



Project Location

SHELBY COUNTY

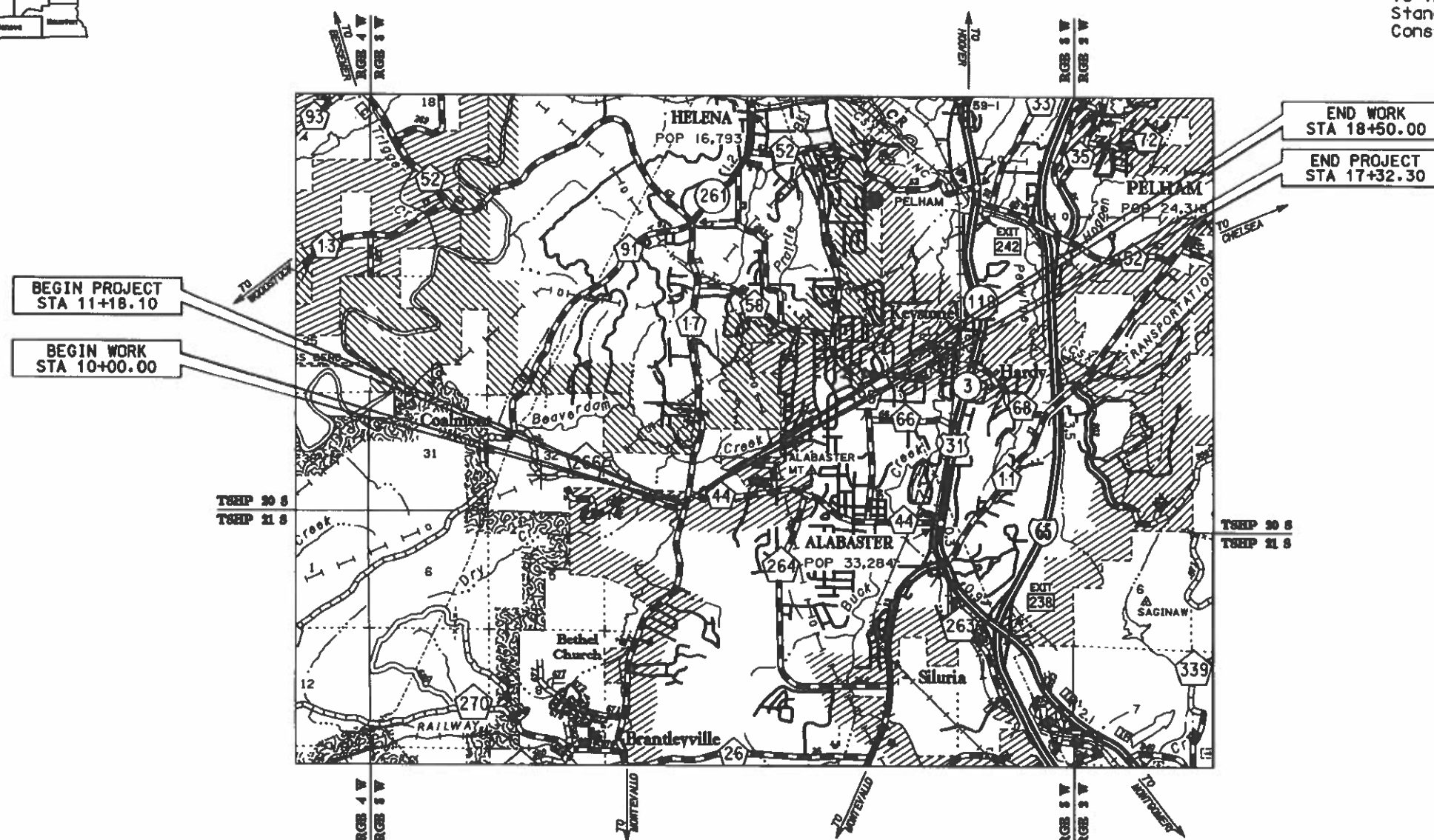
PLANS OF PROPOSED PROJECT

RIGHT TURN LANE ON COUNTY ROAD 17 AT COUNTY ROAD 44 GRADE, DRAIN, BASE AND PAVE, WIDENING, AND TRAFFIC SIGNAL SHELBY COUNTY

STATE	REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.	LAST SHEET NO.
AL	SCP 59-889-18	2023	1	60
CONTRACT ID NO				

Design Designation	
ADT (2018).....	XX
ADT (2038).....	XX
K	XX
D	XX
TDHV	XX
TADT	XX
V (Design Speed) (m.p.h.).....	45
Min. Stopping Sight Dist.....	360'

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



EQUATIONS AND EXCEPTIONS:

N/A

Total Stationing of Project	614.20 FT	
Equations & Exceptions	N/A	
Net Length of Project	614.20 FT	0.116 MI
Net Length of Roadways	614.20 FT	0.116 MI

VICINITY MAP

POPULATIONS ARE FROM 2020 CENSUS

SHELBY COUNTY HIGHWAY DEPARTMENT
Submitted for Approval
David A. Smith
COUNTY ENGINEER

PLANS PREPARED BY:
GSA
GONZALEZ - STRENGTH & ASSOCIATES, INC.
ENGINEERING, LAND PLANNING, SURVEYING, TRAFFIC/TRANSPORTATION



James R. Brown 10-11-22
JAMES R. BROWN, PE
AL PROFESSIONAL REGISTRATION NO. 15858
DATE

INDEX TO SHEETS							REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	
							SCP 59-889-18	2023	1-A	
SHEET NO		DESCRIPTION								
1	TITLE SHEET									
1-A	INDEX TO SHEETS									
1-B	INDEX TO SPECIAL AND STANDARD DRAWINGS									
1-C	PLANS LEGEND SHEET									
1-D	PLANS ABBREVIATIONS SHEET									
1-E	TRAFFIC SIGNAL AND ITS LEGEND									
1-F	PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET									
1-G	GEOMETRIC LAYOUT SHEET - HORIZONTAL ALIGNMENT DATA									
2	TYPICAL SECTION SHEET									
2-A	PROJECT NOTE SHEET									
2-B	GENERAL TRAFFIC CONTROL PLAN NOTES									
2-C	TRAFFIC SIGNAL PLAN NOTES									
3 THRU 3-B	SUMMARY OF QUANTITIES									
4	PLAN SHEET									
4-A	PROFILE SHEET									
5	OMIT									
6	PAVING LAYOUT, SIGNING AND STRIPING SHEET									
7	OMIT									
8	UTILITY PLAN SHEET									
9	OMIT									
10	TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION AND SUMMARY OF QUANTITIES									
11	TRAFFIC CONTROL PLAN									
12 THRU 15	TRAFFIC CONTROL PLAN SPECIAL PROJECT DETAILS									
15 THRU 19	OMIT									
20 THRU 21	TRAFFIC SIGNAL LAYOUT SHEETS									
22 THRU 29	OMIT									
30	EROSION AND SEDIMENT CONTROL LEGEND									
31	EROSION AND SEDIMENT CONTROL PLAN SHEET- INITIAL PHASE									
32	EROSION AND SEDIMENT CONTROL PLAN SHEET- INTERMEDIATE PHASE									
33	EROSION AND SEDIMENT CONTROL PLAN SHEET- FINAL CONSTRUCTION									
34 THRU 40	OMIT									
41	DRAINAGE CROSS SECTION SHEET									
42 THRU 49	OMIT									
50 THRU 56	ROADWAY CROSS SECTION SHEETS - CR-17									
57 THRU 59	OMIT									
60	EARTHWORK SUMMARY SHEET									
	RESPONSIBLE PE	James R. Brown, P.E.	SUPERVISOR	Doug R. Peterson, P.E.	DESIGNER	Dayla Baugh, P.E.	PLAN SUBMITTAL	NOT TO SCALE	SHEET TITLE	ROUTE
	DATE		DATE		DATE		PERMIT		INDEX TO SHEETS	CR-17 @ CR-44

SPECIAL PROJECT DETAIL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	1-B

THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENTS) DATED 2022 WHICH APPLY TO THIS PROJECT:

INDEX NO.			DRAWING NO.			DESCRIPTION			
53004	RPC-530	(SHEET 1 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (RCP AND CMP)			71050	SHS-0	(SHEET 1 OF 4)	STANDARD HIGHWAY SIGNS INDEX
53005	RPC-530	(SHEET 2 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (CMP AND RCP)			71051	SHS-0	(SHEET 2 OF 4)	STANDARD HIGHWAY SIGNS INDEX
53006	RPC-530	(SHEET 3 OF 3)	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (H.D.P.E. PIPE)			71052	SHS-0	(SHEET 3 OF 4)	STANDARD HIGHWAY SIGNS INDEX
60201	M-602		DETAILS OF MONUMENTS TO BE USED FOR REFERENCE OF CARDINAL POINTS OF HIGHWAY R.O.W. LINE AND LAND SURVEY CORNERS			71053	SHS-0	(SHEET 4 OF 4)	STANDARD HIGHWAY SIGNS INDEX
61905	HW-614-B (PC)	(SHEET 1 OF 2)	PRECAST SLOPE PAVED HEADWALL DETAILS FOR RCP AND CMP ROADWAY PIPE			71060	SHS-1		STANDARD HIGHWAY SIGNS
61906	HW-614-B (PC)	(SHEET 2 OF 2)	PRECAST SLOPE PAVED HEADWALL DETAILS FOR RCP AND CMP ROADWAY PIPE			71061	SHS-2		STANDARD HIGHWAY SIGNS
61909	HW-614-B	(SHEET 1 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE			71062	SHS-3		STANDARD HIGHWAY SIGNS
						71063	SHS-4		STANDARD HIGHWAY SIGNS
						71064	SHS-5		STANDARD HIGHWAY SIGNS
61910	HW-614-B	(SHEET 2 OF 2)	SLOPE PAVED HEADWALL DETAILS FOR REINFORCED CONCRETE AND CORRUGATED METAL ROADWAY PIPE			71065	SHS-6		STANDARD HIGHWAY SIGNS
						71066	SHS-7		STANDARD HIGHWAY SIGNS
						71067	SHS-8		STANDARD HIGHWAY SIGNS
62001	CC-530		DETAILS OF CONCRETE COLLAR FOR CONNECTING CONCRETE PIPE OF DIFFERENT SHELL THICKNESS OR CONNECTING CONCRETE TO CORRUGATED METAL PIPE			71068	SHS-9		STANDARD HIGHWAY SIGNS
						71069	SHS-10		STANDARD HIGHWAY SIGNS
65901	ESC-509		DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION			71072	SHS-11		STANDARD HIGHWAY SIGNS
66501	ESC-100-1		BEST MANAGEMENT PRACTICE REFERENCE MATRIX			71074	SHS-12		STANDARD HIGHWAY SIGNS
66502	ESC-100-2		BEST MANAGEMENT PRACTICE REFERENCE MATRIX			71075	SHS-13		STANDARD HIGHWAY SIGNS
66505	ESC-200-1		TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS			71076	SHS-14		STANDARD HIGHWAY SIGNS
66506	ESC-200-2		DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR			71077	SHS-15		STANDARD HIGHWAY SIGNS
66507	ESC-200-3		DETAILS OF SEDIMENT BARRIER APPLICATIONS			71078	SHS-16		STANDARD HIGHWAY SIGNS
66508	ESC-200-4		DETAILS OF SILT FENCE INSTALLATION			71079	SHS-17		STANDARD HIGHWAY SIGNS
66509	ESC-200-5		DETAILS OF SEDIMENT RETENTION BARRIER			71080	SHS-18		STANDARD HIGHWAY SIGNS
66512	ESC-300-1		DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS			71082	SHS-19		STANDARD HIGHWAY SIGNS
66513	ESC-300-2		DETAILS OF HAY BALE DITCH CHECKS			71083	SHS-20		STANDARD HIGHWAY SIGNS
66514	ESC-300-3		DETAILS OF SANDBAG DITCH CHECK			71084	SHS-21		STANDARD HIGHWAY SIGNS
66515	ESC-300-4		DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS			71085	SHS-22		STANDARD HIGHWAY SIGNS
66516	ESC-300-5		DETAILS OF SILT DIKE DITCH CHECKS			71086	SHS-23		STANDARD HIGHWAY SIGNS
66517	ESC-300-6		DETAILS OF ROCK DITCH CHECKS			71087	SHS-24		STANDARD HIGHWAY SIGNS
66518	ESC-300-7		DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION			71088	SHS-25		STANDARD HIGHWAY SIGNS
66519	ESC-300-8		DETAILS OF SILT FENCE DITCH CHECKS			71090	SHS-26		STANDARD HIGHWAY SIGNS
66522	ESC-400-1		INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS			71091	SHS-27		STANDARD HIGHWAY SIGNS
66523	ESC-400-2		INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS			71092	SHS-28		STANDARD HIGHWAY SIGNS
66524	ESC-400-3		INLET PROTECTION DETAILS OF WATTLES			71093	SHS-29		STANDARD HIGHWAY SIGNS
66525	ESC-400-4		INLET PROTECTION DETAILS OF SILT FENCE			71094	SHS-30		STANDARD HIGHWAY SIGNS
66526	ESC-400-5		INLET PROTECTION DETAILS OF SAND BAGS			71095	SHS-31		STANDARD HIGHWAY SIGNS
66529	ESC-501		FLOATING BASIN BOOM			73001	T.S.D.-730-1		POWER SOURCE DETAIL FOR TRAFFIC SIGNALS AND TRAFFIC SIGNAL POLES WITH LIGHTING
66532	ESC-502		STABILIZED CONSTRUCTION ENTRANCE			73004	T.S.D.-730-2	(SHEET 1 OF 3)	METAL TRAFFIC SIGNAL POLE AND LIGHTING INSTALLATION DETAILS
66535	ESC-503		TEMPORARY DEWATERING STRUCTURES			73005	T.S.D.-730-2A	(SHEET 2 OF 3)	METAL TRAFFIC SIGNAL POLE AND LIGHTING INSTALLATION DETAILS
66538	ESC-504		TEMPORARY CULVERT STREAM CROSSING			73009	T.S.D.-730-4		TRAFFIC SIGNAL POLE FOUNDATION
66541	ESC-505		TEMPORARY STREAM DIVERSION			73012	T.S.D.-730-6		WOODEN TRAFFIC SIGNAL POLE DETAILS
66544	ESC-506-1		SUSPENDED PIPE DIVERSION (DOWNSTREAM)			73027	T.S.D.-730-10		BASE AND POLE MOUNTED CONTROLLER CABINET INSTALLATIONS
66545	ESC-506-2		SUSPENDED PIPE DIVERSION (UPSTREAM)			73033	T.S.D.-730-12		VIDEO DETECTION SYSTEM INSTALLATION
66548	ESC-507		TEMPORARY SEDIMENTATION BASIN			73051	T.S.D.-730-18		FLASHING YELLOW ARROW SIGN
67201	ESC-508		FLOCCULANT USAGE GUIDE			73084	TSOP NO. 30		TRAFFIC SIGNAL OPERATING PLAN
68001	GN-2 NOTES		STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES			74001	B-107-2		PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE I AND TYPE II
68004	TO-107		DETAILS OF INTERSECTIONS AND TURNOUTS						
68013	LT-703		STANDARD TRANSITION TAPERS FOR 2, 3, AND 4 LANE HIGHWAYS						
68016	SSEC-1	(SHEET 1 OF 14)	STANDARD SUPERELEVATION OF CURVES			74007	TCD-100		DETAILS FOR TRAFFIC CHANNELIZATION DEVICES
68017	SSEC-1	(SHEET 2 OF 14)	STANDARD SUPERELEVATION OF CURVES			74201	PCMS-710	(SHEET 1 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
70101	PS-701-6		DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS			74202	PCMS-710	(SHEET 2 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
70133	PS-701-7		STRIPING DETAILS FOR DROP LANES AND TURN LANES			74203	PCMS-710	(SHEET 3 OF 3)	DETAILS OF PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)
70301	TCM-703	(SHEET 1 OF 2)	PAVEMENT LEGENDS AND MARKINGS						
70302	TCM-703	(SHEET 2 OF 2)	PAVEMENT LEGENDS AND MARKINGS						
70501	PM-705-1		DETAILS OF PAVEMENT MARKERS CLASS A, A-H, AND B						
70504	PM-705-2		DETAILS SHOWING APPLICATION OF PAVEMENT MARKERS						
70507	PM-705-3	(SHEET 1 OF 3)	DETAILS OF RAISED PAVEMENT MARKERS, MARKINGS, AND STRIPE AT RAMPS, RAMP GORES, AND MAINLINE						
70508	PM-705-3	(SHEET 2 OF 3)	DETAILS OF RAISED PAVEMENT MARKERS, MARKINGS, AND STRIPE AT RAMPS, RAMP GORES, AND MAINLINE						
70509	PM-705-3	(SHEET 3 OF 3)	DETAILS OF RAISED PAVEMENT MARKERS, MARKINGS, AND STRIPE AT RAMPS, RAMP GORES, AND MAINLINE						
70901	MP-710		DETAILS OF MILEPOSTS FOR 2 LANE AND 4 LANE HIGHWAYS USING ONE, TWO, OR THREE						
71001	IHS-710-1	(SHEET 1 OF 2)	WIND VELOCITY CHART FOR ROADSIDE SIGNS						
71002	IHS-710-1	(SHEET 2 OF 2)	DESIGN CHARTS FOR BEAM SIGN SUPPORTS AND FOOTINGS						
71017	IHS-710-12		DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)						
71032	IHS-710-21		DETAILS FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS						
71035	IHS-710-23		LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS						
71041	SL-710		TYPICAL STOP AND YIELD SIGN LOCATIONS						

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	1-C

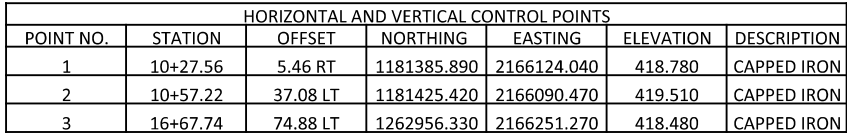
RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		PLANS LEGEND	CR-17 @ CR-44

PLANS ABBREVIATIONS SHEET						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	
						SCP 59-889-18	2023	1-D	
ABANDON(ED).....	ABAN	FLAT BOTTOM.....	FB	PROPOSED.....	PROP	WITH.....	W/		
ABUTMENT.....	ABUT	FLOW LINE.....	FL or F	QUADRUPLE.....	QUAD	WITNESS CORNER.....	WC		
ACCELERATION.....	ACCL	FORESIGHT OR FRONTSIGHT.....	FST	QUADRUPLE BARREL CULVERT.....	CQ	WOOD.....	WD		
ACQUIRED.....	ACQD	FRACTIONAL.....	FRAC	QUANTITY.....	QUANT	WORKING POINT.....	WP		
ACRE.....	AC	FULL SUPERELEVATION.....	FS	RADIUS.....	R	WOVEN WIRE.....	W/W		
AHEAD.....	AH	GALLON.....	RR	RAILROAD.....	RR	YARD.....	YD		
ALABAMA.....	AL	GASOLINE PUMPS.....	GPP	RANGE.....	RGE	STRUCTURES			
ALABAMA DEPARTMENT OF TRANSPORTATION.....	ALDOT	GARAGE.....	GAR	RECORD.....	REC	NUMBER OF STORIES..... 1, 2, 3, 4			
ALTERNATE.....	ALT	GAUGE.....	GA	REDUCTION.....	RED	FRAME.....	FR		
APPROXIMATE(LY).....	APP	GIRDER.....	GDR	REFERENCE.....	REF	BUILDING.....	BLDG		
AREA.....	A	GOVERNMENT.....	GOV	REFERENCE POINT.....	RP	BLOCK.....	BLK		
ASPHALT.....	ASP	GRASS.....	GRS	REFERENCE POINT FOR POINT ON TANGENT.....	RPPOT	BRICK.....	BR		
AVERAGE ANNUAL DAILY TRAFFIC.....	AADT	GRADE CHANGE.....	GC	REINFORCED.....	REINF	STUCCO.....	STU		
BACK.....	BK	GRADE POINT.....	GP	REINFORCED CONCRETE.....	RC	METAL.....	MET		
BACK OF GUARDRAIL.....	BK-GR	GRADE ROD.....	GRD	REINFORCED CONCRETE DECK GIRDER.....	RCDG	RESIDENCE.....	RES		
BACKSIGHT.....	BS	GRAVEL.....	GRV	REINFORCED CONCRETE PIPE.....	RCP	BUSINESS.....	BUS		
BARBED WIRE.....	B/W	GUARDRAIL.....	GR	REINFORCING STEEL.....	REINF STL	WAREHOUSE.....	WHSE		
BARREL.....	BBL	HEADWALL.....	HDWL	RELOCATE.....	RELC	CHICKEN HOUSE.....	CH HSE		
BARRIER.....	BAR	HECTARE.....	HA	REMOVE.....	REM	CHURCH.....	CH		
BASE LINE.....	BL or B	HIGH WATER MARK.....	HWM	REQUIRED.....	REQD	SCHOOL.....	SCH		
BEARING.....	BRNG or B	HEIGHT.....	HT	RETAI(NG).....	RET	DOUBLE WIDE MOBILE HOME.....	DW MH		
BEGIN.....	BEG	HEIGHT OF INSTRUMENT.....	HI	REVERSE CROWN.....	RC	MOBILE HOME.....	MH		
BEGINNING OF PROJECT.....	BOP	HIGH WATER.....	HW	REVISION.....	REV	UTILITIES			
BETWEEN.....	BTW	HIGHWAY.....	HWY	RIGHT.....	RT	ANCHOR WIRE.....	AW		
BENCH MARK.....	BM	HOGWIRE.....	H/W	RIGHT AHEAD.....	RA	BURIED ELECTRIC.....	BE		
BILLBOARD.....	BBD	HORIZONTAL.....	HOR	RIGHT BACK.....	RB	BURIED FIBER OPTIC.....	BFO		
BITUMINOUS.....	BIT	HUB & TACK.....	H&T	RIGHT OF WAY.....	ROW	BURIED TELEPHONE CABLE.....	BTC		
BITUMINOUS COATED CORRUGATED METAL PIPE.....	BCCMP	HYDRANT.....	HYD	RIGHT OF WAY MARKER.....	ROWM	BURIED CABLE TELEVISION.....	BTV		
BOLLARD.....	B	IMPACT ATTENUATOR.....	IA	RIVER.....	RIV	CAST IRON.....	CI		
BOUNDARY.....	BDY	IN ACCORDANCE WITH.....	I/A/W	ROAD.....	RD	CIRCUIT.....	CKT		
BRIDGE.....	BRG	IN PLACE.....	IN-PL	ROADWAY.....	RDWY	DUCTILE IRON.....	DUC IRON		
BRIDGE END SLAB.....	BES	INCHES.....	IN	SECTION.....	SEC	EASEMENT.....	ESMT		
BRIDGE IDENTIFICATION NUMBER.....	BIN	INCLUDING.....	INCL	SERVICE ROAD.....	SER RD	FIBER OPTIC.....	FO		
CAPACITY.....	CAPY	INCORPORATED.....	INC	SHEET.....	SHT	FIRE HYDRANT.....	FIH		
CAST IRON.....	CI	INSTRUMENT.....	INST	SHEET PILING.....	SHT PILE	FORCED MAIN (SANITARY SEWER).....	FM		
CAST IN PLACE.....	CIP	ISLAND.....	ISL	SHOULDER.....	SHLD	GAS MAIN.....	GM		
CATCH BASIN.....	CB	JOINT.....	JT	SIDE DRAIN.....	SD	GAS METER.....	GMET		
CENTER LINE.....	CL or C	JUNCTION.....	JCT	SIDEWALK.....	SW	GAS VALVE.....	GV		
CHAIN LINK.....	C/L	JUNCTION BOX.....	JB	SIGHT DISTANCE.....	S DIST	GUY WIRE.....	GUY		
CLASS.....	CLS	KILOMETER.....	KM	SINGLE BARREL CULVERT.....	CS	HIGH PRESSURE.....	HP		
CONCRETE.....	CONC	KILOMETER POST.....	KMP	SKEW.....	SK	KILOVOLT AMPS.....	KVA		
CONNECTION.....	CONN	KILOMETERS PER HOUR.....	KPH	SLOPE STAKE.....	SST	MANHOLE.....	MH		
CONSTRUCTION.....	CONST	LANE.....	LN	SOLID SODDING.....	SOL SOD	MERCURY VAPOR LIGHT.....	MVL		
CONSTRUCTION LIMITS.....	CONST LIM	LATITUDE.....	LAT	SOUTH.....	S	OVERHEAD FIBER OPTIC.....	OFO		
CORNER.....	COR	LEFT.....	LT	SOUTH BOUND.....	SB	OVERHEAD TELEPHONE CABLE.....	OTC		
CORRECTION.....	CORR	LEFT AHEAD.....	LA	SOUTH BOUND ROADWAY.....	SBR	OVERHEAD ELECTRIC CABLE.....	OE		
CORRUGATED IRON.....	CORI	LEFT BACK.....	LB	SPECIAL.....	SP	OVERHEAD CABLE TELEVISION.....	OTV		
CORRUGATED METAL.....	CM	LENGTH OF CURVE.....	L	SPECIAL DITCH.....	SP-DT	PAIR.....	PR		
CORRUGATED METAL PIPE.....	CMP	LINK.....	LK	SPECIAL DITCH LEFT.....	SDL	PEDESTAL.....	PED		
CORRUGATED PLASTIC PIPE.....	CPP	LIMIT.....	LIM	SPECIAL DITCH MEDIAN.....	SDM	POLY-VINYL CHLORIDE PIPE.....	PVC		
COUNTY.....	CO	LINEAR.....	LIN	SPECIAL DITCH RIGHT.....	SDR	POWER POLE.....	PP		
COUNTY ROAD.....	CO-RD	LINEAR FEET.....	LIN FT	SPECIAL DRAWING.....	SP-DWG	SANITARY SEWER.....	SS		
CREEK.....	CK	LONGITUDE.....	LONG	SPECIFICATIONS.....	SPEC	SERVICE.....	SERV		
CROSS SECTION.....	X-SECT	MANHOLE.....	MH	SPRING LINE.....	SL	STEEL.....	STL		
CROWN REMOVED.....	CR	MARKER.....	MRK	SPIRAL TO CURVE.....	SC	STORM DRAIN.....	STM		
CUBIC FEET.....	FT3 or CU FT	MAXIMUM.....	MAX	SPIRAL POINT OF INTERSECTION.....	SPI	STORM SEWER.....	STMS		
CUBIC FEET PER SECOND.....	CFS	MEAN HIGH WATER.....	MHW	SPIRAL TO TANGENT.....	ST	SWITCH.....	SW		
CUBIC YARD.....	YD3 or CU YD	MEAN LOW WATER.....	MLW	SQUARE.....	SQ	TELEPHONE.....	TEL		
CUBIC METERS.....	M3	MEASUREMENT.....	MEAS	SQUARE FEET.....	FT2 or SQ FT	TELEPHONE MANHOLE.....	TMH		
CULVERT.....	CULV	MEDIAN.....	MED	SQUARE METERS.....	M2	TRANSFORMER.....	TRAN		
CULTIVATED.....	CULT	METER.....	M	SQUARE YARD.....	YD2 or SQ YD	TRANSMISSION LINE.....	TR LN		
CURB FACE.....	CF	MERIDIAN.....	MER	STAKE.....	STK	TRIAXIAL CABLE (SERVICE).....	TRIX		
CURB AND GUTTER.....	C&G	MILE POST.....	MP	STANDARD.....	STD	VITRIFIED CLAY PIPE.....	VCP		
CUT.....	C	MILES.....	MI	STANDARD DRAWING.....	STD-DWG	WATER MAIN.....	WM		
CURVE TO SPIRAL.....	CS	MILES PER HOUR.....	MPH	STANDARD STRENGTH.....	STD STR	WATER METER.....	WMET		
DECELERATION.....	DECEL	MILLIMETER.....	MM	STATION.....	STA	WATER VALVE.....	WV		
DECLINATION.....	DECL	MINIMUM.....	MIN	STATION & ELEVATION.....	S/E	PROPERTY			
DEGREE OF CURVE.....	D	MONUMENT.....	MON	STATION & OFFSET.....	SO	DEED BOOK.....	DB		
DENIED ACCESS.....	D/A	MULTIPLE.....	MULT	STOPPING SIGHT DISTANCE.....	SSD	REAL PROPERTY BOOK.....	RP		
DEPARTURE.....	DEP	NORMAL.....	NORM	STREET.....	ST	PLAT BOOK.....	PB		
DESIGN SPEED.....	V	NORMAL CROWN.....	NC	STRUCTURE.....	STR	MAP BOOK.....	MB		
DETACHABLE.....	DET	NORMAL CROWN SLOPE.....	NCS	SUB-GRADE.....	SG	PAGE.....	PG		
DETAIL.....	DTL	NORTH.....	N	SUPERELEVATION.....	SE, se or e	OFFICIAL RECORD.....	OR		
DIAMETER.....	DIA	NORTH BOUND.....	NB	SURVEY.....	SRV	CAPPED (TYPICAL PLASTIC SURVEYORS CAP).....	CAP		
DIRECTION.....	DIR	NORTH BOUND ROADWAY.....	NBR	SYMMETRICAL.....	SYM	ALUMINUM CAP.....	ALUM CAP		
DISTANCE.....	DIST	NORTHING-EASTING.....	NE	TANGENT.....	TAN	BRASS CAP.....	BR CAP		
DOUBLE.....	DBL	NOT IN CONTRACT.....	NIC	TANGENT LENGTH (CURVE DATA).....	T	IRON PIPE.....	IP		
DOUBLE BARREL CULVERT.....	CD	NOT TO SCALE.....	NTS	TANGENT TO CURVE.....	TC	CRIMPED.....	CR		
DRAINAGE AREA.....	DA	NUMBER.....	NO	TANGENT TO SPIRAL.....	TS	REINFORCING STEEL.....	REBAR		
DRIVE.....	DR	OBSERVATION.....	OBS	TEMPORARY.....	TEMP	CONCRETE MONUMENT.....	CM		
DROP INLET.....	DI	ON CENTER.....	OC	TEMPORARY BENCH MARK.....	TBM	DAMAGED.....	DAM		
EACH.....	EA	ORIGINAL.....	ORIG	TEMPORARY CONSTRUCTION EASEMENT.....	TCE	CHISELED X.....	CH" X"		
EASEMENT.....	ESMT	OVERHEAD.....	OHD	THROAT.....	TH	HUB AND TACK.....	H&T		
EAST.....	E	OVERHAUL.....	OH	TOWNSHIP.....	TSHP	NAIL AND BOTTLE TOP.....	N&BT		
EAST BOUND.....	EB	OUT TO OUT.....	OO	TRANSITION.....	TRANS	PARKER-KALON (MASONARY NAILS).....	PK NAIL		
EAST BOUND ROADWAY.....	EBR	PAINT.....	PNT	TRIPLE.....	TR	FENCE POST.....	F-POST		
EDGE OF PAVEMENT.....	EP	PAVED.....	PVD	TRIPLE BARREL CULVERT.....	CT	RAILROAD IRON.....	RR IRON		
ELEVATION.....	EL or ELEV	PAVED SHOULDER.....	PVD SH	TURN OUT.....	TO	COTTON SPINDLE.....	COT SP		
END OF RETURN.....	ER	PAVEMENT.....	PVMT	TURNING POINT.....	TP	ANGLE IRON.....	ANGLE IRON		
END ANCHOR.....	E/A	PIPE END TREATMENT.....	PET	TYPE.....	TY	REV 8/04/2015 - ALDOT ABBREVIATIONS DATED 4/6/2015 WITH THE FOLLOWING ADDITIONS: BOLLARD (B), BRIDGE IDENTIFICATION NUMBER (BIN), CONSTRUCTION (CONST), DESIGN SPEED (V), DETACHABLE (DET), DETAIL (DTL), EAST BOUND (EB), NORTH BOUND (NB), SOUTH BOUND (SB), TANGENT TO CURVE (TC), TRANSITION (TRANS), WEST BOUND (WB), AND WITH (W/).			
END OF PROJECT.....	EOP	PIPE ENTERING CULVERT.....	PEC	UNIT.....	U				
EQUATION.....	EQ	PLATE GIRDER.....	PL GDR	UNKNOWN.....	UNK				
EROSION CONTROL PRODUCTS.....	ECP	POINT OF BEGINNING.....	POB	UNPAVED.....	UNPVD				
EXCAVATION.....	EXCAV	POINT OF COMPOUND CURVE.....	PCC	VALLEY GUTTER.....	VG				
EXISTING.....	EX	POINT OF CURVATURE.....	PC	VARIABLE.....	VAR				
EXPANSION.....	EXP	POINT OF REVERSE CURVATURE.....	PRC	VERTICAL.....	VERT				
EXTENSION.....	EXT	POINT OF ENDING.....	POE	VERTICAL CURVE.....	VC				
EXTERNAL.....	E	POINT OF INTERSECTION.....	PI	VERTICAL POINT OF CURVATURE.....	PVC				
EXTRA STRENGTH.....	EXT STR	POINT OF TANGENCY.....	PT	VERTICAL POINT OF INTERSECTION.....	PVI				
FEET.....	FT	POINT ON CURVE.....	POC	VERTICAL POINT OF TANGENCY.....	PVT				
FILL.....	F	POUND.....	LB	VITRIFIED.....	VIT				
FILTER BLANKET.....	FLT BLNK	PRESENT.....	PRES	VOLUME.....	VOL				
FINISHED GRADE.....	FG	PROFILE GRADE.....	PG	WEST.....	W				
FINISHED SURFACE.....	FS	PROJECT.....	PROJ	WEST BOUND.....	WB				
FISCAL YEAR.....	FY	PROJECT CONTROL.....	PJC	WEST BOUND ROADWAY.....	WBR				
FIXED.....	FIX	PROPERTY LINE.....	PL	WING WALL.....	WW				
						SHEET TITLE		ROUTE	
RESPONSIBLE PE: James R. Brown, P.E.						SUPERVISOR: Doug R. Peterson, P.E.		PLANS ABBREVIATIONS SHEET	CR-17 @ CR-44
DESIGNER: Dayla Baugh, P.E.						PLAN SUBMITTAL		NOT TO SCALE	
DATE:						PERMIT			


REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
18-0340	2023	1-E

R20141222

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	1-F



- NOTES:
1. POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD 83/92 (HPGN) ALABAMA STATE WEST ZONE, VERTICAL DATUM-NAVD 88, AND U.S. SURVEY FOOT UNIT OF MEASURE WITH AN AVERAGE COMBINED SCALE FACTOR OF 0.99996288906523.
 2. SEE SHEET 1-G FOR THE HORIZONTAL ALIGNMENT DATA SHEET.

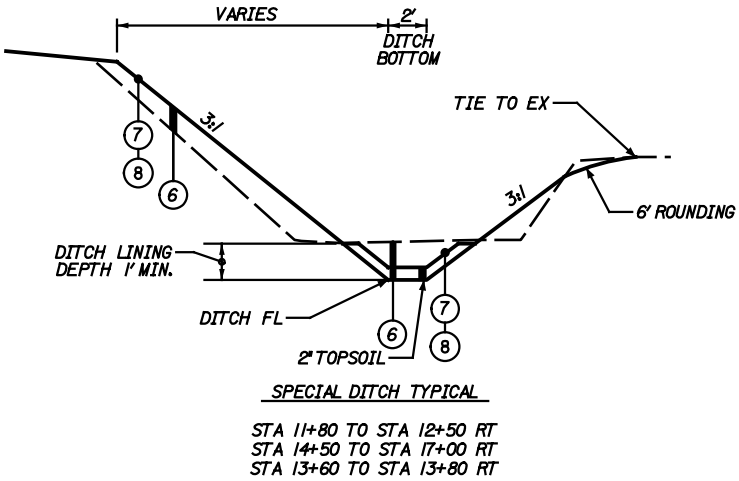
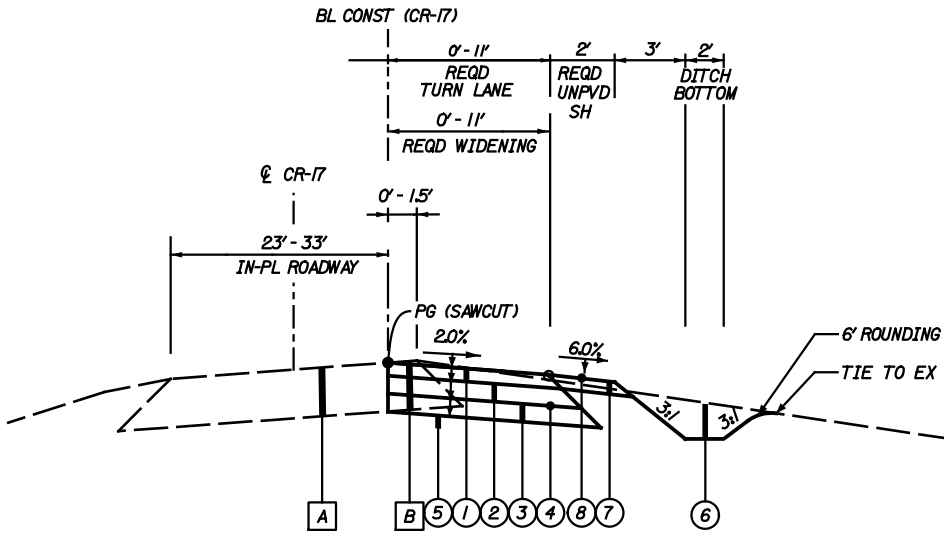
	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		<div style="text-align: center;"> <div style="display: flex; justify-content: space-between; width: 100px;"> 50 0 50 </div> <div style="display: flex; align-items: center; justify-content: center;"> HORIZ  SCALE (FEET) </div> </div>	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET	CR-17 @ CR-44

GEOMETRIC LAYOUT SHEET						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
						SCP 59-889-18	2023	1-G
HORIZONTAL ALIGNMENT DATA SHEET								
Project Name: CO RD 17 Description: Horizontal Alignment Name: CR-17 EOWidening Description: Style: NBR								
		STATION	NORTHING	EASTING				
Element: Linear								
POB (8)		10+00.00	1181360.6357	2166111.7390				
PC (9)		15+05.54	1181849.4666	2166240.6345				
Tangent Direction:		N 14°46'18" E						
Tangent Length:		505.54						
Element: Circular								
PC (9)		15+05.54	1181849.4666	2166240.6345				
PI ()		15+67.20	1181909.0902	2166256.3562				
CC (4)			1182808.3959	2162603.9361				
PRC (10)		16+28.85	1181969.1972	2166270.1148				
Radius:		3761.00						
Delta:		1°52'43" Left						
Degree of Curvature(Arc):		1°31'24"						
Length:		123.31						
Tangent:		61.66						
Chord:		123.31						
Middle Ordinate:		0.51						
External:		0.51						
Tangent Direction:		N 14°46'18" E						
Radial Direction:		S 75°13'42" E						
Chord Direction:		N 13°49'56" E						
Radial Direction:		S 77°06'25" E						
Tangent Direction:		N 12°53'35" E						
Element: Circular								
PRC (10)		16+28.85	1181969.1972	2166270.1148				
PI ()		16+89.47	1182028.2920	2166283.6418				
CC (11)			1181957.9616	2166319.1993				
PT (12)		17+17.24	1182004.1509	2166339.2510				
Radius:		50.35						
Delta:		100°34'25" Right						
Degree of Curvature(Arc):		113°47'10"						
Length:		88.39						
Tangent:		60.62						
Chord:		77.47						
Middle Ordinate:		18.18						
External:		28.45						
Tangent Direction:		N 12°53'35" E						
Radial Direction:		S 77°06'25" E						
Chord Direction:		N 63°10'47" E						
Radial Direction:		S 23°28'00" W						
Tangent Direction:		S 66°32'00" E						
Element: Linear								
PT (12)		17+17.24	1182004.1509	2166339.2510				
POE (13)		17+32.30	1181998.1553	2166353.0620				
Tangent Direction:		S 66°32'00" E						
Tangent Length:		15.06						
NOTES: 1. POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD 83/92 (HPGN) ALABAMA STATE WEST ZONE, VERTICAL DATUM-NAVD 88, AND U.S. SURVEY FOOT UNIT OF MEASURE WITH AN AVERAGE COMBINED SCALE FACTOR OF 0.99996288906523.								
RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL			SHEET TITLE		ROUTE
DATE:	DATE:	DATE:	PERMIT			NOT TO SCALE		CR-17 @ CR-44
						GEOMETRIC LAYOUT SHEET		

TYPICAL SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	2

PROJECT NOTES
200 - 205



REQUIRED MATERIALS LEGEND		
DESCRIPTION		
LEGEND NO.	ITEM NO.	
①	424A-361	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 185 LB/SQ YD)
②	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 250 LB/SQ YD)
③	301A-020	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED 8" COMPACTED THICKNESS (WIDTH VARIES 0' - 11.5')
④	401A-000	BITUMINOUS TREATMENT A (WIDTH VARIES 0' - 11.5')
⑤	230A-000	ROADBED PROCESSING (WIDTH VARIES 6' - 11.5')
⑥	210A-000 AND/OR 210D-011	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION (A4 OR BETTER)
⑦	650A-000	TOPSOIL (4" THICK)
⑧	654A-001	SOLID SODDING (BERMUDA)

NOTE: PER SHELBY COUNTY STANDARDS, ALL WIDENING AREAS LESS THAN 4' WIDE SHALL BE FULL DEPTH ASPHALT.

IN PLACE MATERIALS LEGEND	
LEGEND NO.	DESCRIPTION
A	EXISTING BITUMINOUS PAVEMENT (RETAIN)
B	EXISTING BITUMINOUS PAVEMENT (REMOVE)

	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			TYPICAL SECTION SHEET	CR-17 @ CR-44

PROJECT NOTE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	2-A

SERIES NOTE	NOTE
200	THE PAVING LAYOUT SHEETS SHALL BE USED IN CONJUNCTION WITH THE TYPICAL SECTIONS FOR PAVEMENT WIDTH TRANSITIONS, RADII LENGTHS, ACCELERATION AND DECELERATION LANES, TAPER LENGTHS, ETC.
201	ALL EXISTING GRAVEL, DIRT, AND ASPHALT DRIVEWAYS AND TURNOUTS SHALL BE RESURFACED FOR A DISTANCE OF 3 FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
202	ROADBED PROCESSING FOR THE SUBGRADE IN AREAS 6 FEET WIDE OR LESS SHALL BE WAIVED. THE DENSITY OF SUBGRADE IN THESE AREAS SHALL BE TO 100% COMPACTION MEETING AASHTO T-99 STANDARDS, AND THE PAYMENT OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE OVERLYING LAYER.
203	JOB MIX FORMULA AND L.A. ABRASION DATA ARE NOT AVAILABLE FOR THIS PROJECT.
204	FOR WIDENING AREAS FOUR FEET WIDE AND LESS, THE PAVEMENT BUILDUP SHALL BE FULL DEPTH ASPHALT, WITH UPPER BINDER REPLACING THE CRUSHED AGGREGATE LAYER.
205	ALL REFERENCES TO "ALDOT" SHOWN ON THE REQUIRED RIGHT-OF-WAY MARKERS AS DETAILED ON STANDARD DRAWING M-602 SHALL BE CHANGED TO "SHELBY COUNTY HWY DEPT". THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE PAY ITEM 602A-000.
300	TEMPORARY PAVEMENT MARKERS SHALL BE OF THE PERMANENT TYPE, MEETING THE REQUIREMENTS OF SUBARTICLE 882.02 (b) OF THE STANDARD SPECIFICATIONS.
301	ITEMS TO BE REMOVED THAT ARE NOT IDENTIFIED BEFORE CONSTRUCTION SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK GIVEN IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS.
302	PAY ITEM NO. 654A-001 (SOLID SODDING (BERMUDA)) SHALL BE PLACED IN DITCH BOTTOMS.

SERIES NOTE	NOTE
400	INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LAYOUT INCLUDING WOOD TRAFFIC SIGNAL POLE AND MISCELLANEOUS EQUIPMENT SHALL BE A SUBSIDIARY COST OF ITEM 730C-030.
401	REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL LAYOUT SHALL BE A SUBSIDIARY REQUIREMENT OF ITEM 730A-012.
800	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS OF ANY NATURE AND/ OR ELECTRICAL/ COMMUNICATIONS CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES. UTILITY LINE LOCATE RE-QUESTS SHALL BE LIMITED TO INCREMENTS NOT TO EXCEED 2000 LINEAR FEET PER WORKING DAY OPERATIONS. MULTIPLE LOCATE REQUESTS SHALL BE REQUIRED FOR PROJECTS GREATER THAN 2000 LINEAR FEET IN LENGTH.
900	NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.
901	THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY. IN ADDITION, FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZERS, ETC. SHALL NOT BE LEFT UNATTENDED ON THE RIGHT OF WAY.

	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			PROJECT NOTE SHEET	CR-17 @ CR-44

GENERAL TRAFFIC CONTROL PLAN NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	2-B

○ DENOTES NOTES THAT APPLY TO THIS PROJECT

700 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON STANDARD 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.

701 ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPES IV OR VIII FLUORESCENT ORANGE REFLECTIVE SHEETING MATERIAL FOR THE SIGN BACKGROUND.

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 SHELBY CO. (SEE SKETCH ON SHEET 12)

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.

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 SHELBY CO. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.

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.

706 OMITTED

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.

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.

709 THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.

710 CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.

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.

712 FLAGGERS 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.

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.

714 OMITTED

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.

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.

717 OMITTED

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.

719 OMITTED

720 ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

721 OMITTED

722 OMITTED

723 THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.

724 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.

726 OMITTED

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.

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.

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.

730 OMITTED

731 OMITTED

732 CHANNELIZING DRUMS SHOULD BE PLACED ON 10 FOOT INTERVALS IN RADII.

733 CHANNELIZING DRUMS PLACED TO PROTECT COMPLETED WORK NOT OPEN TO TRAFFIC, SHOULD BE SPACED AT 50 FOOT INTERVALS.

734 CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULD BE SPACED AT 50 FOOT INTERVALS.

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.

736 CHANNELIZING DRUMS SHOULD BE PLACED ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.

737 CHANNELIZING DEVICES SHALL EXTEND TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

738 OMITTED

739 THE QUANTITIES SHOWN IN THE TRAFFIC CONTROL SUMMARY BOX ARE CONSIDERED TO BE THE MINIMUM REQUIREMENT FOR HANDLING TRAFFIC AT ANY GIVEN TIME DURING CONSTRUCTION.

740 LIGHTWEIGHT TYPE B WARNING LIGHTS (WEIGHING 3.3 POUNDS OR LESS) WITH DETACHABLE HEADS MAY BE USED ON DRUMS IN SPECIAL SITUATIONS AS SHOWN ON THE PLANS. TYPE B WARNING LIGHTS WITH DETACHABLE HEADS USED ON BARRICADES SHALL BE LIGHTWEIGHT (WEIGHING 3.3 POUNDS OR LESS). ANY HEAVYWEIGHT WARNING LIGHTS ON BARRICADES MUST BE CERTIFIED BY THE VENDOR AS TO CRASHWORTHINESS OF THE BARRICADE AND WARNING LIGHT COMBINATION.

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 ENCLOSES 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.

748 R16-3a SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THEY SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT. AN R2-1 SIGN SHALL ALWAYS BE REQUIRED FOLLOWING AN R16-3 SIGN. ADDITIONAL R16-3 SIGNS SHALL BE POSTED AT MAXIMUM THREE MILE INTERVALS THROUGHOUT THE PROJECT LIMITS. ADDITIONAL R16-3 SIGNS SHALL BE REQUIRED WITH A W3-5b SIGN AND R2-1 SIGN WHENEVER A REDUCTION IN SPEED IS REQUIRED.

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.

750 DURING REPLACEMENT OF GUARDRAIL AND/OR GUARDRAIL END ANCHORS, A REFLECTORIZED DRUM WITH A LIGHTWEIGHT TYPE B WARNING LIGHT (WEIGHING 3.3 POUNDS OR LESS) SHALL BE PLACED BEFORE THE END OF ANY EXPOSED GUARDRAIL AT NIGHT WHERE THE GUARDRAIL END ANCHOR CANNOT BE REPLACED IN ONE DAY'S TIME.

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.

752 THE CONTRACTOR AND THE CONSTRUCTION ENGINEER SHALL DISCUSS AND PLAN FOR THE HANDLING OF TRAFFIC FOR ALL HOLIDAYS BEFORE ANY WORK BEGINS. UNLESS OTHERWISE PRE-APPROVED BY THE COUNTY ENGINEER, THE FOLLOWING SHALL HOLD:

THE CONTRACTOR SHALL NOT HAVE A LANE CLOSURE DURING THE FOLLOWING PERIODS UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR SHELBY CO:

FOR CHRISTMAS AND NEW YEARS DAY:
FROM 11:59 PM DECEMBER 23 THROUGH 11:59 PM 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 PROJECT 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 ALODOT'S LIST OF OFFICIAL STATE HOLIDAYS.

753 THE CONTRACTOR SHALL NOT HAVE LANE CLOSURES MONDAY THROUGH FRIDAY FROM 7AM TO 8:30 AM OR 3 PM TO 6 PM.

	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			GENERAL TRAFFIC CONTROL PLAN NOTES	CR-17 @ CR-44

TRAFFIC SIGNAL PLAN NOTES

IN THE EVENT CONFLICTS OCCUR BETWEEN THE PROJECT TRAFFIC SIGNAL NOTES
AND THE MUTCD, THE MUTCD WILL GOVERN.

○ NOTES THAT APPLY TO THIS PROJECT.

500.

WHEN THE CONTROLLER IS IN THE FLASHING MODE, THE VEHICULAR SIGNAL HEADS SHALL FLASH YELLOW ON HIGHWAY 17, RED ON ALL CROSS STREETS, AND RED ON PROTECTED LEFT TURNS.
501.

ALL EXISTING TRAFFIC CONTROL EQUIPMENT WHICH IS THE PROPERTY OF THE STATE INCLUDING SIGNAL HEADS, CONTROLLERS, POLES, AND MISCELLANEOUS HARDWARE SHALL BE REMOVED UPON COMPLETION OF THE NEW TRAFFIC CONTROL UNIT (TEMPORARY OR PERMANENT) AND STORED TO COMPLY WITH SECTION 730.03 OF THE STANDARD SPECIFICATIONS. THE SAME SHALL BE DELIVERED TO THE ALABAMA DEPARTMENT OF TRANSPORTATION AS DIRECTED BY THE ENGINEER.
502.

ALL EXISTING TRAFFIC CONTROL EQUIPMENT WHICH IS THE PROPERTY OF SHELBY COUNTY INCLUDING SIGNAL HEADS, CONTROLLERS, POLES, AND MISCELLANEOUS HARDWARE SHALL BE REMOVED UPON COMPLETION OF THE NEW TRAFFIC CONTROL UNIT (TEMPORARY OR PERMANENT) AND STORED TO COMPLY WITH SECTION 730.03 OF THE STANDARD SPECIFICATIONS. THE SAME SHALL BE DELIVERED TO THE ALABAMA DEPARTMENT OF TRANSPORTATION AS DIRECTED BY THE ENGINEER.
503.

THE LOCATION OF THE POWER SOURCE AS SHOWN IN THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF THE POWER SOURCE AND THE SHORTEST ROUTE TO SERVE THE TRAFFIC SIGNAL CONTROLLER CABINET AND LUMINAIRES.
504.

AS WORK BEGINS RELATED TO OR AFFECTING THE SIGNAL(S) WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR SHALL ASSUME RESPONSIBILITY OF ALL EXISTING, TEMPORARY, AND REQUIRED SIGNAL(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUAL OPERATION AND MAINTENANCE OF THE SIGNAL(S) UNTIL ALL SIGNAL WORK OR WORK AFFECTING THE SIGNAL(S) IS ACCEPTED BY SHELBY COUNTY.
505.

THE CONTRACTOR SHALL INSTALL TEMPORARY SIGNAL(S) AS REQUIRED BY THE TEMPORARY TRAFFIC SIGNAL PLAN LAYOUT OR THE TRAFFIC CONTROL PLANS. WHEN TEMPORARY SIGNAL(S) ARE NOT REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING AND ADJUSTING THE EXISTING AND/OR REQUIRED SIGNAL(S) SO THAT ALL LANE SHIFTS, CLOSURES, AND ANY OTHER CHANGES TO THE ROADWAY DURING CONSTRUCTION ARE CONTROLLED BY THE EXISTING AND/OR REQUIRED SIGNAL(S).
506.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES TO LOCATE ALL OVERHEAD AND UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. DAMAGE TO UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE UTILITY COMPANY AND THE ENGINEER. THE CONTRACTOR SHALL BEAR ALL COST TO REPAIR ANY AND ALL DAMAGES TO THE UTILITIES CAUSED BY THE CONTRACTOR.
507.

SHELBY COUNTY RESERVES THE RIGHT TO RESPOND TO TRAFFIC CONTROL UNIT(S) MALFUNCTIONS IN AN EMERGENCY OR NATURAL DISASTER. IN DOING SO THE CONTRACTOR'S LIABILITY AND RESPONSIBILITY RELATED TO MAINTAINING THE TRAFFIC UNIT(S) OR SYSTEM REMAINS IN EFFECT.
508.

THE CONTRACTOR SHALL HAVE THE APPROVAL OF THE ENGINEER PRIOR TO THE REMOVAL OF ANY EXISTING TRAFFIC CONTROL UNIT. THE CONTRACTOR SHALL NOT REMOVE AN EXISTING TRAFFIC CONTROL UNIT UNTIL THE REQUIRED TRAFFIC CONTROL UNIT IS INSTALLED AND COMPLETELY OPERATIONAL.
509.

EACH REQUIRED TRAFFIC SIGNAL STRAIN POLE AND MAST ARM POLE MAY VARY IN LENGTH AND SIZE. THE CONTRACTOR SHALL ASCERTAIN THAT THE POLE HEIGHTS ARE SUFFICIENT TO PROVIDE THE REQUIRED VEHICULAR TRAFFIC SIGNAL CLEARANCE. EXTENSIONS FOR MOUNTING SIGNALS SHALL BE PROVIDED WHEN NECESSARY.
510.

EACH MAST ARM MAY VARY IN LENGTH. THE CONTRACTOR SHALL ASCERTAIN THAT ALL ARM LENGTHS ARE SUFFICIENT SO THAT EACH VEHICULAR SIGNAL HEAD POSITION CONFORMS TO THE MUTCD.
511.

THE TRAFFIC SIGNAL POLE LOCATION(S) AS SHOWN IN THE PLANS IS(ARE) APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE POLE LOCATION(S) WITH THE ENGINEER. THE CONTRACTOR SHALL ASCERTAIN THAT THE FINAL POLE LOCATION(S) PROVIDE FOR THE VEHICULAR TRAFFIC SIGNAL HEADS TO MEET THE DISTANCE REQUIREMENTS TO THE STOP LINE AS REQUIRED BY THE MUTCD. WHEN PEDESTRIAN SIGNAL HEADS AND/OR PEDESTRIAN CROSSWALKS ARE INVOLVED THE SAME SAID POLE LOCATION(S) SHALL ALSO CONFORM TO THE RELATIVE SECTIONS OF THE MUTCD.
512.

THE CONTRACTOR SHALL LOCATE EACH REQUIRED AND RELOCATED VEHICULAR TRAFFIC SIGNAL HEAD ON THE SPAN WIRE OR MAST ARM SO THAT EACH HEAD IS LOCATED IN THE APPROACH LANE FOR WHICH IT APPLIES. LOCATION OF SIGNAL HEADS SHALL CONFORM TO THE MUTCD.
513.

THE TRAFFIC SIGNAL STRAIN POLE LOCATION(S) AS SHOWN IN THE PLANS IS (ARE) APPROXIMATE. THE ENGINEER SHALL APPROVE ALL FOUNDATION LOCATIONS PRIOR TO THE CONTRACTOR EXCAVATING FOR EACH FOUNDATION.
514.

BALANCE ADJUSTERS SHALL BE INSTALLED ON TRAFFIC SIGNAL HEADS FOR PROPER AIM. THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS IN ACCORDANCE WITH THE MUTCD AND TO THE SATISFACTION OF THE ENGINEER.
515.

A 12 INCH DRIP COIL WITH 3 LOOPS SHALL BE PROVIDED TO THE RIGHTS OF EACH VEHICULAR TRAFFIC SIGNAL HEAD. A DRIP LOOP SHALL BE FORMED SO THAT WATER CANNOT ENTER THE ENTRANCE CLAMP. THE WIRE SHALL ENTER THE CLAMP FROM THE BOTTOM OF THE DRIP LOOP.
516.

WHEN PVC CONDUIT IS USED FROM THE CONTROLLER TO THE STEEL STRAIN POLE OR MAST ARM POLE, THE CONTRACTOR SHALL BOND THE CONTROLLER TO THE POLE WITH A #6-1C BONDING CABLE.
517.

MARKING/WARNING TAPE SHALL BE BURIED OVER CONDUIT. THE TAPE SHALL BE 4 INCH POLYETHYLENE, RED IN COLOR WITH BLACK LETTERING.
518.

WHEN EXISTING LOOP WIRE AND VEHICLE LOOP DETECTORS ARE TO BE RETAINED AND REUSED, OR RELOCATED IN A NEW CONTROLLER CABINET, THE CONTRACTOR SHALL ASCERTAIN THE MANUFACTURER AND MODEL NUMBER OF EACH EXISTING DETECTOR AMPLIFIER AND PROVIDE A NEW WIRING HARNESS COMPLETELY WIRED IN THE CONTROLLER CABINET FOR EACH EXISTING DETECTOR AMPLIFIER.
519.

WHEN SYSTEM TIMINGS ARE NOT INCLUDED IN THE PLANS FOR TIME BASE OR CLOSED LOOP SYSTEMS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE A LICENSED PROFESSIONAL ENGINEER TO CALCULATE SYSTEM TIMINGS. THE COST OF CALCULATING SYSTEM TIMINGS SHALL BE A SUBSIDIARY OBLIGATION OF 730C.
520.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE A LICENSED PROFESSIONAL ENGINEER TO INPUT THE TIMINGS AND FINE TUNE THE TIMINGS. THE COST OF INPUTTING AND FINE TUNING TIMINGS SHALL BE A SUBSIDIARY OBLIGATION OF 730C.
521.

THE { AREA TRAFFIC ENGINEER / CITY TRAFFIC ENGINEER / COUNTY TRAFFIC ENGINEER } SHALL BE RESPONSIBLE FOR INPUTTING AND FINE TUNING THE TIMINGS.
522.

WHEN EXISTING SPAN WIRE THAT IS TO BE RETAINED HAS SAGGED, THE CONTRACTOR SHALL ADJUST THE SPAN WIRE SO THAT SIGNAL HEADS COMPLY WITH THE CLEARANCE SHOWN ON THE STANDARD DETAIL DRAWING.
523.

A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE HAS BEEN FILED WITH ADEM FOR THIS PROJECT. A COPY OF THE CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP) IS AVAILABLE THROUGH OFFICE ENGINEER PRIOR TO BIDDING.
524.

THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS TO SHELBY COUNTY.
525.

THE CONTRACTOR SHALL INSTALL BACKPLATES WITH A 2 INCH FLUORESCENT YELLOW REFLECTIVE BORDER ON ALL EXISTING AND REQUIRED SIGNAL HEADS AS SHOWN ON PLANS. BACKPLATES ON REQUIRED SIGNAL HEADS SHALL BE PAID FOR AS A SUBSIDIARY OF 730P. BACKPLATES ON EXISTING SIGNAL HEADS SHALL BE PAID FOR AS A SUBSIDIARY OF 730Q.
526.

WHEN LUMINAIRES PAID FOR AS A SUBSIDIARY OF 730N ARE INCLUDED, THE RELATED PHOTODETECTORS MAY BE MOUNTED ON THE TOP OR SIDE OF THE SIGNAL CABINET WHERE NO SHADOWS ARE EXPECTED TO BE CAST ON THE CABINET THAT WOULD IMPAIR THE FUNCTION OF THE PHOTOCELL WHEN COMPARED TO MOUNTING ON THE DISCONNECT POLE IN ITS TRADITIONAL LOCATION. WHERE THE EFFECT OF SHADOWS IS UNCERTAIN, THE CONTRACTOR SHALL MOUNT THE PHOTODETECTOR IN ITS STANDARD LOCATION.
527.

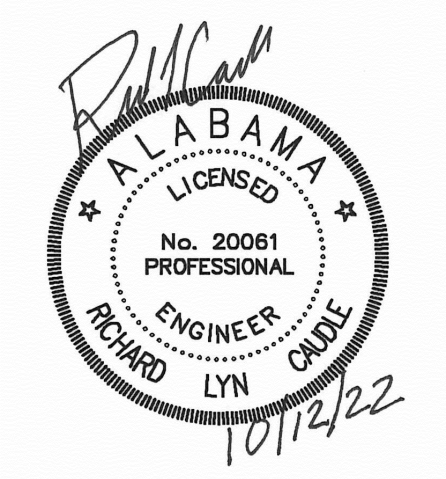
WHEN IMSA SIGNAL CABLE 20-1 IS USED THAT IS 7C OR LARGER, THE CONTRACTOR SHALL CLEARLY TAG AND MARK IN THE CONTROLLER CABINET THE SIGNAL INDICATION EACH CONDUCTOR CONNECTS TO WHERE THE CONDUCTOR JACKET DOES NOT MATCH IN COLOR THE ASSOCIATED SIGNAL HEAD COLOR.
528.

ON ALL LOOPS, THE CONTRACTOR SHALL BE REQUIRED TO PERFORM A LEAKAGE TO GROUND TEST USING A MEG-OHM METER WITH 500 VOLTS APPLIED. THE LOOPS SHALL ALSO BE TESTED AFTER THE LEADS (HOME RUN) ARE PULLED TO THE AMPLIFIER TO BY A STATE INSPECTOR CHECKING FOR LEAKAGE. ANY LOOP FAILING TO READ 100 MEGS OR BETTER WILL NOT BE ACCEPTED AND SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
529.

TRAFFIC SIGNAL CONTROLLER SHALL BE AN 8 PHASE ECONOLITE COBALT WITH EOS OPERATING SYSTEM.
530.

TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE A BASE MOUNTED ECONOLITE TS2-TYPE 1, 16 POS (CAB #16497).
531.

PRIOR TO CONSTRUCTION, THE INSTALLER SHALL CONTACT CODY LONG WITH THE SHELBY COUNTY HIGHWAY DEPARTMENT (205) 669-3880 TO SET INSPECTION SCHEDULES AND REQUIREMENTS.



SUMMARY OF QUANTITIES							REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
							SCP 59-889-18	2023	3
ROADWAY QUANTITY		TOTAL QUANTITY	UNIT	ITEM NO.	ITEM DESCRIPTION	PROJECT NOTES			
1		1	LUMP SUM	201A-002	CLEARING AND GRUBBING (MAX ALLOWABLE BID \$4000.00 PER ACRE)(APPROXIMATELY 0.3 ACRES)				
10		10	LINEAR FOOT	206D-000	REMOVING PIPE				
1		1	EACH	206E-000	REMOVING HEADWALLS				
213		213	CUBIC YARD	210A-000	UNCLASSIFIED EXCAVATION				
162		162	CUBIC YARD	210D-001	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)				
9		9	CUBIC YARD	214A-000	STRUCTURE EXCAVATION				
3		3	CUBIC YARD	214B-000	FOUNDATION BACKFILL				
5		5	RBST	230A-000	ROADBED PROCESSING	202			
682		682	SQUARE YARD	301A-020	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 8" COMPACTED THICKNESS				
50		50	TON	305B-077	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE				
666		666	SQUARE YARD	401A-000	BITUMINOUS TREATMENT A				
52		52	GALLON	405A-000	TACK COAT				
1		1	MILE	407B-000	JOINT SEALANT FOR HOT MIX ASPHALT PAVEMENT				
60		60	TON	424A-361	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D				
82		82	TON	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D				
25		25	LINEAR FOOT	530A-104	36" ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)				
1		1	LUMP SUM	600A-000	MOBILIZATION				
2		2	EACH	602A-000	RIGHT OF WAY MARKERS				
52		52	SQUARE YARD	610D-003	FILTER BLANKET, GEOTEXTILE				
2		2	CUBIC YARD	620A-000	MINOR STRUCTURE CONCRETE				
1		1	EACH	619A-259	36" ROADWAY PIPE END TREATMENT, CLASS 2 (TRIPLE LINE)				
133		133	CUBIC YARD	650A-000	TOPSOIL				
1		1	ACRE	652A-100	SEEDING				
796		796	SQUARE YARD	654A-001	SOLID SODDING (BERMUDA)	302			
1		1	ACRE	656A-010	MULCHING				
1		1	ACRE	665A-000	TEMPORARY SEEDING				
1		1	TON	665B-001	TEMPORARY MULCHING				
500		500	SQUARE YARD	665E-000	POLYETHYLENE				
455		455	LINEAR FOOT	665J-002	SILT FENCE				
25		25	TON	665I-000	TEMPORARY RIPRAP, CLASS 2				
25		25	TON	665N-000	TEMPORARY COARSE AGGREGATE, ALDOT NUMBER 1				
455		455	LINEAR FOOT	665O-001	SILT FENCE REMOVAL				
48		48	LINEAR FOOT	665Q-002	WATTLE				
1		1	ACRE	666A-001	PEST CONTROL TREATMENT				
1		1	LUMP SUM	680A-001	GEOMETRIC CONTROLS				
100		100	LINEAR FOOT	701B-207	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)				
1147		1147	LINEAR FOOT	701G-253	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)				
1147		1147	LINEAR FOOT	701E-000	SOLID TEMPORARY TRAFFIC STRIPE				
266		266	SQUARE FOOT	703A-002	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A				
45		45	SQUARE FOOT	703B-002	TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A				
266		266	SQUARE FOOT	703D-002	TEMPORARY TRAFFIC CONTROL MARKINGS (PAINT)				
2		2	EACH	705A-030	PAVEMENT MARKERS, CLASS A-H, TYPE 2-C	300			
7		7	EACH	705A-031	PAVEMENT MARKERS, CLASS A-H, TYPE 1-A	300			
4		4	SQUARE FOOT	710A-126	CLASS 8, ALUMINUM FLAT SIGN PANELS 0.08" THICK OR STEEL FLAT SIGN PANELS 14 GAUGE (TYPE IX BACKGROUND)				
14		14	LINEAR FOOT	710B-021	ROADWAY SIGN POST (#3 U CHANNEL, GLAVANIZED STEEL OR 2", 14 GA SQUARE TUBULAR STEEL)				
1		1	LUMP SUM	730A-012	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT (PARTIAL)				
1		1	LUMP SUM	730C-000	FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT				
1		1	LUMP SUM	730C-030	FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT (TEMPORARY)				
1		1	EACH	730E-000	METAL TRAFFIC SIGNAL POLE FOUNDATION				
1		1	EACH	730G-001	METAL TRAFFIC SIGNAL STRAIN POLE				
1		1	EACH	730G-005	WOOD TRAFFIC SIGNAL STRAIN POLE				
100		100	LINEAR FOOT	730L-003	1" NON-METALLIC CONDUIT				
100		100	LINEAR FOOT	730L-005	2" NON-METALLIC CONDUIT				
1		1	EACH	730N-000	LUMINAIRE EXTENSION ASSEMBLY, 12 FOOT				
6		6	EACH	730P-022	VEHICULAR SIGNAL HEAD 12 INCH, 3 SECTION TYPE LED				
1		1	EACH	730P-023	VEHICULAR SIGNAL HEAD 12 INCH, 4 SECTION TYPE LED				
1		1	EACH	730R-041	CONTROLLER ASSEMBLY, TYPE NEMA, 16 CHANNELS				
1		1	EACH	730T-010	ELECTRICAL POWER SERVICE ASSEMBLY WITH WOOD POLE				
1		1	LUMP SUM	730-U-015	VIDEO DETECTION SYSTEM				
275		275	SQUARE FOOT	740B-000	CONSTRUCTION SIGNS				
40		40	EACH	740D-000	CHANNELIZING DRUMS				
50		50	EACH	740E-000	CONES (36 INCHES HIGH)				
4		4	EACH	740F-002	BARRICADES, TYPE III				
2		2	EACH	740I-002	WARNING LIGHTS, TYPE B				
50		50	EACH	740M-001	BALLAST FOR CONES				
2		2	EACH	742A-001	PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2				
	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE	
	DATE:	DATE:	DATE:	PERMIT			SUMMARY OF QUANTITIES	CR-17 @ CR-44	

SUMMARY OF QUANTITIES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	3-A

REQUIRED DRAINAGE STRUCTURE REMOVAL							
ROADWAY	BEGIN STATION	END STATION	SIDE	PLAN SHEET	DESCRIPTION	REMOVING PIPE	REMOVING HEADWALLS
						206D-000 (LIN FT)	206E-000 (EACH)
CR-17	16+10.38	16+25.95	RT	4	36" RCP (TRIPLE LINE)	10	1
TOTAL						10	1

REQUIRED DRAINAGE QUANTITIES																				
ROADWAY	STATION	TO	STATION	SIDE	SKEW	FROM INDEX NO.	TO INDEX NO.	PLAN SHEET	DRAINAGE SHEET	ROADWAY PIPE (CLASS 3 R.C.) (EXTENSION)	ROADWAY PIPE END TREATMENT, CLASS 2 (TRIPLE LINE)	STRUCTURE EXCAVATION	FOUNDATION BACKFILL	MINOR STRUCTURE CONCRETE	PIPE END TREATMENT SLOPE (X:1)	MAXIMUM FILL HEIGHT	STD OR SPEC DWG			
										530A-104	619A-259									
										36"	36"							214A-000	214B-000	620A-000
										(LIN FT)	(EACH)							(CU YD)	(CU YD)	(CU YD)
CR-17	16+10.38	TO	16+25.95	RT	0°35'09.67" LA	1	2	4	41	25	1	9	3	2	3	0.7	CC-530, HW-614-B			
TOTAL										25	1	9	3	2						

REQUIRED RIGHT OF WAY MARKERS						
ROADWAY	STATION	OFFSET	SIDE	RIGHT OF WAY MARKERS	STD OR SPEC DWG	REMARKS
				602A-000		
				EACH		
CR-17	13+64.41	+/- 30.80	RT	1	L	Tie to PRES
CR-17	15+25.53	+/- 31.96	RT	1	L	Tie to PRES
TOTAL				2		

	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			SUMMARY OF QUANTITIES	CR-17 @ CR-44

SUMMARY OF QUANTITIES																	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
																	SCP 59-889-18	2023	3-B
REQUIRED EROSION AND SEDIMENT CONTROL																			
ROADWAY	BEGIN STATION	END STATION	FILTER BLANKET, GEOTEXTILE	TOPSOIL	SEEDING	SOLID SODDING (BERMUDA)	MULCHING	TEMPORARY SEEDING	TEMPORARY MULCHING	POLYETHYLENE	TEMPORARY RIPRAP, CLASS 2	SILT FENCE	TEMPORARY COARSE AGGREGATE, ALDOT NUMBER 1	SILT FENCE REMOVAL	WATTLE	PEST CONTROL TREATMENT	STD OR SPEC DWG	REMARKS	
			610D-003	650A-000	652A-100	654A-001	656A-010	665A-000	665B-001	665E-000	665I-000	665J-002	665N-000	665O-001	665Q-00	666A-001			
			(SQ YD)	(CU YD)	(ACRE)	(SQ YD)	(ACRE)	(ACRE)	(TON)	(SQ YD)	(TON)	(LIN FT)	(TONS)	(LIN FT)	(LIN FT)	(ACRE)			
CR-17	11+18.10	17+32.30	52	133	0.16	796	0.16	0.16	0.16	500	25	455	25	455	48	0.16		RIPRAP TO BE USED FOR ROCK DITCH CHECKS	
TOTAL			52	133	1	796	1	1	1	500	25	455	25	455	48	1			

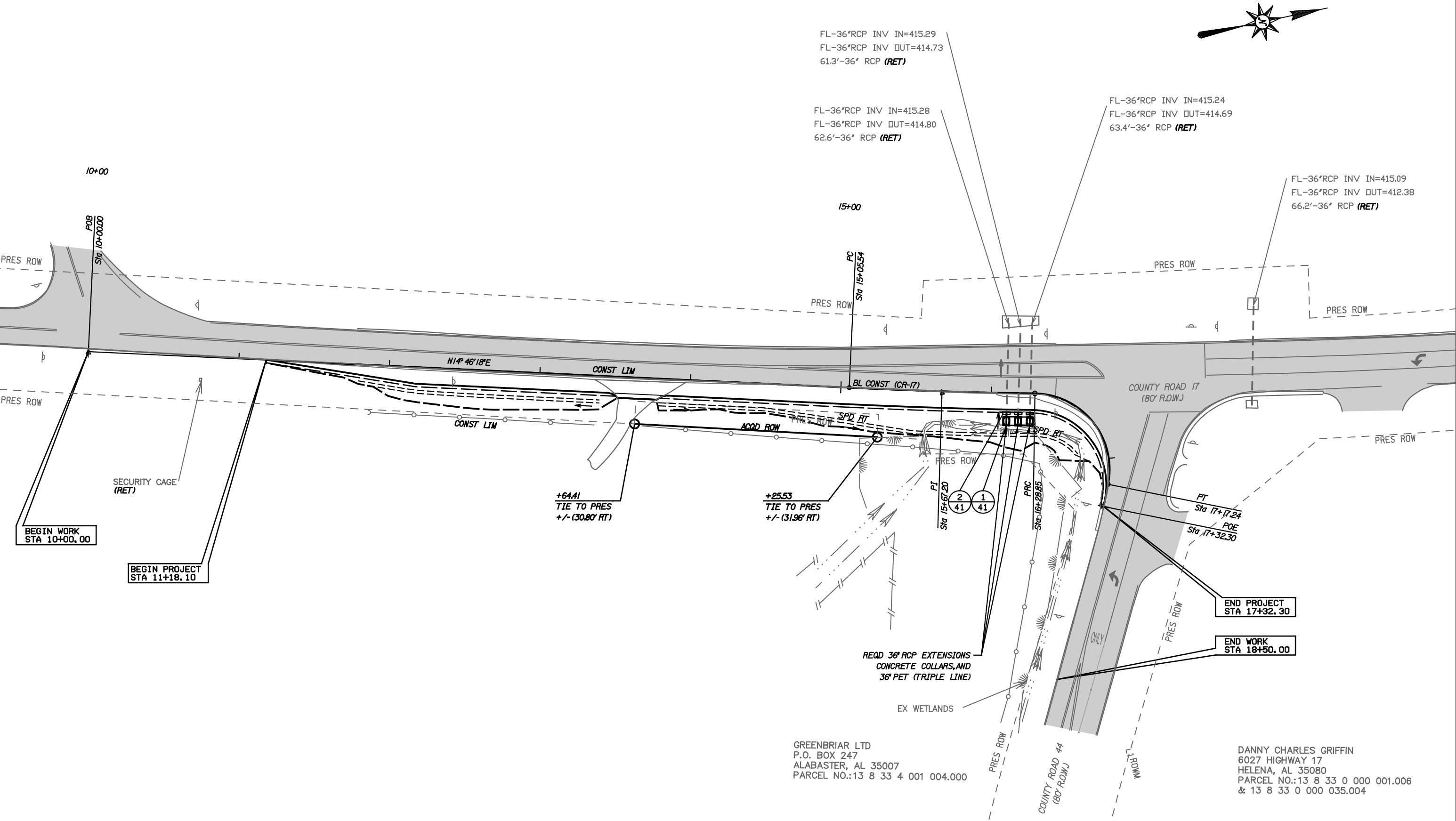
REQUIRED STRIPING, PAVEMENT MARKERS, MARKINGS AND LEGENDS													
ROADWAY	BEGIN STATION	END STATION	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	SOLID TEMPORARY TRAFFIC STRIPE	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A	TEMPORARY TRAFFIC CONTROL MARKINGS (PAINT)	PAVEMENT MARKERS, CLASS A-H, TYPE 2-C	PAVEMENT MARKERS, CLASS A-H, TYPE 1-A	STD OR SPEC DWG	PROJECT NOTES	
			701B-	701G-	701E-	703A-	703B-	703D-	705A-				
			207	253	000	002	002	030	031				
			(LIN FT)	(LIN FT)	(LIN FT)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)			
CR-17	11+18.10	17+32.30	100	1147	1147	266	45	266	2	7	A,B,D	300	
TOTAL			100	1147	1147	266	45	266	2	7			

REQUIRED GROUND MOUNTED SIGNS									
SIGN ID NUMBER	SIGNING PLAN SHEET NO.	STATION	ROADWAY	SIDE	ROADWAY SIGN POST (#3 U-CHANNEL, GALVANIZED STEEL OR 2", 14 GA SQUARE TUBULAR STEEL)	NO. OF POSTS	R1-2	CLASS 8, ALUMINUM FLAT SIGN PANELS 0.08" THICK OR STEEL FLAT SIGN PANELS 14 GAUGE (TYPE IX BACKGROUND)	STD OR SPEC DWGS
					710B-021			710A-126	
					(LIN FT)			SQ FT	
					1			6	
TOTAL					14			4	

	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			SUMMARY OF QUANTITIES	CR-17 @ CR-44

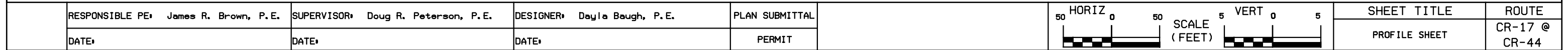
PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	4



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ	30 0 30 SCALE (FEET)	SHEET TITLE		ROUTE	
						PLAN SHEET		CR-17 @ CR-44	

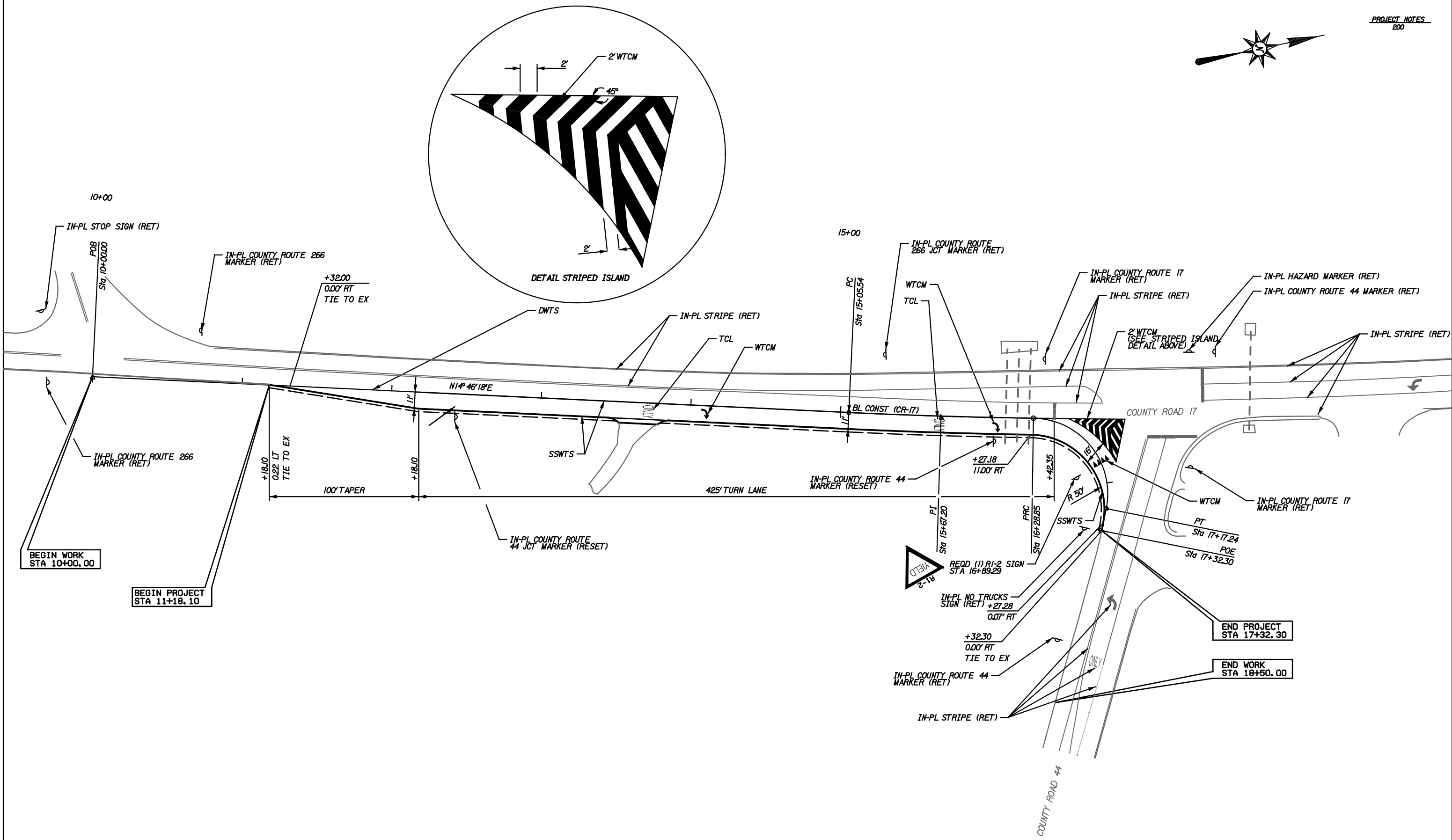
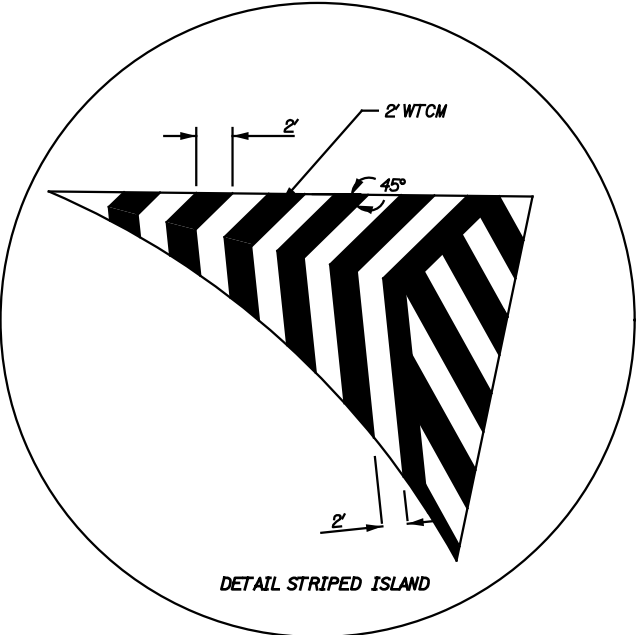
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	4-A



PAVING LAYOUT, SIGNING AND STRIPING SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	6

PROJECT NOTES
200

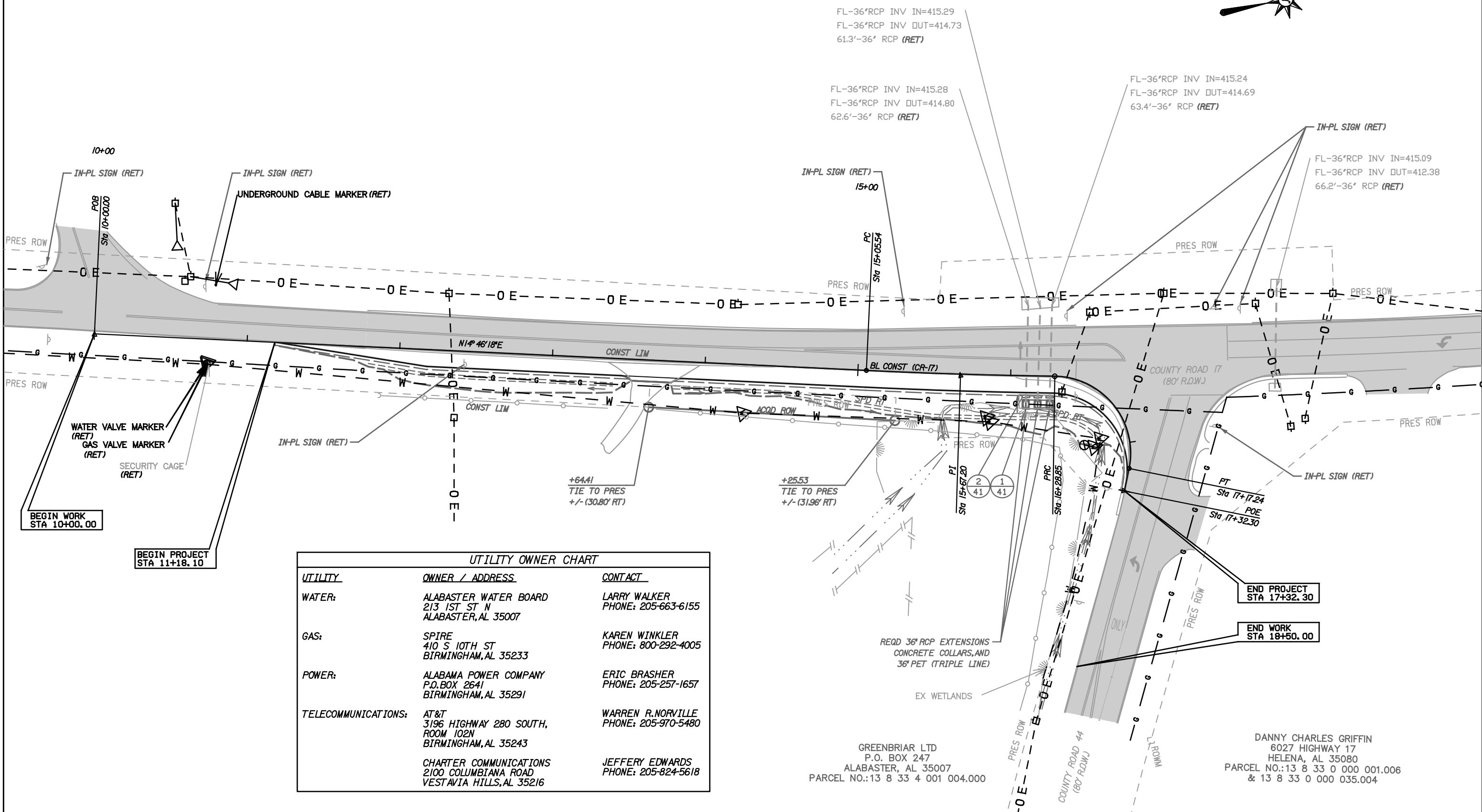


RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE PAVING LAYOUT, SIGNING AND STRIPING SHEET	ROUTE CR-17 @ CR-44
DATE:	DATE:	DATE:	PERMIT			

UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	8

PROJECT NOTES
800



UTILITY OWNER CHART		
UTILITY	OWNER / ADDRESS	CONTACT
WATER:	ALABASTER WATER BOARD 213 1ST ST N ALABASTER, AL 35007	LARRY WALKER PHONE: 205-663-6155
GAS:	SPIRE 410 S 10TH ST BIRMINGHAM, AL 35233	KAREN WINKLER PHONE: 800-292-4005
POWER:	ALABAMA POWER COMPANY P.O. BOX 2641 BIRMINGHAM, AL 35291	ERIC BRASHER PHONE: 205-257-1657
TELECOMMUNICATIONS:	AT&T 3196 HIGHWAY 280 SOUTH, ROOM 102N BIRMINGHAM, AL 35243	WARREN R. NORVILLE PHONE: 205-970-5480
	CHARTER COMMUNICATIONS 2100 COLUMBIANA ROAD VESTAVIA HILLS, AL 35216	JEFFERY EDWARDS PHONE: 205-824-5618

RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ	SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT			UTILITY PLAN SHEET	CR-17 @ CR-44

TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION AND QUANTITIES

NOTES:

• ANY WORK CAN BE PERFORMED CONCURRENTLY, WITH THE APPROVAL OF THE ENGINEER, AS LONG AS IT DOES NOT CONFLICT WITH ANOTHER SEQUENCED ITEM OF WORK.

SEQUENCE OF CONSTRUCTION

PHASE I:

• INSTALL ADVANCED WARNING SIGNS AND APPLICABLE TRAFFIC CONTROL DEVICES.

PHASE II:

• UTILIZE THE TRAFFIC CONTROL STANDARD DETAILS TO CONSTRUCT THE GRADING, DRAINAGE AND PAVING OPERATION FOR THE REQUIRED RIGHT TURN LANE THROUGH THE WEARING SURFACE.

• PLACE TEMPORARY STRIPE IN THE PERMANENT LOCATIONS.

• CONSTRUCT TEMPORARY TRAFFIC SIGNAL.

PHASE III:

• INSTALL THE REQUIRED PERMANENT STRIPING, MARKINGS, SIGNING, AND MARKERS AS SHOWN ON THE SIGNING AND STRIPING LAYOUT SHEETS.

• COMPLETE ANY REMAINING ITEMS OF WORK.

• REMOVE ANY REMAINING TRAFFIC CONTROL DEVICES.

CONSTRUCTION SIGNS (740B-000)

SIGN NO	DESCRIPTION	SIZE	QUANTITY	AREA (SQ FT)	TOTAL AREA (SQ FT)	STD DWG NO	SIGN MOUNT
G20-2	END ROAD WORK	48"X24"	2	8.00	16	SHS-30	P
R2-1	SPEED LIMIT 30 MPH	24"X30"	2	5.00	10	SHS-1	P
R2-1	SPEED LIMIT 35 MPH	24"X30"	2	5.00	10	SHS-1	P
R2-1	SPEED LIMIT 40 MPH	24"X30"	2	5.00	10	SHS-1	P
R5-1	DO NOT ENTER	48"X30"	2	6.25	12.5	SHS-3	B
R11-2	ROAD CLOSED	48"X30"	2	10.00	20	SHS-8	B
W3-5b	REDUCED SPEED AHEAD	48"X48"	2	16.00	32	SHS-26	P
W20-1	ROAD WORK AHEAD	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 500 FT	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 1000 FT	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 1500 FT	48"X48"	2	16.00	32	SHS-29	P
W20-4	ONE LANE AHEAD	36"X36"	2	9.00	18	SHS-29	P
W20-7	FLAGGER	36"X36"	2	9.00	18	SHS-29	P
TOTAL AREA					275		

LEGEND:
P: POST
B: BARRICADE
T: TEMPORARY

740B-000	CONSTRUCTION SIGNS	SQ FT	275	TCD-100, IHS-710-12, IHS-710-21, IHS-710-23
740D-000	CHANNELIZING DRUMS	EACH	40	TCD-100
740E-000	CONES (36 INCHES HIGH)	EACH	50	TCD-100
740F-002	BARRICADES, TYPE III	EACH	4	B-107-2
740I-002	WARNING LIGHTS, TYPE B	EACH	2	B-107-2
740M-001	BALLAST FOR CONES	EACH	50	TCD-100
742A-001	PORTABLE CHANGEABLE MESSAGE SIGN, TYPE 2	EACH	2	PCMS-710

RESPONSIBLE PE: James R. Brown, P.E.

DATE:

SUPERVISOR: Doug R. Peterson, P.E.

DATE:

DESIGNER: Dayla Baugh, P.E.

DATE:

PLAN SUBMITTAL

PERMIT

NOT TO SCALE

SHEET TITLE

TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION AND QUANTITIES

ROUTE

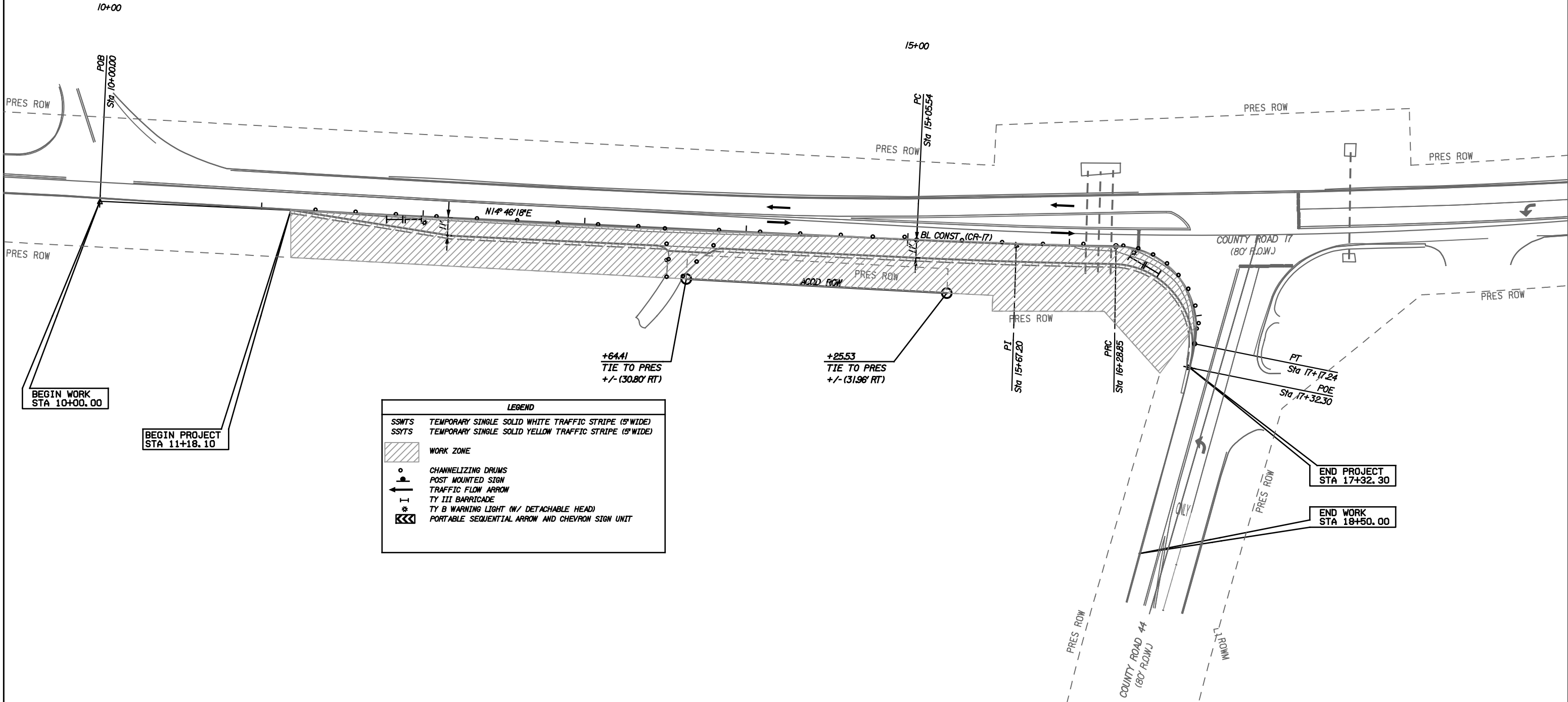
CR-17 @ CR-44

TRAFFIC CONTROL PLAN
PHASE II

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	11



TRAFFIC CONTROL NOTES
700,701,702,703,704,705,707,
708,710,711,712,713,715,716,
718,720,725,727,729,732,733,
734,735,736,737,739,740,742,
744,746,747,749,751,752,753

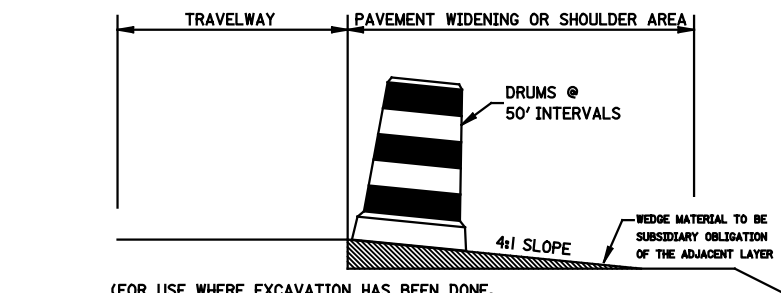


LEGEND	
SSWTs	TEMPORARY SINGLE SOLID WHITE TRAFFIC STRIPE (5' WIDE)
SSYTs	TEMPORARY SINGLE SOLID YELLOW TRAFFIC STRIPE (5' WIDE)
	WORK ZONE
	CHANNELIZING DRUMS
	POST MOUNTED SIGN
	TRAFFIC FLOW ARROW
	TY III BARRICADE
	TY B WARNING LIGHT (W/ DETACHABLE HEAD)
	PORTABLE SEQUENTIAL ARROW AND CHEVRON SIGN UNIT

RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ	50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT			TRAFFIC CONTROL PLAN	CR-17 @ CR-44

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	12

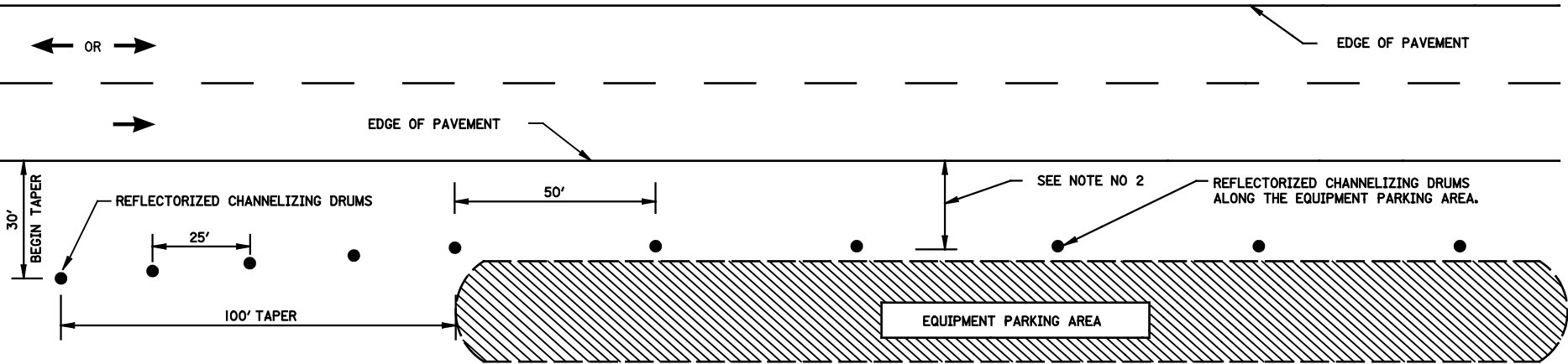


(FOR USE WHERE EXCAVATION HAS BEEN DONE, BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT DROP OFF OF RESURFACING PROJECTS IS 3' OR MORE AT NIGHTFALL)

TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

NOTE: THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE. THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ADJACENT LAYER.

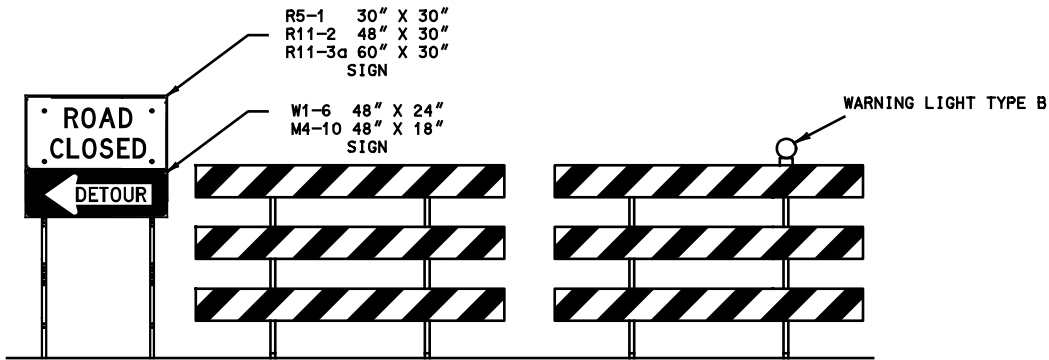
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.



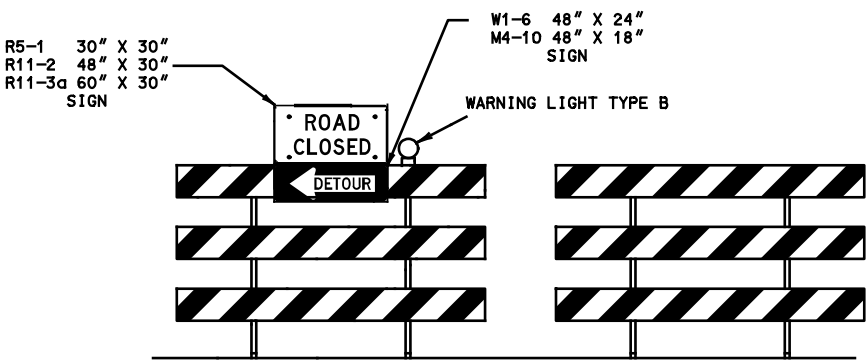
NOTES:

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.

RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		TRAFFIC CONTROL PLAN	CR-17 @ CR-44

--SPECIFICATIONS--

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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.

REVISIONS

--	--

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

STANDARD DETAILS FOR TRAFFIC CONTROL PLANS

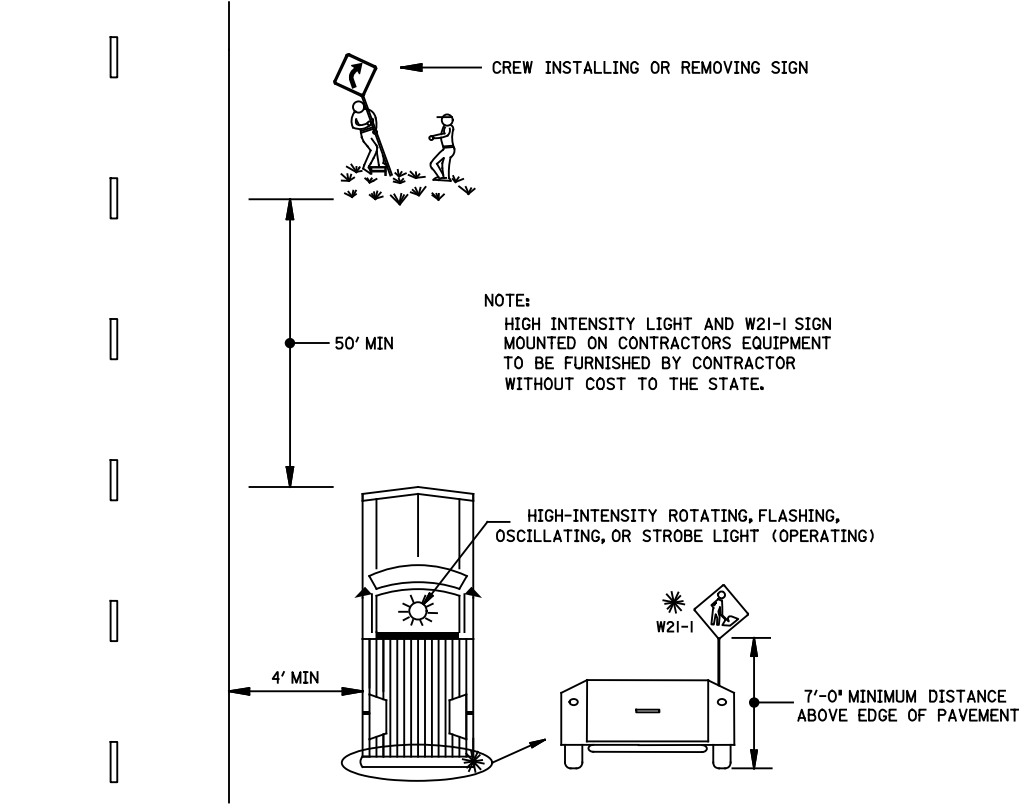
DRAWN BY: _____
DATE DRAWN: 9/8/2014

SPECIAL DRAWING NO. _____
SPECIAL PROJECT DETAIL

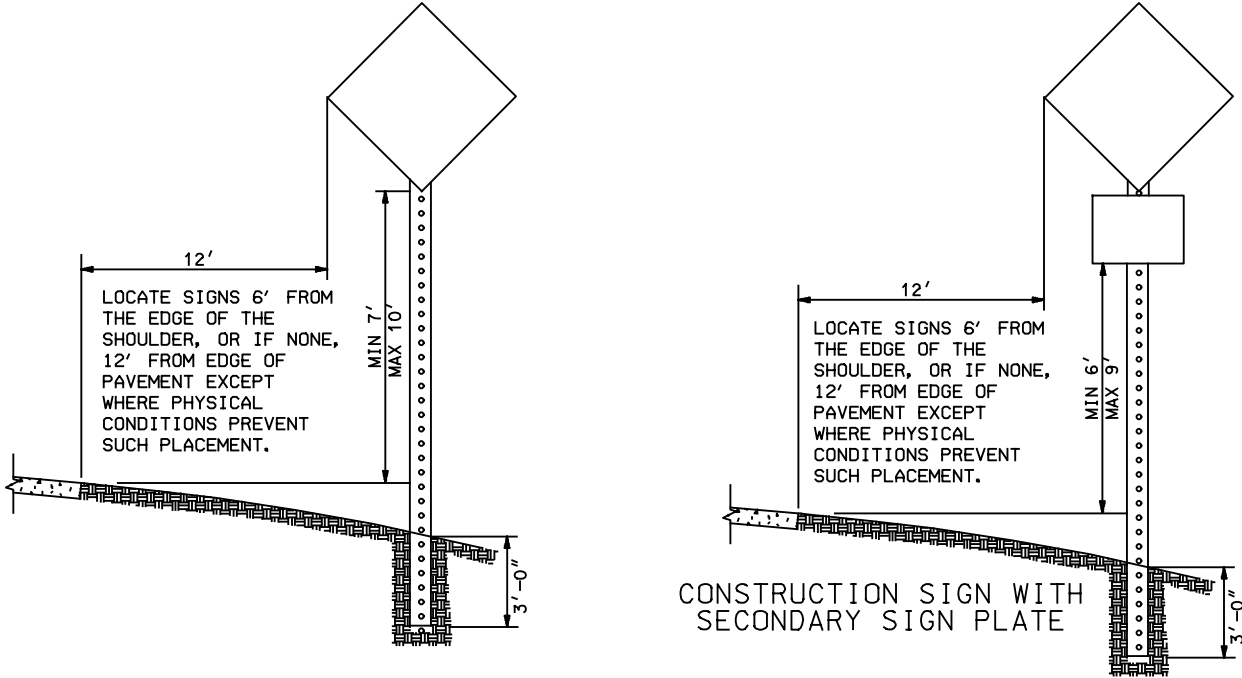
INDEX NO. 2001

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	13

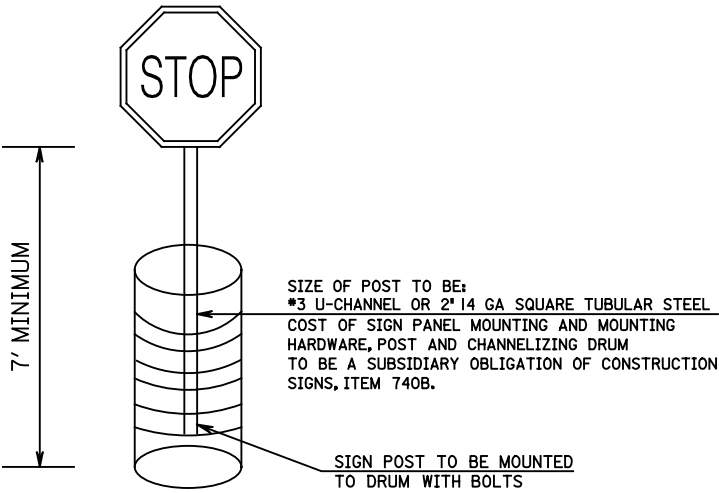


TYPICAL METHOD FOR INSTALLING OR
REMOVING CONSTRUCTION SIGNS



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

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.

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: 9/8/2014

SPECIAL PROJECT DETAIL

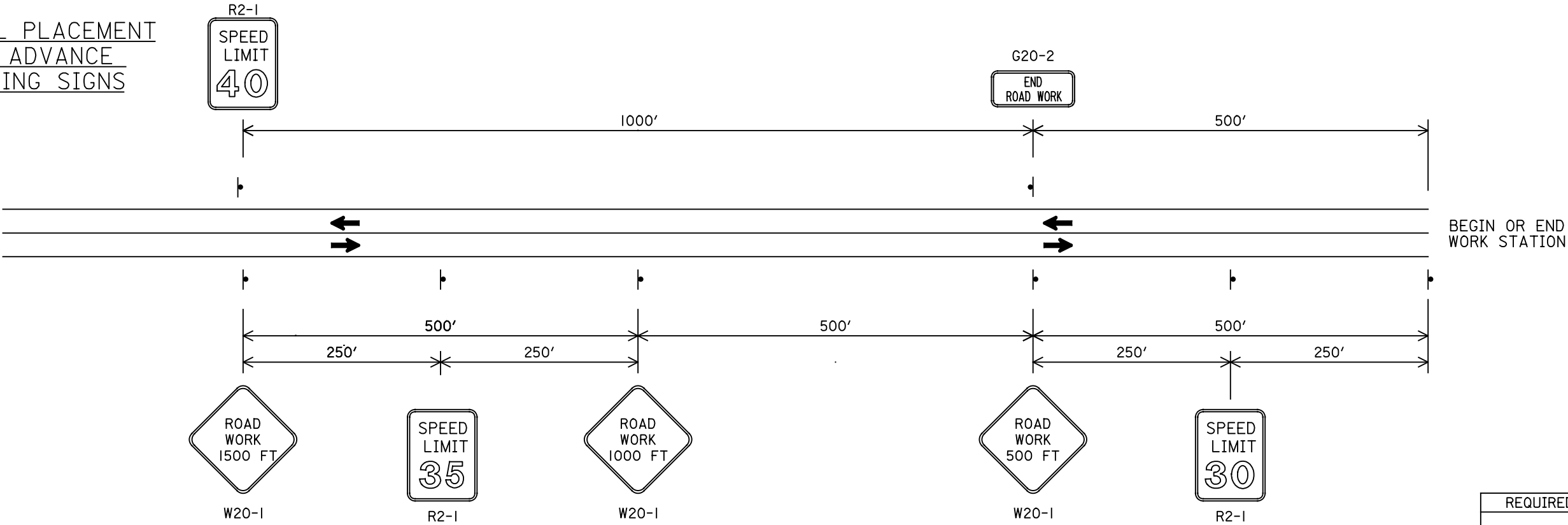
INDEX NO.
2001A

RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	NOT TO SCALE	SHEET TITLE TRAFFIC CONTROL PLAN	ROUTE CR-17 @ CR-44
DATE:	DATE:	DATE:	PERMIT			

TEMPORARY TRAFFIC CONTROL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	14

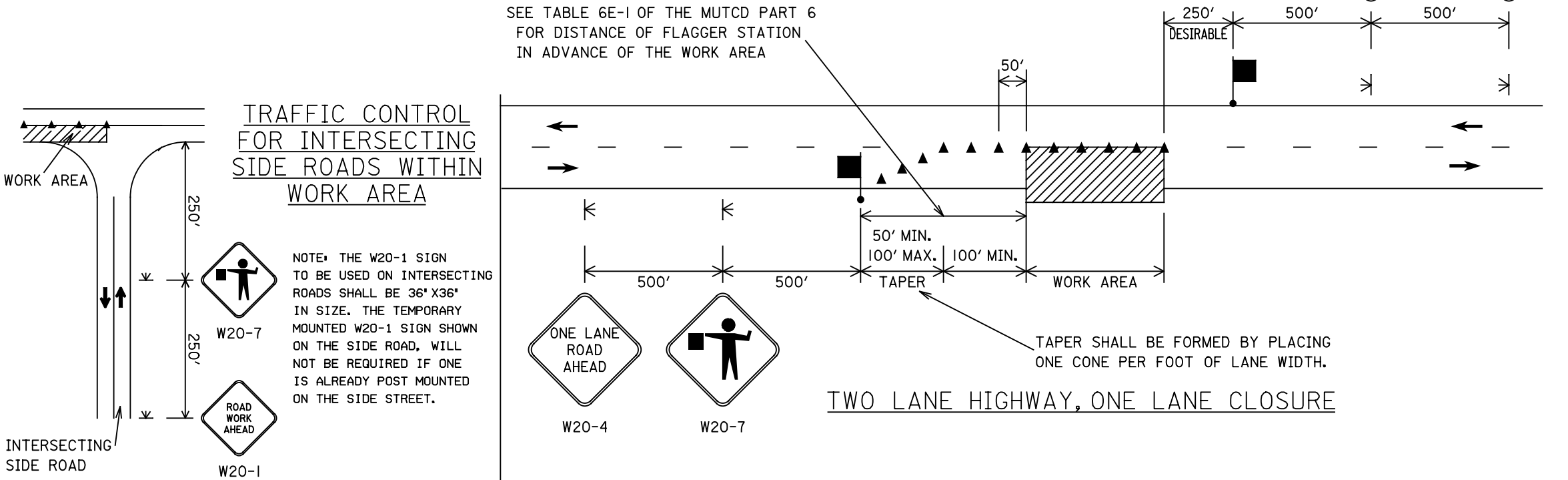
TYPICAL PLACEMENT
FOR ADVANCE
WARNING SIGNS



GENERAL NOTES

1. ALL ADVANCE WARNING SIGNS REQUIRED AT THE BEGINNING AND END OF PROJECT SHALL BE POST MOUNTED. ALL SIGNS REQUIRED FOR THE LANE CLOSURE SHALL BE TEMPORARY MOUNTED.

REQUIRED SIGN SIZES	
G20-2	48" X 24"
R2-1	24" X 30"
W3-5b	48" X 48"
R16-3	48" X 60"
R16-3a	48" X 48"
W20-1	48" X 48"
W20-4	48" X 48"
W20-7	48" X 48"



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. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING
DETAILS FOR TRAFFIC CONTROL
FOR TWO LANE HIGHWAYS

DRAWN BY: _____ INDEX NO. _____
DATE DRAWN: 10/30/2012 SPECIAL PROJECT DETAIL

RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL
DATE: _____	DATE: _____	DATE: _____	PERMIT

NOT TO SCALE

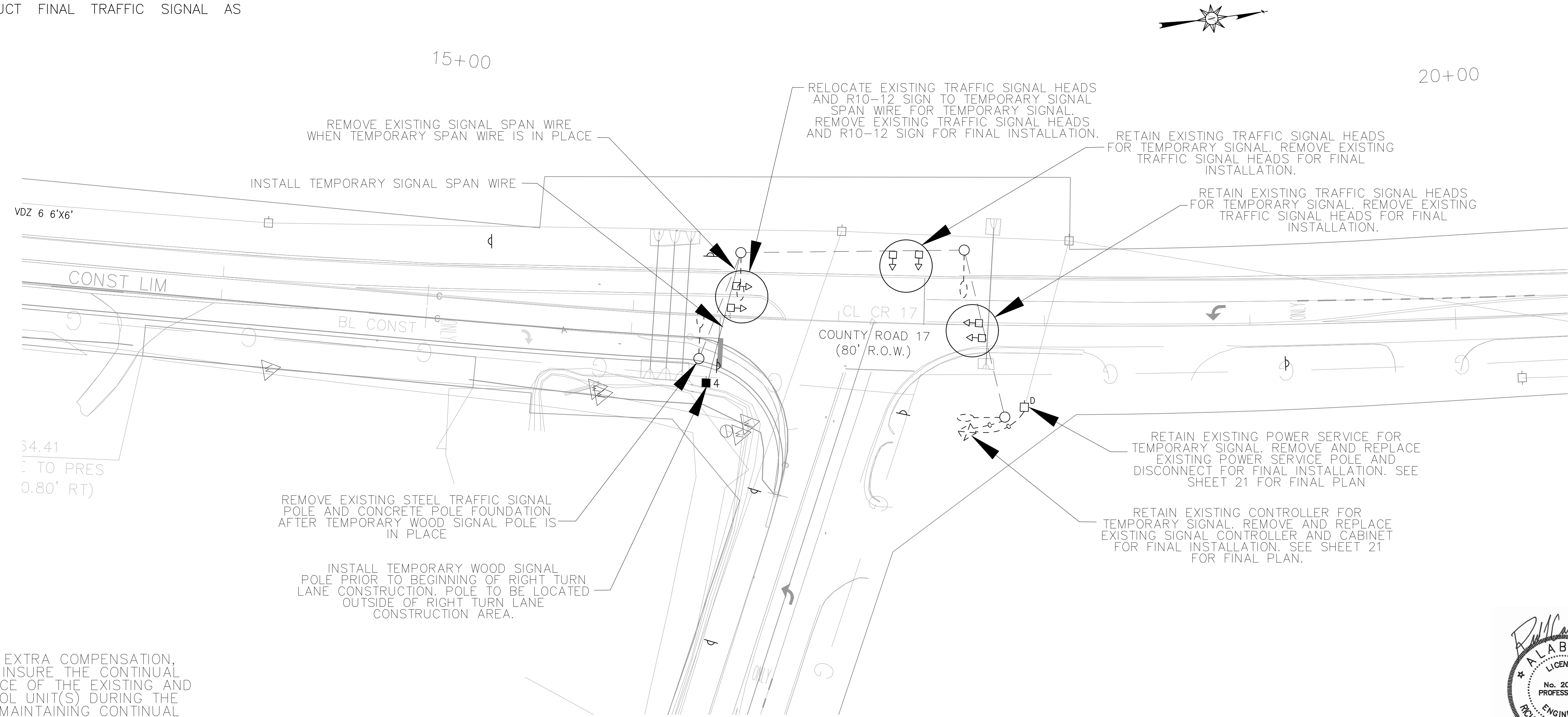
SHEET TITLE	ROUTE
TRAFFIC CONTROL PLAN	CR-17 @ CR-44

SIGNAL REMOVAL PLAN/TEMPORARY TRAFFIC SIGNAL PLAN LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
18-0340	2023	20

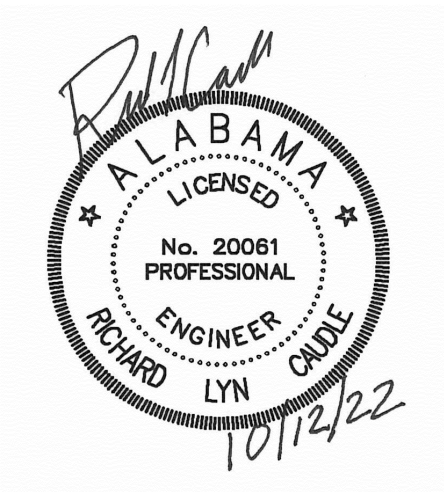
SIGNAL CONSTRUCTION SEQUENCE:

1. SUBMIT REQUIRED SHOP DRAWINGS FOR TEMPORARY SIGNAL.
2. AFTER SHOP DRAWINGS ARE APPROVED, CONSTRUCT TEMPORARY WOOD SIGNAL POLE AND SPAN WIRE. RELOCATE EXISTING SIGNAL HEADS AND R10-12 SIGN TO NEW SPAN WIRE.
3. SUBMIT REQUIRED SHOP DRAWINGS FOR FINAL SIGNAL.
4. AFTER SHOP DRAWINGS ARE APPROVED, PROCURE SIGNAL EQUIPMENT AND CONSTRUCT FINAL TRAFFIC SIGNAL AS SHOWN ON SHEET 21.



NOTES:

1. THE CONTRACTOR, WITHOUT EXTRA COMPENSATION, SHALL BE RESPONSIBLE TO INSURE THE CONTINUAL OPERATION AND MAINTENANCE OF THE EXISTING AND TEMPORARY TRAFFIC CONTROL UNIT(S) DURING THE PERIOD OF CONSTRUCTION. MAINTAINING CONTINUAL OPERATION SHALL INCLUDE THE RELOCATION OF VEHICULAR SIGNAL HEADS DURING CONSTRUCTION AND THE MATERIALS AND LABOR NECESSARY TO INSURE THE CONTINUAL OPERATION OF THE TRAFFIC CONTROL UNIT(S) EQUIPMENT AT ALL TIMES.
2. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING CONTROLLER CABINET AND CONCRETE FOUNDATION. CONTRACTOR SHALL RE-ESTABLISH GRADE AND SOD OVER THE DISTURBED AREA.



SKIPPER
CONSULTING INC
3644 VANN ROAD SUITE 100
BIRMINGHAM, ALABAMA 35235
TELEPHONE: (205)655-8855

RESPONSIBLE PE: Richard L. Caudle, P.E.	SUPERVISOR:	DESIGNER:	PLAN SUBMITTAL	SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
DATE: October 12, 2022	DATE:	DATE:				SIGNAL REMOVAL PLAN/TEMPORARY TRAFFIC SIGNAL PLAN LAYOUT	CR 17

TRAFFIC SIGNAL PLAN LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
18-0340	2023	21

CONDUIT AND CONDUCTOR SCHEDULE			
CONDUIT	CONDUCTOR	FROM	TO
1-1" PVC	CONTROLLER POWER CABLE	DISCONNECT SWITCH	TRAFFIC SIGNAL CONTROLLER
1-1" PVC	LUMINAIRE POWER CABLE	DISCONNECT SWITCH	POLE 1
-	VIDEO DETECTION CABLE LUMINAIRE POWER CABLE	VDZ 6 LUMINAIRE	POLE 4 POLE 4 POLE 3
-	VIDEO DETECTION CABLE LUMINAIRE POWER CABLE		
-	10C SIGNAL CABLE 4C SIGNAL CABLE	SIGNAL HEADS SIGNAL HEADS 2	POLE 3
-	10C SIGNAL CABLE 4C SIGNAL CABLE	POLE 3	POLE 2
-	VIDEO DETECTION CABLE LUMINAIRE POWER CABLE	VDZ 5 LUMINAIRE	POLE 3
-	4C SIGNAL CABLE	SIGNAL HEADS 4, 4A	POLE 2
-	VIDEO DETECTION CABLE LUMINAIRE POWER CABLE	VDZ 2, 4 LUMINAIRE	POLE 2
-	VIDEO DETECTION CABLE LUMINAIRE POWER CABLE 10C SIGNAL CABLE 4C SIGNAL CABLE	POLE 2	POLE 1
-	4C SIGNAL CABLE	SIGNAL HEADS 6	POLE 1
3-2" PVC	VIDEO DETECTION CABLE 10C SIGNAL CABLE 4C SIGNAL CABLE	POLE 1	TRAFFIC SIGNAL CONTROLLER

LOCAL CONTROLLER PROGRAMMING CHART													
PHASE	MIN INITIAL	DENSITY ACTIVE	PASSAGE	YELLOW	ALL RED	MAX 1	MAX 2	WALK	FDW	PED OMIT	MIN RECALL	PHASE OMIT	NON- LOCK
1		N								Y	N	Y	Y
2	10	N	3.8	4.3	1.9	60	60			Y	N	N	Y
3		N								Y	N	Y	Y
4	8	N	3.0	4.0	2.7	40	40			Y	N	N	Y
5	6	N	3.0	4.3	1.4	25	25			Y	N	N	Y
6	10	N	3.8	4.3	1.9	60	60			Y	N	N	Y
7		N								Y	N	Y	Y
8		N								Y	N	Y	Y

REQUIRED SIGNS

**SIGN A
R10-12a**



30" X 36"

PHASING DIAGRAM

1 OMIT	2 ←	3 OMIT	4 ↑
5 ↶	6 →	7 OMIT	8 OMIT

REQUIRED SIGNAL HEADS

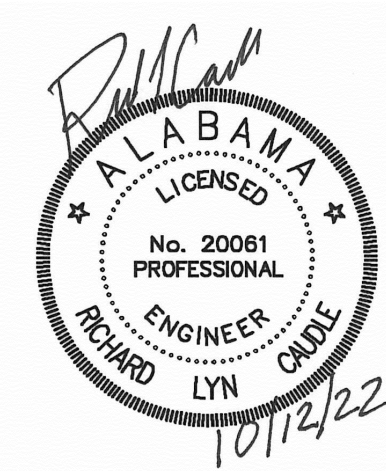
5	2,6	4A	4B
---	-----	----	----

- NOTES:
- CONTRACTOR SHALL MAINTAIN SIGNAL IN OPERATION AT ALL TIMES. A POLICE OFFICER IS REQUIRED WHEN SIGNAL IS OUT OF SERVICE.
 - EXISTING SIGNAL HEADS SHALL BE REMOVED AND REPLACED.
 - REPLACE ALL EXISTING #14 AWG IMSA 20-1 SIGNAL CABLE.
 - REPLACE ALL EXISTING LUMINAIRE FIXTURES WITH L.E.D. LUMINAIRE FIXTURES. COST OF NEW LUMINAIRE FIXTURES TO BE A SUBSIDIARY OBLIGATION OF PAY ITEM 730C-000.
 - REQUIRED LUMINAIRE ON POLE 4 SHALL BE L.E.D.
 - TRAFFIC SIGNAL CONTROLLER SHALL BE AN 8 PHASE ECONOLITE COBALT WITH EOS OPERATING SOFTWARE.
 - TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE A BASE MOUNTED ECONOLITE TS2-TYPE 1, 16 POS (CAB #16497).
 - CONTRACTOR SHALL COMPLETELY REMOVE EXISTING CONTROLLER CABINET AND FOUNDATION. CONTRACTOR SHALL RE-ESTABLISH GRADE AND SOD OVER THE DISTURBED AREA.

ESTIMATED EQUIPMENT AND MATERIAL SCHEDULE	
DESCRIPTION	
MISC. HARDWARE	
#14 SIGNAL CABLE, IMSA 20-1	

SUPPORTING STRUCTURES					
POLE NO.	POLE LENGTH (APPROX.)	POLE LOCATION (APPROX.)	LUMINAIRE ARM EXT. LENGTH (APPROX.)	COMMENTS	
1.	37FT	STA 17+79.47 RT45	12 FT	EXIST POLE	
2.	37FT	STA 17+59.92 LT36	12 FT	EXIST POLE	
3.	37FT	STA 16+50.59 LT31	12 FT	EXIST POLE	
4.	37FT	STA 16+46.37 RT45	12 FT	NEW POLE	

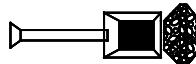
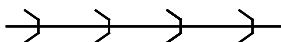

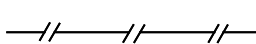
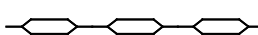



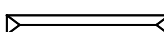

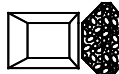

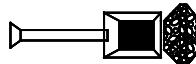
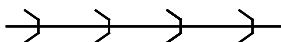

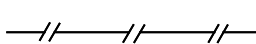
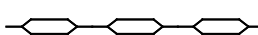



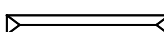

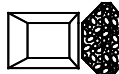




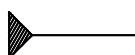













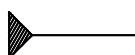










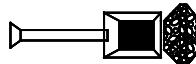
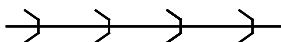

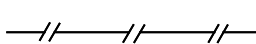
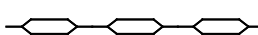



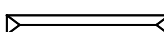

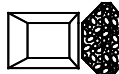




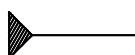











VIDEO DETECTION ZONE CHART					
ZONE	CAMERA	PHASE	SIZE	TYPE	COMMENTS
2A	VDC 2	2	6'X6'	PULSE	230' TO STOPLINE/EXTEND ONLY
2B	VDC 2	2	6'X50'	PRESENCE	CALL ONLY/NO EXTEND
4	VDC 4	4	6'X50'	PRESENCE	
4A	VDC 4	4	6'X50'	PRESENCE	5 SEC DELAY
5	VDC 5	5	6'X50'	PRESENCE	
6A	VDC 6	6	6'X6'	PULSE	230' TO STOPLINE/EXTEND ONLY
6B	VDC 6	6	6'X6'	PRESENCE	CALL ONLY/NO EXTEND



SKIPPER
CONSULTING INC

3644 VANN ROAD SUITE 100
BIRMINGHAM, ALABAMA 35235
TELEPHONE: (205)655-8855


RESPONSIBLE PE: Richard L. Caudle, P.E. DATE: October 12, 2022	SUPERVISOR: DATE:	DESIGNER: DATE:	PLAN SUBMITTAL	SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE		ROUTE	
						TRAFFIC SIGNAL PLAN LAYOUT		CR 17	

EROSION AND SEDIMENT CONTROL LEGEND						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO																																																				
						SCP 59-889-18	2023	30																																																				
BEST MANAGEMENT PRACTICES (BMP's)																																																												
<table><tr><td>TEMPORARY SLOPE DRAIN PIPE WITH ROCK DITCH CHECK AND SUMP EXCAVATION</td><td></td></tr><tr><td>TEMPORARY EARTH BERM</td><td></td></tr><tr><td>BRUSH BARRIER</td><td></td></tr><tr><td>SILT FENCE SEDIMENT BARRIER</td><td></td></tr><tr><td>FLOATING BASIN BOOM</td><td></td></tr><tr><td>HAY BALE DITCH CHECK</td><td></td></tr><tr><td>SAND BAG DITCH CHECK</td><td></td></tr><tr><td>WATTLE DITCH CHECK</td><td></td></tr><tr><td>SILT DIKE DITCH CHECK</td><td></td></tr><tr><td>ROCK DITCH CHECK</td><td></td></tr><tr><td>ROCK DITCH CHECK WITH SUMP EXCAVATION</td><td></td></tr><tr><td>SILT FENCE DITCH CHECK</td><td></td></tr></table>			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		<table><tr><td>INLET PROTECTION</td><td></td></tr><tr><td>STABILIZED CONSTRUCTION ENTRANCE</td><td></td></tr><tr><td>EROSION CONTROL PRODUCTS</td><td></td></tr><tr><td>SLOPE DRAIN</td><td></td></tr><tr><td>TEMPORARY EARTH BERM WITH POLYETHYLENE</td><td></td></tr><tr><td>DREDGE, FILL</td><td></td></tr><tr><td>PRIMARY STORMWATER DISCHARGE POINT</td><td></td></tr><tr><td>SECONDARY STORMWATER DISCHARGE POINT</td><td></td></tr><tr><td>BACKGROUND POINT</td><td></td></tr><tr><td>SEDIMENT RETENTION BARRIER</td><td></td></tr><tr><td>SOLID SODDING</td><td></td></tr><tr><td>TEMPORARY RIPRAP BERM</td><td></td></tr><tr><td>TEMPORARY SEDIMENTATION BASIN</td><td></td></tr><tr><td>PERMANENT DETENTION BASIN</td><td></td></tr></table>			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		<p><u>EROSION AND SEDIMENT CONTROL PHASES</u></p> <p>INITIAL PHASE - AS CLEARING BEGINS AND PRIOR TO ANY GRUBBING OR GRADING WORK.</p> <p>INTERMEDIATE PHASE - AS NEEDED. AS WORK IS ONGOING AND ADVANCING TOWARD COMPLETION.</p> <p>FINAL CONSTRUCTION - AS WORK IS COMPLETED AND PERMANENT VEGETATION IS ESTABLISHED.</p>		
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																																																												
						<div><div><p>--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION</p><p>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.</p><p>REVISIONS</p></div><div><p>ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050</p><p>DESIGN BUREAU SPECIAL DRAWING</p><p>EROSION & SEDIMENT CONTROL LEGEND</p></div><div><p>Bureau Std Engr: <u>L.Y.S.</u> DRAWN BY: <u>W.D.H.</u> DATE DRAWN: <u>10-14-16</u></p><p>SPECIAL DRAWING NO SPECIAL PROJECT DETAIL</p><p>INDEX NO</p></div></div>																																																						
RESPONSIBLE PE: James R. Brown, P.E.		SUPERVISOR: Doug R. Peterson, P.E.		DESIGNER: Dayla Baugh, P.E.		PLAN SUBMITTAL		NOT TO SCALE																																																				
DATE:		DATE:		DATE:		PERMIT																																																						
								ROUTE																																																				
								CR-17 @ CR-44																																																				

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	31

PROJECT NOTES
900,901



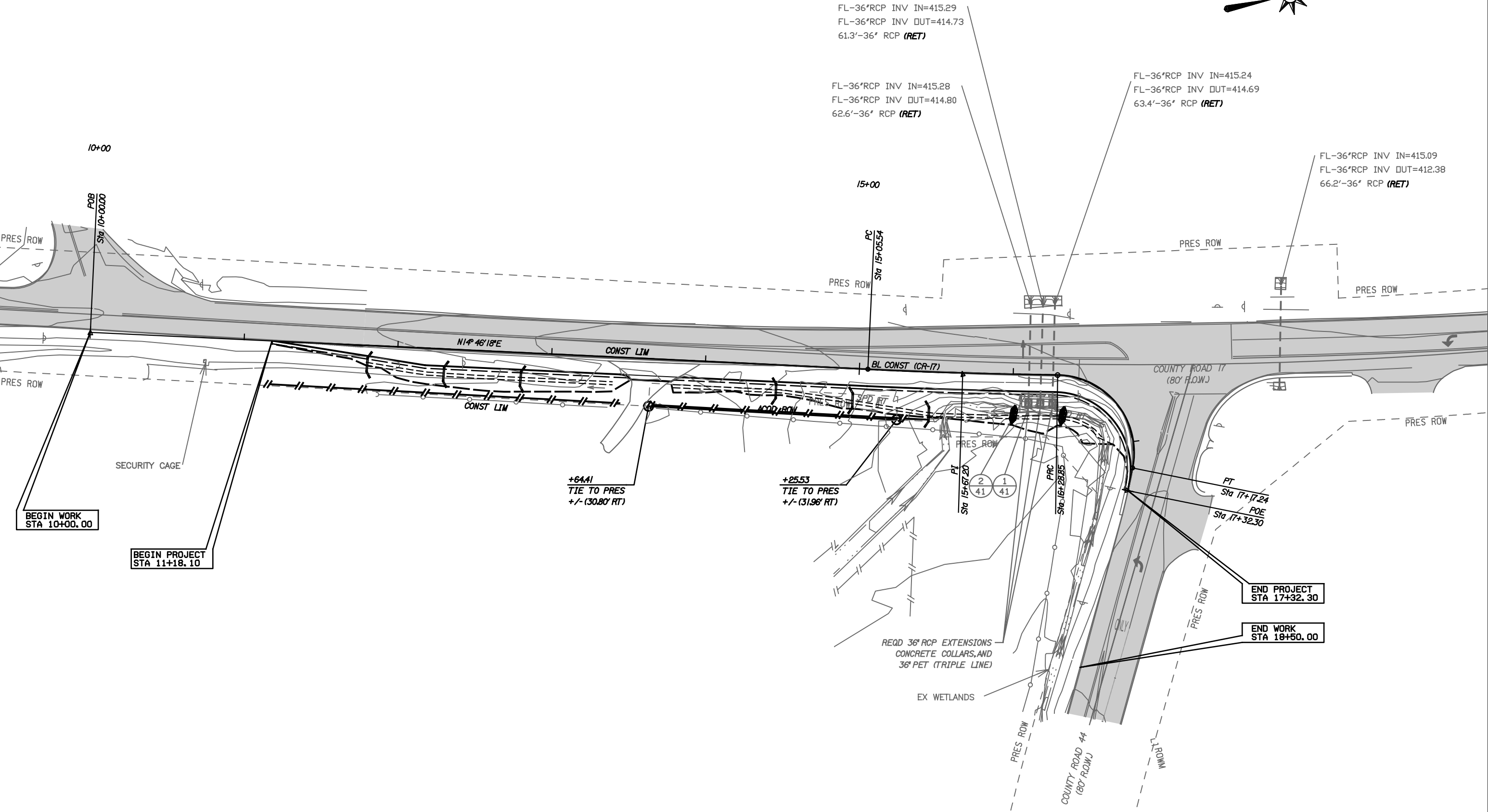
RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">HORIZ</div>  <div style="margin-left: 10px;">SCALE (FEET)</div> </div>	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		EROSION AND SEDIMENT CONTROL PLAN SHEET INITIAL PHASE	CR-17 @ CR-44

EROSION AND SEDIMENT CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	32

INTERMEDIATE PHASE

PROJECT NOTES
900,901



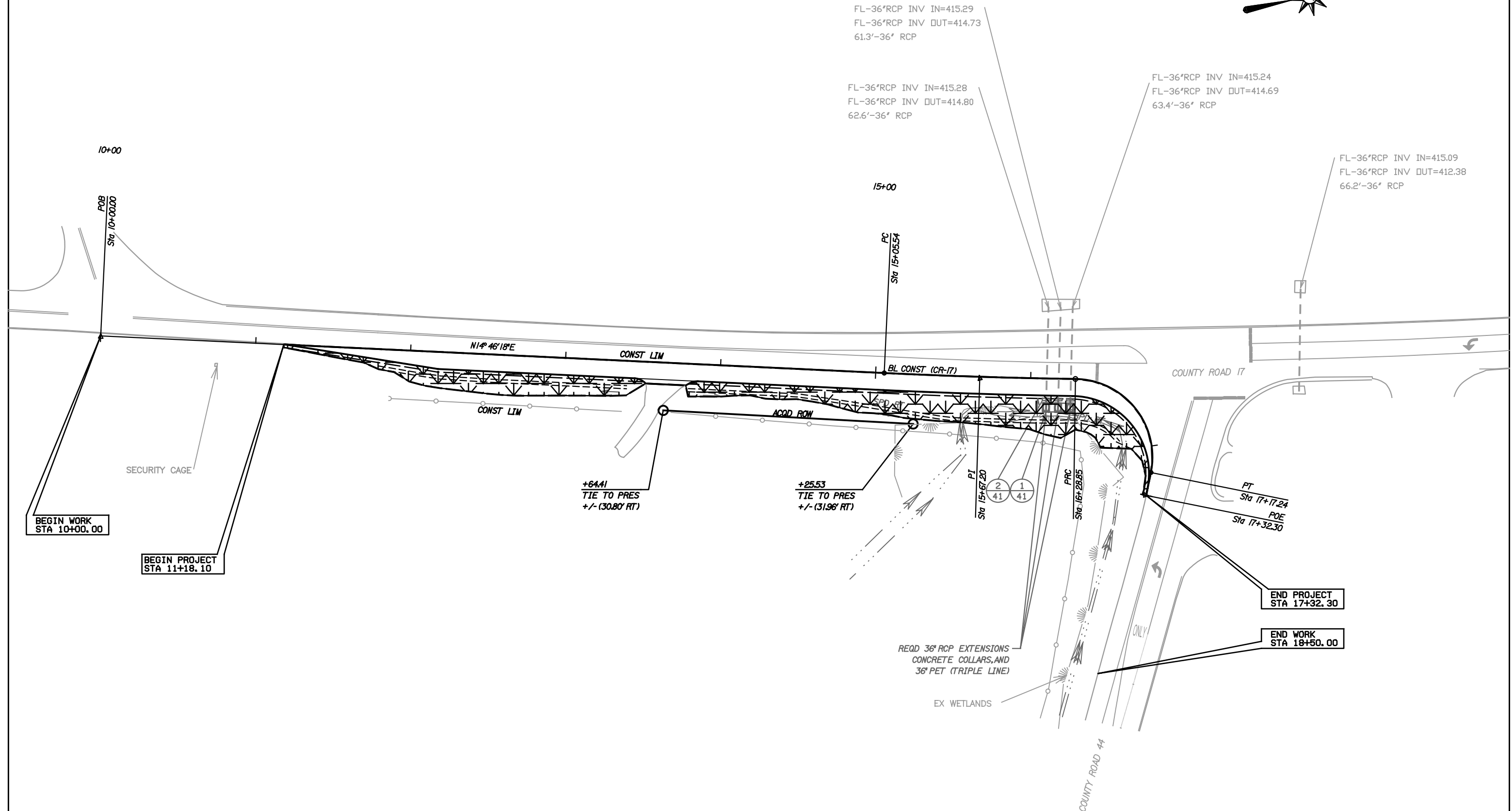
RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 30 0 30 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		EROSION AND SEDIMENT CONTROL PLAN SHEET INTERMEDIATE PHASE	CR-17 @ CR-44

EROSION AND SEDIMENT CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	33

FINAL CONSTRUCTION

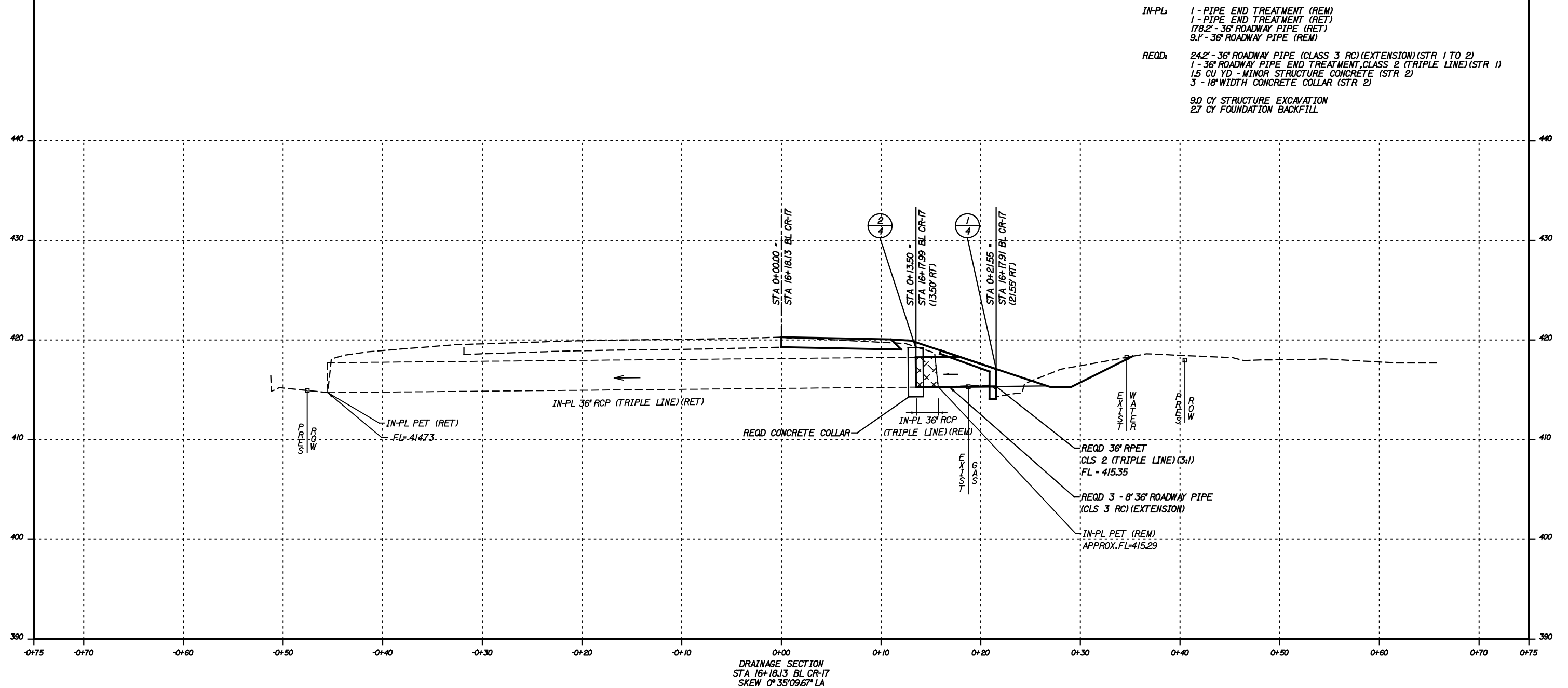
PROJECT NOTES
900,901



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ	SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT			EROSION AND SEDIMENT CONTROL PLAN SHEET FINAL CONSTRUCTION	CR-17 @ CR-44

DRAINAGE CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	41



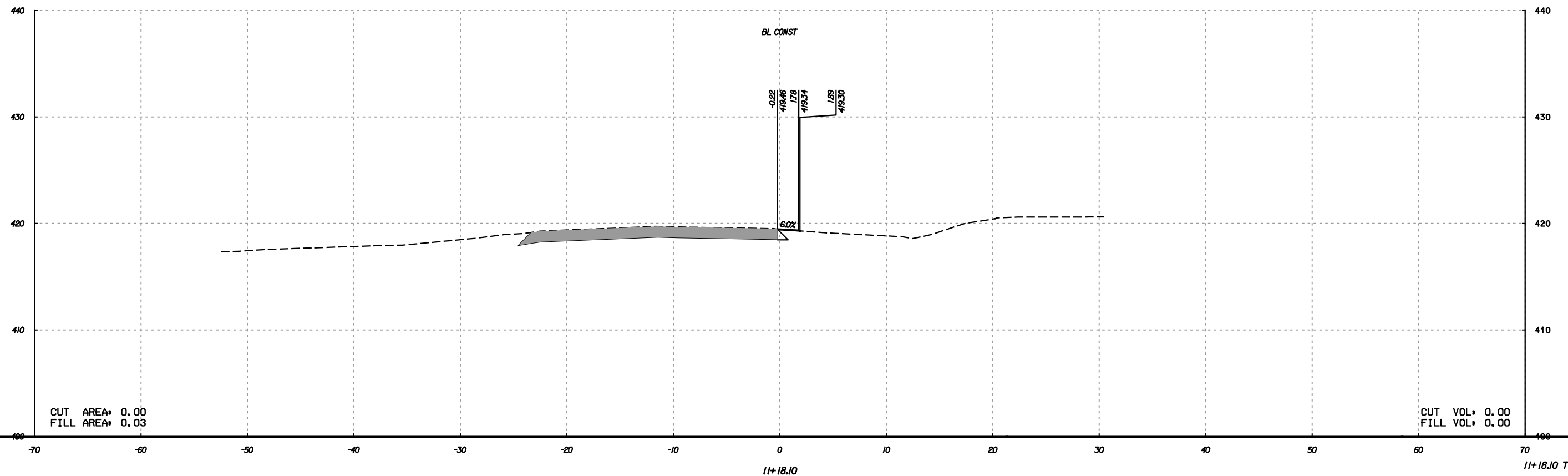
RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.
DATE:	DATE:	DATE:


PLAN SUBMITTAL
PERMIT



SHEET TITLE	ROUTE
DRAINAGE CROSS SECTION SHEET	CR-17 @ CR-44

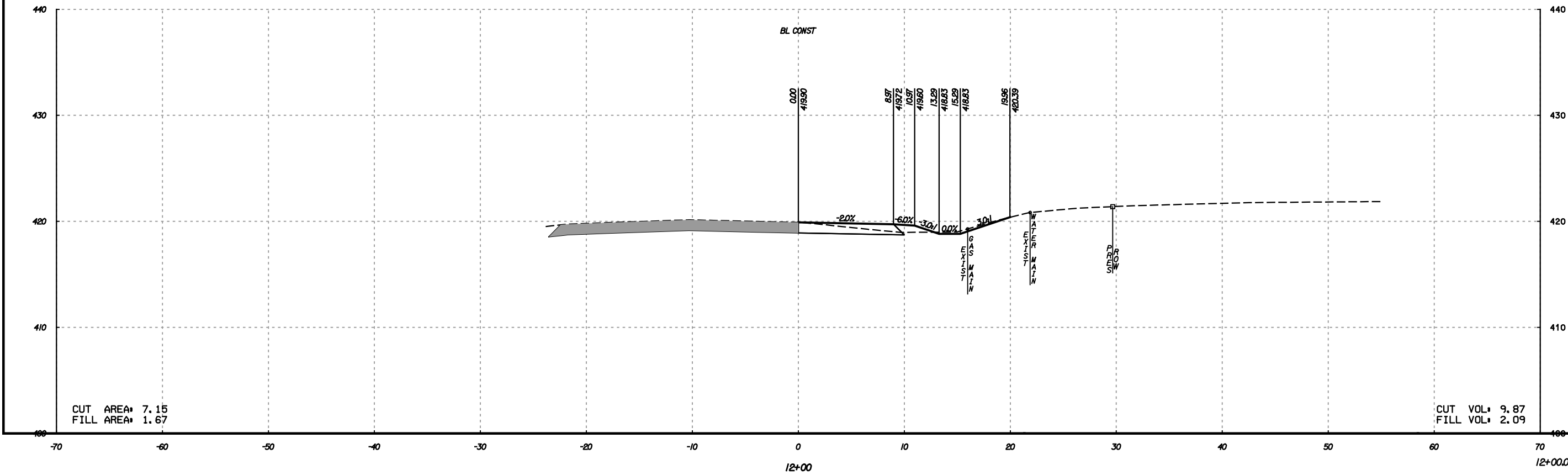
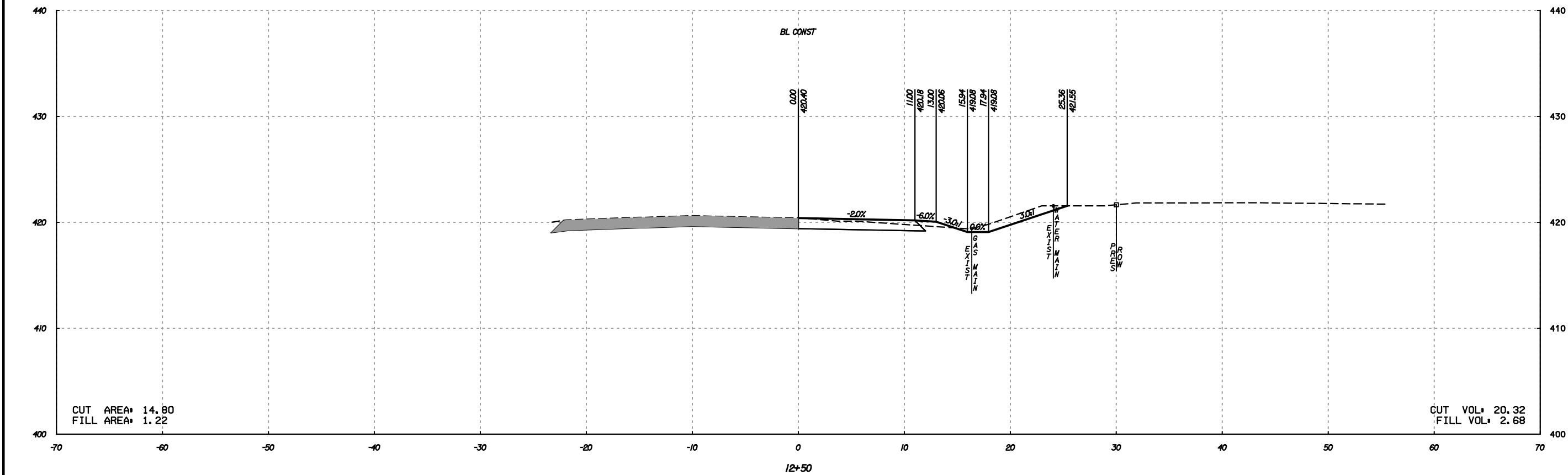
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	50



	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayle Baugh, P.E.	PLAN SUBMITTAL		SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

ROADWAY CROSS SECTION SHEET

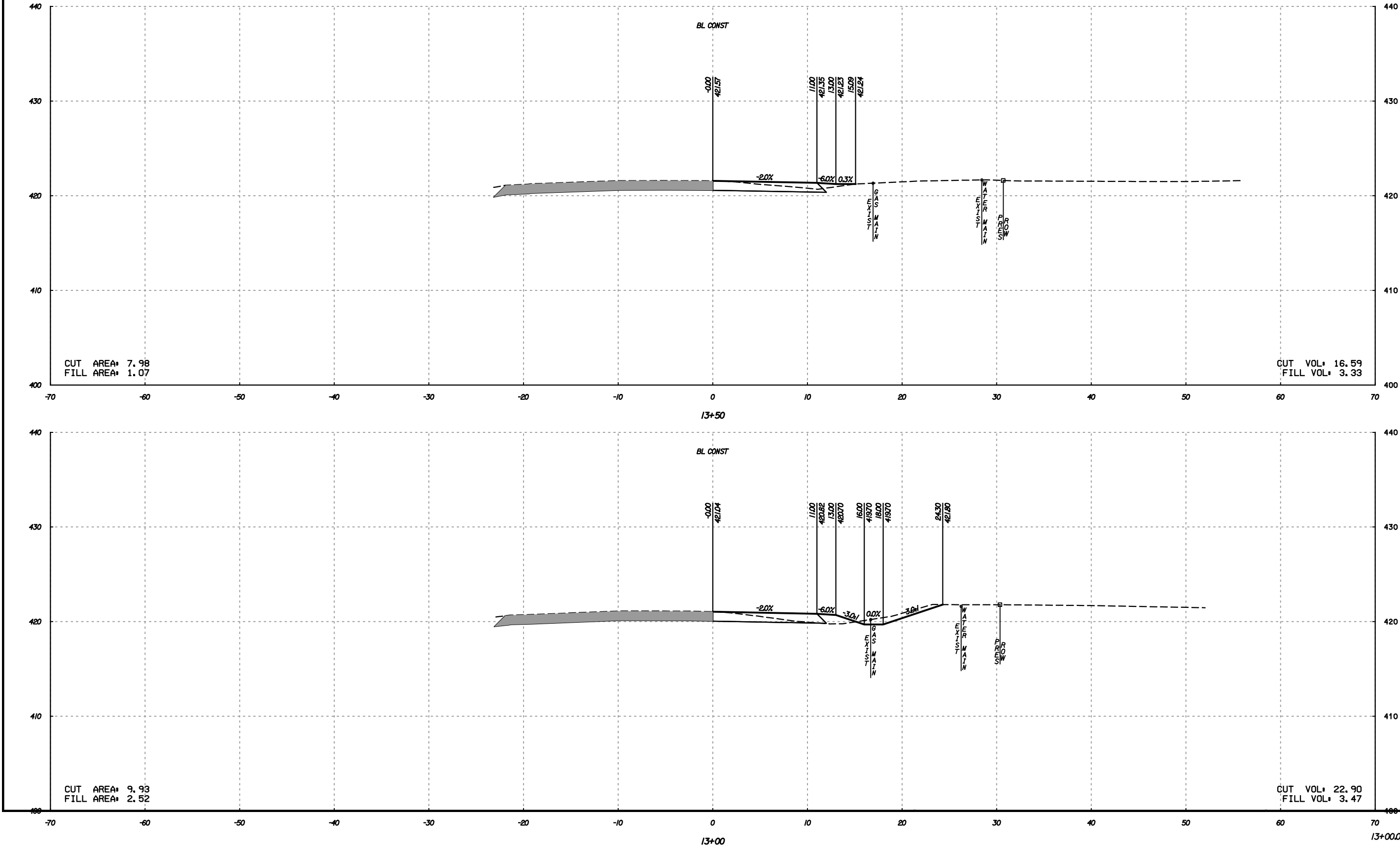
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	51



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 0 5 SCALE (FEET) VERT 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

ROADWAY CROSS SECTION SHEET

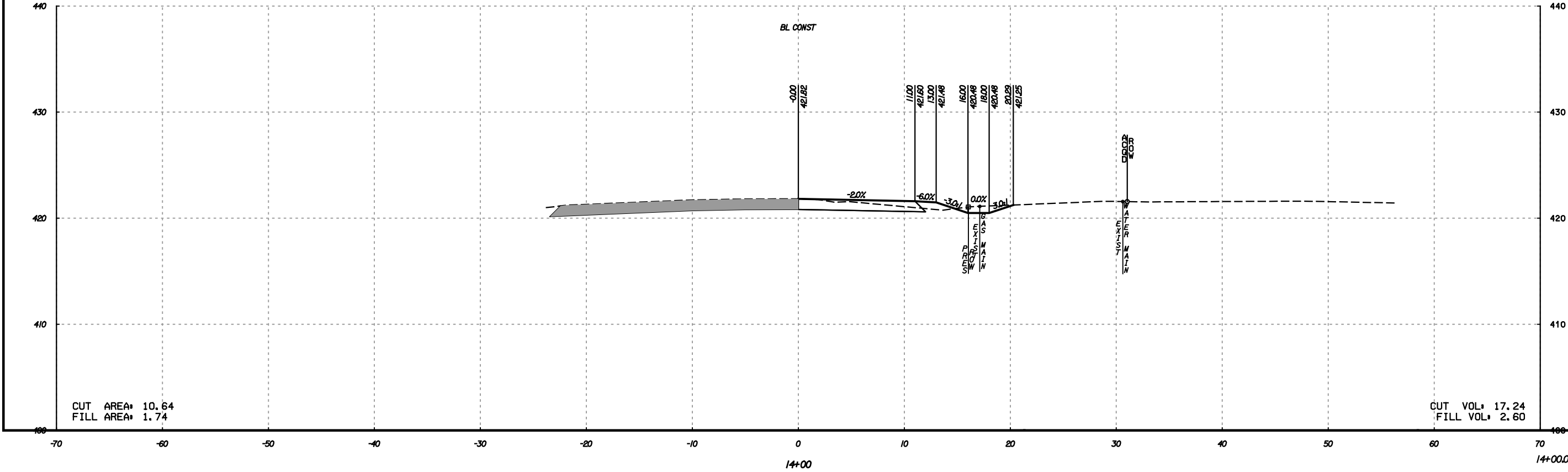
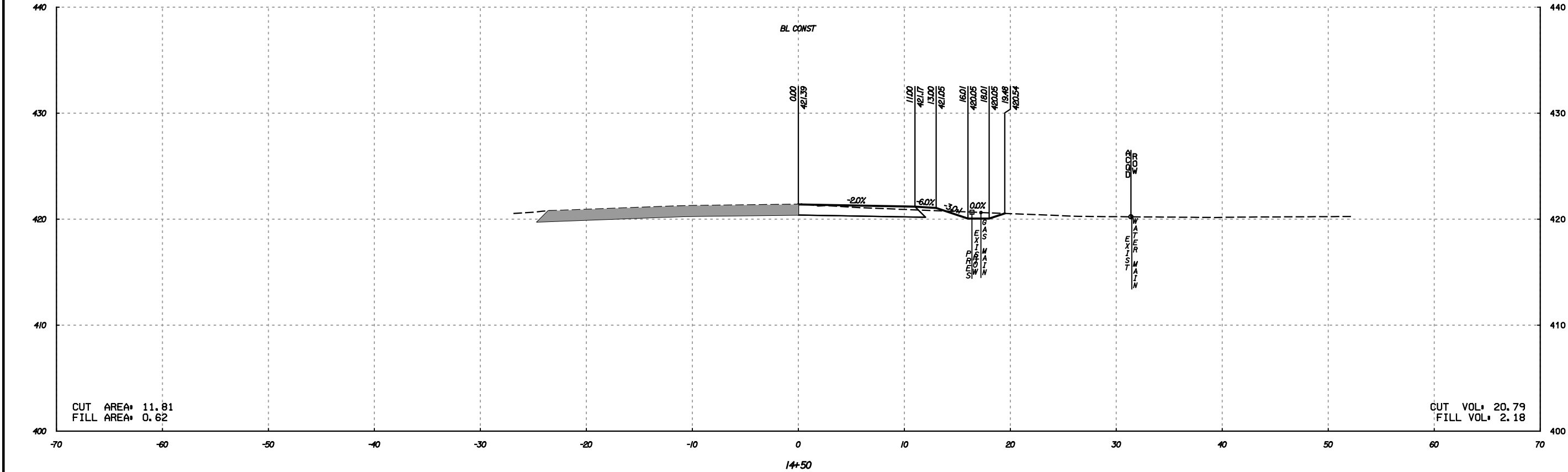
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	52



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	5 HORIZ 0 5 SCALE (FEET) 5 VERT 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

ROADWAY CROSS SECTION SHEET

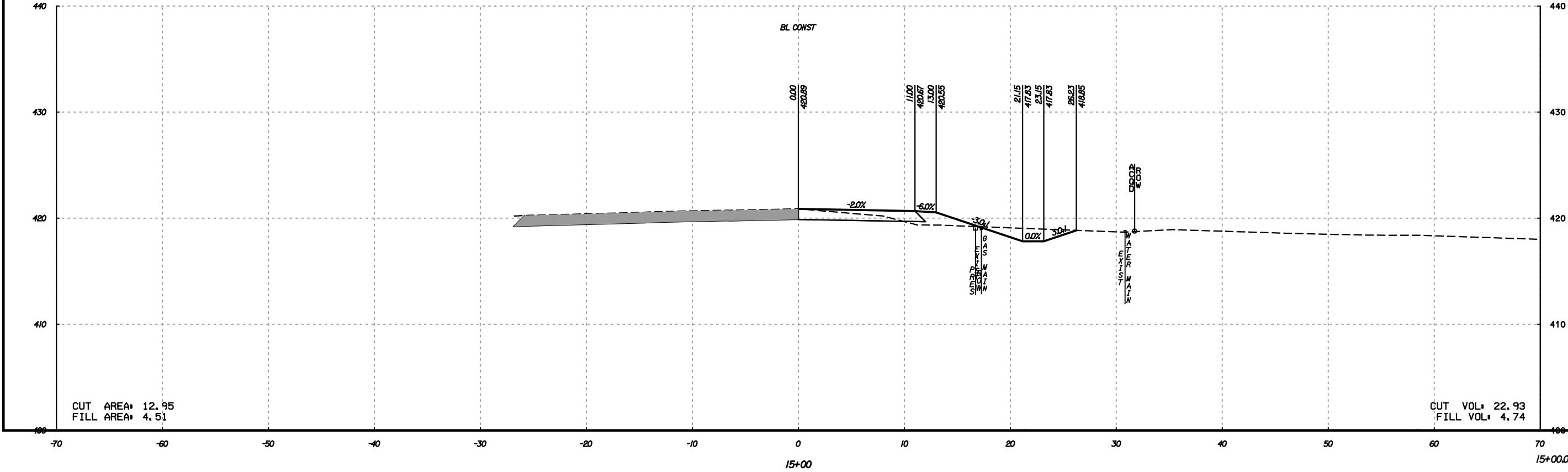
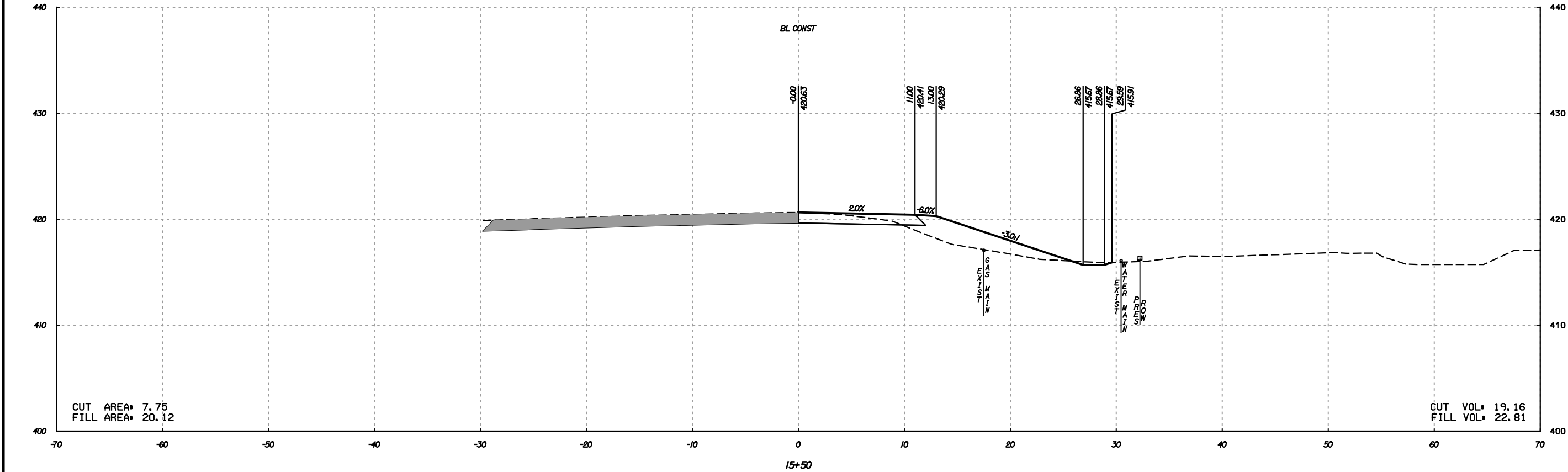
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	53



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 0 5 SCALE (FEET) VERT 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

ROADWAY CROSS SECTION SHEET

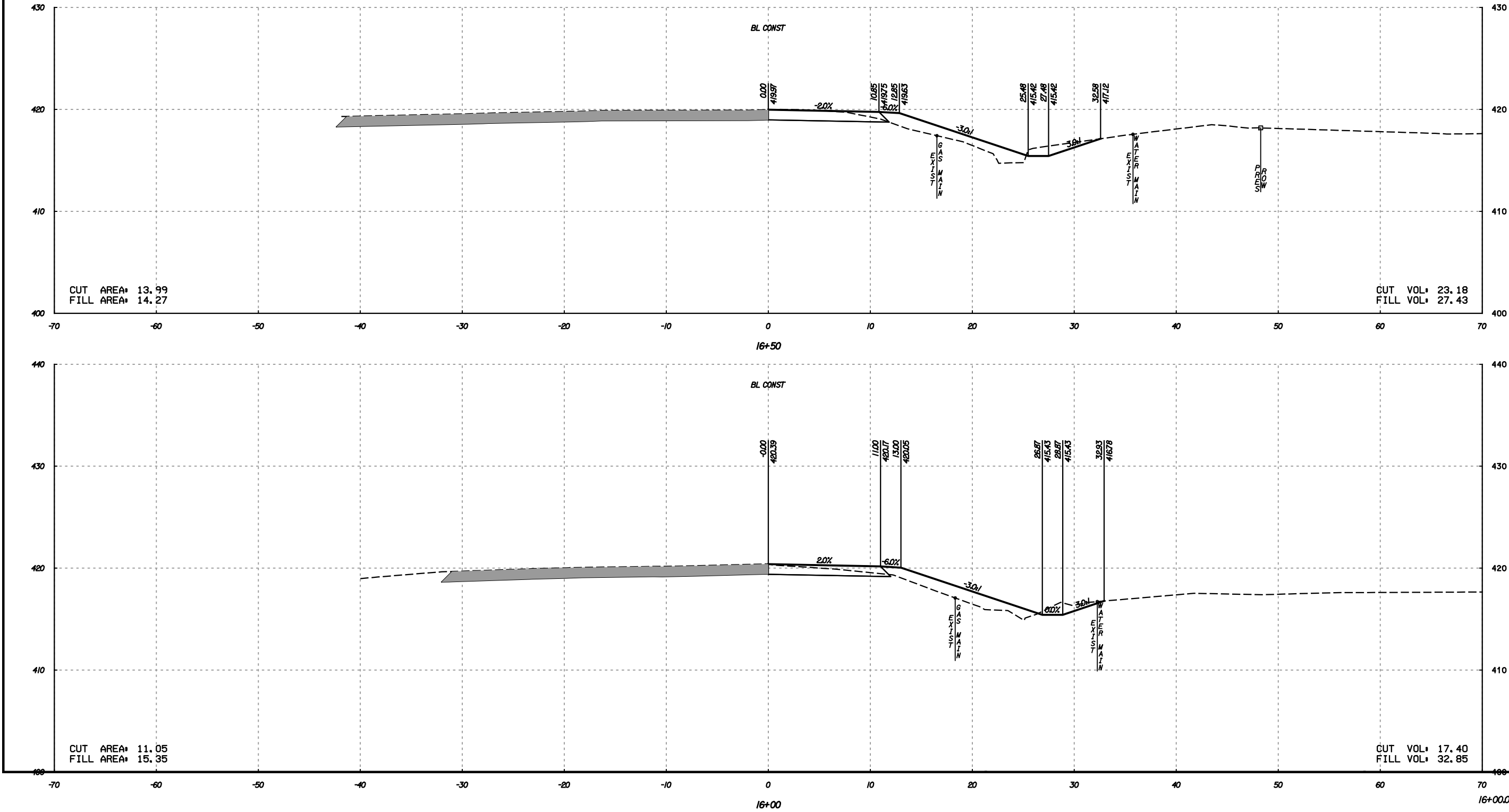
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	54



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 0 5 SCALE (FEET) VERT 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

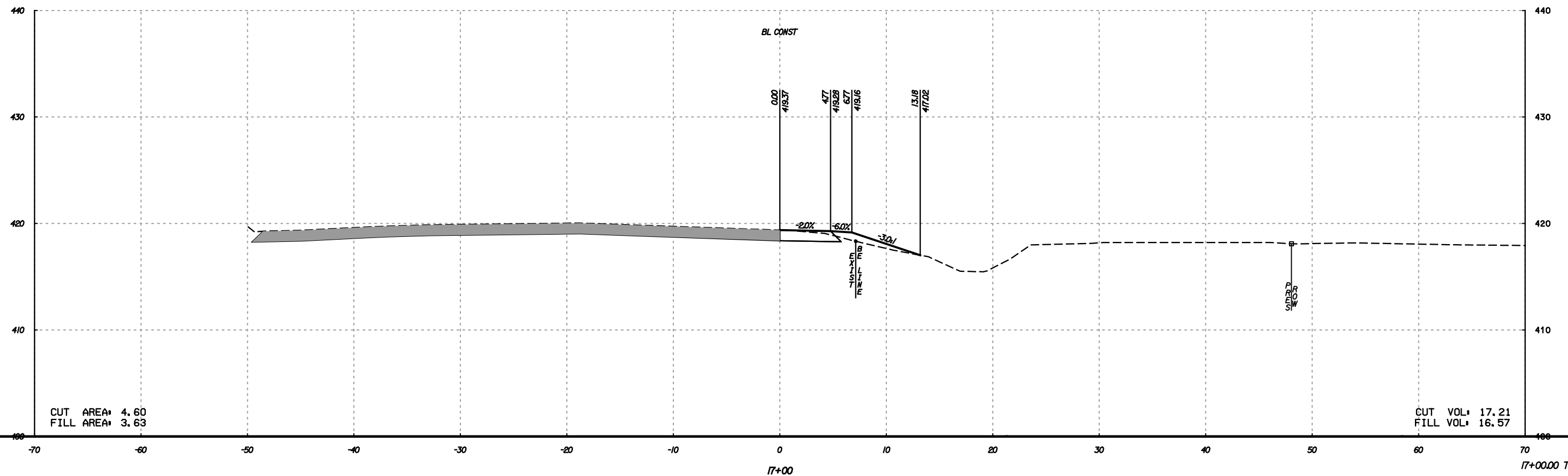
ROADWAY CROSS SECTION SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	55



RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL	HORIZ 0 5 SCALE (FEET) VERT 0 5	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:	PERMIT		ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-889-18	2023	56



	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL			SHEET TITLE	ROUTE
	DATE:	DATE:	DATE:	PERMIT			ROADWAY CROSS SECTION SHEET	CR-17 @ CR-44

EARTHWORK SUMMARY SHEET							REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO														
							SCP 59-889-18	2023	60														
GN-2 NOTES: 148																							
<table><tr><th colspan="3">EARTHWORK SUMMARY (FROM CROSS SECTIONS)</th></tr><tr><th>ROADWAY</th><th>CUT</th><th>FILL</th></tr><tr><td>CR-17</td><td>213</td><td>124</td></tr><tr><td></td><td></td><td></td></tr><tr><td>TOTALS:</td><td>213</td><td>124</td></tr></table>									EARTHWORK SUMMARY (FROM CROSS SECTIONS)			ROADWAY	CUT	FILL	CR-17	213	124				TOTALS:	213	124
EARTHWORK SUMMARY (FROM CROSS SECTIONS)																							
ROADWAY	CUT	FILL																					
CR-17	213	124																					
TOTALS:	213	124																					
<div>UNCLASSIFIED EXCAVATION: TOPSOIL BENEATH FILL</div> <div>CUT</div> <div>= 0 CU YD</div> <div>= 213 CU YD</div> <div>TOTAL UNCLASSIFIED EXCAVATION</div> <div>= 213 CU YD</div> <div>TOTAL BORROW EXCAVATION</div> <div>= 162 CU YD</div> <div>MUCK EXCAVATION:</div> <div>MUCK ON CUT</div> <div>MUCK BENEATH FILL</div> <div>= 0 CU YD</div> <div>= 0 CU YD</div> <div>TOTAL MUCK EXCAVATION</div> <div>= 0 CU YD</div> <div>TOPSOIL FROM STOCKPILES: TOPSOIL ON CUT</div> <div>TOPSOIL BENEATH FILL</div> <div>= 0 CU YD</div> <div>= 0 CU YD</div> <div>TOTAL TOPSOIL FROM STOCKPILES</div> <div>= 0 CU YD</div> <div>REQUIRED TOPSOIL</div> <div>= 133 CU YD</div>																							
	RESPONSIBLE PE: James R. Brown, P.E.	SUPERVISOR: Doug R. Peterson, P.E.	DESIGNER: Dayla Baugh, P.E.	PLAN SUBMITTAL		NOT TO SCALE	SHEET TITLE	ROUTE															
	DATE:	DATE:	DATE:	PERMIT			EARTHWORK SUMMARY SHEET	CR-17 @ CR-44															