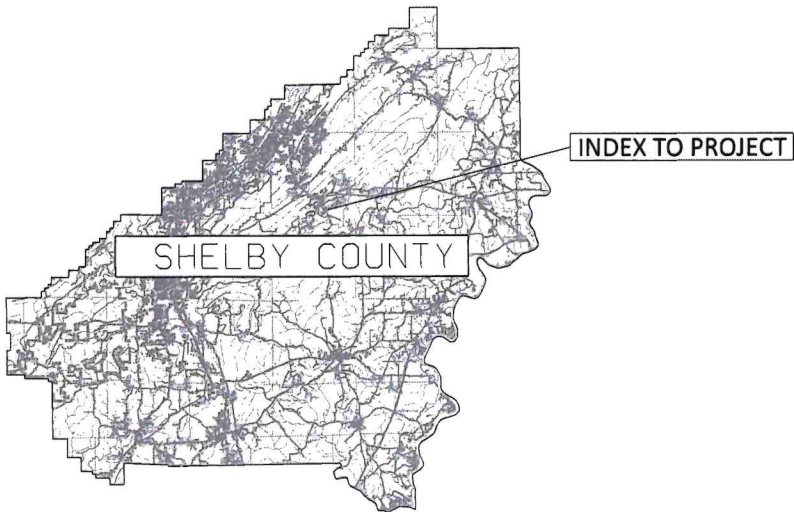


STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	SCP 59-959-24	2026	1	100
CONTRACT ID NO				



SHELBY COUNTY
HIGHWAY DEPARTMENT

PLANS OF PROPOSED PROJECT NO. SCP 59-959-24
LIBERTY ROAD BRIDGE REPLACEMENT
OVER NORTH FORK YELLOWLEAF CREEK
SHELBY COUNTY

EXISTING BRIDGE (REMOVE)

INDEX	STA	TO STA	LENGTH	BIN
A	103+16.99	TO 104+32.82	115.83'	010825
TOTAL EFFECT: (NO EFFECT)				

REQUIRED BRIDGES

INDEX	STA	TO STA	LENGTH	BIN
1	103+25.00	TO 104+45.00	120.00'	22014
TOTAL EFFECT: 120.00'				

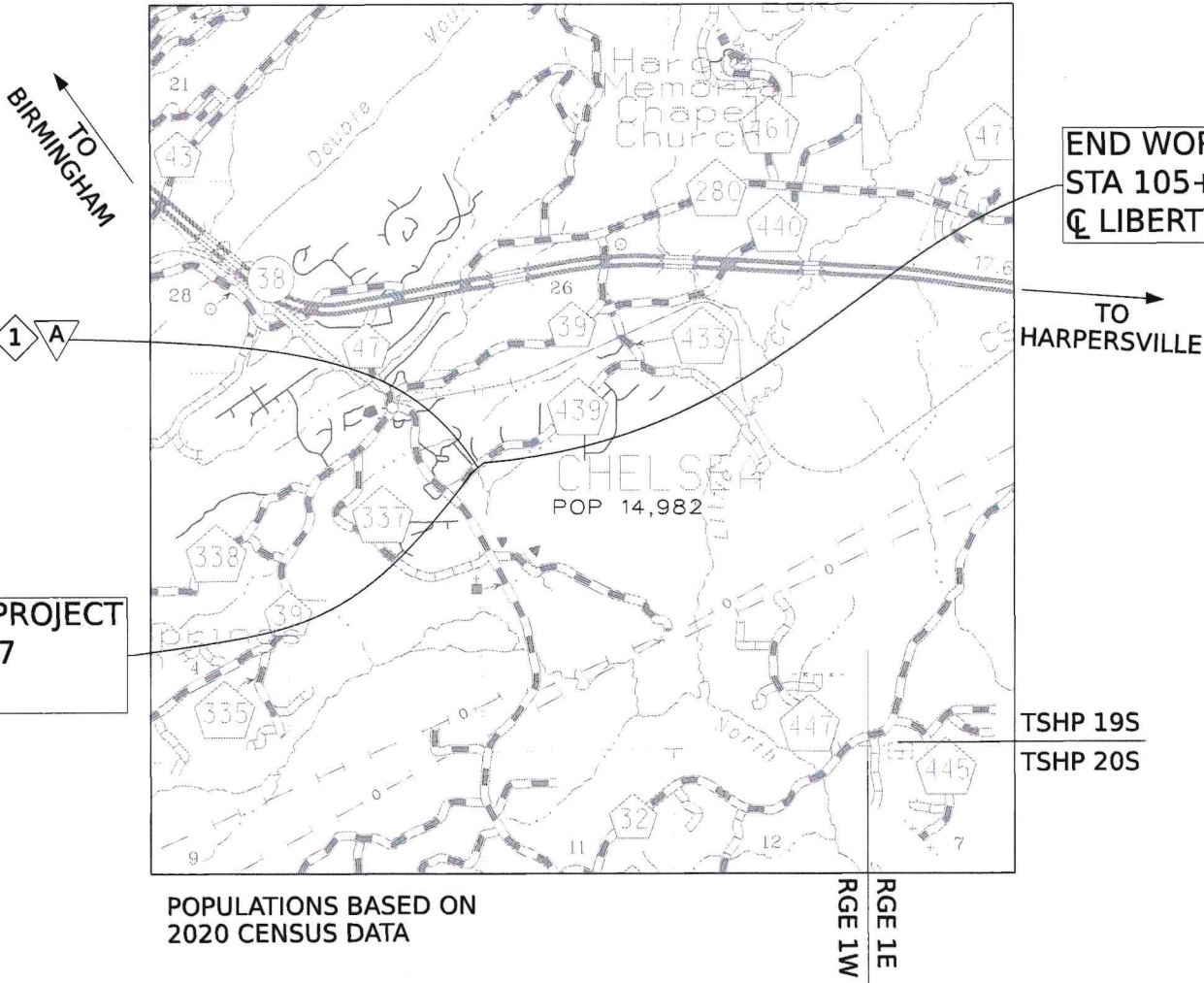
EQUATIONS

NONE

EXCEPTIONS

NONE

BEGIN WORK/PROJECT
STA 100+78.37
☒ LIBERTY RD



These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2026 Edition.



SHELBY COUNTY HIGHWAY DEPARTMENT
Submitted for Approval:
David M. Elger
COUNTY ENGINEER

	FEET	MILES
TOTAL STATIONING OF PROJECT	493.46	0.093
EQUATIONS & EXCEPTIONS	0.00	
NET LENGTH OF PROJECT	493.46	0.093
NET LENGTH OF BRIDGES	120.00	0.022
NET LENGTH OF ROADWAYS	373.46	0.071

100% SUBMITTAL
DECEMBER 23, 2025

PREPARED BY:

BARGE
DESIGN SOLUTIONS

500 Corporate Pkwy // Suite 100 // Hoover, Alabama 35242
PHONE (205) 298-6074



INDEX TO SHEETS AND INDEX TO SPECIAL AND STANDARD DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	1A

THE FOLLOWING ARE SPECIAL AND STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL & STANDARD HIGHWAY DRAWING BOOK (U.S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2026, WHICH APPLY TO THIS PROJECT.

SHEET NO	DESCRIPTION
1	TITLE SHEET
1A	INDEX TO SHEETS AND INDEX TO SPECIAL AND STANDARD DRAWINGS
1B	PLANS LEGEND SHEET
1C	PLANS ABBREVIATIONS SHEET
1D	PRIMARY SURVEY CONTROL & GEOMETRIC LAYOUT SHEET
2	TYPICAL SECTIONS
2A	PROJECT NOTES
2B	TRAFFIC CONTROL PLAN NOTES
3	SUMMARY OF QUANTITIES
4	PLAN AND PROFILE SHEET
5 - 9	OMIT
10	PAVING, SIGNING, AND STRIPING LAYOUT SHEET
11 - 19	OMIT
20	UTILITY PLAN SHEET
21 - 39	OMIT
40	TEMPORARY TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION
41	TEMPORARY TRAFFIC CONTROL PLAN - DETOUR
42 - 43	TEMPORARY TRAFFIC CONTROL PLAN - DETAILS
44 - 49	OMIT
50	EROSION AND SEDIMENT CONTROL LEGEND
51	EROSION AND SEDIMENT CONTROL - INITIAL PHASE
52	EROSION AND SEDIMENT CONTROL - INTERMEDIATE PHASE
53	EROSION AND SEDIMENT CONTROL - FINAL PHASE
54 - 59	OMIT
60	ESTIMATED QUANTITIES AND GENERAL NOTES
61	PLAN & ELEVATION
62 - 63	SPECIAL RAIL DETAILS
64	MISC. BRIDGE DETAILS
65 - 68	BRIDGE SPECIAL PROJECT DRAWINGS
69 - 89	OMIT
90 - 94	CROSS SECTIONS
95 - 99	OMIT
100	EARTHWORK SUMMARY

INDEX NUMBER	SPECIAL OR STANDARD DRAWING NUMBER	DESCRIPTION
63001	GR-630-S (SHEET 1 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS (DELINEATORS/REFLECTORS FOR GUARDRAIL OR CONCRETE BARRIER RAIL)
63002	GR-630-S (SHEET 2 OF 3)	(MASH) GUARDRAIL HEIGHT TRANSITION DETAIL
63003	GR-630-S (SHEET 3 OF 3)	GALVANIZED STEEL BEAM GUARDRAIL WITH BLOCKED OUT TREATED TIMBER OR GALVANIZED STEEL POSTS
63006	GR-630-FD (SHEET 1 OF 2)	FLARE DETAIL AND WARRANTY CRITERIA FOR BEAM GUARDRAIL
63007	GR-630-FD (SHEET 2 OF 2)	FLARE DETAIL AND WARRANTY CRITERIA FOR BEAM GUARDRAIL & GUARDRAIL AT RADIUS
63050	GA-630-20 (SHEET 1 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH)(TL-3) (SOFTSTOP)
63051	GA-630-20 (SHEET 2 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MSKT)
63052	GA-630-20 (SHEET 3 OF 4)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)
63053	GA-630-20 (SHEET 4 OF 4)	DETAILS OF SINGLE GUARDRAIL TERMINAL - TYPE 20 SERIES SGET (MASH) (TL-3)
66501	ESC-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	ESC-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	ESC-200-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
66506	ESC-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ESC-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ESC-200-4	DETAILS OF SILT FENCE INSTALLATION
66509	ESC-200-5	DETAILS OF SEDIMENT RETENTION BARRIER
66512	ESC-300-1	DITCH CHECK STRUCTURE, TYPICAL APPLICATIONS AND DETAILS
66513	ESC-300-2	DETAILS OF HAY BALE DITCH CHECKS
66514	ESC-300-3	DETAILS OF SANDBAG DITCH CHECK
66515	ESC-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66517	ESC-300-6	DETAILS OF SILT DIKE DITCH CHECKS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS
66520	ESC-300-9	DETAILS OF WATTLE SLOPE INTERRUPTERS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2	INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501	FLOATING BASIN BOOM
66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
66541	ESC-505	TEMPORARY STREAM DIVERSION
66544	ESC-506-1	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
68004	TO-107	DETAILS OF INTERSECTIONS AND TURNOUTS
70101	PS-701-6	DETAILS OF TRAFFIC STRIPING FOR 2 LANE HIGHWAYS
71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
71062	SHS-3	STANDARD HIGHWAY SIGNS
71066	SHS-7	STANDARD HIGHWAY SIGNS
71070	SHS-11	STANDARD HIGHWAY SIGNS
74001	B-107-2	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III
		& VERTICAL PANELS TYPE I AND TYPE II
74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES





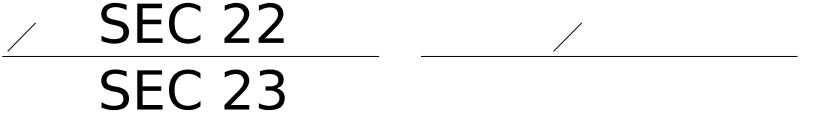

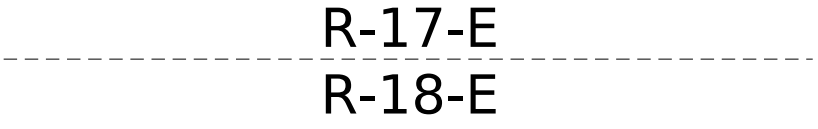









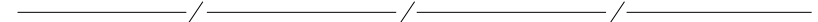


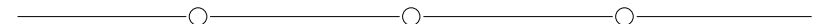





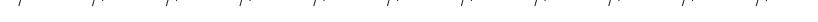
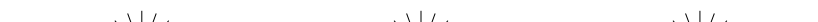








 SHELBY COUNTY HIGHWAY DEPARTMENT	REVISIONS:	PLAN SUBMITTAL	PLANS PREPARED BY:		SHEET TITLE	ROUTE
		100%	BARGE DESIGN SOLUTIONS			LIBERTY RD











INDEX TO SHEETS AND INDEX TO
SPECIAL AND STANDARD DRAWINGS

\$TIMES
\$DATES

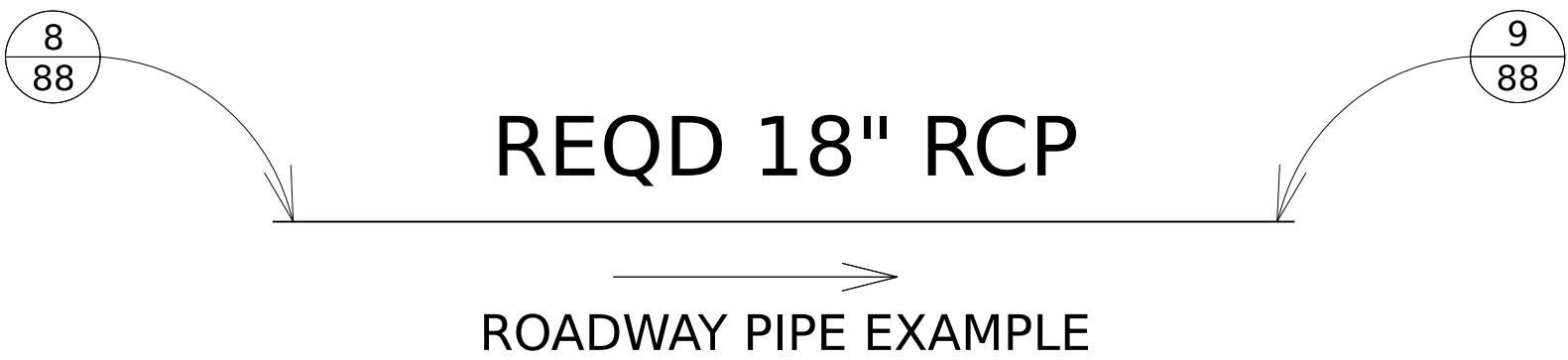
PLANS LEGEND SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	1B

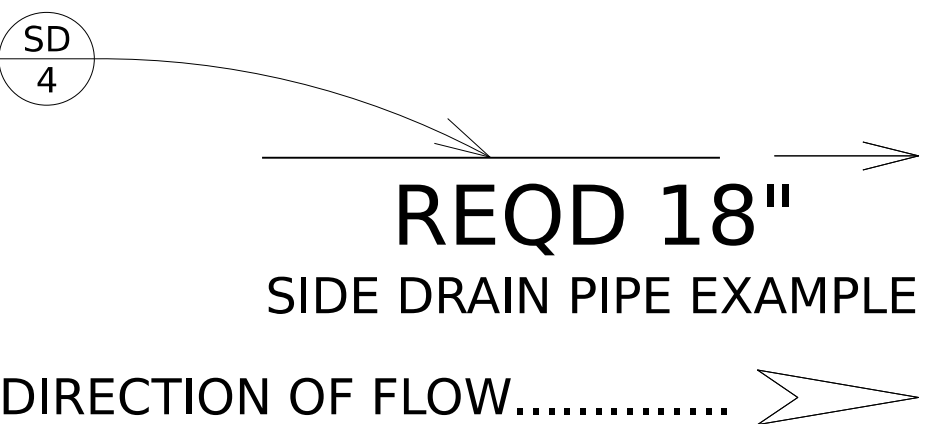
CENTER LINE.....	
STATE BOUNDARY LINE.....	
COUNTY BOUNDARY LINE.....	
CITY OR TOWN LIMITS.....	
SECTION LINES.....	
QUARTER-SECTION LINES.....	
RANGE-TOWNSHIP LINES.....	
PROPERTY LINES.....	
PRESENT ROW.....	
ACQUIRED ROW.....	
DENIED ACCESS.....	
REQUIRED FENCE.....	
CONSTRUCTION LIMITS.....	
CLEARING 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.....	
EXISTING CABLE GUIDERAIL.....	
REQUIRED CABLE GUIDERAIL.....	
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 DRAWING STRUCTURE INDEX NUMBER. THE NUMBER IN THE LOWER HALF (EXAMPLE 88) IS THE SHEET REFERENCE NUMBER.


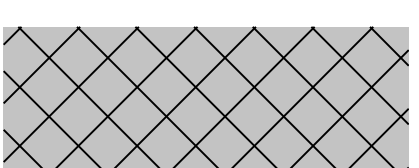
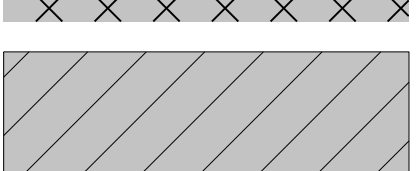
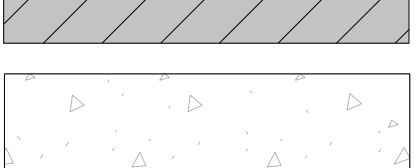

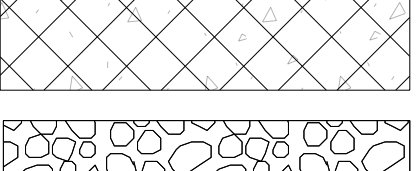


ALL INFORMATION CONCERNING THE DISPOSITION OF SIDE DRAIN PIPE IS SHOWN ON THE SUMMARY OF QUANTITIES BOX SHEET. THE TOP LETTERS (SD) ARE FOR SIDE DRAIN AND THE BOTTOM NUMBER IS THE DRAINAGE STRUCTURE INDEX NUMBER.



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

EXISTING	PROPOSED
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	

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

PLANS ABBREVIATIONS SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	1C

ABANDON(ED).....	ABAN
ABUTMENT.....	ABUT
ACCELERATION.....	ACCL
ACQUIRED.....	ACQD
ACRE.....	AC
AHEAD.....	AH
ALABAMA.....	AL
ALABAMA DEPARTMENT OF TRANSPORTATION.....	ALDOT
ALTERNATE.....	ALT
APPROXIMATE(LY).....	APP
AREA.....	A
ASPHALT.....	ASP
AVERAGE ANNUAL DAILY TRAFFIC.....	AADT
BACK.....	BK
BACK OF GUARDRAIL.....	BK-GR
BACKSIGHT.....	BS
BARBED WIRE.....	B/W
BARREL.....	BBL
BARRIER.....	BAR
BASE LINE.....	BL
BEARING.....	BRNG
BEGIN.....	BEG
BEGINNING OF PROJECT.....	BOP
BETWEEN.....	BTW
BILLBOARD.....	BBD
BENCH MARK.....	BM
BITUMINOUS.....	BIT
BITUMINOUS COATED CORRUGATED METAL PIPE.....	BCCMP
BOUNDARY.....	BDY
BRIDGE.....	BRG
BRIDGE END SLAB.....	BES
CAPACITY.....	CAPY
CAST IRON.....	CI
CAST IN PLACE.....	CIP
CATCH BASIN.....	CB
CENTERLINE.....	CL
CHAIN LINK.....	C/L
CLASS.....	CLS
CONCRETE.....	CONC
CONNECTION.....	CONN
CONSTRUCTION LIMITS.....	CONST LIM
CORNER.....	COR
CORRECTION.....	CORR
CORRUGATED IRON.....	CORI
CORRUGATED METAL.....	CM
CORRUGATED METAL PIPE.....	CMP
CORRUGATED PLASTIC PIPE.....	CPP
COUNTY.....	CO
COUNTY ROAD.....	CO-RD
CREEK.....	CK
CROSS SECTION.....	X-SECT
CROWN REMOVED.....	CR
CUBIC FEET.....	FT3 or CU FT
CUBIC FEET PER SECOND.....	CFS
CUBIC YARD.....	YD3 or CU YD
CUBIC METERS.....	M3
CULVERT.....	CULV
CULTIVATED.....	CULT
CURB FACE.....	CF
CURB AND GUTTER.....	C&G
CUT.....	C
CURVE TO SPIRAL.....	CS
DECELERATION.....	DECEL
DECLINATION.....	DECL
DEGREE OF CURVE.....	D
DENIED ACCESS.....	D/A
DEPARTURE.....	DEP

DIAMETER.....	DIA
DIRECTION.....	DIR
DISTANCE.....	DIST
DOUBLE.....	DBL
DOUBLE BARREL CULVERT.....	CD
DRAINAGE AREA.....	DA
DRIVE.....	DR
DROP INLET.....	DI
EACH.....	EA
EASEMENT.....	ESMT
EAST.....	E
EAST BOUND ROADWAY.....	EBR
EDGE OF PAVEMENT.....	EP
ELEVATION.....	EL or ELEV
END OF RETURN.....	ER
END ANCHOR.....	E/A
END OF PROJECT.....	EOP
EQUATION.....	EQ
EROSION CONTROL PRODUCTS.....	ECP
EXCAVATION.....	EXCAV
EXISTING.....	EX
EXPANSION.....	EXP
EXTENSION.....	EXT
EXTERNAL.....	E
EXTRA STRENGTH.....	EXT STR
FEET.....	FT
FILL.....	F
FILTER BLANKET.....	FLT BLNK
FINISHED GRADE.....	FG
FINISHED SURFACE.....	FS
FISCAL YEAR.....	FY
FIXED.....	FIX
FLAT BOTTOM.....	FB
FLOW LINE.....	FL
FORESIGHT OR FRONTSIGHT.....	FST
FRACTIONAL.....	FRAC
FULL SUPERELEVATION.....	FS
GALLON.....	GAL
GASOLINE PUMPS.....	GPP
GARAGE.....	GAR
GAUGE.....	GA
GIRDER.....	GDR
GOVERNMENT.....	GOV
GRASS.....	GRS
GRADE CHANGE.....	GC
GRADE POINT.....	GPP
GRADE ROD.....	GRD
GRAVEL.....	GRV
GUARDRAIL.....	GR
HEADWALL.....	HDWL
HECTARE.....	HA
HIGH WATER MARK.....	HWM
HEIGHT.....	HT
HEIGHT OF INSTRUMENT.....	HI
HIGH WATER.....	HW
HIGHWAY.....	HWY
HOGWIRE.....	H/W
HORIZONTAL.....	HOR
HUB & TACK.....	H&T
HYDRANT.....	HYD
IMPACT ATTENUATOR.....	IA
IN ACCORDANCE WITH.....	I/A/W
IN PLACE.....	IN-PL
INCHES.....	IN
INCLUDING.....	INCL
INCORPORATED.....	INC
INSTRUMENT.....	INST

ISLAND.....	ISL
JOINT.....	JT
JUNCTION.....	JCT
JUNCTION BOX.....	JB
KILOMETER.....	KM
KILOMETER POST.....	KMP
KILOMETERS PER HOUR.....	KPH
LANE.....	LN
LATITUDE.....	LAT
LEFT.....	LT
LEFT AHEAD.....	LAT
LEFT BACK.....	LB
LENGTH OF CURVE.....	L
LINK.....	LK
LIMIT.....	LIM
LINEAR.....	LIN
LINEAR FEET.....	LIN FT
LONGITUDE.....	LONG
MANHOLE.....	MH
MARKER.....	MRK
MAXIMUM.....	MAX
MEAN HIGH WATER.....	MHW
MEAN LOW WATER.....	MLW
MEASUREMENT.....	MEAS
MEDIAN.....	MED
METER.....	M
MERIDIAN.....	MER
MILE POST.....	MP
MILES.....	MI
MILES PER HOUR.....	MPH
MILLIMETER.....	MM
MINIMUM.....	MIN
MONUMENT.....	MON
MULTIPLE.....	MULT
NORMAL.....	NORM
NORMAL CROWN.....	NC
NORMAL CROWN SLOPE.....	NCS
NORTH.....	N
NORTH BOUND ROADWAY.....	NBR
NORTHING-EASTING.....	NE
NOT IN CONTRACT.....	NC
NOT TO SCALE.....	NTS
NUMBER.....	NUM
OBSERVATION.....	OBS
ON CENTER.....	OC
ORIGINAL.....	ORIG
OVERHEAD.....	OHD
OVERHAUL.....	OHD
OUT TO OUT.....	OO
PAINT.....	PNT
PAVED.....	PVD
PAVED SHOULDER.....	PVD SH
PAVEMENT.....	PVMT
PIPE END TREATMENT.....	PET
PIPE ENTERING CULVERT.....	PEC
PLATE GIRDER.....	PL DGR
POINT OF BEGINNING.....	POB
POINT OF COMPOUND CURVE.....	PCC
POINT OF CURVATURE.....	PC
POINT OF REVERSE CURVATURE.....	PRC
POINT OF ENDING.....	POE
POINT OF INTERSECTION.....	PI
POINT OF TANGENCY.....	PT
POINT ON CURVE.....	POC
POUND.....	LB
PRESENT.....	PRES
PROFILE GRADE.....	PG

PROJECT.....	PROJ
PROJECT CONTROL.....	PJC
PROPERTY LINE.....	PL
PROPOSED.....	PROP
QUADRUPLE.....	QUAD
QUADRUPLE BARREL CULVERT.....	CQ
QUANTITY.....	QUANT
RADIUS.....	R
RAILROAD.....	RR
RANGE.....	RGE
RECORD.....	REC
REDUCTION.....	RED
REFERENCE.....	REF
REFERENCE POINT.....	RP
REFERENCE POINT FOR POINT ON TANGENT.....	RPPOT
REINFORCED.....	REINF
REINFORCED CONCRETE.....	RC
REINFORCED CONCRETE DECK GIRDER.....	RCDG
REINFORCED CONCRETE PIPE.....	RCP
REINFORCING STEEL.....	REINF STL
RELOCATE.....	RELC
REMOVE.....	REM
REQUIRED.....	REQD
RETAIN(ING).....	RET
REVERSE CROWN.....	RC
REVISION.....	REV
RIGHT.....	RT
RIGHT AHEAD.....	RA
RIGHT BACK.....	RB
RIGHT OF WAY.....	ROW
RIGHT OF WAY MARKER.....	ROWM
RIVER.....	RIV
ROAD.....	RD
ROADWAY.....	RDWY
SECTION.....	SEC
SERVICE ROAD.....	SER RD
SHEET.....	SHT
SHEET PILING.....	SHT PILE
SHOULDER.....	SHLD
SIDE DRAIN.....	SD
SIDEWALK.....	SW
SIGHT DISTANCE.....	S DIST
SINGLE BARREL CULVERT.....	CS
SKEW.....	SK
SLOPE STAKE.....	SST
SOLID SODDING.....	SOL SOD
SOUTH.....	S
SOUTHBOUND ROADWAY.....	SBR
SPECIAL.....	SP
SPECIAL DITCH.....	SP-DT
SPECIAL DITCH LEFT.....	SDL
SPECIAL DITCH MEDIAN.....	SDM
SPECIAL DITCH RIGHT.....	SDR
SPECIAL DRAWING.....	SP-DWG
SPECIFICATIONS.....	SPEC
SPRING LINE.....	SL
SPIRAL TO CURVE.....	SC
SPIRAL POINT OF INTERSECTION.....	SPI
SPIRAL TO TANGENT.....	ST
SQUARE.....	SQ
SQUARE FEET.....	FT2 or SQ FT
SQUARE METERS.....	M2
SQUARE YARDS.....	YD2 or SQ YD
STAKE.....	STK
STANDARD.....	STD
STANDARD DRAWING.....	STD-DWG
STANDARD STRENGTH.....	STD STR

STATION.....	STA
STATION & ELEVATION.....	S/E
STATION & OFFSET.....	SO
STOPPING SIGHT DISTANCE.....	SSD
STREET.....	STA
STRUCTURE.....	STR
SUB-GRADE.....	SG
SUPERELEVATION.....	SE, se or e
SURVEY.....	SRV
SYMMETRICAL.....	SYM
TANGENT.....	TAN
TANGENT LENGTH (CURVE DATA).....	TAN
TANGENT TO SPIRAL.....	TS
TEMPORARY.....	TEMP
TEMPORARY BENCH MARK.....	TBM
THROAT.....	TH
TOWNSHIP.....	TSHP
TRIPLE.....	TR
TRIPLE BARREL CULVERT.....	CT
TURN OUT.....	TO
TURNING POINT.....	TP
TYPE.....	TY
UNIT.....	U
UNKNOWN.....	UNK
UNPAVED.....	UNPVD
VALLEY GUTTER.....	VG
VARIABLE.....	VAR
VERTICAL.....	VERT
VERTICAL CURVE.....	VC
VERTICAL POINT OF CURVATURE.....	PVC
VERTICAL POINT OF INTERSECTION.....	PVI
VERTICAL POINT OF TANGENCY.....	PVT
VITRIFIED.....	VIT
VOLUME.....	VOL
WEST.....	W
WEST BOUND ROADWAY.....	WBR
WING WALL.....	WW
WITNESS CORNER.....	WC
WOOD.....	WD
WORKING POINT.....	WP
WOVEN WIRE.....	W/W
YARD.....	YD

PROPERTY

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

STRUCTURES

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

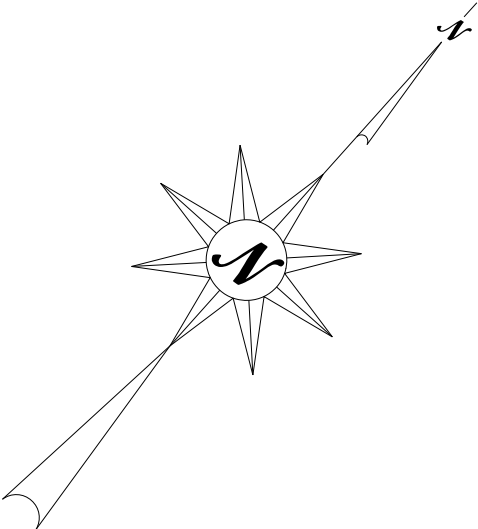
UTILITIES

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

 SHELBY COUNTY HIGHWAY DEPARTMENT	REVISIONS:	PLAN SUBMITTAL	PLANS PREPARED BY:		SHEET TITLE	ROUTE
		100%	BARGE DESIGN SOLUTIONS		PLANS ABBREVIATIONS SHEET	LIBERTY RD

PRIMARY SURVEY CONTROL & GEOMETRIC LAYOUT SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	1D



Alignment Name: CL Liberty Rd

Element: Linear		Station	Northing	Easting
(POB)		100+00.00	1214249.294	2236211.531
(PC)		100+64.77	1214297.97	2236254.268
Tangential Direction:	N41°16'56.847"E			
Tangential Length:	64.775			

C1

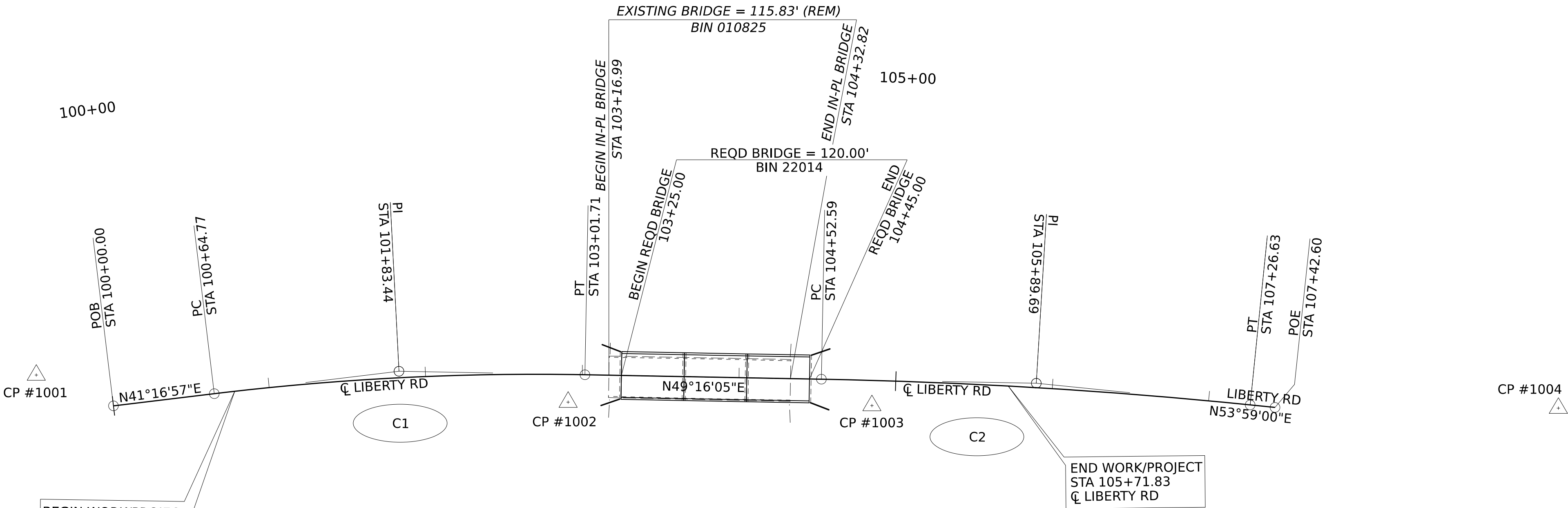
Element: Circular	(PC)	100+64.77	1214297.97	2236254.268
	(PI)	101+83.44	1214387.14	2236332.557
	(CC)		1213176.358	2237531.76
	(PT)	103+01.71	1214464.569	2236422.475
	Radius:	1700		
	Delta:	07°59'08.168" Right		
Degree of Curvature (Arc):	03°22'13.224"			
Length:	236.938			
Design Speed:	35 MPH			
SE:	NC			
Tangent:	118.661			
Chord:	236.746			
Middle Ordinate:	4.126			
External:	4.136			
Back Tangent Direction:	N41°16'56.847"E			
Back Radial Direction:	S48°43'03.153"E			
Chord Direction:	N45°16'30.932"E			
Ahead Radial Direction:	S40°43'54.984"E			
Ahead Tangent Direction:	N49°16'05.016"E			

Element: Linear	(PT)	103+01.71	1214464.569	2236422.475
	(PC)	104+52.59	1214563.017	2236536.803
Tangential Direction:	N49°16'05.016"E			
Tangential Length:	150.874			

C2

Element: Circular	(PC)	104+52.59	1214563.017	2236536.803
	(PI)	105+89.69	1214652.479	2236640.694
	(CC)		1212039.641	2238709.697
	(PT)	107+26.63	1214733.097	2236751.588
	Radius:	3330		
	Delta:	04°42'54.920" Right		
Degree of Curvature (Arc):	01°43'14.138"			
Length:	274.048			
Design Speed:	35 MPH			
SE:	NC			
Tangent:	137.101			
Chord:	273.971			
Middle Ordinate:	2.819			
External:	2.821			
Back Tangent Direction:	N49°16'05.016"E			
Back Radial Direction:	S40°43'54.984"E			
Chord Direction:	N51°37'32.475"E			
Ahead Radial Direction:	S36°01'00.065"E			
Ahead Tangent Direction:	N53°58'59.935"E			

Element: Linear	(PT)	107+26.63	1214733.097	2236751.588
	(POE)	107+42.60	1214742.487	2236764.504
Tangential Direction:	N53°58'59.935"E			
Tangential Length:	15.969			



NOTE: POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM AL83/2011-WF ALABAMA STATE PLANE WEST ZONE, VERTICAL DATUM-NAVD 88, AND US SURVEY FOOT UNIT OF MEASURE. A COMBINED AVERAGE SCALE FACTOR OF 1.00000176 HAS BEEN CALCULATED USING THIS DATUM.

BENCHMARKS AND CONTROL POINTS					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION
CP-1001			1214231.140	2236161.740	481.57'
CP-1002	CL LIBERTY RD STA 102+91.20	17.63' RT	1214457.682	2236414.528	478.93'
CP-1003	CL LIBERTY RD STA 104+85.27	16.06' RT	1214584.031	2236561.673	479.80'
CP-1004			1214862.610	2236899.520	495.31

NOTE: ALL CONTROL POINTS ARE 1/2" REBAR WITH CAP STAMPED SSMC TRAV POINT.



SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

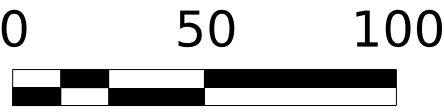
PLAN
SUBMITTAL

PLANS PREPARED BY:

100%

BARGE DESIGN SOLUTIONS

SCALE
(FEET)



SHEET TITLE

PRIMARY SURVEY CONTROL
& GEOMETRIC LAYOUT SHEET

ROUTE

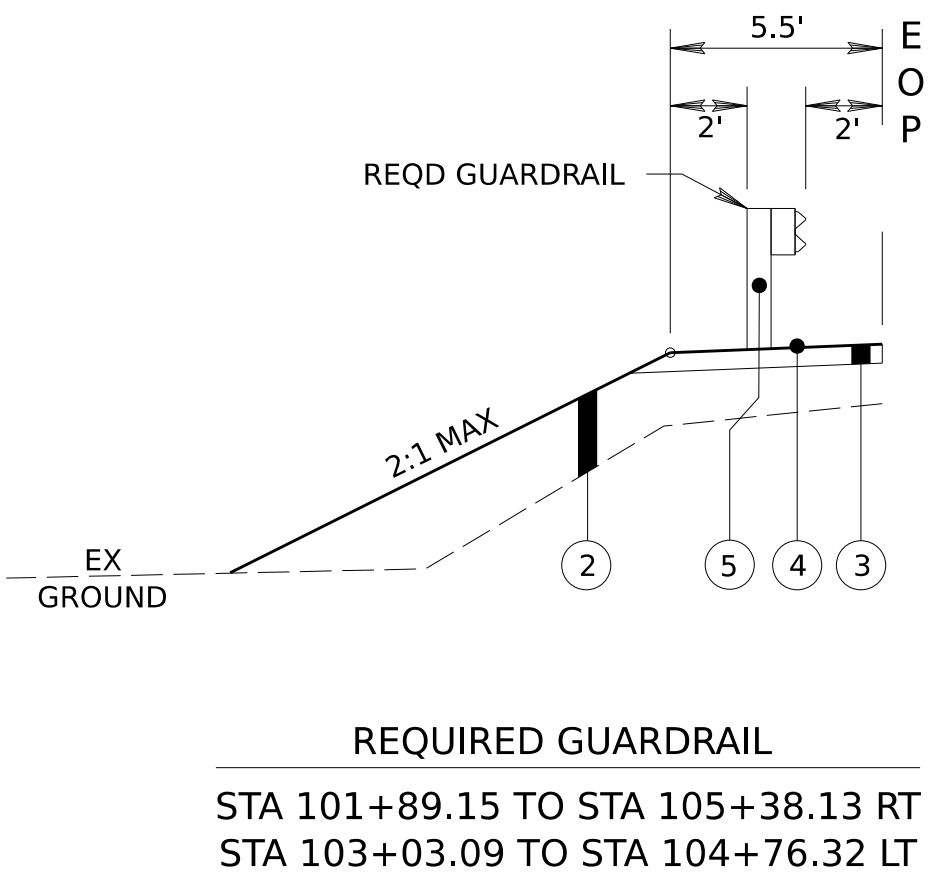
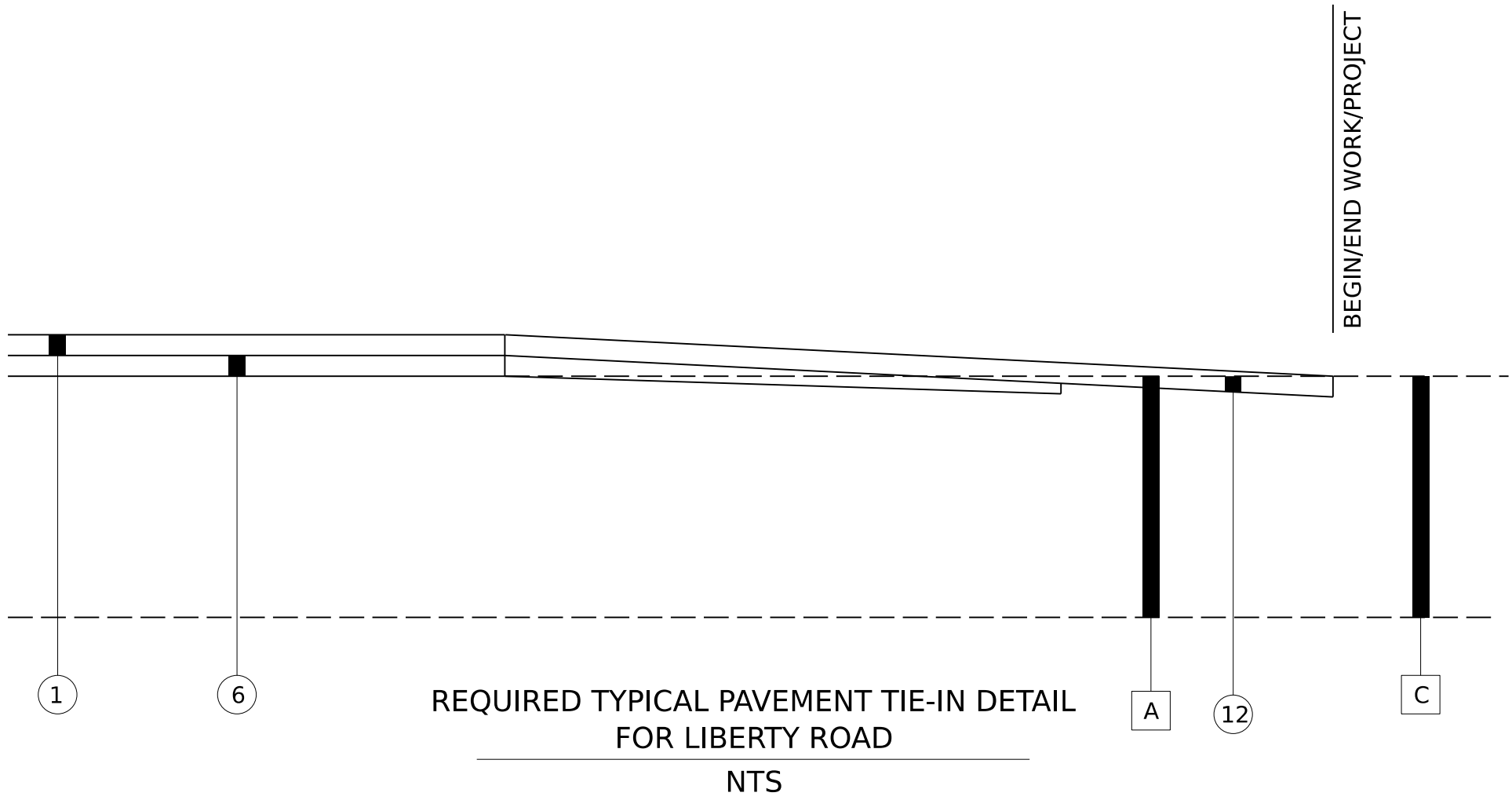
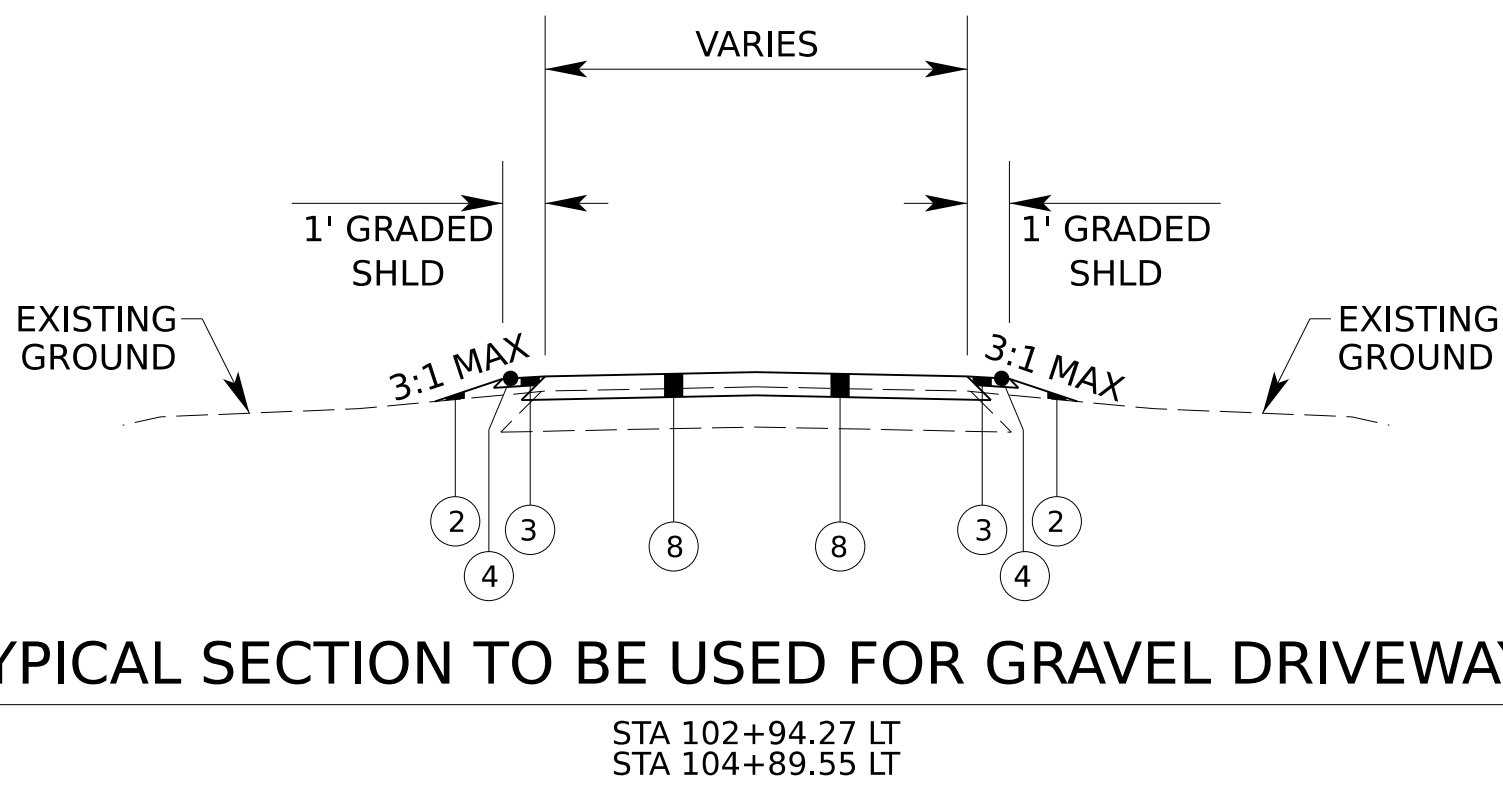
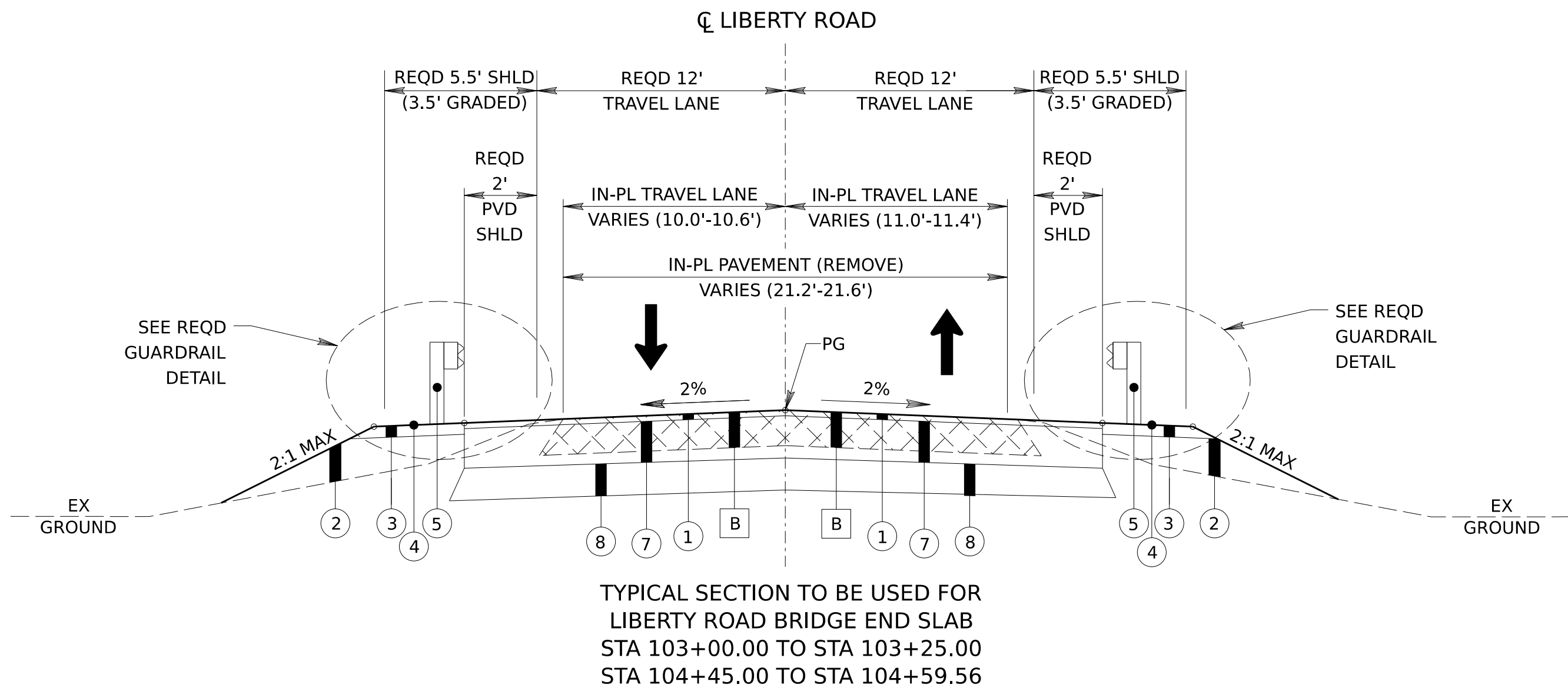
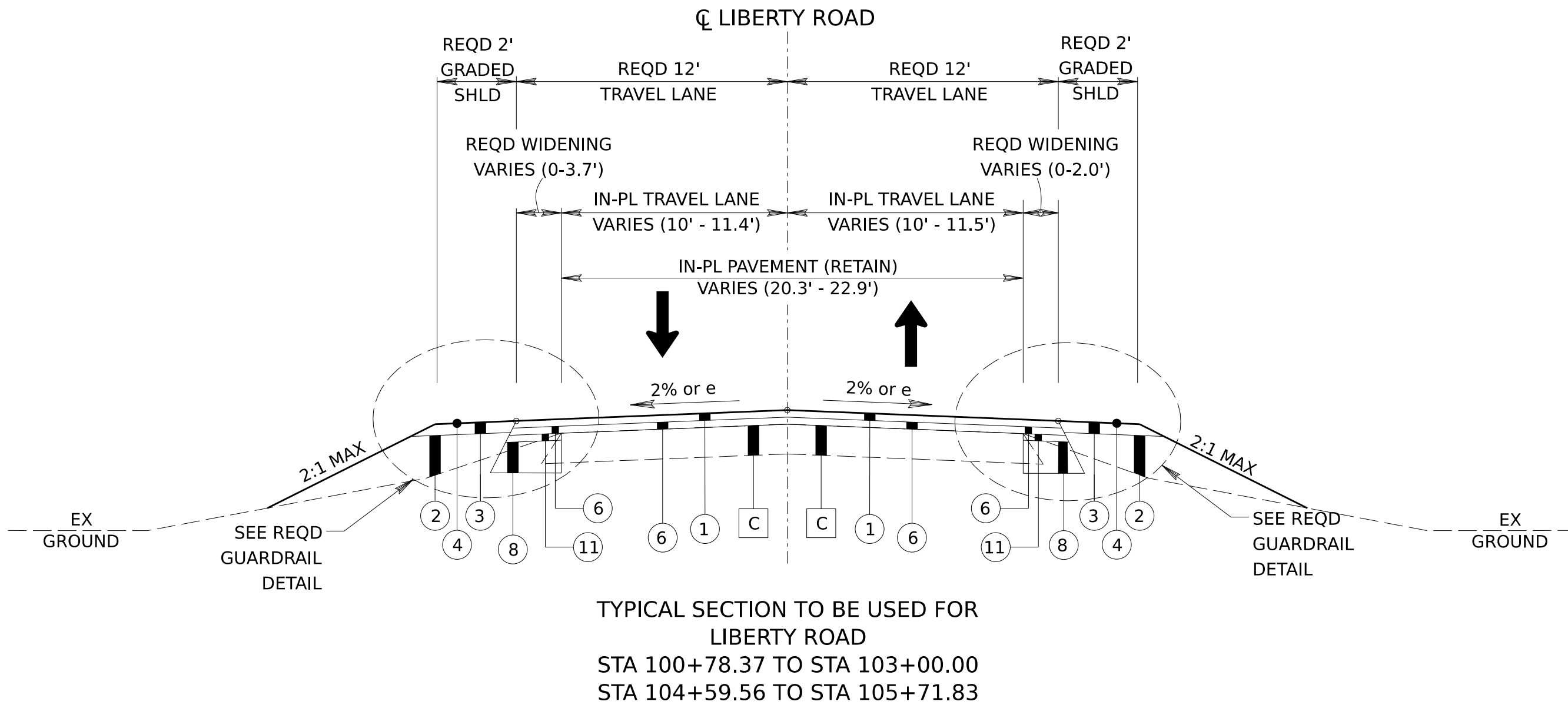
LIBERTY
RD

\$USER NAMES\$ \$FILES\$
\$TIMES\$
\$DATES\$

TYPICAL SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	2

PROJECT NOTES
200



REQUIRED MATERIALS LEGEND		
LEGEND #	ITEM #	ITEM DESCRIPTION
①	424A-340	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (APP 140 LBS/SQ YD)
②	210A-000 210D-001	UNCLASSIFIED EXCAVATION AND/OR BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
③	650A-000	TOPSOIL (4" THICK)
④	654A-001	SOLID SODDING (BERMUDA)
⑤	630A-001	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2
⑥	424B-643	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (APP 82-1800 LBS/SQ YD)
⑦	450B-000	REINFORCED CEMENT CONCRETE BRIDGE END SLAB
⑧	301A-012	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS
⑪	424B-676	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, WIDENING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B (APP 250 LBS/SQ YD)
⑫	408A-052	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.0" THICK)

EXISTING MATERIALS LEGEND	
LEGEND	ITEM DESCRIPTION
A	IN-PL BITUMINOUS PAVEMENT (PLANE, RETAIN, & OVERLAY)
B	IN-PL BITUMINOUS PAVEMENT (REMOVE)
C	IN-PL BITUMINOUS PAVEMENT (RETAIN)



SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

PLAN
SUBMITTAL

100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS

SHEET TITLE

TYPICAL SECTIONS

ROUTE

LIBERTY
RD

\$USER NAMES\$ \$FILES\$
\$TIMES\$

PROJECT NOTES SHEET						REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
						SCP 59-959-24	2026	2A
<u>NOTE NO.</u>	<u>NOTES</u>	<u>NOTE NO.</u>	<u>NOTES</u>	<u>NOTE NO.</u>	<u>NOTES</u>			
200	ROADBED PROCESSING IS WAIVED. THE SUBGRADE SHALL BE COMPACTED TO 100% DENSITY OF AASHTO T-99 OR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK WILL BE A SUBSIDIARY OBLIGATION OF THE OVERLYING LAYER.	300	ITEMS TO BE REMOVED THAT ARE NOT SPECIFICALLY MENTIONED BY NOTE TO BE INCLUDED IN OTHER ITEMS OF WORK SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS FOR EXTRA WORK IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS.	800	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS OF ANY NATURE AND/OR ELECTRICAL/COMMUNICATIONS CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES. UTILITY LINE LOCATE REQUESTS WILL BE LIMITED TO INCREMENTS NOT TO EXCEED 2000 LINEAR FEET PER WORKING DAY OPERATION. MULTIPLE LOCATE REQUESTS WILL BE REQUIRED FOR PROJECTS GREATER THAN 2000 LINEAR FEET IN LENGTH.			
		301	FOR THE CONSTRUCTION OF ALL STABILIZED CONSTRUCTION ENTRANCES SHOWN ON THE PLANS, PAY ITEM 665N-003, TEMPORARY COARSE AGGREGATE, ALDOT NO. 2, SHALL BE USED. THE LOCATION OF THE ENTRANCES SHALL BE DETERMINED BY THE ENGINEER.					
		400	THE RIGHT OF WAY AND ENVIRONMENTAL CLEARED LIMITS ARE CONGRUENT THROUGHOUT THE PROJECT UNLESS OTHERWISE NOTED OR SHOWN ON THE PLANS.	900	A NOTICE OF INTENT FOR NPDES PERMIT IS NOT REQUIRED FOR THIS PROJECT.			
		401	NOTIFY THE COUNTY ONE WEEK PRIOR TO THE INSTALLATION OF THE DETOUR. THE COUNTY MAY LOCATE, INSTALL, AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGNS FOR A PERIOD OF TIME TO BE DETERMINED BY THE COUNTY ENGINEER.	901	THE BRIDGE WITHIN THE PROJECT AREA MAY PROVIDE HABITAT FOR THREATENED AND ENDANGERED BAT SPECIES. ACTIVITIES THAT MAY DISTURB THIS HABITAT MUST BE PERFORMED BETWEEN OCTOBER 15 AND MARCH 31. IF SUCH ACTIVITIES CANNOT BE PERFORMED IN SAID TIME FRAME, THE CONTRACTOR MUST PROVIDE A CURRENT SPECIES SURVEY CONDUCTED BETWEEN MAY 15 AND AUGUST 15 IN ACCORDANCE WITH CURRENT USFS RANGE-WIDE INDIANA BAT AND NORTHERN LONG-EARED BAT SURVEY GUIDELINES AND AN ACCEPTABLE WORK PLAN APPROVED BY SHELBY COUNTY. ANY COSTS ASSOCIATED WITH THE SURVEY, PLAN DEVELOPMENT, OR ALTERATIONS TO WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY. IN LIEU OF A BRIDGE SURVEY, THE CONTRACTOR MAY INSTALL A BAT EXCLUSION DEVICE PRIOR TO MARCH 31. AN EXCLUSION DEVICE ACCEPTABLE TO THE USFS IS A NET MADE OF STURDY PLASTIC WITH 1/4" OPENINGS AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. THE EXCLUSIONARY DEVICE SHALL BE MECHANICALLY ATTACHED AND WRAP THE UNDERSIDE OF THE BRIDGE FROM THE OUTSIDE OF THE BARRIER RAIL TO THE BOTTOM OF THE GIRDERS AND BACK UP TO THE OPPOSITE SIDE OF THE BRIDGE RAIL AND BE PULLED TIGHTLY SO THERE IS LITTLE IMPACT TO THE BRIDGE CLEARANCE. IT SHALL ALSO WRAP THE BRIDGE BACKWALLS, BENT CAPS, AND ANY OTHER OPENINGS, SO THERE IS NO OPENING AVAILABLE TO ESTABLISH HABITAT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR REVIEW OF THE DEVICE APPLICATION NO LESS THAN 2 WEEKS IN ADVANCE OF THE MARCH 31 DEADLINE, SO ANY RECOMMENDED REVISIONS CAN BE CORRECTED BY THE CONTRACTOR PRIOR TO MARCH 31. THERE WILL BE NO SEPARATE PAY FOR THE EXCLUSIONARY DEVICE BUT WILL BE A SUBSIDIARY OBLIGATION OF THE ACTIVITY. PLEASE CONTACT SHELBY COUNTY FOR MORE INFORMATION.			
				902	OMIT			
				903	OMIT			
				904	OMIT			
				905	OMIT			
				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.			

\$TIME\$

\$DATE\$

TRAFFIC CONTROL PLAN NOTES SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	2B

○ 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 ALDOT. (SEE SKETCH ON SHEET 24)
- 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 ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B.
- 705

DURING ALL PHASES OF WORK, NON-APPLICABLE PAVEMENT STRIPING OR MARKINGS SHALL BE REMOVED AND APPROPRIATE PAVEMENT STRIPING OR MARKINGS SHALL BE PLACED AS EXPEDITIOUSLY AS PRACTICAL, BUT IN ALL CASES, SHALL BE IN PLACE BY NIGHTFALL ON ANY ROADWAY CARRYING TRAFFIC, EXCEPT ON SHORT TERM OPERATIONS WHERE IT IS DETERMINED BY THE ENGINEER, THAT SUCH REMOVAL AND REPLACEMENT IS MORE HAZARDOUS THAN LEAVING EXISTING MARKINGS IN PLACE. COST OF ANY REMOVAL SHALL BE PAID FOR UNDER ITEM 701D OR AS A SUBSIDIARY OBLIGATION OF ITEM 701C.
- 706

OMITTED
- 707

THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACED IN ORDER, IN THE DIRECTION OF TRAFFIC AND REMOVED IN REVERSE ORDER.
- 708

ALL VEHICLES, EQUIPMENT, PERSONNEL (EXCEPT FLAGGERS), AND THEIR ACTIVITIES, ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- 709

THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS TO BUSINESSES AND RESIDENCES DURING ALL PHASES OF CONSTRUCTION.
- 710

CONSTRUCTION SIGNS MOUNTED ON TEMPORARY SUPPORTS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5 FEET.
- 711

FLAGGERS SHALL BE PROPERLY ATTIRED, EQUIPPED WITH STAFF MOUNTED STOP/SLOW PADDLES IN SIGHT OF EACH OTHER, OR HAVE DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATION LOCATION MAY BE VARIED FROM THOSE SHOWN BASED ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.
- 712

FLAGGERS 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 REGION 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 ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.

 <div>SHELBY COUNTY HIGHWAY DEPARTMENT</div>	REVISIONS:	PLAN SUBMITTAL	PLANS PREPARED BY:		SHEET TITLE	ROUTE
		100%	BARGE DESIGN SOLUTIONS		TRAFFIC CONTROL PLAN NOTES SHEET	LIBERTY RD

\$USER NAMES\$ \$FILES\$ \$TIMES\$

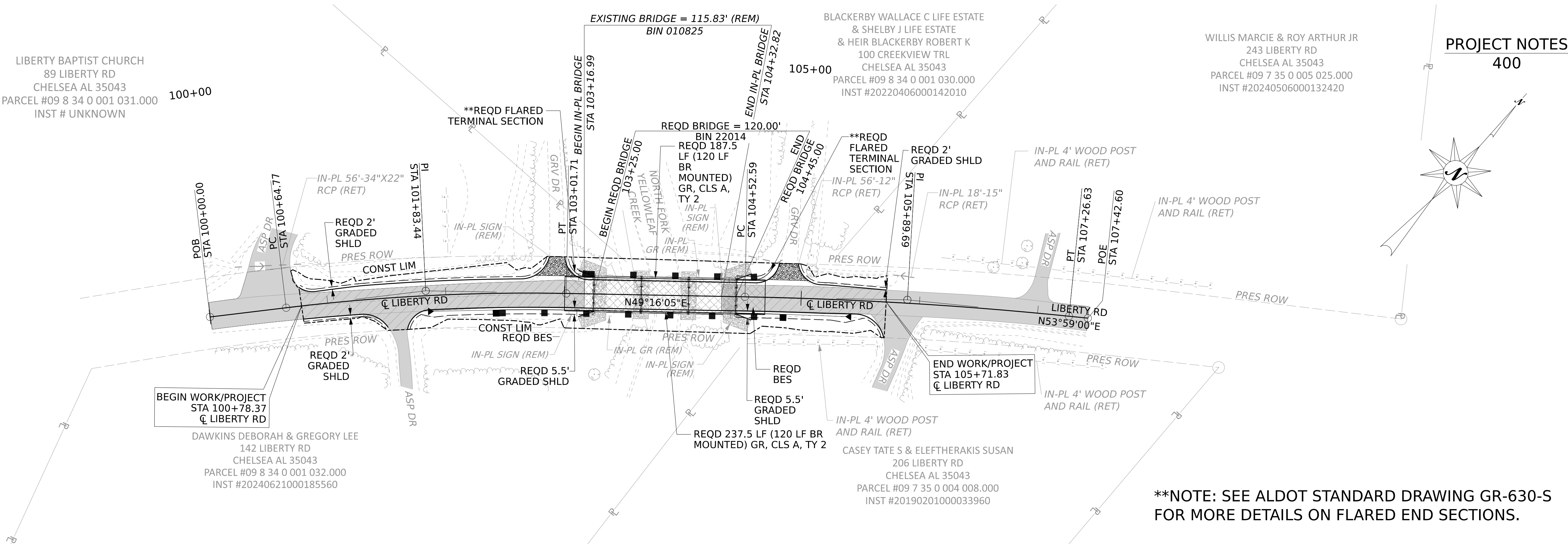
SUMMARY OF QUANTITIES SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	3

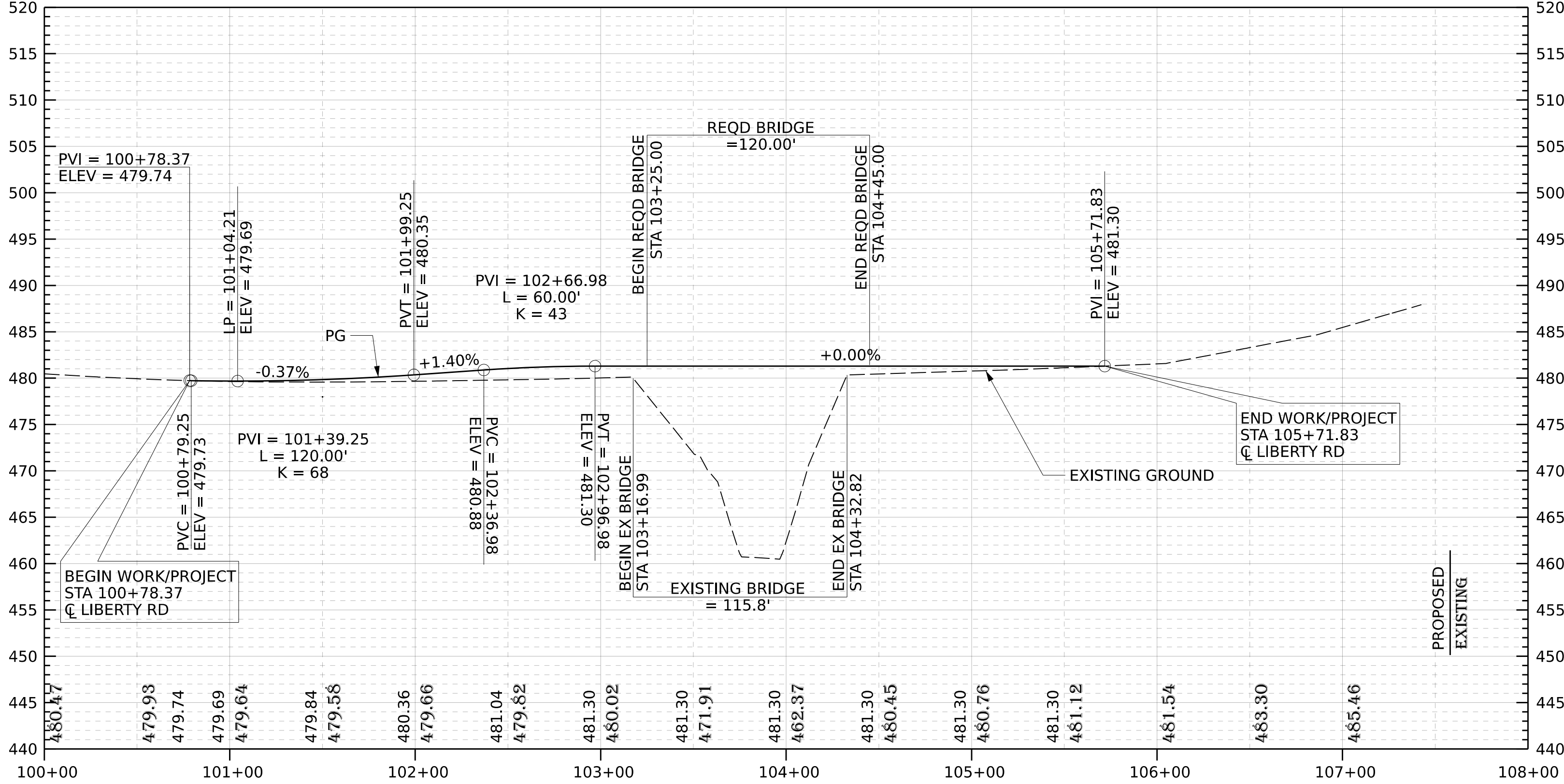
ROADWAY	BRIDGE	QUANTITY	ITEM NUMBER	UNIT	DESCRIPTION	PROJ ECT NOTES
1		1	201A-002	LUMP SUM	CLEARING AND GRUBBING (MAXIMUM ALLOWABLE BID \$8,000.00 PER ACRE) (APPROXIMATELY 1 ACRE)	
	1	1	206A-000	LUMP SUM	REMOVAL OF OLD BRIDGE, STATION 103+16.99	
251		251	206D-001	LIN FT	REMOVING GUARDRAIL	
530		530	210A-000	CU YD	UNCLASSIFIED EXCAVATION	
453		453	210D-001	CU YD	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)	
383		383	301A-012	SQ YD	CRUSHED AGGREGATE BASE COURSE, TYPE B, PLANT MIXED, 6" COMPACTED THICKNESS	
100		100	305B-071	TON	COARSE AGGREGATE, SECTION 801, FOR MISCELLANEOUS USE	
174		174	405A-000	GALLON	TACK COAT	
210		210	408A-052	SQ YD	PLANING EXISTING PAVEMENT (APPROXIMATELY 1.10" THRU 2.00" THICK)	
77		77	424A-340	TON	SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 1/2" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	
271		271	424B-643	TON	SUPERPAVE BITUMINOUS CONCRETE UPPER BINDER LAYER, LEVELING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	
17		17	424B-676	TON	SUPERPAVE BITUMINOUS CONCRETE LOWER BINDER LAYER, WIDENING, 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE A/B	
	164	164	450B-000	SQ YD	REINFORCED CEMENT CONCRETE BRIDGE END SLAB	
	1	1	502B-000	LUMP SUM	STEEL REINFORCEMENT FOR BRIDGE SUPERSTRUCTURE, APPROXIMATELY 5,110 LBS	
	24	24	505G-003	EACH	PILE POINTS (TYPE A, 12")	
	10	10	505G-004	EACH	PILE POINTS (TYPE A, 14")	
	580	580	505M-002	LIN FT	STEEL PILING FURNISHED AND DRIVEN (HP12X53)	
	360	360	505M-004	LIN FT	STEEL PILING FURNISHED AND DRIVEN (HP14X73)	
	2	2	507A-000	EACH	WIRE ROPE ABUTMENT ANCHOR ASSEMBLY	
	2169	2169	508A-000	LB	STRUCTURAL STEEL	
	16	16	510A-007	CU YD	BRIDGE SUBSTRUCTURE CONCRETE	
	1	1	510C-051	LUMP SUM	BRIDGE CONCRETE SUPERSTRUCTURE, APPROXIMATELY 15.4 CU YDS	
	2	2	512A-015	EACH	PRECAST CONCRETE ABUTMENT CAPS, 2'-0" WIDE BY 1'-4 7/8" DEEP BY 33'-0" LONG (MODIFIED)	
	2	2	512B-010	EACH	PRECAST CONCRETE INTERMEDIATE BENT CAPS, 2'-0" WIDE BY 1'-9 1/16" DEEP BY 31'-6" LONG (MODIFIED)	
	18	18	512C-017	EACH	PRECAST CONCRETE TYPE 1 SPAN SECTION, 3'-6" BY 2'-0" DEEP BY 39'-11 3/4" LONG	
	6	6	512C-025	EACH	PRECAST CONCRETE TYPE 2C SPAN SECTION, 3'-6" BY 2'-0" DEEP BY 39'-11 3/4" LONG	
	8	8	512E-014	EACH	PRECAST CONCRETE ABUTMENT PANELS, TYPE A3, 7'-4" LONG	
	8	8	512E-016	EACH	PRECAST CONCRETE ABUTMENT PANELS, TYPE A4, 7'-4" LONG	
	4	4	512F-002	EACH	PRECAST CONCRETE WING PANELS, TYPE W3	
	4	4	512F-003	EACH	PRECAST CONCRETE WING PANELS, TYPE W4	
	4	4	512G-000	EACH	PRECAST CONCRETE ABUTMENT WING CAP PANELS	
1		1	600A-000	LUMP SUM	MOBILIZATION	
350		350	610C-001	TON	LOOSE RIPRAP, CLASS 2	
206		206	610D-003	SQ YD	FILTER BLANKET, GEOTEXTILE	
185		185	630A-001	LIN FT	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2	
	1	1	630A-100	LUMP SUM	STEEL BEAM GUARDRAIL (SPECIAL)	
2		2	630C-080	EACH	GUARDRAIL END ANCHOR, TYPE 20 SERIES (MASH)	
90		90	650A-000	CU YD	TOPSOIL	
1		1	652A-100	ACRE	SEEDING	
467		467	654A-001	SQ YD	SOLID SODDING (BERMUDA)	
1		1	656A-010	ACRE	MULCHING	
1		1	665A-000	ACRE	TEMPORARY SEEDING	
6		6	665B-001	TON	TEMPORARY MULCHING	
24		24	665C-010	LIN FT	TEMPORARY PIPE	
500		500	665E-000	SQ YD	POLYETHYLENE	
460		460	665F-000	EACH	HAY BALES	
2310		2310	665J -002	LIN FT	SILT FENCE	
100		100	665N-003	TON	TEMPORARY COARSE AGGREGATE, ALDOT NO. 2	301
2310		2310	665O-001	LIN FT	SILT FENCE REMOVAL	
1		1	666A-001	ACRE	PEST CONTROL	
750		750	674A-000	LIN FT	CONSTRUCTION SAFETY FENCE	
1		1	680A-001	LUMP SUM	GEOMETRIC CONTROLS	
1		1	698A-000	LUMP SUM	CONSTRUCTION FUEL (MAXIMUM BID LIMITED TO \$40,400)	
240		240	701G-146	LIN FT	SOLID WHITE, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	
240		240	701G-154	LIN FT	SOLID YELLOW, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)	
747		747	701G-253	LIN FT	SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	
747		747	701G-265	LIN FT	SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)	
15		15	705A-037	EACH	PAVEMENT MARKERS, CLASS A-H, TYPE 2-D	
186		186	740B-000	SQ FT	CONSTRUCTION SIGNS	
100		100	740E-000	EACH	CONES (36 INCHES HIGH)	
4		4	740F-002	EACH	BARRICADES, TYPE III	

PLAN AND PROFILE SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	4



LIBERTY RD



SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

PLAN SUBMITTAL
100%

PLANS PREPARED BY:
BARGE DESIGN SOLUTIONS

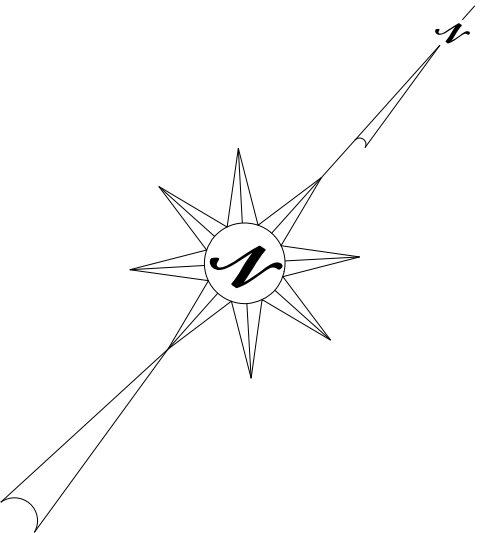
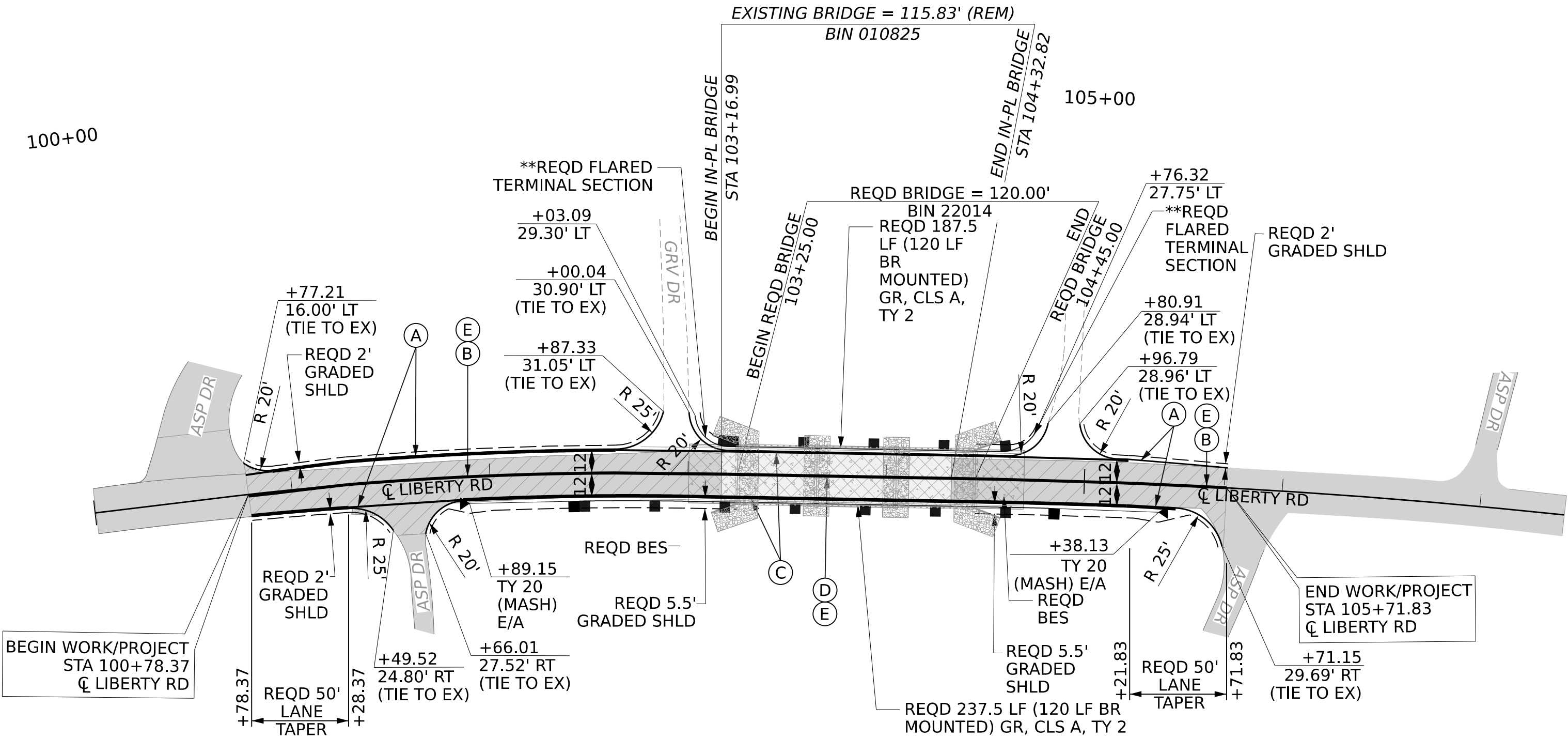


SHEET TITLE	ROUTE
PLAN AND PROFILE SHEET	LIBERTY RD

\$DATE\$ \$TIMES\$ \$USER NAMES\$ \$FILES\$

PAVING LAYOUT, SIGNING AND STRIPING SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	10



LEGEND

- (A) SOLID WHITE, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)
- (B) DOUBLE SOLID YELLOW, CLASS 2, TYPE A TRAFFIC STRIPE (5" WIDE)
- (C) SOLID WHITE, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)
- (D) DOUBLE SOLID YELLOW, CLASS W, TYPE A TRAFFIC STRIPE (5" WIDE)
- (E) PAVEMENT MARKERS, CLASS A-H, TYPE 2-D @ 40' OC

****NOTE: SEE ALDOT STANDARD DRAWING 63001 FOR
MORE DETAILS ON FLARED END SECTIONS.**



SHELBY COUNTY
HIGHWAY DEPARTMENT

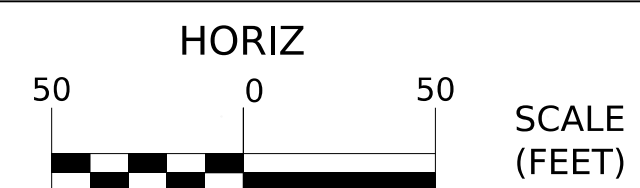
REVISIONS:

PLAN SUBMITTAL

100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS



SHEET TITLE

PAVING LAYOUT, SIGNING
AND STRIPING SHEET

ROUTE

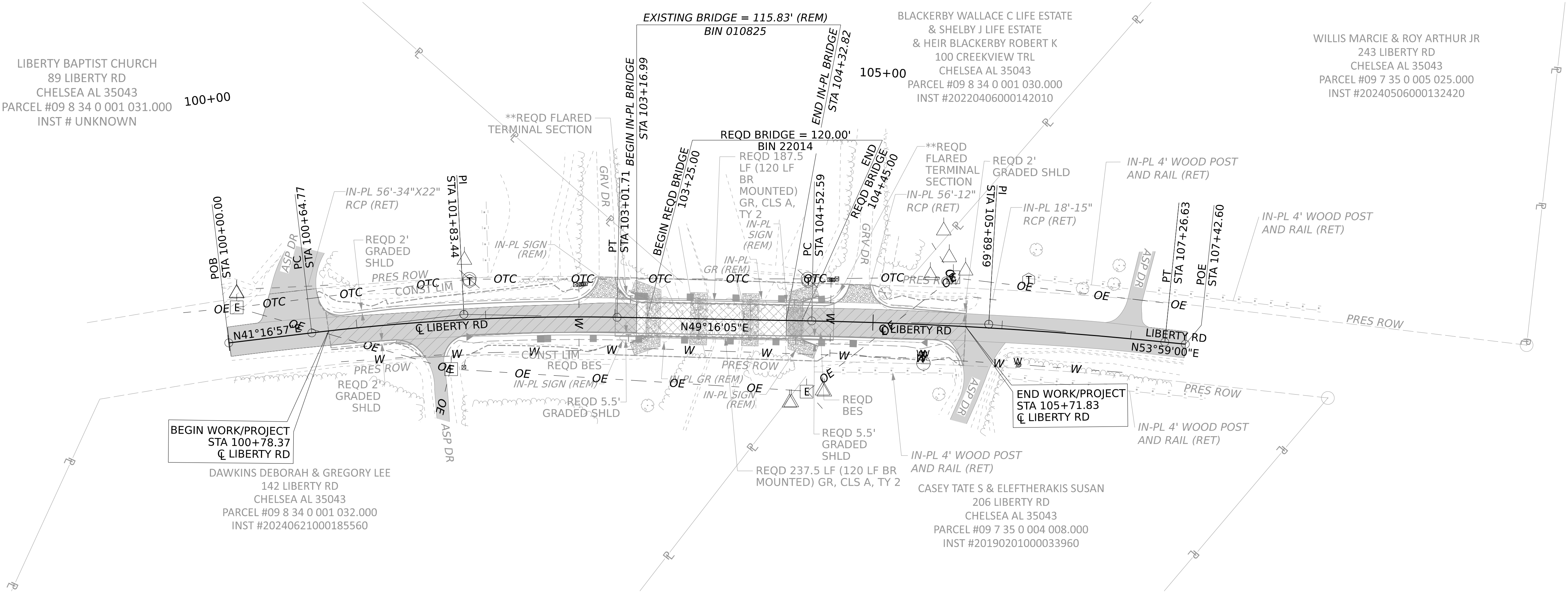
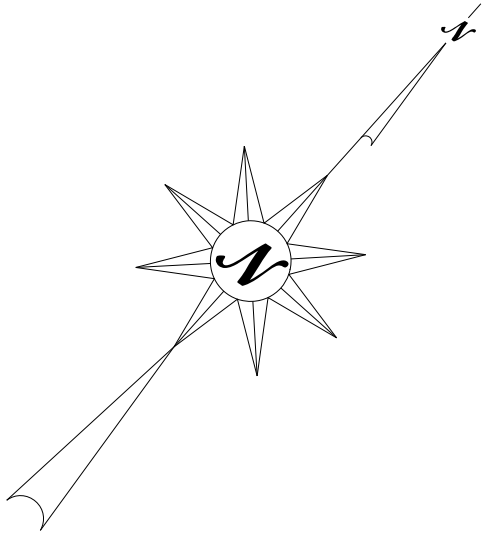
LIBERTY
RD DATE\$ |

\$DATE\$	\$TIME\$	\$USER NAMES\$	\$FILES\$
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UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	20

PROJECT NOTES
800



ALABAMA POWER (ELECTRIC)
Contact: Josh White
Office: N/A
Mobile: (205) 226-1551
Email: jrwhit@southernco.com

SPIRE (GAS)
Contact: Alyssa Thom
Office: N/A
Mobile: N/A
Email: alyssa.thom@spireenergy.com

SHELBY COUNTY WATER SERVICES
Contact: Phillip Crunk
Office: (205) 678-2818
Mobile: N/A
Email: pcrunk@shelbyal.com

AT&T (FIBER)
Contact: Jock Efferson
Office: (205) 746-3742
Mobile: N/A
Email: je1833@att.com

CHARTER (FIBER)
Contact: Sammy Clayton
Office: N/A
Mobile: (205) 718-2663
Email: sammy.clayton@charter.com

BEGIN WORK/PROJECT
STA 100+78.37
CL LIBERTY RD

DAWKINS DEBORAH & GREGORY LEE
142 LIBERTY RD
CHELSEA AL 35043
PARCEL #09 8 34 0 001 032.000
INST #20240621000185560

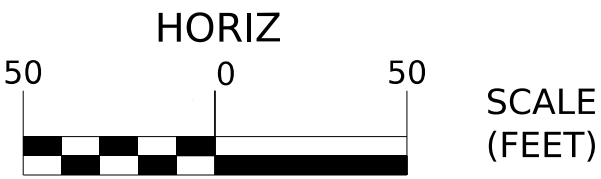
END WORK/PROJECT
STA 105+71.83
CL LIBERTY RD

CASEY TATE S & ELEFTHERAKIS SUSAN
206 LIBERTY RD
CHELSEA AL 35043
PARCEL #09 7 35 0 004 008.000
INST #20190201000033960



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SHEET TITLE	ROUTE
UTILITY PLAN SHEET	LIBERTY RD

\$DATE\$ \$TIMES\$ \$USER NAMES\$ \$FILES\$

TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	40

PHASE 1

- INSTALL ALL APPLICABLE TRAFFIC CONTROL DEVICES

PHASE 2

- INSTALL DETOUR SIGNS AND DETOUR EXISTING TRAFFIC
- REMOVE EXISTING BRIDGE
- CONSTRUCT THE REQUIRED BRIDGE
- CONSTRUCT REQUIRED OVERLAY AND WIDENING ON LIBERTY ROAD FROM STA 100+78.37 TO STA 103+00.00 AND STA 104+59.56 TO STA 105+71.83 THROUGH THE UPPER BINDER LAYER
- PLACE REQUIRED GUARDRAIL
- PLACE WEARING SURFACE
- PLACE TEMPORARY STRIPING AND PAVEMENT MARKERS

PHASE 3

- REMOVE DETOUR SIGNS AND OPEN LIBERTY ROAD TO TRAFFIC
- PLACE PERMANENT STRIPING AND PAVEMENT MARKERS
- COMPLETE ANY REMAINING WORK ITEMS

PHASE 4

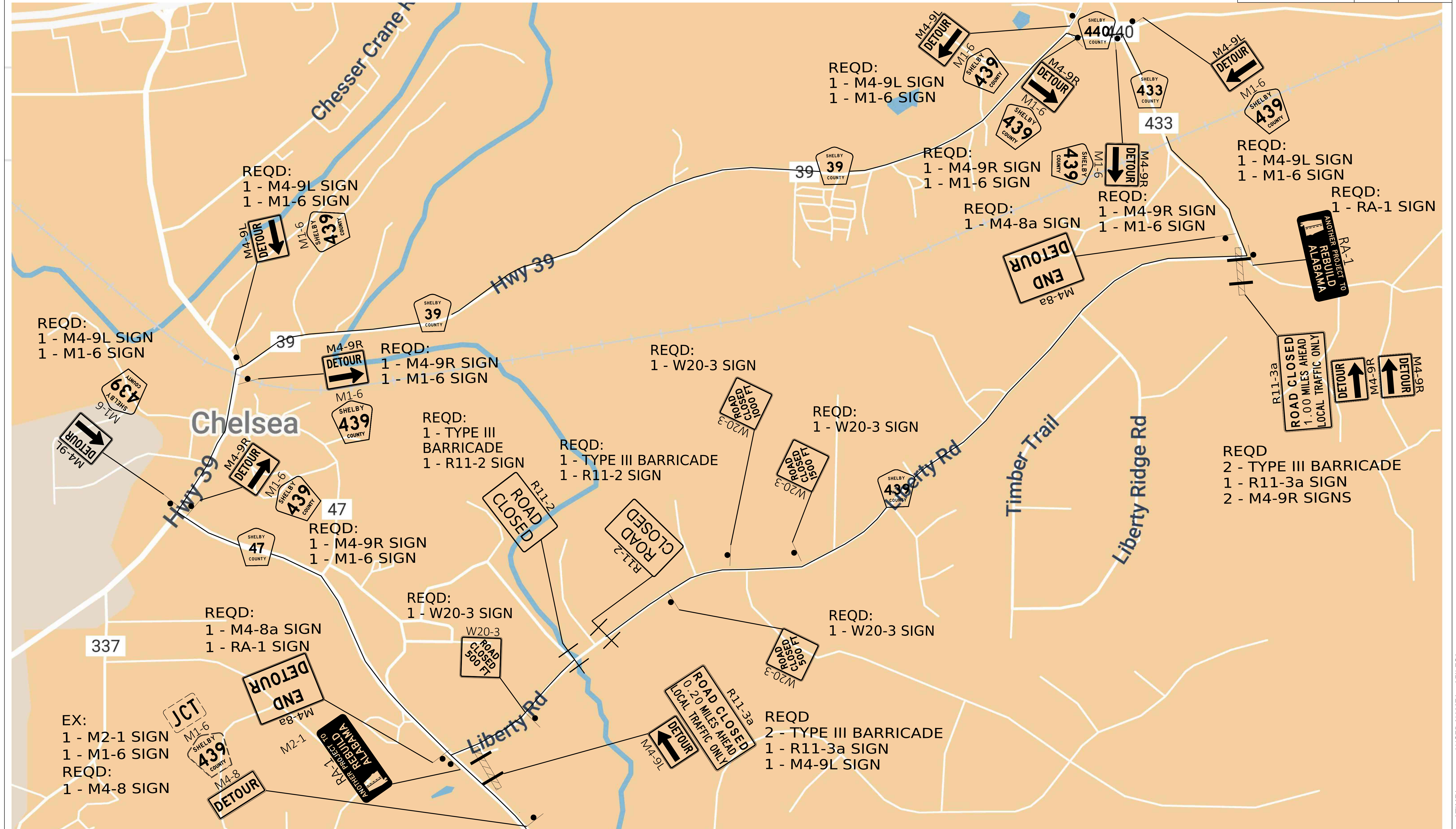
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES

 SHELBY COUNTY HIGHWAY DEPARTMENT	REVISIONS:	PLAN SUBMITTAL	PLANS PREPARED BY:		SHEET TITLE	ROUTE
		100%	BARGE DESIGN SOLUTIONS		TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION	LIBERTY ROAD

\$DATE\$ \$TIME\$ \$USER NAME\$ \$FILES\$

TEMPORARY TRAFFIC CONTROL PLAN - DETOUR

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	41



SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

PLAN SUBMITTAL

100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS

NOT TO SCALE

SHEET TITLE

TEMPORARY TRAFFIC CONTROL PLAN - DETOUR	L
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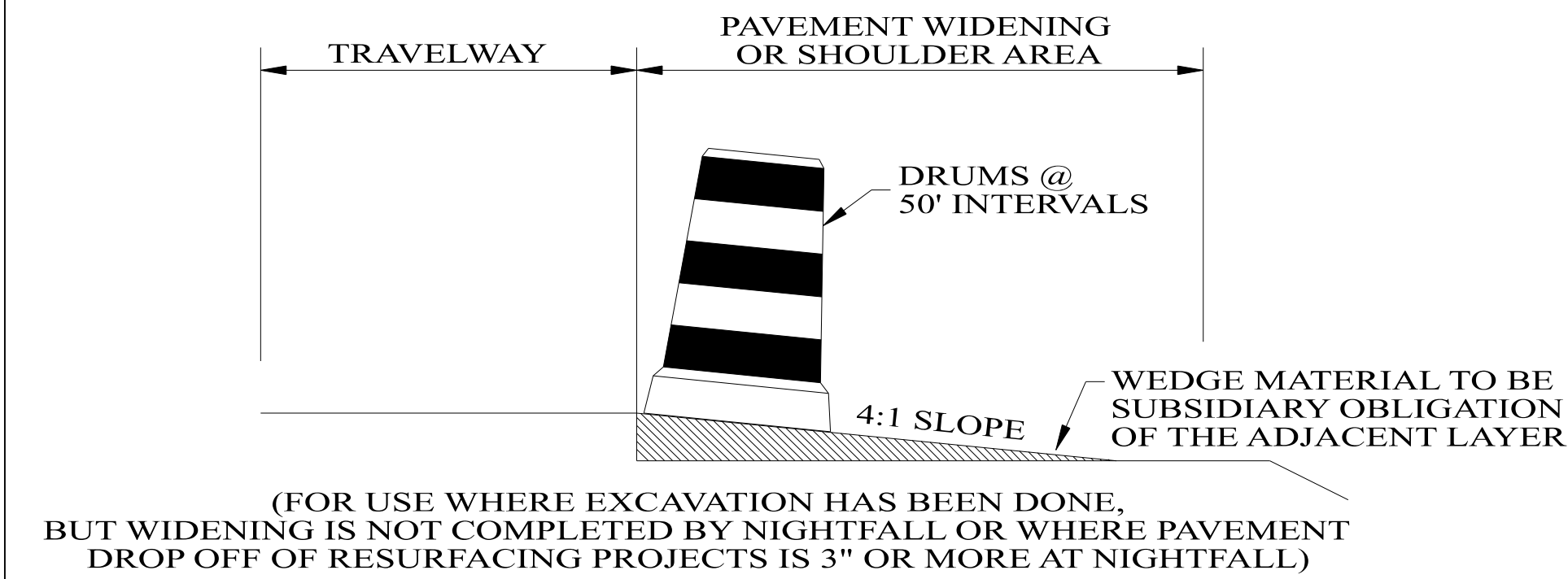
ROUTE

LIBERTY
ROAD

\$DATE\$	\$TIME\$	\$USER NAME\$	\$FILES\$
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TEMPORARY TRAFFIC CONTROL PLAN - DETAILS

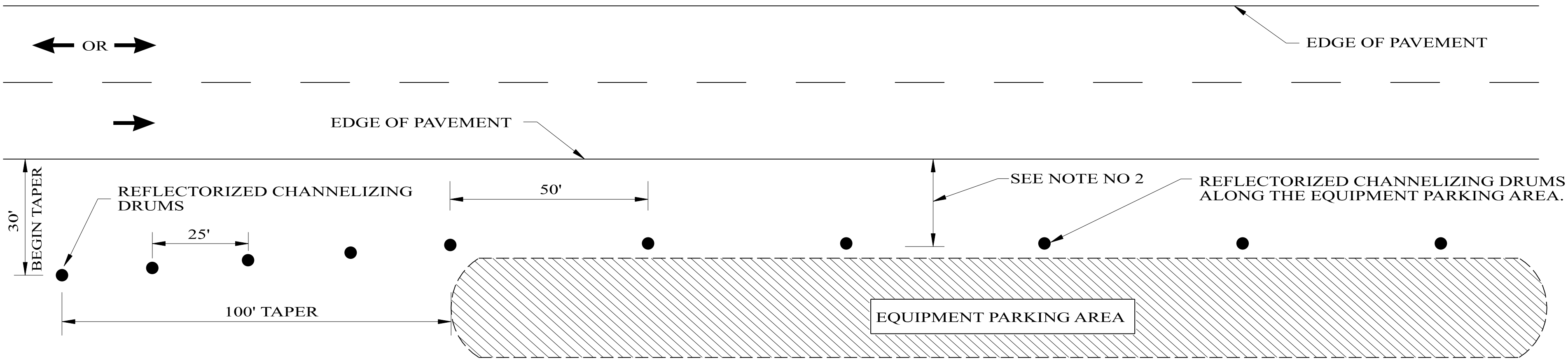
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

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.

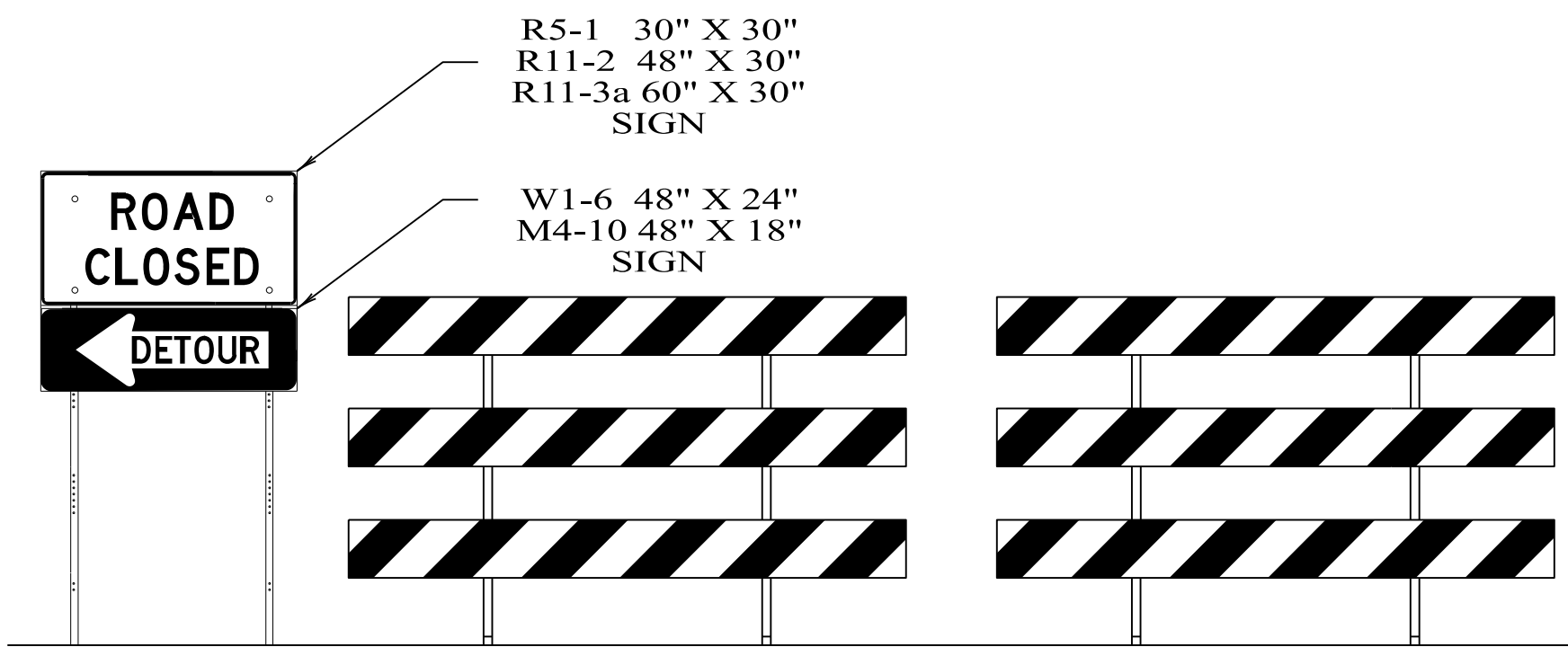
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.



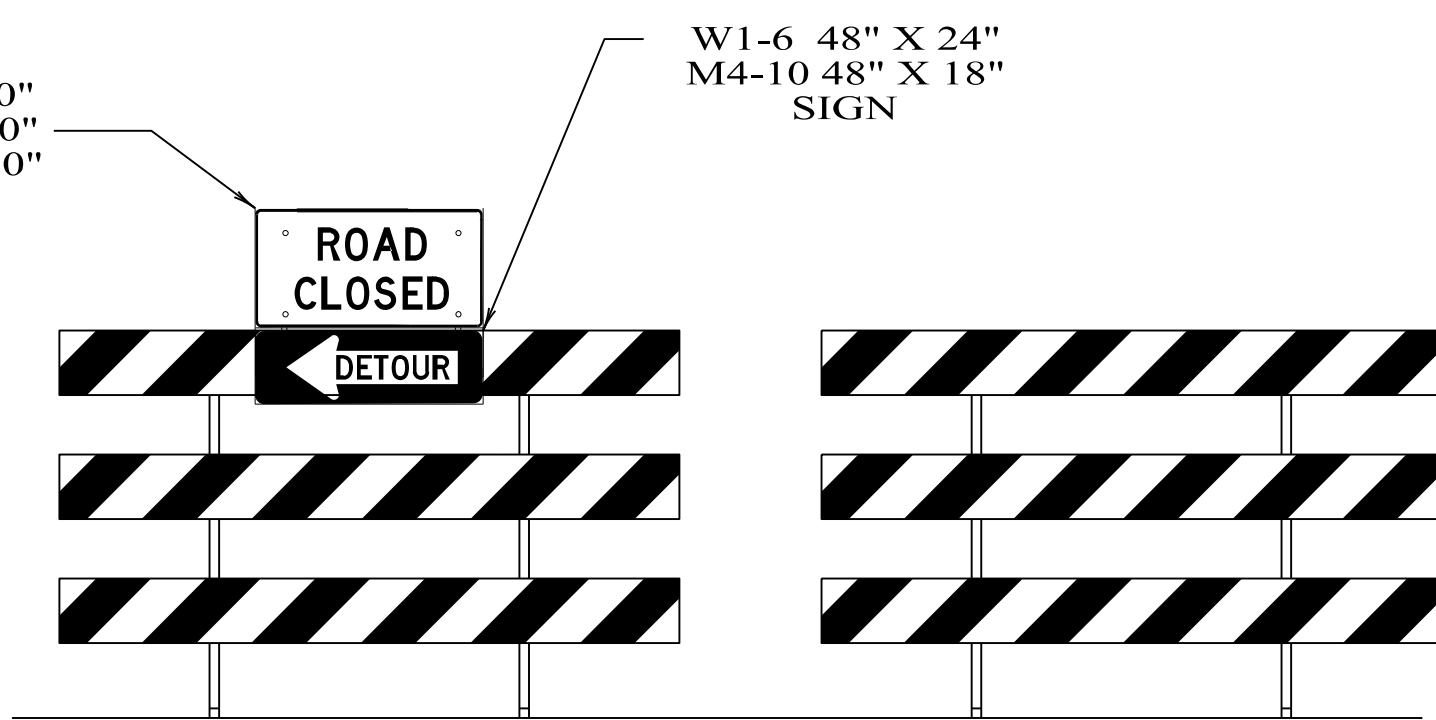
NOTES:

- 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



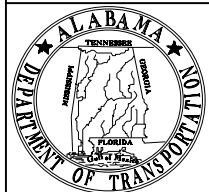
DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES INSIDE OF CLEAR ZONE



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

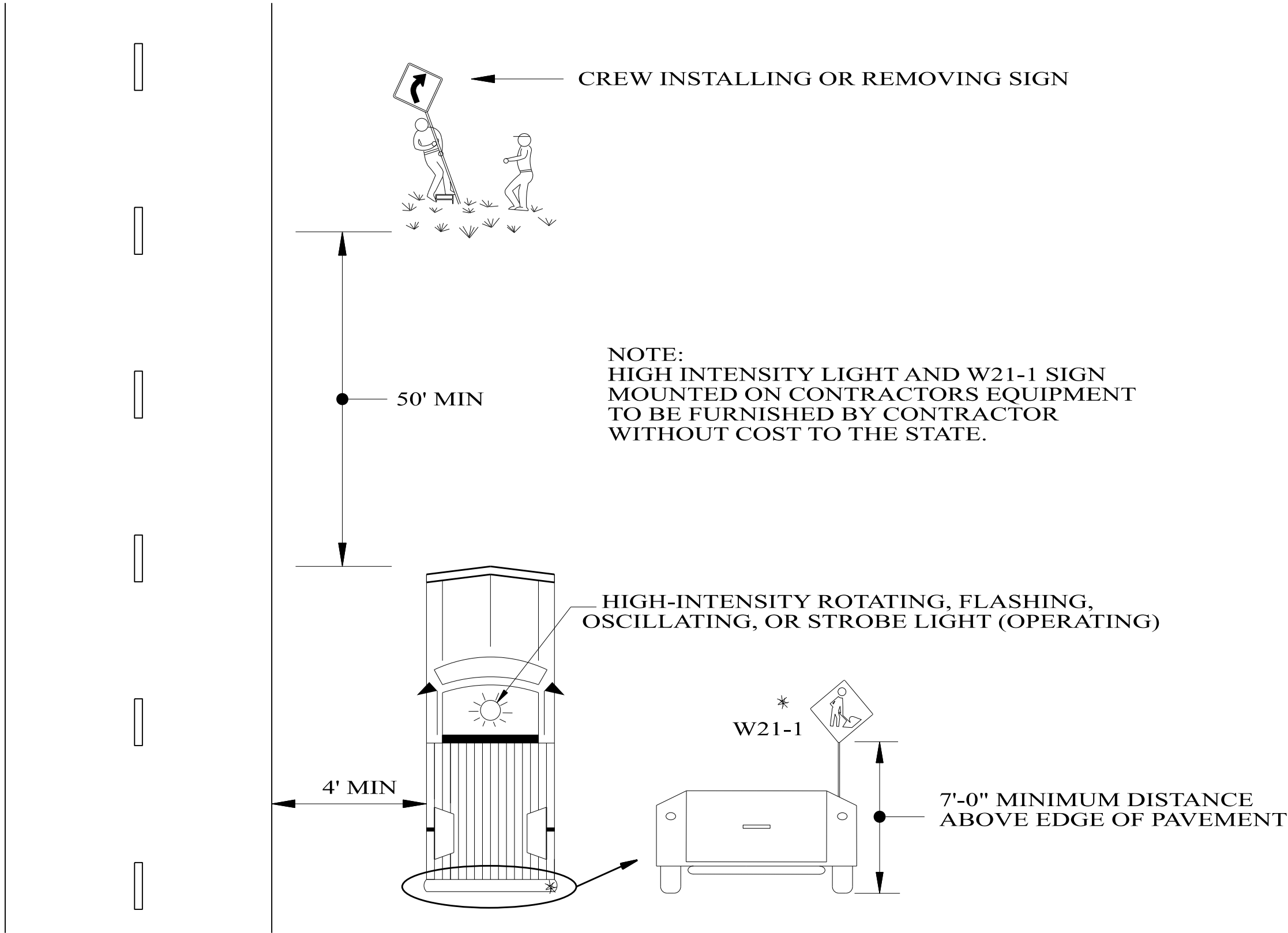
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--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2001

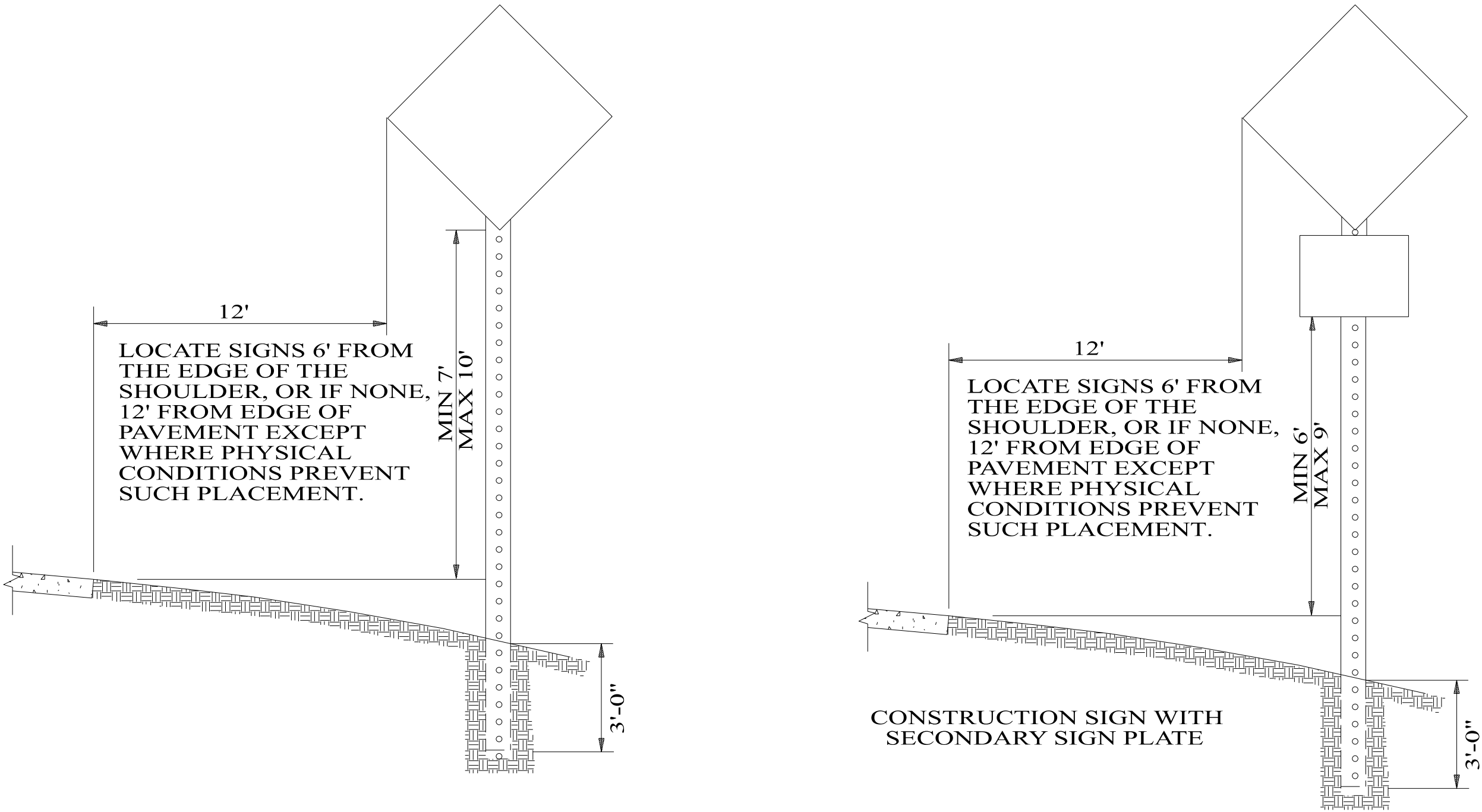
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TEMPORARY TRAFFIC CONTROL PLAN - DETAILS

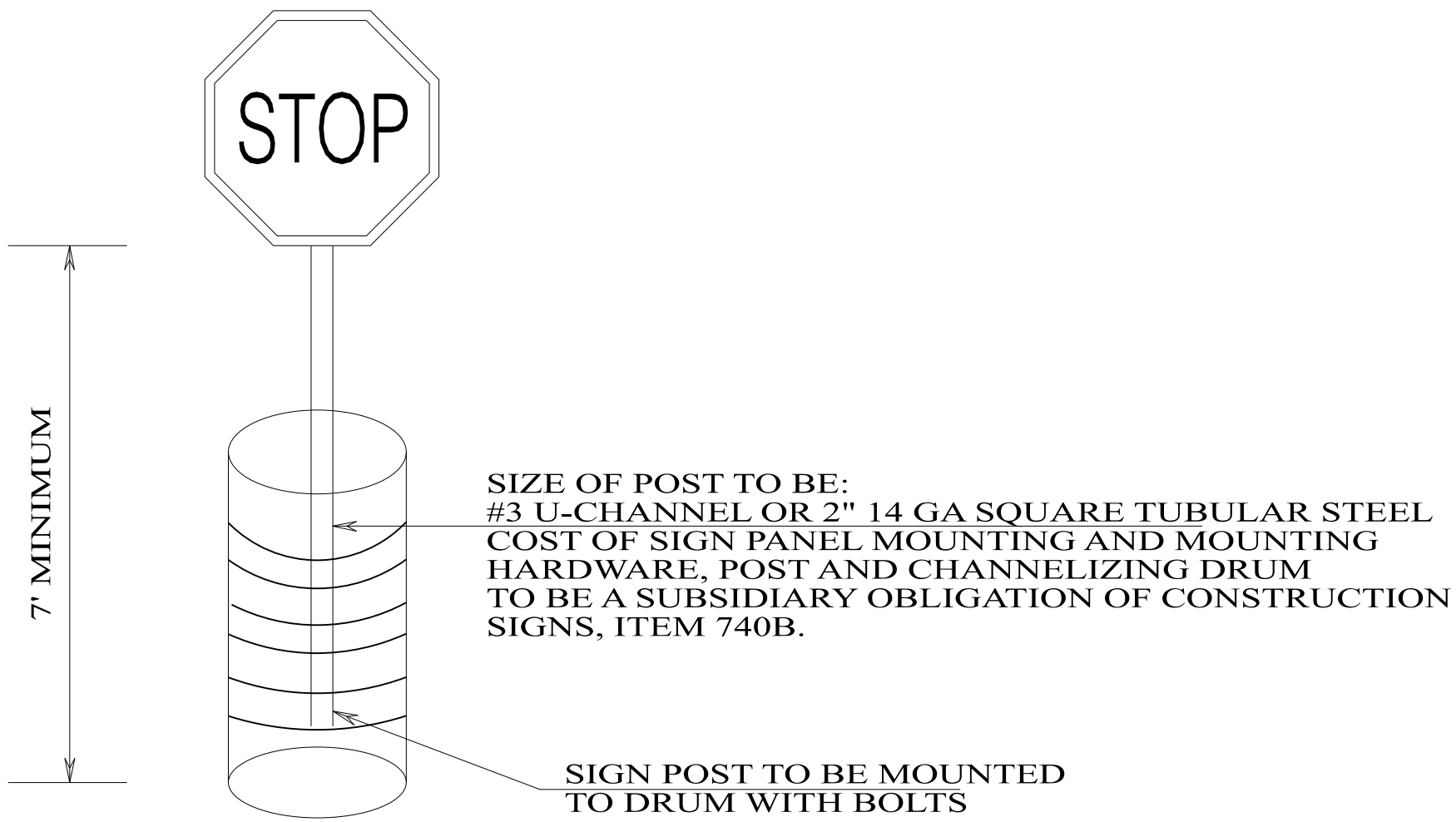
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



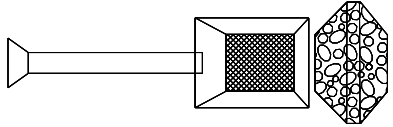
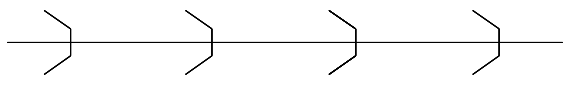
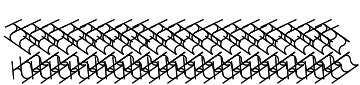
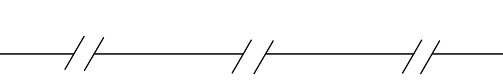
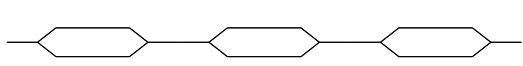
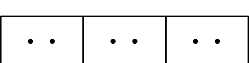
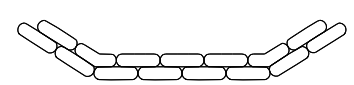

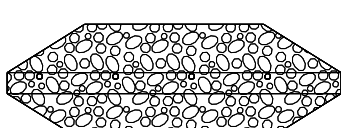
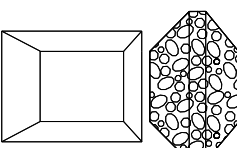
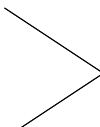
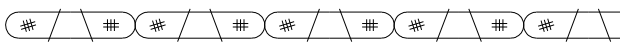
DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

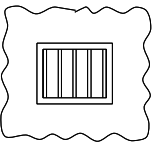


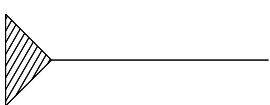
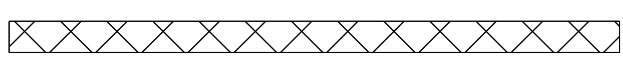
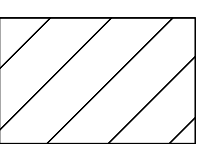



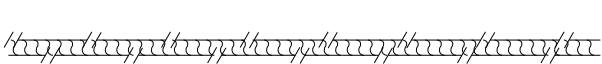
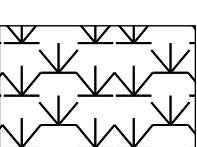
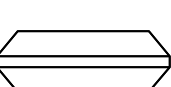
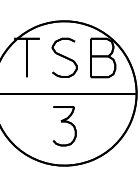

\$USER NAME\$ \$FILES\$
\$TIME\$

EROSION AND SEDIMENT CONTROL LEGEND

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	50

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	
ROCK DITCH CHECK	
ROCK DITCH CHECK WITH SUMP EXCAVATION	
SILT FENCE DITCH CHECK	
SLOPE INTERRUPTOR	

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.

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REVISIONS

Bureau Std Engr: J.T.
DRAWN BY: D.T.M. DATE DRAWN: 02-10-25

ALABAMA DEPARTMENT OF TRANSPORTATION

1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

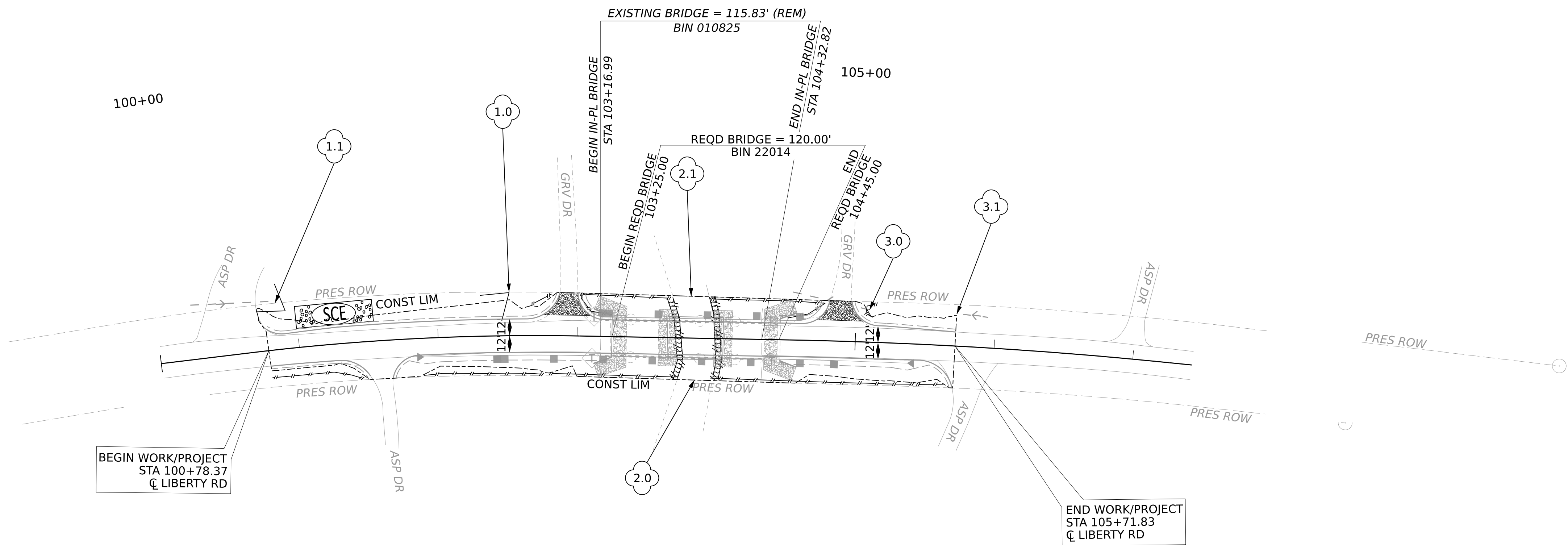
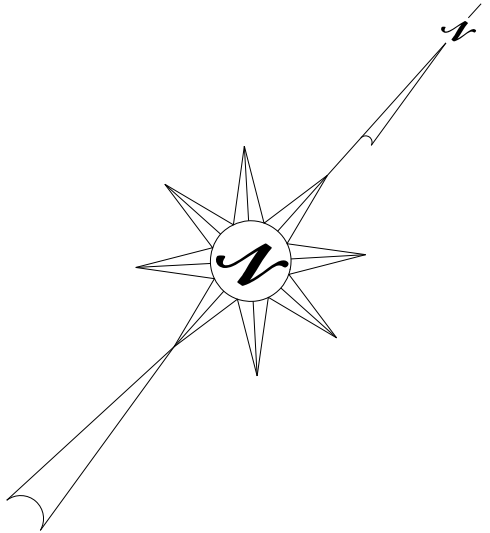
EROSION & SEDIMENT CONTROL LEGEND

SPECIAL DRAWING NO
SPECIAL PROJECT DETAIL

INDEX NO

EROSION AND SEDIMENT CONTROL - INITIAL PHASE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	51

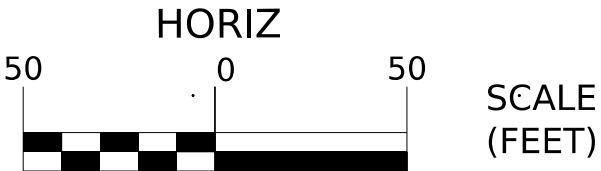


SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

PLAN
SUBMITTAL
100%

PLANS PREPARED BY:
BARGE DESIGN SOLUTIONS



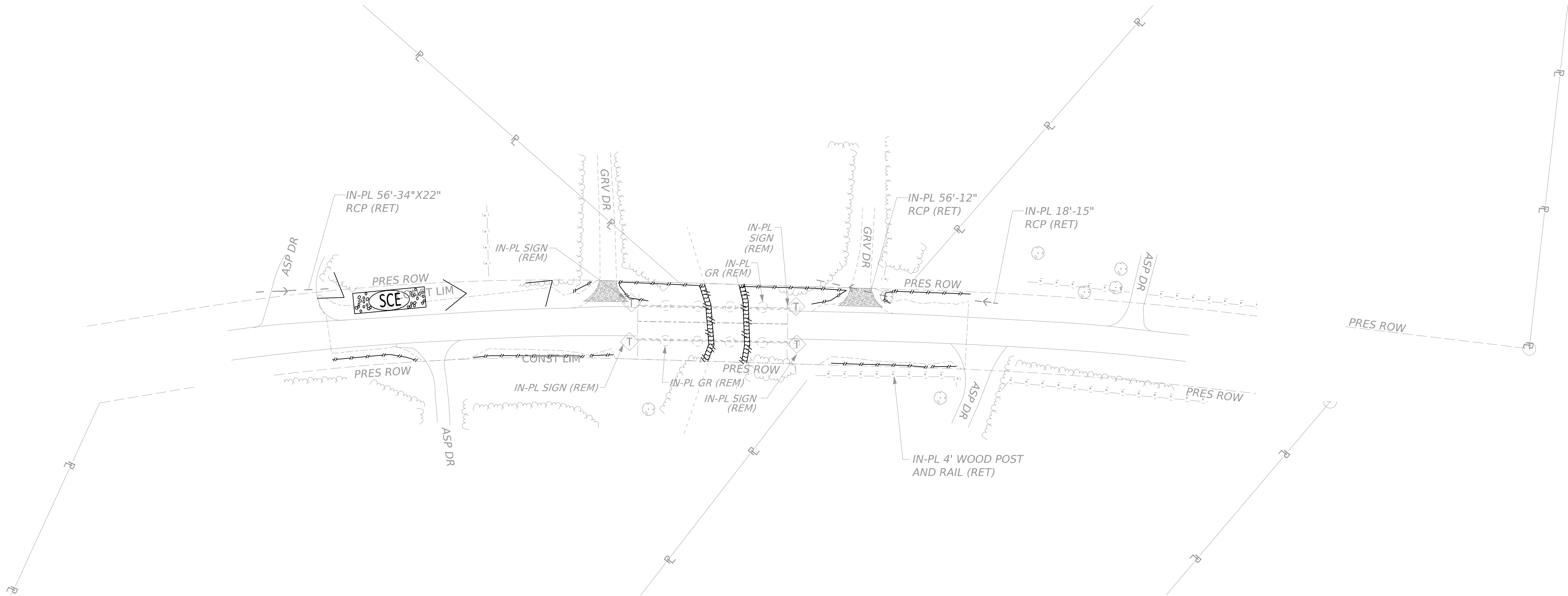
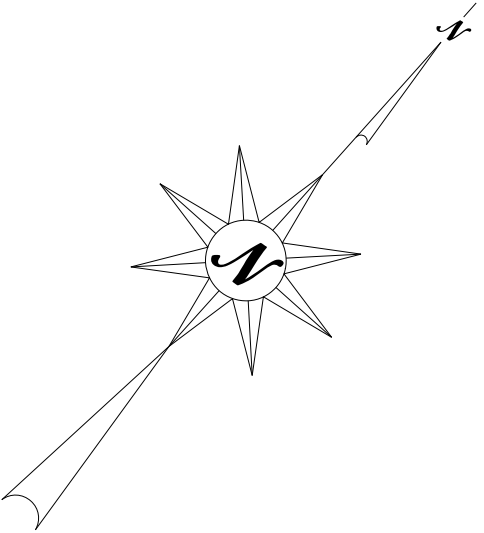
SHEET TITLE
EROSION AND SEDIMENT
CONTROL - INITIAL PHASE

ROUTE
LIBERTY
RD

\$USER NAMES\$ \$FILES\$
\$TIMES\$
\$DATES\$

EROSION AND SEDIMENT CONTROL - INTERMEDIATE PHASE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	52

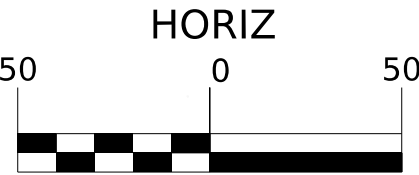


SHELBY COUNTY
HIGHWAY DEPARTMENT

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SCALE
(FEET)

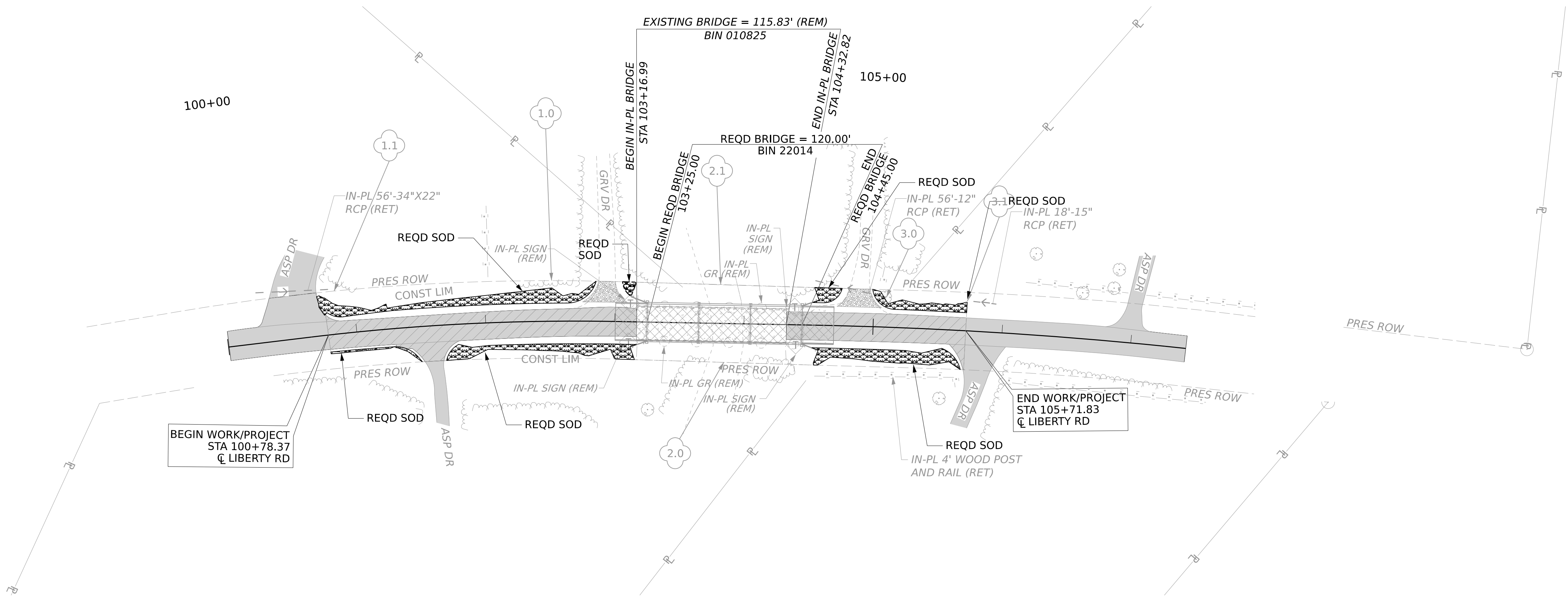
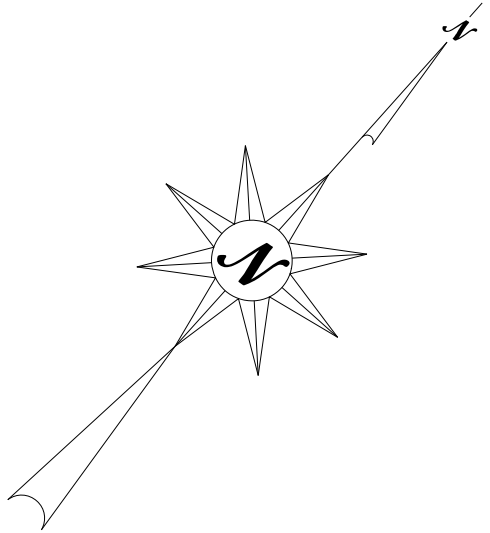
SHEET TITLE
EROSION AND SEDIMENT CONTROL -
INTERMEDIATE PHASE

ROUTE
LIBERTY
RD

\$DATE\$ \$TIMES\$ \$USER NAMES\$ \$FILES\$

EROSION AND SEDIMENT CONTROL - FINAL PHASE

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	53

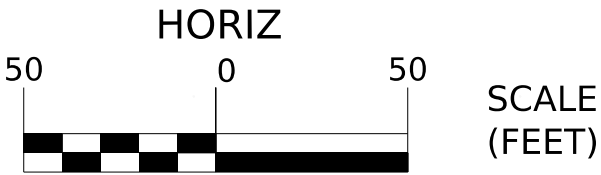


SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

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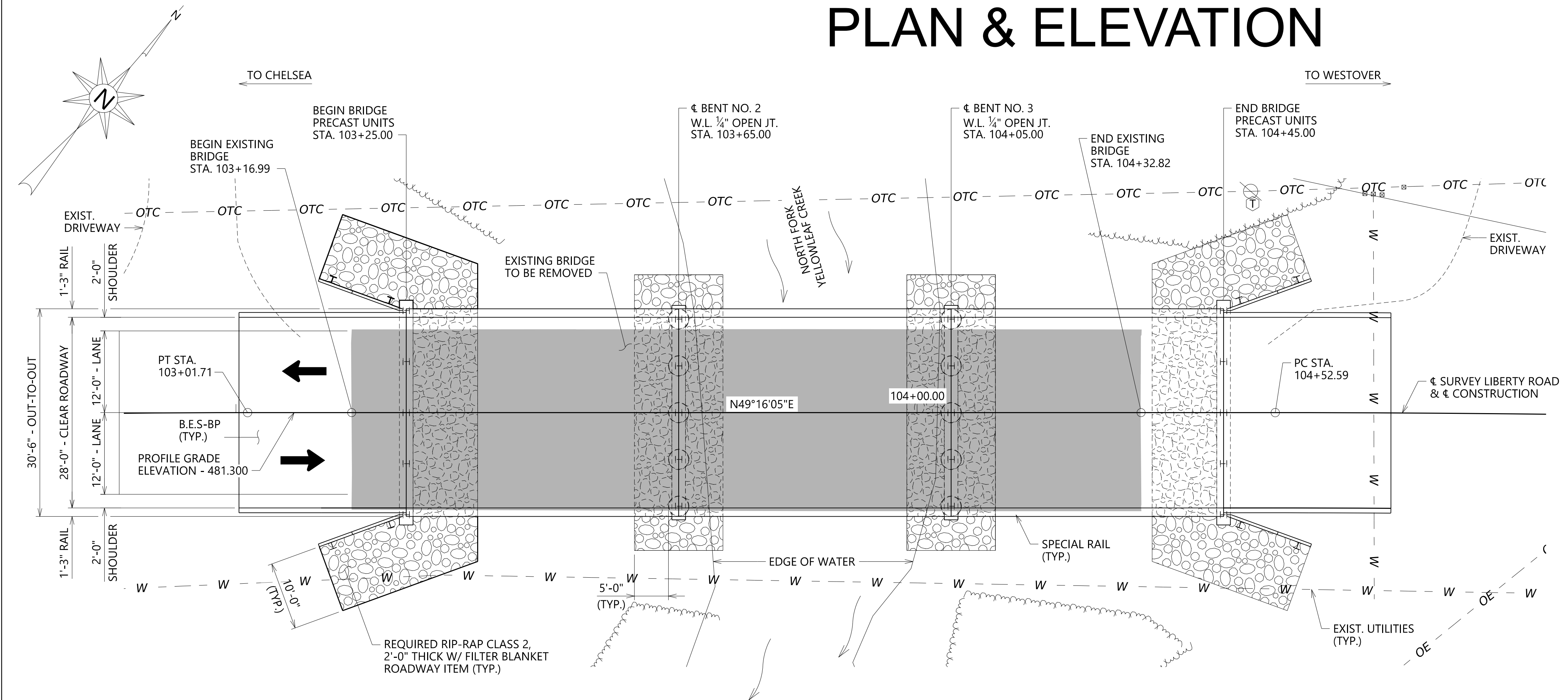
SHEET TITLE	ROUTE
EROSION AND SEDIMENT CONTROL - FINAL PHASE	LIBERTY RD

\$DATE\$ \$TIMES\$ \$USER NAMES\$ \$FILES\$

ESTIMATED QUANTITIES AND GENERAL NOTES				REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
				SCP 59-959-24	2026	60
ESTIMATED QUANTITIES				SPECIAL NOTES		
QUANTITY	ITEM NO.	UNIT	DESCRIPTION	1.) WING PILES SHALL BE DRIVEN TO REFUSAL OR 20', WHICHEVER IS LESS. THE MINIMUM PENETRATION FOR WING PILES SHALL NOT BE LESS THAN 10 FEET INTO NATURAL GROUND. ALL OTHER STEEL PILES SHALL BE DRIVEN TO REFUSAL.		
1	206A000	LUMP SUM	REMOVAL OF OLD BRIDGE, STATION 103+16.99	2.) PILE ENCASEMENTS SHALL EXTEND A MINIMUM OF 3 FEET BELOW BOTTOM OF RIPRAP.		
164	450B000	SQUARE YARD	REINFORCED CEMENT CONCRETE BRIDGE END SLAB	3.) NO SUBSTITUTIONS OF ALTERNATE SPAN ARRANGEMENTS SHALL BE ALLOWED.		
1	502B000	LUMP SUM	STEEL REINFORCEMENT FOR BRIDGE SUPERSTRUCTURE, APPROXIMATELY 5,110 LB.	4.) ACCESS TO THE FOUNDATION REPORT AND CORE BORINGS CAN BE ARRANGED BY CONTACTING SHELBY COUNTY.		
24	505G003	EACH	PILE POINTS (TYPE A, 12")	5.) FURNISHING OF ALL NECESSARY EQUIPMENT AND CONSTRUCTION OF ALL SHEETING AND SHORING, CRIBS, COFFERDAMS, CAISSONS, DE-WATERING, ETC. WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PILE ENCASEMENTS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 510A, BRIDGE SUBSTRUCTURE CONCRETE.		
10	505G004	EACH	PILE POINTS (TYPE A, 14")	6.) SWAYBRACE DETAILS FOR CONECUH PRECAST CONCRETE BENT CAPS NOT SHOWN IN PLANS. DETAILS FOR SWAYBRACE CAN BE FOUND IN CONECUH STANDARD DRAWING PCB-2840 LFRD.		
580	505M002	LINEAR FOOT	STEEL PILING FURNISHED AND DRIVEN (HP12 X 53)	7.) CONCRETE AND FABRICATION COSTS FOR PRECAST RAIL BLOCK SHALL BE PAID FOR THROUGH ITEM NO. 510C051, BRIDGE CONCRETE SUPERSTRUCTURE. REINFORCING STEEL FOR PRECAST RAIL BLOCK SHALL BE PAID FOR THROUGH ITEM NO. 502B000, STEEL REINFORCEMENT FOR BRIDGE SUPERSTRUCTURE.		
360	505M004	LINEAR FOOT	STEEL PILING FURNISHED AND DRIVEN (HP14 X 73)	8.) ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO INSTALL ADDITIONAL REINFORCING AT THE BEGINNING OF THE BRIDGE END SLABS AS SHOWN IN THE PLANS, SHALL BE INCLUDED IN ITEM NO. 502B000.		
2	507A000	EACH	WIRE ROPE ABUTMENT ANCHOR ASSEMBLY			
2,169	508A000	POUND	STRUCTURAL STEEL △			
16	510A007	CUBIC YARD	BRIDGE SUBSTRUCTURE CONCRETE △			
1	510C051	LUMP SUM	BRIDGE CONCRETE SUPERSTRUCTURE, APPROX. 15.4 C.Y. △			
2	512A015	EACH	PRECAST CONCRETE ABUTMENT CAPS. 2'-0" WIDE X 1'-4⅞" DEEP BY 33'-0" LONG (MODIFIED)			
2	512B010	EACH	PRECAST CONCRETE INTERMEDIATE BENT CAPS, 2'-0" WIDE BY 1'-9⅙" DEEP BY 31'-6" LONG (MODIFIED)			
18	512C017	EACH	PRECAST CONCRETE TYPE 1 SPAN SECTION, 3'-6" BY 2'-0" DEEP BY 39'-11¾" LONG			
6	512C025	EACH	PRECAST CONCRETE TYPE 2C SPAN SECTION, 3'-6" BY 2'-0" DEEP BY 39'-11¾" LONG			
8	512E014	EACH	PRECAST CONCRETE ABUTMENT PANELS, TYPE A3, 7'-4" LONG			
8	512E016	EACH	PRECAST CONCRETE ABUTMENT PANELS, TYPE A4, 7'-4" LONG			
4	512F002	EACH	PRECAST CONCRETE WING PANELS, TYPE W3			
4	512F003	EACH	PRECAST CONCRETE WING PANELS, TYPE W4			
4	512G000	EACH	PRECAST CONCRETE ABUTMENT WING CAP PANELS			
1	630A100	LUMP SUM	STEEL BEAM GUARD RAIL (SPECIAL) □			
□ DENOTES: 250'-0" W-BEAM, 86 - POSTS, 86 - ⅝"×2.5" HEX BOLT, 86 - ½"×1.25" HEX HEAD, 86 - ⅛"×1¾"×1¾" PLATE , 86 - BASE PLATES, 86 - WASHER PLATES, 690 - ⅝"×1¼" BUTTON HEAD, 86 - BACKER PLATES, 344 - ⅝" HEAVY HEX HEAD ANCHORS. BRIDGE RAIL WILL ATTACH TO THE FULLY ANCHORED ROADWAY GUARDRAIL AND TERMINALS AT OUTSIDE THE BRIDGE LIMITS AT EACH END OF THE RAIL AT THE END OF THE 25'-0" W-BEAM AND AT EACH END OF THE BRIDGE.				STANDARD BRIDGE NOTES		
△ DENOTES: AASHTO CLASS A; 28 DAY STRENGTH 5000 PSI.				SEE BRIDGE SPECIAL PROJECT DRAWING SBN-1 ROADWAY: 28'-0" WITH SPECIAL RAIL		
△ DENOTES: AASHTO CLASS A; 28 DAY STRENGTH 3000 PSI.				1 2022- 2026 18		
△ DENOTES: ITEM INCLUDES COST OF STRUCTURAL STEEL AND LABOR REQUIRED TO CONSTRUCT SWAYBRACING PER REQUIREMENTS SHOWN IN CONECUH STANDARD DRAWING PCB-2840 LFRD. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD-VERIFYING HEIGHT OF STRUCTURE AND SWAYBRACING REQUIREMENTS PER AFOREMENTIONED DRAWINGS PRIOR TO ORDERING MATERIALS.				2 9TH, JANUARY 2023, HL-93 20		
				5 45, 75 28		
				9 1A 32		
				10		
				REQUIRED		
				3 — SPANS OF 40'-0" CONECUH PRECAST CONCRETE BRIDGE SLAB ——— BRIDGE SHEET 2 AND CONECUH STANDARD DRAWING PC-40 LFRD		
				2 — CONECUH PRECAST CONCRETE END BENT CAPS ON HP 12×53 ——— BRIDGE SHEET 2 AND CONECUH STANDARD DRAWING PCA-2840-AS LRFD		
				2 — CONECUH PRECAST CONCRETE BENT CAPS ON HP 14×73 W/ SWAYBRACE ——— BRIDGE SHEET 2 AND CONECUH STANDARD DRAWING PCB-2840 LRFD		
				CONECUH CONCRETE ABUTMENT PANS AND ANCHOR ASSEMBLIES ——— BRIDGE SHEET 2 AND CONECUH STANDARD DRAWING PCP-2800-AS LRFD		
				SPECIAL RAIL DETAILS ——— BRIDGE SHEETS 3 AND 4		
				MISC. BRIDGE DETAILS ——— BRIDGE SHEET 5		
				STANDARD BRIDGE NOTES ——— BRIDGE SPECIAL PROJECT DRAWING SBN-1		
				STANDARD BRIDGE DETAILS ——— BRIDGE SPECIAL PROJECT DRAWING SBD-1		
				BRIDGE END SLAB DETAILS ——— BRIDGE SPECIAL PROJECT DRAWING BES-BP		
I CERTIFY THAT COMPLETE REVIEWS OF THE DESIGNER'S CALCULATIONS, CONTRACT STRUCTURAL DRAWINGS, APPLICABLE SPECIFICATIONS, AND SPECIAL PROVISIONS HAVE BEEN MADE BY COMPETENT ENGINEERS OF THIS ORGANIZATION, AND THAT THESE PLANS ARE ACCURATE, COMPLETE, AND SUITABLE FOR LETTING.				THESE DRAWINGS REPRESENT DESIGNS PREPARED FOR USE BY SHELBY COUNTY AND ARE NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE SHELBY COUNTY REPRESENTATIVE AUTHORIZED TO APPROVE SUCH USE. ANYONE MAKING UNAUTHORIZED USE IF THESE DRAWINGS MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.		
APPROVED: _____ DATE: 12/23/2025 (Engineer of Record's Signature)				BRIDGE SHEETS 1 OF 5		
REGISTRATION NO.: 56192						
APPROVED: _____ DATE: 12/23/2025 (Reviewing Engineer's Signature)						
REGISTRATION NO.: 36032						
RESPONSIBLE FOR BRIDGE SHEETS NOS. 1 THROUGH 5						
<div><div><div><div></div><div>SHELBY COUNTY</div><div>ALABAMA</div></div><div><div>SHELBY COUNTY</div><div>HIGHWAY DEPARTMENT</div></div></div><div>REVISIONS:</div><div>PLAN SUBMITTAL</div><div>100%</div><div>PLANS PREPARED BY:</div><div>BARGE DESIGN SOLUTIONS</div><div>0 1 2</div><div>HORZ</div><div>SCALE (FEET)</div><div>0 1 2</div><div>VERT</div><div>SHEET TITLE</div><div>ESTIMATED QUANTITIES AND GENERAL NOTES</div><div>ROUTE</div><div>LIBERTY RD</div></div>						

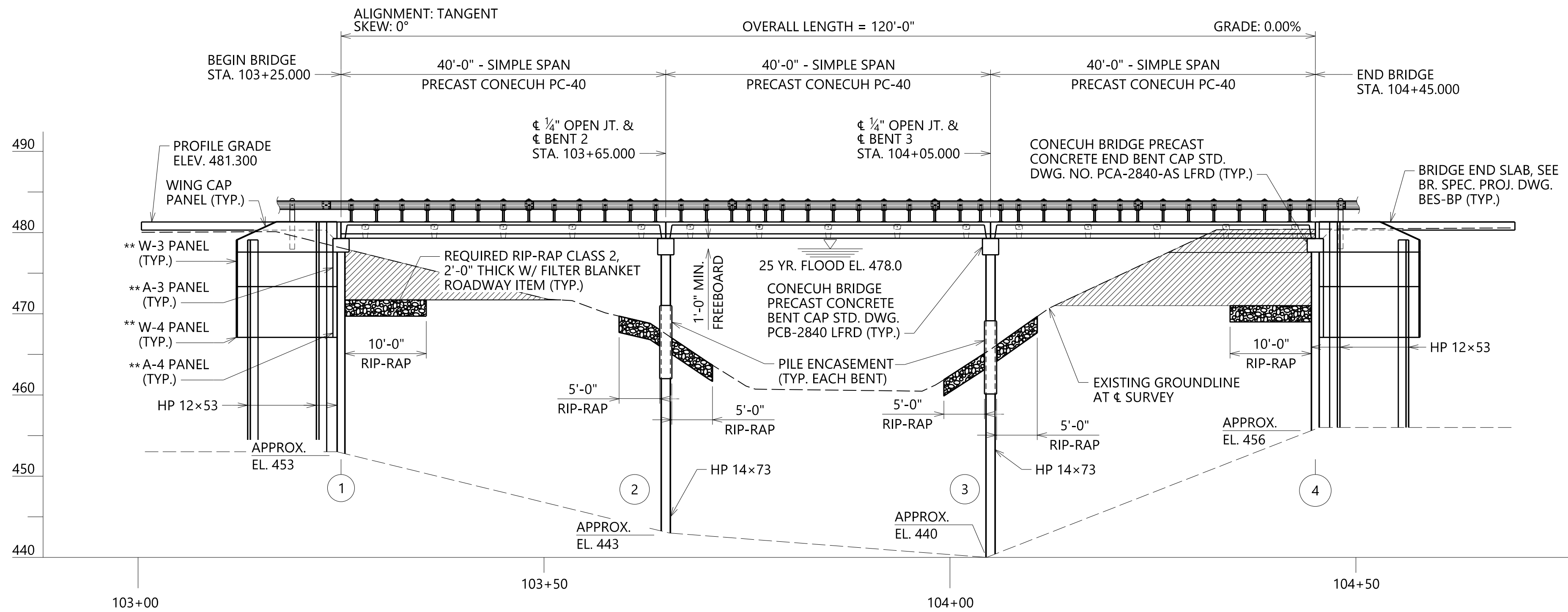
PLAN & ELEVATION

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	61



PLAN

SCALE: 1" = 10'
ANCHOR PILES AT ABUTMENTS NOT SHOWN, SEE CONECUH STD. DWG. PCB-2800 LFRD FOR MORE DETAILS



ELEVATION

SCALE: 1" = 10'

NOTES

- 1) ADDITIONALLY, COST OF REMOVAL AND DISPOSAL OF EXISTING RIP-RAP, SUBSTRUCTURE UNITS, AND PILES THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE INCLUDED IN PAY ITEM 206A000, REMOVAL OF OLD BRIDGE.
- 2) COST OF LOOSE RIPRAP SHALL BE PAID FOR BY ITEM NO. 610A004.
- 3) NO SUBSTITUTIONS OF ALTERNATE SPAN ARRANGEMENTS SHALL BE ALLOWED.
- 4) WING PILES SHALL BE DRIVEN TO REFUSAL OR 20', WHICHEVER IS LESS. THE MINIMUM PENETRATION FOR WING PILES SHALL NOT BE LESS THAN 10 FEET INTO NATURAL GROUND. ALL OTHER STEEL PILES SHALL BE DRIVEN TO REFUSAL.

** DENOTES: CONECUH BRIDGE PRECAST CONCRETE ABUTMENT PANELS STD. DWG. NO. PCP-2800-AS LFRD (TYP.)

LEGEND

□ DENOTES: AREA TO BE EXCAVATED (ROADWAY ITEM)

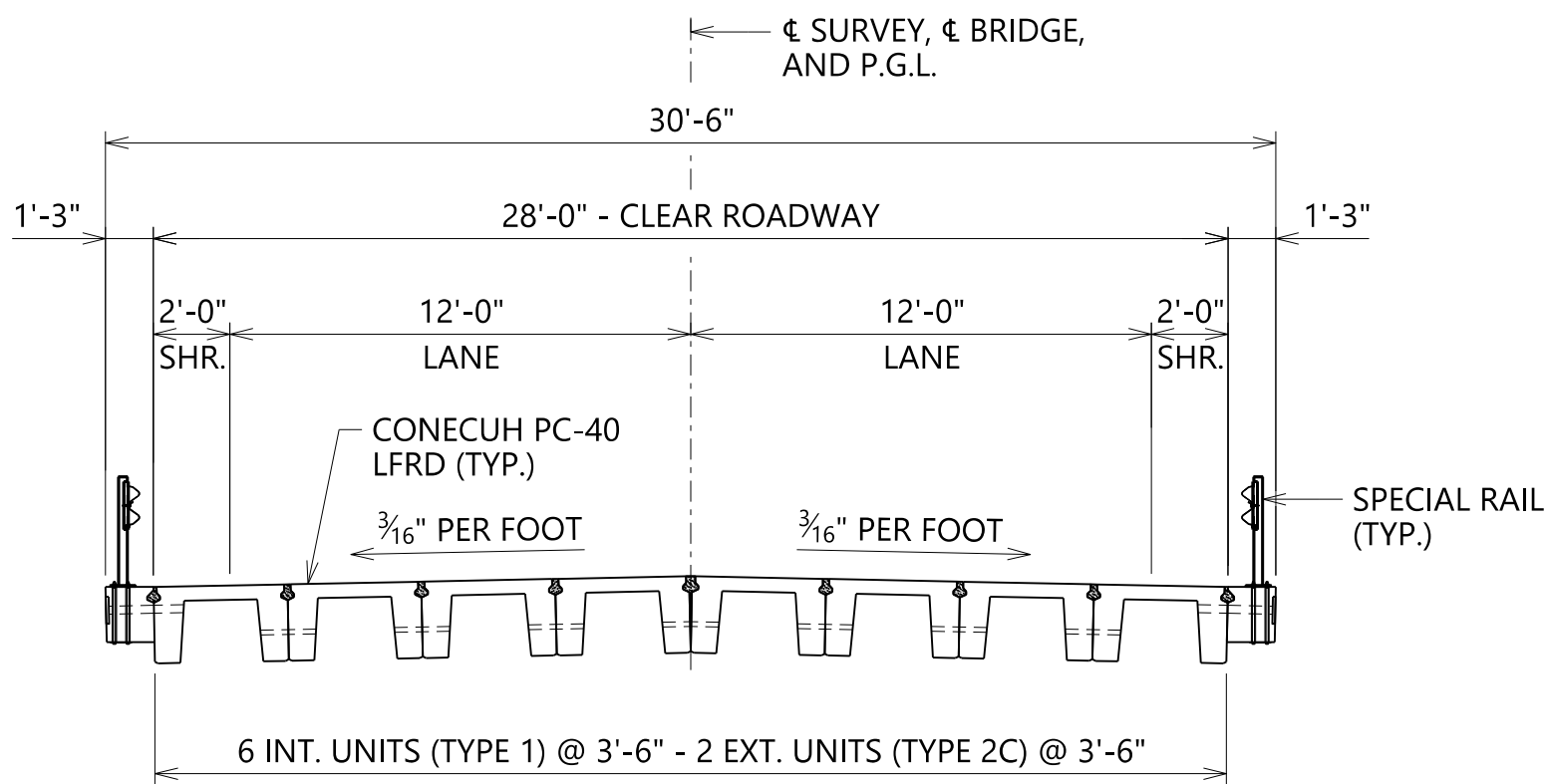
HYDRAULIC DATA

DRAINAGE AREA = 26.2 SQ. MILES

	DISCHARGE (CFS)	STAGE (FEET)
Q2	3,060	471.9
Q5	5,440	475.2
Q10	6,940	476.7
Q25	8,640	478.0
Q50	9,850	479.4
Q100	11,100	480.2
Q200	12,300	481.1
Q500	14,000	482.1

HORIZONTAL CURVE DATA

P.C. STATION = 100+64.775 P.I. STATION = 101+83.436 P.T. STATION = 103+01.713 D = 3°22'13.224" R = 1700.00 Δ = 7°59'08.168" RT L = 236.938 FT T = 118.661 FT	P.C. STATION = 104+52.587 P.I. STATION = 105+89.688 P.T. STATION = 107+26.635 D = 1°43'14.138" R = 3330.000 Δ = 4°42'54.920" RT L = 274.048 FT T = 137.101 FT
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TYPICAL SECTION

SCALE: 1" = 5'-0"

BRIDGE SHEETS 2 OF 5



SHELBY COUNTY
HIGHWAY DEPARTMENT

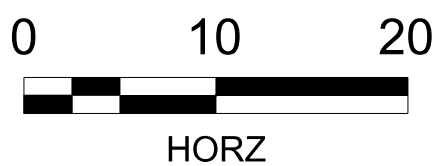
REVISIONS:

PLAN
SUBMITTAL

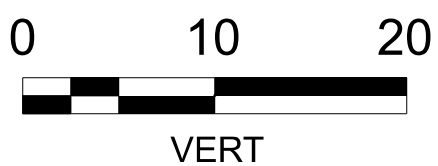
100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS



SCALE
(FEET)



SHEET TITLE

PLAN & ELEVATION

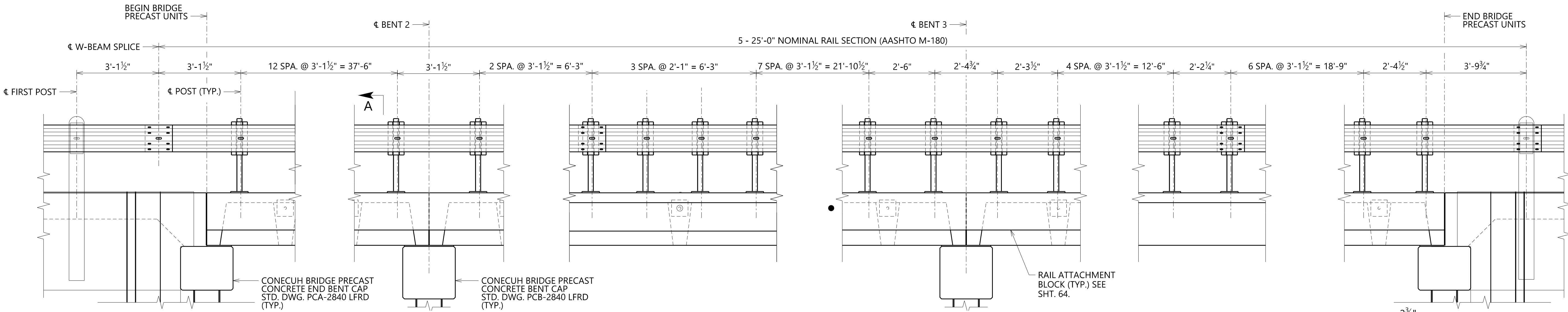
ROUTE

LIBERTY
RD

12/23/2025 10:29:55 AM WGHuynh 3522208_TS&L.dgn

SPECIAL RAIL DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	62

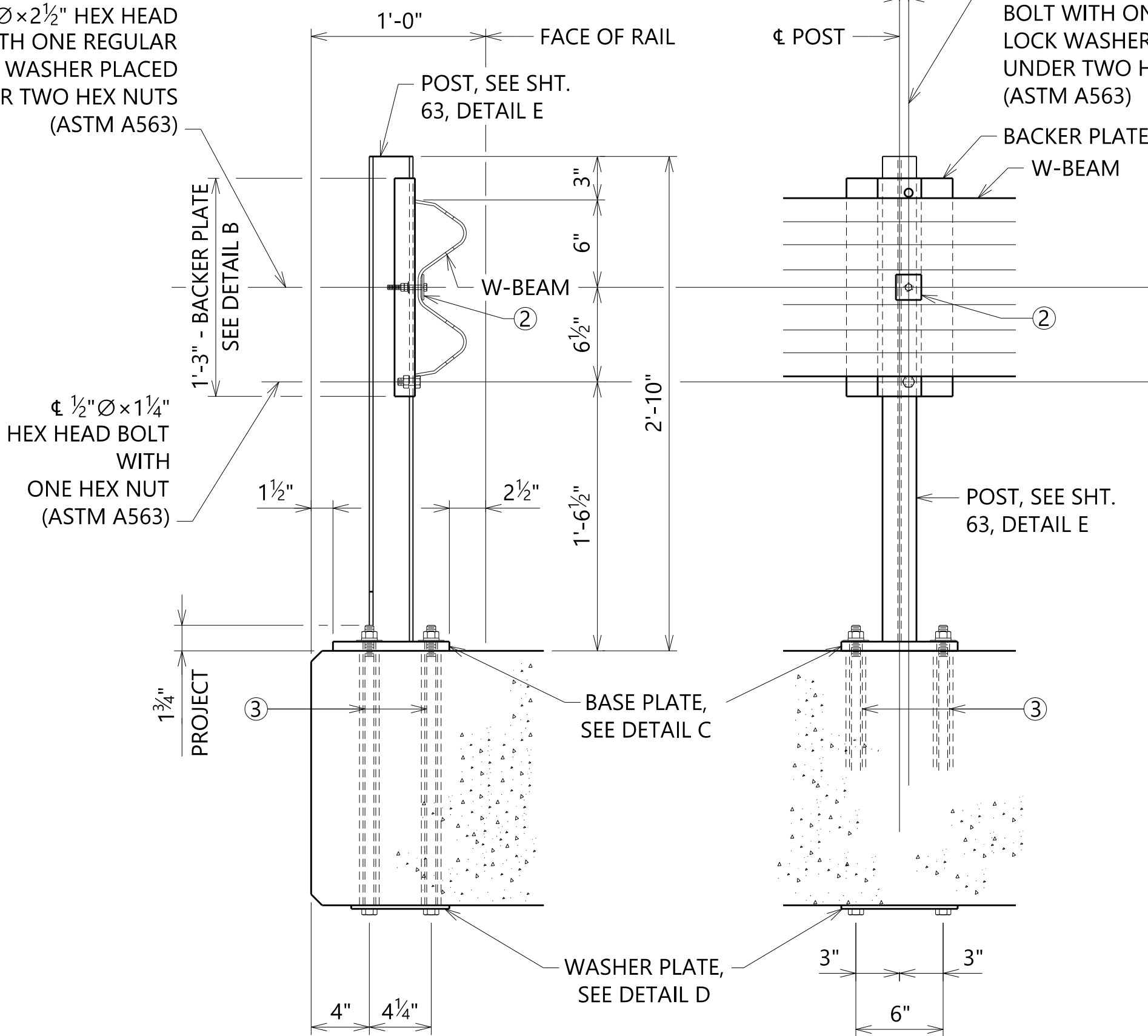


TYPICAL GUARDRAIL ELEVATION

SCALE: 1/2" = 1'-0"

NOTE: IF ADJUSTING OF POST LOCATIONS ARE REQUIRED, MAINTAIN A MINIMUM 9" FROM ϕ OF POST TO NEAREST EDGE OF OPEN JOINT. DRILL NEW 3/4" DIAMETER HOLE AT THE CENTERLINE OF W-BEAM FOR SHIFTED POST. PAINT HOLE WITH TWO COATS OF ZINC-RICH PAINT CONFORMING TO THE ITEM "GALVANIZING". ALL OTHER POSTS MUST REMAIN ON THE SPACINGS AS SHOWN IN PLANS.

① ϕ 5/16" \times 2 1/2" HEX HEAD BOLT WITH ONE REGULAR LOCK WASHER PLACED UNDER TWO HEX NUTS (ASTM A563)

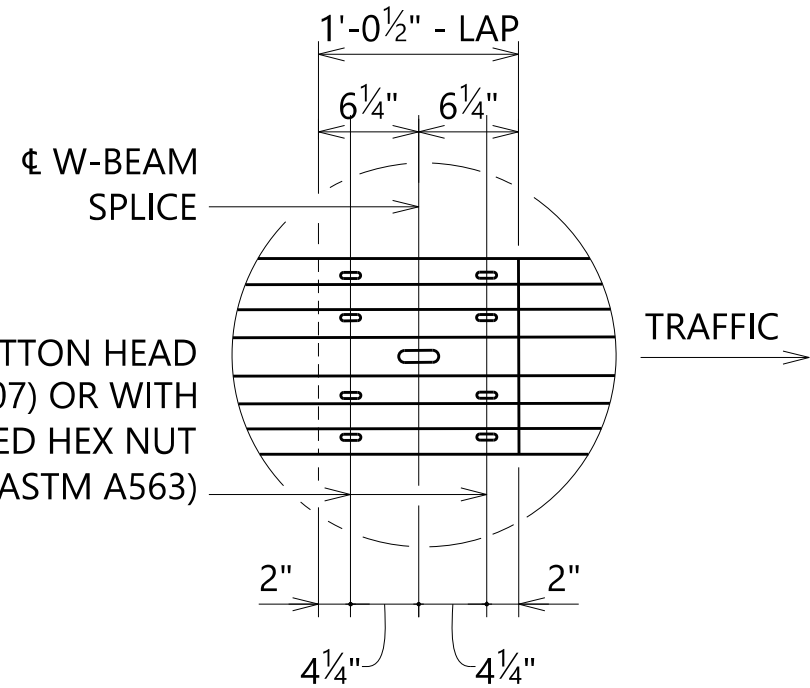


SECTION A-A

SCALE: 1 1/2" = 1'-0"

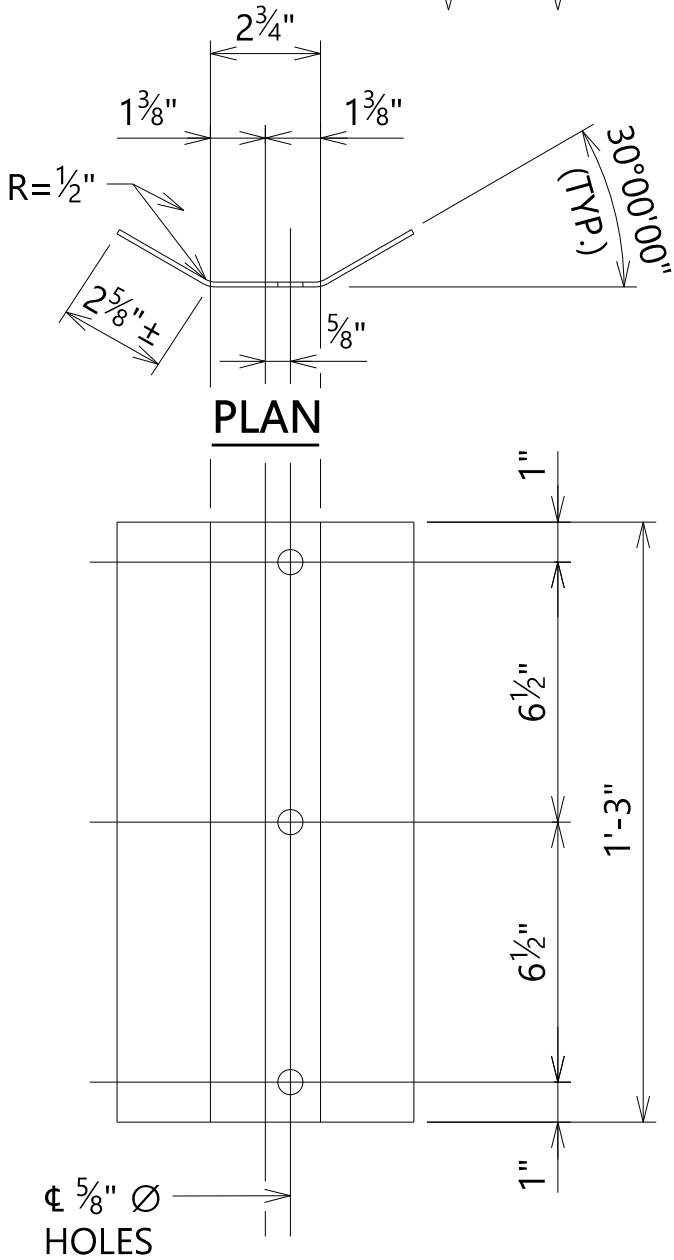
TRAFFIC SIDE RAIL

SCALE: 1 1/2" = 1'-0"



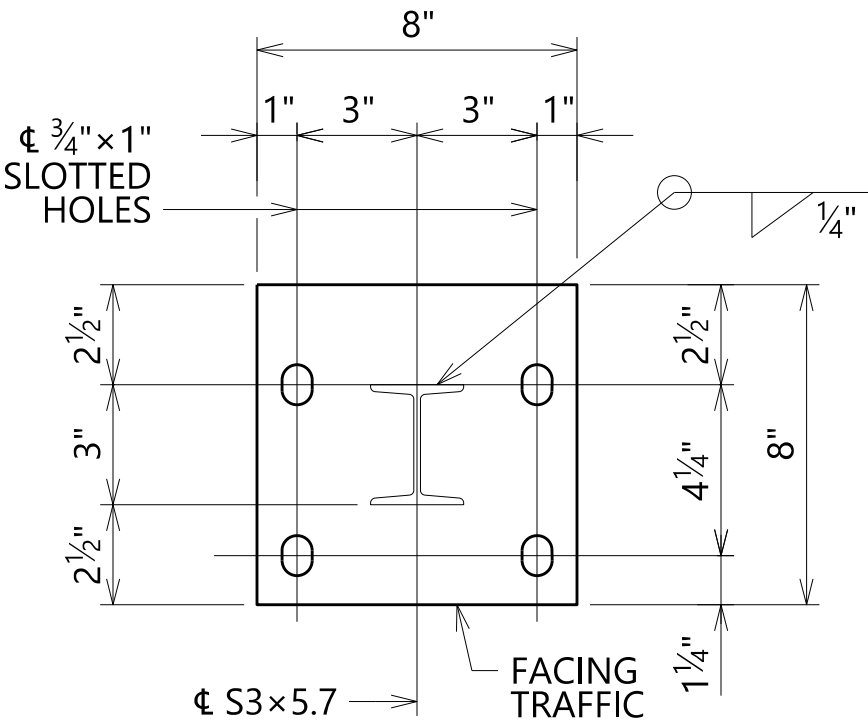
DETAIL A - TYPICAL SPLICE

SCALE: 1/2" = 1'-0"



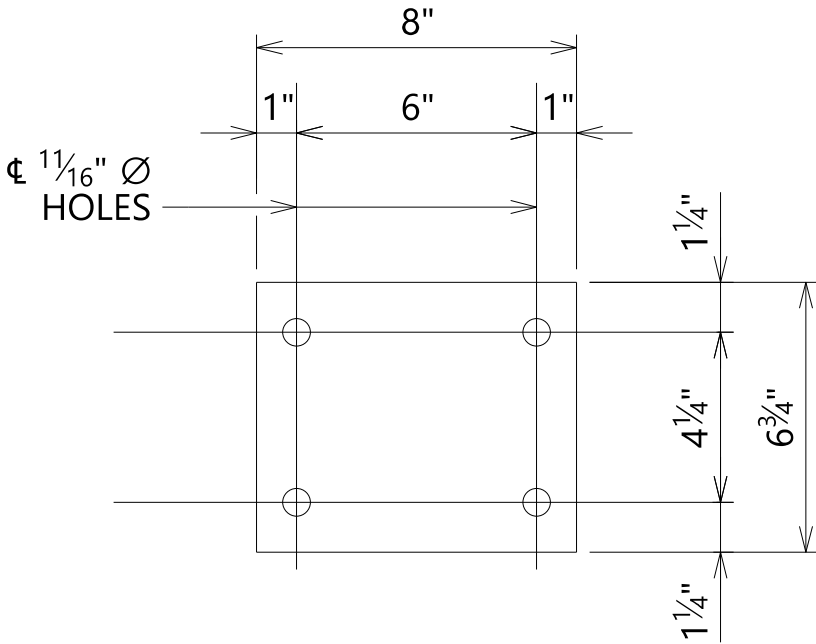
DETAIL B - BACKER PLATE

(N.T.S.)
(1/8" \times 8" \times 1'-3" PLATE)
(A1008 CS GR 33)



DETAIL C - PLAN: BASE PLATE

(N.T.S.)
(3/8" \times 8" \times 8" PLATE)
(ASTM A572 GR50)



DETAIL D - PLAN: WASHER PLATE

(N.T.S.)
(1/4" \times 6 3/4" \times 8" PLATE)
(ASTM A36)

LEGEND

- TIGHTEN THE FIRST HEX NUT BY HAND UNTIL THE TOP AND BOTTOM EDGES OF THE W-BEAM ENGAGE THE BACKER PLATE (BACKER PLATE SHOULD BE SNUG AGAINST THE POST). THEN TIGHTEN HEX NUT ONE REVOLUTION WITH WRENCH AND SECURE WITH THE SECOND HEX NUT.
- 1/8" \times 1 3/4" \times 1 3/4" PLATE WITH 3/8" ϕ HOLE AT CENTER. SQUARE GUARDRAIL WASHER.
- 5/8" ϕ FORMED HOLES FOR 5/8" ϕ HEAVY HEX HEAD ANCHOR BOLT (ASTM F3125 GR A325) OR THREADED ROD (ASTM A193 GR B7) WITH ONE HARDENED STEEL WASHER (ASTM F436) AND ONE REGULAR LOCK WASHER PLACED UNDER HEAVY HEX NUT (ASTM A563). ONE ADDITIONAL HEAVY HEX NUT MUST BE FURNISHED AND TACK WELDED FOR EACH THREADED ROD. SEE SHT. 63, DETAIL F FOR BOLT DETAILS.

BRIDGE SHEETS 3 OF 5



SHELBY COUNTY
HIGHWAY DEPARTMENT

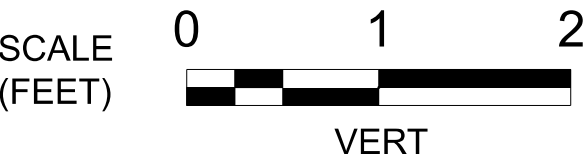
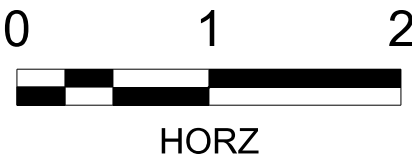
REVISIONS:

PLAN
SUBMITTAL

100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS



SHEET TITLE

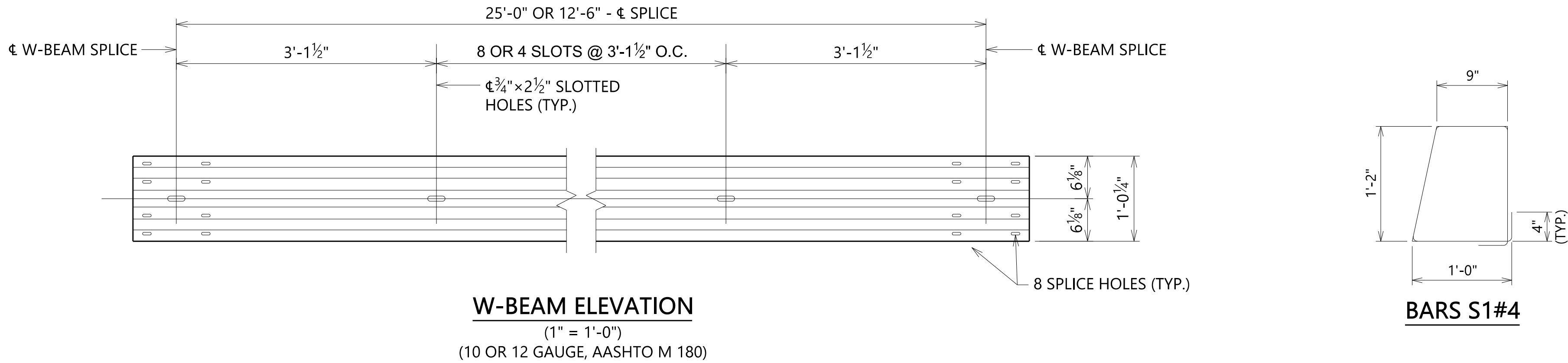
SPECIAL RAIL DETAILS

ROUTE

LIBERTY
RD

SPECIAL RAIL DETAILS

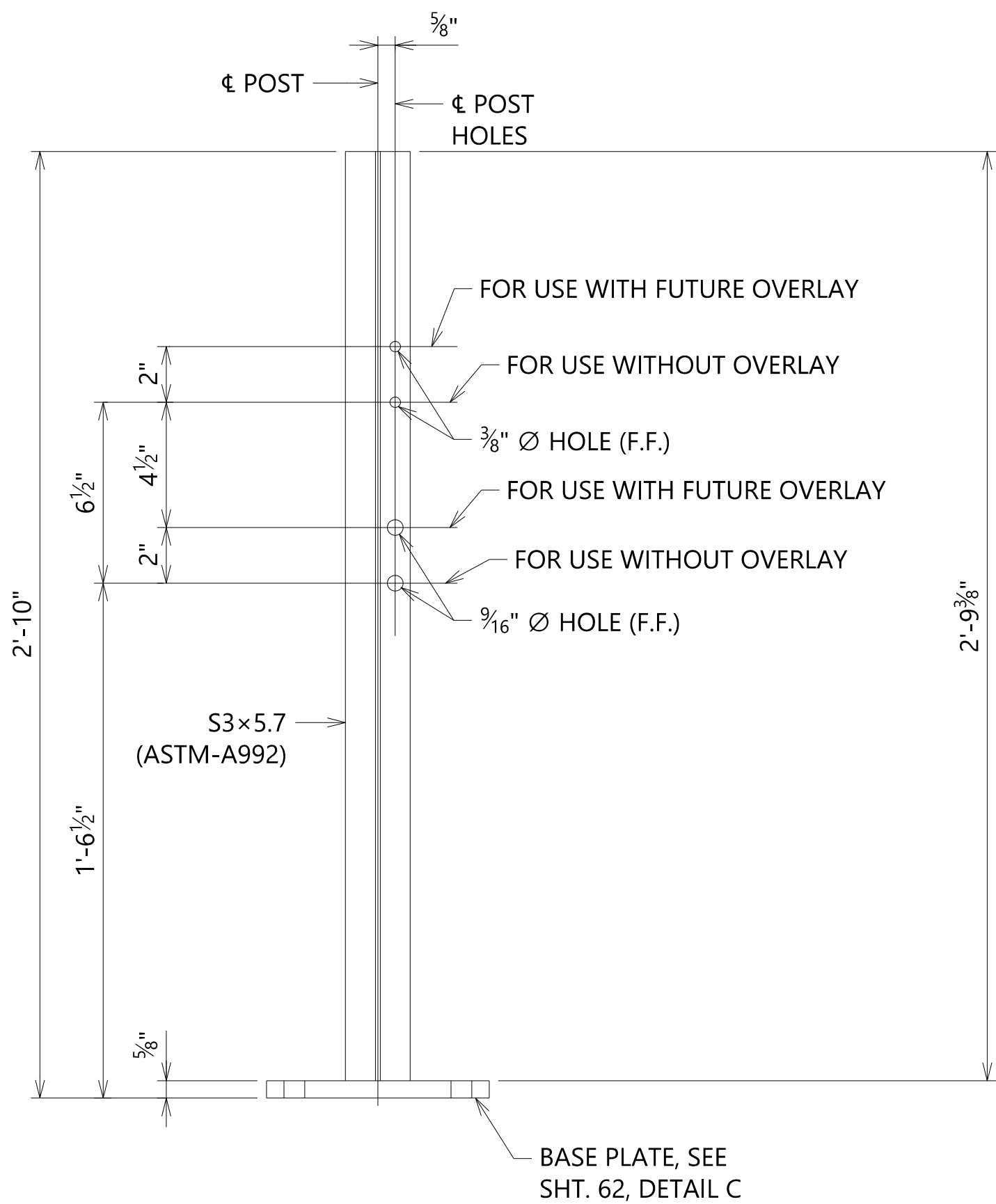
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	63



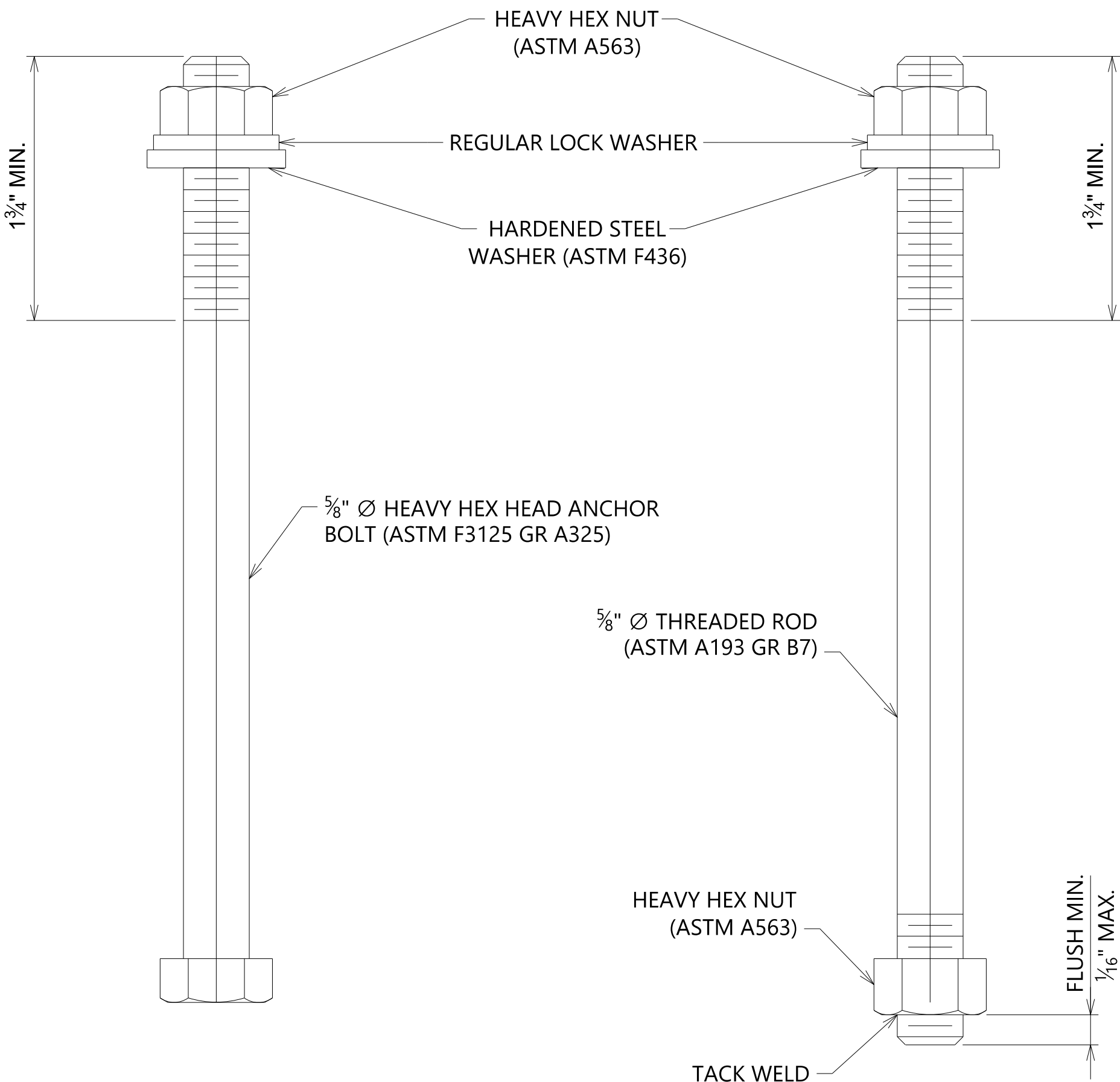
NOTES:

- FACE OF RAIL POST MUST BE PLUMB UNLESS OTHERWISE APPROVED BY THE ENGINEER. POST MUST BE PERPENDICULAR TO ADJACENT ROADWAY GRADE. USE EPOXY MORTAR UNDER POST BASE PLATES IF GAPS LARGER THAN 1/16" EXIST.
- FULLY ANCHORED GUARD RAIL MUST BE ATTACHED TO EACH END OF RAIL.
- FABRICATOR MUST SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL.
- ROUND OR CHAMFER EXPOSED EDGES OF RAIL POST AND BACKER PLATE TO APPROXIMATELY 1/16" BY GRINDING.
- REPAIRS TO IMPACT-DAMAGED POST AND BASE PLATE UNIT ARE NOT PERMITTED. REPLACE ALL IMPACT-DAMAGED POSTS WITH A NEW POST AND BASE PLATE UNIT.
- ALL MATERIALS MUST MEET AASHTO M 180 CRITERIA.
- GALVANIZE ALL STEEL COMPONENTS ACCORDING TO AASHTO M 111.
- COST OF CONCRETE AND REINFORCING STEEL REQUIRED TO CREATE THE RAIL BLOCKS SHALL BE INCLUDED IN COST OF SPECIAL RAIL.
- CONCRETE SHALL CONFORM TO AASHTO CLASS A(AE). MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE 5000 PSI.
- ALL REINFORCING STEEL SHALL BE GRADE 60 BILLET STEEL MEETING THE REQUIREMENTS OF AASHTO M31. ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND PROPER CLEARANCES MAINTAINED WITH STAINLESS STEEL OR RUBBER TIPPED CHAIRS. REINFORCING DIMENSIONS ARE CENTER-TO-CENTER UNLESS OTHERWISE NOTED IN PLANS.

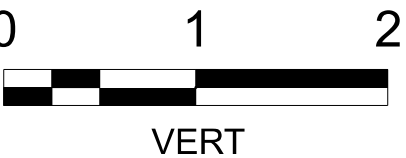
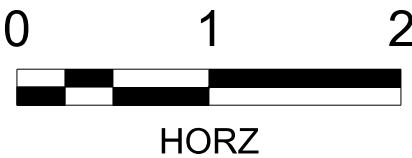
SPECIAL NOTE: THIS RAILING AS SHOWN ON SHEET NOS. 62 THRU 63 FOLLOWS TEXAS DEPARTMENT OF TRANSPORTATION'S (TXDOT) TRAFFIC RAIL TYPE T631. ACCORDING TO TXDOT, THIS RAILING HAS BEEN SUCCESSFULLY EVALUATED BY FULL-SCALE CRASH TESTING TO MEET MASH TL-3 CRITERIA FOR SPEEDS UP TO 50 M.P.H. APPROXIMATE DEFLECTION IS ANTICIPATED TO BE UP TO 4'-6".



DETAIL E - ELEVATION: POST
(2 1/2" = 1'-0")
(TRAFFIC-FACING SIDE SHOWN)

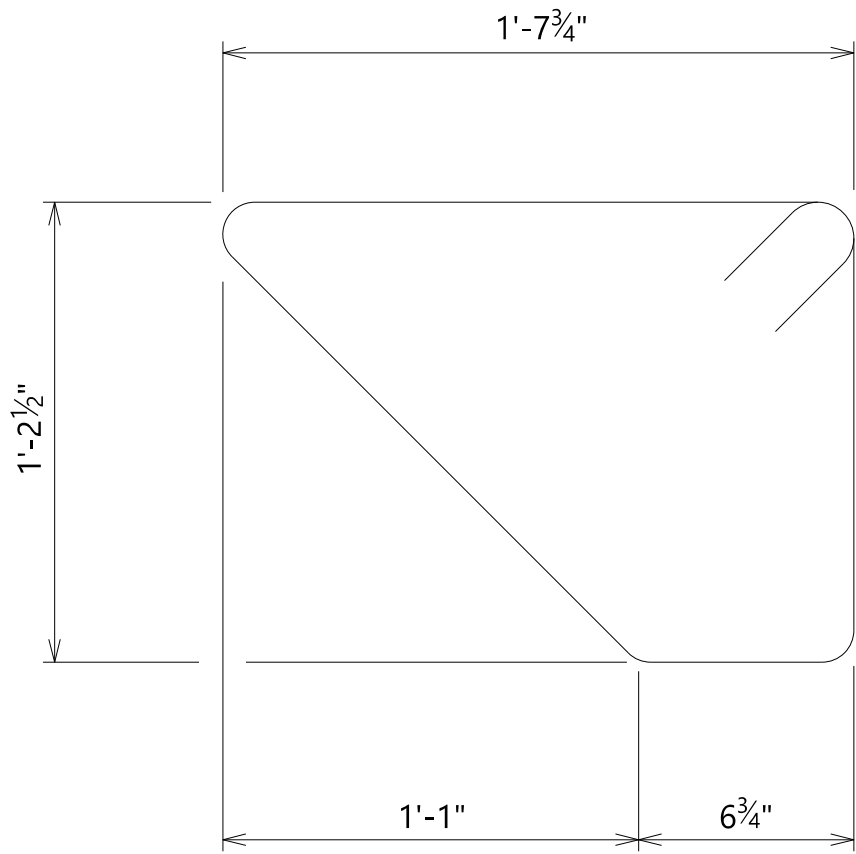


HEAVY HEX HEAD OPTION
THREADED ROD OPTION
DETAIL F - ANCHOR BOLT OPTIONS
(N.T.S)



MISC. BRIDGE DETAILS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	64

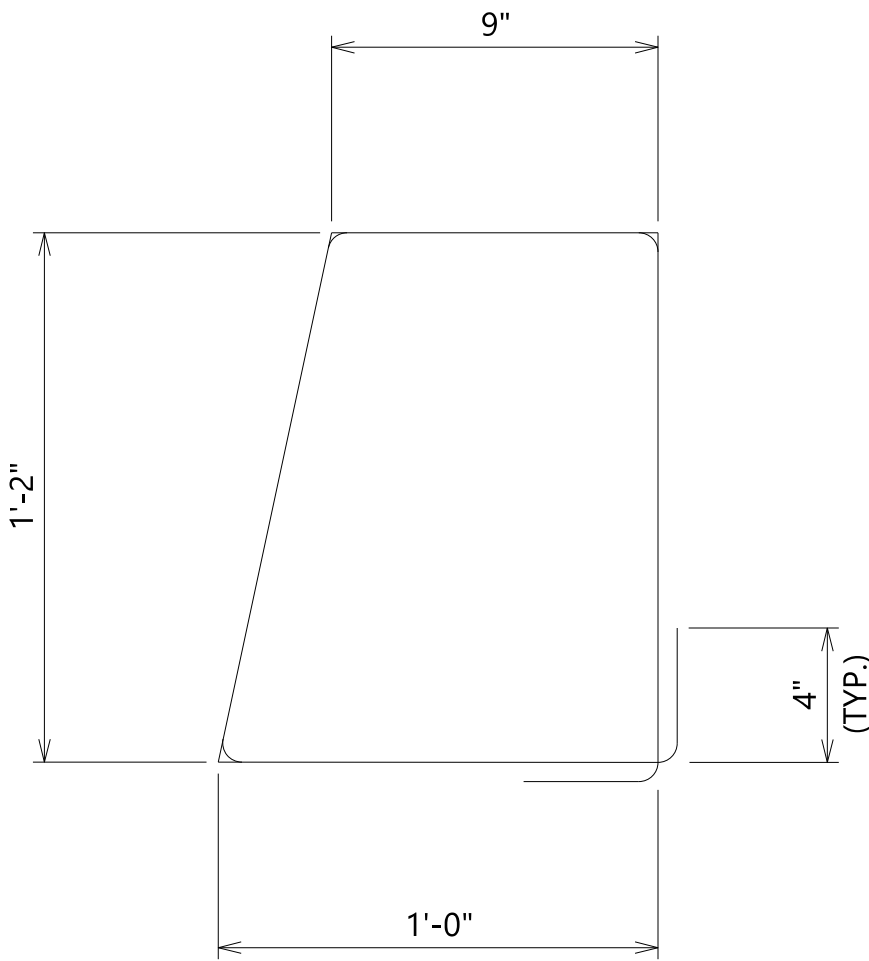


HOOP H#4

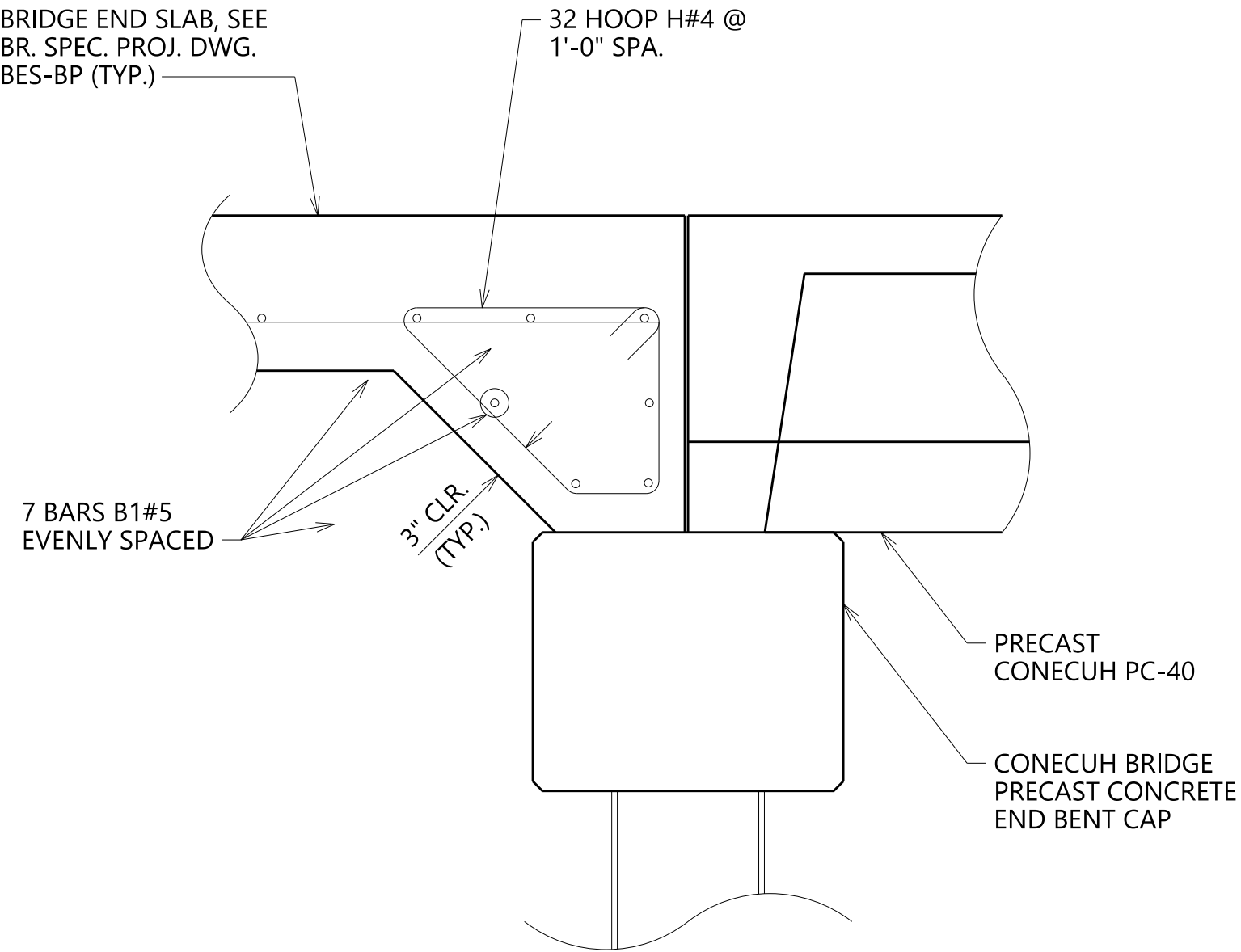
BILL OF REINFORCEMENT					
MARK	SIZE	NUMBER	LENGTH	LOCATION	BENDING
B1	5	14	30'-2"	B.E.S.	STRAIGHT
H	5	64	5'-9 1/2"	B.E.S.	SEE DIAG.
L1	4	72	39'-7 1/2"	RAIL BLOCK	STRAIGHT
S1	4	474	5'-5 1/2"	RAIL BLOCK	SEE DIAG.

ESTIMATED QUANTITIES			
ITEM NO.	QUANTITY	UNIT	DESCRIPTION
502B	4,990	LB.	STEEL REINFORCEMENT ⦿
510C	14.4	C.Y.	SUPERSTRUCTURE CONCRETE △

⦿ GRADE 60 △ AASHTO CLASS A; MIN. 28 DAY STRENGTH 5000 PSI

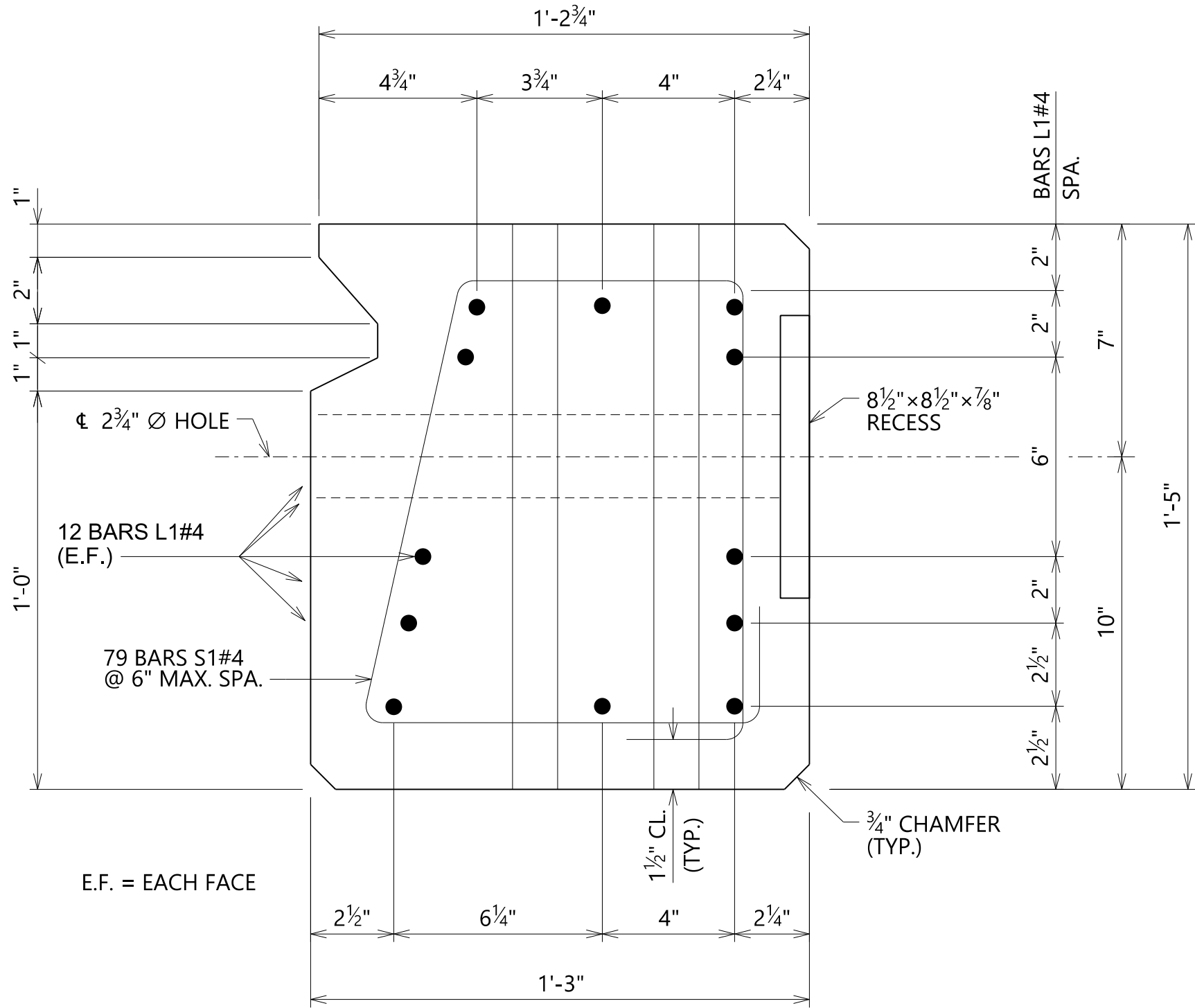


BARS S1#4



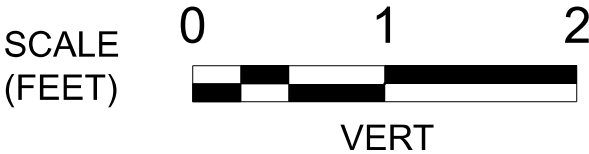
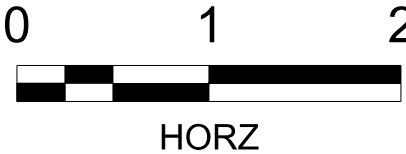
TYP. BEGINNING OF B.E.S. REINFORCING DETAIL

SCALE: 1" = 1'-0"
SEE CONECUH STD. DWG. PCA-2840 LFRD FOR EMBEDDED ANCHOR DETAILS, BEARING PADS, AND OTHER DETAILS NOT SHOWN.



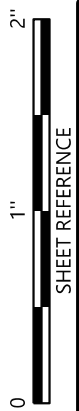
PRECAST RAIL BLOCK TYPICAL SECTION

SCALE: 3" = 1'-0"
6 PRECAST RAIL BLOCKS TOTAL: 2 PER CONECUH PCBR-40 UNIT
SPACING FOR CONNECTION ANCHOR SHALL MATCH SUPERSTRUCTURE PRECAST UNITS



\\bvms002\bridge\standard\special\bridge special DGN\Files\2025\SBN\New for 2025\SBN-1 StandardBridgeNotes.dgn

PLOTTED: 27-Jan-25 at 14:09



REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-959-24	2026	65

1.

CONSTRUCTION SPECIFICATIONS: _____ EDITION ALABAMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND APPLICABLE SPECIAL PROVISIONS.
2.

DESIGN SPECIFICATION AND LOADING: THIS BRIDGE HAS BEEN DESIGNED TO CONFORM TO THE _____ EDITION OF THE AASHTO LRFD DESIGN SPECIFICATIONS AND THE _____ EDITION OF THE ALDOT BRIDGE BUREAU STRUCTURES DESIGN MANUAL. DESIGN LOADING: _____ AASHTO.
3.

CONCRETE SURFACE FINISH: CLASS 3 SURFACE FINISH SHALL APPLY TO THIS BRIDGE SITE.
4.

WASHING: ALL SPILLED CONCRETE AND SPLASHES SHALL BE WASHED OFF STRUCTURAL STEEL BY WATER HOSE IMMEDIATELY AFTER SLAB IS POURED.
5.

PILING: MAXIMUM DESIGN LOADING PER PILE: IN ABUTMENTS _____ TONS
IN BENTS _____ TONS
6.

CLEARANCE (RAILROAD): VERTICAL CLEARANCE SHALL BE MAINTAINED ABOVE HIGH POINT OF RAIL WITHIN THE CONFINES OF THE STRUCTURE. HORIZONTAL CLEARANCE SHALL BE MAINTAINED WITH RESPECT TO CENTERLINE OF RESPECTIVE TRACKS. SEE SPECIAL PROVISION FOR CONSTRUCTION CLEARANCE REQUIREMENTS, ETC.
7.

WIDENING AND/OR RAISING BRIDGE: ALL DIMENSIONS SHOWN ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED PRIOR TO SUBMITTING SHOP DRAWINGS AND ORDERING MATERIAL THAT COULD BE AFFECTED BY THE FIELD SURVEY RESULTS.
8.

OMIT
9.

PAINTING: PAINT SYSTEM NO. _____ SHALL BE USED ON ALL SHOP AND FIELD PAINTING.
10.

PILE ENCASEMENTS: ALL CONCRETE AND REINFORCEMENT IN PILE ENCASEMENTS SHALL BE PAID FOR AS "CU. YDS. BRIDGE SUBSTRUCTURE CONCRETE" AND "POUNDS STEEL REINFORCEMENT." FURNISHING OF ALL NECESSARY EQUIPMENT AND CONSTRUCTION OF ALL SHEETING AND SHORING, CRIBS, COFFERDAMS, CAISSONS, DE-WATTERING, ETC. WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PILE ENCASEMENTS SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 510A, BRIDGE SUBSTRUCTURE CONCRETE.
11.

FIELD WELDING: THE FOLLOWING FIELD WELDS MAY BE MADE BY AN ELECTRIC ARC WELDER WHO DEMONSTRATES TO THE PROJECT ENGINEER THAT HE IS A PROFICIENT WELDER: 1) PILE CAP PLATES AND PILE CAP CHANNELS TO PILES 2) FIELD SPLICES IN BRIDGE JOINT ARMOR PLATES. THIS WELDER IS NOT REQUIRED TO HAVE A QUALIFICATIONS CARD ISSUED BY THE ALABAMA DEPARTMENT OF TRANSPORTATION. ALL OTHER FIELD WELDS SHALL BE PERFORMED BY WELDERS WHO POSSESS CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION WELDERS QUALIFICATIONS CARDS.
12.

RIPRAP: THE RIPRAP APRON LENGTH AS REQUIRED ON SPECIAL DRAWING NUMBER RR-610 SHALL BE _____ FEET AT THE BEGINNING OF THE BRIDGE AND _____ FEET AT THE END OF THE BRIDGE.
13.

TRAFFIC PROTECTION: THE BRIDGE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TRAFFIC PROTECTION DURING CONSTRUCTION OF THE OVERPASS. ALL PROTECTORS SHALL BE ADEQUATELY FRAMED AND COVERED WITH $\frac{3}{8}$ " (MINIMUM) EXTERIOR GRADE PLYWOOD OR APPROVED EQUAL STRENGTH MATERIAL. THE VERTICAL CLEARANCE SHALL BE THE MAXIMUM OBTAINABLE BUT NOT LESS THAN 14'-0" UNLESS OTHERWISE SHOWN ON THE PLANS. THE EXACT VERTICAL CLEARANCE IS TO BE DETERMINED AFTER THE PROTECTORS HAVE BEEN DESIGNED. THE CONTRACTOR SHALL SUBMIT SKETCHES OF THE PROTECTION TO THE ENGINEER PRIOR TO CONSTRUCTION. ADDITIONALLY, TRAFFIC PROTECTION SHALL EXTEND 5'-0" INSIDE THE LIMITS OF REMOVAL OF EXISTING BRIDGES BEING WIDENED. SEE BRIDGE SPECIAL PROJECT DRAWING TP-1 FOR FURTHER DETAILS.

THE CONTRACTOR SHALL NOTIFY THE STATE MAINTENANCE ENGINEER IN MONTGOMERY FIVE (5) DAYS IN ADVANCE WHEN RESTRICTED VERTICAL CLEARANCE WILL BE EFFECTIVE AND ALSO THE DATE THE RESTRICTION IS REMOVED.

PAYMENT FOR TRAFFIC PROTECTION SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEM 510C AND SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR AND INCIDENTALS NECESSARY FOR CONSTRUCTION AND REMOVAL OF SAME.
14.

WELDED STUDS: ALL STUDS ON BEAMS AND GIRDERS SHALL BE ALIGNED WITH MAIN TRANSVERSE REINFORCING BARS. ANY GALVANIZING REQUIRED SHALL BE DONE AFTER STUD WELDING IS COMPLETED.
15.

DECK JOINTS: ALL BRIDGE DECK JOINTS SHALL BE SEALED WITH A QUALIFIED MATERIAL FROM LIST III-6, BRIDGE EXPANSION JOINT SYSTEMS, ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. TURN SEAL UP BETWEEN BARRIER RAILS AT GUTTERLINE TO EXTEND A MINIMUM OF 6" ABOVE BRIDGE DECK. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED IN PAY ITEM 510C.

16.

POURING CURBS, RAILS, AND SIDEWALKS: ALL SLAB CONCRETE SHALL BE POURED PRIOR TO POURING ANY CURBS, RAILS, OR SIDEWALKS ON ANY SIMPLE SPAN, OR ANY CONTINUOUS UNIT.
17.

REMOVING BRIDGE DECKS: THE EXISTING GIRDERS SHALL NOT BE DAMAGED IN ANY WAY DUE TO THE REMOVAL OF THE BRIDGE DECK. THE CONTRACTOR SHALL NOT USE ANY REMOVAL EQUIPMENT LARGER THAN A 70 POUND HAND HELD PAVEMENT BREAKER. THE HAMMER SIZE SHALL BE LIMITED TO 35 POUNDS WHEN WORKING WITHIN 6" OF THE BREAKLINE OR EDGE OF GIRDER. CARE SHALL BE TAKEN NOT TO DAMAGE THE CONCRETE AND STEEL REINFORCEMENT TO BE RETAINED. WHERE THE DECK IS BEING REMOVED BETWEEN GIRDERS FOR ARMOR JOINT REPLACEMENT, THE CONSTRUCTION JOINT SHALL BE TAPERED TOWARD THE BREAKOUT AREA TO PREVENT SPALLS ON THE UNDERSIDE OF THE SLAB. THE CONTRACTOR SHALL REPAIR CONCRETE SPALLS AND DAMAGED STEEL REINFORCEMENT, AT NO ADDITIONAL COST TO THE PROJECT, BY A METHOD APPROVED BY THE ENGINEER.
18.

SHOP DRAWINGS: STRUCTURAL STEEL DETAILS SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY, AND ARE NOT GUARANTEED BY THE STATE TO BE ENTIRELY COMPLETE AND CORRECT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CORRECT SHOP DRAWINGS AND DETAIL DIMENSIONS TO FIT THE STRUCTURE. ATTENTION IS CALLED TO SECTION 105, PARTICULARLY ARTICLE 105.02, AND ARTICLE 836.14 OF THE SPECIFICATIONS.
19.

COLUMN REINFORCING BARS: WHEN THE CAP IS NOT MORE THAN TWO (2) INCHES WIDER ON EACH SIDE OF THE COLUMN, THE FOLLOWING SHALL APPLY: COLUMN BARS SHALL BE TIED TO THE TOP FEW COLUMN HOOPS IN A MANNER THAT WILL ALLOW COLUMN BARS TO CLEAR CAP REINFORCING AND BE LOCATED INSIDE OF CAP REINFORCING.
20.

MANDATORY NOTCH TOUGHNESS REQUIREMENTS FOR STRUCTURE STEEL: MEMBERS AS SPECIFIED IN SECTION 836.01 (b) 1 OF CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS SHALL MEET THE LONGITUDINAL CHARPY V-NOTCH TEST. A MEMBER SHALL BE ORDERED WITH ADDITIONAL LENGTH SO THE CONTRACTOR CAN FURNISH THE BUREAU OF MATERIALS AND TESTS AN EIGHTEEN (18) INCH SAMPLE FOR CHECK TESTING.
21.

PRESTRESSED CONCRETE GIRDERS WITH POURED-IN-PLACE DECK:

(A)

SHOP DRAWINGS: SHOP DRAWINGS SHALL BE SUBMITTED AND SHALL SHOW A COMPLETE DETENSIONING SCHEDULE THAT WILL MINIMIZE TENSION IN THE CONCRETE DURING RELEASE OF THE STRANDS. DETAILED CONCRETE STRESSES DURING EACH OPERATION OF DETENSIONING SHALL BE SUBMITTED WITH THE DRAWINGS. THE SHOP DRAWINGS SHALL SHOW COMPLETE GIRDER DETAILS INCLUDING SHIELDING AND ALL REINFORCING AND STRUCTURAL STEEL.

(B)

FORMS: ALL GIRDERS SHALL BE CAST ON CONCRETE FLOORED PALLETS AND IN METAL FORMS.

(C)

FINISH: THE ENTIRE TOP OF THE GIRDERS SHALL BE SCRUBBED TRANSVERSELY TO A FULL MAGNITUDE OF APPROXIMATELY $\frac{1}{4}$ " AT THE TIME OF INITIAL SET TO REMOVE ALL LAITANCE AND TO PROVIDE A ROUGHENED SURFACE. THE USE OF ALL MEMBRANE CURING COMPOUND SHALL NOT BE PERMITTED ON THE TOP OF THE TOP FLANGE OF PRESTRESSED GIRDERS.

(D)

SCARIFYING: GIRDER SIDES AT EDGE BEAMS/END WALLS SHALL BE SCARIFIED FOR BONDING AFTER GIRDERS HAVE BEEN ERECTED AND FORM LINES HAVE BEEN ESTABLISHED.

(E)

INSERTS: INSERTS ENCASED IN TOP OF EXTERIOR GIERDERS FOR USE IN FORMING OVERHANG WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL.

(F)

MISC. HARDWARE: ACCESSORIES ENCASE IN GIRDERS FOR USE IN ATTACHING ANY TEMPORARY BRACING WILL BE CONSIDERED ON GIRDER DETAILS SUBMITTED FOR APPROVAL. AFTER TEMPORARY BRACING IS REMOVED, ANY HOLES THAT EXIST SHALL BE GROUTED AND SURFACE RUBBED TO A NEAT FINISH.
22.

CONCRETE PEDESTALS: CONCRETE PEDESTALS MAY BE POURED CONCURRENTLY WITH THE CAP OR POURED SEPARATELY IF A TYPE II EPOXY ADHESIVE IS APPLIED TO THE CONSTRUCTION JOINT JUST PRIOR TO POURING THE PEDESTALS.
23.

ANCHOR BOLT INSTALLATION: WELLS ARE REQUIRED FOR THE PLACEMENT OF ANCHOR BOLTS. SEE SECTION 508.03 (d) 2e OF THE STANDARD SPECIFICATIONS FOR FURTHER REQUIREMENTS.
24.

BRIDGE DECK FINISH: THE FINAL BRIDGE DECK FINISH BEHIND THE SCREED SHALL BE OBTAINED BY BURLAP DRAG TO MATCH THE EXISTING DECK FINISH.
25.

YEAR OF COMPLETION AND REFERENCE MARK: THE YEAR OF COMPLETION OF THIS STRUCTURE, AND THE PERMANENT REFERENCE MARK, AS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING BBR-1 OR BBR-2 AND SBD-1 ARE REQUIRED FOR THIS STRUCTURE.
26.

DRILLED SHAFTS: EXTERIOR SURFACES OF PERMANENT CASINGS FOR DRILLED SHAFTS SHALL BE COATED (PRIMER COAT ONLY) FROM THE TOP OF THE CASING DOWN TO _____.

27.

METAL STAY-IN-PLACE FORMS: THIS STRUCTURE HAS BEEN DESIGNED TO ALLOW THE USE OF METAL STAY-IN-PLACE FORMS AT THE CONTRACTOR'S OPTION. SEE SUB-ARTICLE 501.03 (I) OF THE SPECIFICATIONS FOR NECESSARY DETAILS AND REQUIREMENTS. NO FIELD WELDING WILL BE PERMITTED ON STRUCTURAL STEEL MEMBERS UNLESS OTHERWISE NOTED ON THE BRIDGE DRAWINGS. THE CONTRACTOR SHALL EXERCISE CARE WHEN INSTALLING STAY-IN-PLACE FORMS TO INSURE THAT NO FIELD WELDS OR ARC STRIKES OCCUR ON THE STRUCTURAL STEEL MEMBERS.
28.

SUBSURFACE INVESTIGATION: GENERAL SOIL STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL SECTION OF THE BUREAU OF MATERIALS AND TESTS OR FOUNDATION CONSULTANTS AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS.

THE OBSERVED WATER LEVELS AND CONDITIONS INDICATED ON THE SOIL PROFILE AND BORING LOGS ARE AS RECORDED AT THE TIME OF EXPLORATION. THESE WATER LEVELS AND CONDITIONS MAY VARY CONSIDERABLY, WITH TIME, ACCORDING TO THE PREVAILING CLIMATE, RAINFALL OR OTHER FACTORS AND ARE OTHERWISE DEPENDENT ON THE DURATION OF AND THE METHODS USED IN THE EXPLORATION PROGRAM.

SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREIN. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGMENT OF THE CONTRACTOR.
29.

FOUNDATION REPORT: ACCESS TO A FOUNDATION REPORT AND CORE BORINGS FOR THIS PROJECT CAN BE ARRANGED BY CONTACTING THE GEOTECHNICAL SECTION OF THE ALABAMA DEPARTMENT OF TRANSPORTATION.
30.

GIRDER ERECTION: THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STABILITY AND POSITIONAL CORRECTNESS (PLUMBNESS, ALIGNMENT, ETC.) OF THE GIRDERS DURING ALL PHASES OF CONSTRUCTION. ANY TEMPORARY BRACING AND/OR SUPPORT DEEMED NECESSARY BY THE CONTRACTOR TO ENSURE THE ABOVE UNTIL CONSTRUCTION IS COMPLETE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE STATE. WORKING DRAWINGS FOR BRACING SHALL BE SUBMITTED IN ACCORDANCE WITH ARTICLE 501.03 (I) OF THE STANDARD SPECIFICATIONS.
31.

FIELD WELDING: NO FIELD WELDING WILL BE PERMITTED ON STEEL SUPER-STRUCTURE ELEMENTS UNLESS OTHERWISE NOTED ON THE BRIDGE PLANS OR APPROVED IN WRITING BY THE BRIDGE ENGINEER.
32.

OLD BRIDGE REMOVAL: IN ADDITION TO THE SPECIFICATION REQUIREMENTS FOR REMOVING THE OLD BRIDGE, ANY OF THE EXISTING BRIDGE SUBSTRUCTURE THAT INTERFERES WITH THE CONSTRUCTION OF THE REQUIRED BRIDGE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS FOR THIS WORK SHALL BE INCLUDED IN PAY ITEM 206A, REMOVAL OF OLD BRIDGE.
33.

OMIT

NOTE:
REFER TO BRIDGE PLANS FOR NOTE
NUMBERS APPLICABLE TO THE PROJECT.

ALABAMA DEPARTMENT
OF TRANSPORTATION



REVISIONS
1. REVISE NOTE 15 MJH 10/21/24

THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:
PROJECT NO. SCP 59-959-24
COUNTY(S) SHELBY

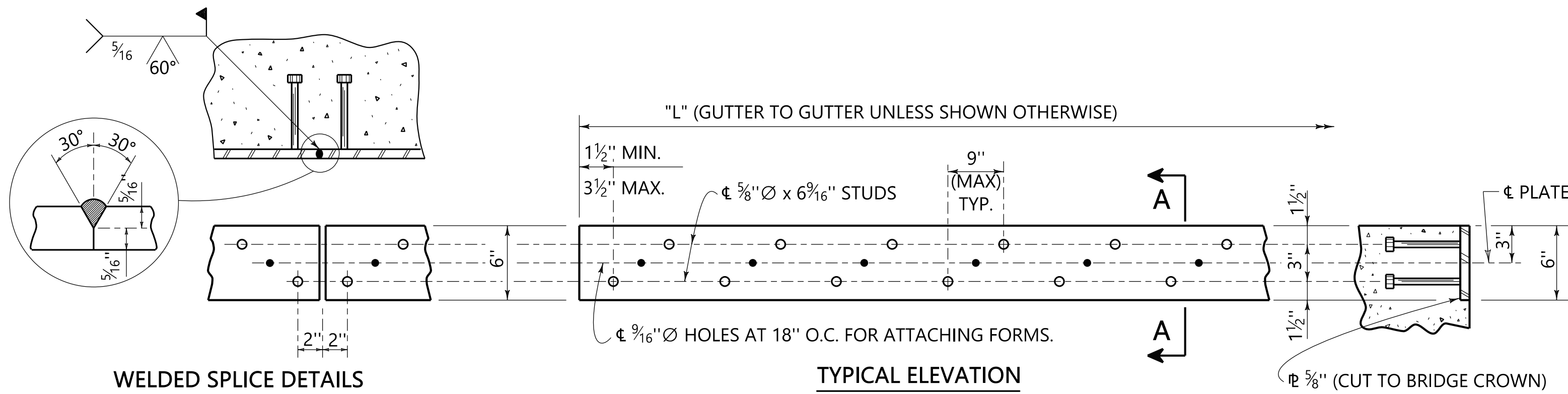
THESE DRAWINGS REPRESENT DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND ARE NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE SUCH USE. ANYONE MAKING UNAUTHORIZED USE OF THESE DRAWINGS MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

STANDARD BRIDGE NOTES	ASSISTANT BRIDGE ENGINEER <i>J. Wallin</i> 1/28/25 DATE	BRIDGE ENGINEER <i>W. P. Boyner</i> 1/28/25 DATE
	BRIDGE SPECIAL PROJECT DRAWING	
	SBN-1	SHEET 1 OF 1

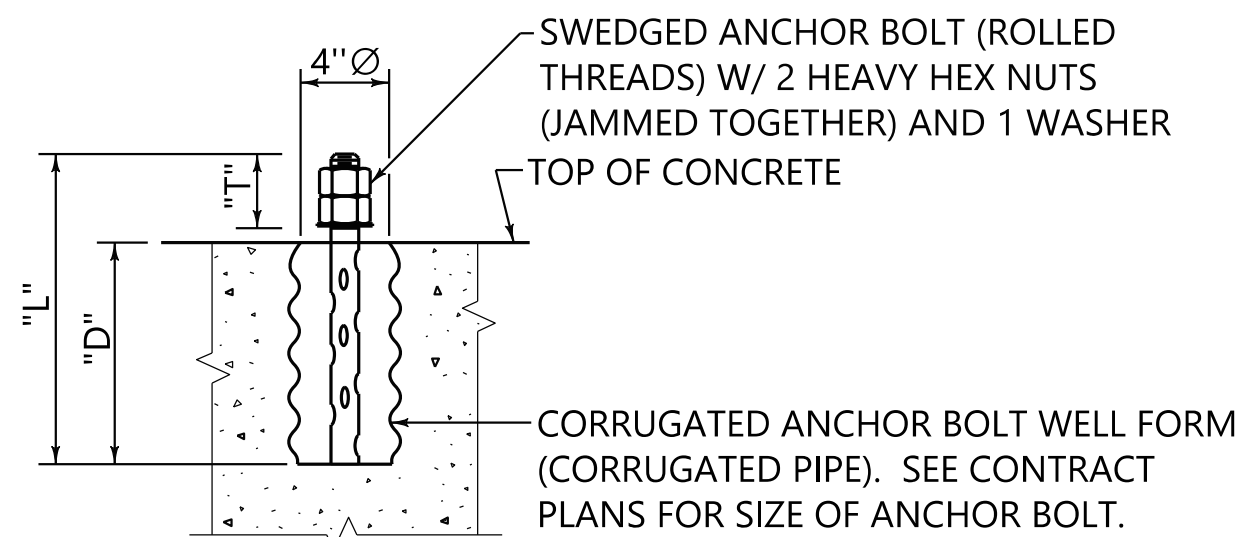
\\brvms002\BridgeStandard\Special\Bridge Special DGN\New for 2025\SBD-1 Standard Bridge Details.dgn

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SHEET REFERENCE



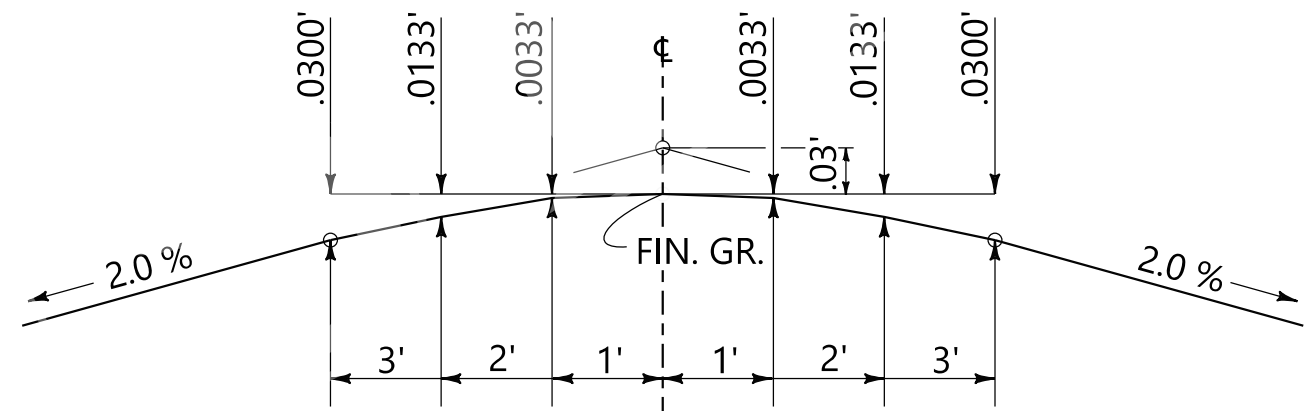
SECTION A - A



ANCHOR BOLT AND WELL DETAIL

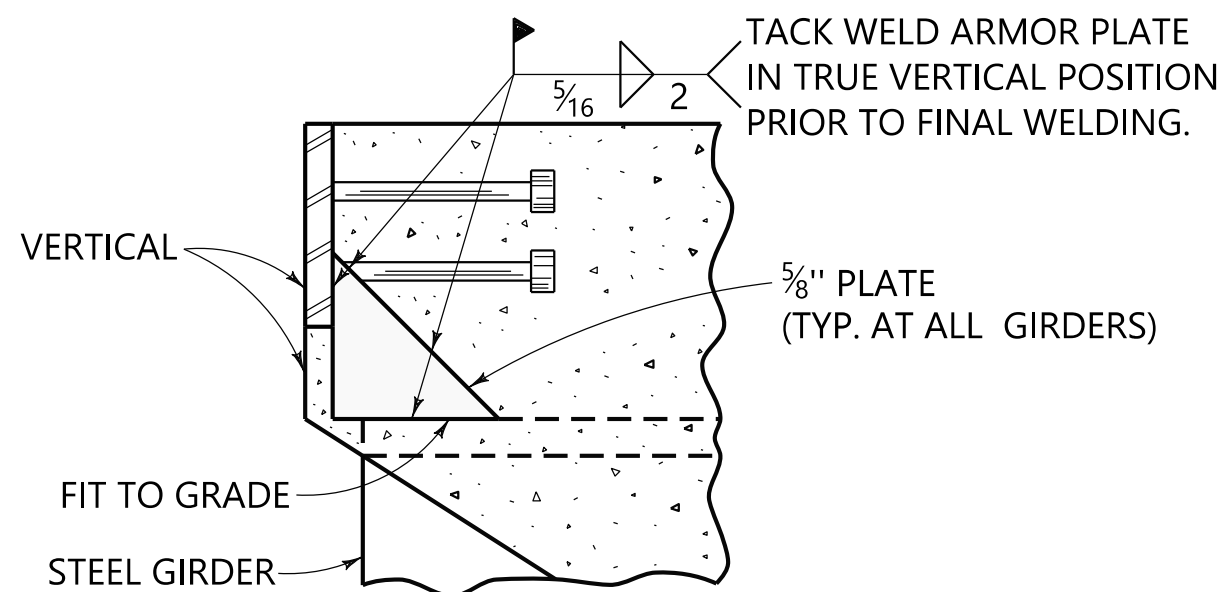
NTS

ANCHOR BOLT DIMENSIONS				
BOLT TYPE	NOM. DIA.	LENGTH "L"	THREADS "T"	EMBED "D"
AB-1	1"	2'-0"	6"	1'-4"
AB-2	1 1/4"	2'-3"	7"	1'-6"
AB-3	1 1/2"	2'-7"	8"	1'-9"



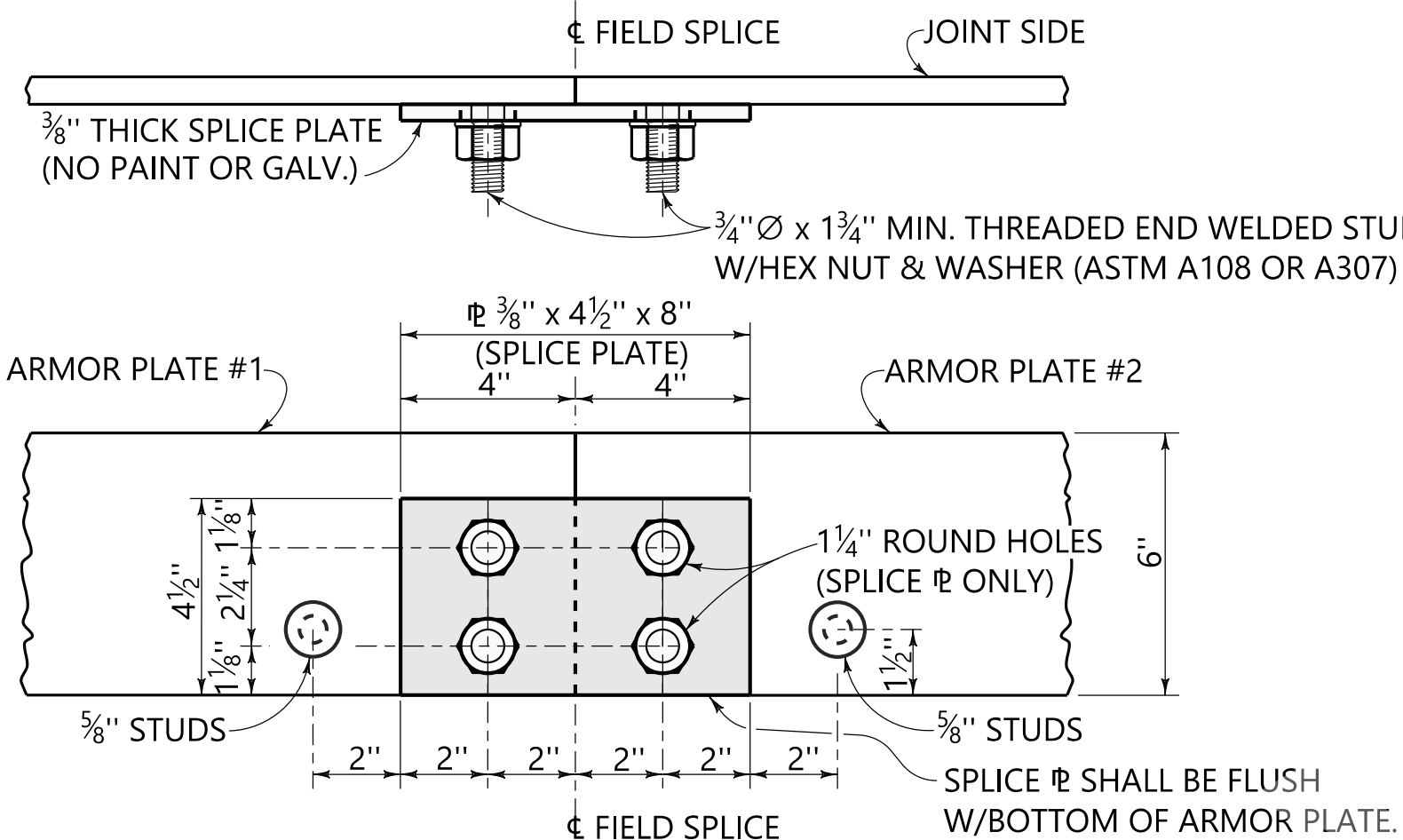
6' PARABOLIC CROWN ORDINATES WITH 2.0% SIDE SLOPE

NTS



ARMOR PLATE CONNECTION DETAIL

NTS

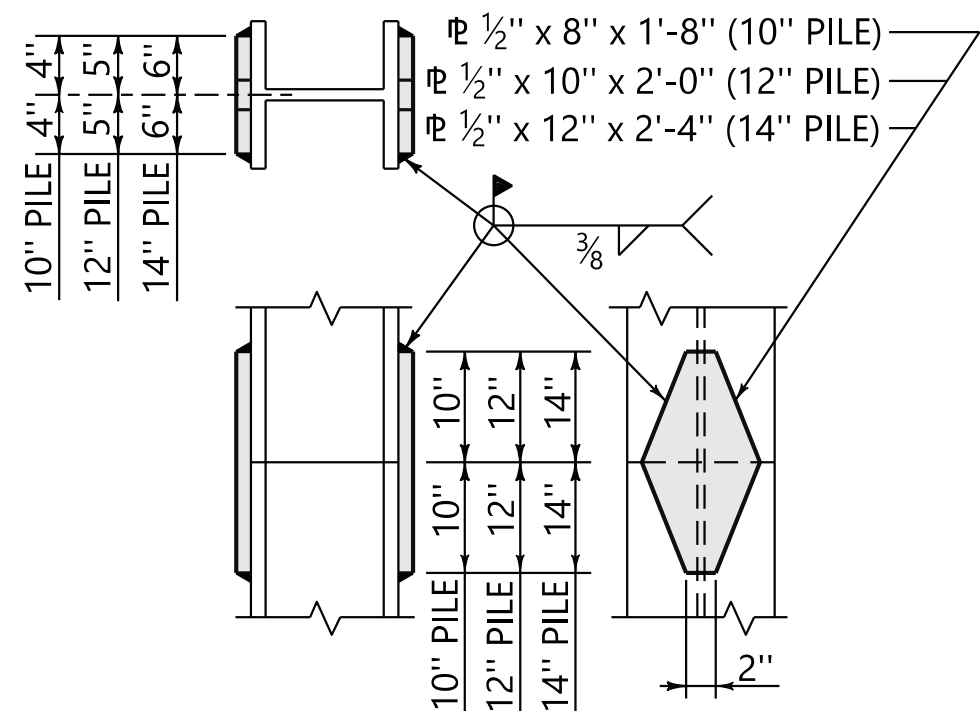


OPTIONAL BOLTED FIELD SPICE

NTS

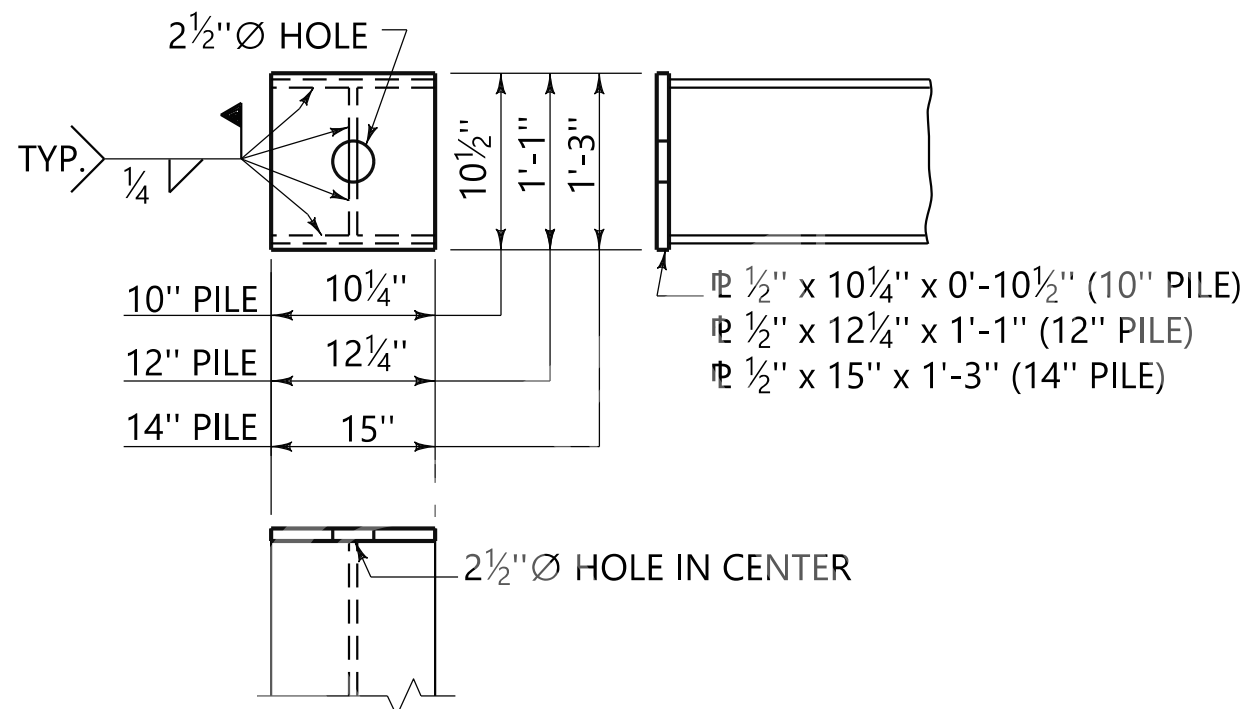
BRIDGE JOINT ARMOR PLATE

NTS



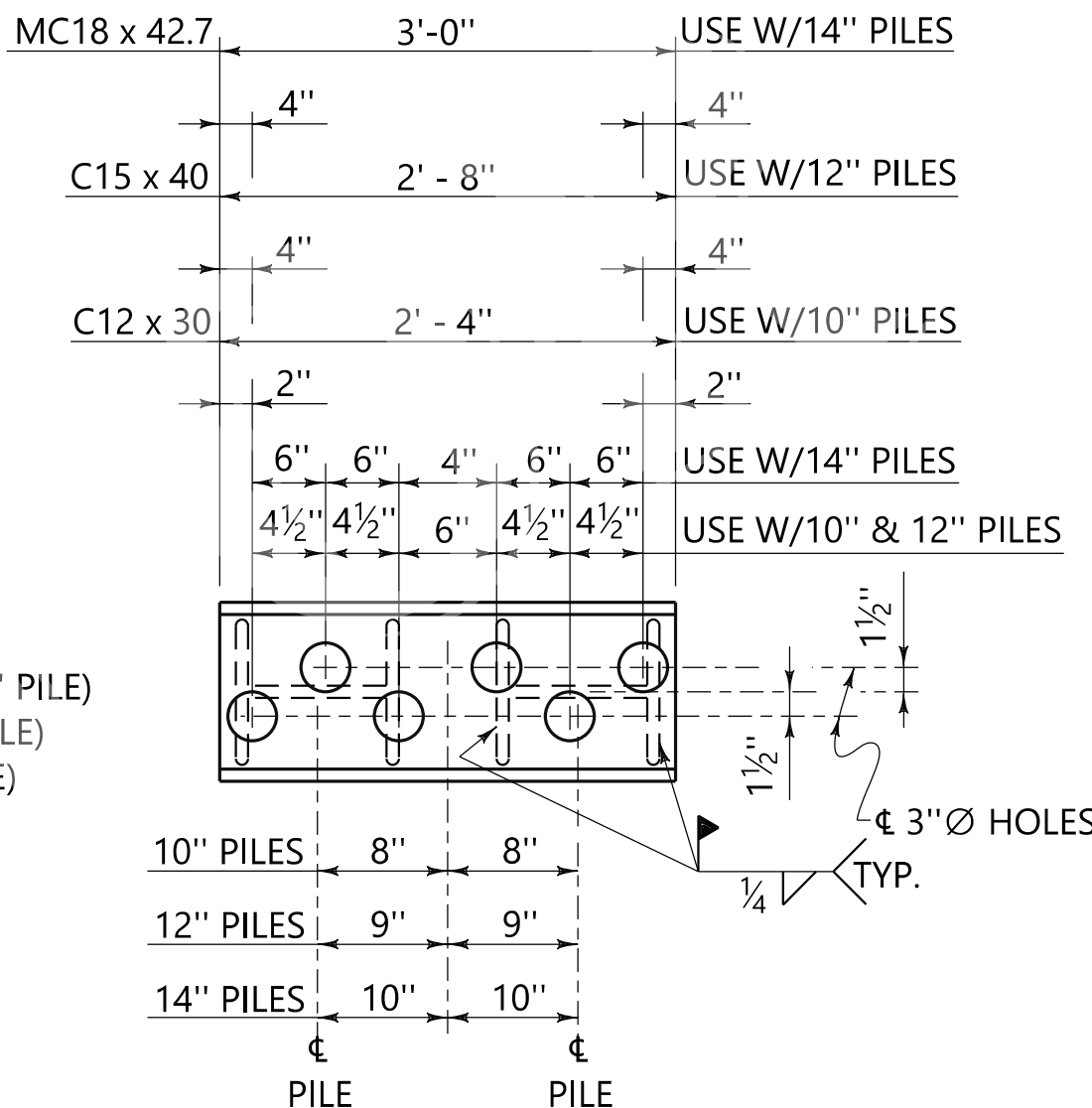
PILE SPICE DETAIL

NTS



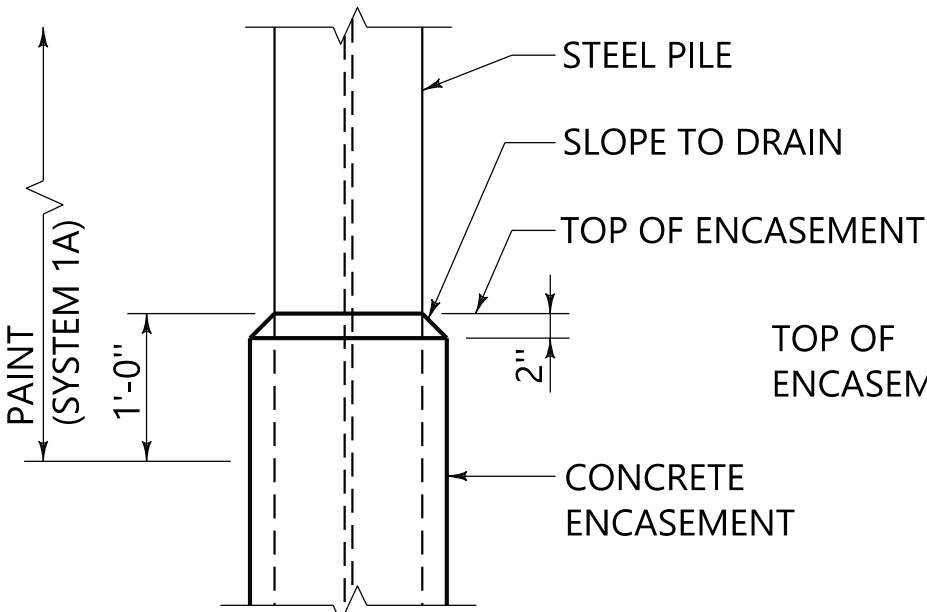
PILE CAP PLATE

NTS



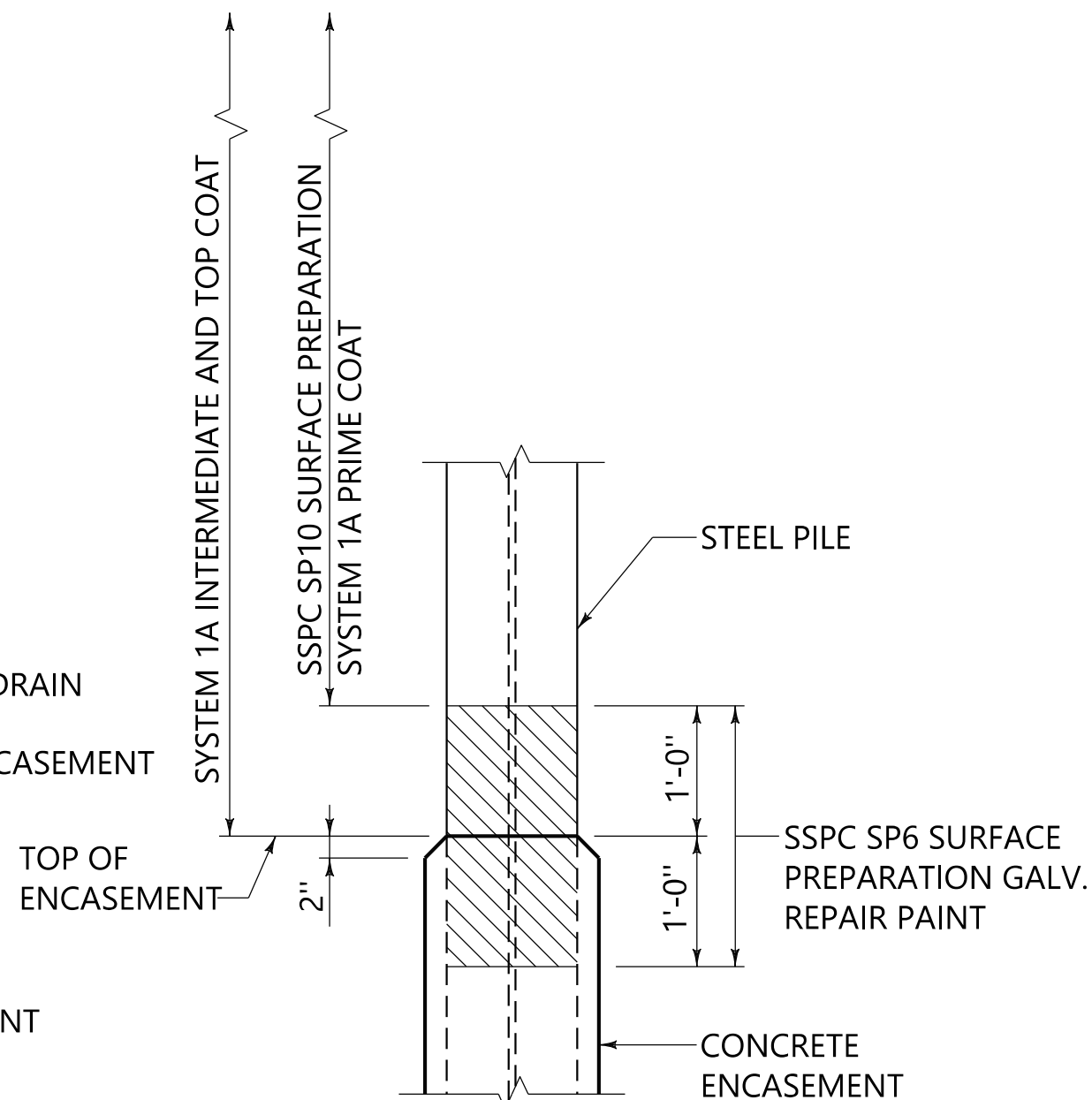
PILE CAP CHANNEL

NTS



PILE PAINTING DETAIL

(OPTION "A")



PILE PAINTING DETAIL

(OPTION "B")

PILE PAINTING DETAIL NOTES

NTS

NOTES:

ARMOR PLATE

1. ANY BURRS ON ROADWAY EDGE OF ARMOR ϕ SHALL BE GROUND SMOOTH.
2. ON AN ARMOR PLATE WHERE A WELDED SPICE IS USED, PLACE ONE (1) STUD TWO INCHES (2") EACH SIDE OF THE WELDED SPICE ϕ AS SHOWN.
3. A FULL PENETRATION GROOVE WELD SHALL BE USED FOR SHOP WELDED SPICES.
4. FIELD SPICES SHALL NOT BE LOCATED INSIDE THE LIMITS OF PARABOLIC CROWNS UNLESS OTHERWISE SHOWN BY PLAN DETAILS.
5. ARMOR PLATES SHALL BE GALVANIZED ACCORDING TO AASHTO M 111 AND THE FOLLOWING, UNLESS OTHERWISE NOTED ON THE CONTRACT PLANS: THE ARMOR PLATE SHALL BE RETURNED TO THE FABRICATION SHOP FOR INSPECTION AFTER GALVANIZATION, AREAS WHICH ARE TO BE WELDED AFTER GALVANIZATION SHALL HAVE THE GALVANIZATION REMOVED PRIOR TO WELDING, IF THE FIELD SPICE IS WELDED, COLD GALVANIZATION SHALL BE USED TO REPAIR THESE AREAS AND ANY DAMAGED AREAS, AND NUMBER OF BOLTED FIELD SPICES SHALL BE HELD TO A MINIMUM DEPENDENT ON CONSTRUCTION REQUIREMENTS AND APPROVAL OF THE ENGINEER.
6. WEIGHT OF OPTIONAL BOLTED SPICE PLATE AND 3/4" Ø x 1 3/4" STUDS WILL NOT BE MEASURED FOR PAYMENT. COST SHALL BE INCLUDED IN PAYMENT FOR ARMOR PLATES.
7. STEEL FOR ARMOR PLATES SHALL BE GRADE 36 OR BETTER. PAYMENT SHALL BE INCLUDED IN PAY ITEM 508A, LBS., STRUCTURAL STEEL.

ANCHOR BOLTS

8. ANCHOR BOLTS DIMENSIONED FOR USE WITH STANDARD BEARINGS SHOWN ON BRIDGE SPECIAL PROJECT DRAWING SPGD-1. ANCHOR BOLTS MAY BE USED WITH OTHER BEARING DESIGNS BUT COMPATIBILITY MUST BE VERIFIED BY THE DESIGNER.
9. SWEDGED ANCHOR BOLTS W/2 HEAVY HEX NUTS AND 1-WASHER EACH SHALL BE INCLUDED IN PAY ITEM 508A, LBS., STRUCTURAL STEEL.
10. SWEDGED ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M 232. DAMAGED GALVANIZED SURFACES NOT TO BE ENCASED IN CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH STANDARD SPECIFICATION 855.15.
11. SWEDGED ANCHOR BOLTS SHALL BE SET IN 4" Ø ANCHOR BOLT WELLS.
12. PROVIDE EACH ANCHOR BOLT WELL WITH A READILY REMOVABLE WATERTIGHT CAP, DETAILS TO BE APPROVED BY THE ENGINEER. THE FORMWORK, DEBRIS AND STANDING WATER SHALL BE REMOVED FROM EACH WELL IMMEDIATELY PRIOR TO CAPPING. IT IS MANDATORY THAT CAPS BE IN PLACE THROUGHOUT PERIODS DURING WHICH BELOW FREEZING TEMPERATURES CAN BE EXPECTED TO OCCUR. THE CONTRACTOR SHALL ENSURE THAT ANY WATER TRAPPED IN THE WELLS DOES NOT FREEZE.
13. REMOVE CORRUGATED WELL FORM PRIOR TO GROUTING ANCHOR BOLTS. DO NO GROUT ANCHOR BOLTS UNTIL GIRDERS HAVE BEEN COMPLETELY ERECTED, ADJUSTED IF NECESSARY AFTER ERECTION AND APPROVED BY THE ENGINEER.

PILE CAP CHANNELS & PLATE

14. PILE CAP PLATE MAY BE CUT FROM PILE CUT-OFF. PAYMENT FOR PILE CAP PLATES AND PILE CAP CHANNELS ARE INCLUDED IN PAY ITEM 508A, LBS., STRUCTURAL STEEL. SHOP DRAWINGS ARE NOT REQUIRED FOR PILE CAP PLATES.

PILE SPICE PLATE

15. AT THE CONTRACTOR'S OPTION, A PRE-FABRICATED H-PILE SPLICER MAY BE USED IN LIEU OF THE SPICE SHOWN. THE CONTRACTOR SHALL CHOOSE A SPLICER FROM THE ALDOT MISCELLANEOUS APPROVED PRODUCTS LIST OR SHALL FURNISH THE MANUFACTURER'S SPLICER DETAILS AND RECOMMENDATIONS FOR INSTALLATION TO THE CONSTRUCTION ENGINEER FOR APPROVAL.

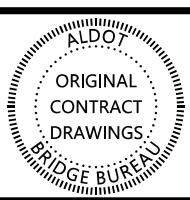
16. PILE SPICE PLATES MAY BE CUT FROM PILE CUT-OFF. ENDS OF PILES TO BE BURNED SQUARE AND BUTT WELDED BY A WELDER POSSESSING AN ALDOT WELDER QUALIFICATION CARD.

17. PILE SPICES SHALL ONLY BE USED BELOW GRADE WITH THE EXCEPTION OF TEST PILES.

PILE PAINTING

18. THE SYSTEM 1A INTERMEDIATE AND TOP COAT MAY BE OMITTED WHENEVER CONCRETE ENCASEMENT EXTENDS TO WITHIN 6" FROM BOTTOM OF CAP.
19. HATCHED SURFACE (1'-0" ABOVE & BELOW TOP OF ENCASEMENT) SHALL RECEIVE A SSPC SP6 SURFACE PREPARATION PRIOR TO BEING COATED WITH AN APPROVED GALV. REPAIR PAINT THAT SATISFIES THE REQUIREMENTS OF SUB-ARTICLE 855.15 OF THE STANDARD SPECIFICATIONS.
20. SURFACE PREPARATION AND PAINTING FOR PILE AND SWAY BRACING SHALL BE FIELD APPLIED.

ALABAMA DEPARTMENT OF TRANSPORTATION



REVISIONS

1. DELETED JOINT SEAL NOTE AND DETAIL, REVISED NOTE 14 AND DELETED NOTE 22. MJH 10-22-24

THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:

PROJECT NO. SCP 59-959-24
COUNTY(S) SHELBY

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BRIDGE STANDARD DETAILS

BRIDGE SPECIAL PROJECT DRAWING

SBD-1

SHEET 1 OF 2

ASSISTANT BRIDGE ENGINEER

J. Waller 1/28/25
DATE

BRIDGE ENGINEER

W. P. Williams 1/28/25
DATE

NOTES:

MISCELLANEOUS SLAB DETAILS

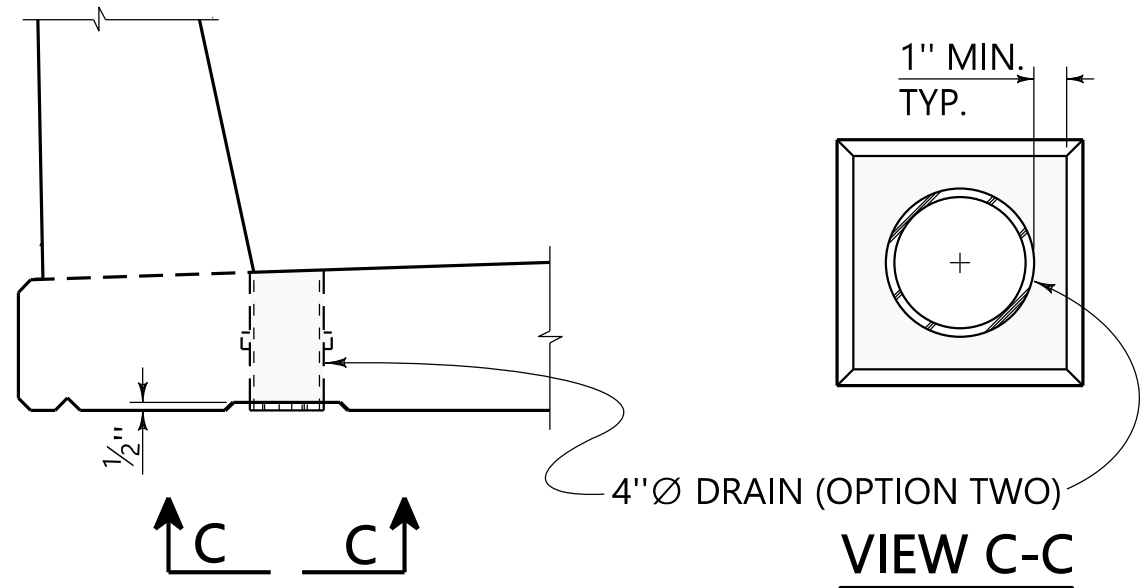
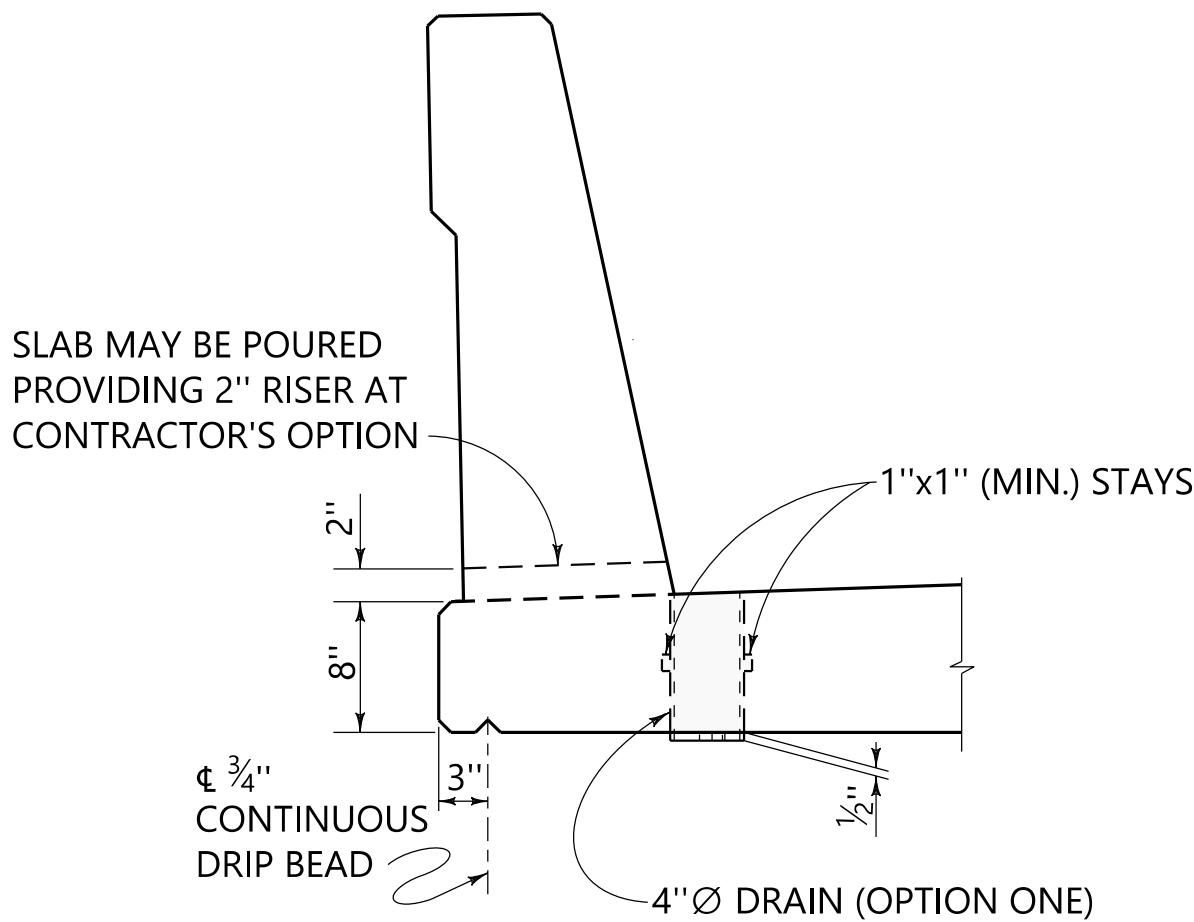
1. DRAIN SHALL BE WHITE OR GRAY PVC (SANITARY) SEWER PIPE (ARTICLE 854.11). LOCATE AND ATTACH TWO (2) 1" x 1" (MIN.) STAYS 180° APART, AS SHOWN. STAYS SHALL BE MADE FROM PVC PIPE AND BONDED WITH PVC SOLVENT CEMENT. OMIT DRAINS OVER TRAFFIC LANES, UNPROTECTED SLOPE FILLS, HIGH SIDE IF SUPERELEVATED AND WITHIN 10'-0" OF BRIDGE ENDS AND 5'-0" OF INTERIOR BRIDGE JOINTS. SPACE @ 5'-0" O.C. UNLESS SHOWN OTHERWISE ON THE CONTRACT PLANS.

PERMANENT REFERENCE MARK

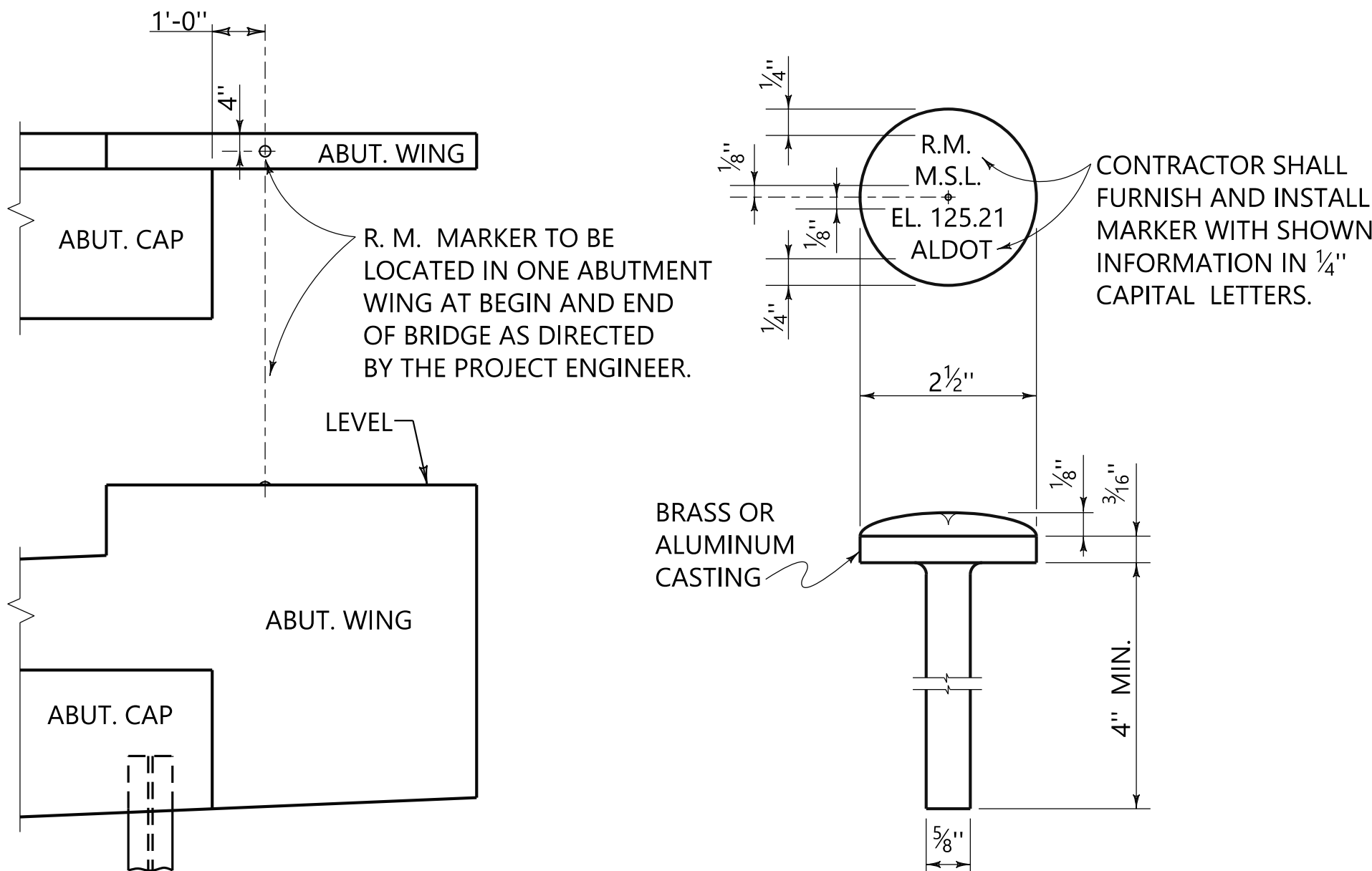
2. BRASS MARKER TO BE CAST IN ONE PIECE, OUT OF LEADED-SEMI-RED BRASS ASTM B584 ALLOY 848 OR APPROVED EQUAL. ALUMINUM DISC SHALL BE ALUMINUM ALLOY CS 208 IN ACCORDANCE WITH ASTM B26 OR APPROVED EQUAL.
3. INFORMATION AND FIELD STENCILING (ILLUSTRATED IN LIGHT WT. LETTERS) SHALL BE THE RESPONSIBILITY OF THE STATE (COUNTY ON COUNTY PROJECTS).

PAVING SEAT

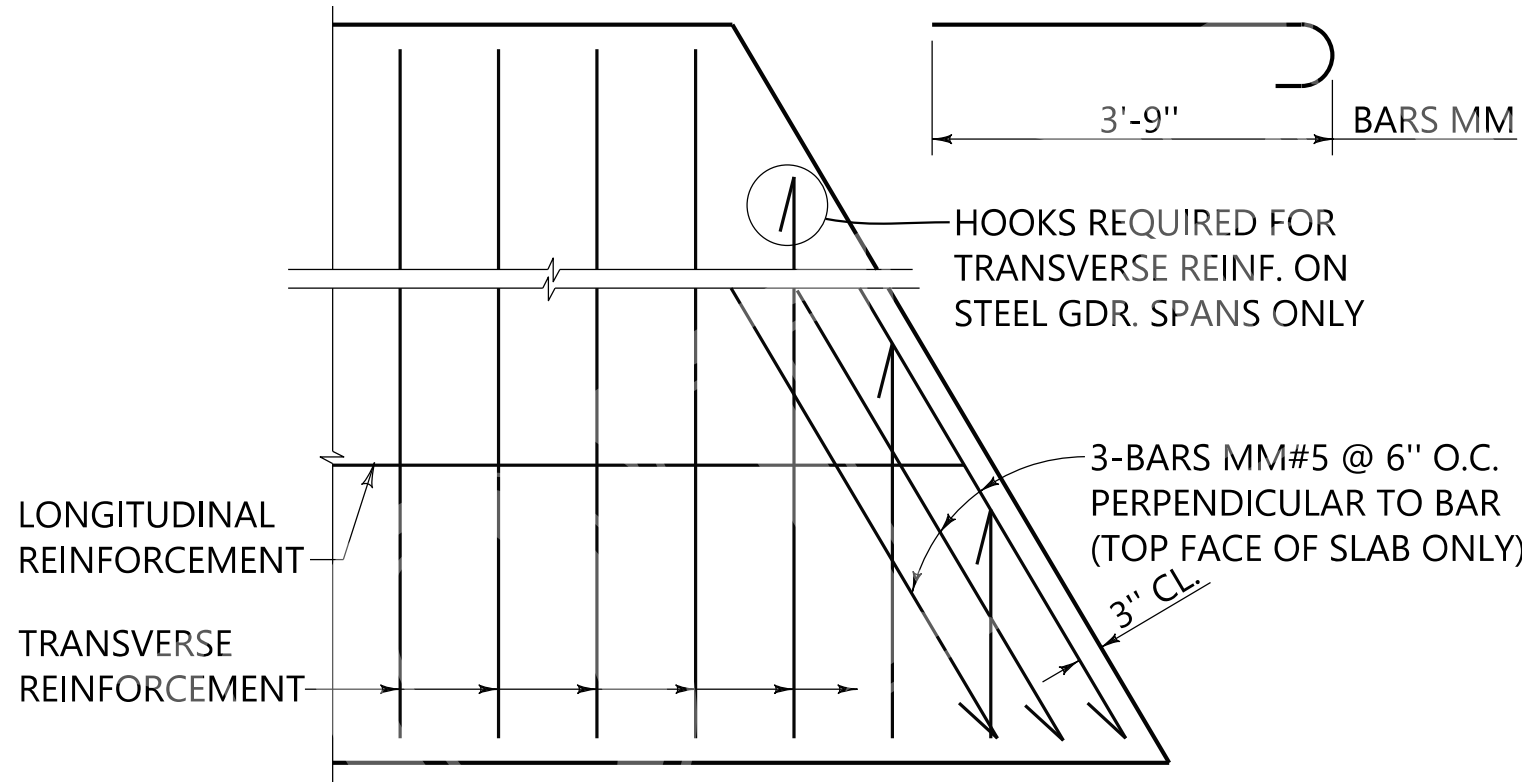
- △ 4. PAVING SEATS NOT USED WHEN BRIDGE JOINT IS ON INSIDE OF ABUTMENT BACKWALL. SEE BRIDGE SPECIAL PROJECT DWG. TYPE BES-450(IJ)
- ⊕ 5. APPLIES TO BRIDGE JOINT ON OUTSIDE OF ABUTMENT BACKWALL ONLY. SEE BRIDGE SPECIAL PROJECT DWG. TYPE BES-450(OJ)
6. SEE BRIDGE SPECIAL PROJECT DWG. SERIES EBW FOR DETAILS.



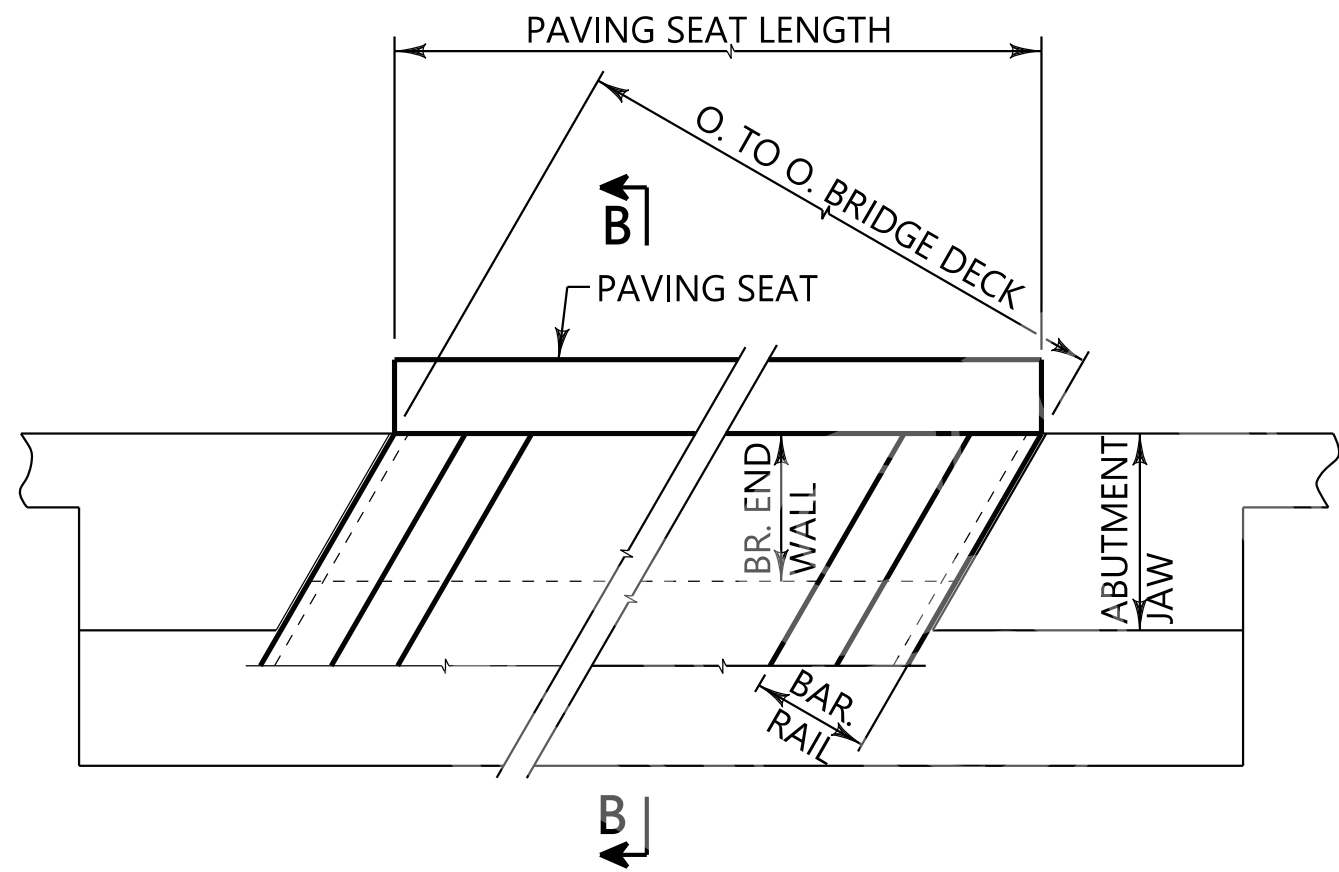
MISCELLANEOUS SLAB DETAILS
NTS



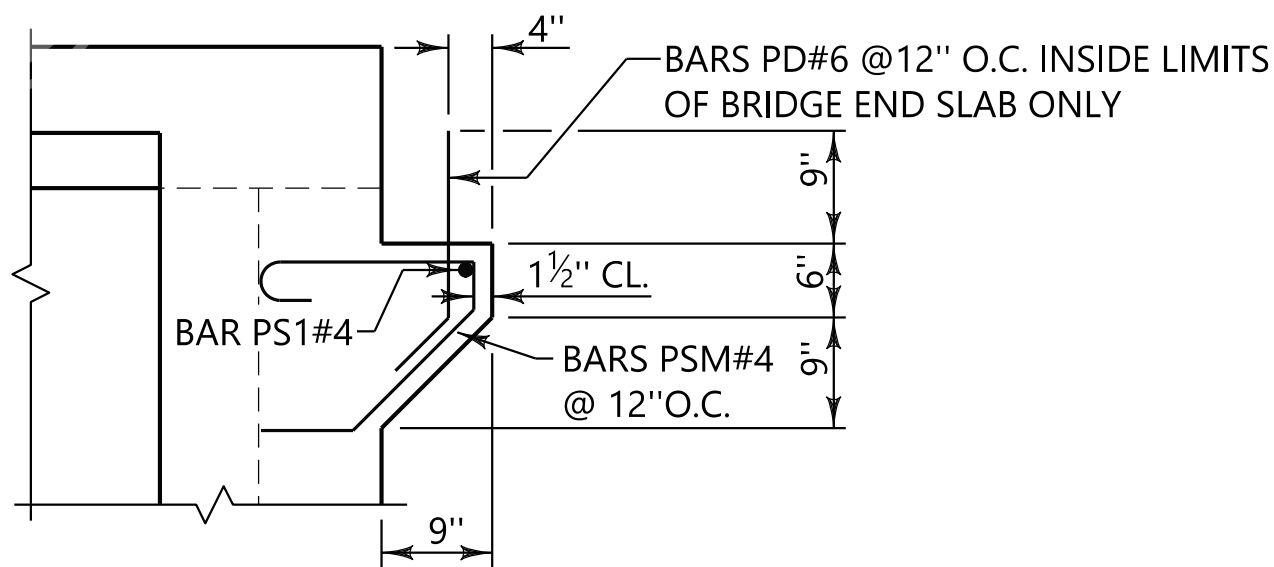
PERMANENT REFERENCE MARK DETAIL
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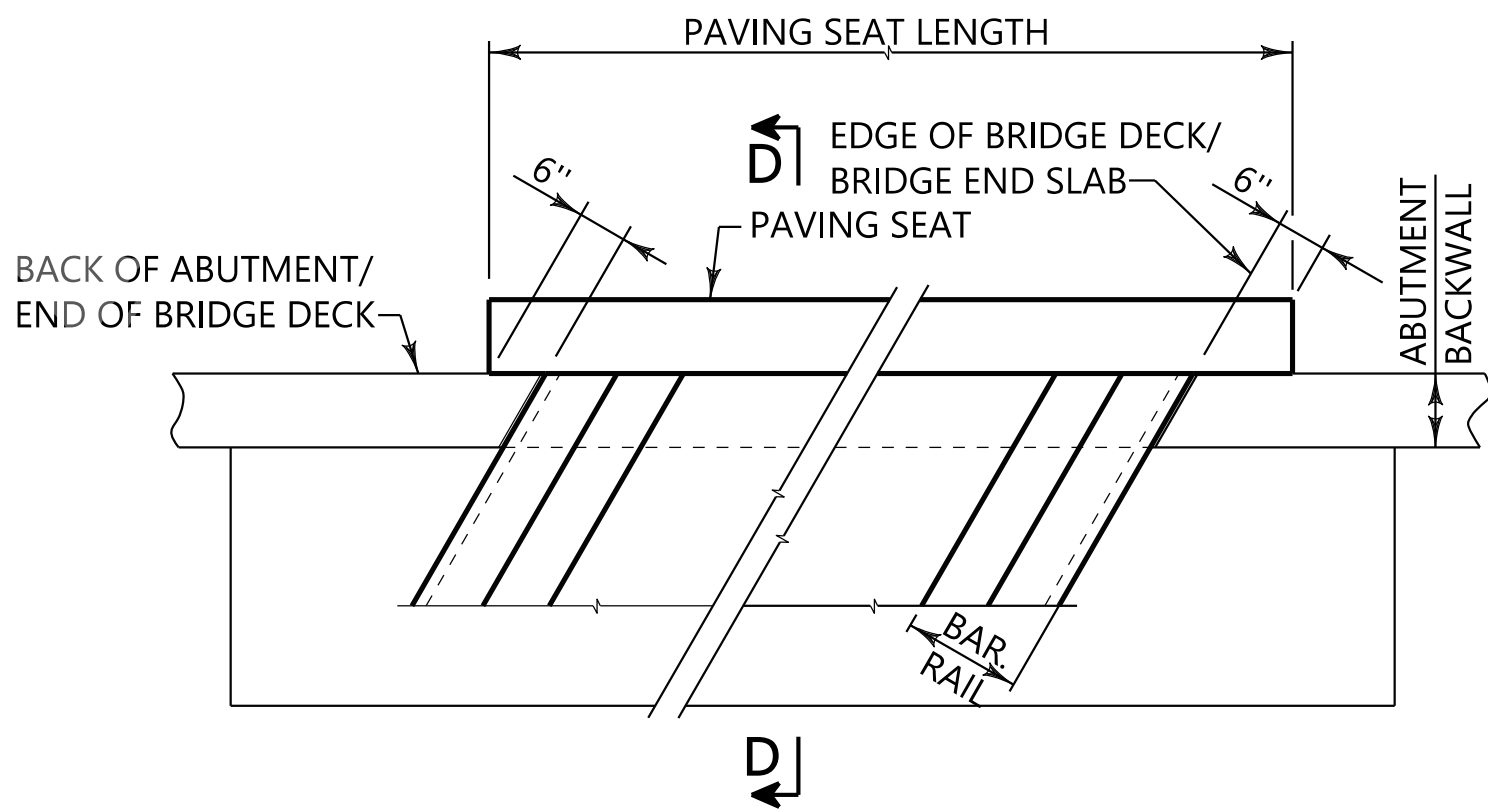
TYP. END OF DECK REINFORCEMENT DETAIL
WHEN BRIDGE IS SKEWED GREATER THAN 25°
NTS



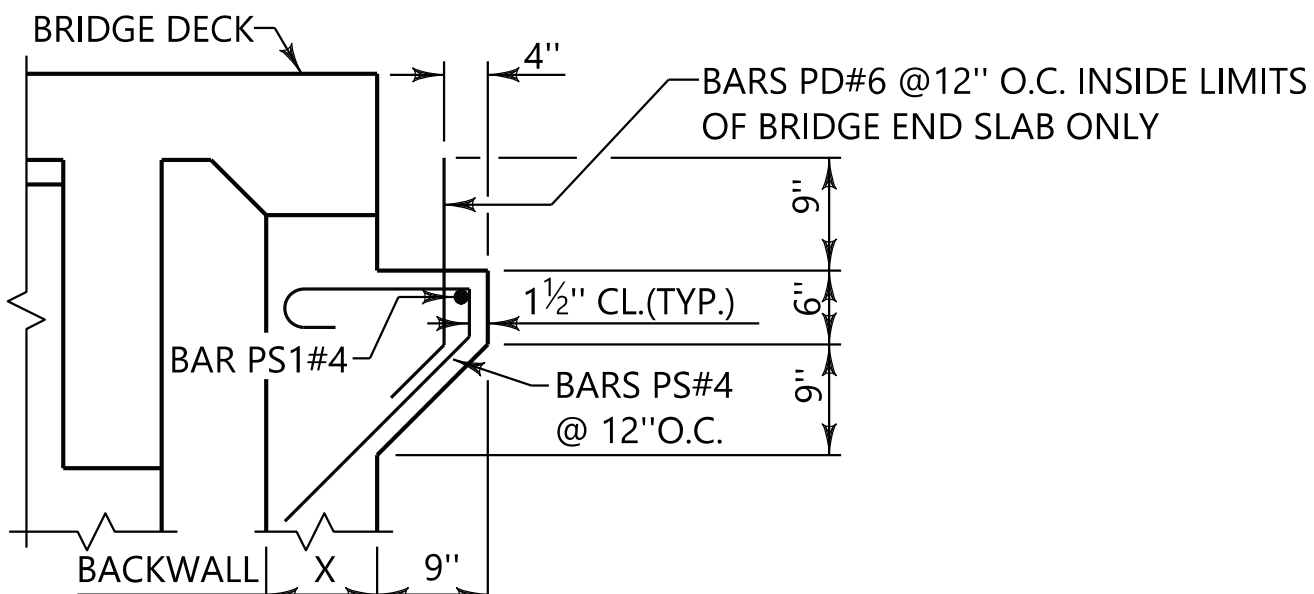
⊕ PLAN - ENDWALL TYPE ABUTMENT
NTS



SECTION B-B
NTS

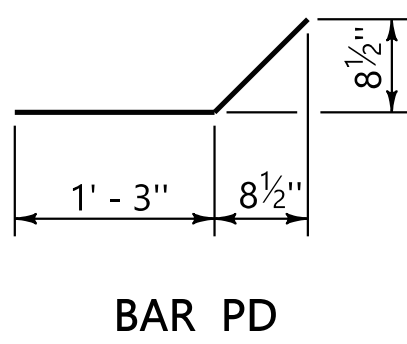
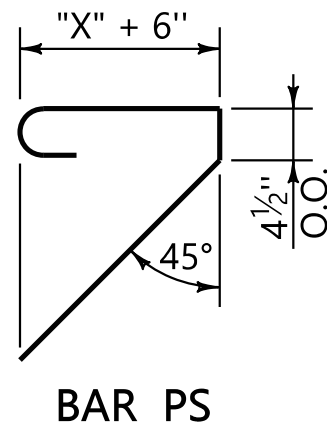
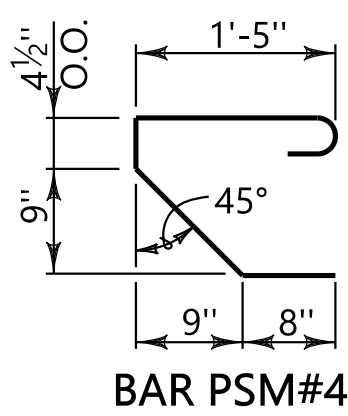


△ PLAN - BACKWALL TYPE ABUTMENT
NTS



SECTION D-D
NTS

PAVING SEAT DETAILS



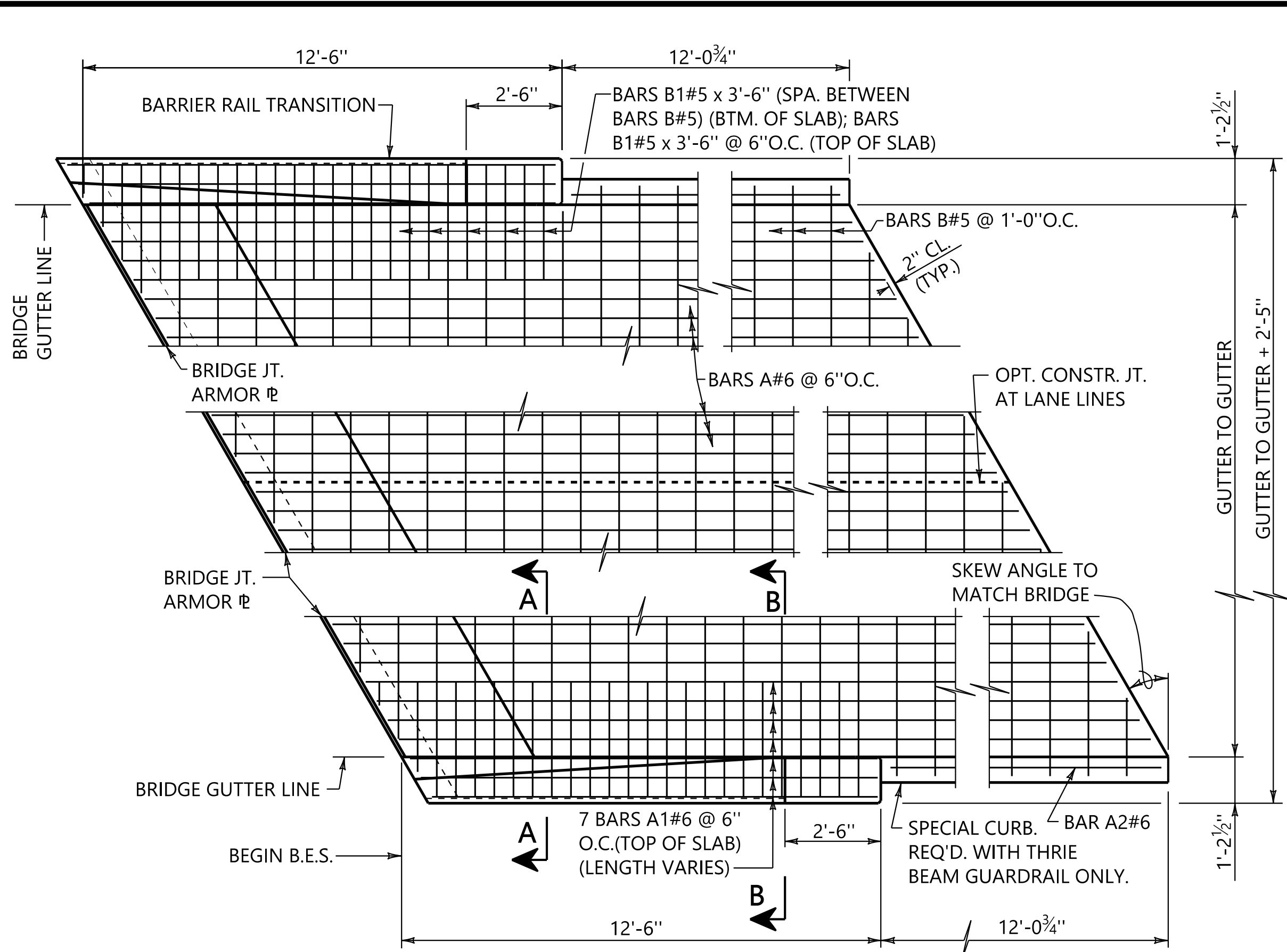
REVISIONS

1. REVISED SKEW DEGREE IN DECK REINFORCEMENT KCM 12/14/21

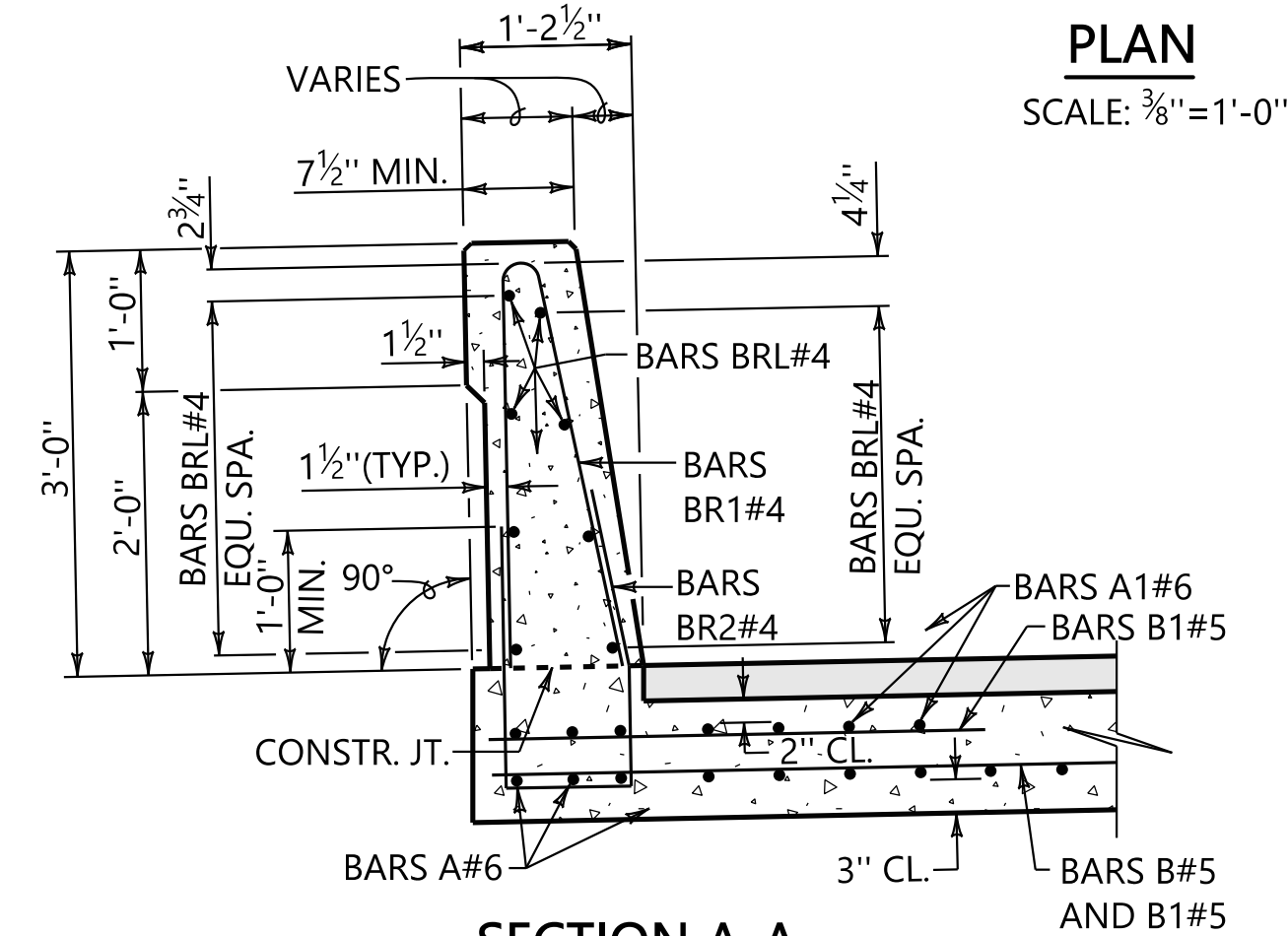
\\brvms02\BridgeStandard\Special Bridge Special DGN\New for 2025\BES-BP Bridge End Slab Details.dgn

PLOTTED: 27-Jan-25 at 14:04

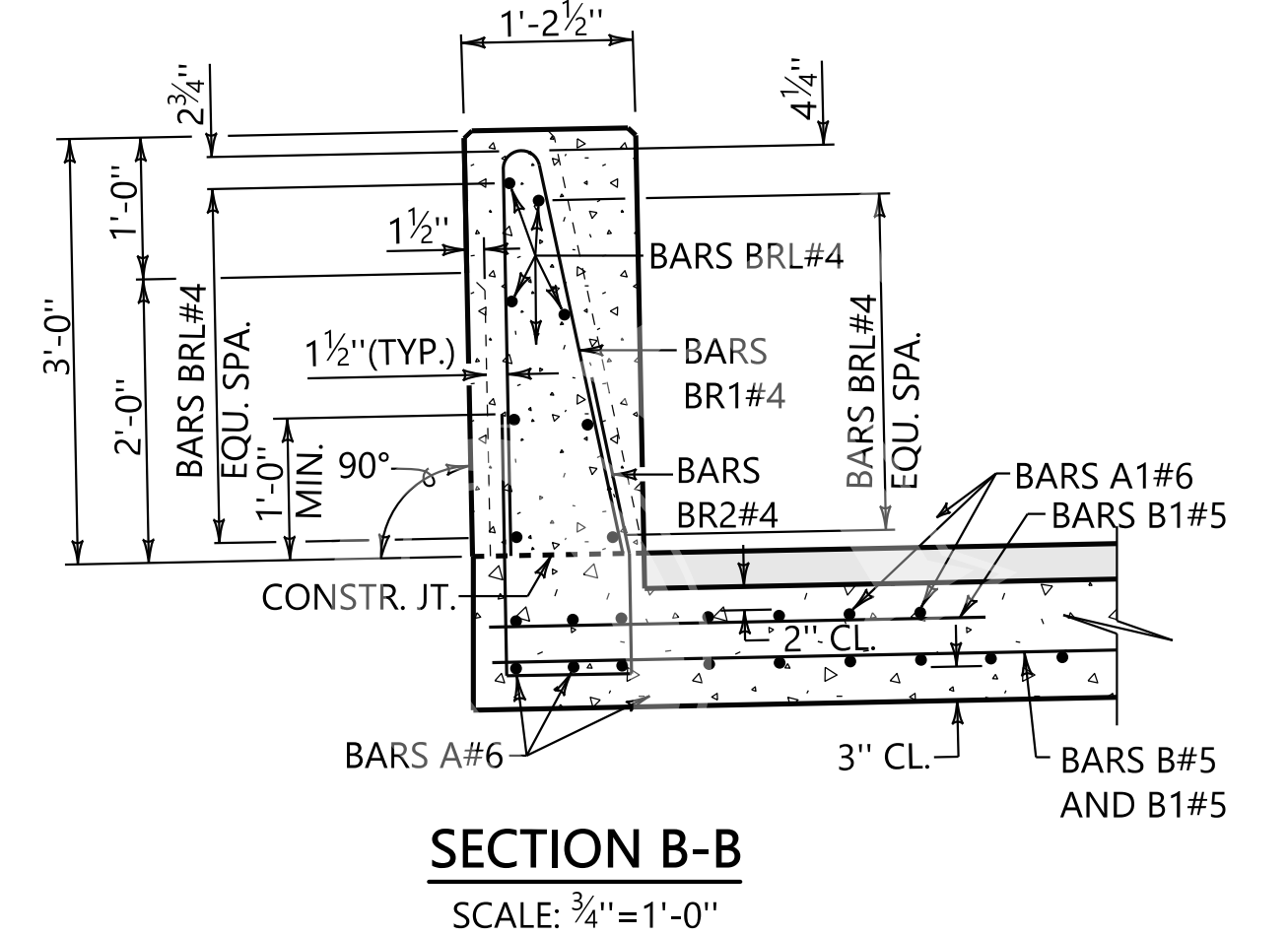
2"
1"
0"
SHEET REFERENCE



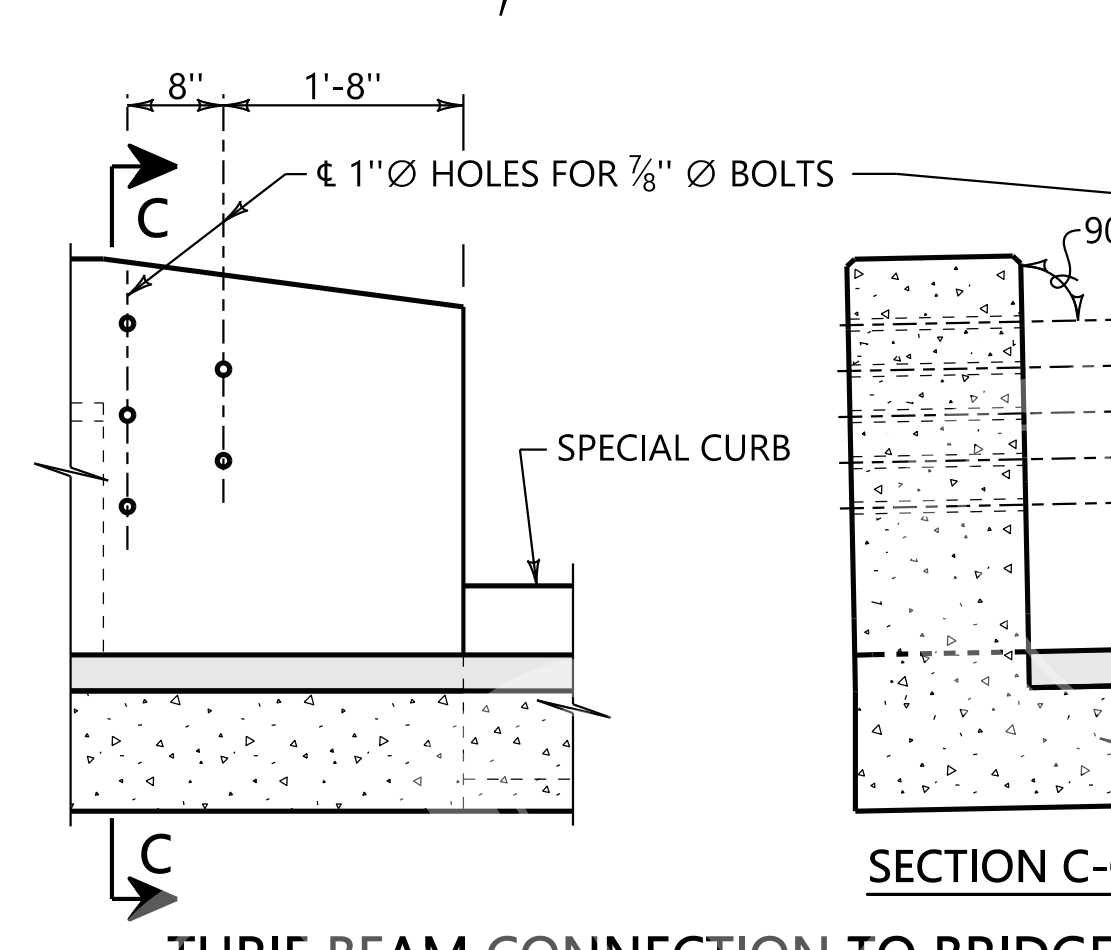
PLAN
SCALE: 3/8"=1'-0"



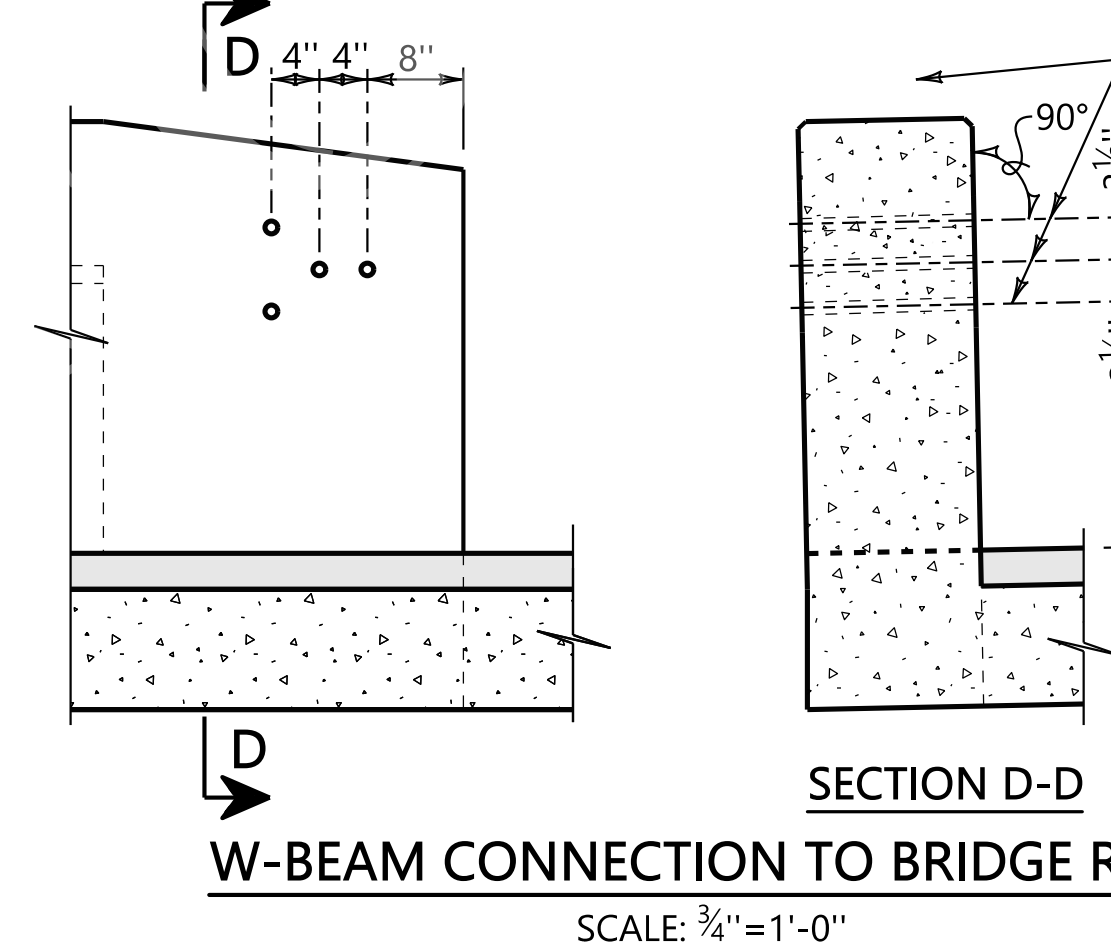
SECTION A-A
SCALE: 3/4"=1'-0"



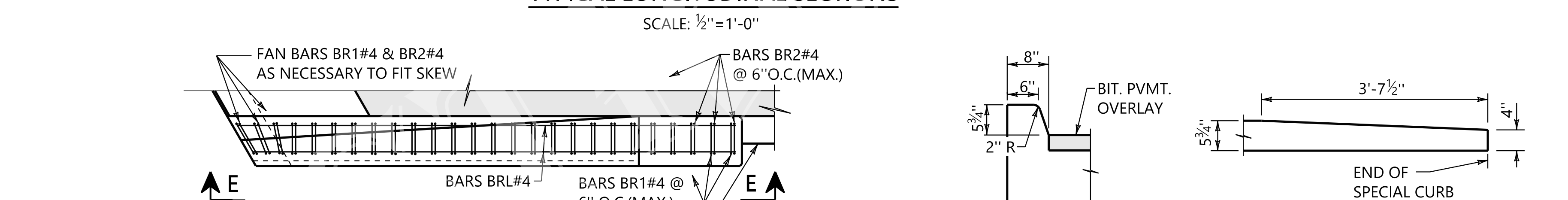
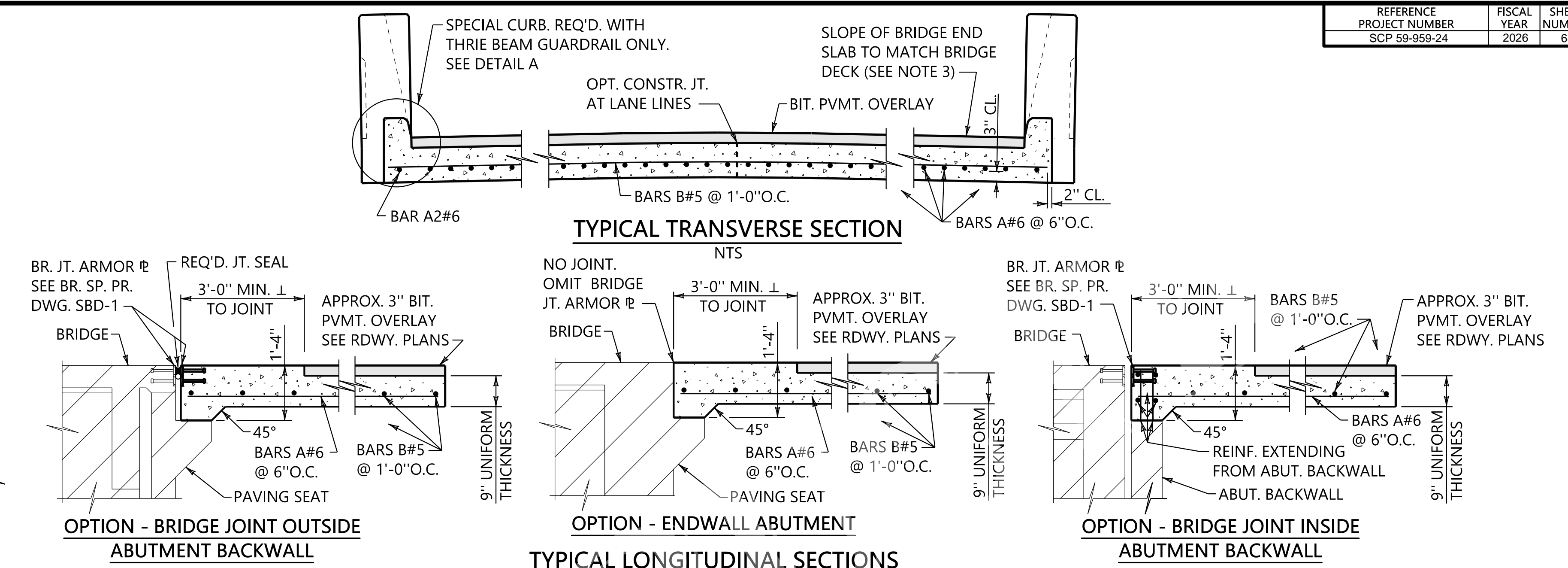
SECTION B-B
SCALE: 3/4"=1'-0"



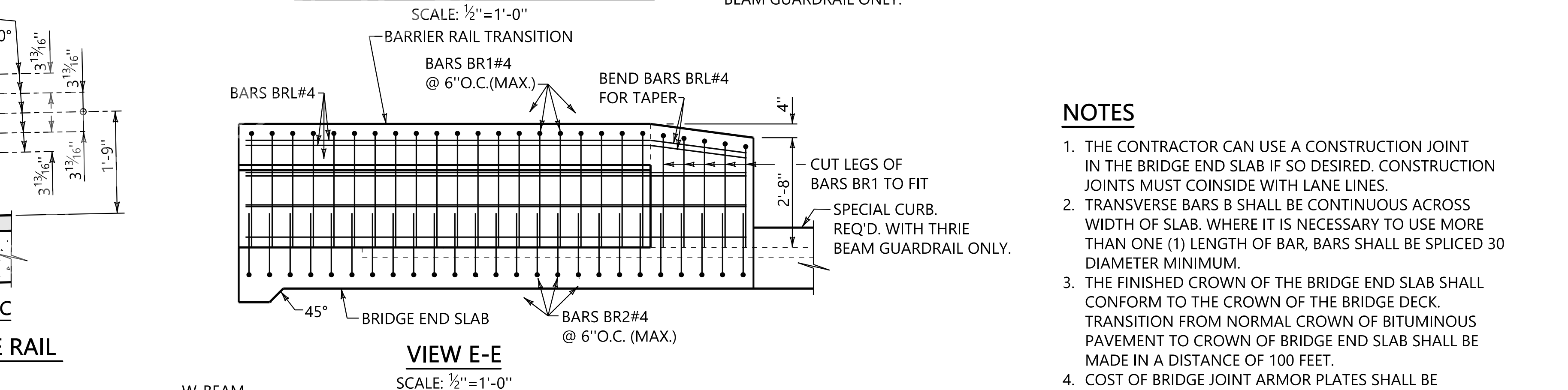
THRIE BEAM CONNECTION TO BRIDGE RAIL
SCALE: 3/4"=1'-0"



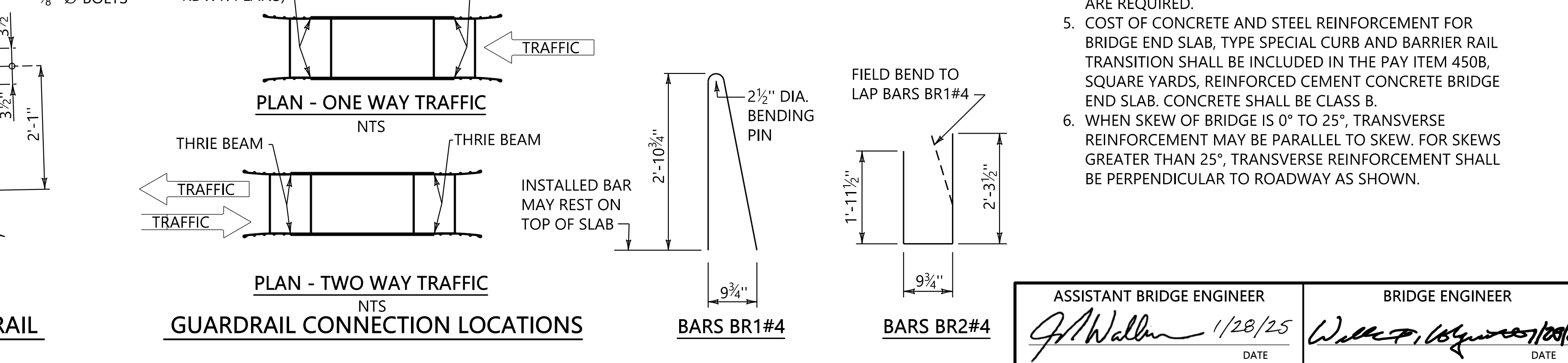
W-BEAM CONNECTION TO BRIDGE RAIL
SCALE: 3/4"=1'-0"



PLAN - BARRIER RAIL TRANSITION
SCALE: 1/2"=1'-0"



VIEW E-E
SCALE: 1/2"=1'-0"



PLAN - ONE WAY TRAFFIC
PLAN - TWO WAY TRAFFIC
GUARDRAIL CONNECTION LOCATIONS
SCALE: 1/2"=1'-0"

- NOTES**
1. THE CONTRACTOR CAN USE A CONSTRUCTION JOINT IN THE BRIDGE END SLAB IF SO DESIRED. CONSTRUCTION JOINTS MUST COINCIDE WITH LANE LINES.
 2. TRANSVERSE BARS B SHALL BE CONTINUOUS ACROSS WIDTH OF SLAB. WHERE IT IS NECESSARY TO USE MORE THAN ONE (1) LENGTH OF BAR, BARS SHALL BE SPLICED 30 DIAMETER MINIMUM.
 3. THE FINISHED CROWN OF THE BRIDGE END SLAB SHALL CONFORM TO THE CROWN OF THE BRIDGE DECK. TRANSITION FROM NORMAL CROWN OF BITUMINOUS PAVEMENT TO CROWN OF BRIDGE END SLAB SHALL BE MADE IN A DISTANCE OF 100 FEET.
 4. COST OF BRIDGE JOINT ARMOR PLATES SHALL BE INCLUDED IN PAY ITEM 508A, LBS., STRUCTURAL STEEL. SHOP DRAWINGS PER THE STANDARD SPECIFICATIONS ARE REQUIRED.
 5. COST OF CONCRETE AND STEEL REINFORCEMENT FOR BRIDGE END SLAB, TYPE SPECIAL CURB AND BARRIER RAIL TRANSITION SHALL BE INCLUDED IN THE PAY ITEM 450B, SQUARE YARDS, REINFORCED CEMENT CONCRETE BRIDGE END SLAB. CONCRETE SHALL BE CLASS B.
 6. WHEN SKEW OF BRIDGE IS 0° TO 25°, TRANSVERSE REINFORCEMENT MAY BE PARALLEL TO SKEW. FOR SKEWS GREATER THAN 25°, TRANSVERSE REINFORCEMENT SHALL BE PERPENDICULAR TO ROADWAY AS SHOWN.

ALABAMA DEPARTMENT
OF TRANSPORTATION

REVISIONS
THIS DRAWING REPLACES BES-450(I)BP AND BES-450(O)BP MJH 10-31-24

THIS BRIDGE SPECIAL PROJECT DRAWING FOR USE ONLY ON:
PROJECT NO. SCP 59-959-24
COUNTY(S) SHELBY

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BRIDGE END SLAB DETAILS FOR USE
WITH BITUMINOUS PAVEMENT

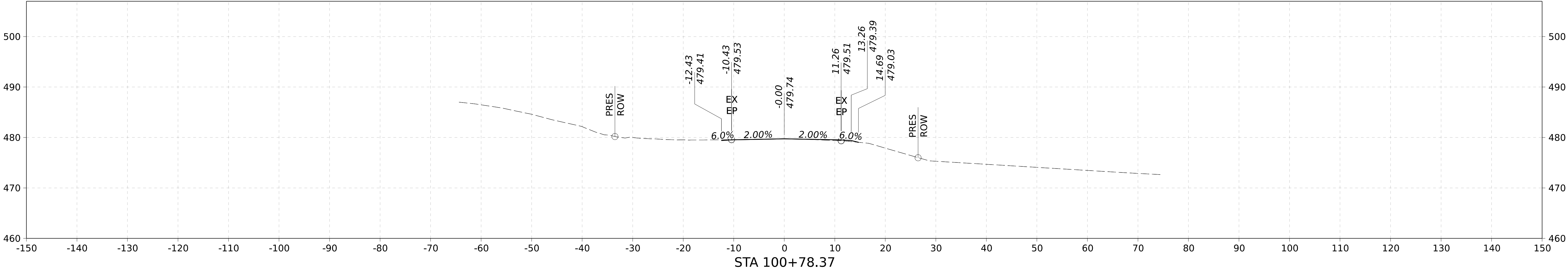
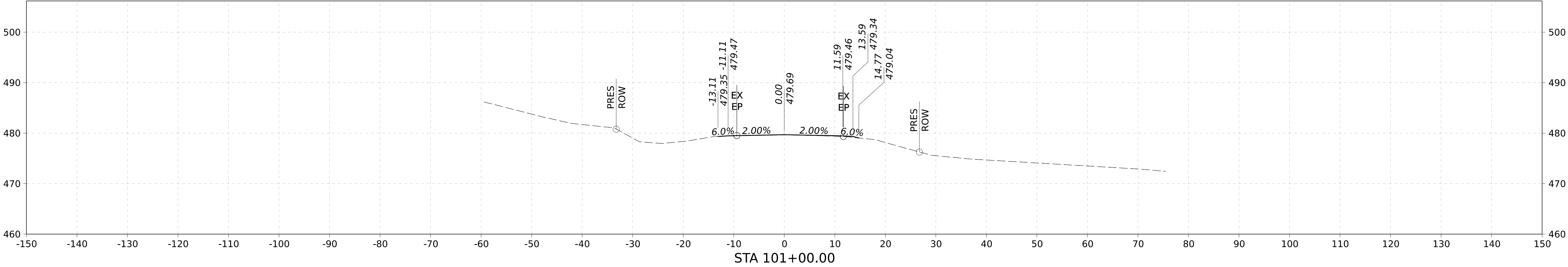
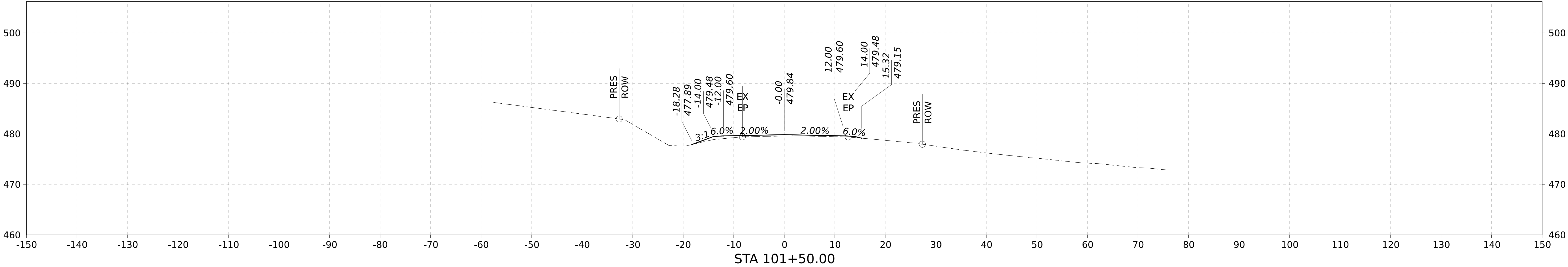
BRIDGE SPECIAL PROJECT DRAWING
BES-BP
SHEET 1 OF 1

REFERENCE PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER
SCP 59-959-24	2026	68

ASSISTANT BRIDGE ENGINEER	BRIDGE ENGINEER
<i>J. Waller</i> 1/28/25	<i>W. Waller</i> 1/28/25
DATE	DATE

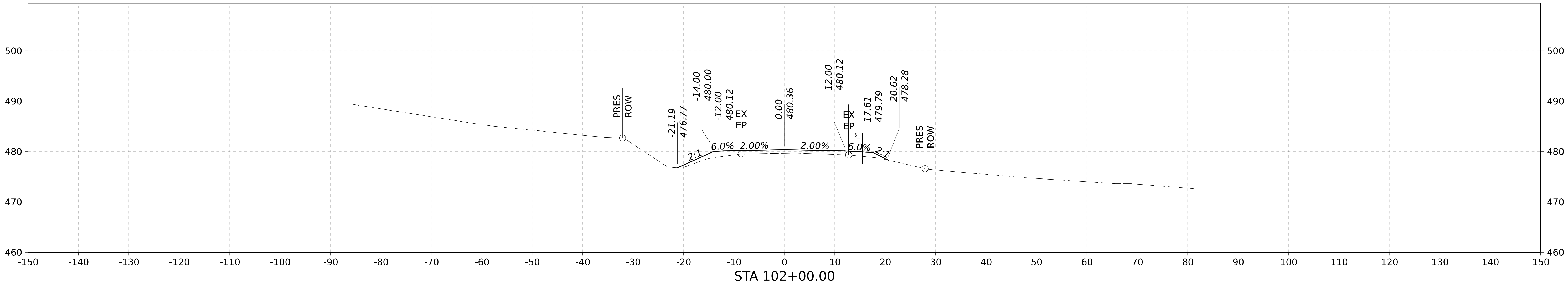
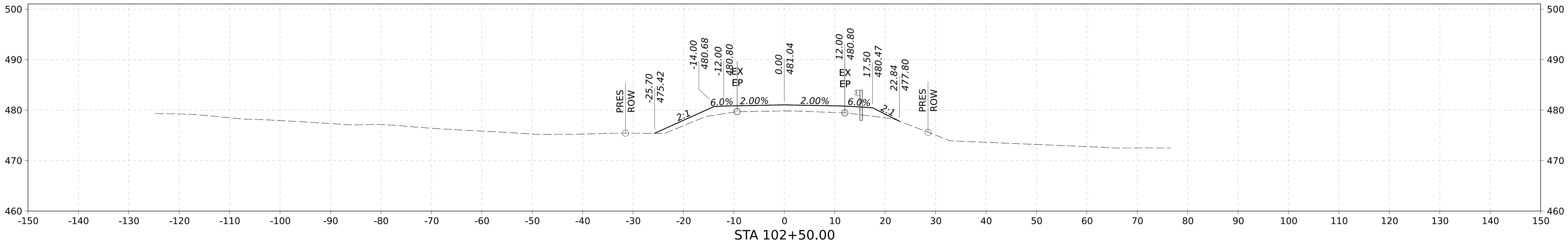
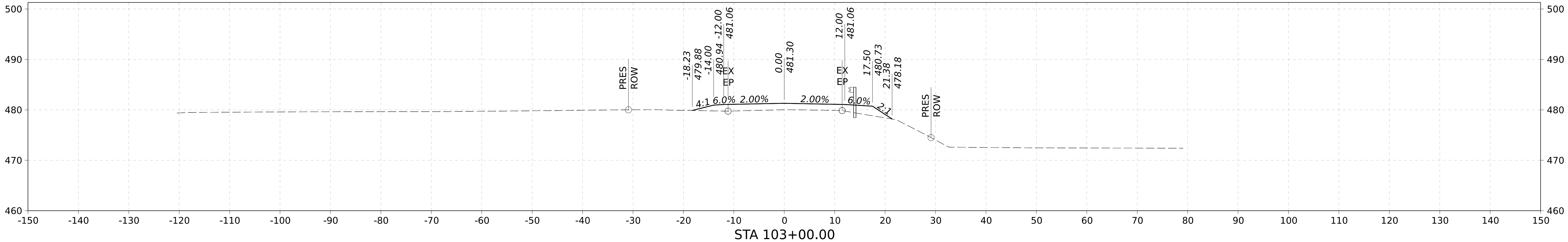
CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	90



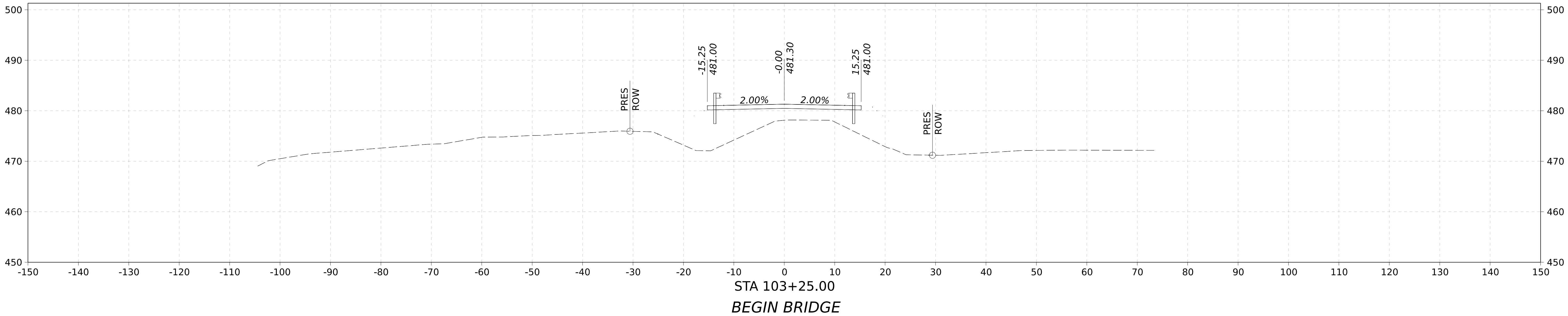
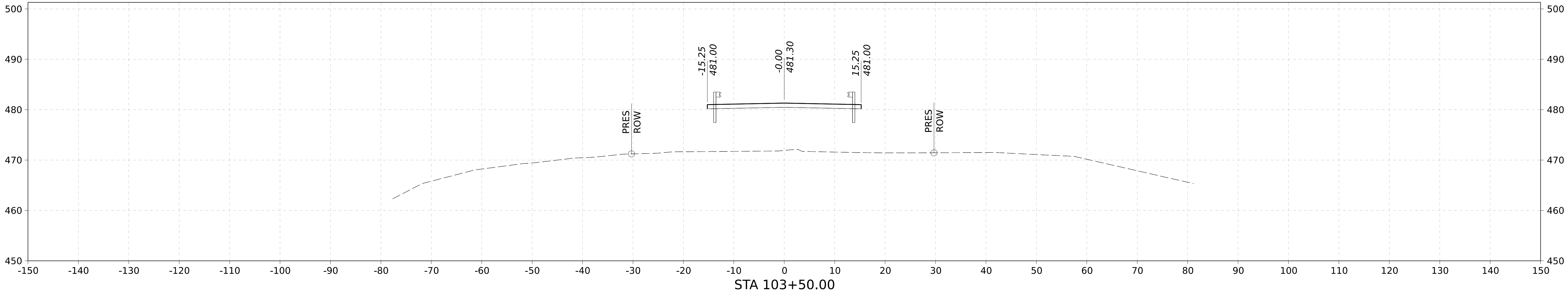
CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	91



CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	92

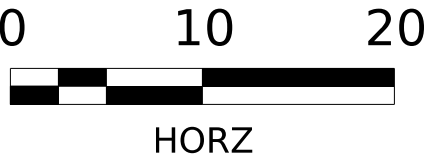


SHELBY COUNTY
HIGHWAY DEPARTMENT

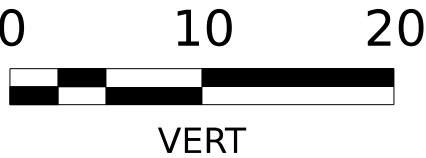
REVISIONS:

PLAN
SUBMITTAL
100%

PLANS PREPARED BY:
BARGE DESIGN SOLUTIONS



SCALE
(FEET)



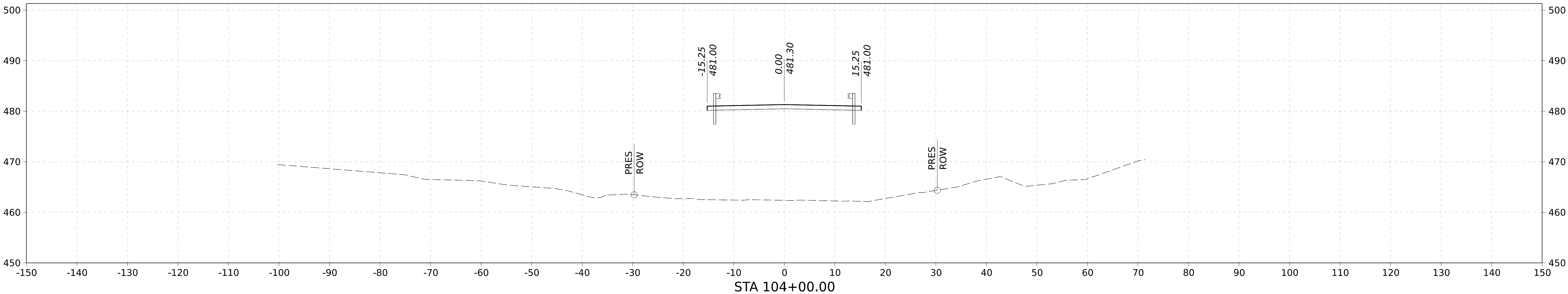
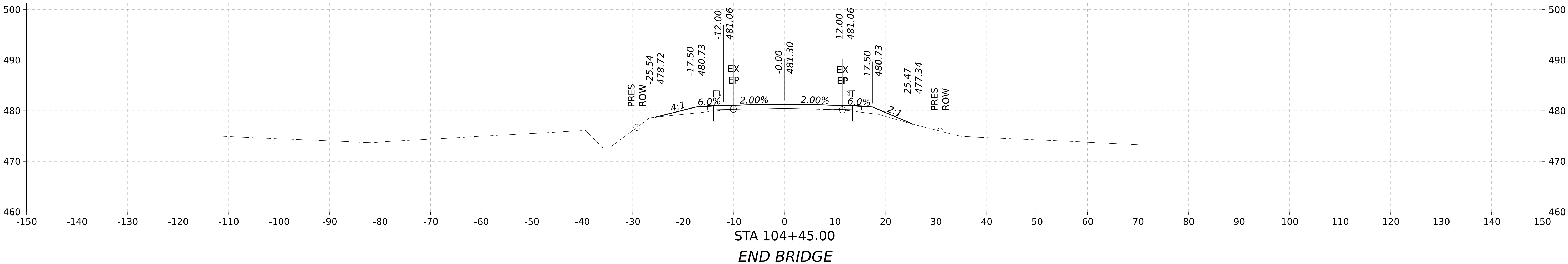
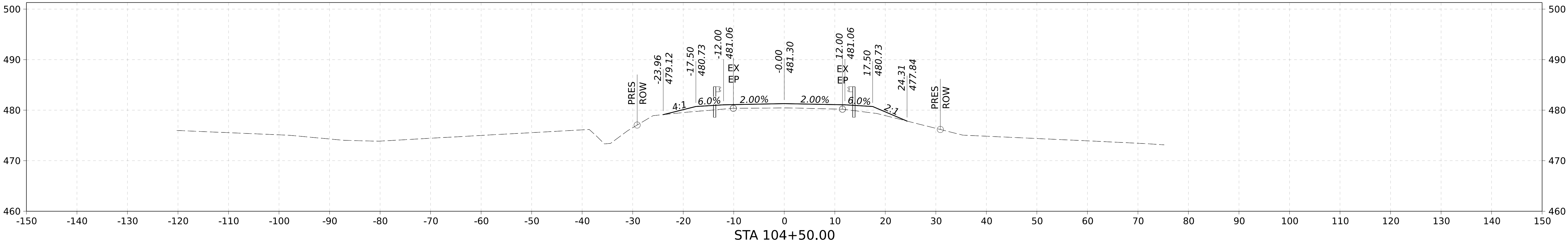
SHEET TITLE
CROSS SECTIONS

ROUTE
LIBERTY
RD

\$DATE\$ \$TIME\$ \$USER NAME\$ \$FILES\$

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	93

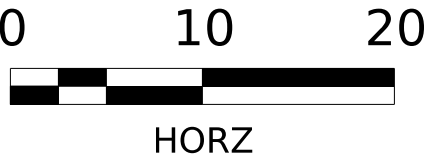


SHELBY COUNTY
HIGHWAY DEPARTMENT

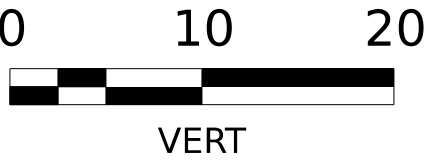
REVISIONS:

PLAN
SUBMITTAL
100%

PLANS PREPARED BY:
BARGE DESIGN SOLUTIONS



SCALE
(FEET)



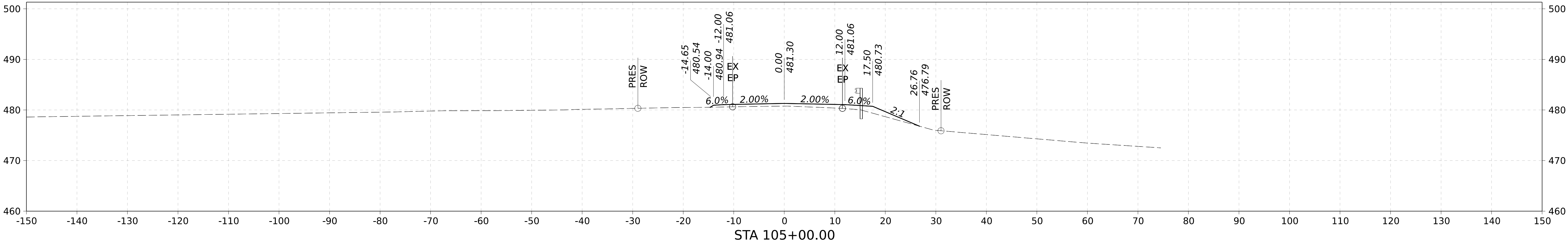
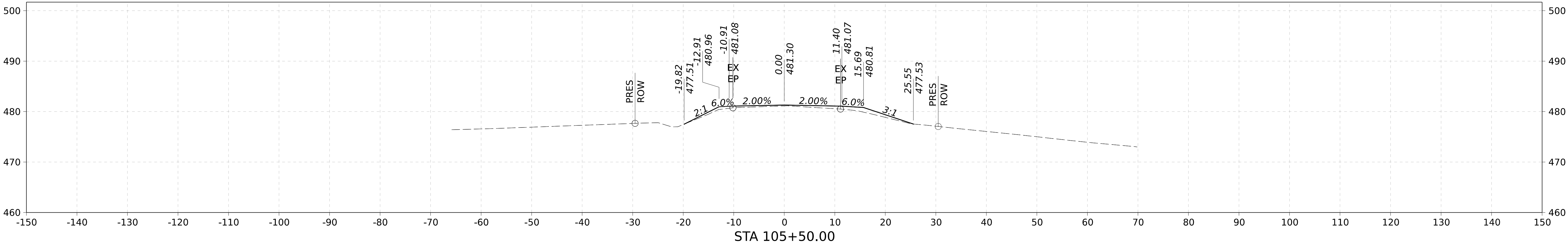
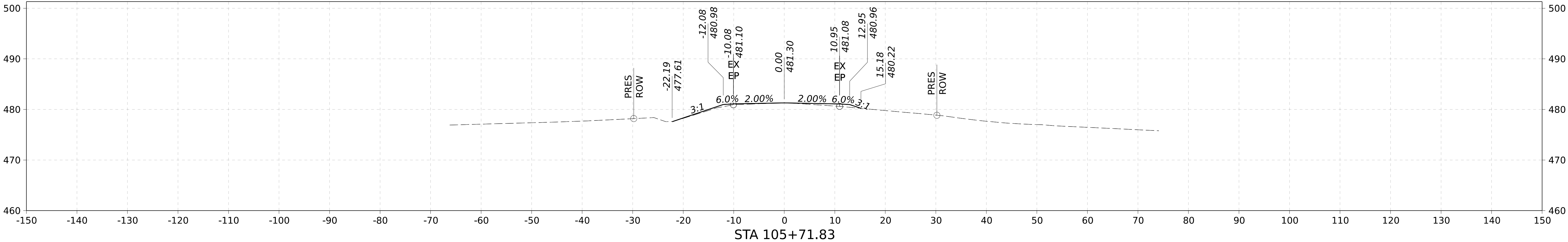
SHEET TITLE
CROSS SECTIONS

ROUTE
LIBERTY
RD

\$USER NAMES\$ \$FILES\$
\$TIMES\$
\$DATES\$

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	94



EARTHWORK SUMMARY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
SCP 59-959-24	2026	100

TOTAL	TOTALS (CU YD)
210A-000 UNCLASSIFIED EXCAVATION	530
210D-001 BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)	453
650A-000 TOPSOIL	90



SHELBY COUNTY
HIGHWAY DEPARTMENT

REVISIONS:

PLAN
SUBMITTAL

100%

PLANS PREPARED BY:

BARGE DESIGN SOLUTIONS

SHEET TITLE

EARTHWORK SUMMARY
SHEET

ROUTE

LIBERTY
RD

\$DATE\$
\$TIME\$