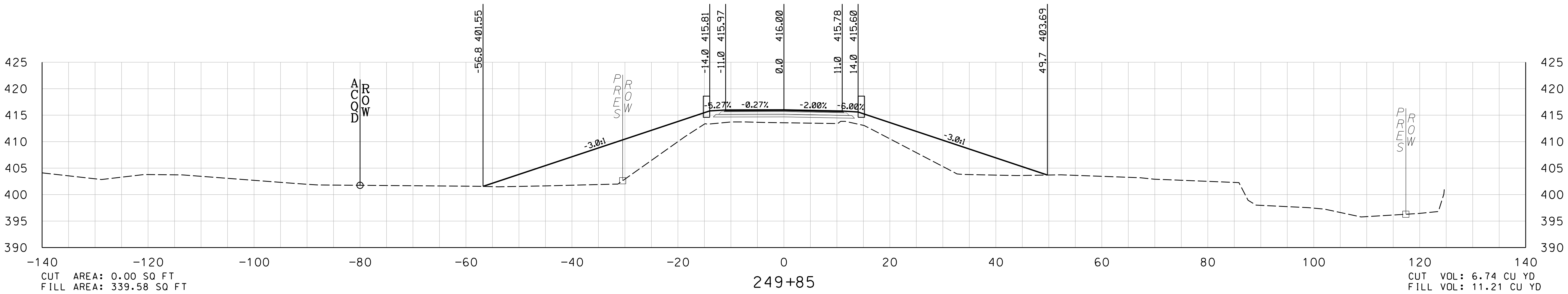
CR-61



CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	25

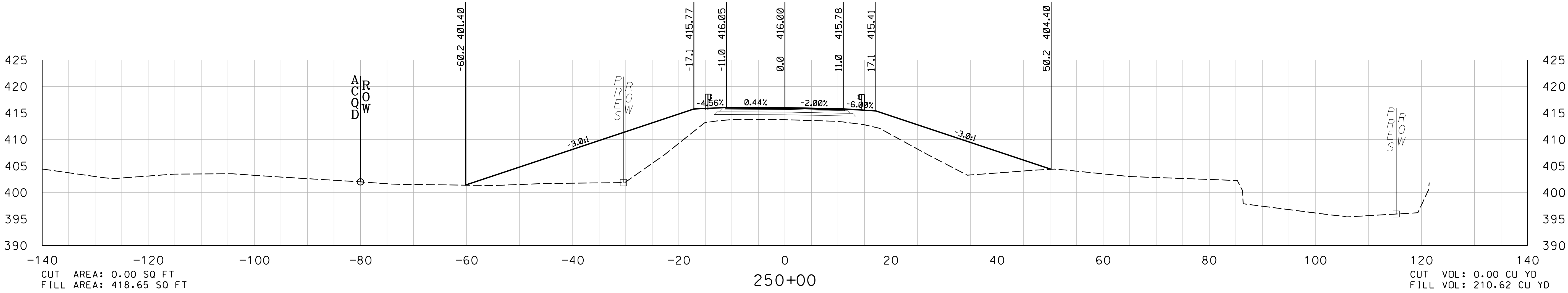
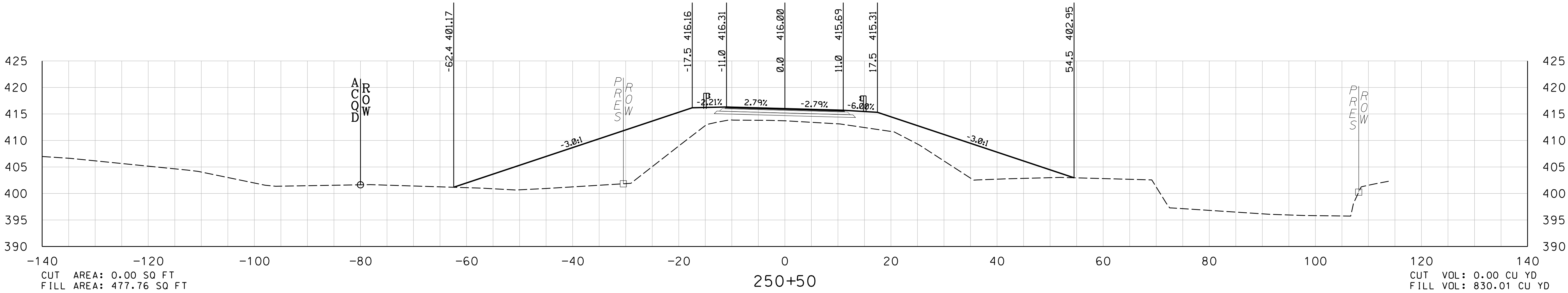
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CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	26

CR-61

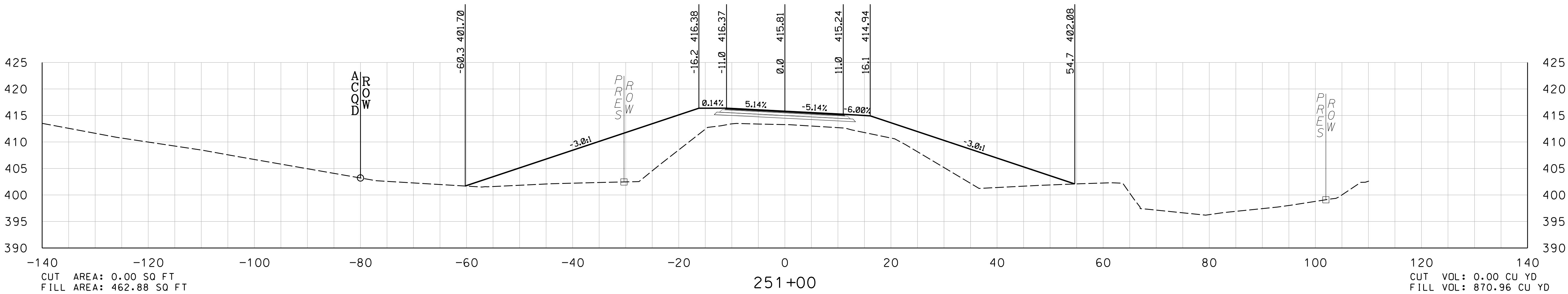
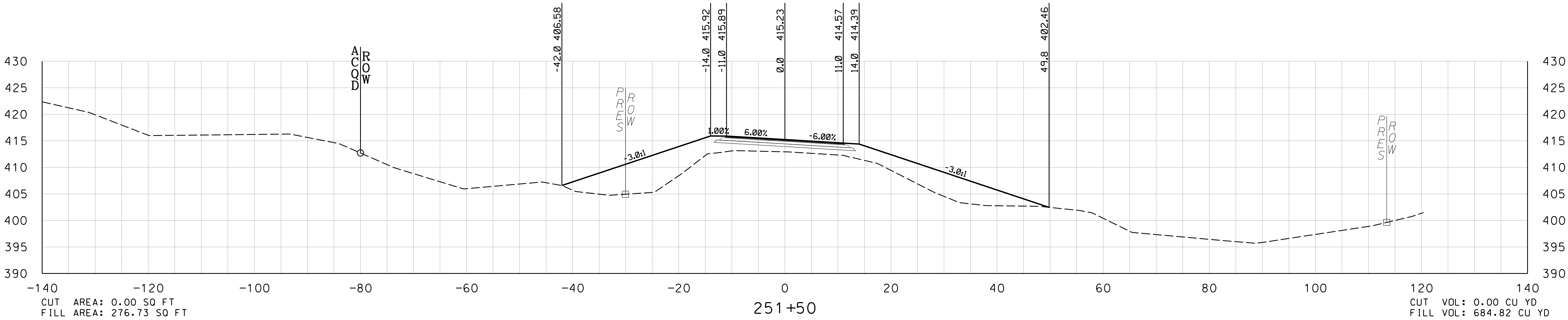




CROSS SECTIONS

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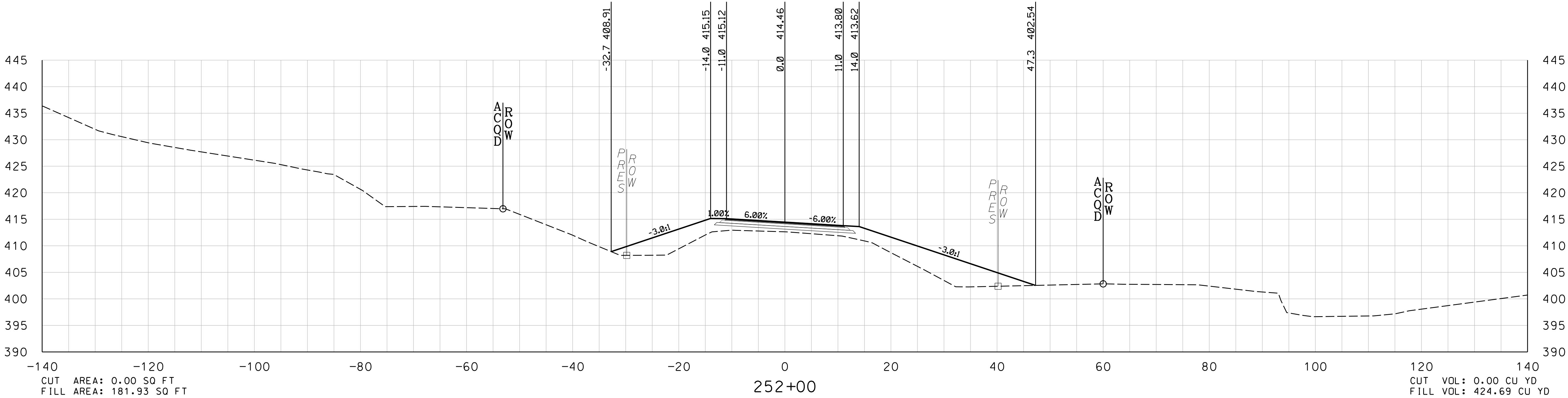
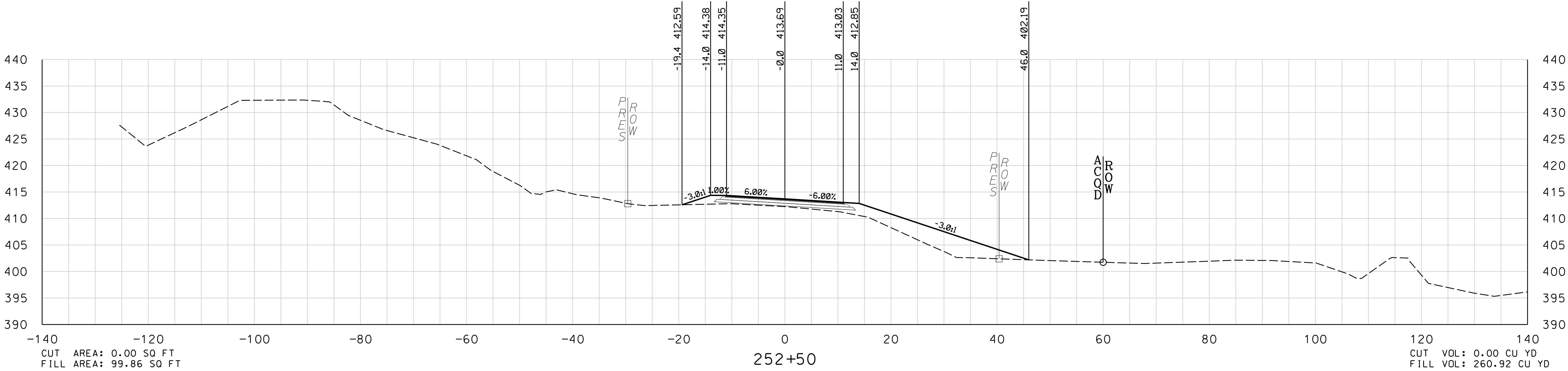
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CROSS SECTIONS

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SCP 59-904-19	2025	28

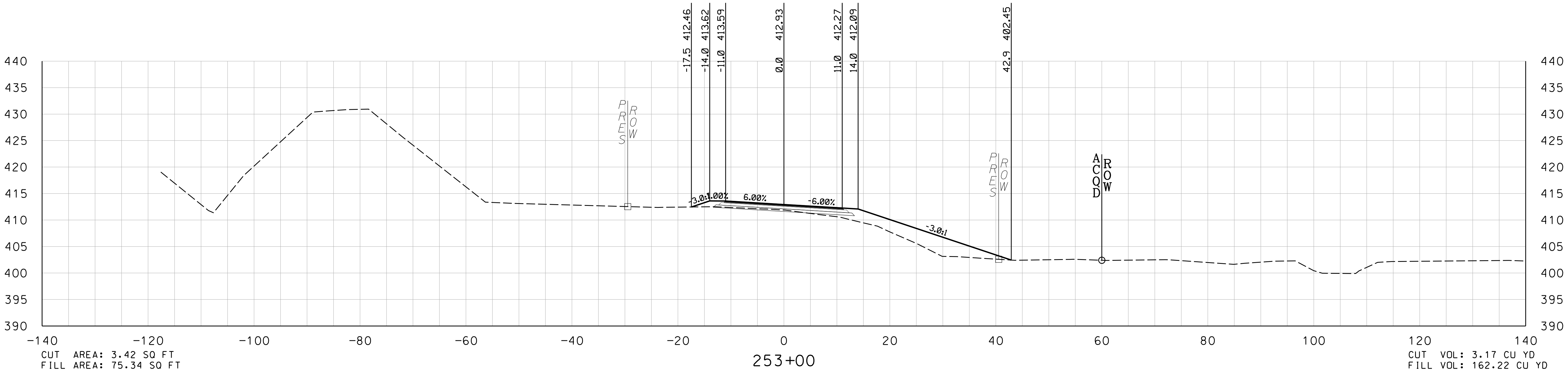
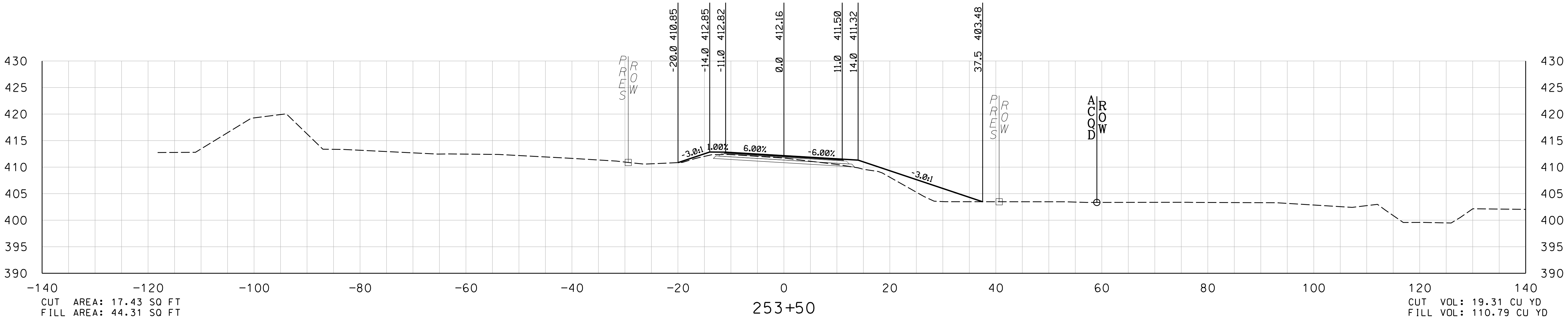
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CROSS SECTIONS

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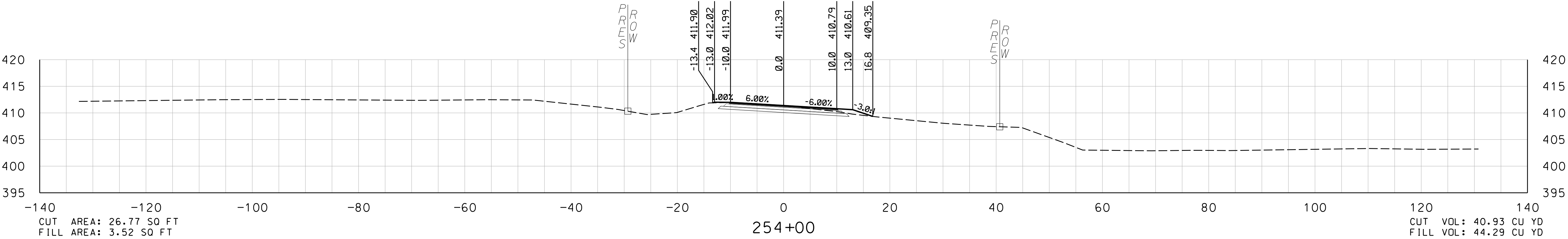
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CROSS SECTIONS

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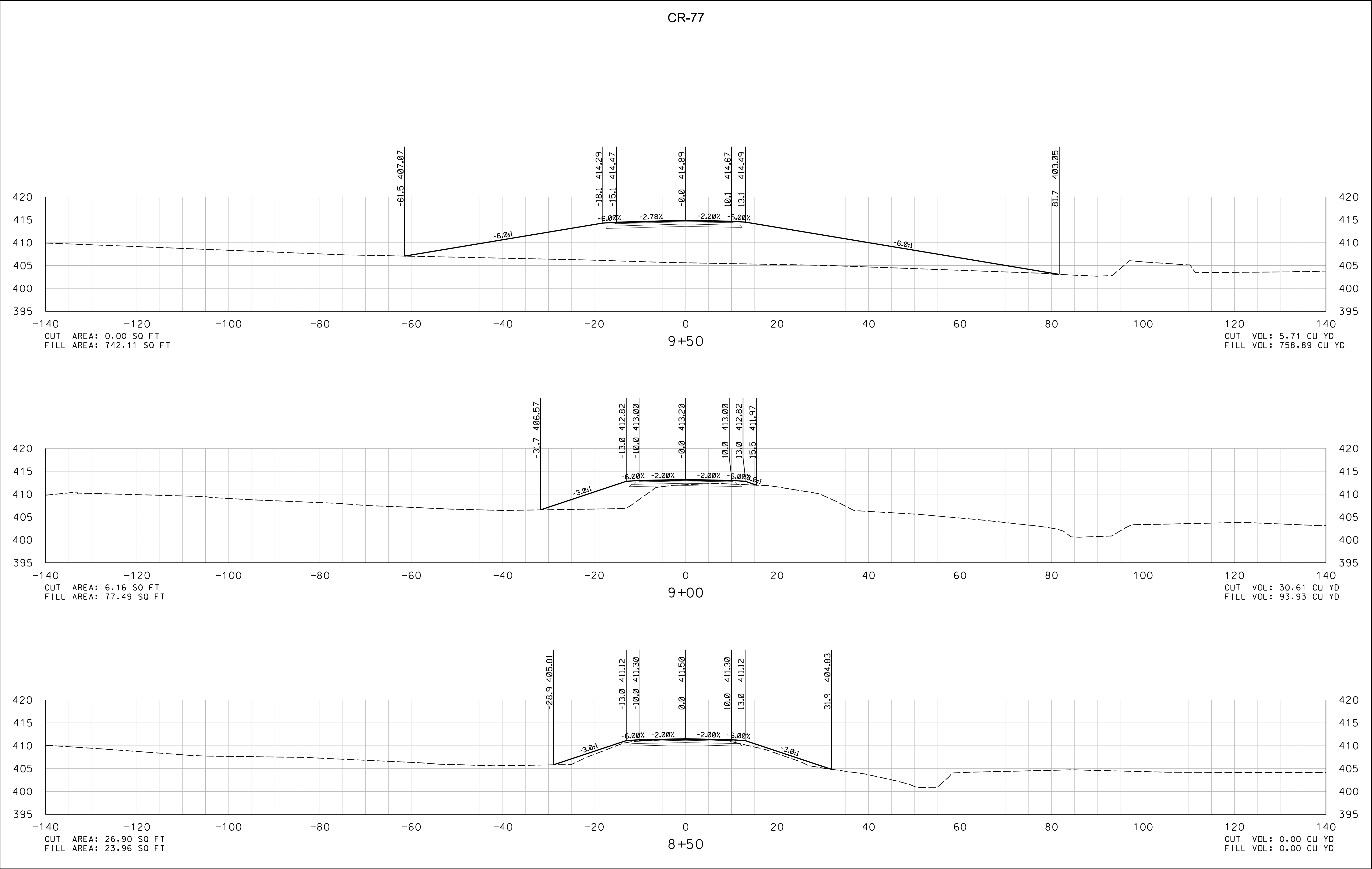
CR-61





CROSS SECTIONS

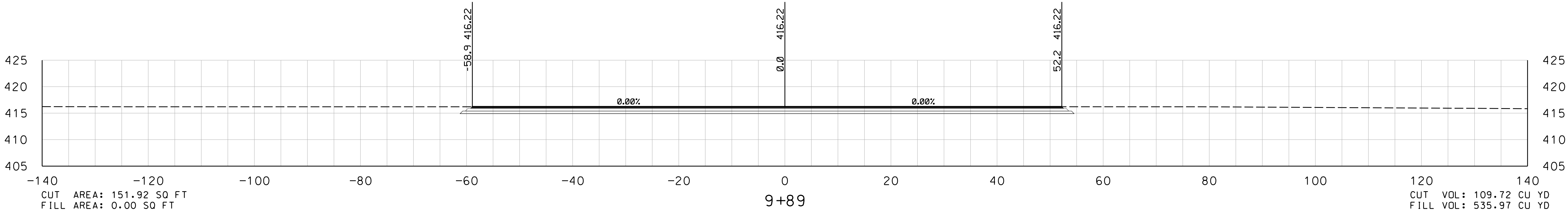
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SCP 59-904-19	2025	31



# CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	32

CR-77



# EARTHWORK SUMMARY

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-904-19	2025	33

EARTHWORK SUMMARY		
UNCLASSIFIED EXCAVATION		
1. CUT (FROM X-SECTIONS)		1786 CU YD
2. TOPSOIL BENEATH FILL		555 CU YD
3. EXCAVATION BENEATH BRIDGE		287 CU YD
4. DRAINAGE SUMP		20 CU YD
TOTAL UNCLASSIFIED EXCAVATION = (1+2+3+4)		2648 CU YD
REQUIRED BORROW EXCAVATION		
		6364 CU YD
TOPSOIL FROM STOCKPILES		
1. TOPSOIL ON CUT		20 CU YD
2. TOPSOIL BENEATH FILL		555 CU YD
TOPSOIL FROM STOCKPILES = (1+2)		575 CU YD

REQD ITEMS		
210A-000	UNCLASSIFIED EXCAVATION	2648 CU YD
210D-011	BORROW EXCAVATION (A-4 OR BETTER)	6364 CU YD
650B-000	TOPSOIL FROM STOCKPILES	575 CU YD