



PROJECT LOCATION

PLANS OF PROPOSED PROJECT NUMBER
SCP 59-939-23 / ST-059-888-007

WIDENING COUNTY ROAD 47 FROM APPROXIMATELY 1,100 FEET
SOUTH OF US-280 TO US-280 IN THE CITY OF CHELSEA
GRADE, DRAIN, BASE AND PAVE
SHELBY COUNTY

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	SCP 59-939-23 / ST-059-888-007	2024	1	54
CONTRACT ID NO.				

Preliminary Project No. N/A
Code No. N/A

Design Designation	
ADT (2023)	N/A
ADT (2043)	N/A
K	N/A
D	N/A
TDHV	N/A
TADT	N/A
V (Design Speed)	N/A
Min. Stopping Sight Dist.	N/A

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

Existing Bridge and Bridge Culvert

None

Required Bridge and Bridge Culvert

None

Equations & Exceptions

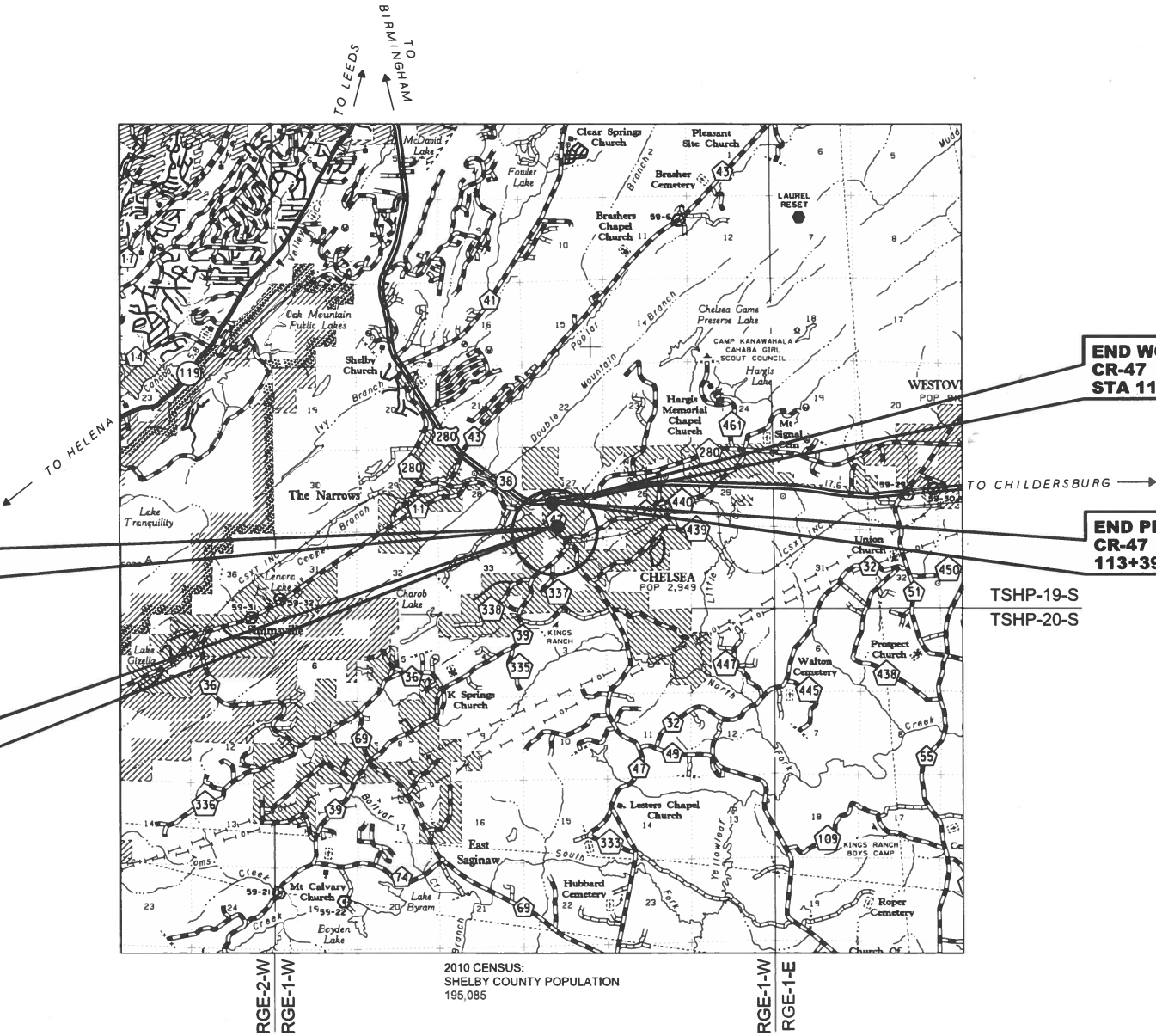
None

BEGIN WORK
CR-47
STA 89+65.00

BEGIN PROJECT
CR-47
STA 102+14.62

END WORK
CR-47
STA 114+39.40

END PROJECT
CR-47
113+39.40



APPROVED
Charles E. Wright
COUNTY ENGINEER

	FEET	MILES
Total Stationing of Project	1124.78	
Equations & Exceptions	0.00	
Net Length of Project	1124.78	0.213
Net Length of Bridges	0.00	0.000
Net Length of Roadways	1124.78	0.213

THE BIDDER'S ATTENTION IS DIRECTED TO SUBARTICLE 102.08(b), CONTAINED IN THE 2022 STANDARD SPECIFICATIONS, CONCERNING COMBINATION BIDS (CITY FINANCED PROJECTS).







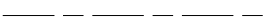
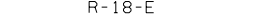





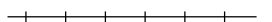
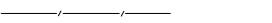




















PLANS PREPARED BY:	
GMC	2701 1st Avenue S Birmingham, AL 35233 T 205.879.4462 GMCNETWORK.COM
REGISTERED PROFESSIONAL ENGINEER STATE OF ALABAMA	CHARLES E. WRIGHT LICENSE NO. 19078

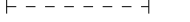
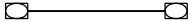



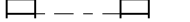



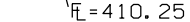
INDEX TO SHEETS AND SPECIAL AND STANDARD DRAWINGS								REFERENCE PROJECT NO SCP 59-939-23 / ST-059-888-007	FISCAL YEAR 2024	SHEET NO 1A																																																																																																																																																																																										
THE FOLLOWING ARE SPECIAL OR STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWINGS BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2024, WHICH APPLY TO THIS PROJECT:																																																																																																																																																																																																				
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66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING																																																																																																																																																																																																		
66541	ECS-505	TEMPORARY STREAM DIVERSION																																																																																																																																																																																																		
66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)																																																																																																																																																																																																		
66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)																																																																																																																																																																																																		
66548	ESC-507	TEMPORARY SEDIMENTATION BASIN																																																																																																																																																																																																		
67201	ESC-508	FLOCCULANT USAGE GUIDE																																																																																																																																																																																																		
68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES																																																																																																																																																																																																		
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																																																																																																																																																																																																		
71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)																																																																																																																																																																																																		
71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING OF STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS																																																																																																																																																																																																		
71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS																																																																																																																																																																																																		
71060	SHS-1	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71061	SHS-2	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71069	SHS-10	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71075	SHS-13	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71090	SHS-26	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71093	SHS-29	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71094	SHS-30	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
71095	SHS-31	STANDARD HIGHWAY SIGNS																																																																																																																																																																																																		
73004	T.S.D.-730-2 (SHEET 1 OF 3)	METAL TRAFFIC SIGNAL POLE AND LIGHTING INSTALLATION DETAILS																																																																																																																																																																																																		
74001	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE I AND TYPE II																																																																																																																																																																																																		
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES																																																																																																																																																																																																		
RESPONSIBLE PE: CHARLES WRIGHT, PE		SUPERVISOR: CHARLES WRIGHT, PE		DESIGNER: JEFFREY THEO				<div>SHELBY COUNTY HIGHWAY DEPARTMENT</div>		NOT TO SCALE		SHEET TITLE INDEX TO SHEETS AND SPECIAL AND STANDARD DRAWINGS		ROUTE CR-47																																																																																																																																																																																						
DATE:		DATE:		DATE:																																																																																																																																																																																																

PLANS LEGEND SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	1B

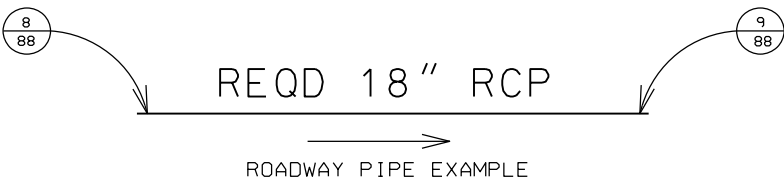
ROADWAY

CENTER LINE	
STATE BOUNDARY LINE	
COUNTY BOUNDARY LINE	
CITY OR TOWN LIMITS	
SECTION LINES	
QUARTER-SECTION LINES	
RANGE-TOWNSHIP LINES	
PROPERTY LINES	
PRESENT ROW	
ACQUIRED ROW	
DENIED ACCESS	
REQUIRED FENCE	
CONSTRUCTION LIMITS	
CLEARING LIMITS	
RAILROAD	
EXISTING WOOD FENCE	
EXISTING BARBED WIRE FENCE	
EXISTING CHAIN LINK FENCE	
EXISTING ELECTRIC FENCE	
EXISTING HOG WIRE FENCE	
TREES	
WOODS LINE	
MARSH	
EXISTING DITCH	
REQUIRED DITCH.....	
GRAVEL ROAD	
EXISTING GUARDRAIL	
REQUIRED GUARDRAIL	
SATELLITE DISH	
TRAFFIC LIGHT	
BENCH MARK	
SURVEY POINT	
ENVIRONMENTAL CLEARED LIMITS	

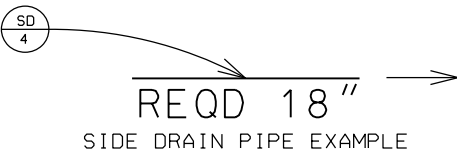
EXISTING PIPE	
REQUIRED PIPE (WITH PIPE END TREATMENT).....	
REQUIRED PIPE END TREATMENT.....	
EXISTING BOX CULVERT	
REQUIRED BOX CULVERT	
EXTENDED CULVERT	
DROP INLET OR JUNCTION BOX (SEE PLANS DESCRIPTION).....	
BRIDGE	
PIPE CULVERT (ELEVATION VIEW)	
BOX CULVERT (ELEVATION VIEW)	

DRAINAGE STRUCTURE INDEX NUMBERS

DRAINAGE STRUCTURE WRITE-UPS ARE LOCATED ON THE DRAINAGE CROSS-SECTION SHEETS. STRUCTURES WITH WRITE-UPS ARE INDEXED AT EACH END, WITH NUMBERS ASSIGNED BY DIRECTION OF FLOW. THE NUMBER IN THE UPPER HALF OF THE CIRCLE (EXAMPLE 8 OR 9) IS THE DRAINAGE STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER.



























































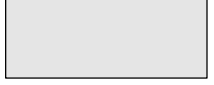
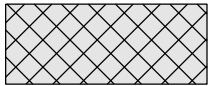

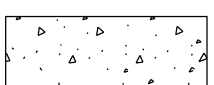
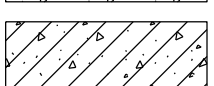

ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.



DIRECTION OF FLOW 

UTILITIES

	EXISTING	PROPOSED
POWER POLE		
LIGHT POLE		
TELEPHONE POLE		
ANCHOR		
STUB (POWER)		
STUB (TELEPHONE)		
ELECTRIC DUCT		
BURIED ELECTRIC CABLE		
OVERHEAD ELECTRIC CABLE		
ELECTRIC MANHOLE		
TOWER		
TELEPHONE PEDESTAL		
TELEPHONE DUCT		
BURIED TELEPHONE CABLE		
OVERHEAD TELEPHONE CABLE		
TELEPHONE MANHOLE		
SANITARY SEWER		
WATER LINE		
WATER MAIN		
WATER VALVE		
FIRE HYDRANT		
WATER METER		
GAS LINE		
GAS MAIN		
GAS VALVE		
GAS REGULATOR		
BURIED CABLE TELEVISION.....		
OVERHEAD CABLE TELEVISION.....		

EXISTING PAVEMENT (RETAIN).....	
EXISTING PAVEMENT (REMOVE).....	
EXISTING PAVEMENT (PLANE, AND OVERLAY).....	
CONCRETE (EXISTING OR REQUIRED).....	
EXISTING CONCRETE (REMOVE).....	
RIP RAP (EXISTING OR REQUIRED).....	

PLANS LEGEND SHEET ABBREVIATIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	1C

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

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO		SHELBY COUNTY HIGHWAY DEPARTMENT	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				PLANS LEGEND SHEET ABBREVIATIONS	CR-47

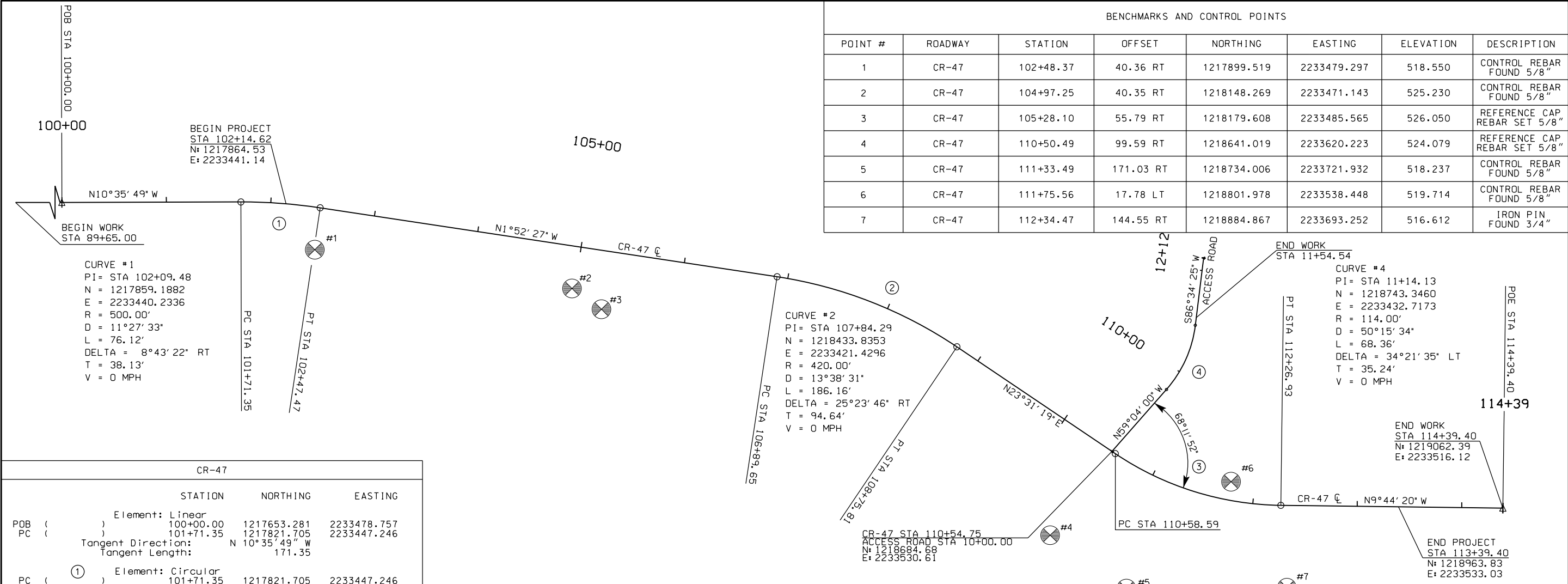
TRAFFIC SIGNAL AND ITS LEGEND

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23/ ST-059-888-007	2024	1D

ELECTRICAL BOXES			MISCELLANEOUS EQUIPMENT			ABBREVIATIONS		
	EXISTING	REQUIRED		EXISTING	REQUIRED			
METALLIC PULL BOX			TRAFFIC SIGNAL HEAD				AMERICAN WIRE GAUGE	AWG
FIBER OPTIC COMMBX TYPE F1			TRAFFIC SIGNAL HEAD WITH BACKPLATE				CLOSED CIRCUIT TELEVISION	CCTV
FIBER OPTIC COMMBX TYPE F2			PEDESTRIAN SIGNAL HEAD				CONDUIT.....	C
TRAFFIC SIGNAL JUNCTION BOX TYPE S1			8 FOOT PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD				CURB AND GUTTER	C&G
TRAFFIC SIGNAL JUNCTION BOX TYPE S2			PEDESTAL MOUNTED FLASHING WARNING SIGNAL WITH SIGN				DYNAMIC MESSAGE SIGN	DMS
TRAFFIC SIGNAL JUNCTION BOX TYPE S3			PEDESTAL MOUNTED ILLUMINATED SCHOOL ZONE SIGN				EASTBOUND ROADWAY	EBR
CABLE IN CONDUIT							EMERGENCY VEHICLE PREEMPTION	EVP
	EXISTING	REQUIRED					END ANCHOR	E/A
FIBER OPTIC CABLE IN CONDUIT (UNDERGROUND)			PUSH BUTTON ASSEMBLY				FLASHING BEACON	FB
FIBER OPTIC CABLE IN CONDUIT (UNDERGROUND WITH CONCRETE)			SPAN/MASTARM MOUNTED SIGN				GALVANIZED RIGID CONDUIT.....	GRC
FIBER OPTIC CABLE IN CONDUIT (BRIDGE ATTACHED)			OMNI DIRECTIONAL ANTENNA				GUARDRAIL	GR
FIBER OPTIC CABLE (AERIAL INSTALLATION)			DIRECTIONAL ANTENNA				HIGH DENSITY POLYETHYLENE	HDPE
INTERCONNECT CABLE IN CONDUIT (UNDERGROUND)			EMERGENCY VEHICLE PREEMPTION SENSOR				HIGHWAY ADVISORY RADIO	HAR
INTERCONNECT CABLE (AERIAL INSTALLATION)			BLANKOUT MESSAGE SIGN				INDIVIDUAL LOWERING DEVICE	ILD
CONDUIT			TRAFFIC CONTROL CENTER				INTELLIGENT TRANSPORTATION SYSTEM(S)....	ITS
ENCASEMENT			HIGHWAY ADVISORY RADIO				JUNCTION BOX	JB
OVERHEAD ELECTRIC			HUB BUILDING				LEFT	LT
BURIED ELECTRIC			DYNAMIC MESSAGE SIGN (OVERHEAD)				LIGHT EMITTING DIODE	LED
VEHICULAR DETECTORS							LIGHT POLE	LP
	EXISTING	REQUIRED					LUMINAIRE	LUM
PRESENCE LOOP DETECTOR			DYNAMIC MESSAGE SIGN (ROADSIDE)				MILEPOST.....	MP
QUADRUPOLE LOOP DETECTOR			DYNAMIC MESSAGE SIGN (CANTILEVER)				NORTHBOUND ROADWAY	NBR
6' x 6' LOOP DETECTOR			DIGITAL RADIO				NON-METALLIC CONDUIT	NMC
VEHICLE DETECTION CAMERA			REPEATER				PAN TILT ZOOM.....	PTZ
DETECTION ZONE			(NOTE: # INDICATES SIGNAL HEAD NUMBER)				PRIMARY FIBER DISTRIBUTION UNIT.....	PFDU
RADAR DETECTION UNIT			POLES				PROPERTY LINE	PL
RADAR DETECTION UNIT (ADVANCE)				EXISTING	REQUIRED		PUBLIC ACCESS CAMERA.....	PAC
RADAR DETECTION UNIT (PRESENSE)			METAL POLE OR AS SPECIFIED ON PLANS				PULL BOX.....	PB
MAGNETOMETER (SENSOR)			CONCRETE POLE				RADIUS	R
MAGNETOMETER (REPEATER POLE)			METAL MASTARM POLE				RAILROAD	RR
CABINETS			CLASS 3 WOOD SERVICE POLE WITH DISCONNECT				RIGHT	RT
	EXISTING	REQUIRED	WOOD POLE				RIGHT OF WAY.....	ROW
CABINET			DOWN GUY				ROADWAY	RDWY
CAMERAS			LUMINAIRE				SECONDARY FIBER DISTRIBUTION UNIT	SFDU
	EXISTING	REQUIRED					SCHOOL.....	SCH
CCTV CAMERA, FIXED							SOUTHBOUND ROADWAY	SBR
CCTV CAMERA, PTZ							STANDARD DRAWING	STD-DWG

GEOMETRIC LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	1E



BENCHMARKS AND CONTROL POINTS							
POINT #	ROADWAY	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	CR-47	102+48.37	40.36 RT	1217899.519	2233479.297	518.550	CONTROL REBAR FOUND 5/8"
2	CR-47	104+97.25	40.35 RT	1218148.269	2233471.143	525.230	CONTROL REBAR FOUND 5/8"
3	CR-47	105+28.10	55.79 RT	1218179.608	2233485.565	526.050	REFERENCE CAP REBAR SET 5/8"
4	CR-47	110+50.49	99.59 RT	1218641.019	2233620.223	524.079	REFERENCE CAP REBAR SET 5/8"
5	CR-47	111+33.49	171.03 RT	1218734.006	2233721.932	518.237	CONTROL REBAR FOUND 5/8"
6	CR-47	111+75.56	17.78 LT	1218801.978	2233538.448	519.714	CONTROL REBAR FOUND 5/8"
7	CR-47	112+34.47	144.55 RT	1218884.867	2233693.252	516.612	IRON PIN FOUND 3/4"

CR-47			
	STATION	NORTHING	EASTING
Element: Linear			
POB ()	100+00.00	1217653.281	2233478.757
PC ()	101+71.35	1217821.705	2233447.246
Tangent Direction: N 10°35'49" W			
Tangent Length: 171.35			
① Element: Circular			
PC ()	101+71.35	1217821.705	2233447.246
PI ()	102+09.48	1217859.188	2233440.234
CC ()	102+47.47	1217913.654	2233938.719
PT ()	102+47.47	1217897.302	2233438.986
Radius: 500.00			
Delta: 8°43'22" Right			
Degree of Curvature(Arc): 11°27'33"			
Length: 76.12			
Tangent: 38.13			
Chord: 76.05			
Middle Ordinate: 1.45			
External: 1.45			
Tangent Direction: N 10°35'49" W			
Radial Direction: N 79°24'11" E			
Chord Direction: N 6°14'08" W			
Radial Direction: N 88°07'33" E			
Tangent Direction: N 1°52'27" W			
Element: Linear			
PT ()	102+47.47	1217897.302	2233438.986
PC ()	106+89.65	1218339.250	2233424.525
Tangent Direction: N 1°52'27" W			
Tangent Length: 442.18			
② Element: Circular			
PC ()	106+89.65	1218339.250	2233424.525
PI ()	107+84.29	1218433.835	2233421.430
CC ()	108+75.81	1218352.986	2233844.300
PT ()	108+75.81	1218520.608	2233459.199
Radius: 420.00			
Delta: 25°23'46" Right			
Degree of Curvature(Arc): 13°38'31"			
Length: 186.16			
Tangent: 94.64			
Chord: 184.64			
Middle Ordinate: 10.27			
External: 10.53			
Tangent Direction: N 1°52'27" W			
Radial Direction: N 88°07'33" E			
Chord Direction: N 10°49'26" E			
Radial Direction: S 66°28'41" E			
Tangent Direction: N 23°31'19" E			

CR-47			
	STATION	NORTHING	EASTING
Element: Linear			
PT ()	108+75.81	1218520.608	2233459.199
PC ()	110+58.59	1218688.191	2233532.142
Tangent Direction: N 23°31'19" E			
Tangent Length: 182.77			
③ Element: Circular			
PC ()	110+58.59	1218688.191	2233532.142
PI ()	111+45.21	1218767.614	2233566.712
CC ()	112+26.93	1218803.930	2233266.239
PT ()	112+26.93	1218852.986	2233552.060
Radius: 290.00			
Delta: 33°15'39" Left			
Degree of Curvature(Arc): 19°45'25.80"			
Length: 168.35			
Tangent: 86.62			
Chord: 165.99			
Middle Ordinate: 12.13			
External: 12.66			
Tangent Direction: N 23°31'19" E			
Radial Direction: S 66°28'41" E			
Chord Direction: N 6°53'29" E			
Radial Direction: N 80°15'40" E			
Tangent Direction: N 9°44'20" W			
Element: Linear			
PT ()	112+26.93	1218852.986	2233552.060
POE ()	114+39.40	1219062.396	2233516.118
Tangent Direction: N 9°44'20" W			
Tangent Length: 212.47			

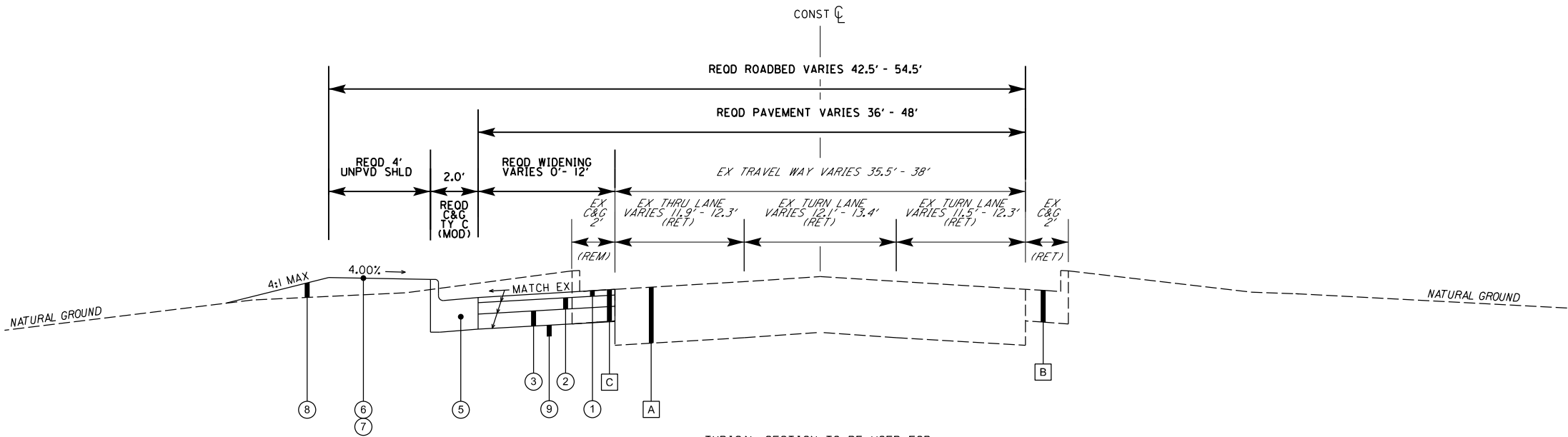
ACCESS ROAD			
	STATION	NORTHING	EASTING
Element: Linear			
POB ()	10+00.00	1218684.679	2233530.614
PC ()	10+78.88	1218725.229	2233462.949
Tangent Direction: N 59°04'00" W			
Tangent Length: 78.88			
④ Element: Circular			
PC ()	10+78.88	1218725.229	2233462.949
PI ()	11+14.13	1218743.346	2233432.717
CC ()	11+47.25	1218627.443	2233404.349
PT ()	11+47.25	1218741.240	2233397.535
Radius: 114.00			
Delta: 34°21'35" Left			
Degree of Curvature(Arc): 50°15'34"			
Length: 68.36			
Tangent: 35.24			
Chord: 67.34			
Middle Ordinate: 5.09			
External: 5.32			
Tangent Direction: N 59°04'00" W			
Radial Direction: N 30°55'60" E			
Chord Direction: N 76°14'47" W			
Radial Direction: N 3°25'35" W			
Tangent Direction: S 86°34'25" W			
Element: Linear			
PT ()	11+47.25	1218741.240	2233397.535
POE ()	12+12.00	1218737.370	2233332.896
Tangent Direction: S 86°34'25" W			
Tangent Length: 64.76			

CURVE #3
PI= STA 111+45.21
N = 1218767.6142
E = 2233566.7124
R = 290.00'
D = 19°45'26"
L = 168.35'
DELTA = 33°15'39" LT
T = 86.62'
V = 0 MPH



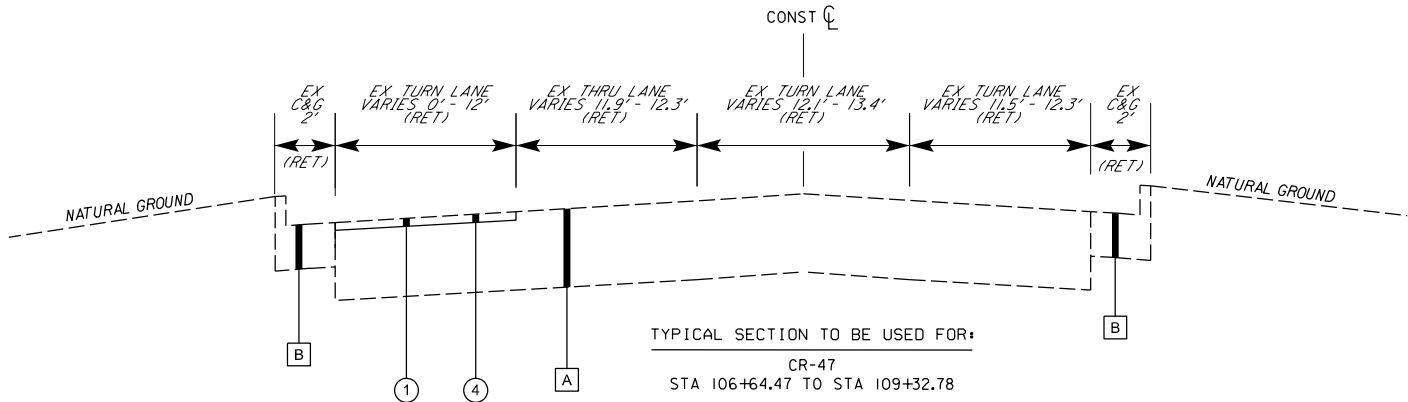
TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	2



PROJECT NOTES
200
201
202

TYPICAL SECTION TO BE USED FOR:
CR-47
STA 102+4.62 TO STA 106+64.47
STA 109+32.78 TO STA 110+52.18



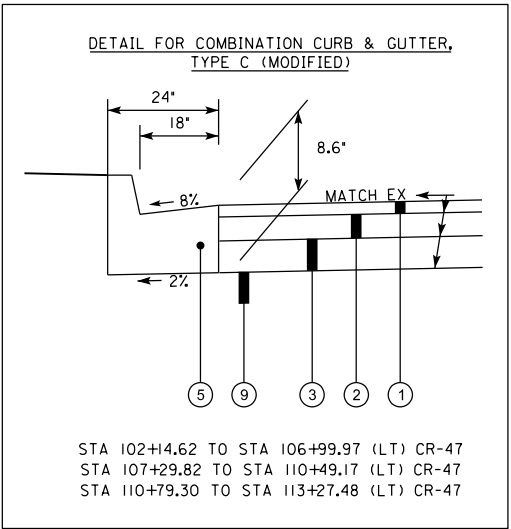
TYPICAL SECTION TO BE USED FOR:
CR-47
STA 106+64.47 TO STA 109+32.78


IN-PLACE PAVEMENT SCHEDULE LEGEND

A	----	IN PLACE PAVEMENT (RETAIN)
B	----	IN PLACE COMBINATION CURB & GUTTER (RETAIN)
C	----	IN PLACE COMBINATION CURB & GUTTER (REMOVE)

REQUIRED PAVEMENT SCHEDULE LEGEND

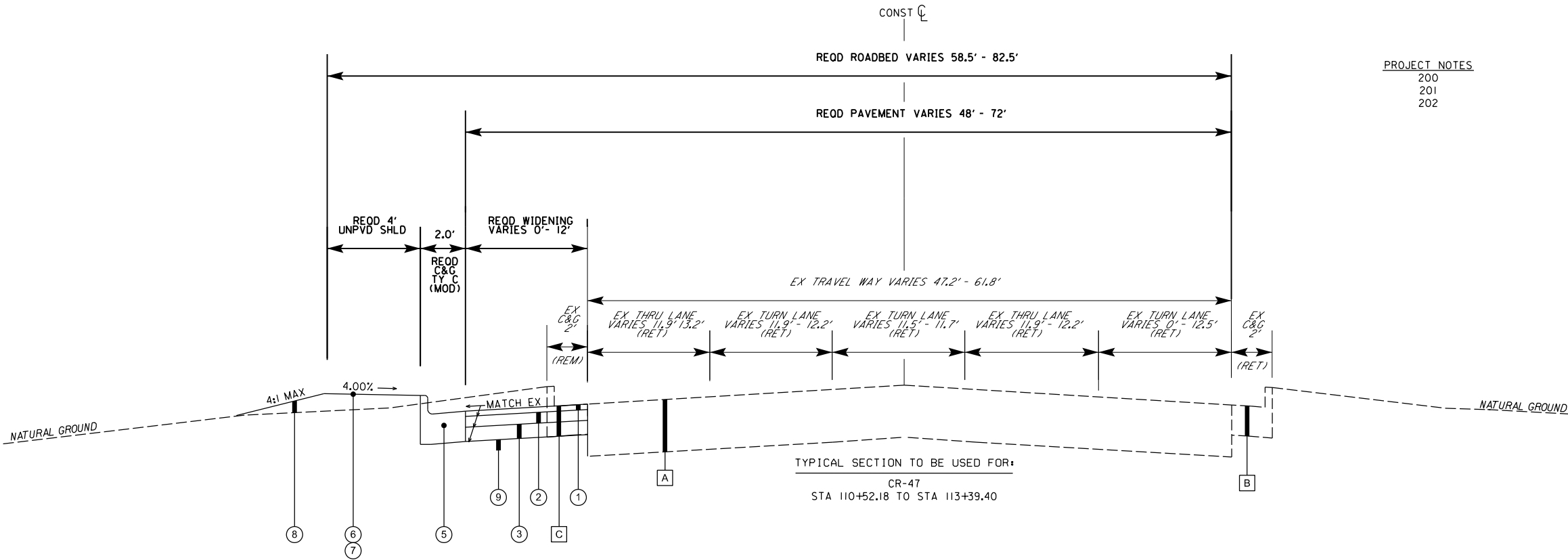
1	424A-361	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 185 LBS/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 260 LBS/ SQ YD)
3	424B-680	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 520 LBS/ SQ YD) (PLACED IN 2 EQUAL LIFTS)
4	408A-052	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.00" THICK)
5	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
6	654A-000	SOLID SODDING
7	650A-000	TOPSOIL
8	210A-000 210D-001	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
9	230A-000	ROADBED PROCESSING



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					TYPICAL SECTIONS	CR-47

TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	2A

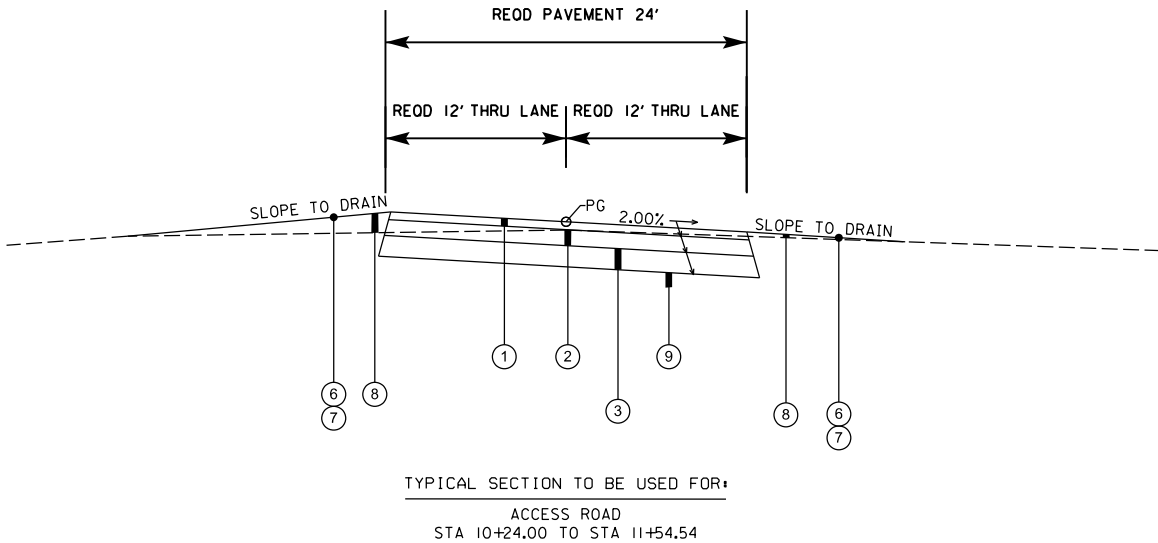


IN-PLACE PAVEMENT SCHEDULE LEGEND


A	-----	IN PLACE PAVEMENT (RETAIN)
B	-----	IN PLACE COMBINATION CURB & GUTTER (RETAIN)
C	-----	IN PLACE COMBINATION CURB & GUTTER (REMOVE)
D	-----	IN PLACE PAVEMENT (RETAIN AND OVERLAY)

REQUIRED PAVEMENT SCHEDULE LEGEND

1	424A-361	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 185 LBS/SQ YD)
2	424B-650	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (APPROXIMATELY 260 LBS/ SQ YD)
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5	623C-003	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
6	654A-000	SOLID SODDING
7	650A-000	TOPSOIL
8	210A-000 210D-001	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
9	230A-000	ROADBED PROCESSING



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					TYPICAL SECTIONS	CR-47

PROJECT NOTES SHEET						REFERENCE PROJECT NO SCP 59-939-23 / ST-059-888-007	FISCAL YEAR 2024	SHEET NO 2B	
200	ROADBED PROCESSING IS WAIVED IN AREAS WHERE THE REQUIRED PROCESSING WIDTH IS LESS THAN SIX (6) FEET. IN THESE AREAS THE SUBGRADE SHALL BE COMPACTED TO 100% OF AASHTO T-99. THE COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE OVERLYING LAYER.					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. MULTIPLE LOCATE REQUESTS WILL BE REQUIRED AS NEEDED FOR VARIOUS CONSTRUCTION OPERATIONS. IN THE EVENT OF ANY DAMAGE TO THE IN PLACE UTILITIES, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE UTILITY OWNER AND ENGINEER AND REPAIR THE DAMAGE TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER, AT THE CONTRACTOR'S EXPENSE.		
201	THE MAINLINE BUILDUP WILL BE USED TO THE END OF THE CONSTRUCTION LIMITS ALONG ALL PAVED SIDE ROADS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.					801	THE RELOCATION OF ANY IN PLACE UTILITIES SHALL BE COMPLETED BY THE UTILITY OWNER PRIOR TO THE BEGINNING OF CONSTRUCTION. HOWEVER, IN THE EVENT THAT UNKNOWN UTILITIES ARE DISCOVERED DURING CONSTRUCTION,THE CONTRACTOR SHALL MAKE PROVISIONS TO ACCOMMODATE AND ALLOW ANY UTILITY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY CONTRACTOR IN ORDER TO MINIMIZE DELAYS.		
202	THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AN AMOUNT OF IN-PLACE PAVEMENT NECESSARY TO MAKE ADEQUATE TIE-INS ON STREETS, COUNTY ROADS, AND/OR DRIVEWAYS, AS DIRECTED BY THE ENGINEER. REMOVAL AND DISPOSAL SHALL BE PAID FOR AS A SUBSIDIARY OBLIGATION OF ITEM 210A-000.					900	A NOTICE OF INTENT FOR NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.		
300	ITEMS TO BE REMOVED THAT ARE NOT PROVIDED FOR BY PAY ITEM OR SPECIFICALLY MENTIONED BY NOTE TO BE INCLUDED IN OTHER ITEMS OF WORK SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK GIVEN IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS.					901	OMIT		
301	EXISTING PAVEMENT TO BE REMOVED SHALL BE SAW CUT ALONG A NEAT STRAIGHT LINE PRIOR TO REMOVAL. THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 210A-000.					902	OMIT		
302	50 TONS OF PAY ITEM 424B-654, PATCHING, HAS BEEN PROVIDED TO BE PLACED AS DIRECTED BY THE ENGINEER.					903	OMIT		
303	IF AREAS OF SOFT SOILS ARE ENCOUNTERED, THE SOFT SOIL SHALL BE UNDERCUT A MINIMUM OF 2' AND THE EXCAVATED AREA BACK FILLED WITH BORROW EXCAVATION. THIS WORK SHALL BE PAID AS 210A-000 UNCLASSIFIED EXCAVATION AND 210D-001 BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT).					904	OMIT		
304	ALL REFERENCE TO "ALDOT" SHOWN ON THE REQUIRED RIGHT-OF-WAY MARKERS AS DETAILED ON SPECIAL DRAWING M-602 SHALL BE REVISED TO REFERENCE "SHELBY COUNTY". COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 602A.					905	OMIT		
305	THE AREA OF THE EXISTING PAVEMENT TO BE REMOVED LEFT OF APPROXIMATE STA 111+00 SHALL BE GRADED AND SHAPED TO DRAIN AWAY FROM THE NEW ACCESS ROAD. THE COST OF THIS WORK SHALL BE PAID FOR UNDER PAY ITEM 210A-000, UNCLASSIFIED EXCAVATION AND 210D-001, BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT). THIS AREA SHALL BE SEEDED AND MULCHED AND PAID FOR UNDER PAY ITEMS 652A-100, SEEDING AND 656A-010, MULCHING.					906	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.		
306	PLANING EXISTING PAVEMENT HAS BEEN PROVIDED FOR THE EXISTING RIGHT TURN LANE AS SHOWN ON THE TYPICAL SECTION. ADDITIONAL PLANING MAY BE NEEDED TO CONSTRUCT TIE-INS AND AS DIRECTED BY THE ENGINEER.								
307	THE REMOVAL OF THE FLEXIBLE DELINEATOR POSTS AND ADHESIVE ALONG US-280 SHALL BE A SUBSIDIARY OBLIGATION TO PAY ITEM 701G-253, SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE).								
308	ADDITIONAL PAY ITEMS AND QUANTITIES HAVE BEEN ADDED TO THE PLANS FOR RE STRIPING CR-47 APPROXIMATELY 1,250 FEET SOUTH OF THE PROJECT. THE PAY ITEMS INCLUDE 701B-207, 701G-146, 701G-154, 701G-253, 701G-256, 701G-265, 703A-002, 703B-002, 705A-030, 705A-032, 705A-037, 705A-038. THIS WORK SHALL BE AS DIRECTED BY THE ENGINEER AND APPROVED BY THE COUNTY.								
309	50 TONS OF PAY ITEM 305B-077, CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE HAS BEEN PROVIDED TO BE PLACED AS DIRECTED BY THE ENGINEER.								
310	THE REMOVAL OF THE EXISTING IRRIGATION SYSTEM LOCATED IN THE LANDSCAPED AREA AT APPROXIMATELY STA 112+00 TO STA 113+00 LEFT OF CR-47 SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 210A-000, UNCLASSIFIED EXCAVATION.								
RESPONSIBLE PE: CHARLES WRIGHT, PE		SUPERVISOR: CHARLES WRIGHT, PE		DESIGNER: JEFFREY THEO				SHEET TITLE	
DATE:		DATE:		DATE:				PROJECT NOTES SHEET	
						 SHELBY COUNTY HIGHWAY DEPARTMENT		ROUTE	
						NOT TO SCALE		CR-47	

GENERAL TRAFFIC CONTROL PLAN NOTES

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	2C

○ DENOTES NOTES THAT APPLY TO THIS PROJECT

- 700 THE TRAFFIC CONTROL PLAN IS DEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL DEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.D. PART 6 AS DIRECTED BY THE ENGINEER. COST SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEM.
- 701 ALL BLACK ON ORANGE CONSTRUCTION SIGNS SHALL BE FABRICATED USING TYPE XI 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 THE SHELBY COUNTY. (SEE SKETCH ON SHEET 21)
- 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 COUNTY. 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 703D.
- 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 ARE TO BE USED WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACED AT THE APPROPRIATE TIME, AND SHALL BE COVERED OR REMOVED WHEN FLAGGERS ARE NOT ON DUTY AND DURING NON-WORKING HOURS.
- 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 RA-1 (REBUILD ALABAMA) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTED ON THE RIGHT-HAND SIDE OF THE ROADWAY ON THEIR OWN SUPPORT SYSTEM. THE RA-1 SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- 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 W8 SIGNS INTENDED TO WARN MOTORISTS OF SURFACE CONDITIONS EXTENDING FOR GREATER THAN 1 MILE SHALL BE PLACED PRIOR TO THE BEGINNING OF SURFACE CONDITION AND AT 1 MILE INCREMENTS THEREAFTER, WITH THE EXCEPTION SPECIFIED IN NOTE 727.
- 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 ½ 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 OMITTED
- 740 OMITTED
- 741 FOR DIVIDED ROADWAYS, THE REQUIRED ADVANCE WARNING SIGNS SHALL BE POSTED ON BOTH THE RIGHT AND LEFT SIDE OF THE ROADWAY.
- 742 THE CONTRACTOR SHALL CLOSE THE LANE ADJACENT TO THE WORK AREA ANYTIME WORK OUTSIDE THE EXISTING TRAVEL LANES ENCROACHES WITHIN 2 FEET OF THE EXISTING EDGE OF PAVEMENT.
- 743 OMITTED
- 744 THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCD, PART 6, 2009 EDITION.
- 745 OMITTED
- 746 UNEVEN LANES SIGNS SHALL BE COVERED OR REMOVED WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.
- 747 MOVING OPERATIONS SHALL BE CONFINED TO ONE LANE IN THE DIRECTION OF TRAFFIC.

- 748 R16-3 (WHEN WORKERS ARE PRESENT BEGIN HIGHER FINES) AND R16-3A (END HIGHER FINES) SIGNS SHALL BE REQUIRED FOR EVERY PROJECT ON STATE ROUTES AND INTERSTATE HIGHWAYS. THESE SIGNS SHALL BE POSTED AT THE BEGINNING AND END OF THE PROJECT WITH AN R2-1 (REGULATORY SPEED SIGN) ALWAYS FOLLOWING THE R16-3 SIGN. R16-3B (HIGHER FINES ZONE) AND R2-1 SIGNS SHALL BE POSTED AT MAXIMUM INTERVALS OF THREE MILES THROUGHOUT THE PROJECT LIMITS.
- 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 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 SINGULAR 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:
- FOR CHRISTMAS AND NEW YEARS DAY:
FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.
- FOR NATIONAL MEMORIAL DAY AND LABOR DAY:
FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.
- FOR INDEPENDENCE DAY (THE 4TH OF JULY):
FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.
- FOR THANKSGIVING DAY:
FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.
- ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE 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 SHELBY COUNTY'S LIST OF OFFICIAL STATE HOLIDAYS.
- 753 THERE SHALL BE NO LANE CLOSURES MONDAY THOUGH FRIDAY BETWEEN THE HOURS OF 7:00 TO 9:00 AM AND 2:30 TO 6:00 PM WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

NOT TO SCALE



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

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REVISIONS:
1. Modified Note 748 for the addition of the R13-3b sign on 9-28-2021 by D.J.W.
2. Aligned text for Note 746 on 12-8-2021 by D.J.W.

GENERAL TRAFFIC CONTROL
PLAN NOTES

SPECIAL DRAWING NO
SPECIAL PROJECT DETAIL
INDEX NO
2000

RESPONSIBLE PE: CHARLES WRIGHT, PE

SUPERVISOR: CHARLES WRIGHT, PE

DESIGNER: JEFFREY THEO



SHELBY COUNTY
HIGHWAY DEPARTMENT

NOT TO SCALE

SHEET TITLE

ROUTE

DATE:

DATE:

DATE:

GENERAL TRAFFIC CONTROL
PLAN NOTES

CR-47

						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
						SCP 59-939-23/ ST-059-888-007	2024	2D
<div>TRAFFIC SIGNAL PLAN NOTES</div> <div>IN THE EVENT CONFLICTS OCCUR BETWEEN THE PROJECT TRAFFIC SIGNAL NOTES AND THE MUTCD, THE MUTCD WILL GOVERN.</div> <div><div></div>NOTES THAT APPLY TO THIS PROJECT.</div> <div><div><div><div>500.</div><div>WHEN THE CONTROLLER IS IN THE FLASHING MODE, THE VEHICULAR SIGNAL HEADS SHALL FLASH YELLOW ON US HIGHWAY 280, RED ON ALL CROSS STREETS, AND RED ON PROTECTED LEFT TURNS.</div></div><div><div>501.</div><div>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.</div></div><div><div>502.</div><div>ALL EXISTING TRAFFIC CONTROL EQUIPMENT WHICH IS THE PROPERTY OF THE THE CITY OF CHELSEA 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.</div></div><div><div>503.</div><div>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.</div></div><div><div>504.</div><div>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 THE ALABAMA DEPARTMENT OF TRANSPORTATION.</div></div><div><div>505.</div><div>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).</div></div><div><div>506.</div><div>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.</div></div><div><div>507.</div><div>THE ALABAMA DEPARTMENT OF TRANSPORTATION 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.</div></div><div><div>508.</div><div>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.</div></div><div><div>509.</div><div>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.</div></div><div><div>510.</div><div>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.</div></div><div><div>511.</div><div>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.</div></div><div><div>512.</div><div>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.</div></div><div><div>513.</div><div>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.</div></div><div><div>514.</div><div>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.</div></div><div><div>515.</div><div>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.</div></div><div><div>516.</div><div>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.</div></div><div><div>517.</div><div>MARKING/WARNING TAPE SHALL BE BURIED OVER CONDUIT. THE TAPE SHALL BE 4 INCH POLYETHYLENE, RED IN COLOR WITH BLACK LETTERING.</div></div><div><div>518.</div><div>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.</div></div><div><div>519.</div><div>WHEN SIGNAL 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 SIGNAL TIMINGS. THE COST OF CALCULATING SYSTEM TIMINGS SHALL BE A SUBSIDIARY OBLIGATION OF 730C.</div></div><div><div>520.</div><div>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.</div></div><div><div>521.</div><div>THE { AREA TRAFFIC ENGINEER / CITY TRAFFIC ENGINEER / COUNTY TRAFFIC ENGINEER } SHALL BE RESPONSIBLE FOR INPUTTING AND FINE TUNING THE TIMINGS.</div></div><div><div>522.</div><div>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.</div></div><div><div>523.</div><div>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.</div></div><div><div>524.</div><div>THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS TO THE AREA TRAFFIC ENGINEER.</div></div><div><div>525.</div><div>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.</div></div><div><div>526.</div><div>WHEN LUMINAIRES PAID FOR AS A SUBSIDIARY OF 730N ARE INCLUDED, THE RELATED PHOTODECTORS 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 PHOTOCCELL WHEN COMPARED TO MOUNTING ON THE DISCONNECT POLE IN ITS TRADITIONAL LOCATION. WHERE THE EFFECT OF SHADOWS IS UNCERTAIN, THE CONTRACTOR SHALL MOUNT THE PHOTODECTOR IN ITS STANDARD LOCATION.</div></div><div><div>527.</div><div>WHEN IMSA SIGNAL CABLE 20-1 IS USED THAT IS 7C OR LARGER, 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.</div></div><div><div>528.</div><div>CONTRACTOR SHALL PROVIDE AN OFF-DUTY POLICE OFFICER FOR INTERSECTION TRAFFIC CONTROL DURING TIMES WHEN THE TRAFFIC SIGNAL IS OUT OF SERVICE. ANY COSTS ASSOCIATED WILL BE SUBSIDIARY OF 730C.</div></div><div><div>529.</div><div>CONTRACTOR SHALL COORDINATE WITH THE AREA TRAFFIC ENGINEER FOR APPROVED TIMES OF DAY WHEN LANE CLOSURES ON U.S. HIGHWAY 280 WILL BE PERMITTED. NO LANE CLOSURES WILL BE ALLOWED DURING MORNING AND AFTERNOON PEAK PERIODS.</div></div></div></div>								
RESPONSIBLE PE: CODY LONG, PE			SUPERVISOR: CODY LONG, PE		DESIGNER: CODY LONG, PE			
DATE: MAY 8, 2023			DATE: MAY 8, 2023		DATE: MAY 8, 2023			
							SHEET TITLE	
							TRAFFIC SIGNAL PLAN NOTES	
							ROUTE	
							CR-47	

SUMMARY OF QUANTITIES						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	
						SCP 59-939-23 / ST-059-888-007	2024	3	
	ROADWAY QUANTITY	ITEM NO.	UNIT	DESCRIPTION	PROJECT NOTES				
	1	201A-002	LUMP SUM	CLEARING AND GRUBBING (MAXIMUM ALLOWABLE BID \$ 8000 PER ACRE) (APPROXIMATELY 1 ACRE)					
	15	206D-000	LIN FT	REMOVING PIPE					
	1240	206D-003	LIN FT	REMOVING CURB AND GUTTER					
	2	206E-001	EACH	REMOVING INLETS					
	1600	210A-000	CU YD	UNCLASSIFIED EXCAVATION	301, 303, 305, 310				
	650	210D-001	CU YD	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)	303, 305				
	10	214A-000	CU YD	STRUCTURE EXCAVATION					
	5	214B-001	CU YD	FOUNDATION BACKFILL, COMMERCIAL					
	11	230A-000	RDBD STA	ROADBED PROCESSING					
	50	305B-077	TON	CRUSHED AGGREGATE, SECTION 825, FOR MISCELLANEOUS USE	309				
	420	405A-000	GALLON	TACK COAT					
	725	408A-052	SQ YD	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.0" THICK)	306				
	210	424A-361	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D					
	215	424B-650	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D					
	50	424B-654	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, PATCHING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D	302				
	430	424B-680	TON	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D					
	8	530A-001	LIN FT	18" ROADWAY PIPE (CLASS 3 R.C.)					
	1	600A-000	LUMP SUM	MOBILIZATION					
	5	602A-000	EACH	RIGHT OF WAY MARKERS	304				
	600	610D-003	SQ YD	FILTER BLANKET, GEOTEXTILE					
	3	620A-000	CU YD	MINOR STRUCTURE CONCRETE					
	1	621A-011	EACH	JUNCTION BOXES, TYPE 1 OR 1P					
	1	621C-015	EACH	INLETS, TYPE S1 OR S3 (1 WING)					
	1	621C-017	EACH	INLETS, TYPE S1 OR S3 (2 WING)					
	1	621E-000	EACH	MANHOLES, TYPE SPECIAL					
	1235	623C-003	LIN FT	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)					
	100	650A-000	CU YD	TOPSOIL					
	1	652A-100	ACRE	SEEDING	305				
	830	654A-000	SQ YD	SOLID SODDING					
	1	656A-010	ACRE	MULCHING	305				
	1	665A-000	ACRE	TEMPORARY SEEDING					
	3	665B-001	TON	TEMPORARY MULCHING					
	500	665E-000	SQ YD	POLYETHYLENE					
	100	665G-000	EACH	SAND BAGS					
	900	665J-002	LIN FT	SILT FENCE					
	100	665N-000	TON	TEMPORARY COARSE AGGREGATE,ALDOT NUMBER 1					
	900	665O-001	LIN FT	SILT FENCE REMOVAL					
	2	665P-005	EACH	INLET PROTECTION, STAGE 3 OR 4					
	100	665Q-002	LIN FT	WATTLE					
	1	680A-001	LUMP SUM	GEOMETRIC CONTROLS					
	1700	701B-207	LIN FT	DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	308				
	1	701D-005	MILE	SOLID TRAFFIC STRIPE REMOVED					
	1	701D-013	MILE	BROKEN TRAFFIC STRIPE REMOVED					
	2000	701E-000	LIN FT	SOLID TEMPORARY TRAFFIC STRIPE					
	600	701E-010	LIN FT	BROKEN TEMPORARY TRAFFIC STRIPE					
	280	701G-146	LIN FT	SOLID WHITE, CLASS W, TYPE A TRAFFIC STRIPE (5"WIDE)	308				
	280	701G-154	LIN FT	SOLID YELLOW, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	308				
	290	701G-242	LIN FT	BROKEN WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)					
	3600	701G-253	LIN FT	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	307, 308				
	450	701G-256	LIN FT	BROKEN YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	308				
	5680	701G-265	LIN FT	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	308				
	200	701H-011	LIN FT	DOTTED TRAFFIC STRIPE REMOVED (PLASTIC)					
	2344	703A-002	SQ FT	TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A					
	382	703B-002	SQ FT	TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A	308				
	650	703C-001	SQ FT	REMOVAL OF EXISTING TRAFFIC CONTROL MARKINGS OR LEGENDS (PLASTIC)					
	432	703D-001	SQ FT	TEMPORARY TRAFFIC CONTROL MARKINGS					
	65	705A-030	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 2-C	308				
	80	705A-032	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 1-B	308				
	80	705A-037	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	308				
	40	705A-038	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 2-E	308				
	15	710A-160	SQ FT	CLASS 10 ALUMINUM FLAT SIGN PANELS 0.08" THICK (TYPE XI BACKGROUND)					
	18	710A-170	SQ FT	CLASS 4, ALUMINUM FLAT SIGN PANELS 0.08" THICK (TYPE IV BACKGROUND)					
	56	710B-021	LIN FT	ROADWAY SIGN POST (#3 U CHANNEL, GALVANIZED STEEL OR 2", 14 GA SQUARE TUBULAR STEEL)					
	1	711A-000	LUMP SUM	ROADWAY SIGN RELOCATION					
	1	730A-012	LUMP SUM	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT (PARTIAL) (1 INTERSECTION)					
	1	730C-000	LUMP SUM	FURNISHING AND INSTALLING TRAFFIC CONTROL UNIT (SR-38 AT CR-47)					
	2	730P-022	EACH	VEHICULAR SIGNAL HEAD, 12 INCH, 3 SECTION, TYPE LED					
	2	730P-023	EACH	VEHICULAR SIGNAL HEAD, 12 INCH, 4 SECTION, TYPE LED					
	8	730Q-020	EACH	MISCELLANEOUS EQUIPMENT, BACKPLATE FOR EXISTING VEHICULAR SIGNAL HEAD, 3 SECTION					
	600	740B-000	SQ FT	CONSTRUCTION SIGNS					
	100	740D-000	EACH	CHANNELIZING DRUMS					
	100	740E-000	EACH	CONES (36 INCHES HIGH)					
	6	740F-002	EACH	BARRICADES, TYPE III					
	100	740M-001	EACH	BALLAST FOR CONE					
RESPONSIBLE PE: CHARLES WRIGHT, PE		SUPERVISOR: CHARLES WRIGHT, PE		DESIGNER: JEFFREY THEO		NOT TO SCALE		SHEET TITLE	ROUTE
DATE:		DATE:		DATE:				SUMMARY OF QUANTITIES	CR-47

SUMMARY OF QUANTITIES

REQUIRED REMOVAL ITEMS						
ROADWAY	STATION	SIDE	REMOVING PIPE	REMOVING CURB AND GUTTER	REMOVING INLETS	REMARKS
			(LIN FT) 206D-000	(LIN FT) 206D-003	(EACH) 206E-001	
CR-47	102+14.62 TO 106+99.97	LT		540.00	1.00	SINGLE WING S-INLET. STA RANGE INCLUDES RADII.
CR-47	107+29.82 TO 110+90.24	LT		445.00		STA RANGE INCLUDES RADII.
CR-47	111+31.62 TO 113+24.21	LT		255.00		STA RANGE INCLUDES RADII.
CR-47	112+77.99	LT	15.00		1.00	18" RCP/DBL WING S-INLET
PROJECT TOTAL			15	1240	2	

REQUIRED CONCRETE CURB AND CURB & GUTTER					
ROADWAY	STA TO STA	SIDE	COMBINATION CURB & GUTTER TYPE C (MODIFIED)	DRAWING	REMARKS
			(LIN FT) 623C-003		
CR-47	102+14.62 TO 106+99.97	LT	520.00	623-XY	STA RANGE INCLUDES RADII.
CR-47	107+29.82 TO 110+47.22	LT	415.00	623-XY	STA RANGE INCLUDES RADII.
CR-47	110+79.30 TO 113+27.48	LT	300.00	623-XY	STA RANGE INCLUDES RADII.
PROJECT TOTAL			1235		

REQUIRED DRAINAGE SUMMARY																		
LOCATION		PLAN SHEET	DRAINAGE SHEET	SIDE	DRAINAGE STRUCTURE INDEX NUMBER	18" ROADWAY PIPE (CLASS 3 R.C.) (LIN FT)	JUNCTION BOXES, TYPE 1 OR 1P	INLETS, TYPE S1 OR S3 (1 WING)	INLETS, TYPE S1 OR S3 (2 WING)	STRUCTURE EXCAVATION (CU YD)	FOUNDATION BACKFILL COMMERCIAL (CU YD)	FILL HEIGHT	DRAWING	REMARKS				
ROADWAY	STATION														PAY ITEM NO.			
CR-47	103+59.12	4	40	LT	1-2	8.00	1.00	1.00		10.00	5.00	3'	RPC-530 (SHEET 1 OF 3) RPC-530 (SHEET 2 OF 3) CC-530 I-621-S I-621-S (PC) (SHEET 1 OF 3) I-621-S (PC) (SHEET 2 OF 3) I-621-S (PC) (SHEET 3 OF 3) JB-620-B JB-621-P (PC) (SHEET 1 OF 2) JB-621-P (PC) (SHEET 2 OF 2)					
CR-47	112+77.99	6	40	LT	3				1.00									
PROJECT TOTAL						8	1	1	1	10	5							

SUMMARY OF QUANTITIES

REQUIRED ROW MARKERS						
ROADWAY	STATION	OFFSET	SIDE	RIGHT OF WAY MARKERS (EACH) 602A-000	DRAWING	REMARKS
CR-47	106+34.83	39.65	LT	1	M-602	TIE TO PRES.
CR-47	106+90.97	85.91	LT	1	M-602	TIE TO PRES.
CR-47	109+11.60	34.50	LT	1	M-602	TIE TO PRES.
CR-47	110+10.64	34.54	LT	1	M-602	TIE TO PRES.
CR-47	110+13.87	171.25	LT	1	M-602	TIE TO PRES.
PROJECT TOTAL				5		

REQUIRED MANHOLE				
ROADWAY	STA	SIDE	MANHOLE, TYPE SPECIAL (EACH) 621E-000	REMARKS
ACCESS ROAD	10+83.00	RT	1.00	SHEET 38
PROJECT TOTAL			1	

REQUIRED EROSION AND SEDIMENT CONTROL SUMMARY				
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DRAWING
610D-003	FILTER BLANKET, GEOTEXTILE	600	SQ YD	ESC-100 (2 SHEETS)
665A-000	TEMPORARY SEEDING	1	ACRE	ESC-300 (8 SHEETS)
665B-001	TEMPORARY MULCHING	3	TON	ESC-400 (5 SHEETS)
665E-000	POLYETHYLENE	500	SQ YD	ESC-501
665G-000	SAND BAGS	100	EACH	ESC-503
665J-002	SILT FENCE	900	LIN FT	ESC-504
665N-000	TEMPORARY COARSE AGGREGATE, ALDOT NUMBER 1	100	TON	ESC-506 (2 SHEETS)
665O-001	SILT FENCE REMOVAL	900	LIN FT	ESC-507
665P-005	INLET PROTECTION, STAGE 3 OR 4	2	EACH	ESC-508
665Q-002	WATTLE	100	LIN FT	

REQUIRED SOLID SOD				
ROADWAY	STA TO STA	SIDE	SOLID SODDING (SQ YD) 654A-000	REMARKS
CR-47	102+14.62 TO 106+99.97	LT	350.00	
CR-47	107+29.82 TO 110+47.22	LT	280.00	
CR-47	110+79.30 TO 113+27.48	LT	200.00	
PROJECT TOTAL			830	

REQUIRED REMOVAL TRAFFIC STRIPE AND TRAFFIC CONTROL MARKINGS AND LEGENDS					
ROADWAY	SOLID TRAFFIC STRIPE REMOVED (MILE) 701D-005	BROKEN TRAFFIC STRIPE REMOVED (MILE) 701D-013	DOTTED TRAFFIC STRIPE REMOVED (PLASTIC) (LIN FT) 701H-011	REMOVAL OF EXISTING TRAFFIC CONTROL MARKINGS OR LEGENDS (PLASTIC) (SQ FT) 703C-001	REMARKS
CR-47	0.90	1.00	200.00	500	
ACCESS ROAD	0.10			150.00	
PROJECT TOTAL	1	1	200	650	

REQUIRED PERMANENT AND TEMPORARY STRIPES AND PAVEMENT MARKERS															
ROADWAY	STATION	CLASS 2, TYPE A	CLASS W, TYPE A		CLASS 2, TYPE A				SOLID TEMPORARY TRAFFIC STRIPE	BROKEN TEMPORARY TRAFFIC STRIPE	PAVEMENT MARKERS				DRAWING
		DOTTED (5" WIDE)	SOLID WHITE (5" WIDE)	SOLID YELLOW (5" WIDE)	BROKEN WHITE (5" WIDE)	SOLID WHITE (5" WIDE)	BROKEN YELLOW (5" WIDE)	SOLID YELLOW (5" WIDE)			CLASS A-H TYPE 2-C	CLASS A-H TYPE 1-B	CLASS A-H TYPE 2-D	CLASS A-H TYPE 2-E	
CR-47	104+26.99 TO 113+39.40	1405.00			290.00	1100.00		1750.00	2000.00	600.00	50		30		PM-705-1 PM-705-2 SHEET 13 SHEET 14
CHELSEA CORNERS WAY	107+15.00					230.00		100.00			10		10		
RE STRIPE CR-47	89+65.00 TO 102+14.62	80.00	280.00	280.00		1560.00	450.00	2900.00			5	80	40	40	
US-280		215.00				710.00		930.00							
PROJECT TOTAL		1700	280	280	290	3600	450	5680	2000	600	65	80	80	40	

SUMMARY OF QUANTITIES

REQUIRED TRAFFIC CONTROL MARKINGS AND LEGENDS						
ROADWAY	STATION	SIDE	TRAFFIC CONTROL MARKINGS CLASS 2, TYPE A (SQ FT) 703A-002	TRAFFIC CONTROL LEGENDS CLASS 2, TYPE A (SQ FT) 703B-002	TEMPORARY TRAFFIC CONTROL MARKINGS (SQ FT) 703D-001	REMARKS
CR-47	104+35.00	LT	42.25			LANE REDUCTION ARROW
CR-47	105+08.00	LT/RT		22.41		ONLY
CR-47	105+48.00	LT/RT	16.46			TURN ARROW
CR-47	105+97.00	LT	42.25			LANE REDUCTION ARROW
CR-47	107+04.00	LT	300.00		210.00	HATCH
CR-47	107+06.00	LT	16.46			TURN ARROW
CR-47	107+06.00	LT		22.41		ONLY
CR-47	107+16.00	LT	27.57			THROUGH/TURN
CR-47	107+30.00	RT	24.00		24.00	STOP
CR-47	107+37.00	RT	16.46			TURN ARROW
CR-47	107+45.00	RT	100.00		84.00	HATCH
CR-47	107+52.00	RT	16.46			TURN ARROW
CR-47	107+74.00	RT	54.00			STOP
CR-47	108+14.00	LT	16.46			TURN ARROW
CR-47	108+30.00	RT	16.46			TURN ARROW
CR-47	108+53.00	LT		22.41		ONLY
CR-47	108+72.00	RT		22.41		ONLY
CR-47	109+70.00	LT	16.46			TURN ARROW
CR-47	109+80.00	RT		22.41		ONLY
CR-47	110+10.00	LT		22.41		ONLY
CR-47	110+20.00	RT	16.46			TURN ARROW
CR-47	110+50.00	RT	200.00			HATCH
CR-47	110+64.00	RT	44.00		44.00	STOP
CR-47	110+64.00	RT	16.46			TURN ARROW
CR-47	110+64.00	RT		22.41		ONLY
CR-47	111+02.00	RT		22.41		ONLY
CR-47	111+40.00	RT	16.46			TURN ARROW
CR-47	111+92.00	RT	120.00			HATCH
CR-47	112+02.00	RT	40.00		40.00	STOP
CR-47	112+02.00	RT		22.41		ONLY
CR-47	112+32.00	RT		22.41		ONLY
CR-47	112+32.00	RT		22.41		ONLY
CR-47	112+32.00	RT		22.41		ONLY
CR-47	112+72.00	RT	16.46			TURN ARROW
CR-47	112+72.00	RT	16.46			TURN ARROW
CR-47	112+72.00	RT	12.24			THROUGH ARROW
CR-47	112+72.00	RT	16.46			TURN ARROW
CR-47	113+00.00	LT	30.00			YIELD
CR-47	113+30.00	LT	420.00			HATCH
ACCESS ROAD	10+30.00	LT	30.00		30.00	STOP
ACCESS ROAD	10+30.00	LT	16.46			TURN ARROW
ACCESS ROAD	10+35.00	LT/RT	350.00			HATCH
ACCESS ROAD	10+56.00	LT	16.46			TURN ARROW
ACCESS ROAD	10+97.00	LT		22.41		ONLY
RE STRIPE CR-47	89+65.00 TO 102+14.62	LT/RT	210.00	22.41		TURN ARROW
US-280			50.00	68.00		ONLY
PROJECT TOTAL			2344	382	432	

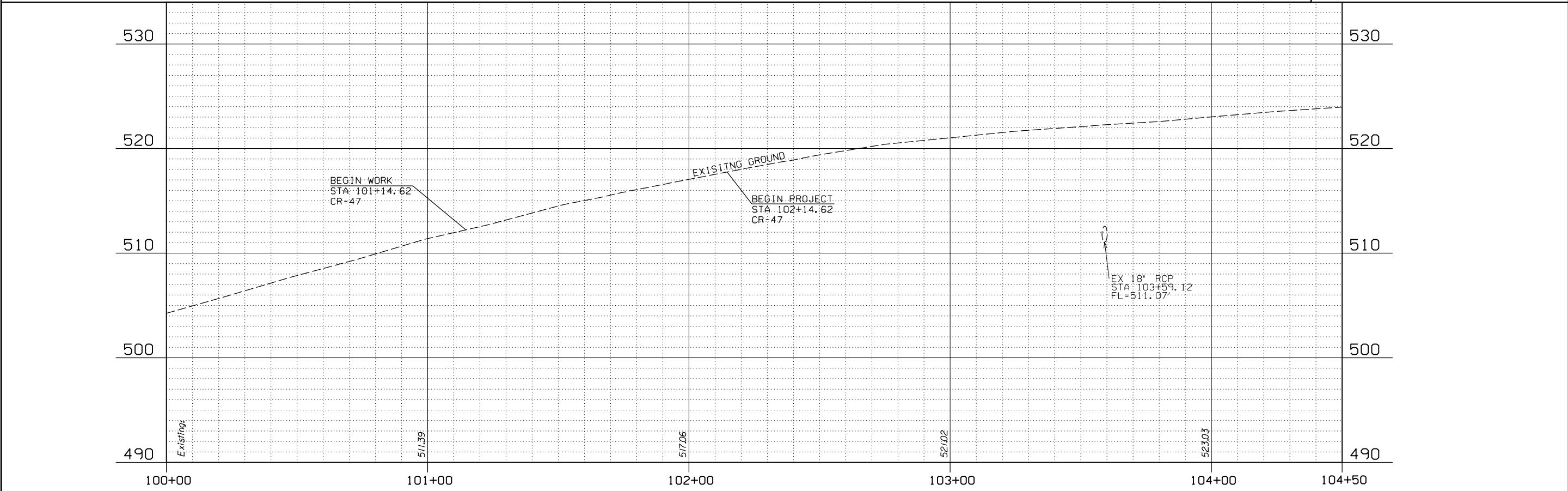
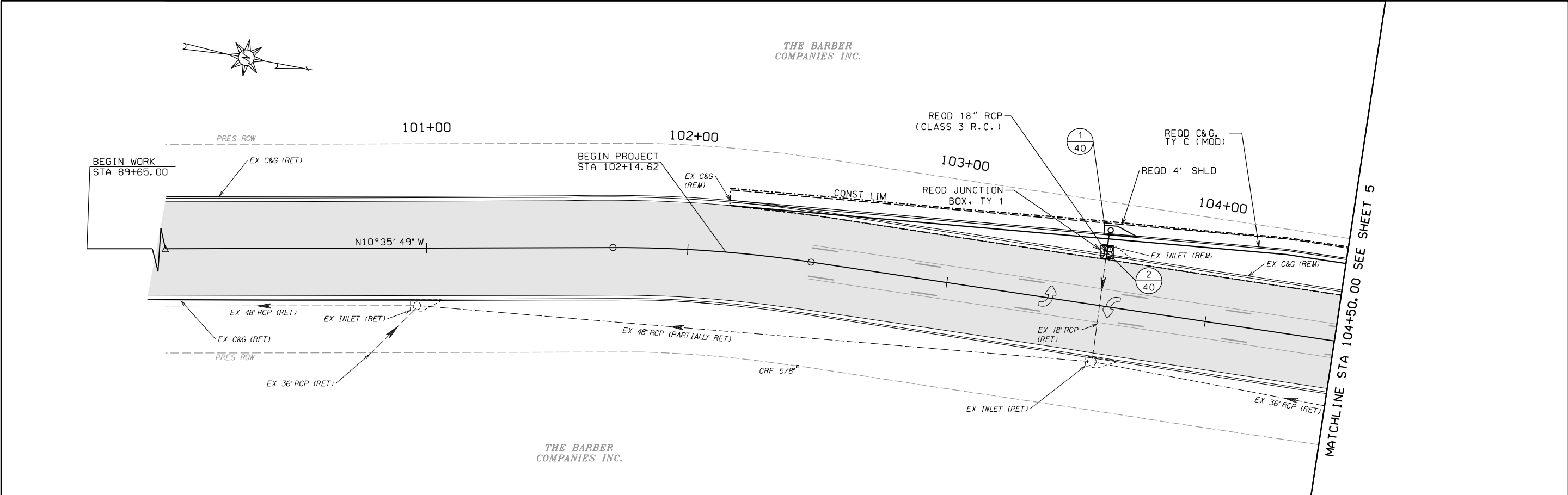
SUMMARY OF QUANTITIES


REQUIRED GROUND-MOUNTED ROADWAY SIGNS (CLASS 4 AND 10) AND ROADWAY SIGN POSTS														
SIGN ID	PLAN SHEET	ROADWAY	STATION	SIDE							ESTIMATE POST LENGTH		DRAWING	REMARKS
					R1-1	R1-2	R3-7R	W4-2	CLASS 10	CLASS 4	#3 U-CHANNEL GALVANIZED STEEL OR 2", 14 GA SQUARE TUBUIAR STEEL	NUMBER OF POSTS		
					STOP (36x36) SHS-1	YIELD (48x48) SHS-1	RIGHT LANE MUST TURN RIGHT (36x36) SHS-2	LANE ENDS (36x36) SHS-13	TYPE XI BACKGROUND (SQ FT) 710A-160	TYPE IV BACKGROUND (SQ FT) 710A-170				
1	11	CR-47	106+36.76	LT				1		9.00	14	1	IHS-710-12 IHS-710-21 IHS-710-23 SHS-1 SHS-2 SHS-13	
2	12	CR-47	110+50.00	LT			1			9.00	14	1		
3	12	CR-47	112+16.00	LT	1				7.46		14	1		
4	12	CR-47	112+92.72	LT		1			6.93		14	1		
PROJECT TOTAL									15	18	56			

REQUIRED SIGN RELOCATION (711A-000)									
PLAN SHEET	ROADWAY	STATION	SIDE	OFFSET (FT)	DESCRIPTION	NO. OF SIGNS	SQ FT	LUMP SUM	REMARKS
11	CR-47	104+63.85	LT	35	NO LITTERING	1	1.50	1	
11	CR-47	106+83.55	LT	47	STOP	1	7.46		
12	CR-47	109+00.00	LT	28	CHELSEA HIGHSCHOOL	1	3.00		
12	CR-47	109+50.00	LT	28	SPEED LIMIT 35	1	7.50		
12	CR-47	110+00.00	LT	28	SOUTH/SHELBY COUNTY 47	2	2.50		
12	CR-47	110+36.84	LT	34	STOP	1	7.46		

PLAN AND PROFILE SHEET

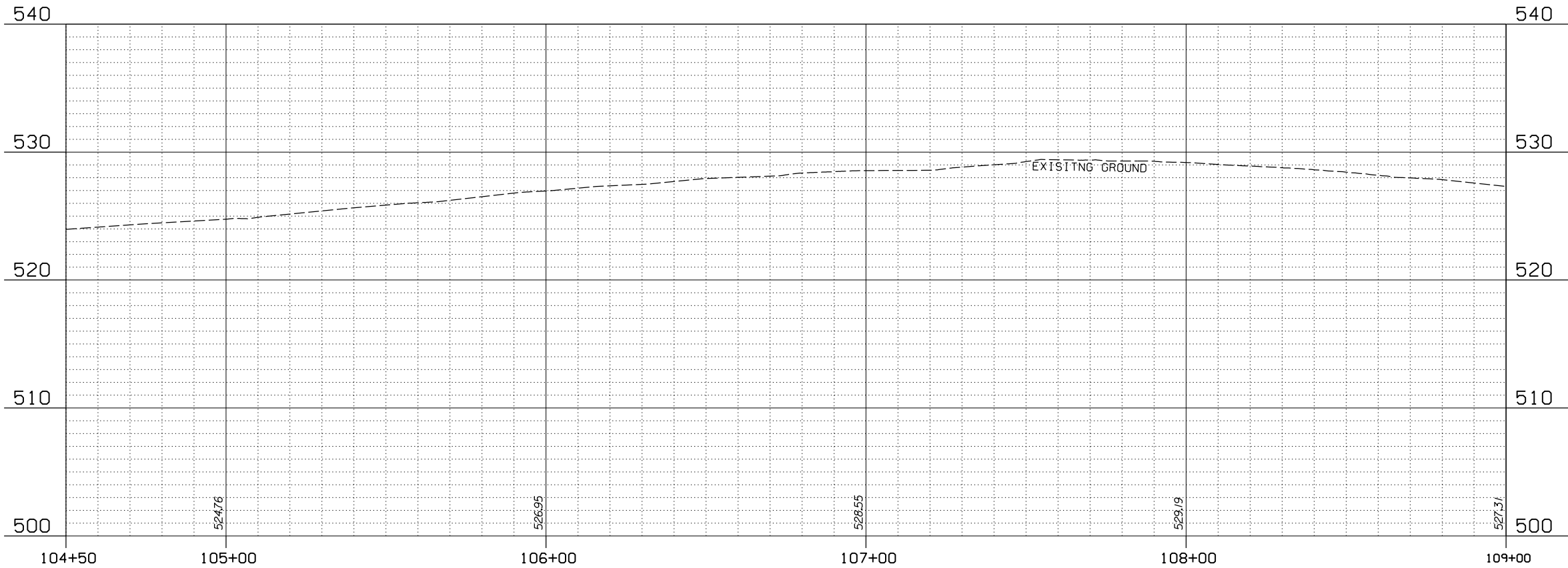
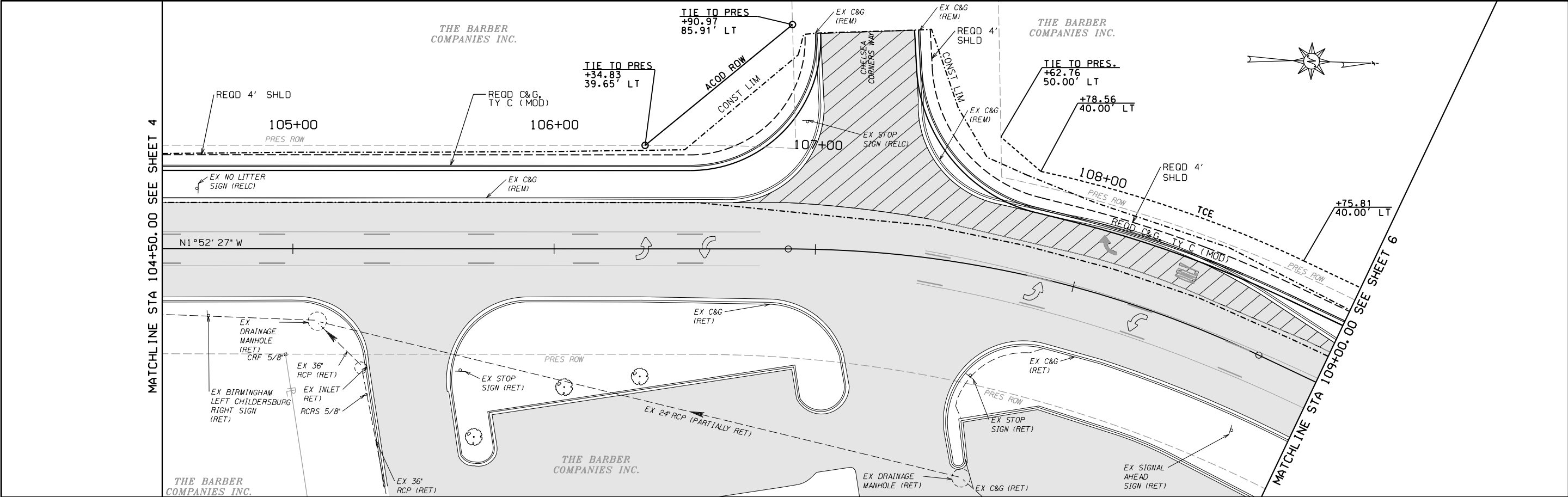
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	4




RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELY COUNTY HIGHWAY DEPARTMENT	HORIZ 0 20 20 SCALE (FEET)	5 VERT 0 5	SHEET TITLE PLAN AND PROFILE SHEET	ROUTE CR-47
DATE:	DATE:	DATE:							

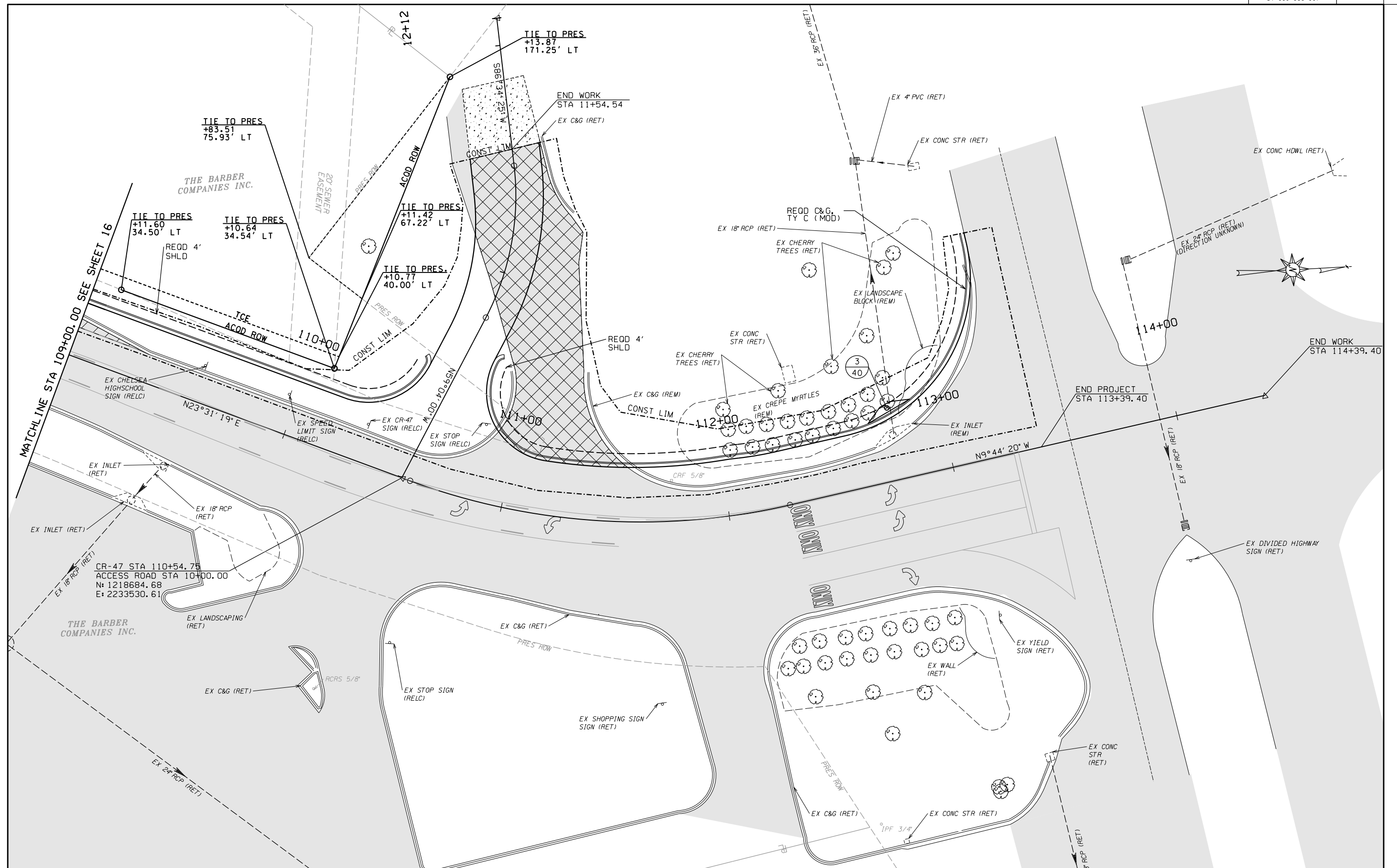
PLAN AND PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	5



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 0 20 20 SCALE (FEET)	VERT 0 5 5	SHEET TITLE PLAN AND PROFILE SHEET	ROUTE CR-47
DATE:	DATE:	DATE:							

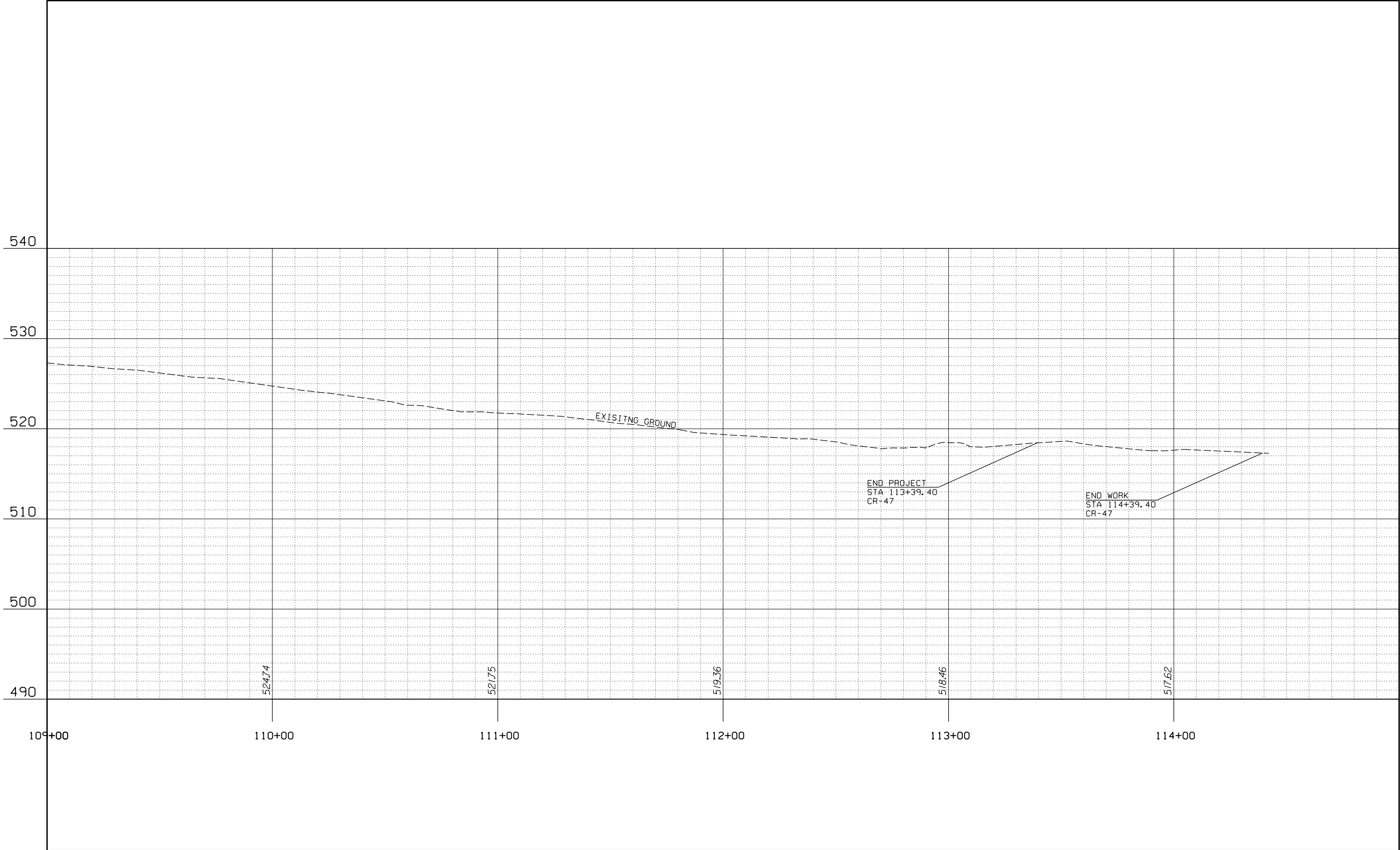
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SCP 59-939-23 / ST-059-888-007	2024	6




CR-47

PROFILE SHEET - CR-47

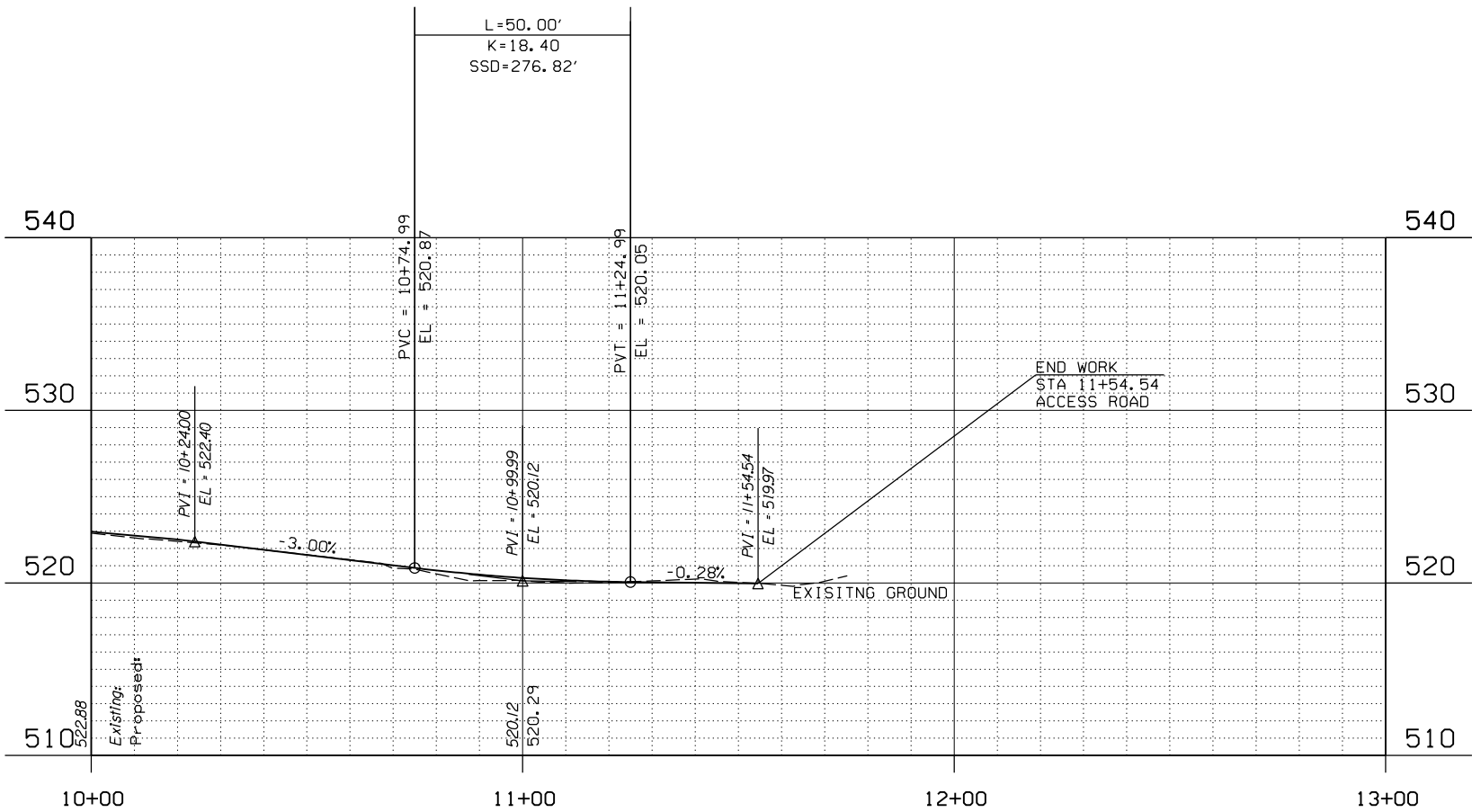
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	7




RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	<div>20 0 20</div> <div>HORIZ</div> <div>5 0 5</div> <div>VERT</div> <div>SCALE (FEET)</div>	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					PROFILE SHEET-CR-47	CR-47

PROFILE SHEET - ACCESS ROAD

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	7A



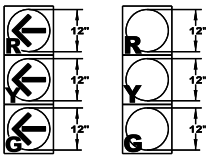
RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	<div><div>HORIZ</div><div>20 0 20</div></div> <div><div>SCALE</div><div>(FEET)</div></div>	<div><div>VERT</div><div>5 0 5</div></div> <div><div>SCALE</div><div>(FEET)</div></div>	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:						PROFILE SHEET-ACCESS ROAD	ACCESS ROAD

TRAFFIC SIGNAL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23/ ST-059-888-007	2024	8

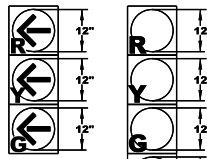
CONDUIT AND CONDUCTOR SCHEDULE			
CONDUIT	CONDUCTOR	FROM	TO
--	4C SIGNAL CABLE	SIGNAL HEAD 5	SIGNAL HEAD 5A
--	4C SIGNAL CABLE	SIGNAL HEAD 8	SIGNAL HEAD 8A/8B
--	4C SIGNAL CABLE	SIGNAL HEAD 7	SIGNAL HEAD 7A

EXISTING TRAFFIC
SIGNAL HEADS



1,5 2,6,7,8

REQUIRED TRAFFIC
SIGNAL HEADS



5a,8a

7a,8b

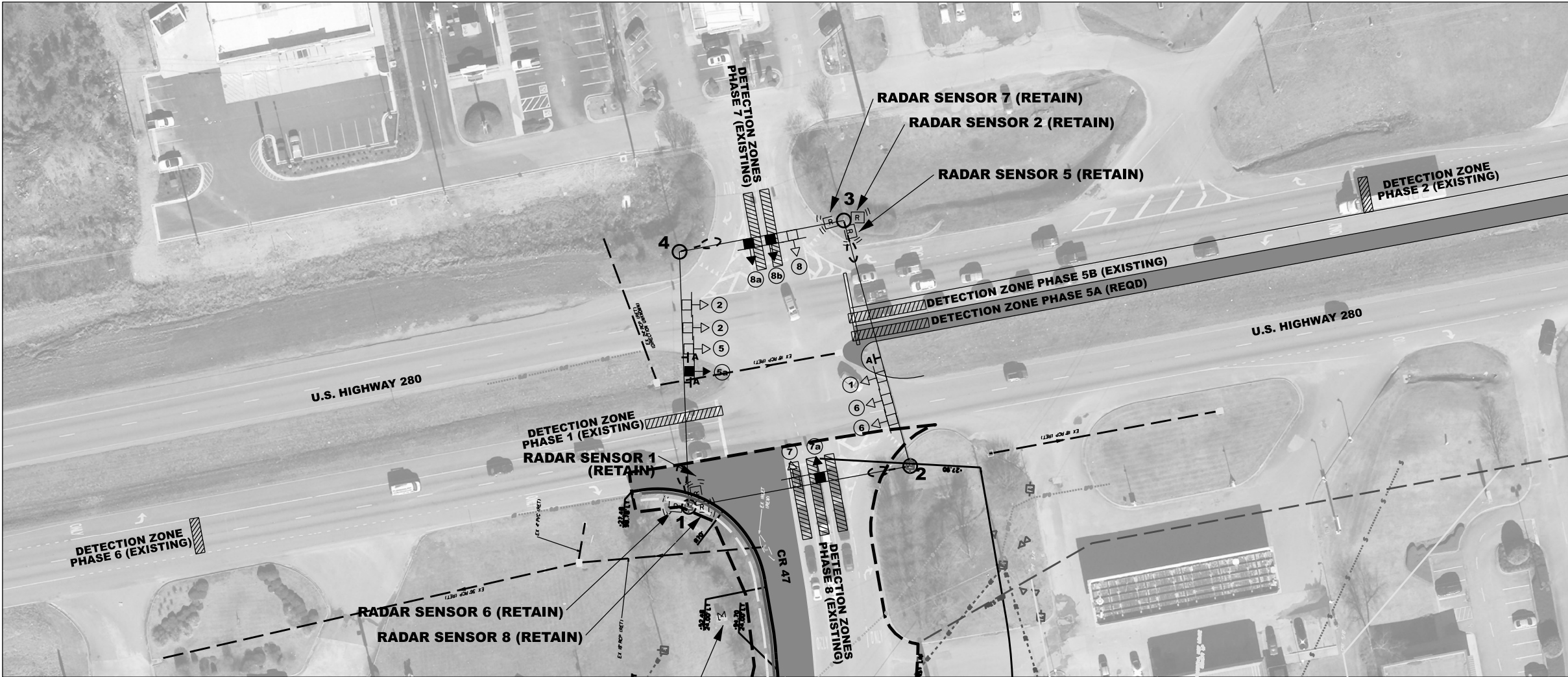
REQUIRED
SIGNS



A

PHASING DIAGRAM

1 ↶	2 ↵	3 OMIT	4 OMIT
5 ↷	6 ↷	7 ⬇	8 ⬆

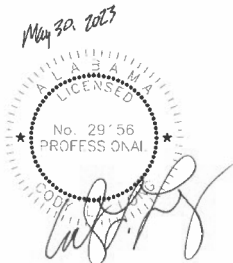


NOTE: RETAIN THE EXISTING SPLIT PHASE
TRAFFIC SIGNAL OPERATING PLAN.

EXISTING BASE MOUNTED
CONTROLLER (RETAIN)

SUPPORTING STRUCTURES				
POLE NO.	POLE LENGTH (APPROX.)	POLE LOCATION (APPROX.)	LUMINAIRE ARM EXT. LENGTH (APPROX.)	COMMENTS
1.	37 FT	EXISTING	12 FT	EXISTING POLE, RETAIN
2.	37 FT	EXISTING	12 FT	EXISTING POLE, RETAIN
3.	37 FT	EXISTING	12 FT	EXISTING POLE, RETAIN
4.	37 FT	EXISTING	12 FT	EXISTING POLE, RETAIN

RADAR DETECTION ZONE CHART					
ZONE	SENSOR	PHASE	SIZE	TYPE	COMMENTS
1	1	1	6'X50'	PRESENCE	EXISTING ZONE, RETAIN
2	2	2	6'X6'	PULSE	EXISTING ZONES, RETAIN
5A	5	5	6'X50'	PRESENCE	NEW ZONE FOR NEW LANE
5B	5	5	6'X50'	PRESENCE	EXISTING ZONE, RETAIN
6	6	6	6'X6'	PULSE	EXISTING ZONE, RETAIN
7	7	7	6'X50'	PRESENCE	EXISTING ZONE, RETAIN
8	8	8	6'X50'	PRESENCE	EXISTING ZONE, RETAIN

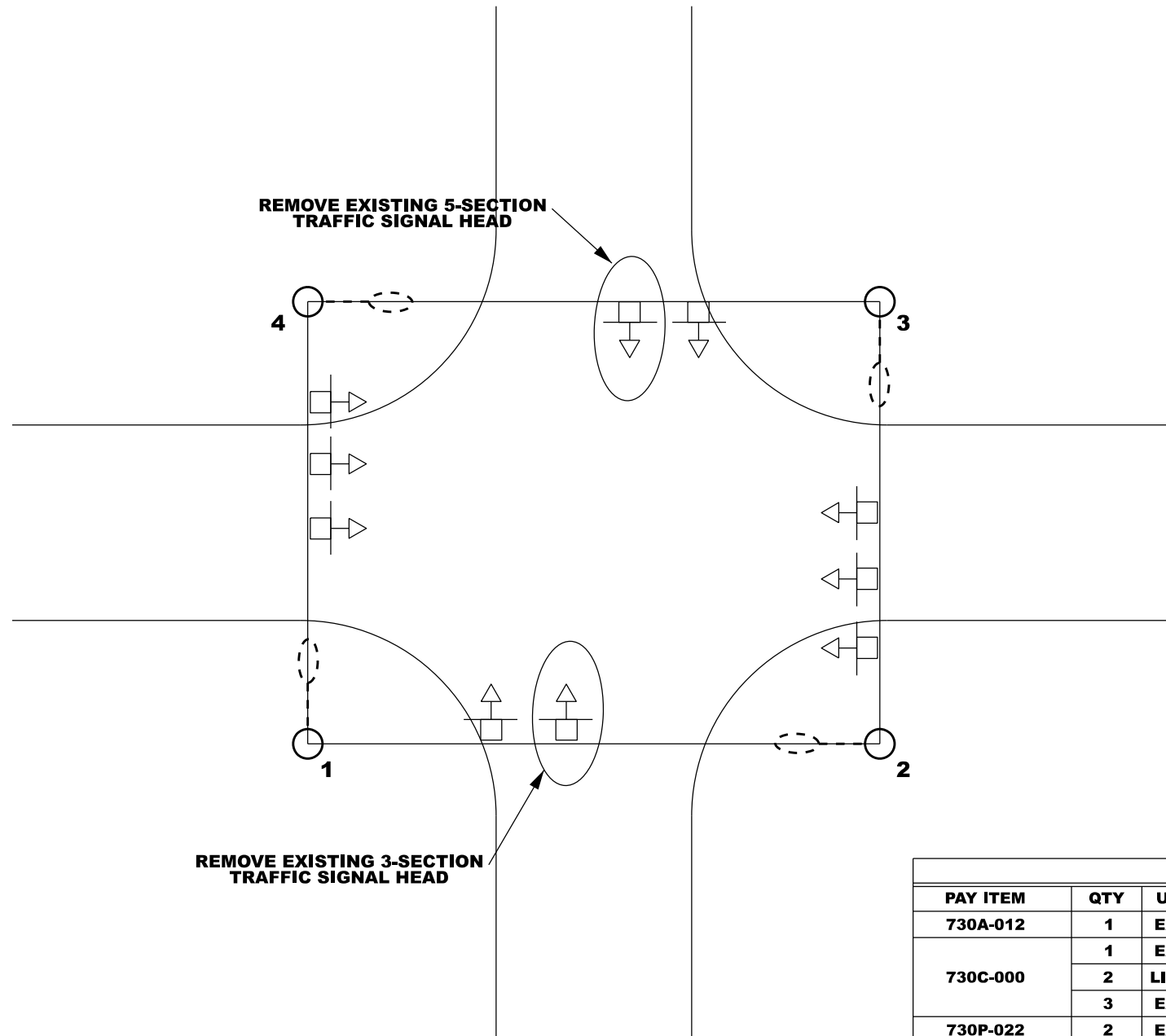


RESPONSIBLE PE: CODY LONG, PE	SUPERVISOR: CODY LONG, PE	DESIGNER: CODY LONG, PE	SHELBY COUNTY HIGHWAY DEPARTMENT	SHEET TITLE	ROUTE
DATE: MAY 8, 2023	DATE: MAY 8, 2023	DATE: MAY 8, 2023		TRAFFIC SIGNAL PLAN	CR-47

TRAFFIC SIGNAL PLAN

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23/ ST-059-888-007	2024	9

REMOVAL DIAGRAM

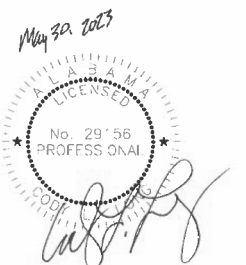


LOCAL CONTROLLER PROGRAMMING CHART													
PHASE	MIN INITIAL	DENSITY ACTIVE	PASSAGE	YELLOW	ALL RED	MAX 1	MAX 2	WALK	FDW	PED OMIT	MIN RECALL	PHASE OMIT	NON-LOCK
1	4	N	4.0	3.4	3.0	20				Y	N	N	N
2	20	N	6.0	3.4	1.3	60				Y	Y	N	N
3	0	N	0.0	0.0	0.0	0				Y	N	Y	N
4	0	N	0.0	0.0	0.0	0				Y	N	Y	N
5	4	N	4.0	3.2	3.0	20				Y	N	N	N
6	20	N	6.0	5.4	1.3	60				Y	Y	N	N
7	4	N	4.0	3.3	3.0	30				Y	N	N	N
8	8	N	4.0	4.4	3.0	30				Y	N	N	N

NOTE: LOCAL CONTROLLER TIMINGS ARE DETERMINED AND MAINTAINED BY THE ALDOT RTOP PROGRAM. TIMING VALUES SHOWN IN THIS CHART ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE TIMINGS SHOWN WERE PRESENT AT THE TIME OF DESIGN AND ARE SUBJECT TO CHANGE. CONTACT ALDOT FOR ANY FURTHER INFORMATION REGARDING INTERSECTION TIMINGS.

TRAFFIC SIGNAL SCOPE OF SERVICES:
 1. INSTALL REQUIRED TRAFFIC SIGNAL HEADS & REQUIRED CONDUCTOR.
 2. REMOVE TRAFFIC SIGNAL HEADS AS DIRECTED.
 3. RECONFIGURE EXISTING RADAR DETECTION ZONES TO ADD ZONE 5A.
 4. REPLACE BACKPLATES ON EXISTING TRAFFIC SIGNAL HEADS AS REQUIRED.
 5. INSTALL REQUIRED SIGNS.
 6. COORDINATE WITH PROJECT STRIPING CONTRACTOR TO ENSURE REQUIRED STRIPING IS IN PLACE PRIOR TO COMPLETING TRAFFIC SIGNAL MODIFICATION.

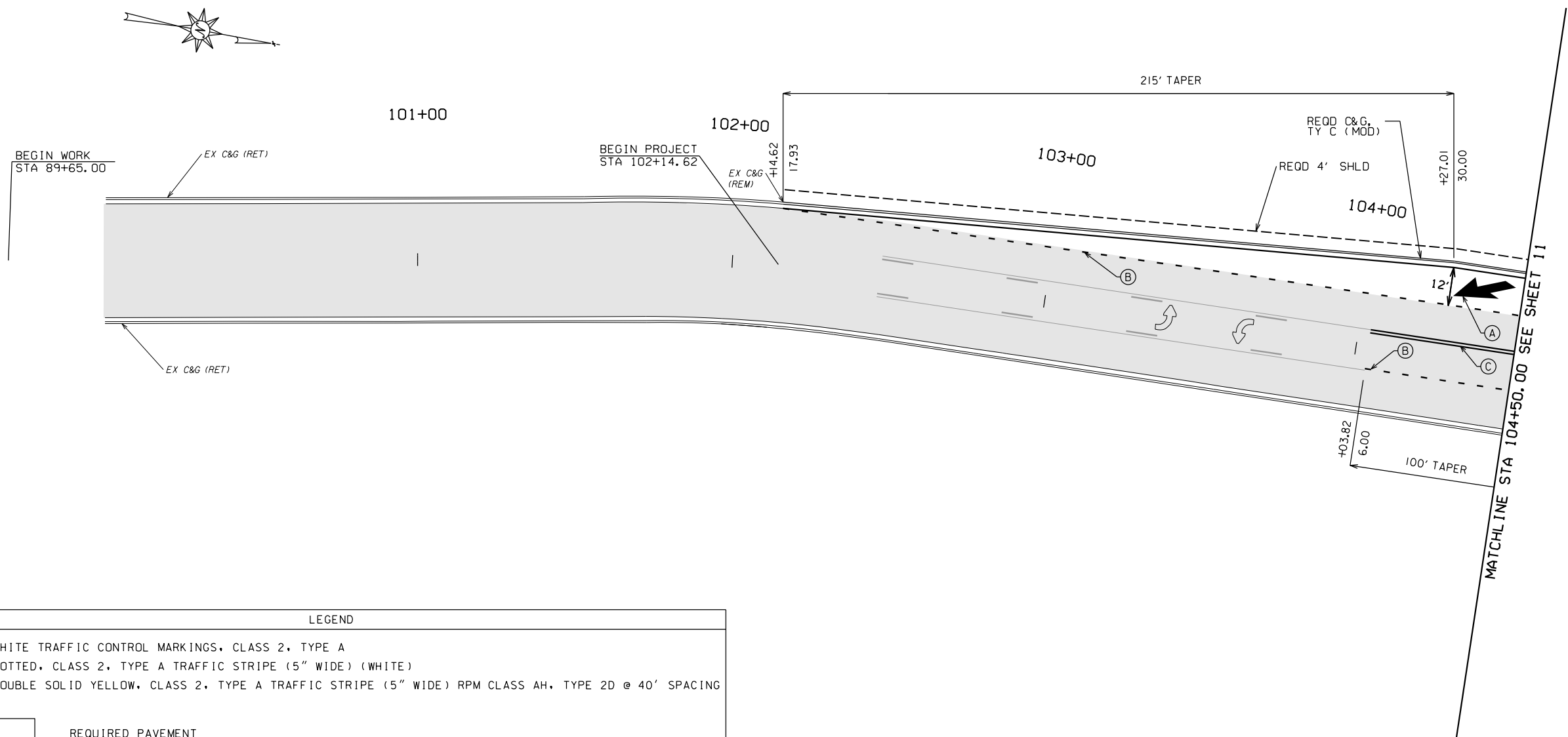
ESTIMATED EQUIPMENT AND MATERIALS SCHEDULE			
PAY ITEM	QTY	UNIT	DESCRIPTION
730A-012	1	EACH	REMOVAL OF EXISTING TRAFFIC CONTROL UNIT (PARTIAL)
730C-000	1	EACH	MISC. HARDWARE
	2	LIN FT	#14 SIGNAL CABLE, IMSA 20-1, 4 CONDUCTOR
	3	EACH	SIGN, R10-X, W/MOUNTING HARDWARE
730P-022	2	EACH	VEHICULAR SIGNAL HEAD, 12 INCH, 3 SECTION, TYPE LED
730P-023	2	EACH	VEHICULAR SIGNAL HEAD, 12 INCH, 4 SECTION, TYPE LED
730Q-020	8	EACH	MISCELLANEOUS EQUIPMENT, BACKPLATE FOR EXISTING VEHICULAR SIGNAL HEAD, 3 SECTION





RESPONSIBLE PE: CODY LONG, PE	SUPERVISOR: CODY LONG, PE	DESIGNER: CODY LONG, PE		SHELBY COUNTY HIGHWAY DEPARTMENT		SHEET TITLE	ROUTE
DATE: MAY 8, 2023	DATE: MAY 8, 2023	DATE: MAY 8, 2023				TRAFFIC SIGNAL PLAN	CR-47

PAVING, STRIPING AND SIGNING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	10



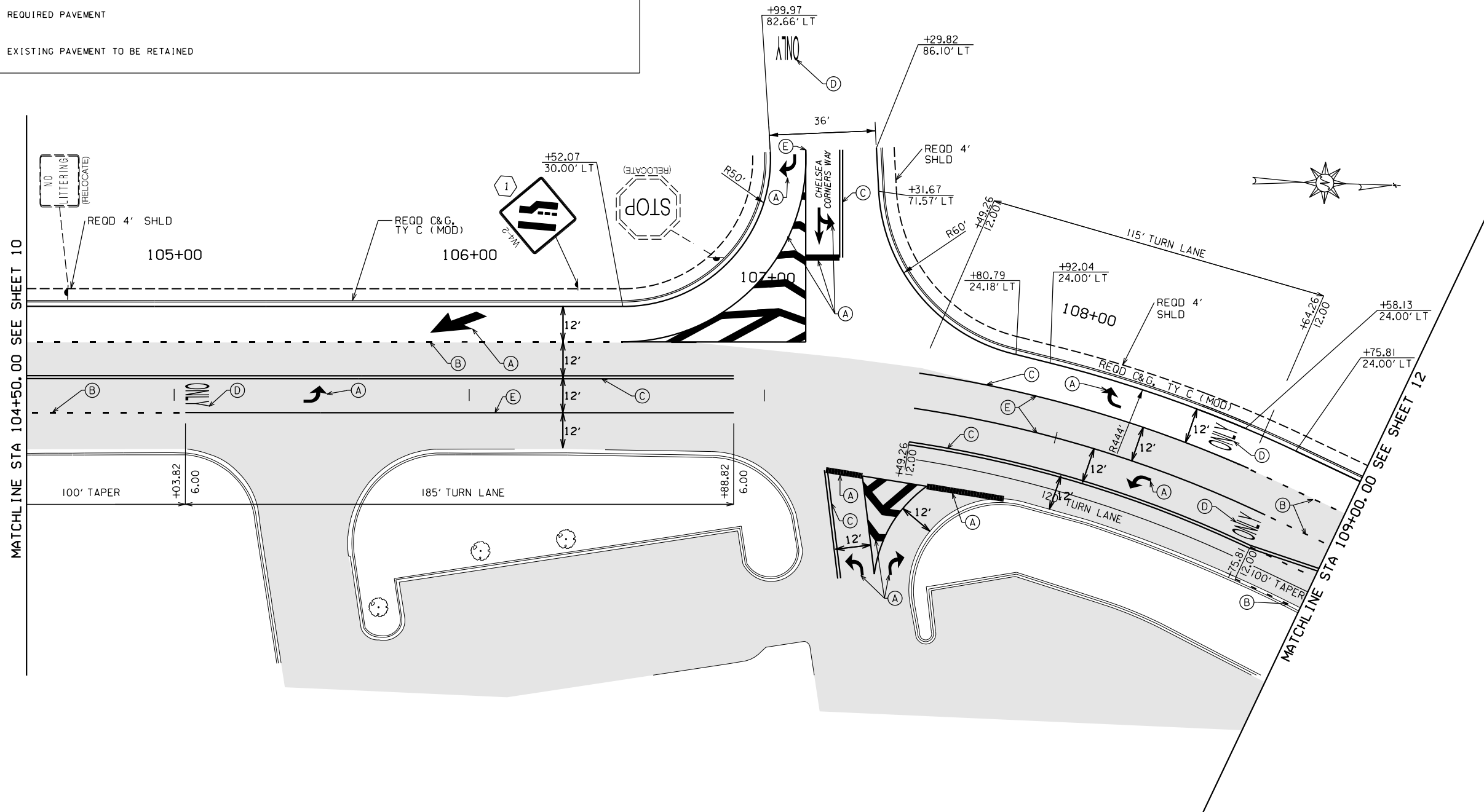
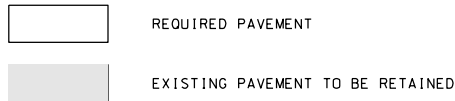
LEGEND	
(A) - WHITE TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	
(B) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (WHITE)	
(C) - DOUBLE SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) RPM CLASS AH, TYPE 2D @ 40' SPACING	
 REQUIRED PAVEMENT	
 EXISTING PAVEMENT TO BE RETAINED	

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ  SCALE (FEET)	SHEET TITLE PAVING, STRIPING AND SIGNING LAYOUT SHEET	ROUTE CR-47
DATE:	DATE:	DATE:						

PAVING, STRIPING AND SIGNING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	11

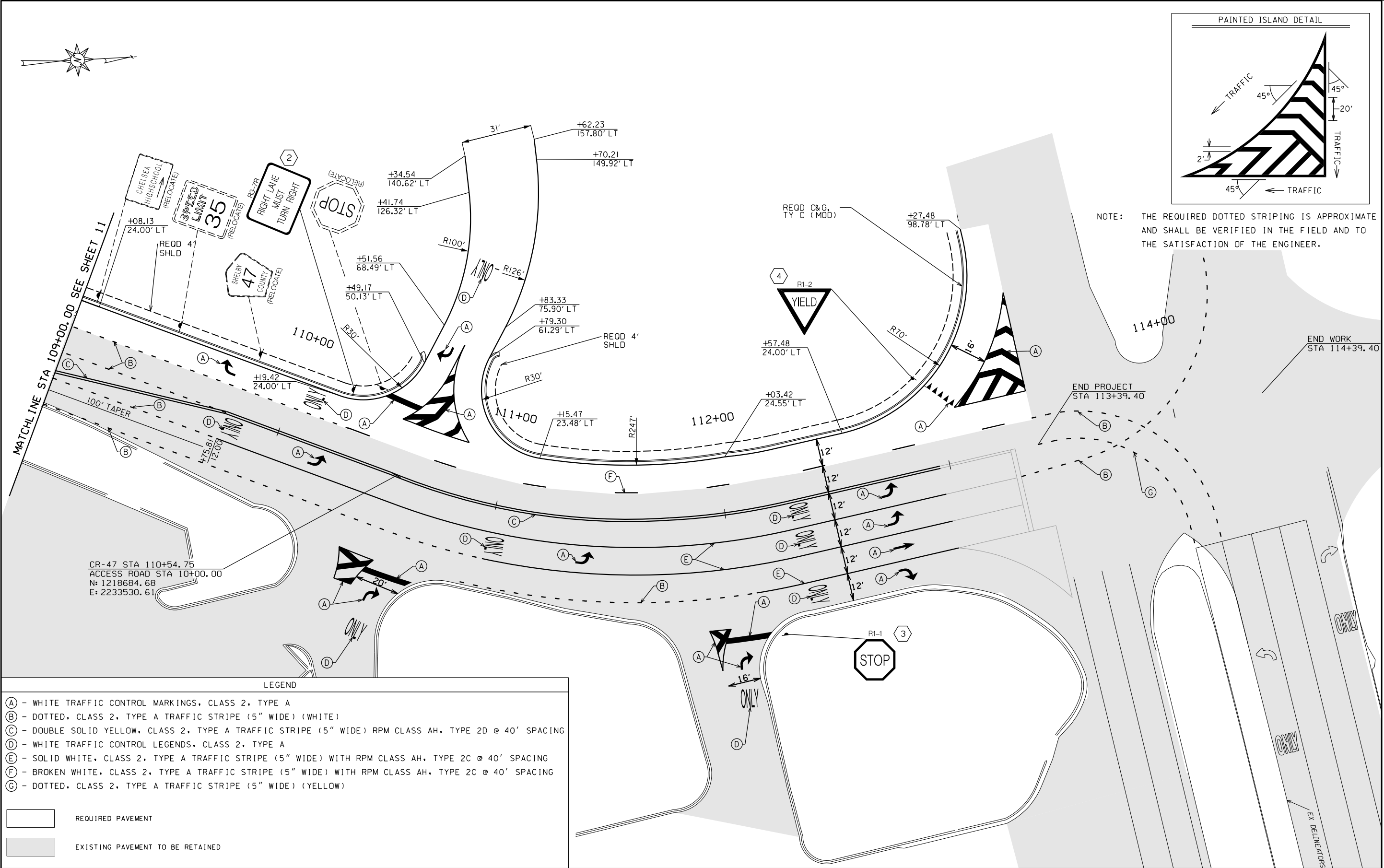
- LEGEND
- (A) - WHITE TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A
 - (B) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (WHITE)
 - (C) - DOUBLE SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) RPM CLASS AH, TYPE 2D @ 40' SPACING
 - (D) - WHITE TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A
 - (E) - SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) WITH RPM CLASS AH, TYPE 2C @ 40' SPACING





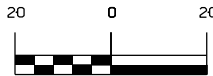
RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 	SHEET TITLE PAVING, STRIPING AND SIGNING LAYOUT SHEET	ROUTE CR-47
DATE:	DATE:	DATE:				SCALE (FEET)		

PAVING, STRIPING AND SIGNING LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	12

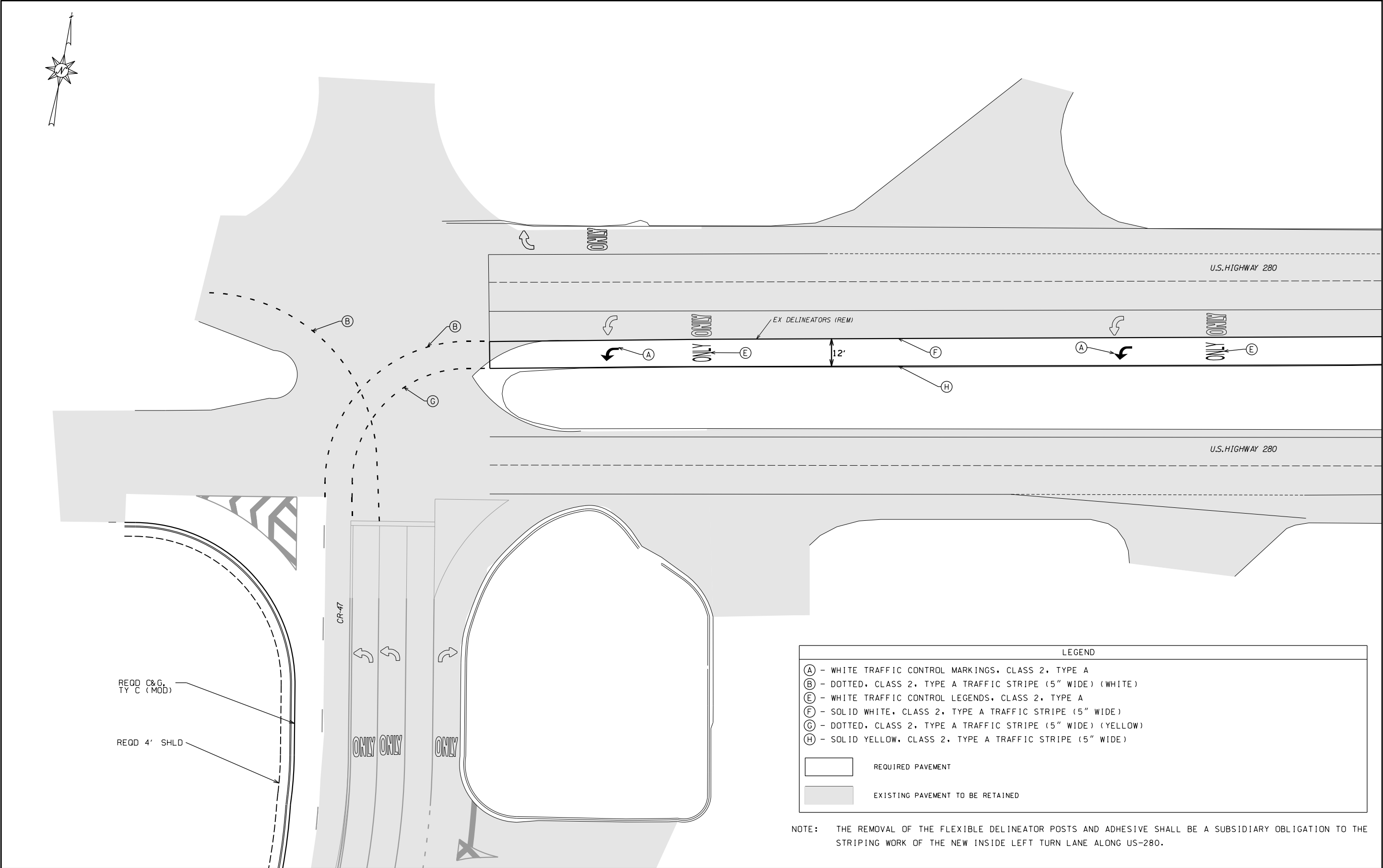


LEGEND	
(A) - WHITE TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A	
(B) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (WHITE)	
(C) - DOUBLE SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) RPM CLASS AH, TYPE 2D @ 40' SPACING	
(D) - WHITE TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A	
(E) - SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) WITH RPM CLASS AH, TYPE 2C @ 40' SPACING	
(F) - BROKEN WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) WITH RPM CLASS AH, TYPE 2C @ 40' SPACING	
(G) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (YELLOW)	
 REQUIRED PAVEMENT	
 EXISTING PAVEMENT TO BE RETAINED	

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO		SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ  SCALE (FEET)	SHEET TITLE PAVING, STRIPING AND SIGNING LAYOUT SHEET	ROUTE CR-47
DATE:	DATE:	DATE:					

US-280 TURN LANE STRIPING LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	13



MATCHLINE SEE SHEET 14

LEGEND

(A) - WHITE TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A

(B) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (WHITE)

(E) - WHITE TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A

(F) - SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)

(G) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (YELLOW)

(H) - SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)

REQUIRED PAVEMENT

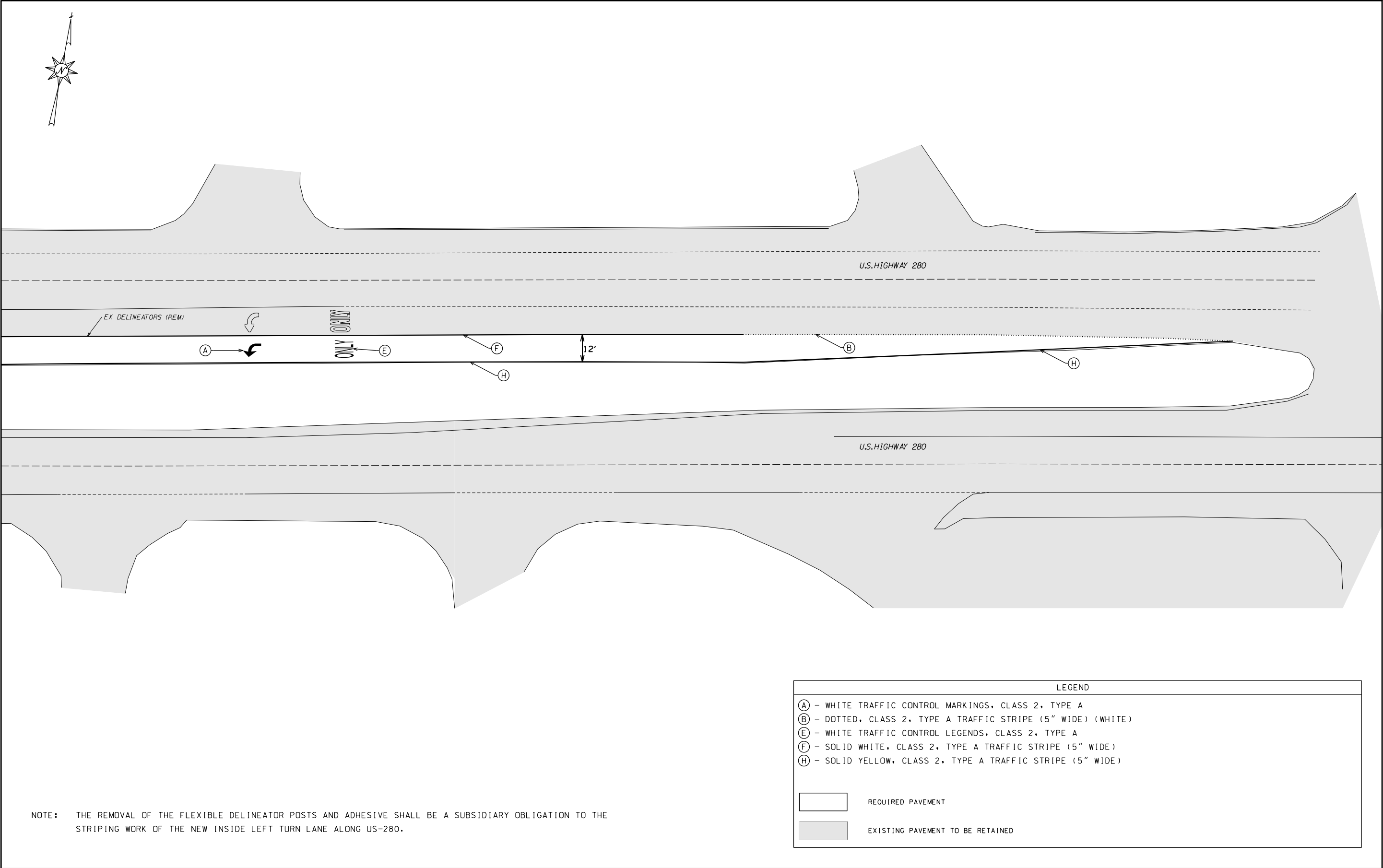
EXISTING PAVEMENT TO BE RETAINED

NOTE: THE REMOVAL OF THE FLEXIBLE DELINEATOR POSTS AND ADHESIVE SHALL BE A SUBSIDIARY OBLIGATION TO THE STRIPING WORK OF THE NEW INSIDE LEFT TURN LANE ALONG US-280.

US-280 TURN LANE STRIPING LAYOUT

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	14

MATCHLINE SEE SHEET 13



NOTE: THE REMOVAL OF THE FLEXIBLE DELINEATOR POSTS AND ADHESIVE SHALL BE A SUBSIDIARY OBLIGATION TO THE STRIPING WORK OF THE NEW INSIDE LEFT TURN LANE ALONG US-280.

LEGEND

(A) - WHITE TRAFFIC CONTROL MARKINGS, CLASS 2, TYPE A

(B) - DOTTED, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE) (WHITE)

(E) - WHITE TRAFFIC CONTROL LEGENDS, CLASS 2, TYPE A

(F) - SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)

(H) - SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)

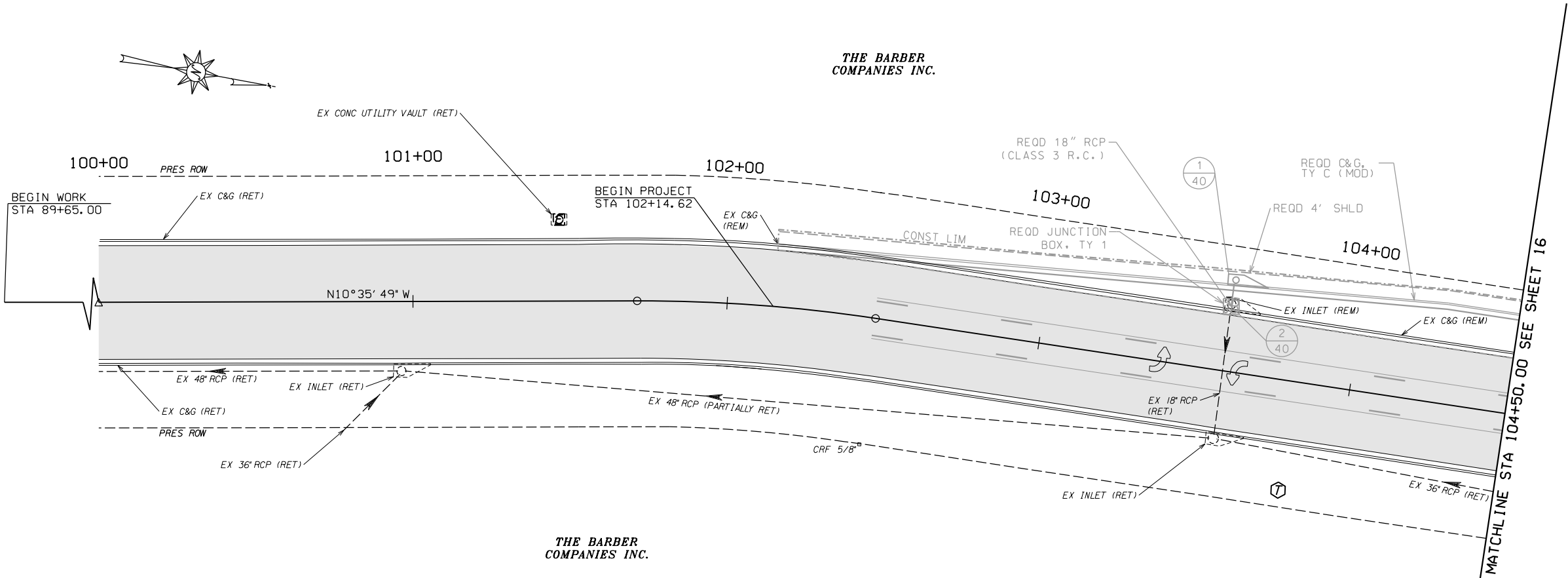
REQUIRED PAVEMENT

EXISTING PAVEMENT TO BE RETAINED


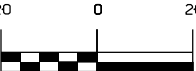
UTILITY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	15

PROJECT NOTES
800
801

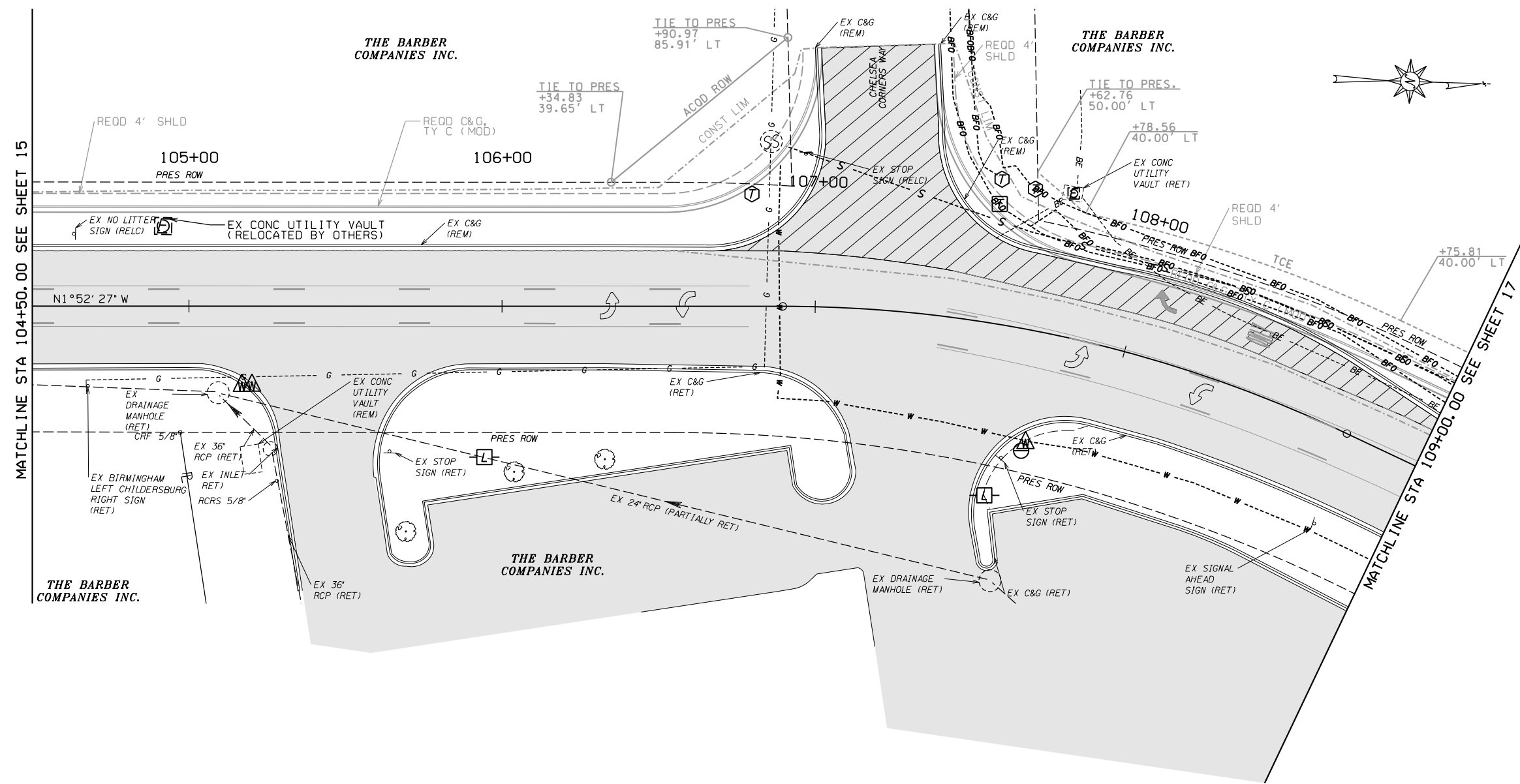


UTILITY OWNERS
SPIRE ETHAN PETERS, AREA CONSTRUCTION MANAGER TELEPHONE: 205-484-5325
AT&T RYAN RICHARDSON, MANAGER OPERATIONS TELEPHONE: 205-516-4761
CHARTER/SPECTRUM JOSHUA WATKINS, AREA CONSTRUCTION COORDINATOR TELEPHONE: 205-573-6983
SHELBY COUNTY WATER SHANE LOVETT, CHIEF ENGINEER TELEPHONE: 205-670-6554

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					UTILITY SHEET	CR-47

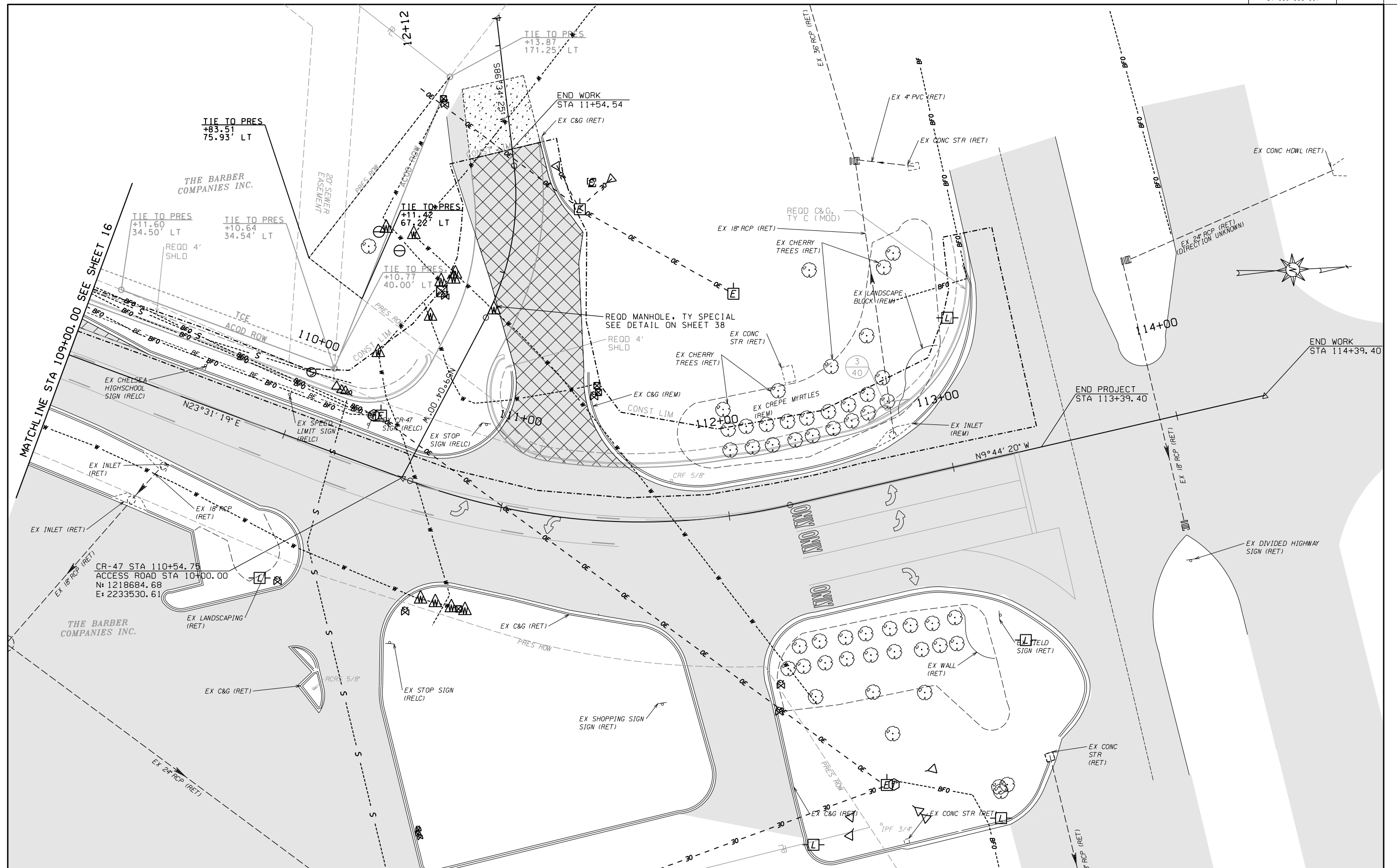
UTILITY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	16



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 	SHEET TITLE UTILITY SHEET	ROUTE CR-47
DATE:	DATE:	DATE:				SCALE (FEET)		

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	17



A horizontal number line with tick marks at -20, 0, and 20. The segment between -20 and 0 is filled with a black and white checkered pattern. The segment between 0 and 20 is solid black.

CR-47

TEMPORARY TRAFFIC CONTROL PLAN

REFERENCE PROJECT NO
SCP 59-939-23 / ST-059-888-007

FISCAL YEAR
2024

SHEET NO
20

TCP NOTES
SEE SHEET 2C

SEQUENCE OF CONSTRUCTION

PHASE I

INSTALL ALL APPLICABLE TRAFFIC CONTROL DEVICES.

PHASE II

CONSTRUCT THE WIDENING OF COUNTY ROAD 47 THROUGH THE UPPER BINDER LAYER.

PERFORM PLANING ON COUNTY ROAD 47 AND CHELSEA CORNERS WAY AS SHOWN IN THE PLANS.

PLACE THE TEMPORARY STRIPE AND MARKINGS IN PERMANENT LOCATION.

PHASE III

PLACE THE WEARING SURFACE THROUGHOUT THE PROJECT.

COMPLETE TRAFFIC SIGNAL WORK ON U.S. 280.

PLACE TEMPORARY STRIPE AND MARKINGS IN PERMANENT LOCATION.

PLACE PERMANENT STRIPING, MARKINGS, LEGENDS AND MARKERS.

PHASE IV

COMPLETE ALL REMAINING ITEMS OF WORK.

REMOVE ALL CONSTRUCTION TRAFFIC CONTROL DEVICES.

NOTE: ANY WORK CAN BE PERFORMED CONCURRENTLY WITH THE APPROVAL OF THE ENGINEER AS LONG AS IT DOES NOT CONFLICT WITH ANOTHER SEQUENCE ITEM.

REQUIRED QUANTITIES FOR TRAFFIC CONTROL DEVICES

ITEM NO.	DESCRIPTION	TOTAL QUANTITY	DRAWING
740B-000	CONSTRUCTION SIGNS	600 SQ FT	B, C, D, E, F, G, H, I, J
740D-000	CHANNELIZING DRUMS	100 EACH	A
740E-000	CONES (36 INCHES HIGH)	100 EACH	A
740F-002	BARRICADES, TYPE III	6 EACH	K
740M-001	BALLAST FOR CONE	100 EACH	A

STANDARD DRAWING

A	TCD-100
B	IHS-710-12
C	IHS-710-21
D	IHS-710-23
E	SHS-1
F	SHS-10
G	SHS-26
H	SHS-29
I	SHS-30
J	SHS-31
K	B-107-2

REQUIRED QUANTITIES FOR CONSTRUCTION SIGNS (740-B)

SIGN NO.	SIZE	DESCRIPTION	DWG. NO.	MOUNT	QUANT	SQ.FT. EA.	TOTAL	DRAWINGS	
R2-1	36"x48"	SPEED LIMIT 40	SHS-1	POST	2	12.00	24.0	IHS-710-12 IHS-710-21 IHS-710-23 TCD-100	
R2-1	36"x48"	SPEED LIMIT 50	SHS-1	POST	2	12.00	24.0		
R16-3	48"x60"	BEGIN HIGHER FINES	SHS-10	POST	2	20.00	40.0		
R16-3a	48"x60"	END HIGHER FINES	SHS-10	POST	2	20.00	40.0		
W1-4	48"x48"	LANE SHIFT	SHS-26	POST	2	16.00	32.0		
W3-5b	48"x48"	REDUCED SPEED LIMIT	SHS-26	POST	2	16.00	32.0		
W20-1	48"x48"	ONE LANE ROAD AHEAD	SHS-29	POST	2	16.00	32.0		
W20-1	48"x48"	ROAD WORK 1500 FT	SHS-29	POST	1	16.00	16.0		
W20-1	48"x48"	ROAD WORK 1000 FT	SHS-29	POST	1	16.00	16.0		
W20-1	48"x48"	ROAD WORK 500 FT	SHS-29	POST	1	16.00	16.0		
W20-1	48"x48"	ROAD WORK AHEAD	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	CENTER LANE CLOSED 500 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	CENTER LANE CLOSED 1000 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	CENTER LANE CLOSED 1500 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	RIGHT LANE CLOSED 1500 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	RIGHT LANE CLOSED 1000 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	LEFT LANE CLOSED 1500 FT	SHS-29	POST	2	16.00	32.0		
W20-5	48"x48"	LEFT LANE CLOSED 1000 FT	SHS-29	POST	2	16.00	32.0		
W20-7	48"x48"	FLAGGER	SHS-29	POST	2	16.00	32.0		
G20-1	48"x24"	ROAD WORK NEXT 1/2 MILE	SHS-30	POST	2	8.00	16.0		
G20-2	48"x24"	END ROAD WORK	SHS-31	POST	3	8.00	24.0		
PROJECT TOTAL							600		

RESPONSIBLE PE: CHARLES WRIGHT, PE

SUPERVISOR: CHARLES WRIGHT, PE

DESIGNER: JEFFREY THEO

SHELBY COUNTY
HIGHWAY DEPARTMENT

NOT TO SCALE

SHEET TITLE

TEMPORARY TRAFFIC CONTROL PLAN

ROUTE

CR-47

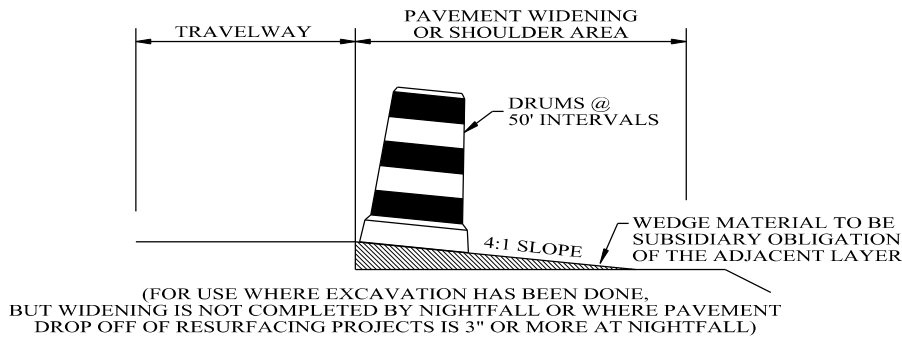
DATE:

DATE:

DATE:

TEMPORARY TRAFFIC CONTROL PLAN SHEET

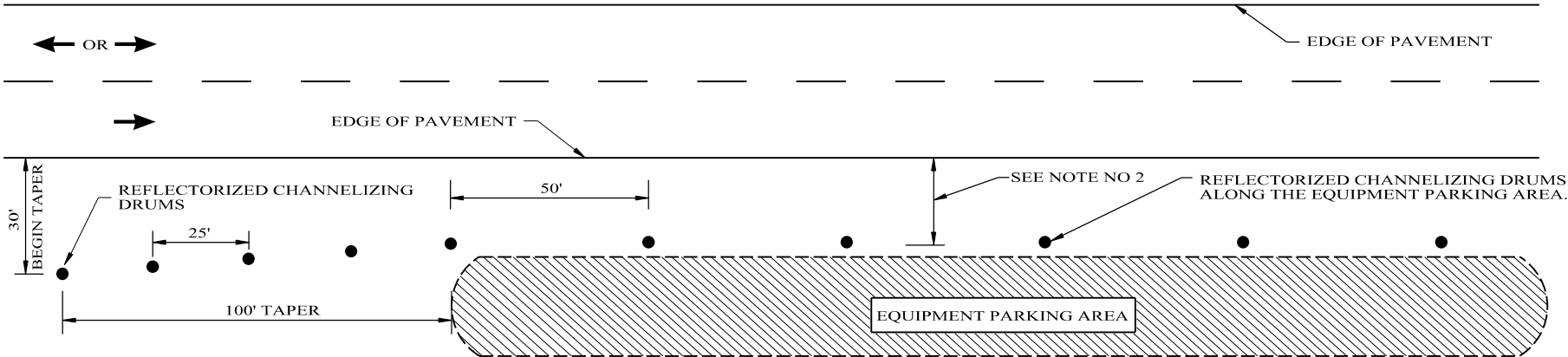
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	21



TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

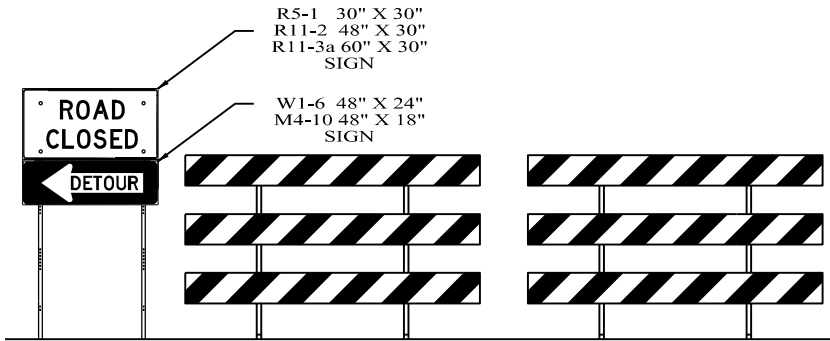
NOTE:
THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE . THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ADJACENT LAYER.

CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.

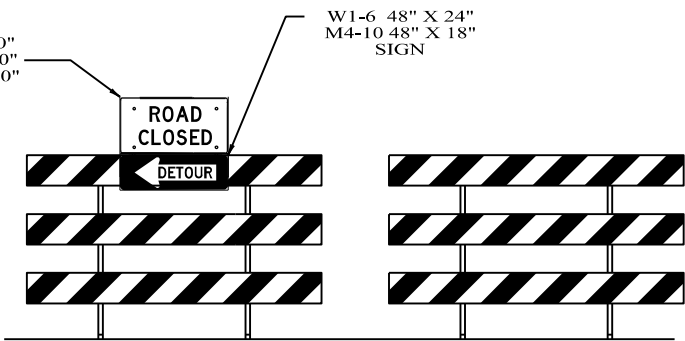


- NOTES:
- SEE ALDOT'S GENERAL TRAFFIC CONTROL PLAN NOTE NO. 702.
 - DRUMS TO BE AS FAR AS PRACTICAL FROM EDGE OF PAVEMENT, MINIMUM DESIRABLE DISTANCE IS 15 FEET FOR FREEWAY TYPE FACILITIES AND 10 FEET FOR OTHER FACILITIES. FOR UNUSUAL CONDITIONS, SUCH AS SPECIAL EQUIPMENT OR LIMITED AVAILABLE SPACE, DIMENSIONS LESS THAN DESIRABLE SHALL BE AS DIRECTED BY THE ENGINEER.
 - 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

- SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.
- 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.
- 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.



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

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REVISIONS:

1. Corrected text overlap on 12-8-2021 by D.J.W.

Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 12-8-2021

DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS FOR
TRAFFIC CONTROL PLANS

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO

SPECIAL PROJECT DETAIL

INDEX NO

2001

SHEET TITLE

TEMPORARY TRAFFIC
CONTROL PLAN SHEET

ROUTE

CR-47

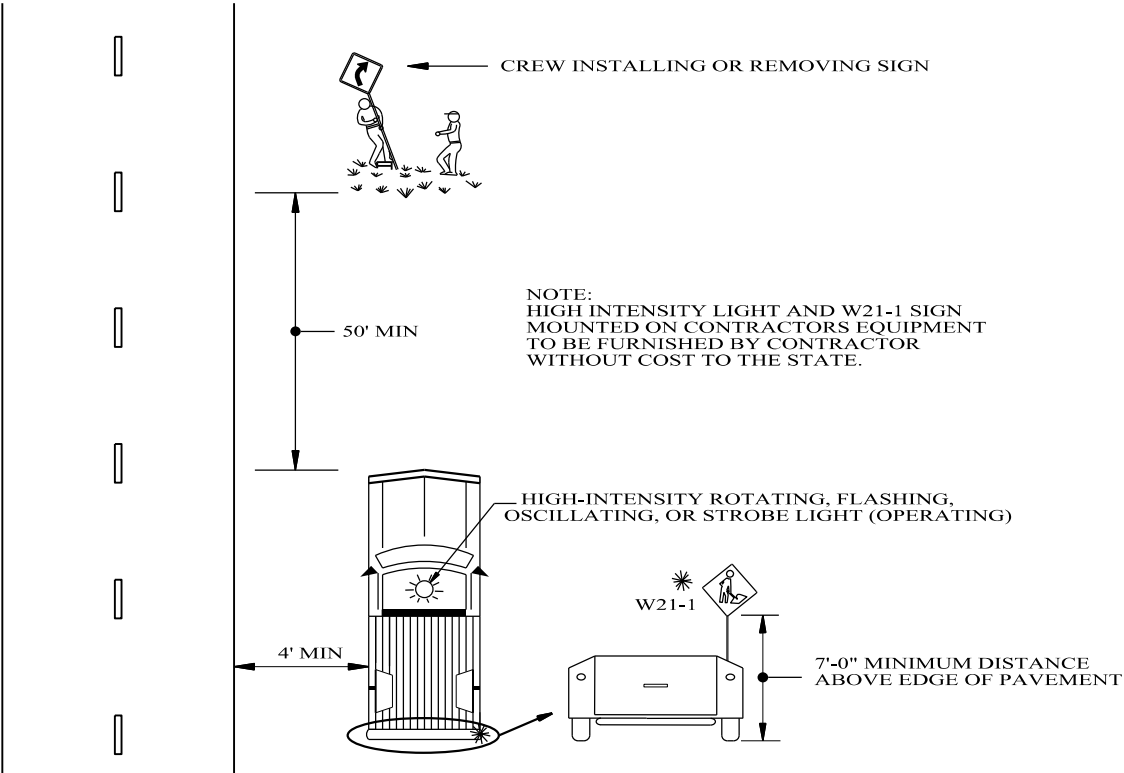


2400 5th Avenue S
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

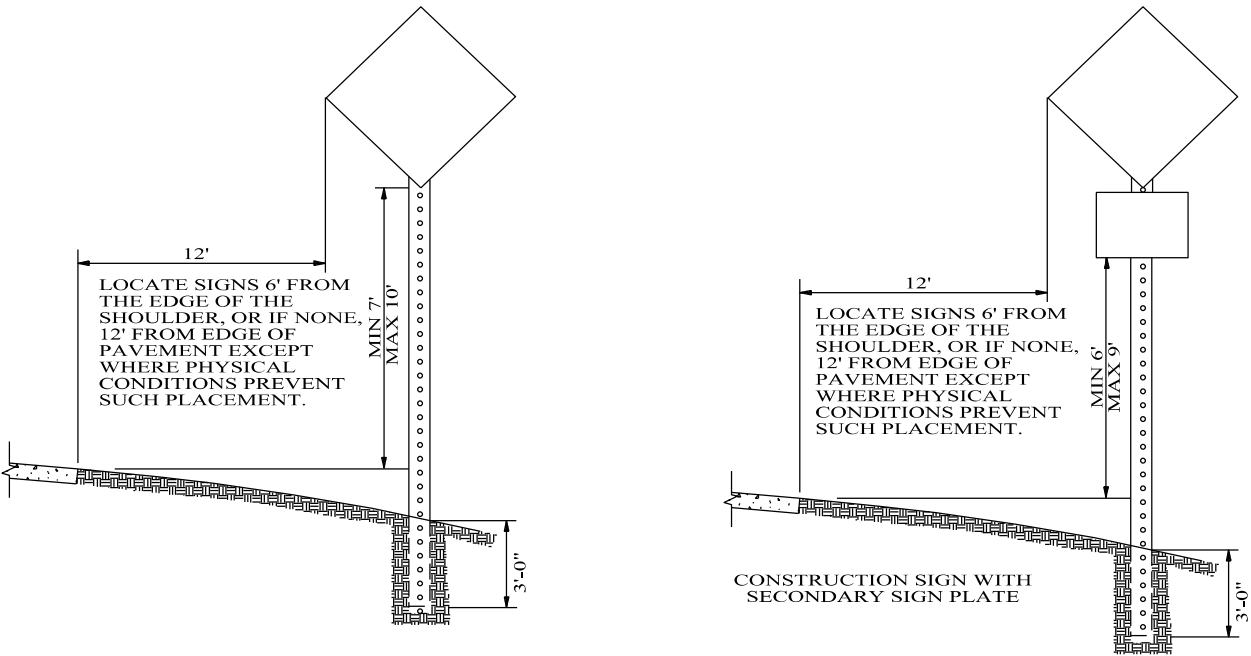
NOT TO SCALE

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	22

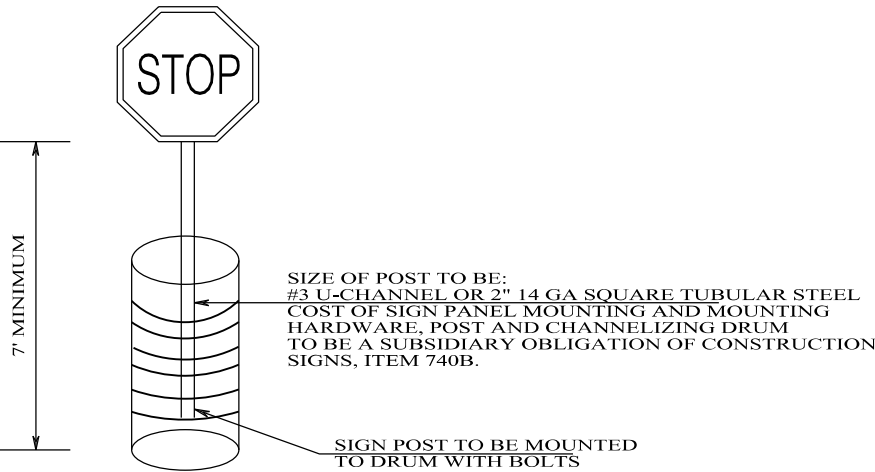


TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



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



ALABAMA DEPARTMENT
OF TRANSPORTATION
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MONTGOMERY, AL 36130-3050

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REVISIONS:

1.

Bureau Std Engr: D.J.W.
DRAWN BY:
DATE DRAWN: 6-12-2019
REVISED DATE:

DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS
FOR TRAFFIC CONTROL PLANS

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO INDEX NO

SPECIAL PROJECT DETAIL 2001A

SHEET TITLE ROUTE

TEMPORARY TRAFFIC CONTROL PLAN SHEET CR-47

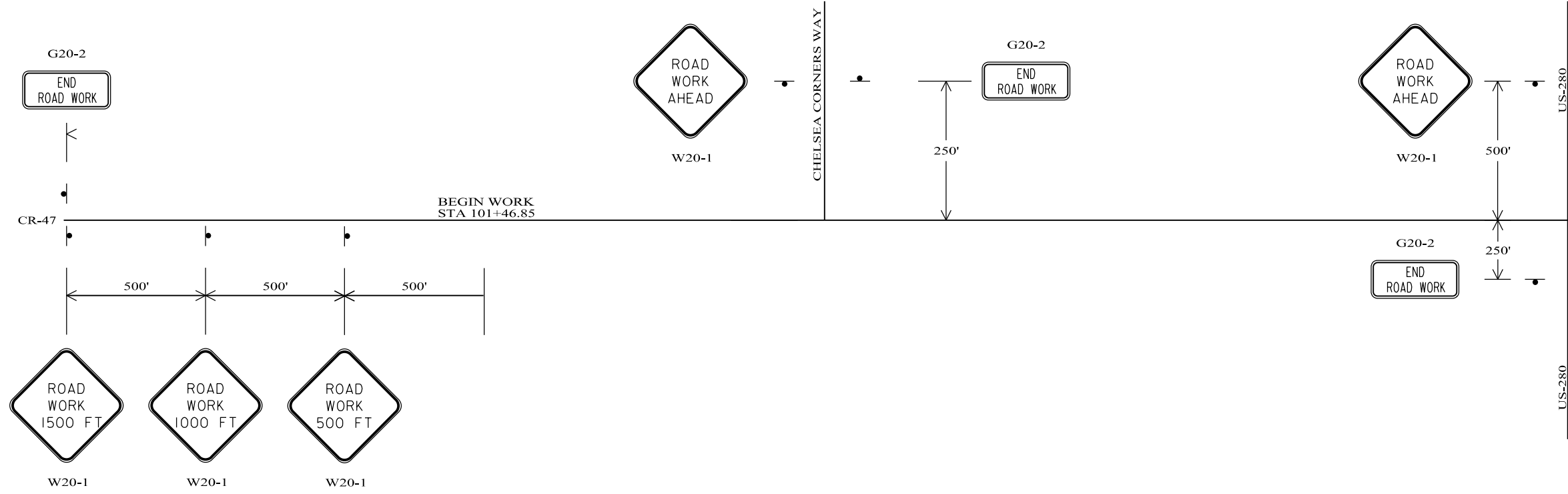


2400 5th Avenue S
Birmingham, AL 35233
T 205.879.4462
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NOT TO SCALE

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	23



REQUIRED SIGN SIZES	
G20-2	48" X 24"
W20-1	48" X 48"
W20-4	48" X 48"
W20-7	48" X 48"

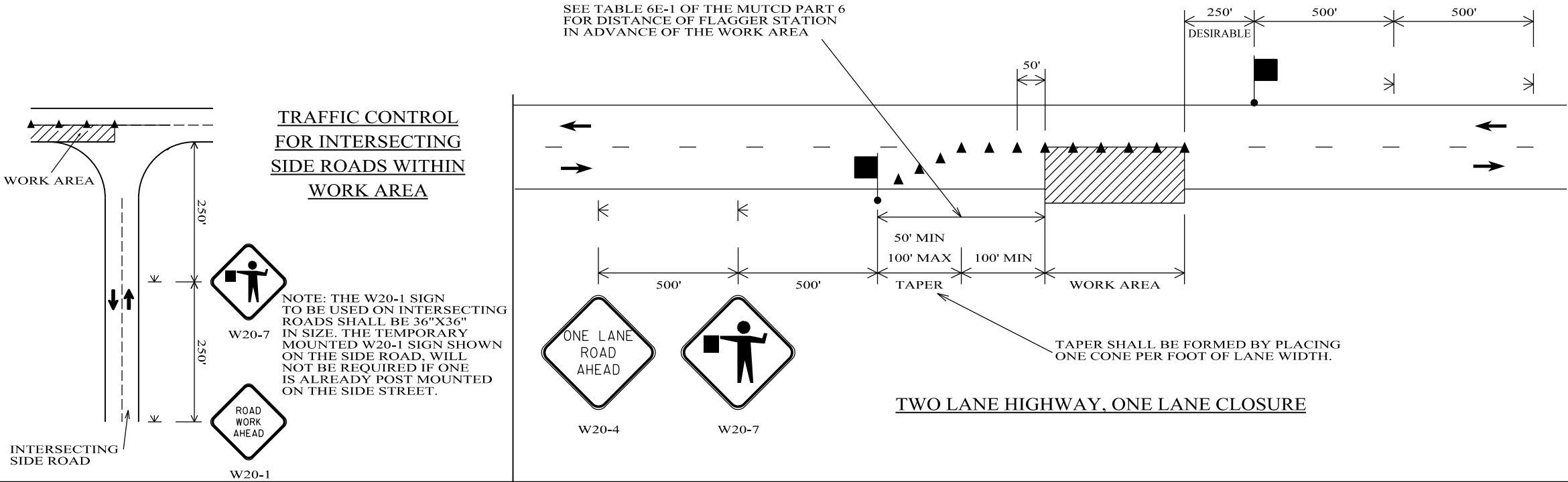
GENERAL NOTES

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.

THE SIGN SIZES SHOWN ON THIS SHEET SHALL SUPERCEDE THOSE SHOWN ON THE STANDARD HIGHWAY SIGNS DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

LEGEND

- TEMPORARY MOUNTED SIGN
- POST MOUNTED SIGN
- CONES
- FLAGGER
- WORK AREA



TWO LANE HIGHWAY, ONE LANE CLOSURE

NOT TO SCALE



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

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REVISIONS:

1.

Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 3-24-2021

DESIGN BUREAU SPECIAL DRAWING

DETAILS FOR TRAFFIC CONTROL
FOR TWO LANE HIGHWAYS

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO

INDEX NO

SPECIAL PROJECT DETAIL

2002

SHEET TITLE

ROUTE

TEMPORARY TRAFFIC
CONTROL PLAN SHEET

CR-47



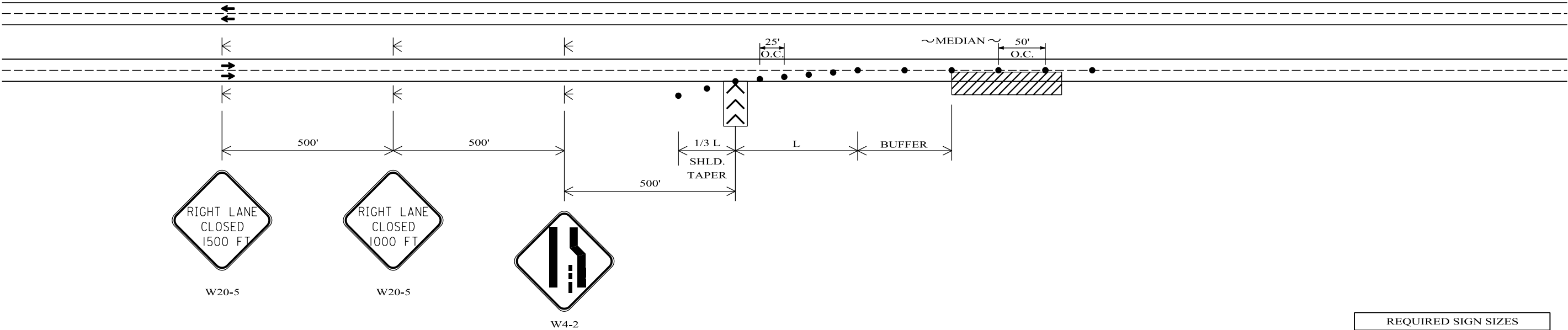
2400 5th Avenue S
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	24

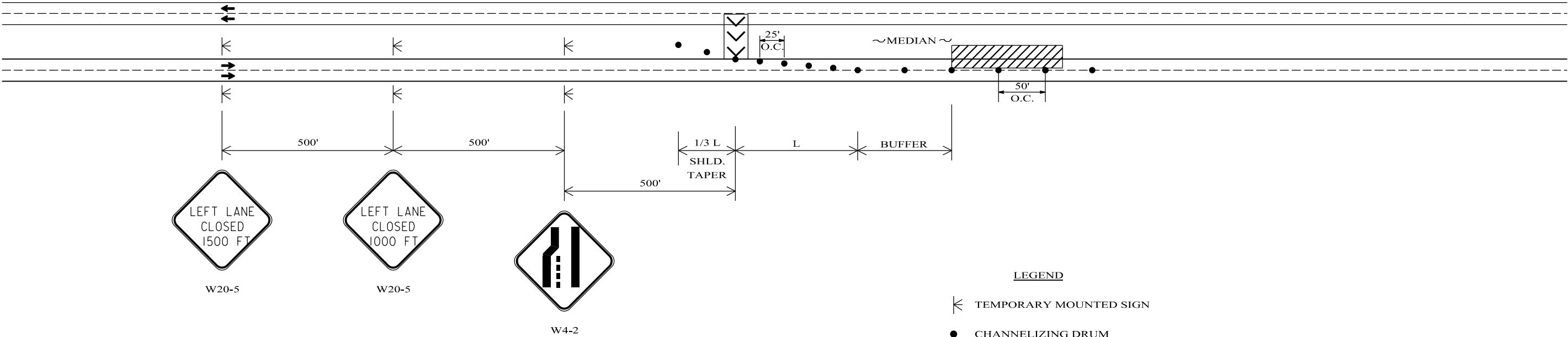
TYPICAL SCHEME FOR RIGHT LANE CLOSURE



REQUIRED SIGN SIZES	
W4-2	48" X 48"
W20-5	48" X 48"

THE SIGN SIZES SHOWN ON THIS SHEET SHALL SUPERCEDE THOSE SHOWN ON THE STANDARD HIGHWAY SIGNS DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TYPICAL SCHEME FOR LEFT LANE CLOSURE



GENERAL NOTES

- ALL SIGNS SHALL BE TEMPORARY MOUNTED AS SHOWN, UNLESS THE WORK PERIOD EXCEEDS FOUR (4) DAYS. IN SUCH CASES, THE SIGNS SHALL BE POST MOUNTED.

LEGEND

- TEMPORARY MOUNTED SIGN
- CHANNELIZING DRUM
- WORK AREA
- PORTABLE SEQUENTIAL ARROW AND CHEVRON SIGN UNIT

NOT TO SCALE



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

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REVISIONS:

1.

Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 6-12-2019

DESIGN BUREAU SPECIAL DRAWING
DETAILS FOR MULTILANE DIVIDED
HIGHWAY LANE CLOSURES

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2008
SHEET TITLE	ROUTE
TEMPORARY TRAFFIC CONTROL PLAN SHEET	CR-47

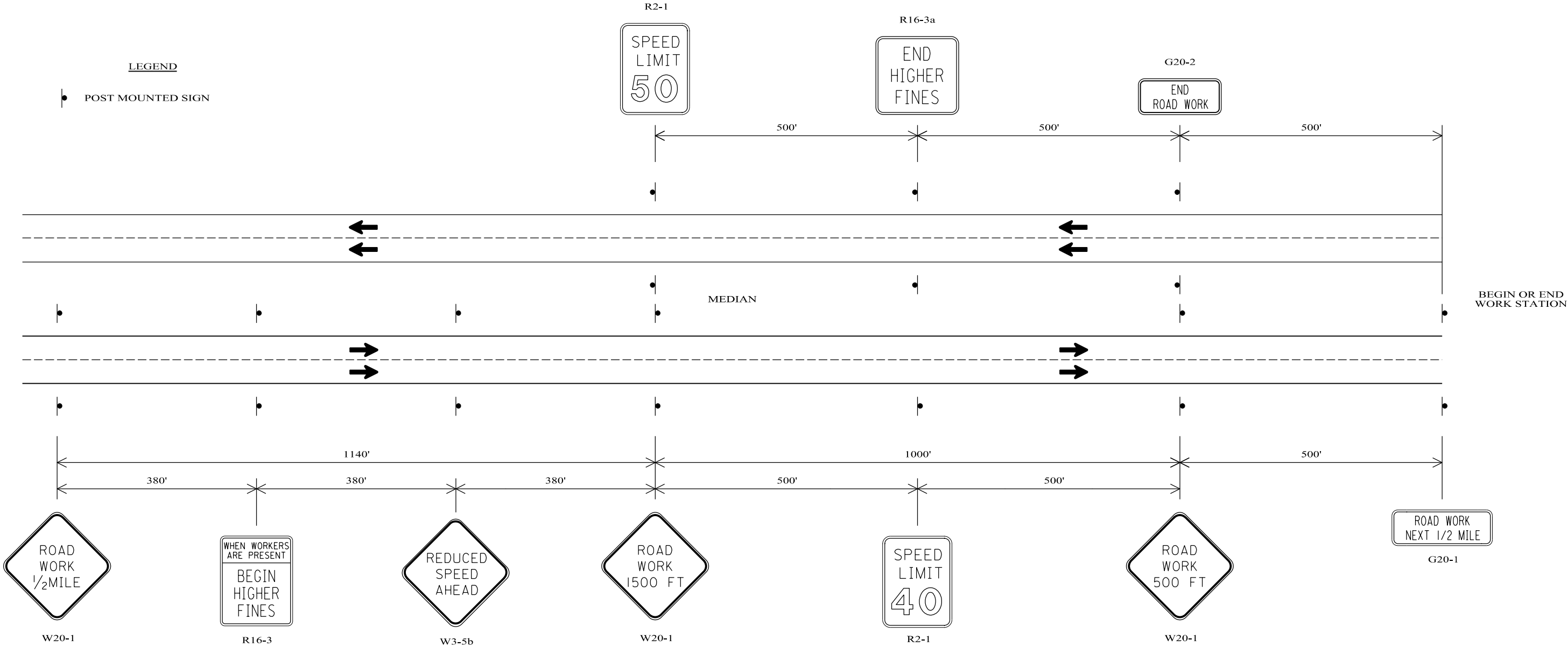


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TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	25



REQUIRED SIGN SIZES	
G20-1	48" X 24"
G20-2	48" X 24"
R2-1	30" X 36"
W3-5b	48" X 48"
R16-3	48" X 60"
R16-3a	48" X 48"
W20-1	48" X 48"

THE SIGN SIZES SHOWN ON THIS SHEET SHALL SUPERCEDE THOSE SHOWN ON THE STANDARD HIGHWAY SIGNS DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

GENERAL NOTES

1. ALL SIGNS SHALL BE POST MOUNTED AS SHOWN.

NOT TO SCALE



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

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REVISIONS:

1.

Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 3-24-2021

DESIGN BUREAU SPECIAL DRAWING

TYPICAL PLACEMENT OF ADVANCE
WARNING SIGNS FOR MULTILANE
DIVIDED HIGHWAYS

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO

SPECIAL PROJECT DETAIL

INDEX NO

2007

SHEET TITLE

TEMPORARY TRAFFIC
CONTROL PLAN SHEET

ROUTE

CR-47



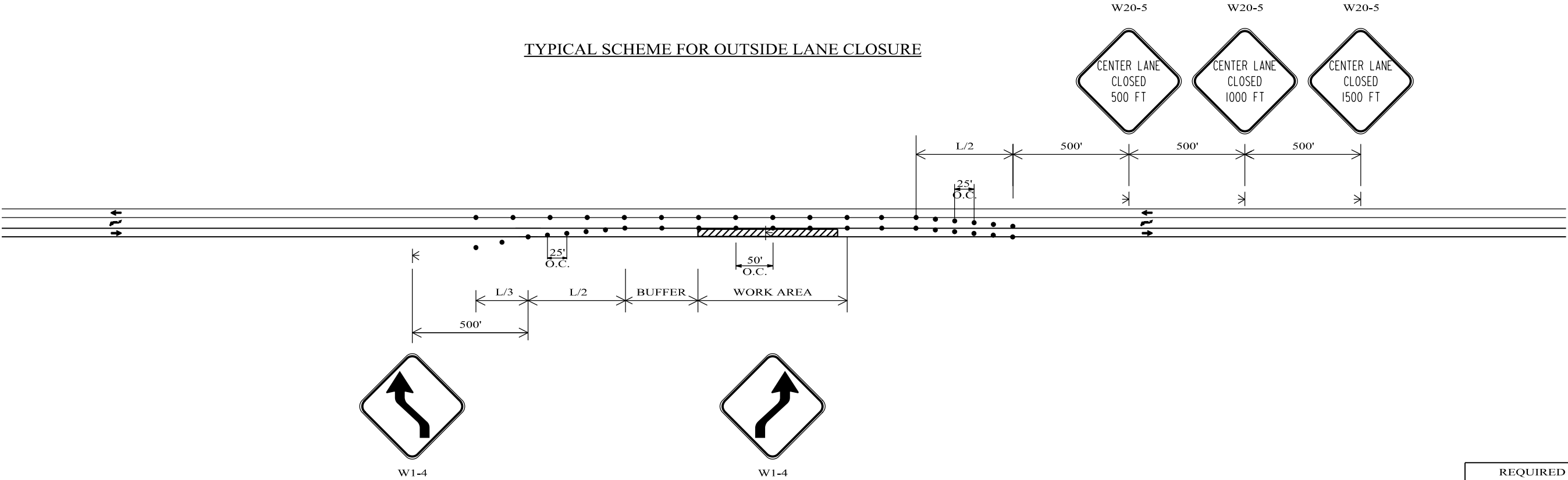
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TEMPORARY TRAFFIC CONTROL PLAN SHEET


REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	26

TYPICAL SCHEME FOR OUTSIDE LANE CLOSURE



REQUIRED SIGN SIZES	
W1-4	48" X 48"
W20-5	48" X 48"

THE SIGN SIZES SHOWN ON THIS SHEET SHALL SUPERCEDE THOSE SHOWN ON THE STANDARD HIGHWAY SIGNS DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.



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

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REVISIONS:
1.


Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 6-12-2019

DESIGN BUREAU SPECIAL DRAWING

DETAILS FOR TRAFFIC CONTROL FOR 3-LANE HIGHWAY LANE CLOSURES

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2021



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SHEET TITLE	ROUTE
TEMPORARY TRAFFIC CONTROL PLAN SHEET	CR-47

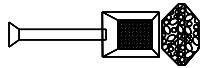
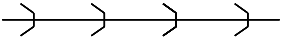
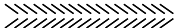
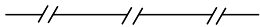



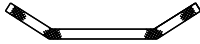
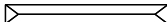

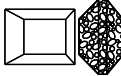

EROSION & SEDIMENT CONTROL LEGEND SHEET




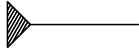





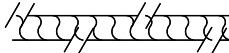




REFERENCE
PROJECT NO
SCP 59-939-23 /
ST-059-888-007

FISCAL
YEAR
2024

SHEET
NO
30

BEST MANAGEMENT PRACTICES (BMP's)

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

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

EROSION AND SEDIMENT CONTROL PHASES

INITIAL PHASE - AS CLEARING BEGINS AND PRIOR TO ANY GRUBBING OR GRADING WORK.


INTERMEDIATE PHASE - AS NEEDED. AS WORK IS ONGOING AND ADVANCING TOWARD COMPLETION.


FINAL CONSTRUCTION - AS WORK IS COMPLETED AND PERMANENT VEGETATION IS ESTABLISHED.

--SPECIFICATIONS--

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

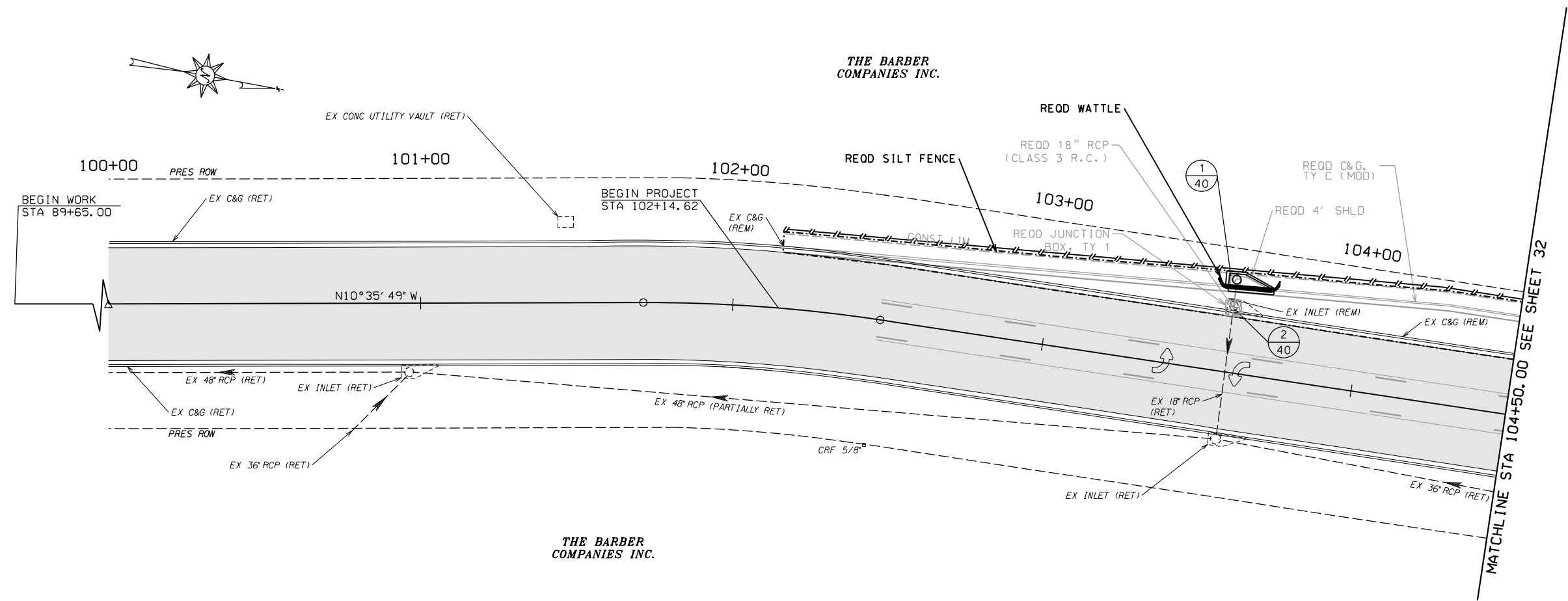
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REVISIONS		ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050
	DESIGN BUREAU SPECIAL DRAWING	
	EROSION & SEDIMENT CONTROL LEGEND	
Bureau Std Engr: <u>L.V.S.</u> DRAWN BY: <u>W.D.H.</u> DATE DRAWN: <u>10-14-16</u>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

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT		SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					EROSION & SEDIMENT CONTROL LEGEND	CR-47

EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL

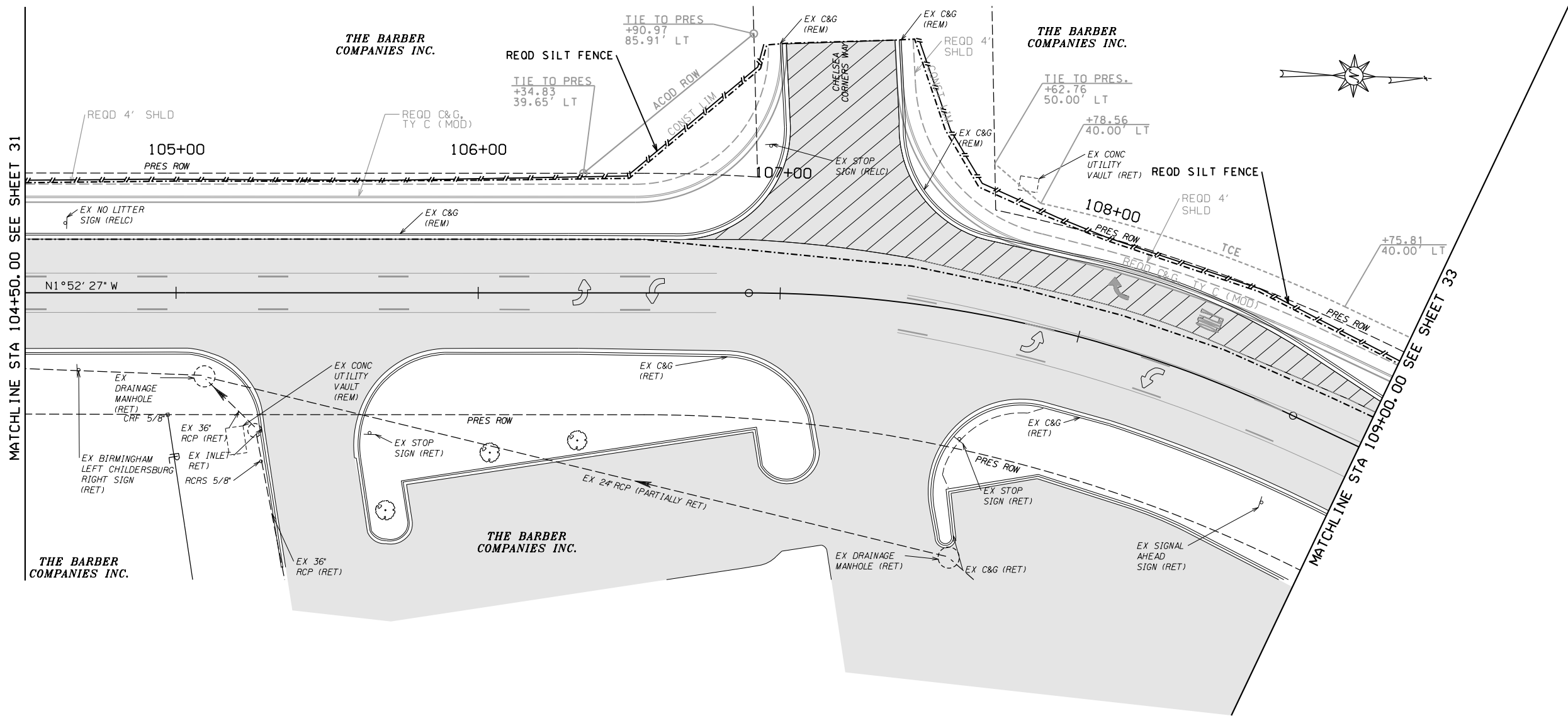
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	31


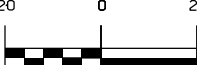


RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 	SHEET TITLE EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL	ROUTE CR-47
DATE:	DATE:	DATE:				SCALE (FEET)		

EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL

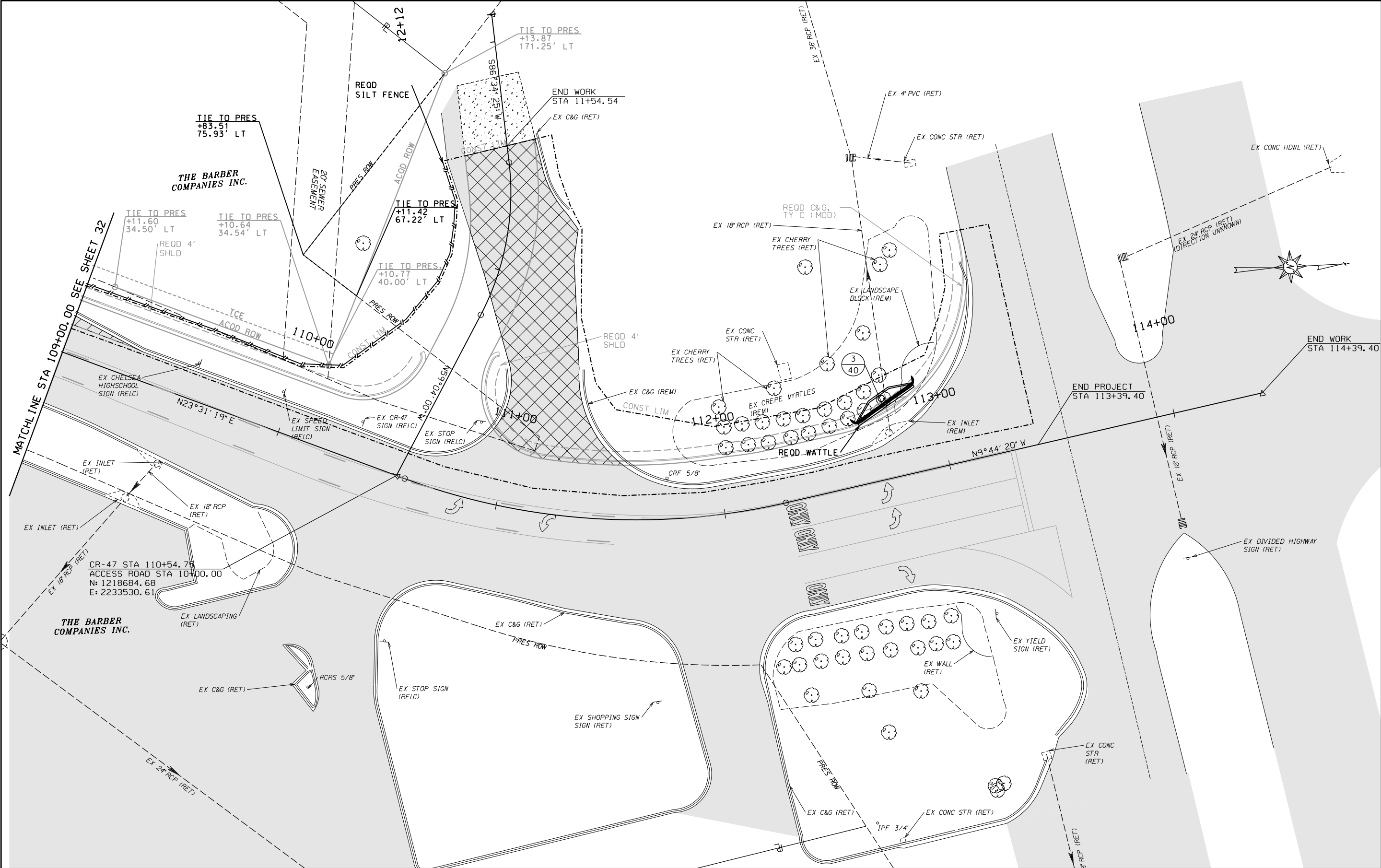
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SCP 59-939-23 / ST-059-888-007	2024	32





RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ 	SHEET TITLE EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL	ROUTE CR-47
DATE:	DATE:	DATE:				SCALE (FEET)		

EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL

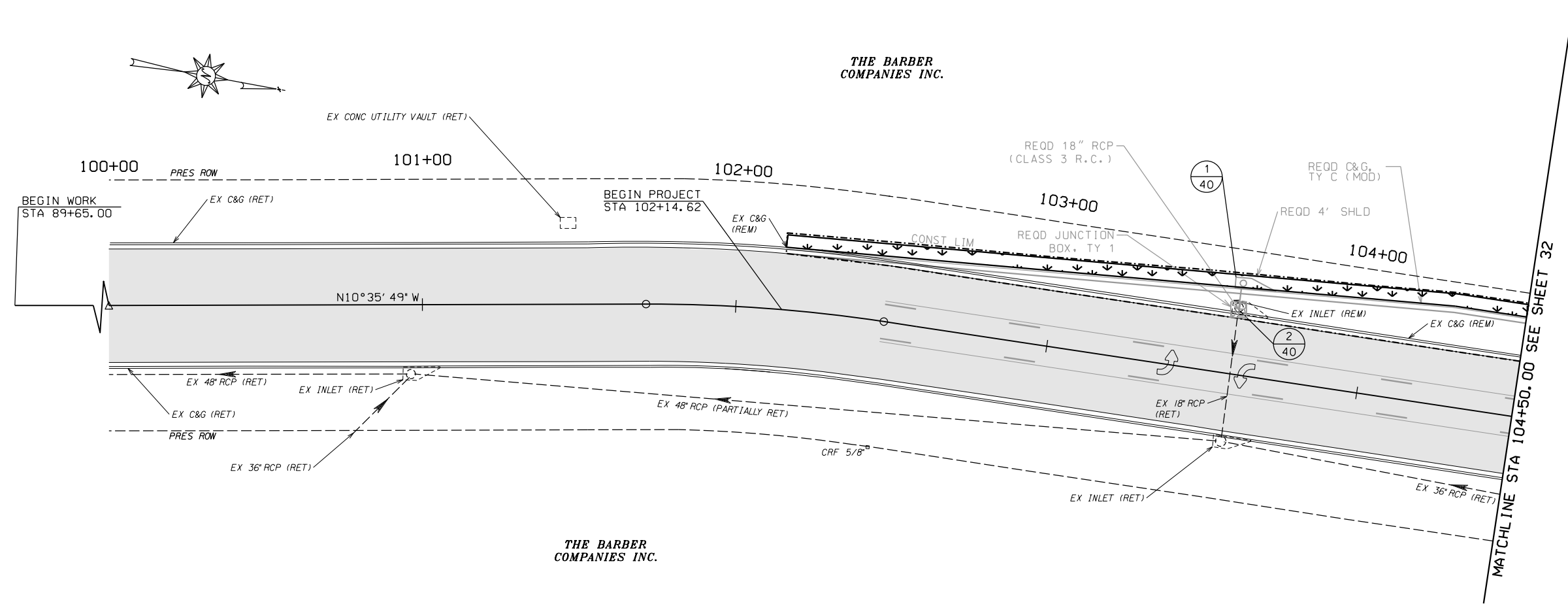
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SCP 59-939-23 / ST-059-888-007	2024	33


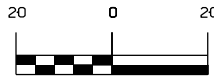


RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO		SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ  SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				EROSION & SEDIMENT CONTROL PLAN SHEET - INITIAL	CR-47

EROSION & SEDIMENT CONTROL PLAN SHEET - FINAL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	34



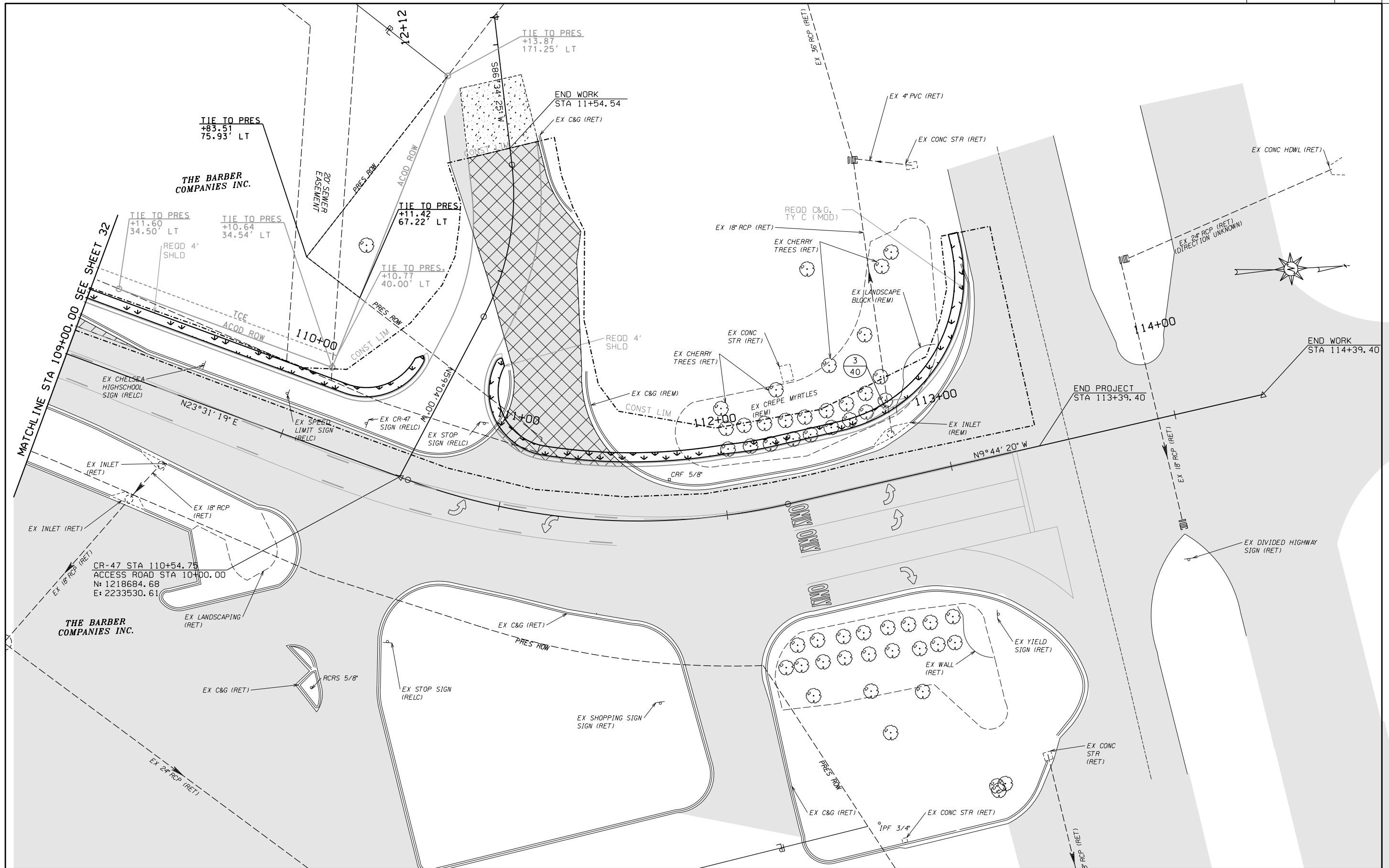
RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ  SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					EROSION & SEDIMENT CONTROL PLAN SHEET - FINAL	CR-47

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	35



EROSION & SEDIMENT CONTROL PLAN SHEET - FINAL

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	36



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO		SHELBY COUNTY HIGHWAY DEPARTMENT	HORIZ  SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				EROSION & SEDIMENT CONTROL PLAN SHEET - FINAL	CR-47

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	38

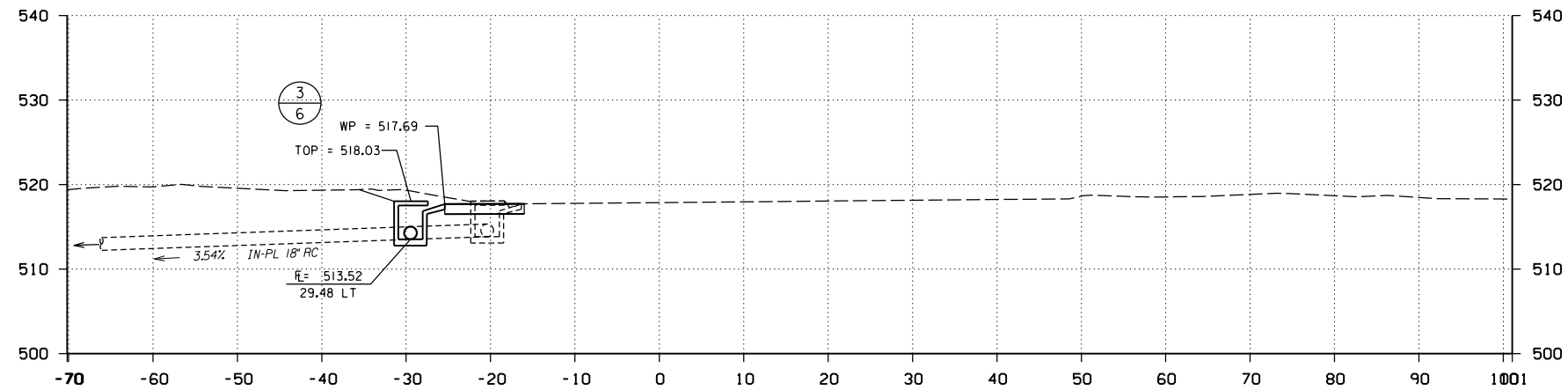
NOTE: ALL WORK AND MATERIALS AFFILIATED WITH THE CONSTRUCTION OF THE MANHOLE SHALL BE PAID FOR UNDER ITEM 621E-000, MANHOLE, TYPE SPECIAL.

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO	 SHELBY COUNTY HIGHWAY DEPARTMENT	NOT TO SCALE	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:			SPECIAL PROJECT DETAIL- MANHOLE, TYPE SPECIAL	CR-47

DRAINAGE SECTIONS

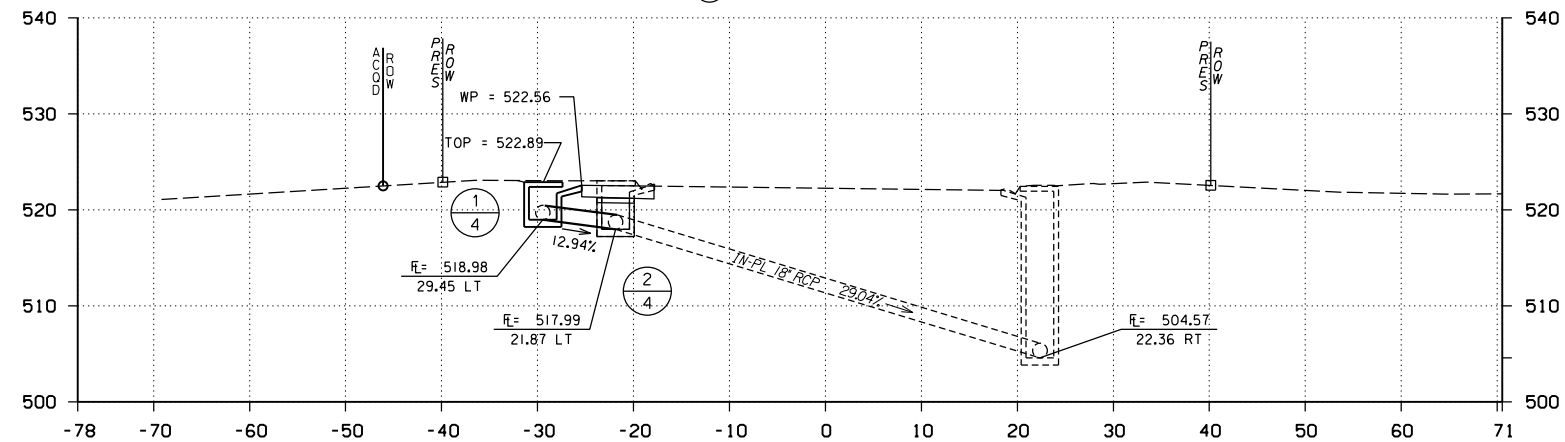
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	40

- IN-PLACE**
1 EACH - DOUBLE WING CURB INLET (REMOVE)
120 LIN FT - 18" R.C. ROADWAY PIPE (REMOVE 15')
- REQUIRED**
③ 1 EACH - INLET, TYPE S1 OR S3 (2 WING)



STA 112+77.99
COUNTY ROAD 47

- IN-PLACE**
1 EACH - SINGLE WING CURB INLET (RETAIN)
② 1 EACH - SINGLE WING CURB INLET (REMOVE)
47 LIN FT - 18" R.C. ROADWAY PIPE (RETAIN)
- REQUIRED**
① to ② 8 LIN FT - 18" ROADWAY PIPE (CLASS 3 R.C.)
① 1 EACH - INLET, TYPE S1 OR S3 (1 WING)
② 1 EACH - JUNCTION BOX, TYPE 1 OR 1P



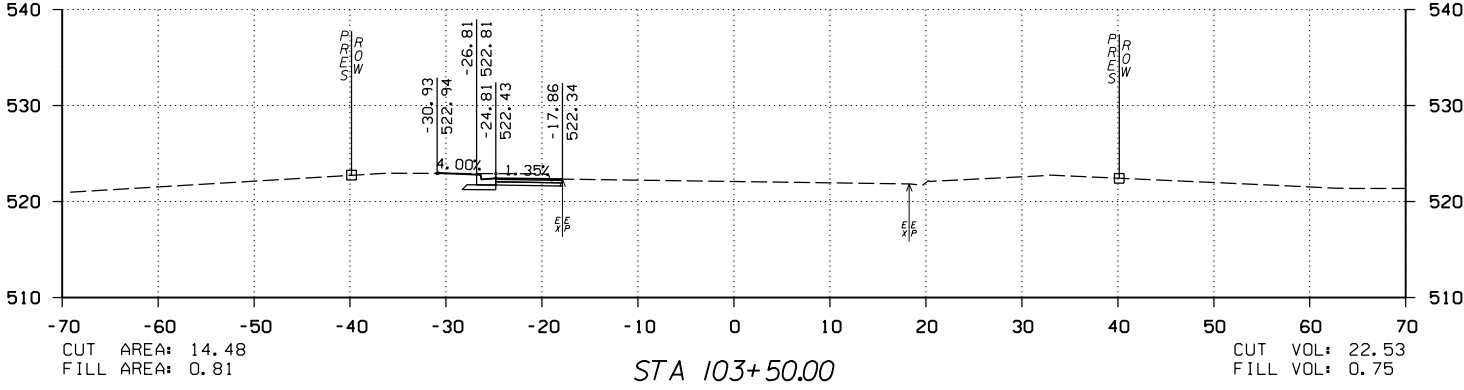
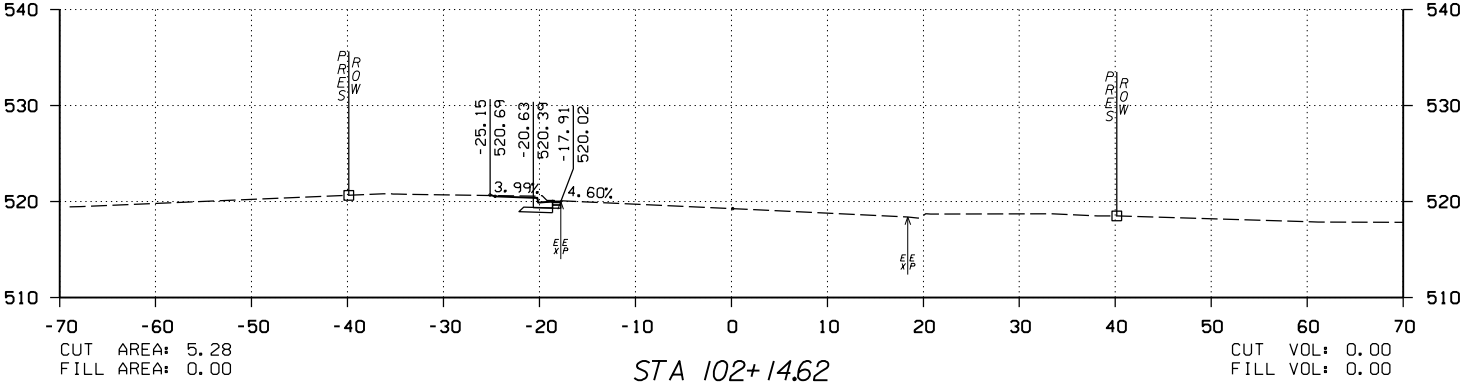
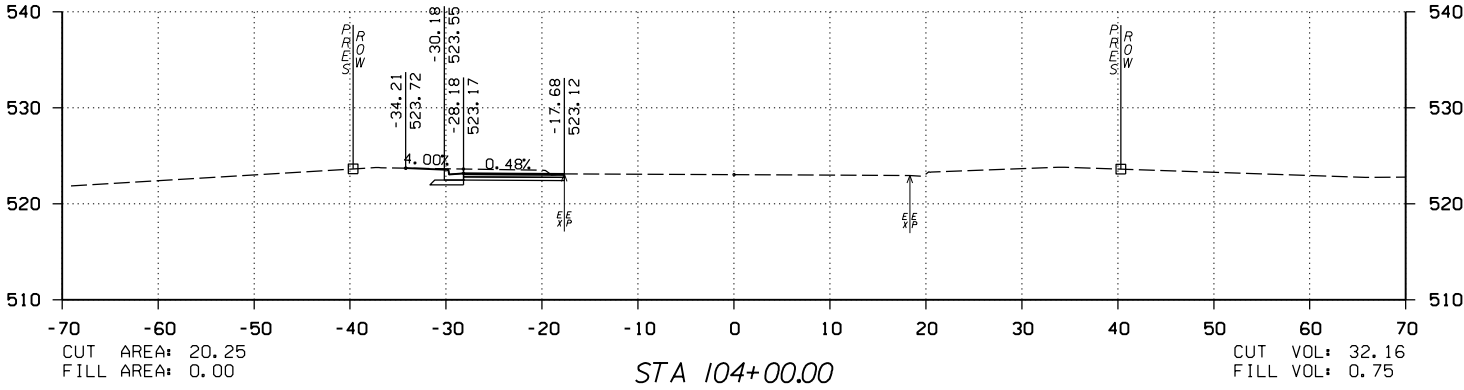
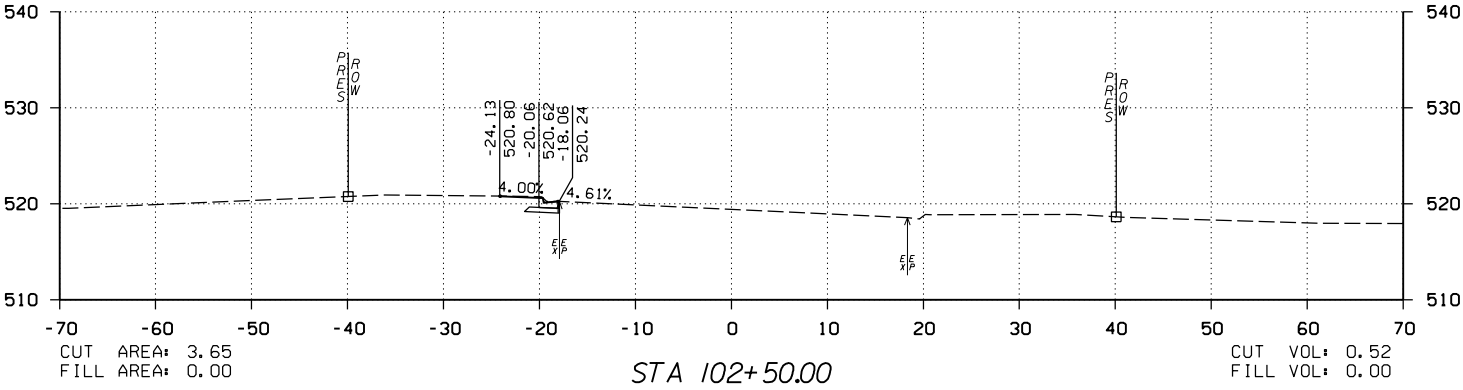
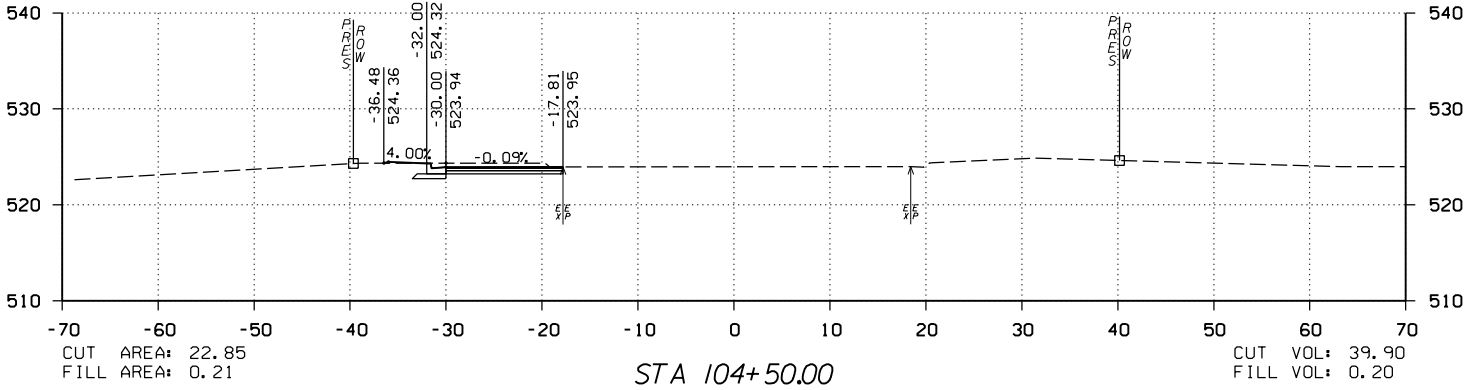
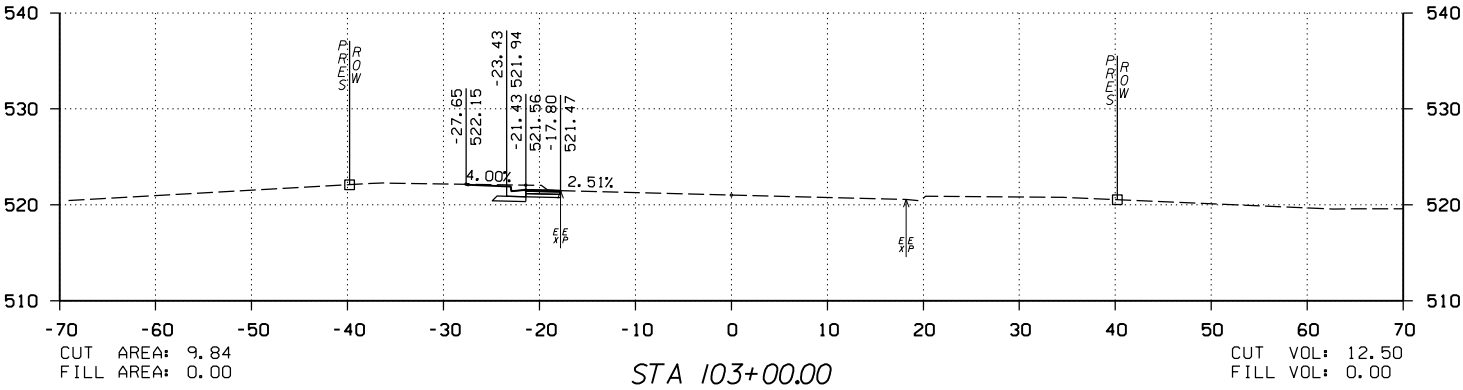
STA 103+59.12
COUNTY ROAD 47




STRUCTURE EXCAVATION: 12 CUBIC YARDS
FOUNDATION BACKFILL, COMMERCIAL: 6 CUBIC YARDS

RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT			SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				SCALE (FEET)		DRAINAGE SECTIONS	CR-47

CROSS SECTIONS

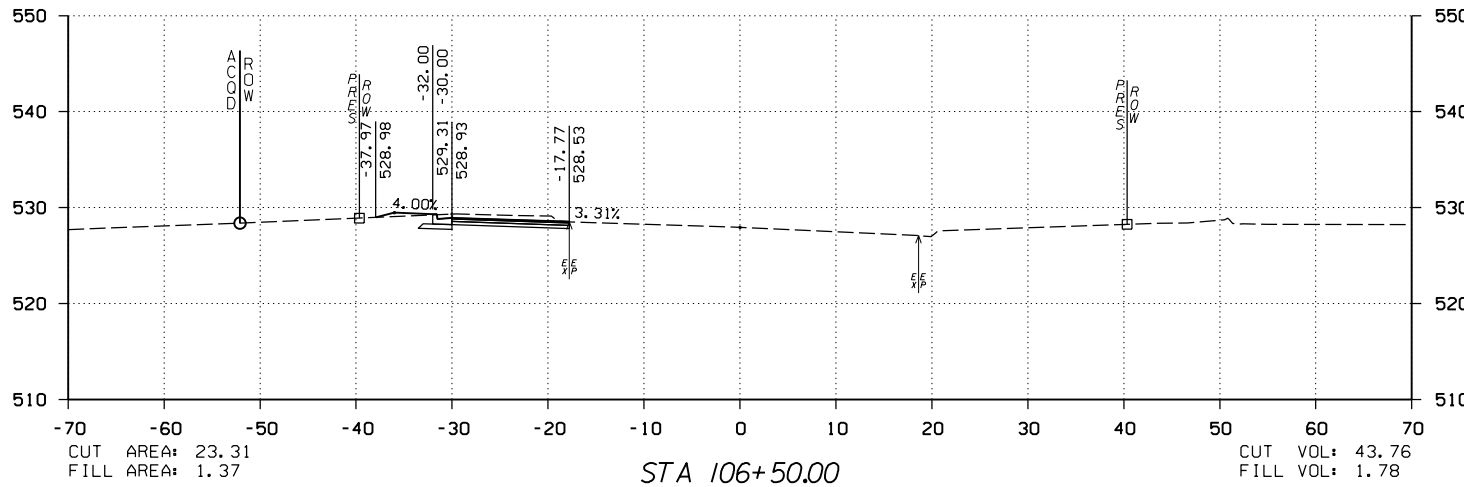
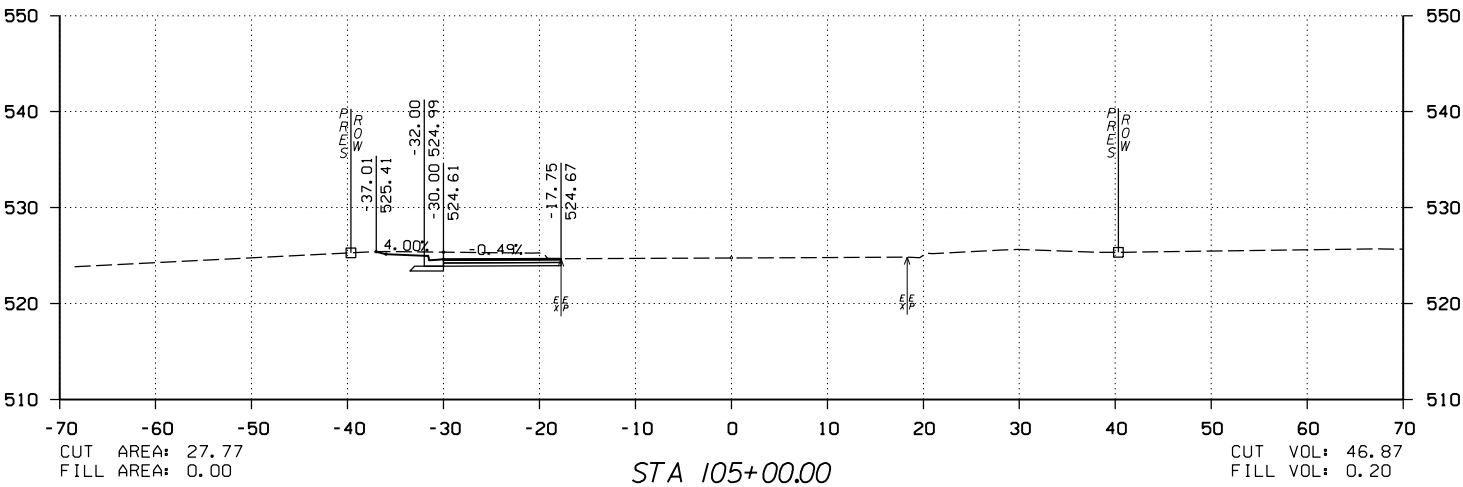
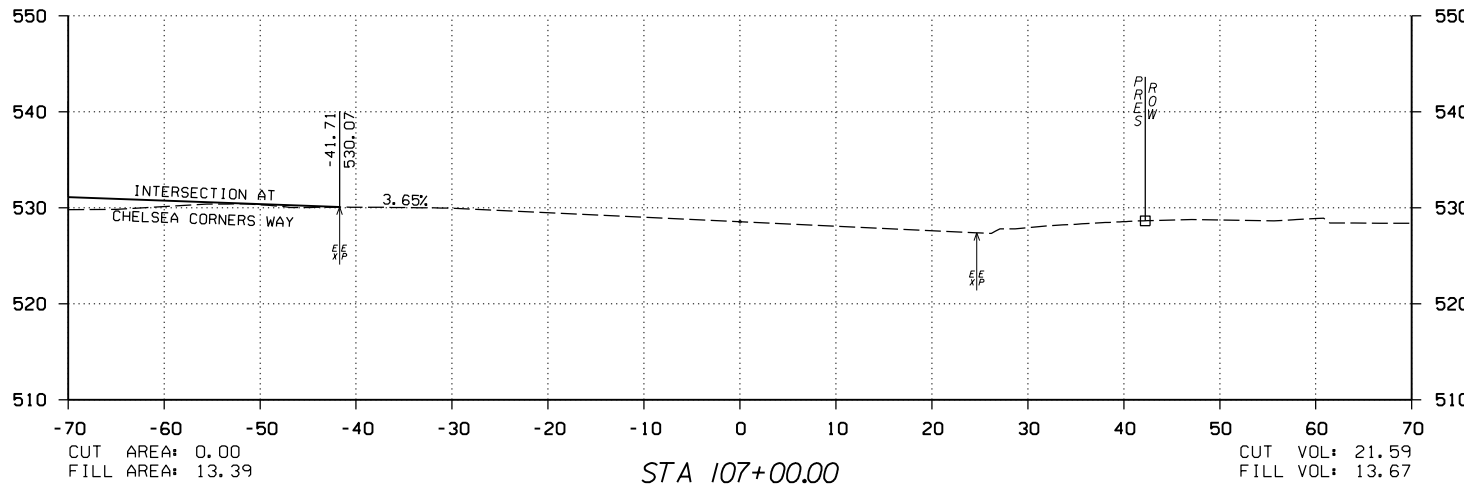
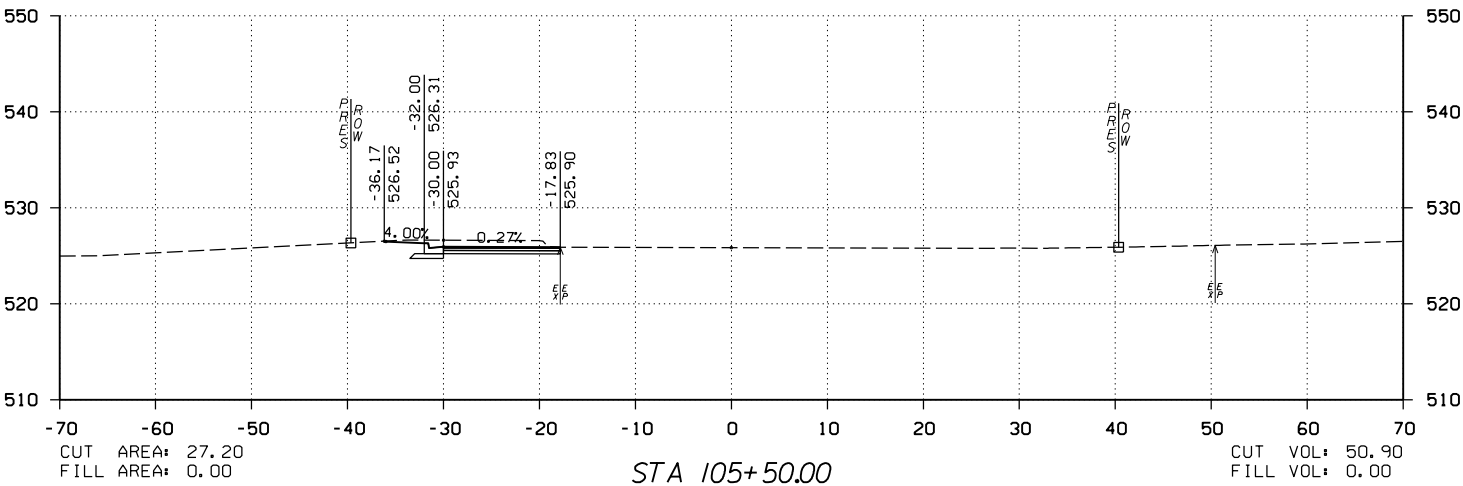
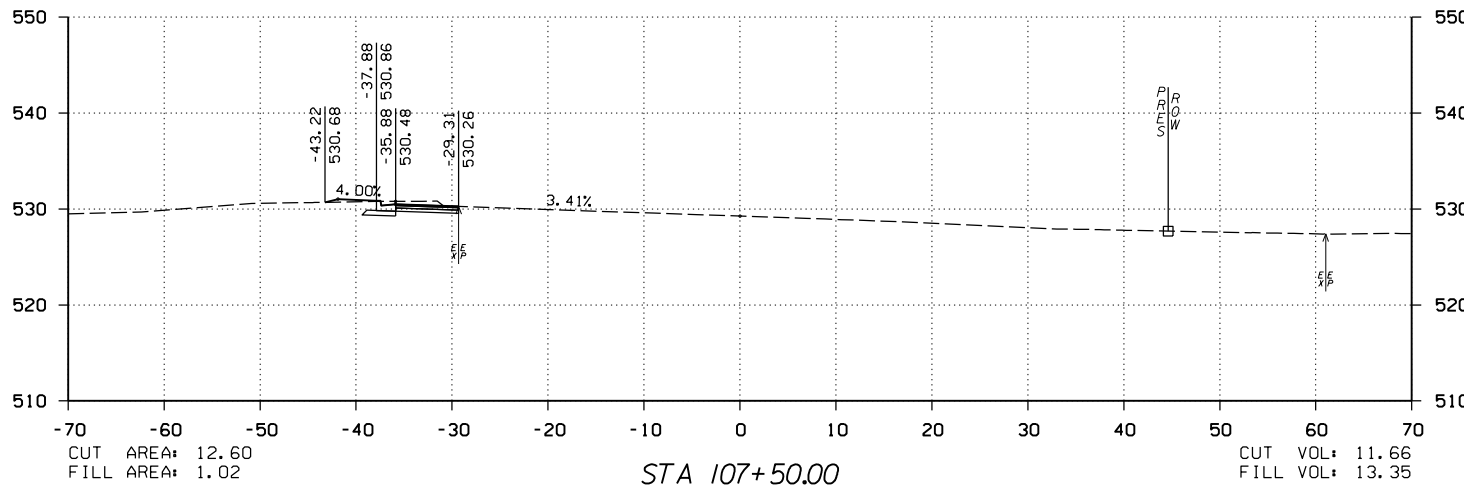
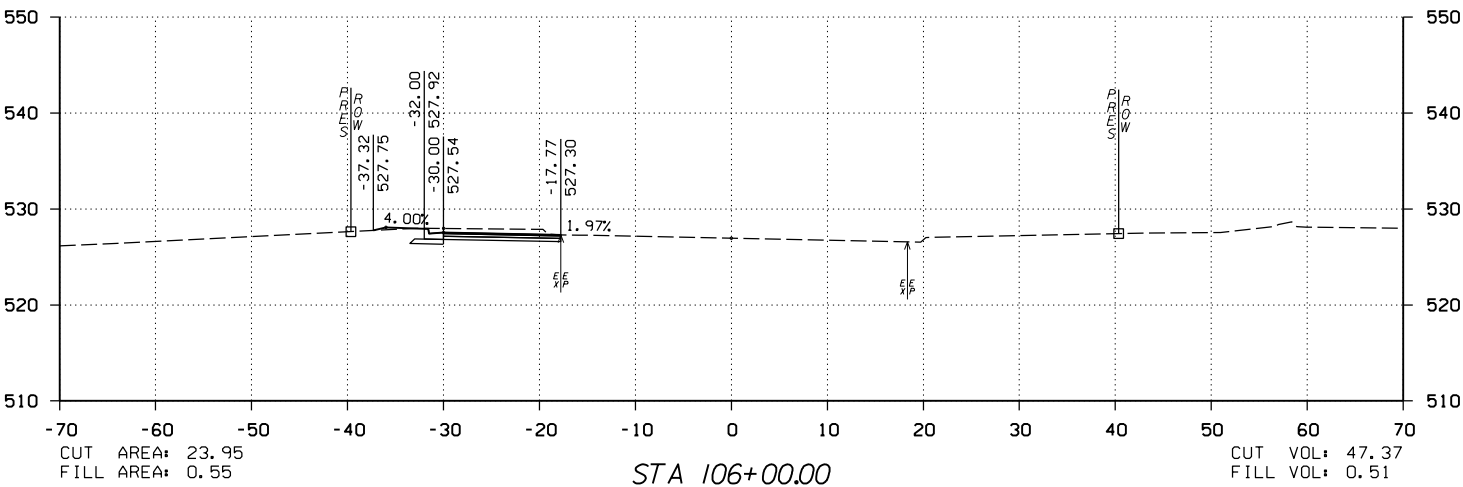
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	50






RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	 HORIZ 0 10  VERT 0 10 SCALE (FEET)	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					CROSS SECTIONS Sta 102+46.85 to Sta 104+50.00	CR-47

CROSS SECTIONS

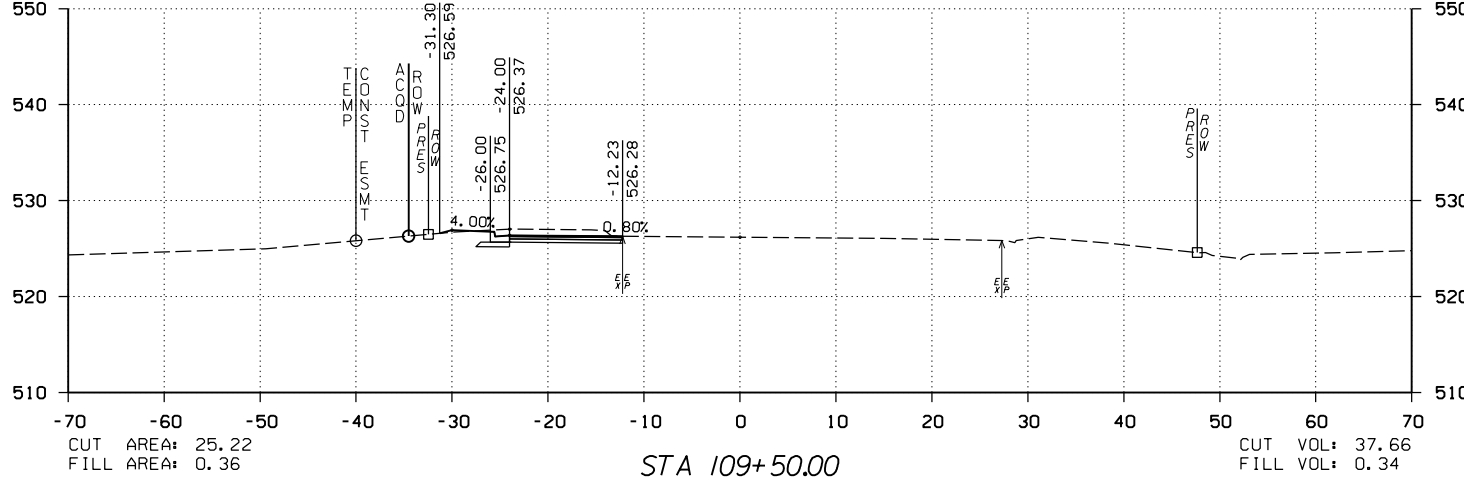
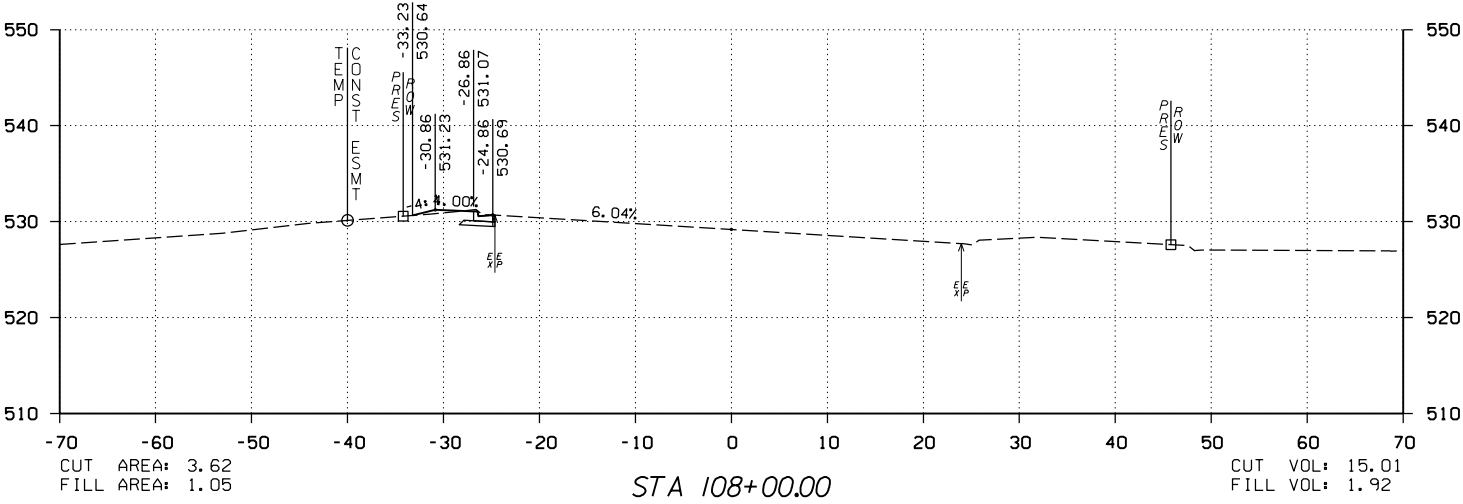
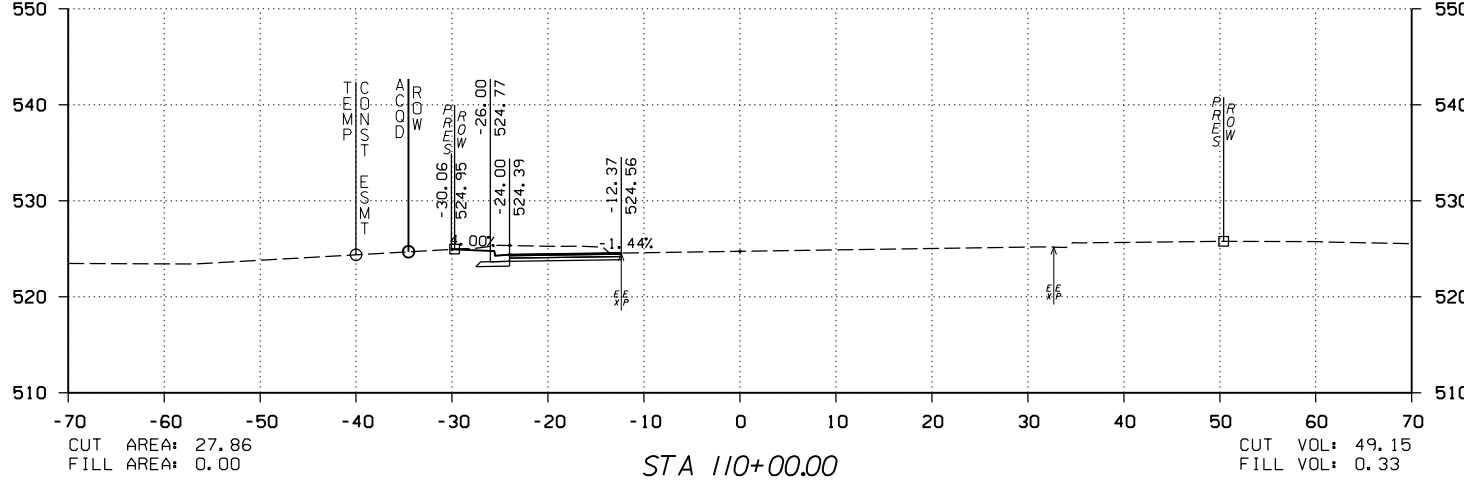
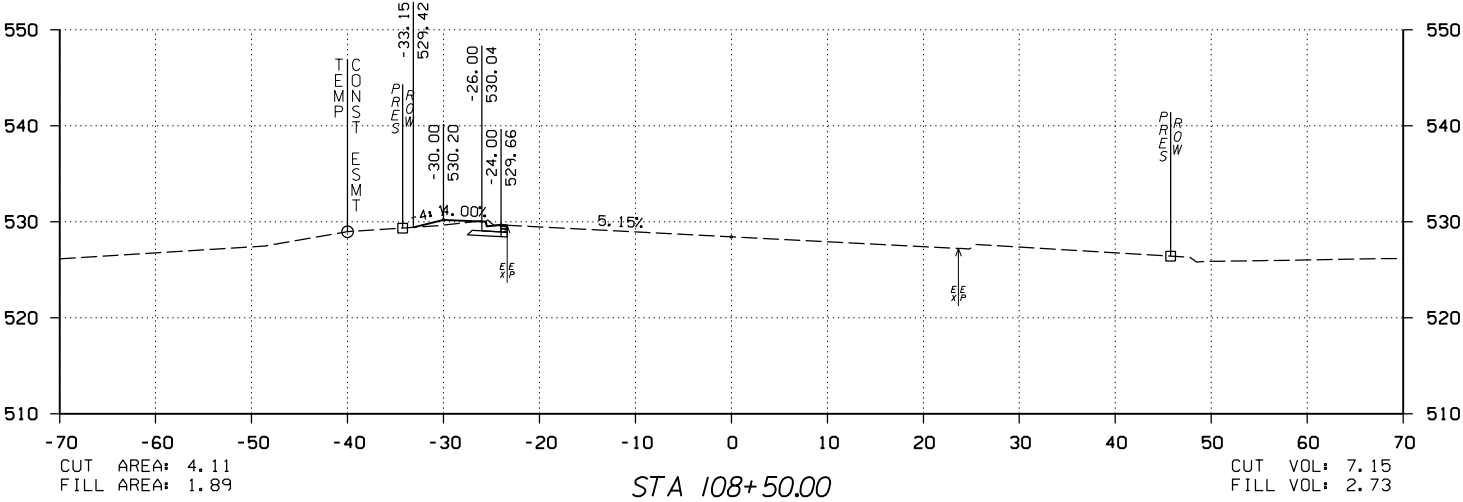
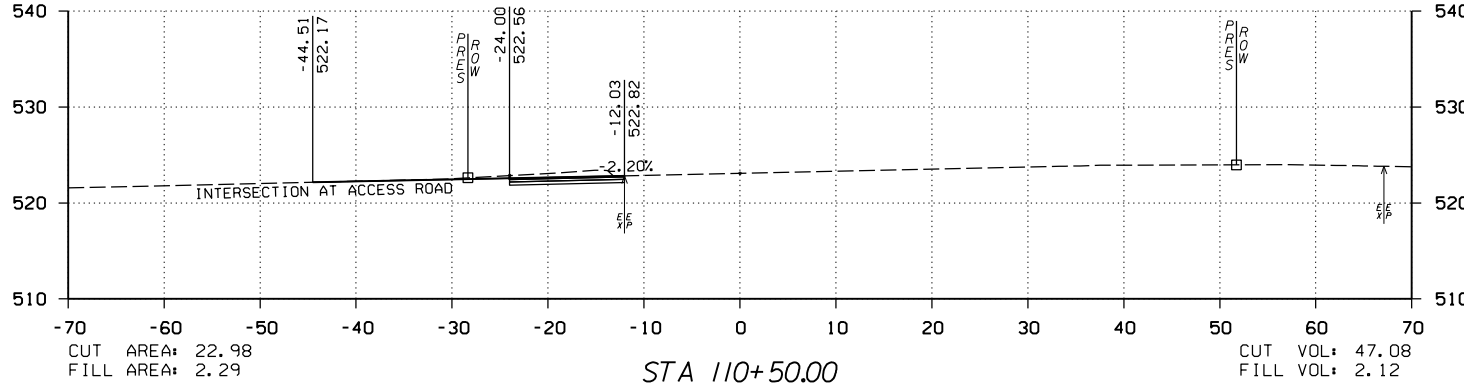
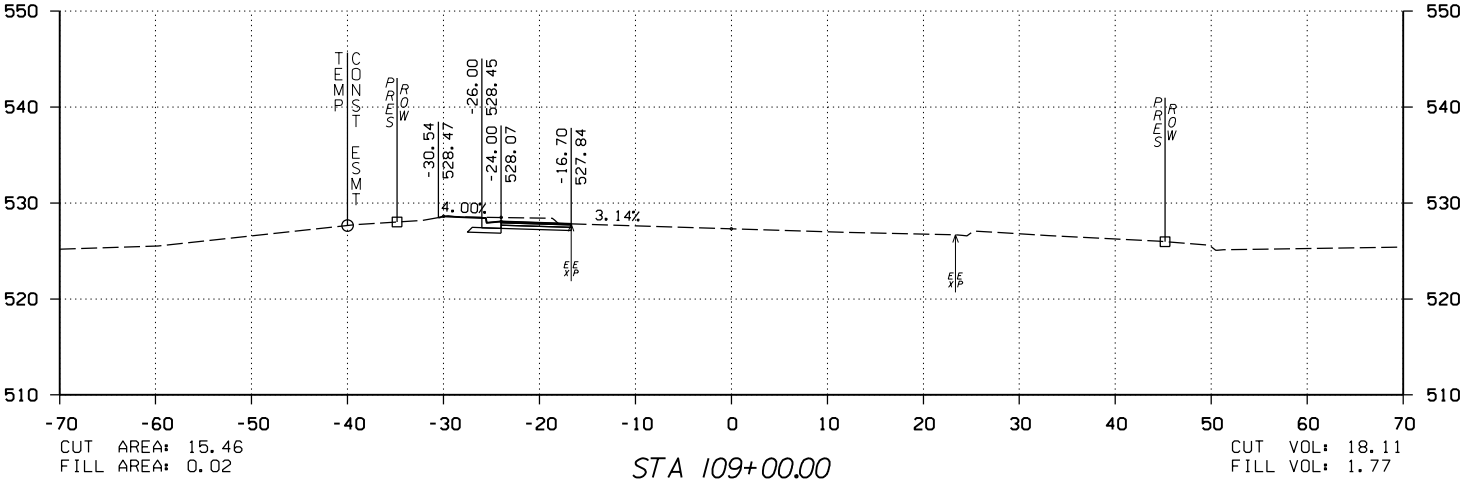
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	51






RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	 HORIZ 0 10  VERT 0 10	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					CROSS SECTIONS Sta 105+00.00 to Sta 107+50.00	CR-47

CROSS SECTIONS

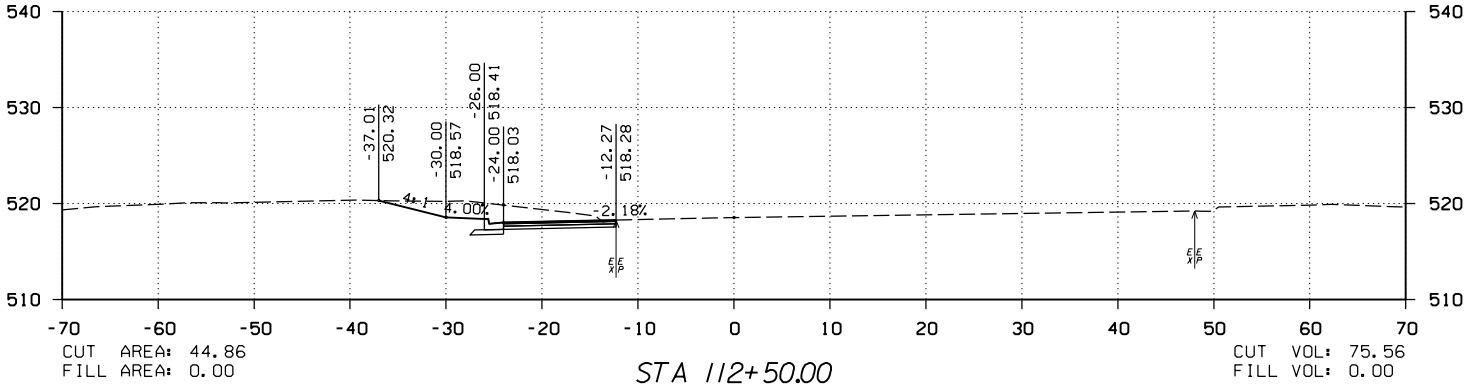
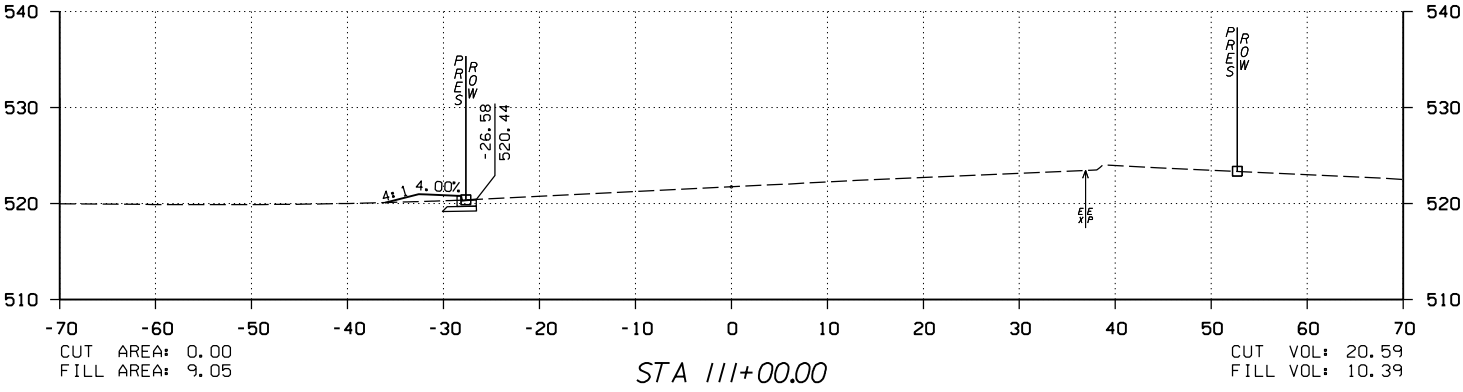
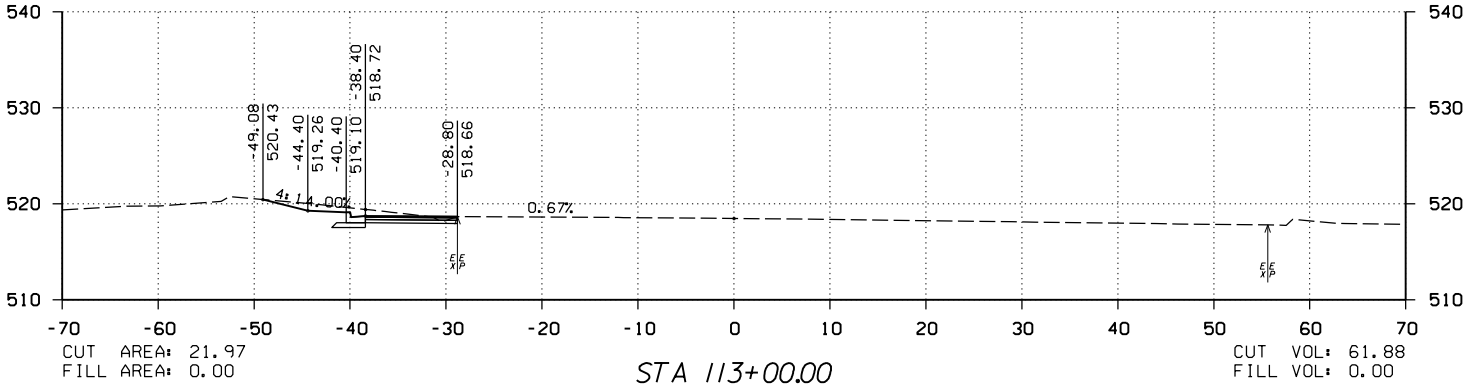
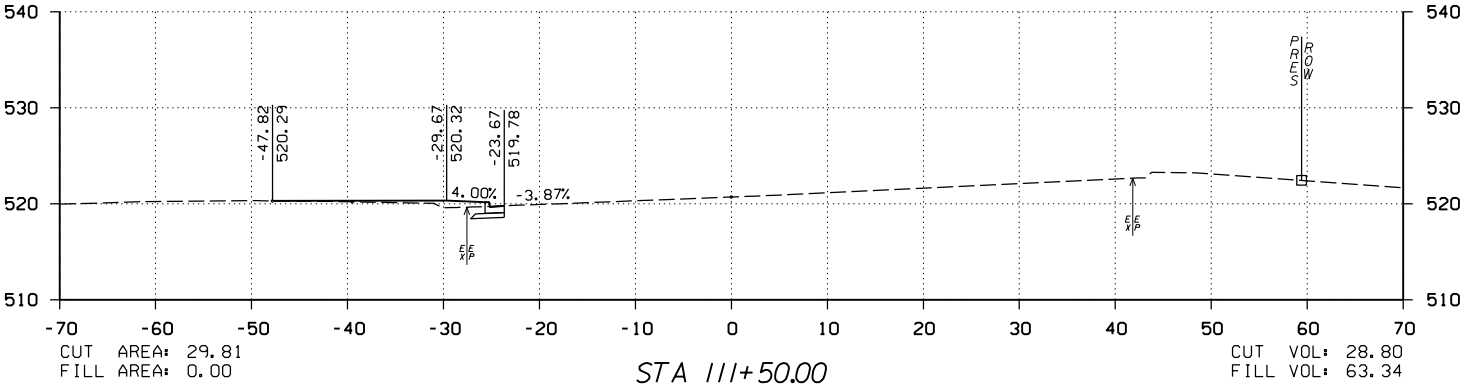
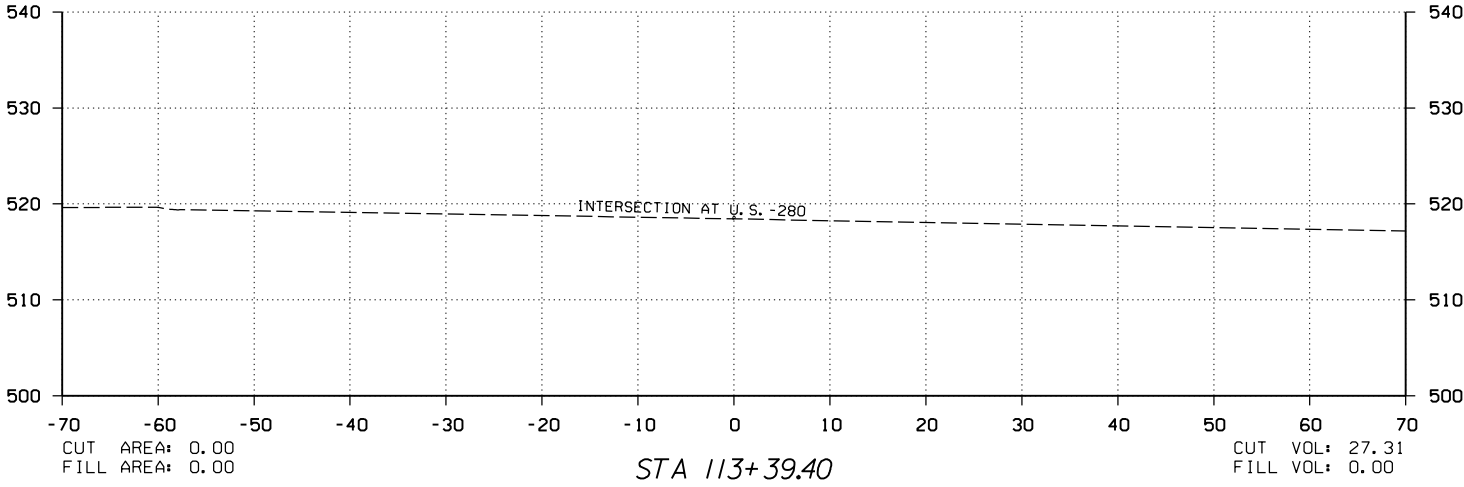
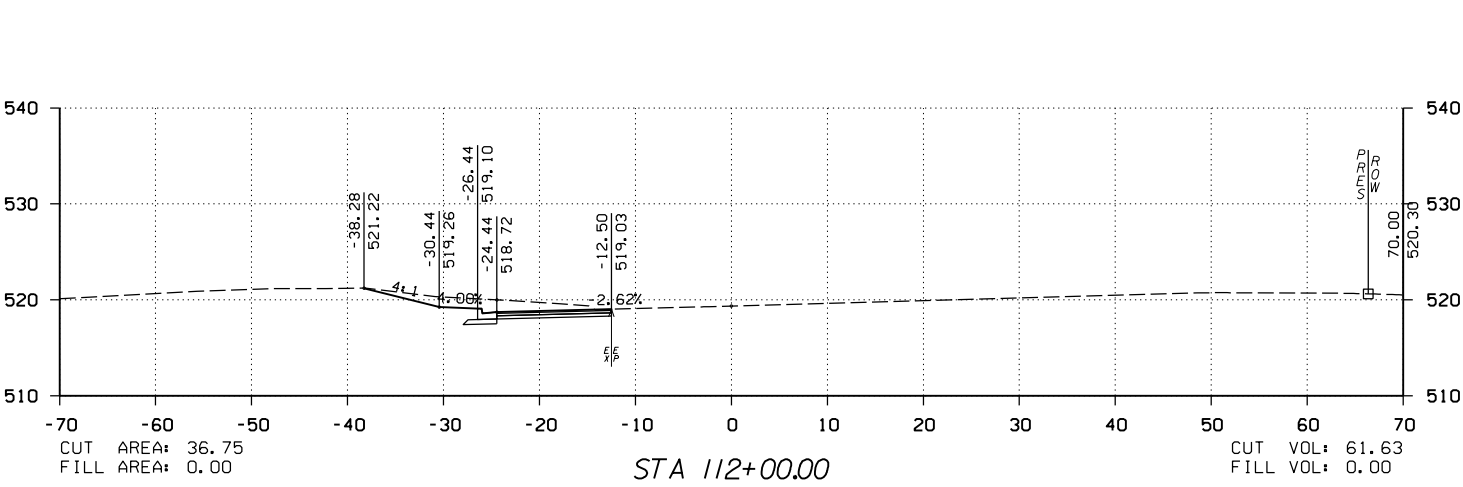
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	52






RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	 HORIZ  VERT	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					CROSS SECTIONS Sta 108+00.00 to Sta 110+50.00	CR-47

CROSS SECTIONS

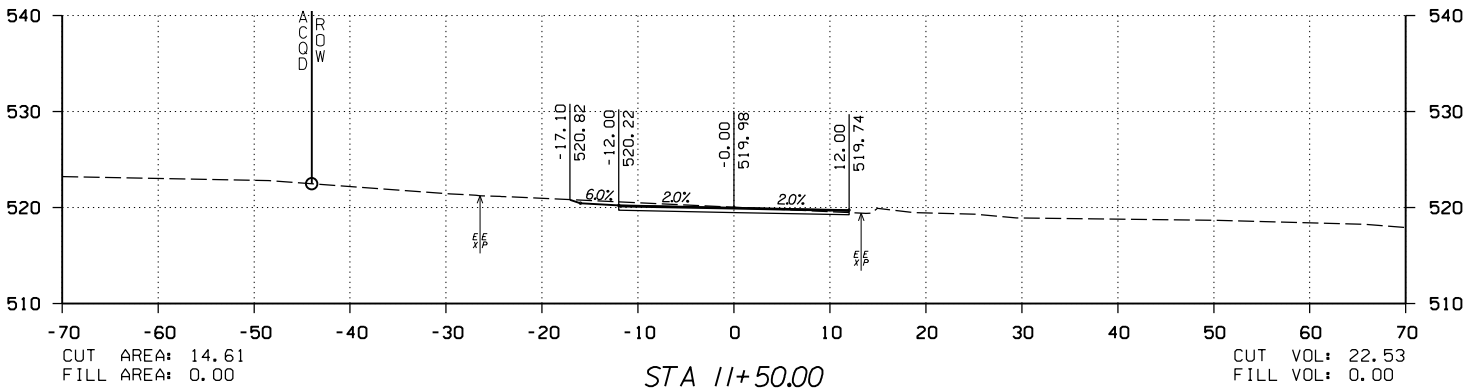
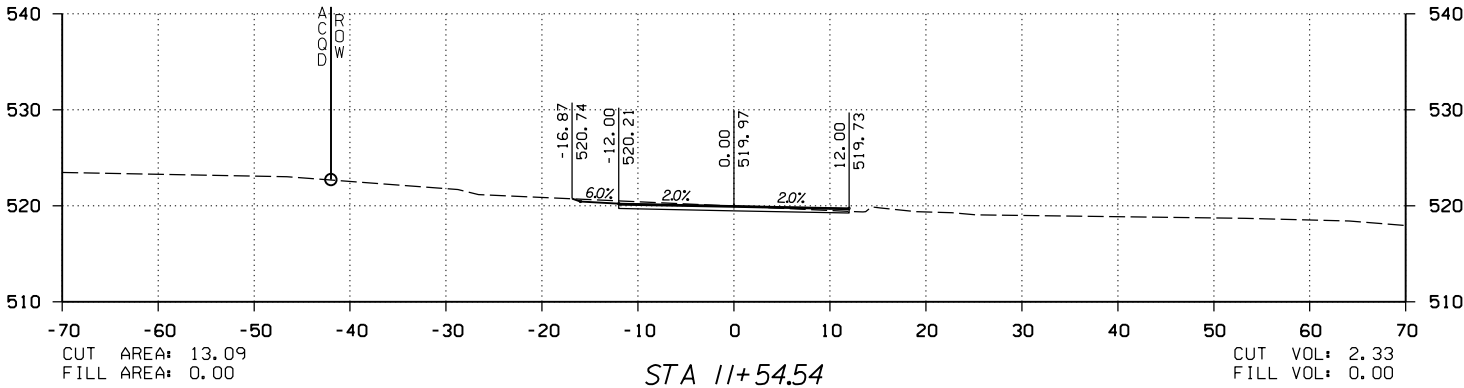
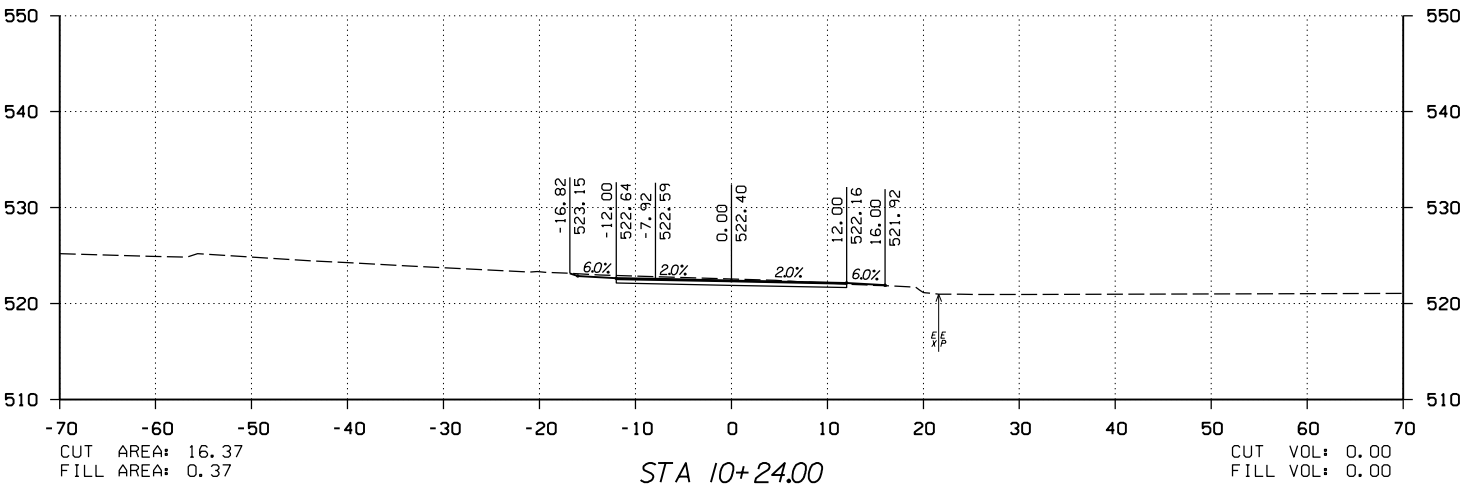
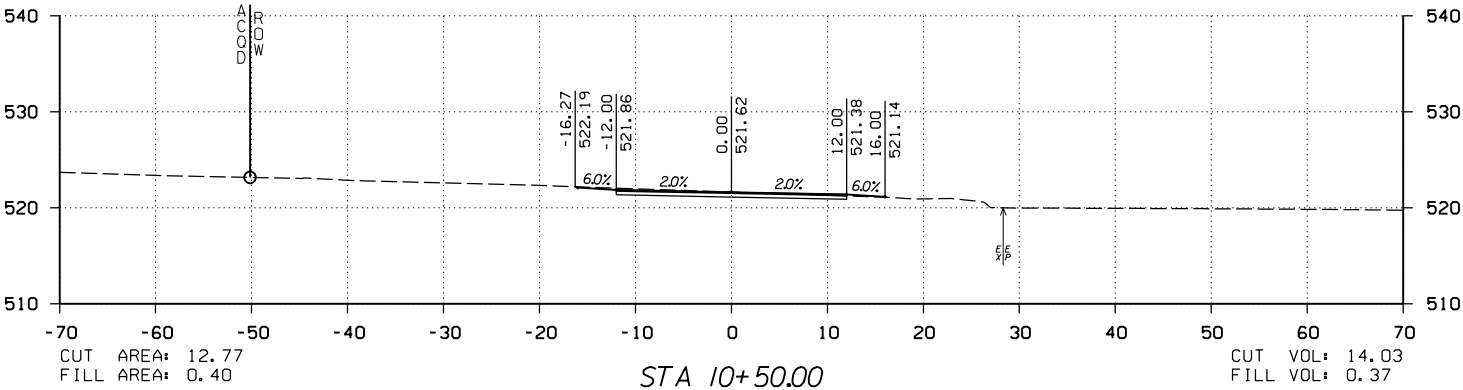
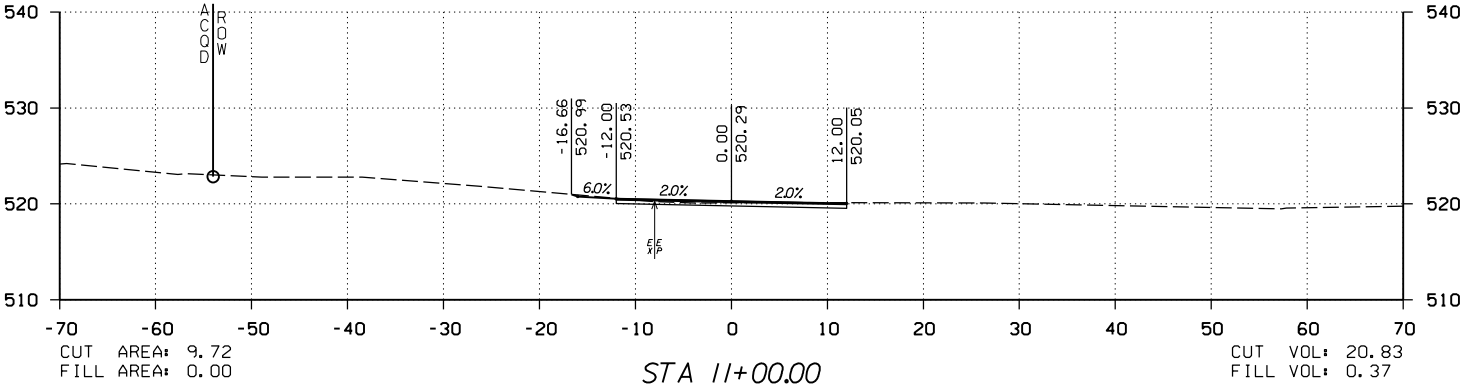
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	53






RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO			SHELBY COUNTY HIGHWAY DEPARTMENT	 HORIZ SCALE (FEET)  VERT	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:					CROSS SECTIONS Sta 111+00.00 to Sta 113+39.40	CR-47

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-939-23 / ST-059-888-007	2024	54



RESPONSIBLE PE: CHARLES WRIGHT, PE	SUPERVISOR: CHARLES WRIGHT, PE	DESIGNER: JEFFREY THEO		 SHELBY COUNTY HIGHWAY DEPARTMENT	 	SHEET TITLE	ROUTE
DATE:	DATE:	DATE:				CROSS SECTIONS Sta 10+24.00 to Sta 11+54.54	ACCESS ROAD