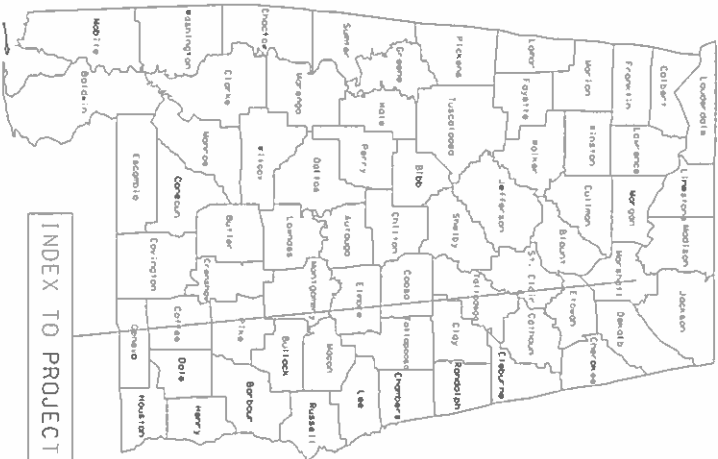




INDEX TO PROJECT

Existing Bridge (Culvert)

N/A

TOTAL EFFECT

Required Bridge (Culvert)

N/A

TOTAL EFFECT

Equations & Exceptions

N/A

FEET

MILES

Total Stationing of Project 220.00
Equations & Exceptions 0.00
Net Length of Project 220.00
Net Length of Bridges 0.00
Net Length of Roadways 220.00

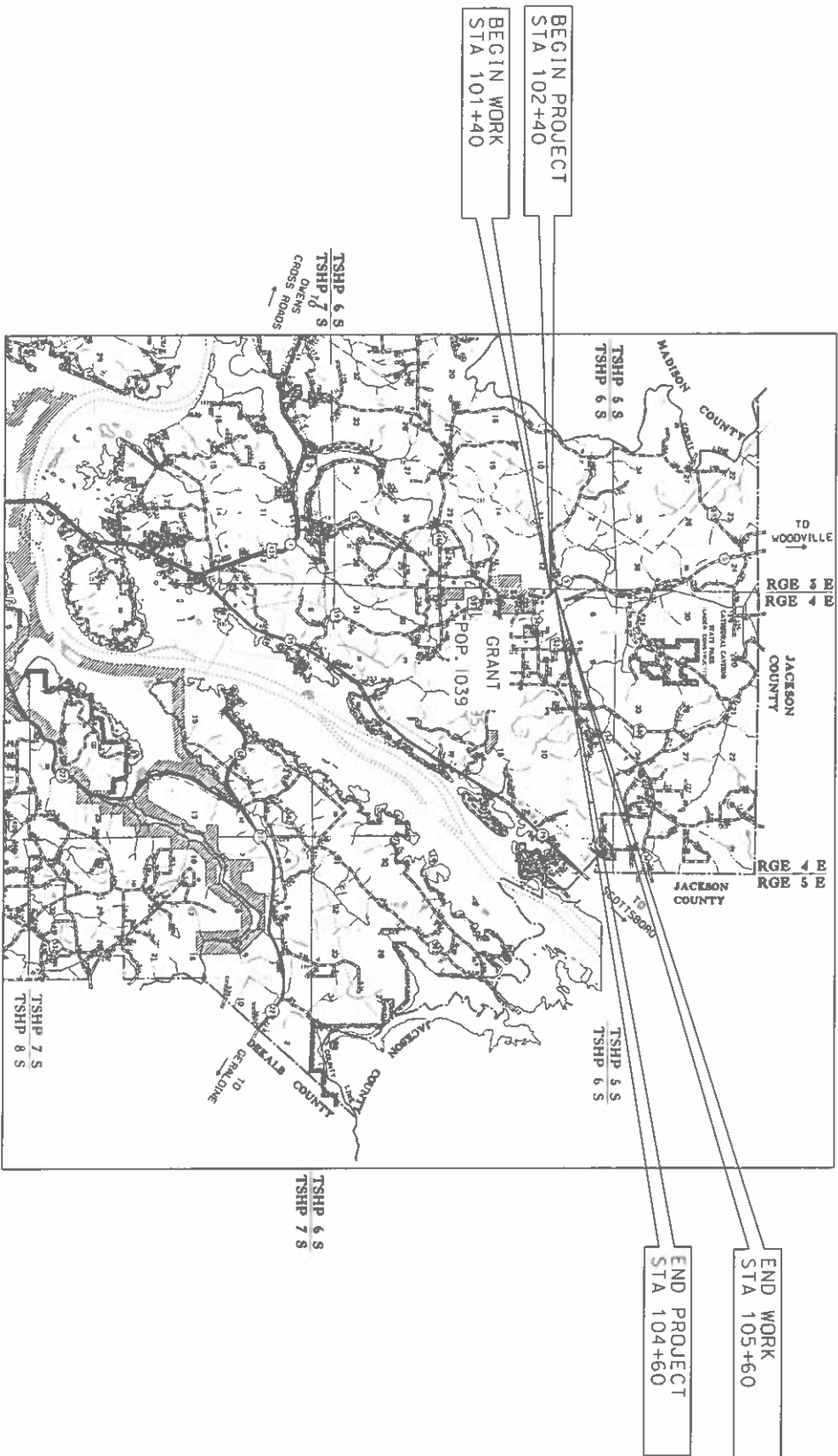
ALABAMA

DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED PROJECT NUMBER

ERPR-9070(949)

ROTATIONAL SLIDE REPAIR
ON CR-5(CATHEDRAL
CAVERNS HIGHWAY) 0.5 MILES
FROM SWEARENGIN ROAD
MARSHALL COUNTY



VICINITY MAP
POPULATION FROM THE 2020 CENSUS
NOT TO SCALE

FINAL PLANS
JANUARY 12, 2022

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	ERPR-9070(949)	2022	1	27
CONTRACT ID NO				

Preliminary Project No MCP 48-81-20
Code No

Design Designation	
ADT ()	N/A
ADT ()	N/A
K	N/A
D	N/A
IDHV	N/A
TADT	N/A
V (Design Speed)	45
Min Stopping Sight Dist	360

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



PREPARED BY:

NEEL-SCHAFER
Solutions you can build upon



ENGINEER: ROBERT E. PORTERA, P.E.
NO: 13016

INDEX TO SHEETS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	1A

SHEET NO		DESCRIPTION		SHEET NO		DESCRIPTION	
1		TITLE		8		OMIT	
1A		INDEX TO SHEETS		9		TRAFFIC CONTROL SEQUENCE OF CONTRUCTION AND QUANTITIES	
1B		INDEX TO STANDARD AND SPECIAL DRAWINGS		10		OMIT	
1C		PLANS LEGEND SHEET		11 - 11B		TEMPORARY TRAFFIC CONTROL DETAILS	
1D		PLANS LEGEND ABBREVIATIONS SHEET		12		EROSION AND SEDIMENT CONTROL PLANS LEGEND	
1E		PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET		13		EROSION AND SEDIMENT CONTROL PLAN SHEET (INITIAL)	
2		TYPICAL SECTION SHEET		14		EROSION AND SEDIMENT CONTROL PLAN SHEET (INTERMEDIATE)	
2A		PROJECT NOTE SHEET		15		EROSION AND SEDIMENT CONTROL PLAN SHEET (FINAL)	
2B		GENERAL TRAFFIC CONTROL PLAN NOTES		16		OMIT	
3 - 3A		SUMMARY OF QUANTITIES SHEET		17		OMIT	
4		PLAN SHEET		18		OMIT	
4A		PROFILE SHEET		19		OMIT	
5		RETAINING WALL PLAN SHEET		20 - 25		CROSS SECTIONS	
5A		RETAINING WALL PROFILE SHEET		26 - 26B		BORING LOG SHEET	
6		OMIT		27		EARTHWORK SUMMARY SHEET	
7		UTILITY PLAN SHEET					

				PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE	ROUTE
				FINAL PLANS				INDEX TO SHEETS	CR-5

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	1B

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

INDEX TO STANDARD AND SPECIAL DRAWINGS

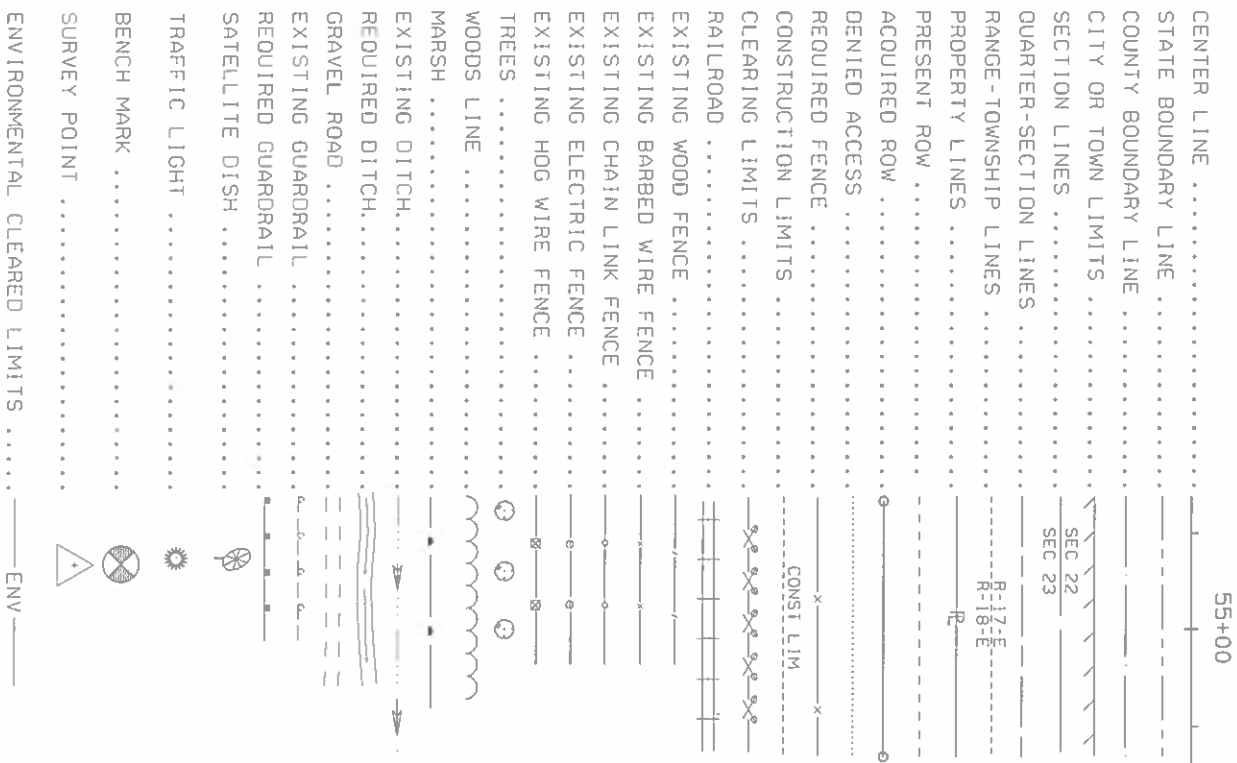
SPECIAL		SPECIAL		SPECIAL	
INDEX NO	DRAWING NO	DESCRIPTION	INDEX NO	DRAWING NO	DESCRIPTION
61404	D-614	DETAILS OF PAVED DITCHES AND FLUMES	66523	ESC-400-2	INLET PROTECTION DETAILS OF COARSE AGGREGATE ON GRADES AND SAGS
63006	GR-630-FD (SHEET 1 OF 2)	FLARE DETAIL AND WARRANTY CRITERIA FOR BEAM GUARDRAIL	66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
63007	GR-630-FD (SHEET 2 OF 2)	FLARE DETAIL AND WARRANTY CRITERIA FOR BEAM GUARDRAIL AT RADIUS	66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
63050	GR-630-20 (SHEET 1 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (SOFTSTOP)	66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
63051	GR-630-20 (SHEET 2 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MSKT)	66529	ESC-501	FLOATING BASIN BOOM
63052	GR-630-20 (SHEET 3 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)	66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
65401	SS-654	SOD TERRACE DULETS AND SOD FLUMES	66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION	66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
66501	ECS-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	66541	ESC-505	TEMPORARY STREAM DIVERSION
66502	ECS-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX	66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66505	ESC-200-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS	66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
66506	ECS-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR	66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
66507	ECS-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS	68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
66508	ECS-200-4	DETAILS OF SILT FENCE INSTALLATION	71017	IHS-710-12	DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
66509	ECS-200-5	DETAILS OF SEDIMENT RETENTION BARRIER	71032	IHS-710-21	DETAILS FOR LOCATION AND MOUNTING STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
66512	ECS-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	71035	IHS-710-23	LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
66513	ECS-300-2	DETAILS OF HAY BALE DITCH CHECKS	71060	SHS-1	STANDARD HIGHWAY SIGNS
66514	ECS-300-3	DETAILS OF SANDBAG DITCH CHECK	71069	SHS-10	STANDARD HIGHWAY SIGNS
66515	ECS-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS	71090	SHS-26	STANDARD HIGHWAY SIGNS
66516	ECS-300-5	DETAILS OF SILT DIKE DITCH CHECKS	71093	SHS-29	STANDARD HIGHWAY SIGNS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS	71094	SHS-30	STANDARD HIGHWAY SIGNS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION	74001	B-107-1	PERFORATED SQUARE STEEL TUBING (PSST) BARRICADES TYPE I, TYPE II, AND TYPE III & VERTICAL PANELS TYPE I AND TYPE II
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS			
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	74007	TCD-100	DETAILS FOR TRAFFIC CHANNELIZATION DEVICES

				 ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE		ROUTE
		PLAN SUBMITTAL				INDEX TO SPECIAL AND STANDARD DRAWINGS	CR-5	
		FINAL PLANS						

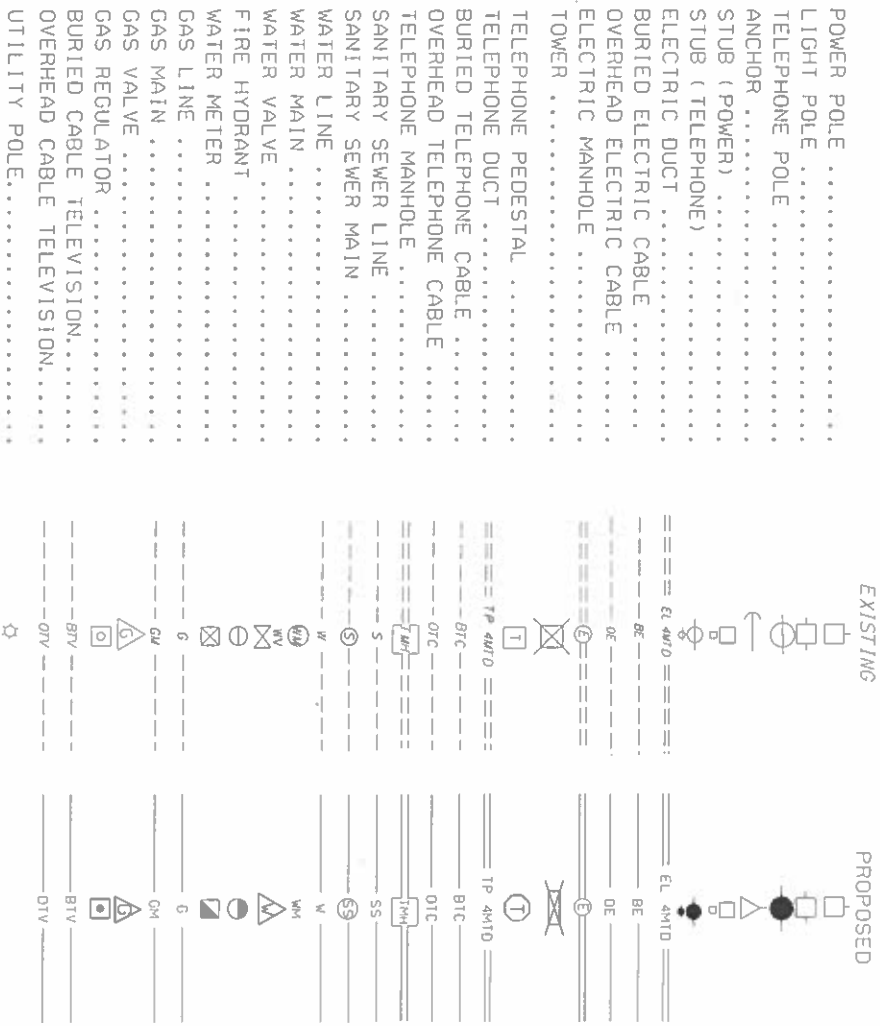
PLANS LEGEND SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	1C

ROADWAY



UTILITIES



DRAINAGE STRUCTURE INDEX NUMBERS

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



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



DIRECTION OF FLOW

			PLAN SUBMITTAL	 ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE	ROUTE
			FINAL PLANS			PLANS LEGEND SHEET	CR-5

ABBREVIATIONS

ABANDONED	ABAN	FORESIGHT OR FRONTSIGHT	FST	PROJECT CONTROL	PROJ	VOLUME
ABOUT	ABUT	FRACTIONAL	FRA	PROJECT LINE	PJC	WEST BOUND ROADWAY
ACCELERATION	ACCL	FULL SUPERELEVATION	FS	PROPOSED	PROP	WING WALL
ACQUIRED	ACOD	GALLON PUMPS	GAL	QUADRUPE	QUAD	WING WALL CORNER
AHEAD	AH	GASOLINE	GPP	QUADRUPE BARREL CULVERT	QUAD	WOOD WORKING POINT
ALABAMA	AL	GASOLINE PUMPS	GPP	QUANTITY	QUANT	WOVEN WIRE
ALABAMA DEPARTMENT OF TRANSPORTATION	ALDOT	GAUGE	GAR	RADIUS	R	YARD
ALTERNATE	ALT	GIRDER	GDR	RAILROAD	RR	
APPROXIMATE(LY)	APP	GOVERNMENT	GOV	RANGE	RNG	
AREA	AREA	GRASS	GRS	RECORD	REC	
ASPHALT	ASP	GRADE CHANGE	GC	REDUCTION	RED	
AVERAGE ANNUAL DAILY TRAFFIC	ADOT	GRADE POINT	GP	REFERENCE POINT	REF	
BACK OF GUARDRAIL	BK GR	GRADE ROD	GRV	REFERENCE POINT FOR POINT ON TANGENT	REF	
BACKSIGHT	B/S	GRADE	GRV	REFERENCE POINT	REF	
BARBED WIRE	B/W	GUARDRAIL	GRV	REFERENCE POINT	REF	
BARREL	BAR	HEADWALL	HDWL	REFERENCE POINT	REF	
BARRIER	BAR	HEADWALL	HDWL	REFERENCE POINT	REF	
BASE LINE	BL	HIGH WATER MARK	HWM	REFERENCE POINT	REF	
BEARING	BL or B	HIGH WATER MARK	HWM	REFERENCE POINT	REF	
BEGINNING OF PROJECT	BEG	HIGH WATER	HWM	REFERENCE POINT	REF	
BETWEEN	BETW	HIGHWAY	Hwy	REFERENCE POINT	REF	
BILLBOARD	BBD	HOGWIRE	H/W	REFERENCE POINT	REF	
BENCHMARK	BM	HORIZONTAL	HOR	REFERENCE POINT	REF	
BITUMINOUS	BIT	HUB & TACK	H&T	REFERENCE POINT	REF	
BITUMINOUS COATED CORRUGATED METAL PIPE	BTCMP	HYDRANT	HYD	REFERENCE POINT	REF	
BOUNDARY	BOU	IMPACT ATTENUATOR	IA	REFERENCE POINT	REF	
BRIDGE	BRG	IN ACCORDANCE WITH	I/A/W	REFERENCE POINT	REF	
BRIDGE END SLAB	BRG	IN PLACE	IN-PL	REFERENCE POINT	REF	
CAPACITY	CAP	INCHES	IN	REFERENCE POINT	REF	
CAST IRON	CI	INCLUDING	INCL	REFERENCE POINT	REF	
CAST IN PLACE	CI P	INSTRUMENT	INST	REFERENCE POINT	REF	
CATCH BASIN	CB	ISLAND	ISL	REFERENCE POINT	REF	
CENTER LINE	CL	JOINT	JCT	REFERENCE POINT	REF	
CHAIN LINK	CL	JUNCTION BOX	JB	REFERENCE POINT	REF	
CLASS	C/L	KILOMETER	KM	REFERENCE POINT	REF	
CONCRETE	CONC	KILOMETER POST	KMP	REFERENCE POINT	REF	
CONNECTION	CONN	KILOMETERS PER HOUR	KPH	REFERENCE POINT	REF	
CONSTRUCTION LIMITS	CONSTR LIM	LANE	LANE	REFERENCE POINT	REF	
CORNER	COR	LA	LA	REFERENCE POINT	REF	
CORRECTION	CORR	LATITUDE	LAT	REFERENCE POINT	REF	
CORRUGATED IRON	COR1	LEFT AHEAD	LA	REFERENCE POINT	REF	
CORRUGATED METAL PIPE	CMP	LEFT BACK	LB	REFERENCE POINT	REF	
CORRUGATED PLASTIC PIPE	CMP	LENGTH OF CURVE	L	REFERENCE POINT	REF	
COUNTY	CO	LINK	LK	REFERENCE POINT	REF	
COUNTY ROAD	CO-ROD	LIMIT	LIM	REFERENCE POINT	REF	
CREEK	CK	LINEAR FEET	LIN FT	REFERENCE POINT	REF	
CROSS SECTION	CR	LONGITUDE	LONG	REFERENCE POINT	REF	
CROWN REMOVED	CR	MANHOLE	MH	REFERENCE POINT	REF	
CUBIC FEET	CU	MARKER	MRK	REFERENCE POINT	REF	
CUBIC FEET PER SECOND	FT3 or CU FT	MAXIMUM	MAX	REFERENCE POINT	REF	
CUBIC YARD	YD3 or CU YD	MEAN HIGH WATER	MHW	REFERENCE POINT	REF	
CURB METERS	M3	MEAN LOW WATER	M/LW	REFERENCE POINT	REF	
CULVERT	CULV	MEASUREMENT	MEAS	REFERENCE POINT	REF	
CULTIVATED	CULT	MEDIAN	MED	REFERENCE POINT	REF	
CURB FACE	CF	MERIDIAN	MER	REFERENCE POINT	REF	
CURB AND GUTTER	C&G	MILE POST	MP	REFERENCE POINT	REF	
CUT	C	MILES PER HOUR	MPH	REFERENCE POINT	REF	
CURVE TO SPIRAL	CS	MILLIMETER	MM	REFERENCE POINT	REF	
DECLARATION	DECL	MINIMUM	MIN	REFERENCE POINT	REF	
DEGREE OF CURVE	D	MONUMENT	MON	REFERENCE POINT	REF	
DEIENED ACCESS	DEA	MULTIPLE	MULTI	REFERENCE POINT	REF	
DEPARTURE	DIA	NORMAL CROWN SLOPE	NCS	REFERENCE POINT	REF	
DIAMETER	DIA	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DIRECTION	DIST	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DISTANCE	DIST	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DOUBLE BARREL CULVERT	DBL	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DRAINAGE AREA	DA	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DRAINAGE INLET	DI	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DROP	DR	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
DRAINAGE INLET	DI	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EACH	EA	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EASEMENT	EASMT	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EAST BOUND ROADWAY	EBR	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EDGE OF PAVEMENT	EL or ELEV	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
ELEVATION	EL	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
END OF RETURN	E/A	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
END OF PROJECT	EOP	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EQUATION	E/A	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EROSION CONTROL PRODUCTS	ECP	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EXCAVATION	ECP	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EXISTING	ECP	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EXTENSION	EXT	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EXTERNAL	EXT	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
EXTERNAL STRENGTH	EXT STR	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FEET	FT	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FILTER BLANKET	FLT BLNK	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FINISHED GRADE	FG	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FINISHED SURFACE	FS	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FISCAL YEAR	FY	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FIXED	FIX	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FLAT BOTTOM	FL or F	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	
FLOW LINE	FL	NORTH BOUND ROADWAY	NBR	REFERENCE POINT	REF	

STRUCTURES

UTILITIES

ANCHOR WIRE	AW
BURIED ELECTRIC	BE
BURIED FIBER OPTIC	BFO
BURIED TELEPHONE CABLE	BTC
BURIED CABLE TELEVISION	BTV
CAST IRON	CI
CIRCUIT IRON	CI
DUCT IRON	CI
EASEMENT	EASMT
FIBER OPTIC	FO
FORCED MAIN (SANITARY SEWER)	FM
GAS MAIN	GM
GAS METER	GMET
GAS VALVE	GV
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	PE
POLY VINYL CHLORIDE PIPE	PVC
POWER POLE	PP
SANITARY SEWER	SS
SERVICE	SERV
STEEL DRAIN	STL
STORM SEWER	STWS
SWITCH	SW
TELEPHONE MANHOLE	TEL
TRANSFORMER	TRN
TRIAXIAL CABLE (SERVICE)	TRIX
VITRIFIED CLAY PIPE	VCP
WATER MAIN	WM
WATER METER	WMET
WATER VALVE	WV

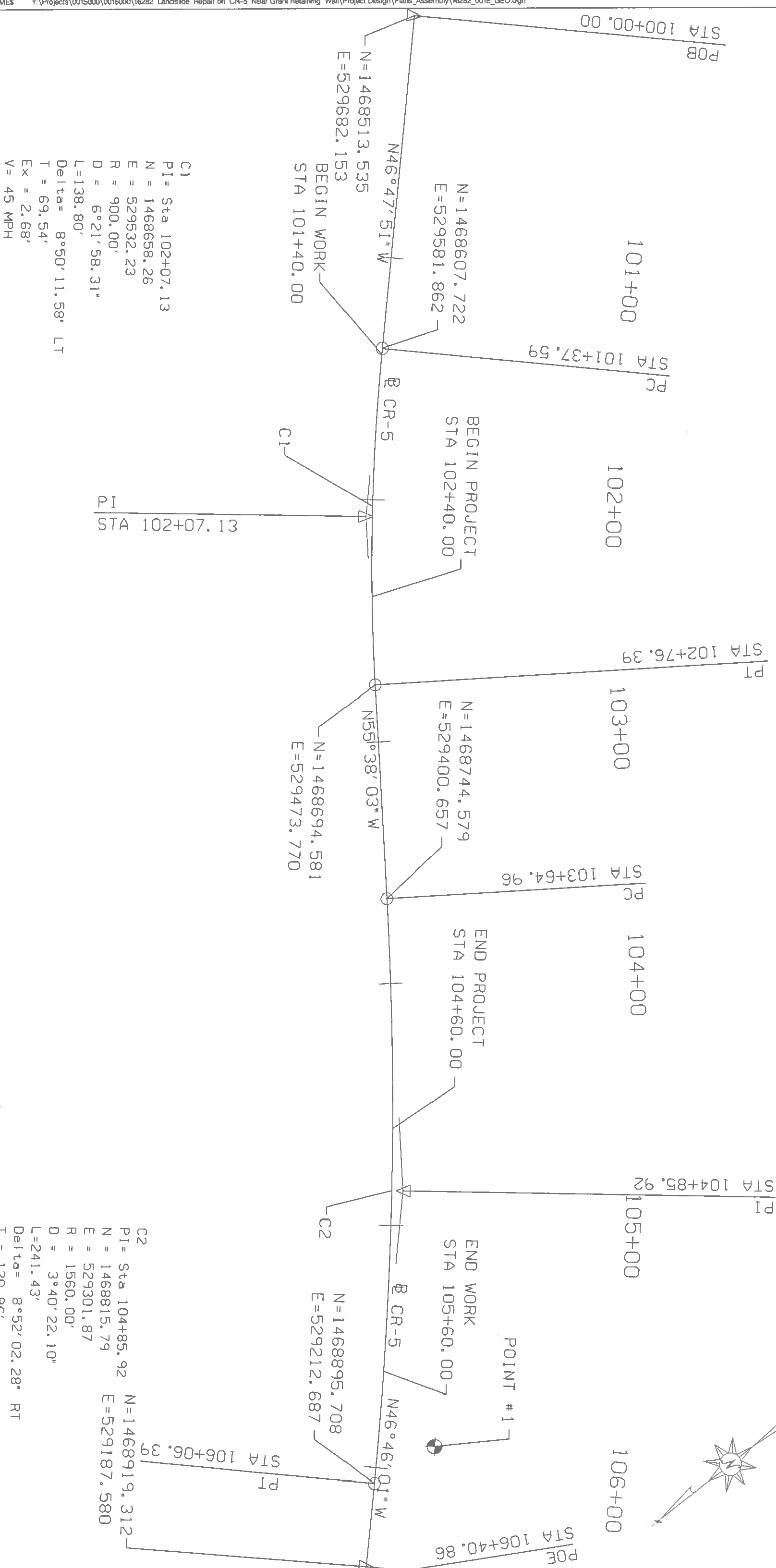
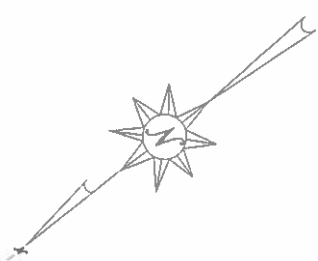
PROPERTY

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

PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET

HORIZONTAL ALIGNMENT DATA PLAN VIEW SHEET

REFERENCE	FISCAL	SHEET
PROJECT NO	YEAR	NO
ERRR-9070949	2022	1E



POINT #	ROADWAY	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEVATION
1	CR-5	105+88.18	26.26 LT	1468869.740	529209.618	1/2" REBAR	1138.26'

NOTES:
1. POINT COORDINATES ARE BASED ON THE HORIZONTAL DATUM-NAD 83/92 (HPGN) ALABAMA STATE EAST ZONE, VERTICAL DATUM-NAVD 88, AND U.S. SURVEY FOOT UNIT OF MEASURE WITH AN AVERAGE COMBINED SCALE FACTOR OF 0.999977003.

7/25/2022 8:56:12 PM \$USERS\$ \$NAMES\$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_001E_GEO.dgn

PLAN SUBMITTAL

FINAL PLANS

ALABAMA DEPARTMENT OF TRANSPORTATION

NORTH REGION

HORIZ

20

0

20

SCALE (FEET)

SHEET TITLE

ROUTE

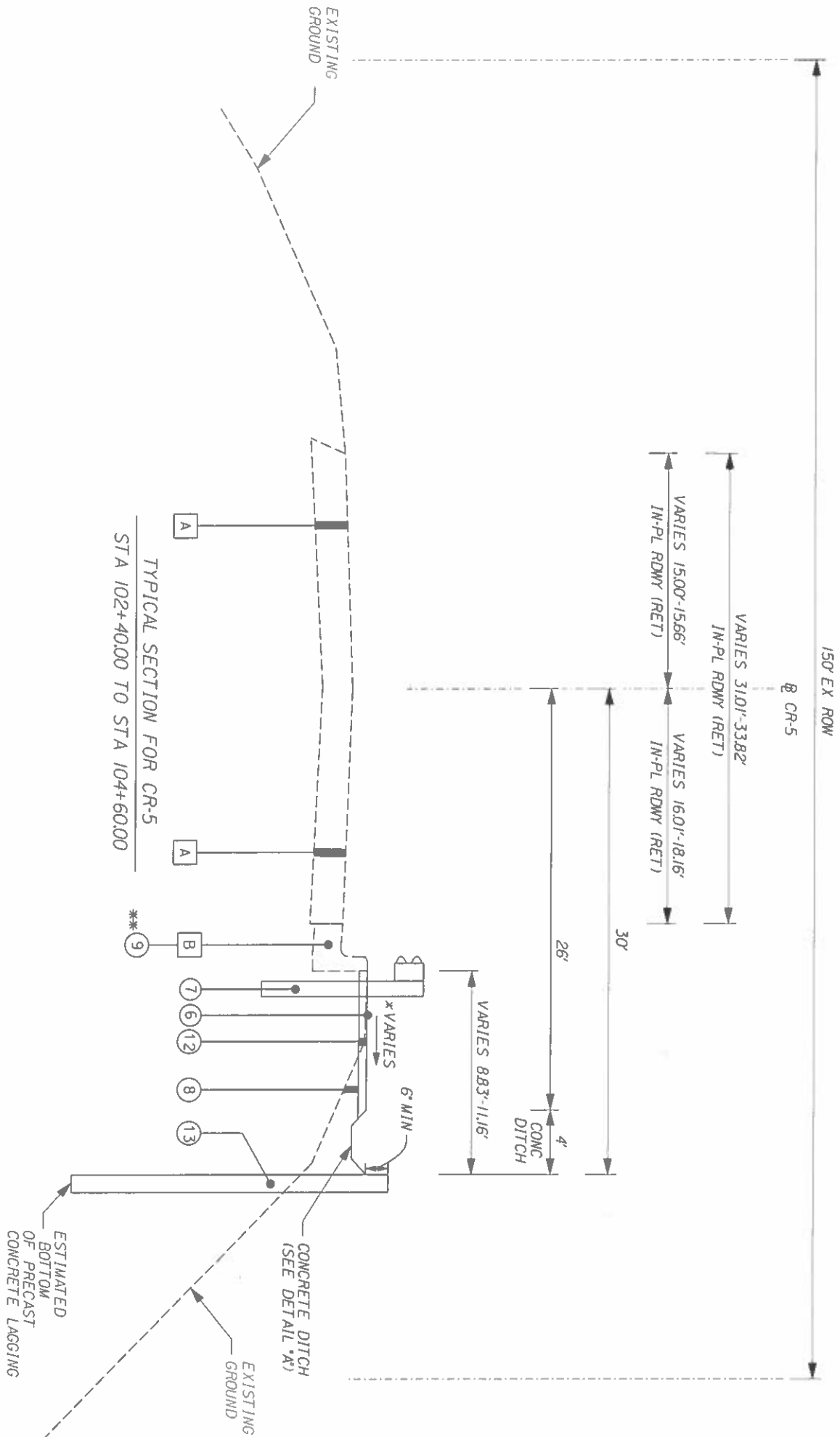
PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET

CR-5

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRP-9070(949)	2022	2

TYPICAL SECTION SHEET

PROJECT NOTES
202

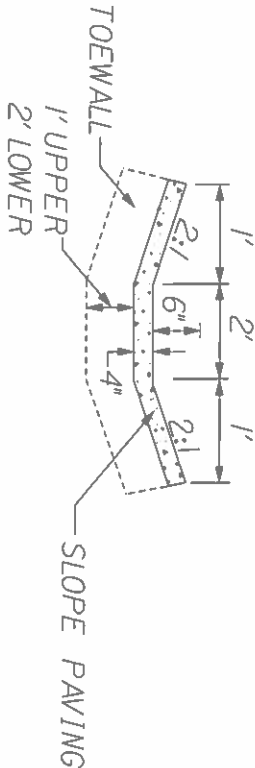


SEE CROSS SECTIONS
EXISTING CURB & GUTTER TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER

IN-PLACE MATERIALS LEGEND	
LEGEND NO.	DESCRIPTION
A	IN-PLACE PAVEMENT (RETAIN)
B	EXISTING CURB & GUTTER (RETAIN)

REQUIRED MATERIALS LEGEND		
LEGEND NO.	ITEM NO.	DESCRIPTION
⑥	654A-001	SOLID SODDING (BERMUDA)
⑦	630A-001	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2
⑧	210A-000 AND/OR 210D-001	UNCLASSIFIED EXCAVATION BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
⑨	623C-000	COMBINATION CURB & GUTTER, TYPE C
⑫	650A-000	TOPSOIL (4" THICK)
⑬	572B-030	SOLDIER PILE RETAINING WALL, PERMANENT GROUND ANCHORS, PRECAST CONCRETE LAGGING

TYPICAL CONCRETE DITCH



NOTE: SEE DWG. NO. D-614 (INDEX NO. 61404)
FOR ADDITIONAL INFORMATION AS NEEDED

DETAIL "A"

		PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION		NOT TO SCALE		SHEET TITLE		ROUTE	
		FINAL PLANS		NORTH REGION				TYPICAL SECTION SHEET		CR-5	

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	2A

PROJECT NOTE SHEET

NOTE NO

NOTES

- 200OMIT
- 201OMIT
- 202COUNTY FORCES SHALL BE RESPONSIBLE FOR ANY ROADWAY PAVEMENT REPAIR.
CONCRETE CURB & GUTTER IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- 300OMIT
- 301OMIT
- 302OMIT
- 400ALL DISTURBED GROUND SHALL BE TEMPORARY MULCHED WITHIN SEVEN(7) DAYS AFTER DISTURBANCE OR AS DIRECTED BY THE ENGINEER. COST OF THIS WORK SHALL BE PAID UNDER ITEM 665B-001.
- 401OMIT
- 800IT 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.
- 801OMIT
- 900LESS THAN ONE(1) ACRE OF DISTURBANCE. NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.

				PLAN SUBMITTAL	 ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION				
				FINAL PLANS			NOT TO SCALE	SHEET TITLE PROJECT NOTE SHEET	ROUTE CR-5

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRP-9070(949)	2022	28

GENERAL TRAFFIC CONTROL PLAN NOTES

○ 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 BACKROUND.

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 111)

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 DELINEATIONS, 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 701C 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 PADDOLES 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 ONE 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 1/2 MILE BEGINNING PRIOR TO THE WIDENING OR RESURFACING. REQUIRED SHOULDER WORK TO ELIMINATE THE DROP-OFFS SHALL BE PURSUED IN AN EXPEDITIOUS MANNER FOLLOWING THE WIDENING AND/OR RESURFACING.

728 A DIFFERENCE IN ELEVATION OF APPROXIMATELY 2 INCHES OR LESS AT THE CENTERLINE MAY BE ALLOWED DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULD BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS. 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.

729 OMITTED

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 GC-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE GC-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 AT 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 CANNOT BE REPLACED IN ONE DAY'S TIME.

751 CONSTRUCTION SIGNS MOUNTED ON A SINGLE OR DUAL SQUARE TUBULAR OR U-CHANNEL POST SHALL BE INSTALLED AS SHOWN ON SPECIAL DRAWING NOS. IHS-710-21 AND IHS-710-23.

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

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

FOR CHRISTMAS AND NEW YEARS DAY:

FROM 11:59 PM DECEMBER 23 THROUGH 6:00 AM JANUARY 2.

FOR NATIONAL MEMORIAL DAY AND LABOR DAY:

FROM 12:00 NOON THE FRIDAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR INDEPENDENCE DAY (THE 4TH OF JULY)

FROM 12:00 NOON THE DAY BEFORE THE HOLIDAY THROUGH 11:59 PM THE DAY OF THE HOLIDAY.

FOR THANKSGIVING DAY:

FROM 12:00 NOON THE WEDNESDAY BEFORE THANKSGIVING DAY THROUGH 11:59 PM THE SUNDAY FOLLOWING THANKSGIVING DAY.

ANY OTHER STATE HOLIDAYS WILL BE HANDLED AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND LOCAL GOVERNMENT ON TRAFFIC AND/OR WORK RESTRICTIONS FOR LOCAL HOLIDAYS OR EVENTS NOT LISTED ON ALDOT'S LIST OF OFFICIAL STATE HOLIDAYS.

753 THE CONTRACTOR SHALL LIMIT LANE CLOSURES DURING PEAK A.D.T. TIMES OR SPECIAL EVENTS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MARSHALL COUNTY OR ALDOT.



ALABAMA DEPARTMENT
OF TRANSPORTATION
460 COLLESSION BOULEVARD
MONTGOMERY, AL 36106-5000

THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION. IT IS TO BE USED FOR THE CONSTRUCTION, RECONSTRUCTION, ALTERED, OR USED BY ANYONE, OR ANY OTHER PURPOSE, WITHOUT THE WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

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

Drawn By: D.J.W.
DATE DRAWN: 12-8-2021
REVIEW DATE:

DESIGN BUREAU SPECIAL DRAWING
GENERAL TRAFFIC CONTROL
PLAN NOTES

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION
SPECIAL DRAWING NO
SPECIAL PROJECT DETAIL
INDEX NO
2000

NOT TO SCALE

-SPECFICATIONS--

SUMMARY OF QUANTITIES SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	3

7/25/2022 8:58:39 PM \$USERS\$ \$NAMES\$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_003_QTY.dgn

ROADWAY		TOTAL	ITEM NO	UNIT	DESCRIPTION	PROJECT NOTES
1	1	201A-002	LUMP SUM	CLEARING AND GRUBBING (MAX ALLOWABLE BID \$8000 PER ACRE) (APPROXIMATELY 0.5 ACRE)		
260	260	206D-001	LIN FT	REMOVING GUARDRAIL		
100	100	206D-003	LIN FT	REMOVING CURB AND GUTTER		
1	1	206E-008	EACH	REMOVING END ANCHOR (ALL TYPE)		
805	805	210A-000	CU YD	UNCLASSIFIED EXCAVATION		
98	98	210D-001	CU YD	BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)		
5	5	430B-003	TON	AGGREGATE SURFACING (ALDOT #57)		
3410	3410	572B-030	SQ FT	SOLDIER PILE RETAINING WALL, PERMANENT GROUND ANCHORS, PRECAST CONCRETE LAGGING		
1	1	600A-000	LUMP SUM	MOBILIZATION		
15	15	610C-001	TON	RIPRAP, CLASS 2		
12	12	610D-003	SQ YD	FILTER BLANKET, GEOTEXTILE		
11	11	614A-000	CU YD	SLOPE PAVING		
100	100	623C-000	LIN FT	COMBINATION CURB AND GUTTER, TYPE C		
307	307	630A-001	LIN FT	PROFILE SHEET		
1	1	630C-050	EACH	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2		
58	58	650A-000	CU YD	TOPSOIL		
1	1	652A-100	ACRE	SEEDING		
1320	1320	654A-001	SQ YD	SOLID SODDING (BERMUDA)		
1	1	656A-010	ACRE	MULCHING		400
640	640	659C-001	SQ YD	EROSION CONTROL PRODUCT, TYPE S3		
1	1	665A-000	ACRE	TEMPORARY SEEDING		
3	3	665B-001	TON	TEMPORARY MULCHING		
75	75	665G-001	EACH	SANDBAGS		
330	330	665J-002	LIN FT	SILT FENCE		
20	20	665N-000	TON	TEMPORARY COARSE AGGREGATE, ALDOT NO. 1		
330	330	665O-001	LIN FT	SILT FENCE REMOVAL		
1	1	680A-001	LUMP SUM	GEOMETRIC CONTROLS		
342	342	740B-000	SQ FT	CONSTRUCTION SIGNS		
50	50	740D-000	EACH	CHANNELIZING DRUMS		
50	50	740E-000	EACH	CONES (36 INCHES HIGH)		
2	2	740F-002	EACH	BARRICADES, TYPE 111		
50	50	740M-001	EACH	BALLAST FOR CONE		

	PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE	ROUTE
	FINAL PLANS				SUMMARY OF QUANTITIES SHEET	CR-5

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SUMMARY OF QUANTITIES SHEET

REGD REMOVING GUARDRAIL AND END ANCHOR						
STA	TO STA	SIDE	REMOVING GUARDRAIL	REMOVING END ANCHOR (ALL TYPE)	SP AND STD DWG	REMARKS
			260D-001	206E-008		
			LIN FT	EACH		
101+40.00	104+40.00	RT	260.00	1		
TOTAL			260	1		

REGD SOLID SODDING (BERMUDA) 654A-001				
STA	TO STA	SQ YD	SP AND STD DWG	REMARKS
102+40	104+60	1320	G	
TOTAL		1320		

REGD RETAINING WALL(SOLDIER PILE) 672B-030				
STA	TO STA	SQ FT	SP AND STD DWG	REMARKS
102+40	104+60	3410		LAGGING IS TO BE PRECAST CONCRETE
TOTAL		3410		

REGD SLOPE PAVING					
STA	TO STA	SIDE	614A-000	SP AND STD DWG	REMARKS
			CU YD		
102+40	104+60	RT	10.86	C	SEE DETAIL "A" ON SHEET 2
TOTAL			11		

REGD RIPRAP AND FILTER BLANKET					
ROAD	STA	SIDE	RIPRAP, CL 2	FILTER BLANKET, GEOTEXTILE	SP AND STD DWG
			610C-001	610D-003	
			TON	SQ YD	
CR-5	104+75	RT	14.07	11.11	
TOTAL			15	12	

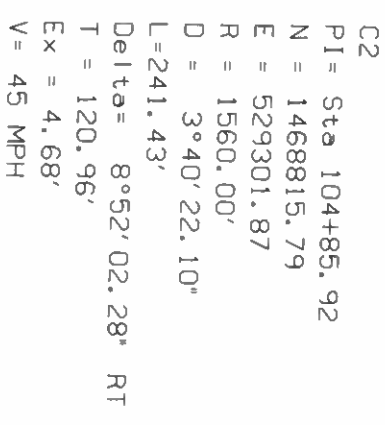
REGD GUARDRAIL AND END ANCHOR					
STA	TO STA	SIDE	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2	GUARDRAIL END ANCHOR, TYPE 20 SERIES	SP AND STD DWG
			630A-001	630C-050	
			LIN FT	EACH	
101+40.00	104+46.25	RT	306.25	1	A, B
TOTAL			307	1	

REGD EROSION AND SEDIMENT CONTROL									
ROAD	ECP TY S3	TEMPORARY SEEDING	TEMPORARY MULCHING	SAND BAGS	SILT FENCE	SILT FENCE REMOVAL	TEMPORARY COARSE AGGREGATE, ALDOT NO. 1	SP AND STD DWG	REMARKS
	659C-001	665A-000	665B-001	665G-000	665L-002	665O-001	665N-000		
	SO YD	ACRE	TON	EACH	LIN FT	LIN FT	TON		
CR-5	639.03	1	3	75	330	330	20	D,E,F,G,H,I,J,K,L,M,N,O,P,Q	
								R,S,T,U,V,W,X,Y,Z,AA,BB,CC	
TOTAL		640	1	3	75	330	20		

LEGEND	
A	GR-630-FD
B	GR-630-20
C	D-614
D	ESC-509
E	ESC-100-1
F	ESC-100-2
G	ESC-200-1
H	ESC-200-2
I	ESC-200-3
J	ESC-200-4
K	ESC-300-1
L	ESC-300-3
M	ESC-300-4
N	ESC-300-5
O	ESC-300-6
P	ESC-300-7
Q	ESC-300-8
R	ESC-400-1
S	ESC-400-2
T	ESC-400-3
U	ESC-400-4
V	ESC-400-5
W	ESC-501
X	ESC-502
Y	ESC-503
Z	ESC-504
AA	ESC-505
BB	ESC-506-1
CC	ESC-507

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	4

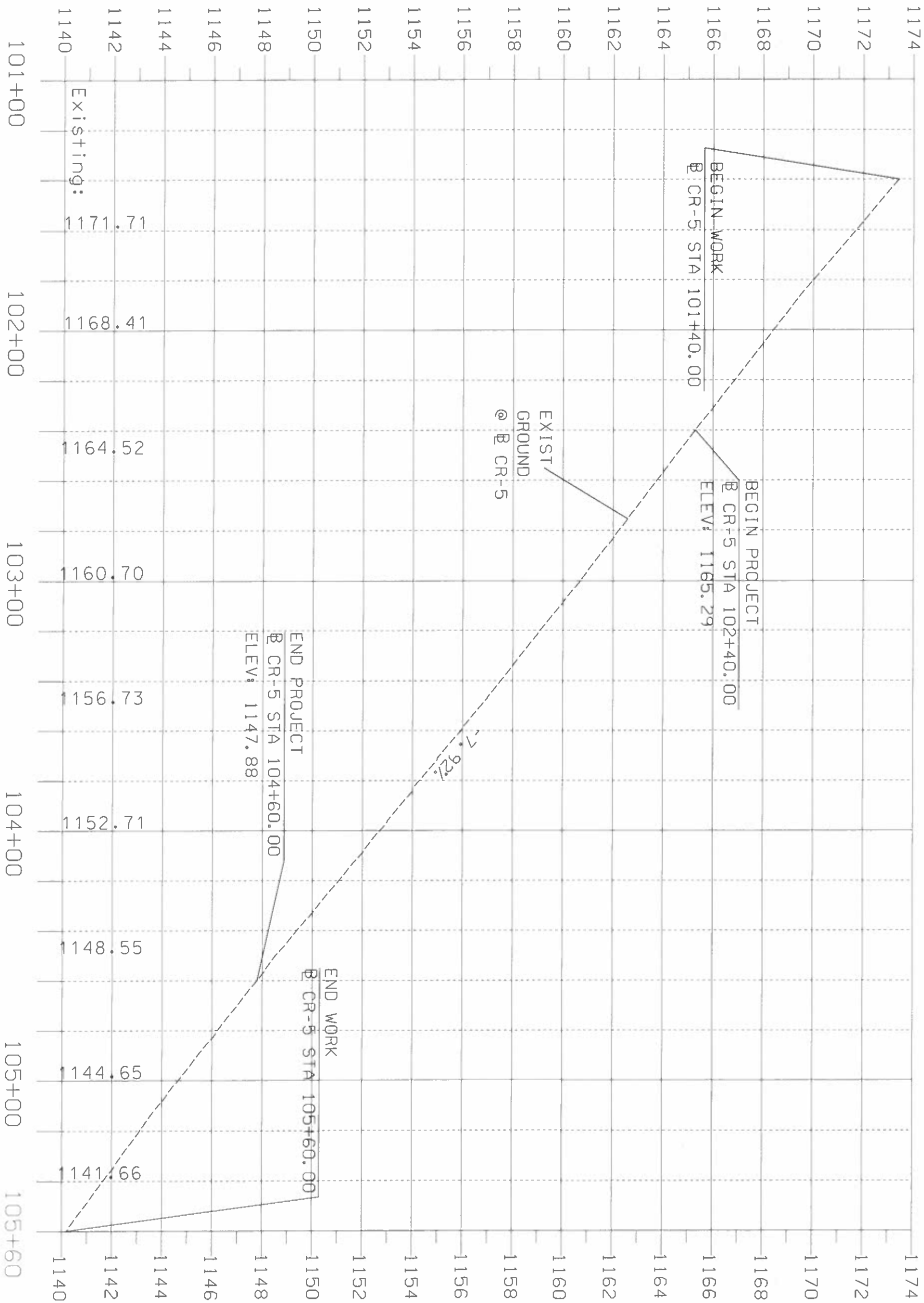
PROJECT NOTE GN
400



7/25/2022 8:57:16 PM \$USER\$ \$NAME\$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_004_PLN.dgn

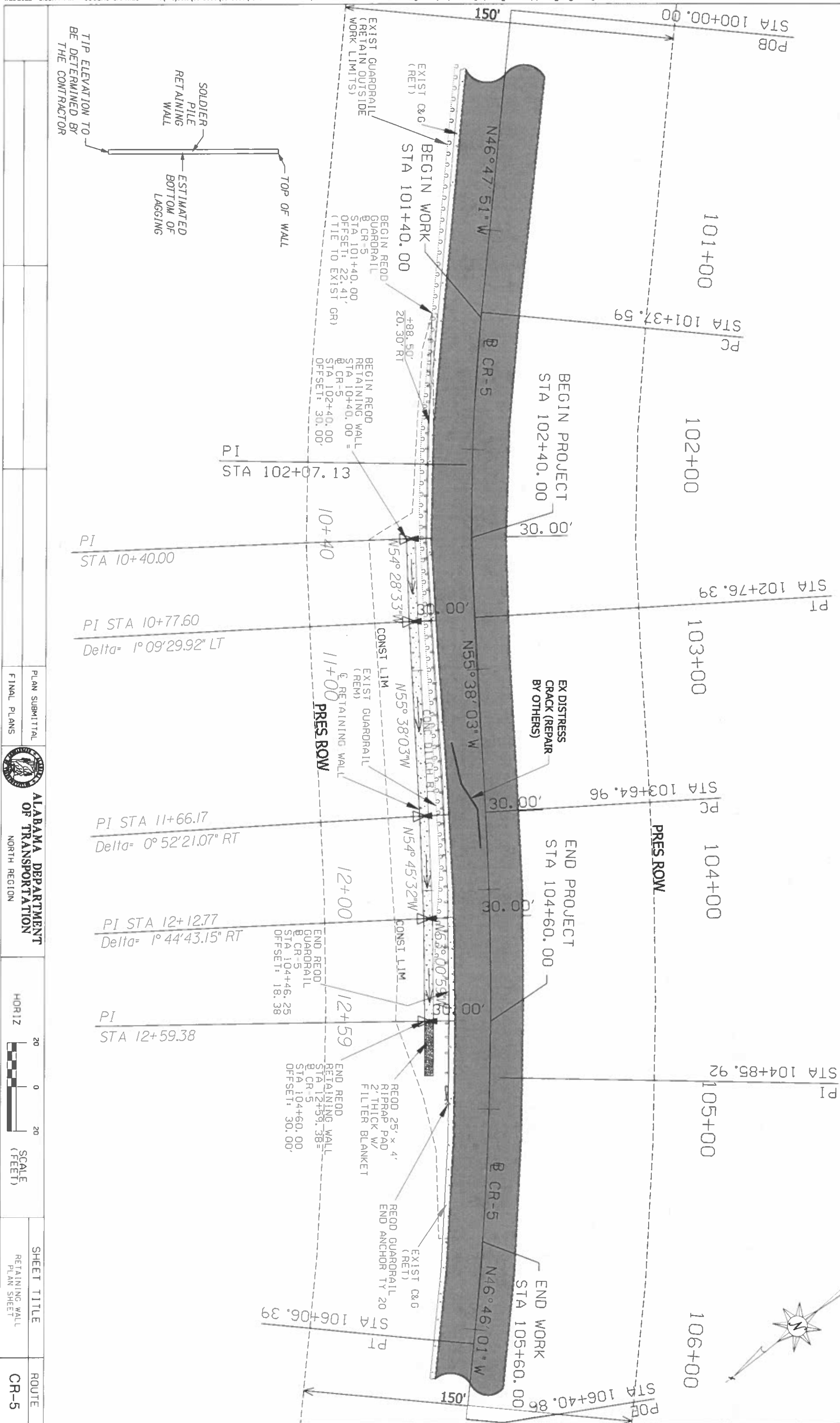
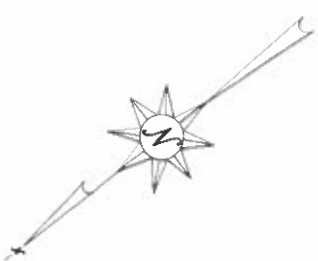
PROFILE SHEET

REFERENCE	FISCAL	SHEET
PROJECT NO	YEAR	NO
ERRP-9070(949)	2022	4A



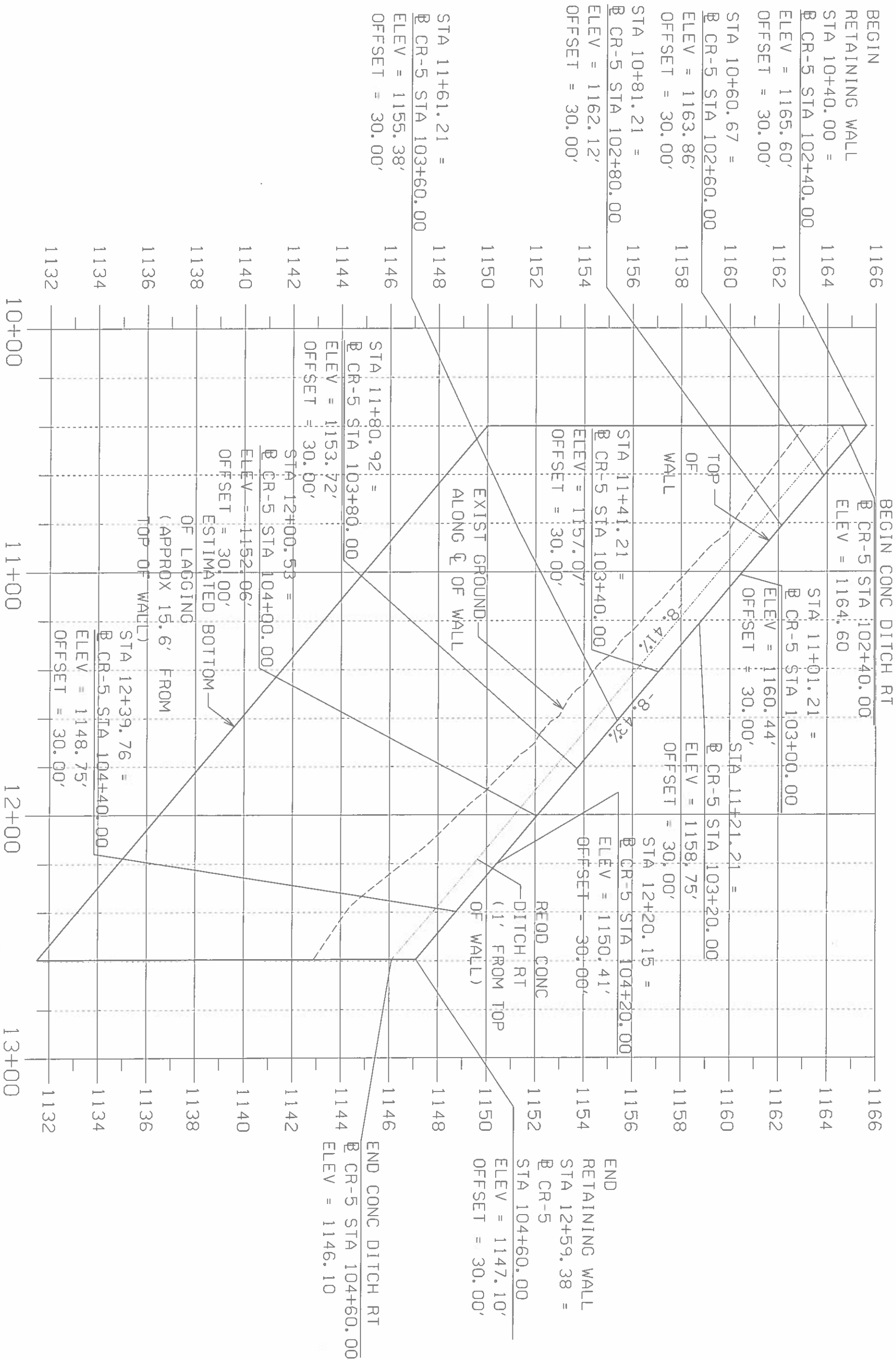
RETAINING WALL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	5



RETAINING WALL PROFILE SHEET

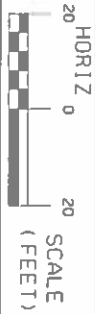
REFERENCE	FISCAL	SHEET
PROJECT NO	YEAR	NO
ERRR-9070949	2022	5A



PLAN SUBMITTAL
FINAL PLANS



ALABAMA DEPARTMENT
OF TRANSPORTATION
NORTH REGION



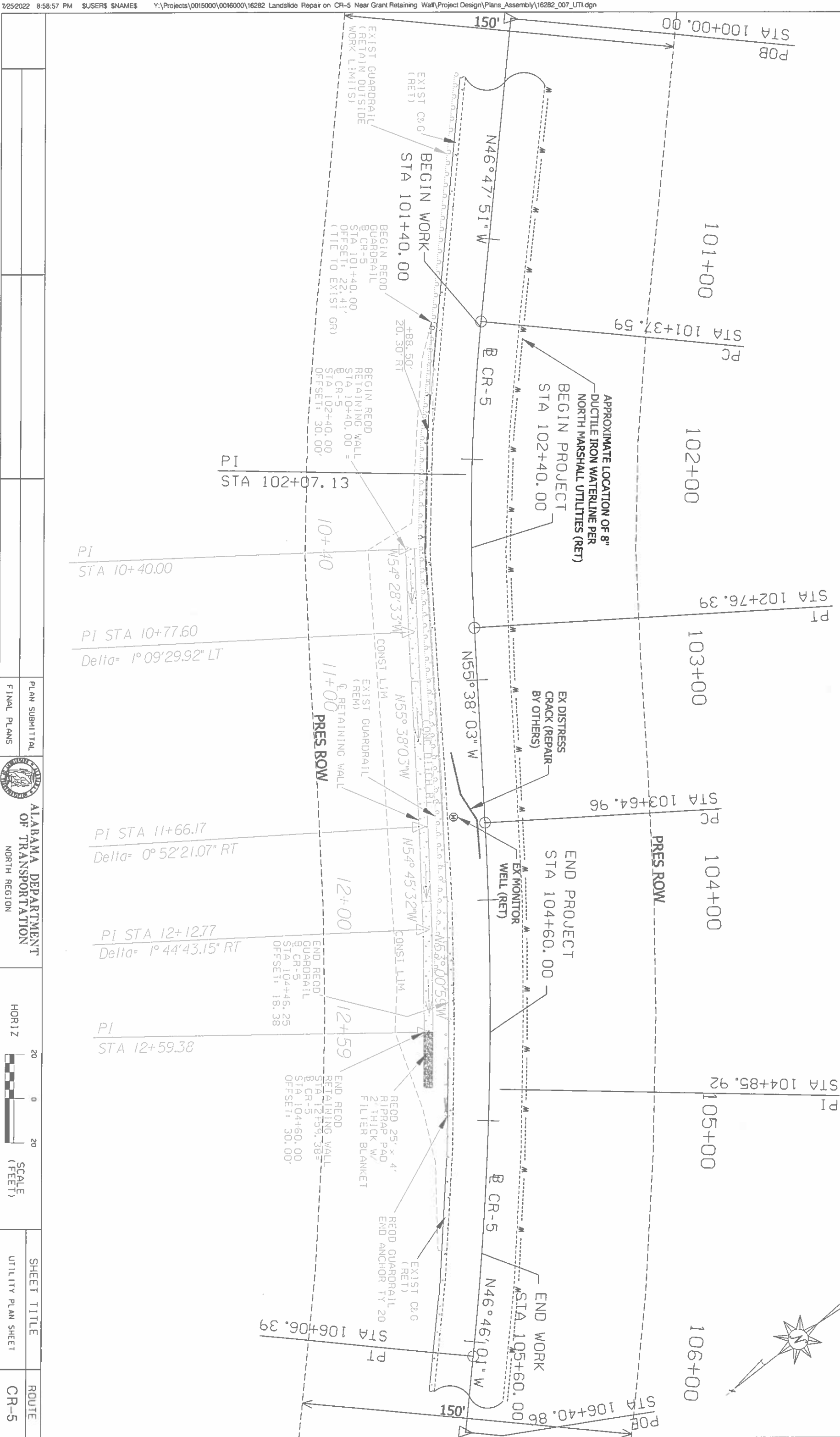
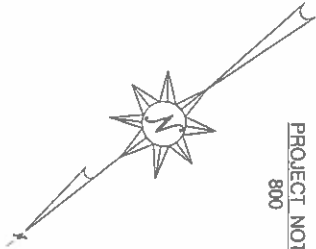
SHEET TITLE
RETAINING WALL
PROFILE SHEET

ROUTE
CR-5

UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070949	2022	7

PROJECT NOTE
800



PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ	SHEET TITLE	ROUTE
FINAL PLANS	NORTH REGION	20 0 20 SCALE (FEET)	UTILITY PLAN SHEET	CR-5

TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION AND QUANTITIES

NOTE :

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

SEQUENCE OF CONSTRUCTION

PHASE I

- INSTALL ALL APPLICABLE ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

PHASE II

- UTILIZE THE TCP DETAIL SHEETS & STANDARD TCP LANE CLOSURE DETAILS TO PERFORM THE REQUIRED GRADING, DRAINAGE, SOLDIER PILE AND ANCHORS AS NECESSARY TO BUILD REQUIRED RETAINING WALL.
- ONE LANE IS TO REMAIN OPEN AT ALL TIMES.
- INSTALL ALL GUARDRAIL ALONG CR-5.

PHASE III

- COMPLETE ANY REMAINING ITEMS OF WORK.
- REMOVE CONSTRUCTION TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

TCP NOTES:

700,701,702,703,704,707,708,
709,710,711,712,715,716,720,
725,729,732,733,734,735,736,
737,742,744,749,750,751,752,
753

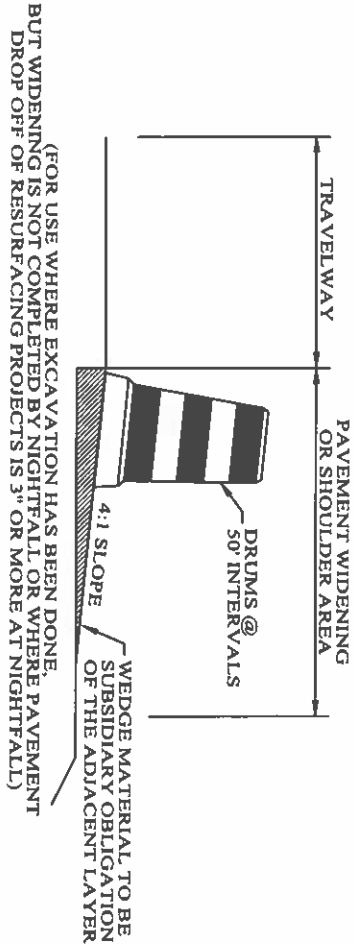
CONSTRUCTION SIGNS						
SIGN NO	DESCRIPTION	SIZE	QUANTITY	AREA (SQ FT)	TOTAL AREA (SQ FT)	SP OR STD DWG SIGN MOUNT
G20-2	END ROAD WORK	48"X24"	2	8.00	16	SHS-30P
R2-1	SPEED LIMIT 40	24"X30"	2	5.00	10	SHS-1P
R2-1	SPEED LIMIT 30	24"X30"	2	5.00	10	SHS-1P
R2-1	SPEED LIMIT 25	24"X30"	2	5.00	10	SHS-1P
R16-3	BEGIN HIGHER FINES WHEN WORKERS ARE PRESENT	48"X60"	2	20.00	40	SHS-10P
R16-3a	END HIGHER FINES	48"X48"	2	16.00	32	SHS-10P
W3-5b	REDUCED SPEED AHEAD	48"X48"	2	16.00	32	SHS-26P
W20-1	ROAD WORK AHEAD	48"X48"	2	16.00	32	SHS-29P
W20-1	ROAD WORK 1500 FT	48"X48"	2	16.00	32	SHS-29P
W20-1	ROAD WORK 1000 FT	48"X48"	2	16.00	32	SHS-29P
W20-1	ROAD WORK 500 FT	48"X48"	2	16.00	32	SHS-29P
W20-4	ONE LANE ROAD AHEAD	48"X48"	2	16.00	32	SHS-29T
W20-7	FLAGGER	48"X48"	2	16.00	32	SHS-29T
TOTAL AREA					342	

T: TEMPORARY
P: POST

ITEM NO	DESCRIPTION	UNIT	QUANTITY	SP OR STD DWG
740B-000	CONSTRUCTION SIGNS	SQ FT	342	IHS-710-12, IHS-710-21, IHS-710-23
740D-000	CHANNELIZING DRUMS	EACH	50	TCD-100
740E-000	CONES (36 INCHES HIGH)	EACH	50	TCD-100
740F-002	BARRICADES, TYPE III	EACH	2	B-107-2
740M-001	BALLAST FOR CONE	EACH	50	TCD-100

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	11

TEMPORARY TRAFFIC CONTROL PLAN SHEET

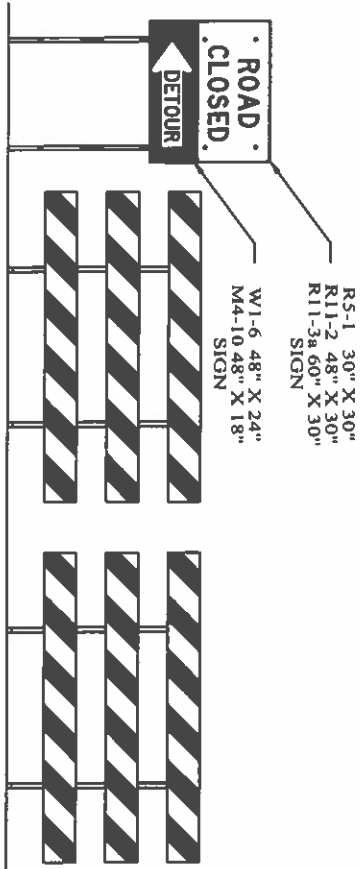
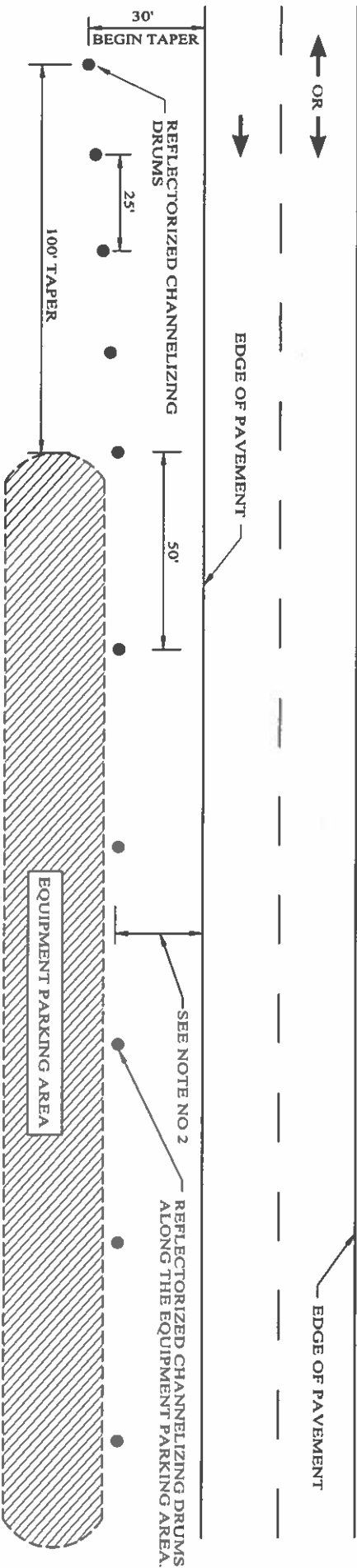


TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

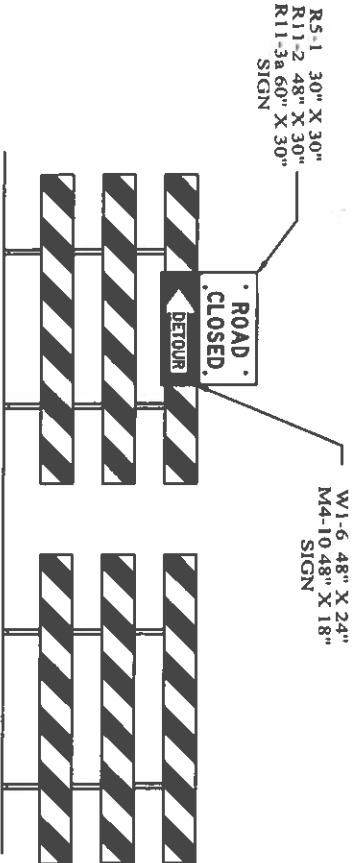
NOTE:
THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE. THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ADJACENT LAYER.
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.

- 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.



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REVISIONS

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

Drawn and Eng'd: D.J.W.
Drawn by: _____
DATE DRAWN: _____
REVISED DATE: 12-8-2021

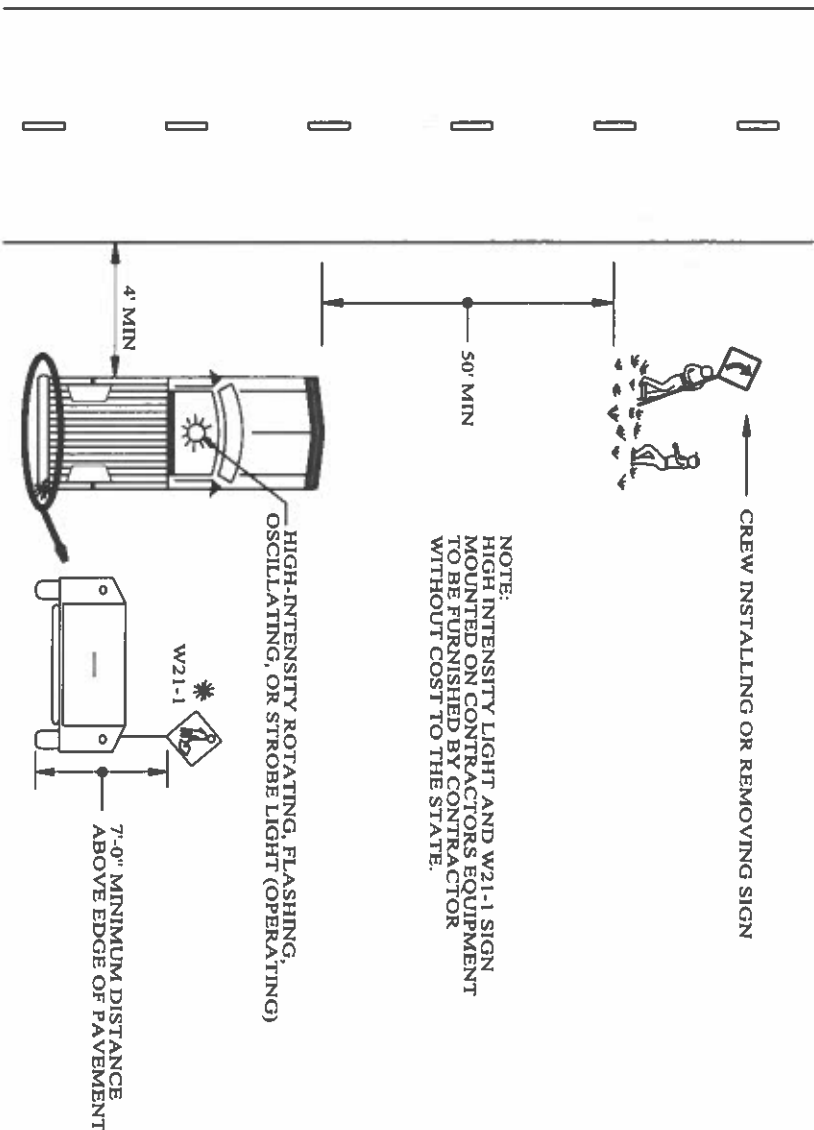
DESIGN BUREAU SPECIAL DRAWING
STANDARD DETAILS FOR
TRAFFIC CONTROL PLANS

NOT TO SCALE

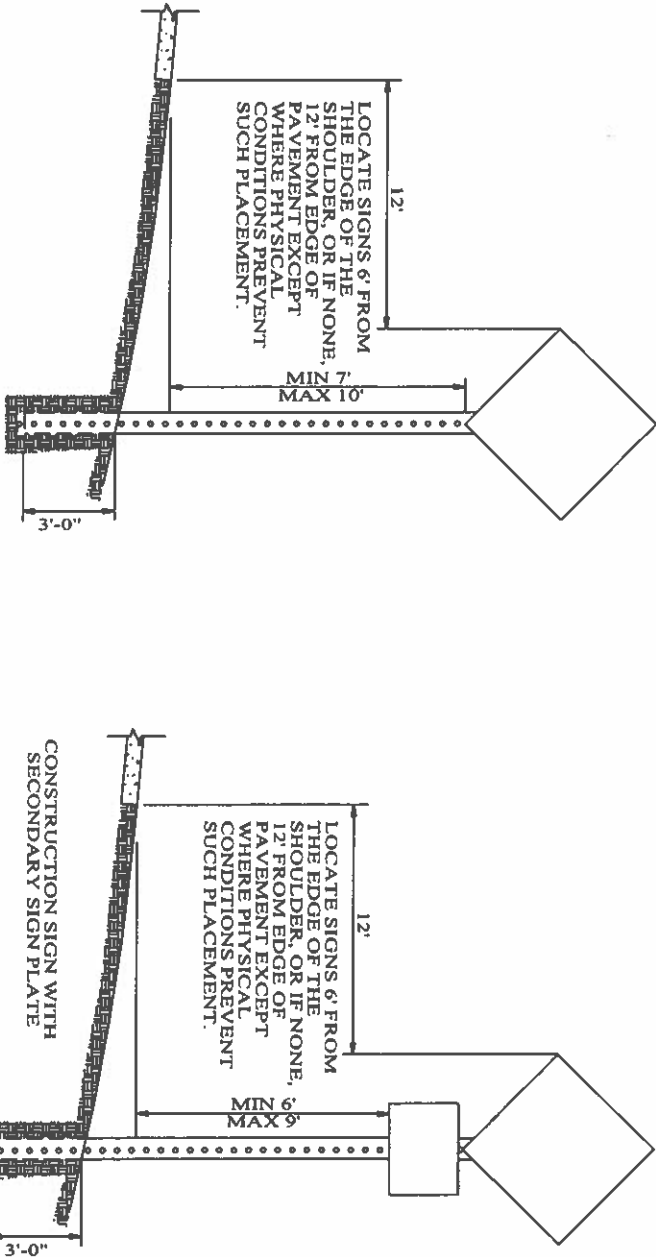
-SPECIFICATIONS-		
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	SPECIAL DRAWING NO	INDEX NO
	SPECIAL PROJECT DETAIL	2001

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	11A

TEMPORARY TRAFFIC CONTROL PLAN SHEET



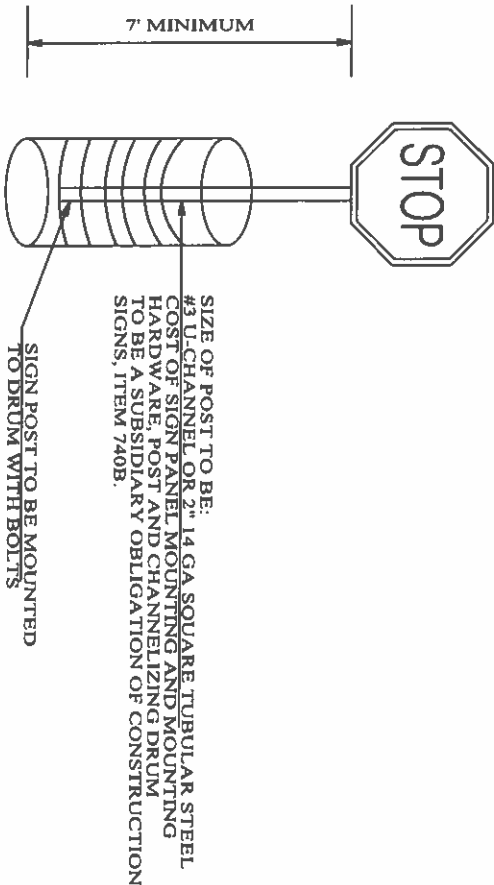
NOTE: HIGH INTENSITY LIGHT AND W21-1 SIGN MOUNTED ON CONTRACTOR'S EQUIPMENT TO BE FURNISHED BY CONTRACTOR WITHOUT COST TO THE STATE.



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

TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

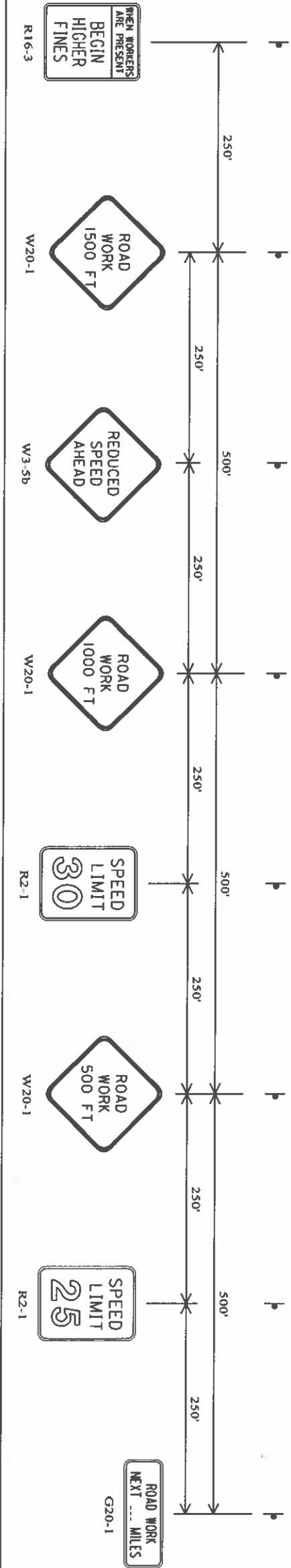
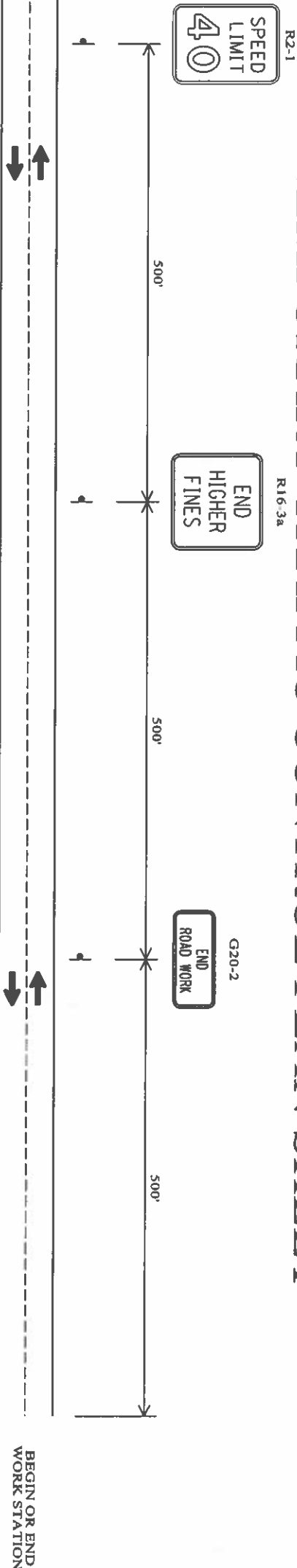
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 ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLLETON BOULEVARD MONTGOMERY, AL 36103-3090	THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.	REVISIONS: <table><tr><td>Sheet No. Page:</td><td>D.J.W.</td></tr><tr><td>DRAWN BY:</td><td></td></tr><tr><td>DATE DRAWN:</td><td></td></tr><tr><td>REVISED DATE:</td><td>6-12-2019</td></tr></table>	Sheet No. Page:	D.J.W.	DRAWN BY:		DATE DRAWN:		REVISED DATE:	6-12-2019	DESIGN BUREAU SPECIAL DRAWING STANDARD DETAILS FOR TRAFFIC CONTROL PLANS	SPECIAL DRAWING NO SPECIAL PROJECT DETAIL	INDEX NO 2001A
Sheet No. Page:	D.J.W.												
DRAWN BY:													
DATE DRAWN:													
REVISED DATE:	6-12-2019												

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	11B

TEMPORARY TRAFFIC CONTROL PLAN SHEET

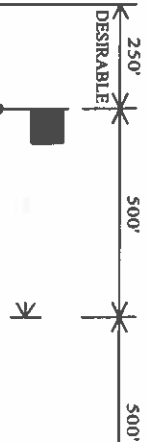
TYPICAL PLACEMENT FOR ADVANCE WARNING SIGNS



GENERAL NOTES

- ALL ADVANCE WARNING SIGNS REQUIRED AT THE BEGINNING AND END OF PROJECT SHALL BE POST MOUNTED. ALL SIGNS REQUIRED FOR THE LANE CLOSURE SHALL BE TEMPORARY MOUNTED.
- SIGN (XX) SHALL SHOW THE SPEED IN THE WORK ZONE. SIGN (YY) SHALL BE USED IF SPEED REDUCTION REQUIRES TWO SIGNS. SIGN(ZZ) SHALL SHOW THE POSTED SPEED OUTSIDE THE WORK ZONE.

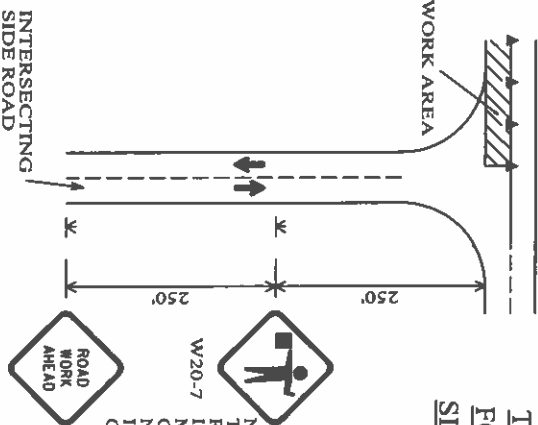
SEE TABLE 6E-1 OF THE MUTCD PART 6 FOR DISTANCE OF FLAGGER STATION IN ADVANCE OF THE WORK AREA



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

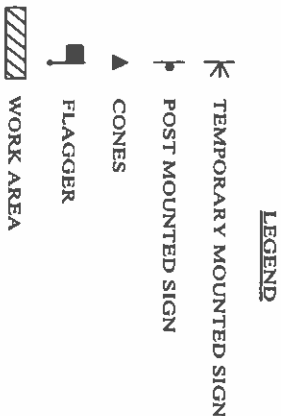
REQUIRED SIGN SIZES	
G20-1	48" X 24"
G20-2	48" X 24"
R2-1	24" X 30"
W3-5b	48" X 48"
R16-3	48" X 60"
R16-3a	48" X 48"
W20-1	48" X 48"
W20-4	48" X 48"
W20-7	48" X 48"

TRAFFIC CONTROL FOR INTERSECTING SIDE ROADS WITHIN WORK AREA

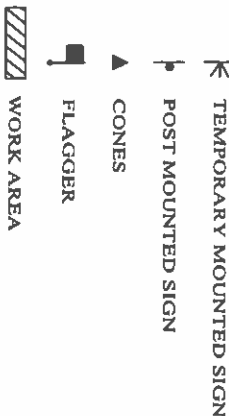


NOTE: THE W20-1 SIGN TO BE USED ON INTERSECTING ROADS SHALL BE 36"X36" IN SIZE. THE TEMPORARY MOUNTED W20-1 SIGN SHOWN ON THE SIDE ROAD, WILL NOT BE REQUIRED IF ONE IS ALREADY POST MOUNTED ON THE SIDE STREET.

TWO LANE HIGHWAY, ONE LANE CLOSURE



LEGEND



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REVISIONS

Revised Sub Figure	D.J.W.
DRAWN BY	
DATE DRAWN	
REVISED DATE	3-24-2021

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

NOT TO SCALE

-SPECIFICATIONS-	
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	INDEX NO
SPECIAL DRAWING NO	2002
SPECIAL PROJECT DETAIL	

EROSION AND SEDIMENT CONTROL PLANS LEGEND

BEST MANAGEMENT PRACTICES (BMP's)

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

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

EROSION AND SEDIMENT CONTROL PHASES

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

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

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

--SPECIFICATIONS--

CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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DESIGN BUREAU SPECIAL DRAWING

EROSION & SEDIMENT CONTROL
PLANS LEGEND

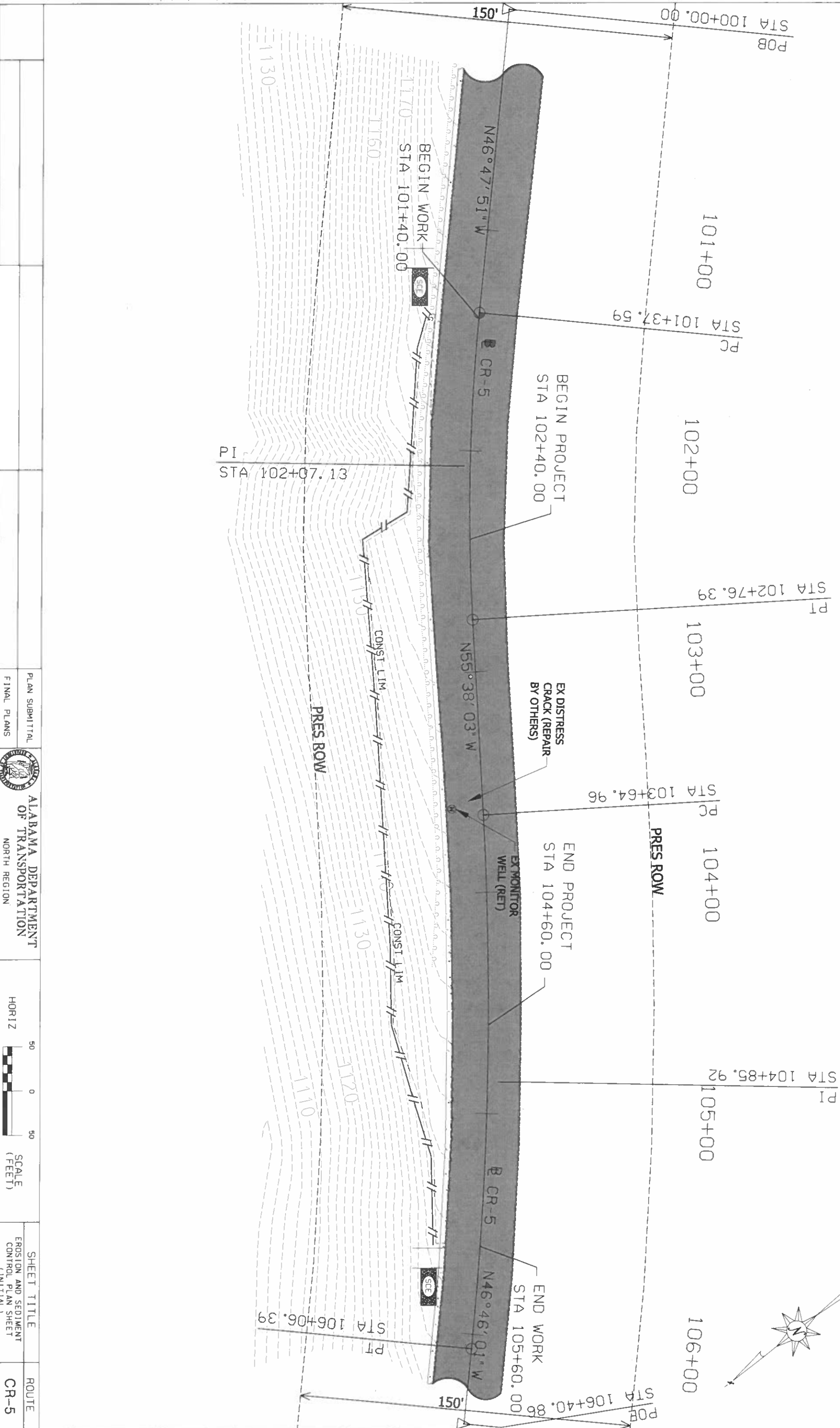
DRAWN BY: ENGR. LVAZ	SPECIAL DRAWING NO	INDEX NO
DATE: 10/14/15	SPECIAL PROJECT DETAIL	

NOT TO SCALE

EROSION AND SEDIMENT CONTROL PLAN SHEET (INITIAL)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	13

7/25/2022 9:01:10 PM \$USERS\$ \$NAMES\$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_013_ECP_INITIAL.dgn



PLAN SUBMITTAL
FINAL PLANS

ALABAMA DEPARTMENT
OF TRANSPORTATION
NORTH REGION

HORIZ
SCALE
(FEET)

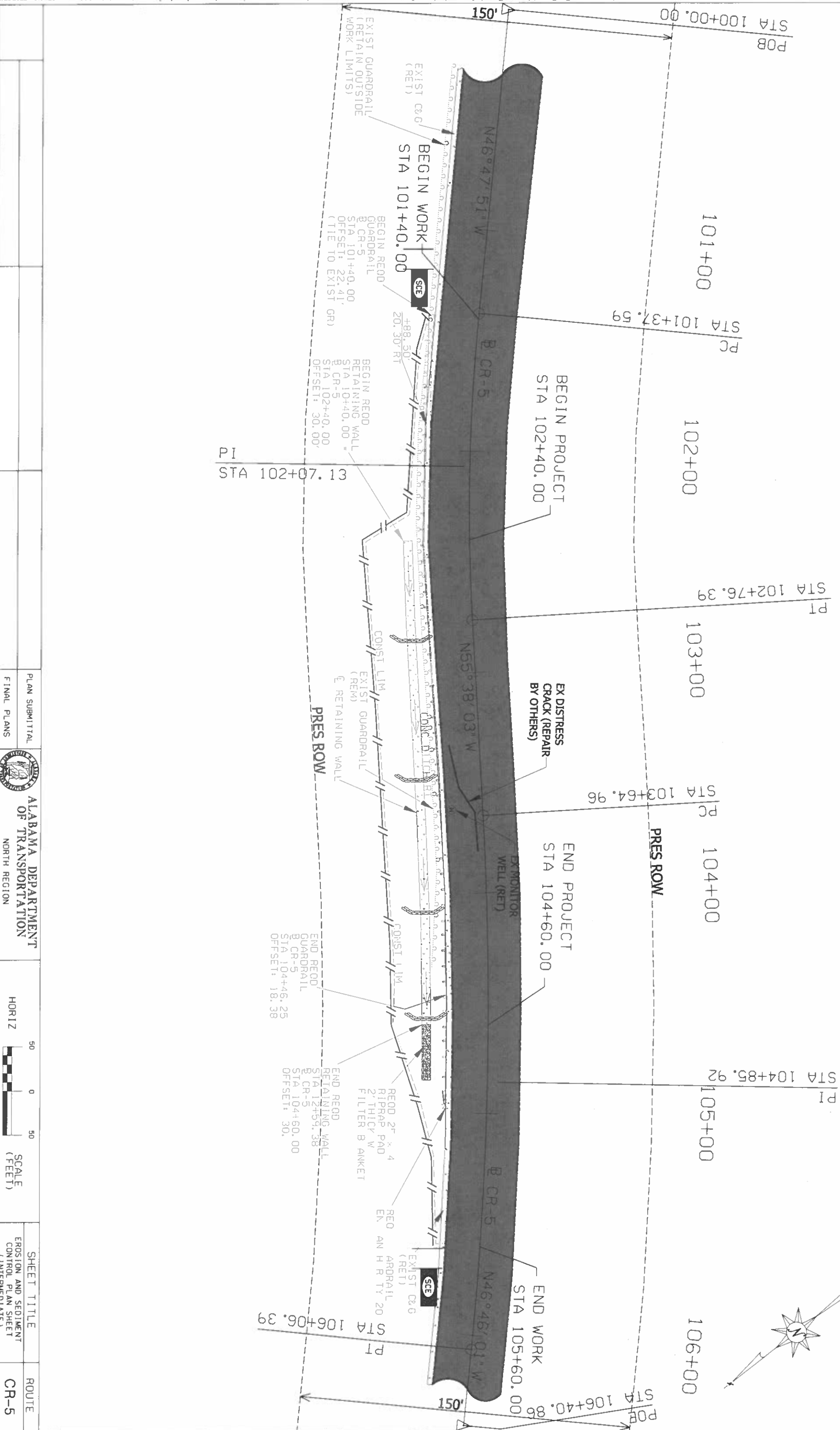
SHEET TITLE
EROSION AND SEDIMENT
CONTROL PLAN SHEET
(INITIAL)

ROUTE
CR-5

EROSION AND SEDIMENT CONTROL PLAN SHEET (INTERMEDIATE)

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRP-9070(949)	2022	14

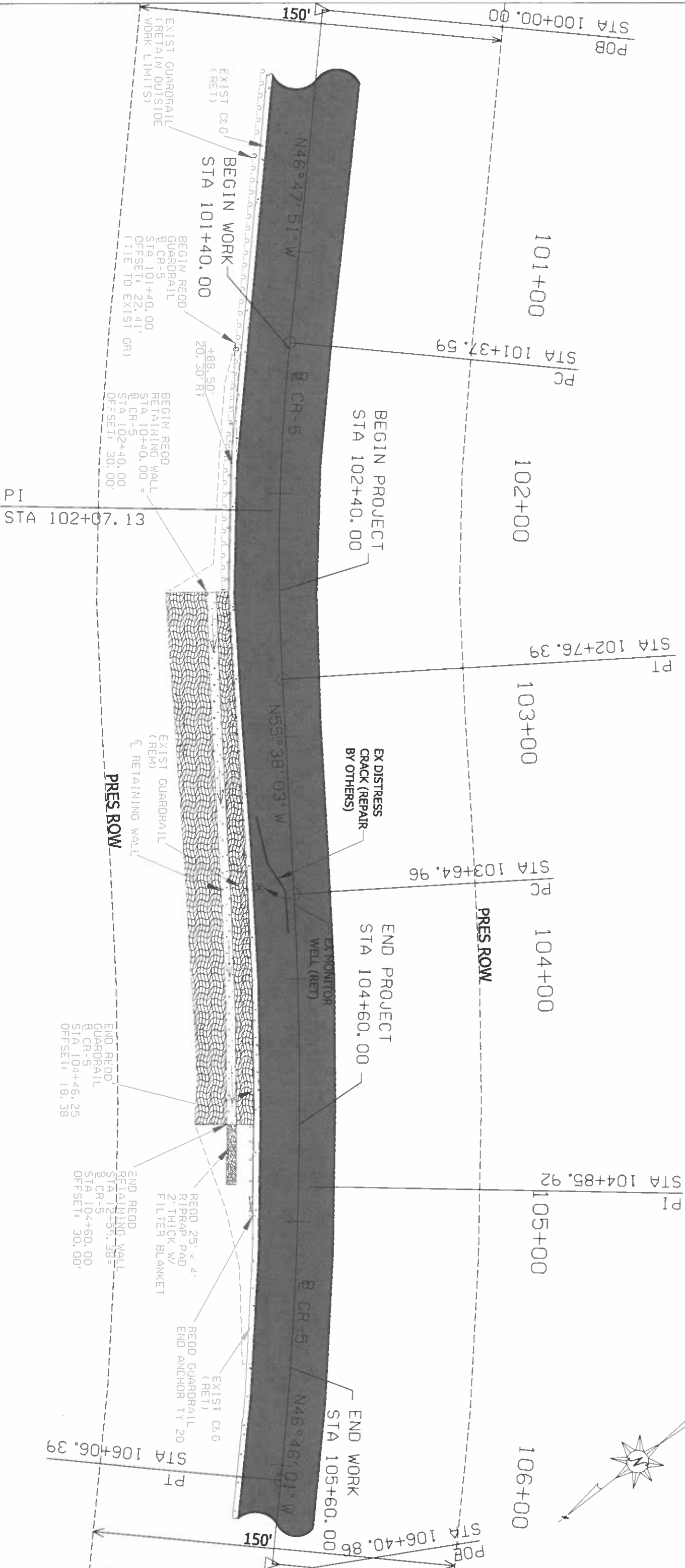
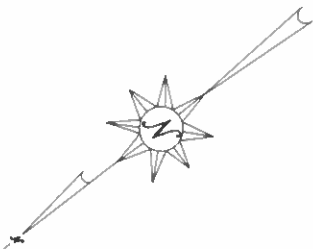
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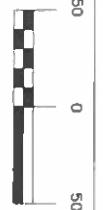


PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	HORIZ	SCALE (FEET)	SHEET TITLE	ROUTE
FINAL PLANS				EROSION AND SEDIMENT CONTROL PLAN SHEET (INTERMEDIATE)	CR-5

EROSION AND SEDIMENT CONTROL PLAN SHEET (FINAL)

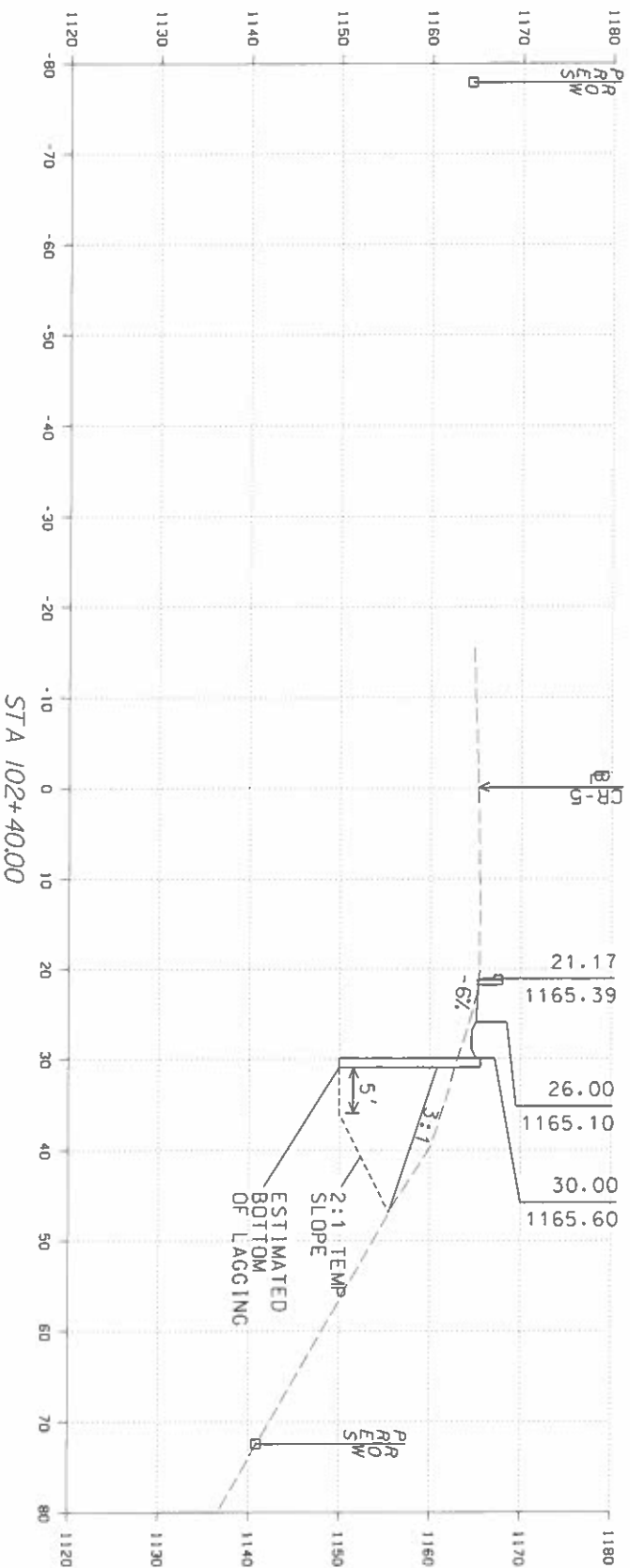
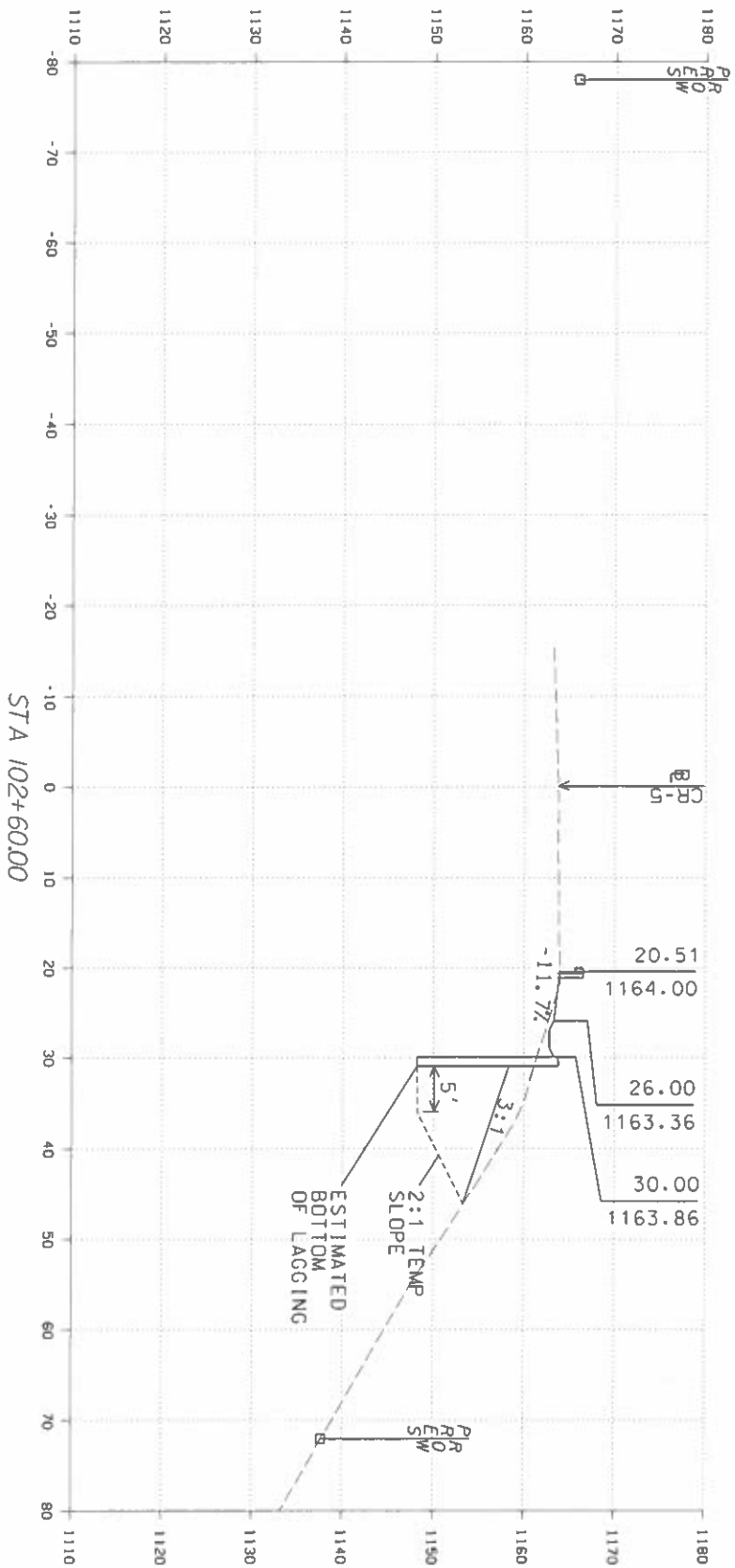
REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERP-9070(949)	2022	15



			PLAN SUBMITTAL	 ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	 SCALE (FEET)	SHEET TITLE EROSION AND SEDIMENT CONTROL PLAN SHEET (FINAL)	ROUTE CR-5
			FINAL PLANS				

CROSS SECTIONS

REFERENCE	FISCAL	SHEET
PROJECT NO	YEAR	NO
ERPR-9070(949)	2022	20

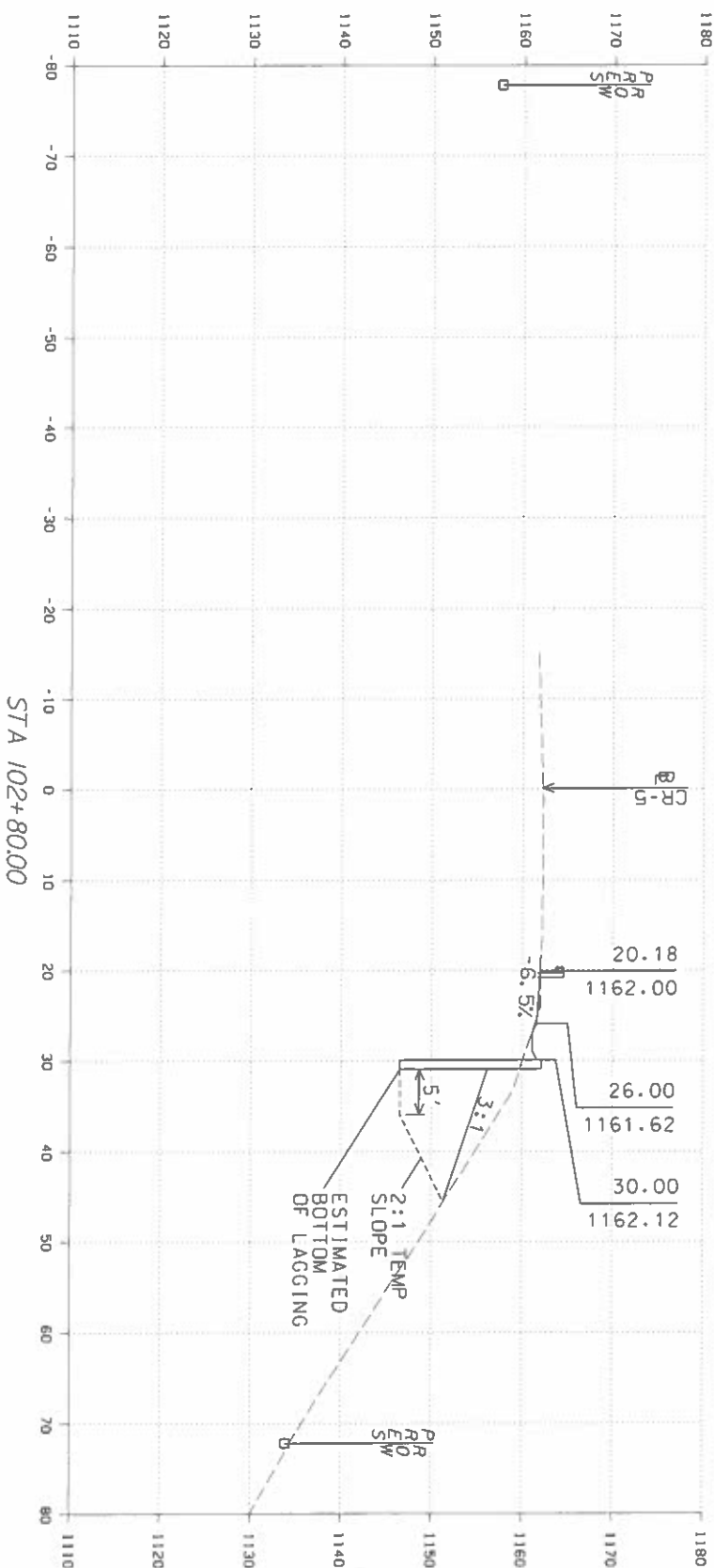
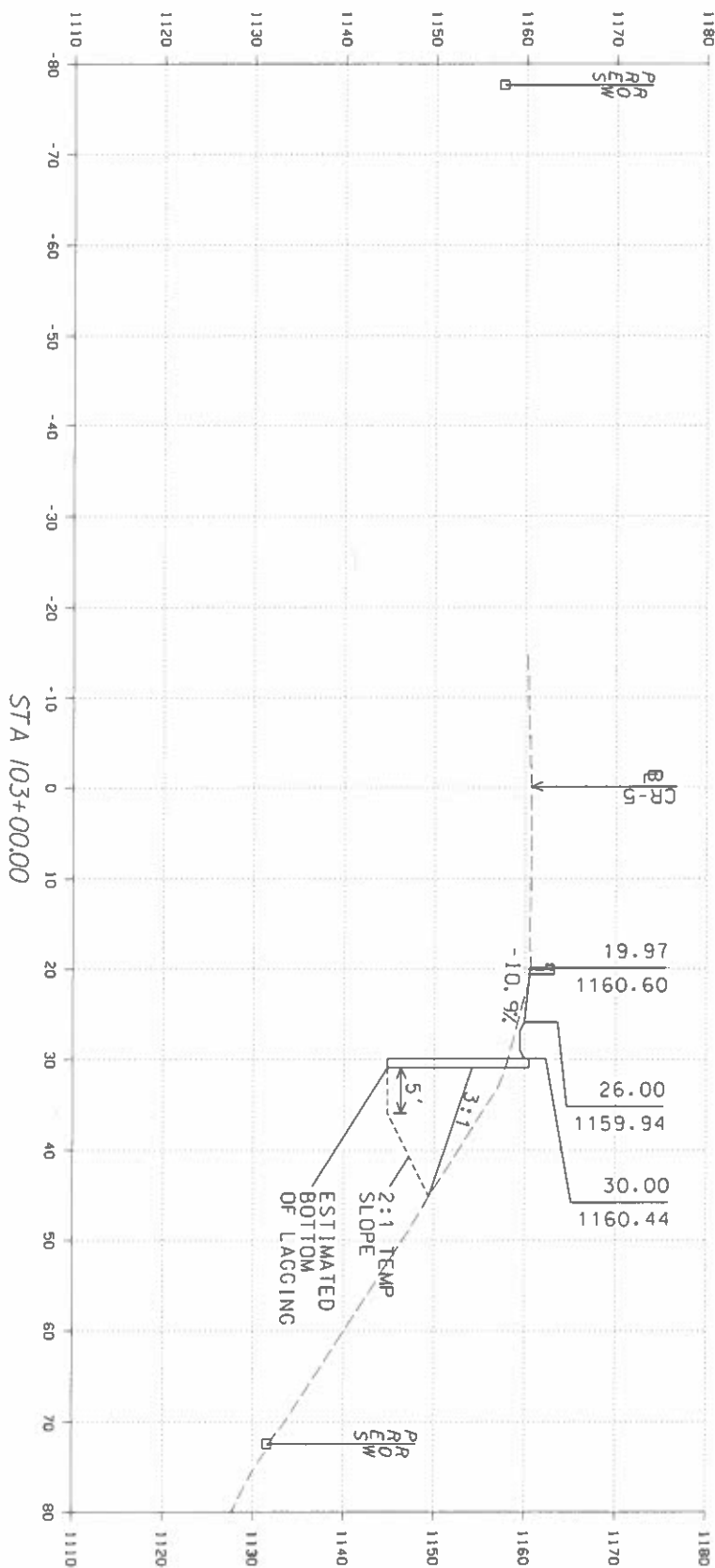


PLAN SUBMITTAL	PS&E	ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	10' HORIZ 0 10 SCALE (FEET)	10' VERT 0 10	SHEET TITLE	ROUTE
					CROSS SECTIONS	CR-5

Sta 102+40.00 TO Sta 102+60.00

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	21

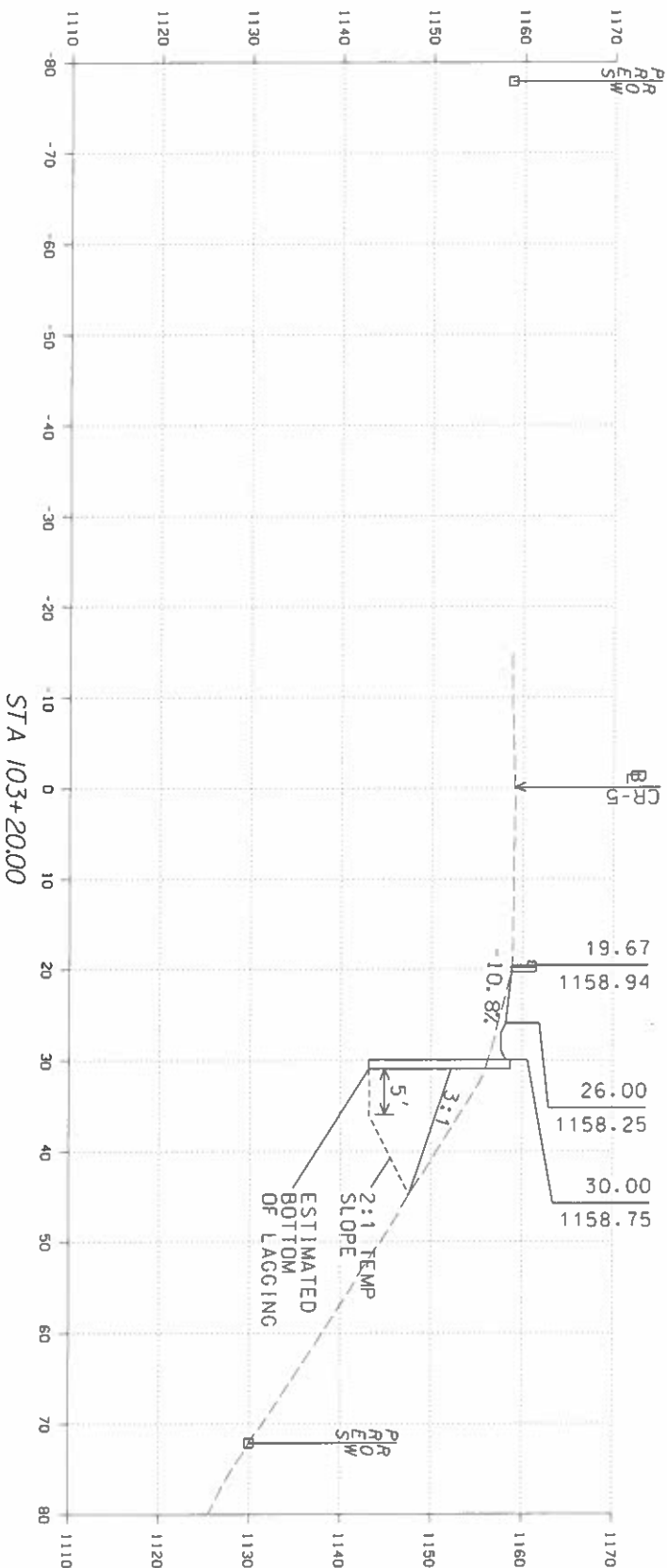
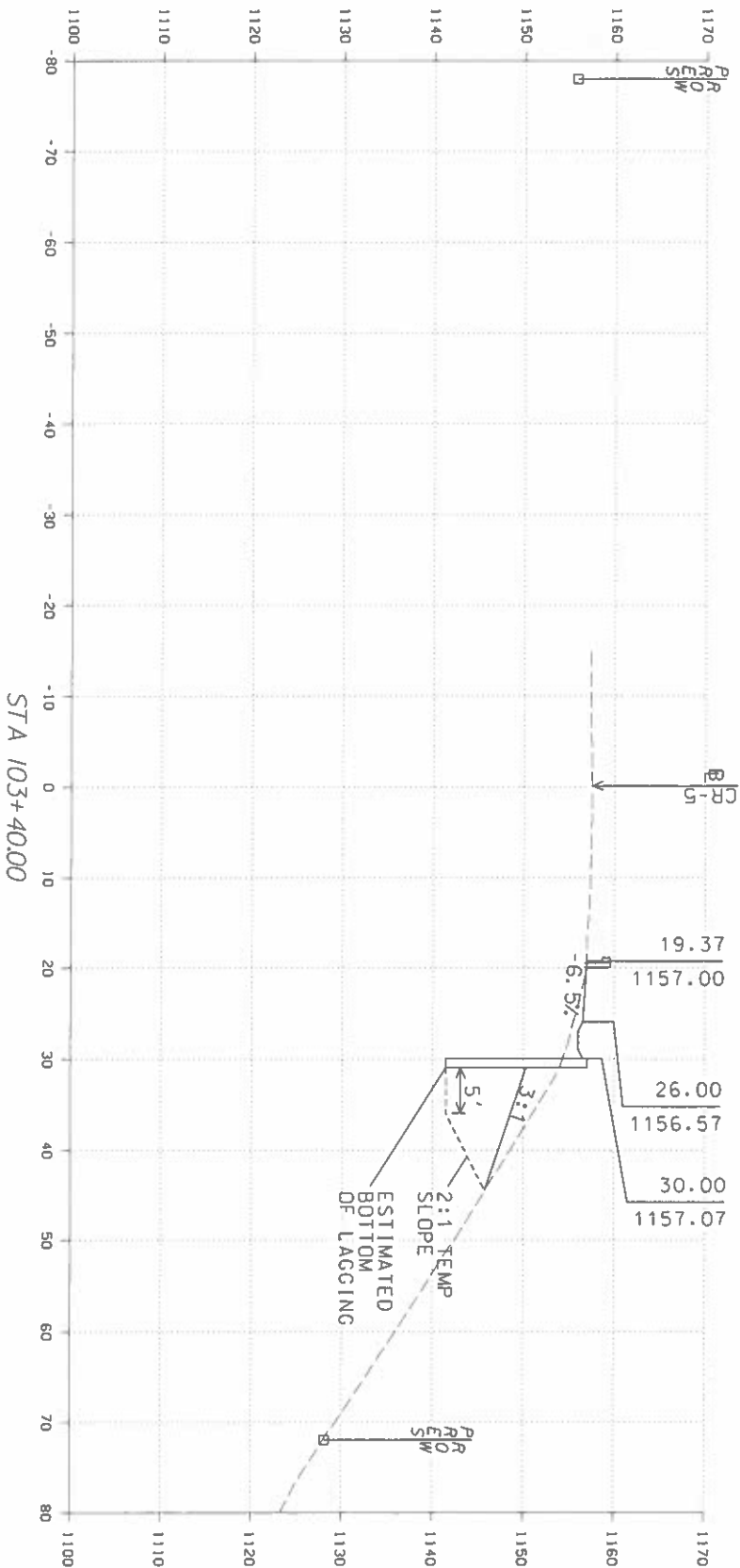


Std 102+80.00	TO	Std 103+00.00
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[illegible]

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-90701 9491	2022	22



PLAN SUBMITTAL

PS&E



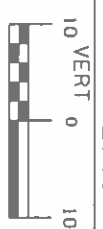
ALABAMA DEPARTMENT
OF TRANSPORTATION

NORTH REGION

HORIZ 0 10

VERT 0 10

SCALE (FEET)



SHEET TITLE

CROSS SECTIONS

ROUTE

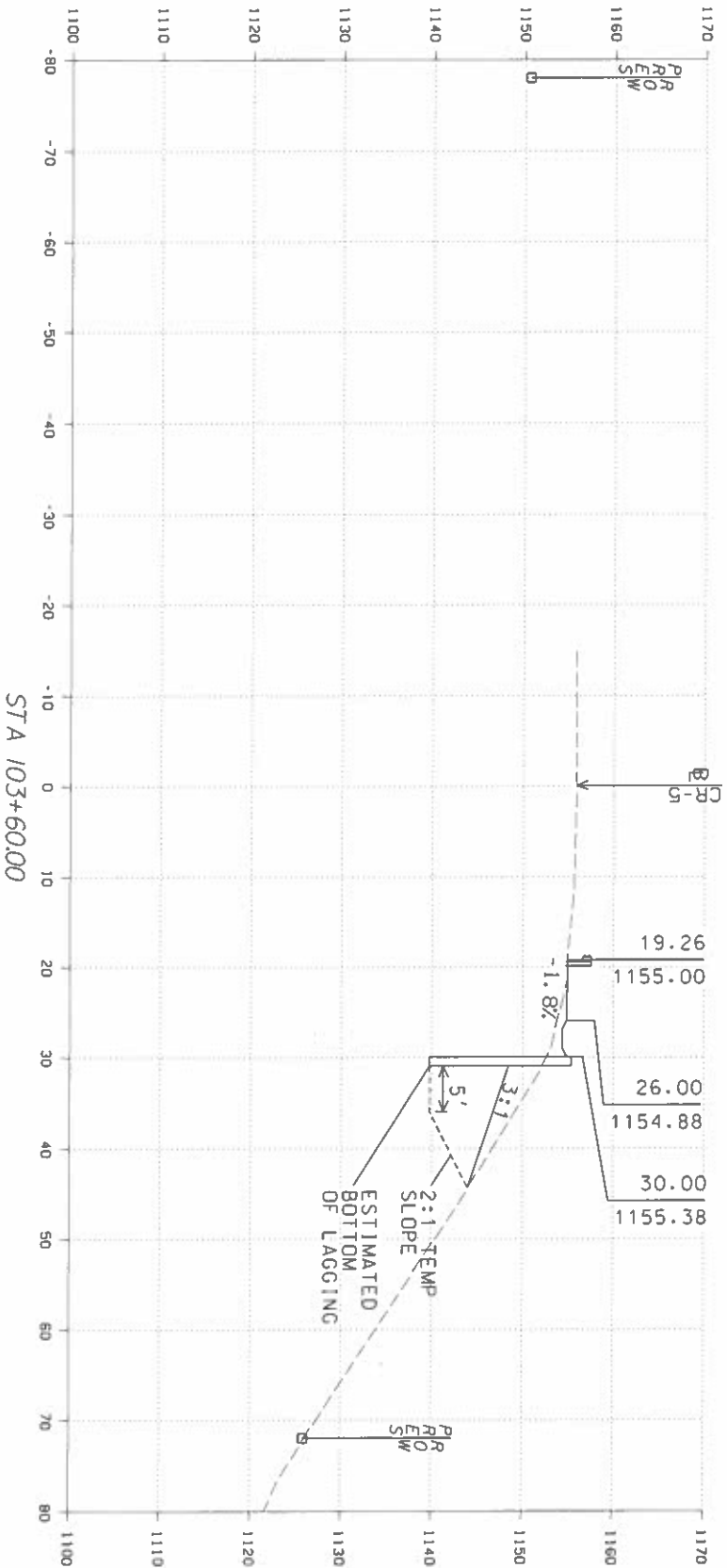
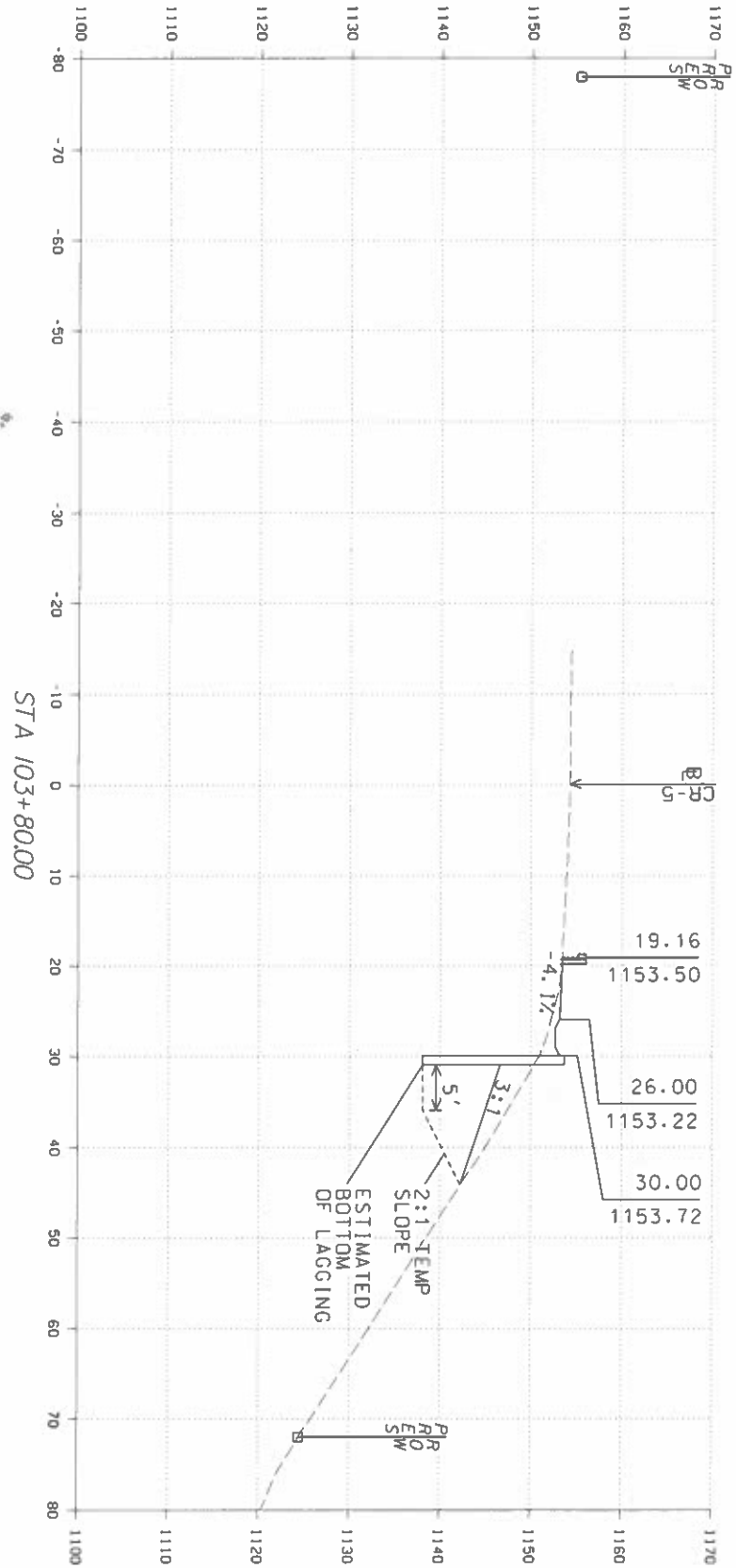
CR-5

STA 103+20.00

Sta 103+20.00 TO Sta 103+40.00

CROSS SECTIONS

REFERENCE	FISCAL	SHEET
PROJECT NO	YEAR	NO
ERPR-9070(949)	2022	23

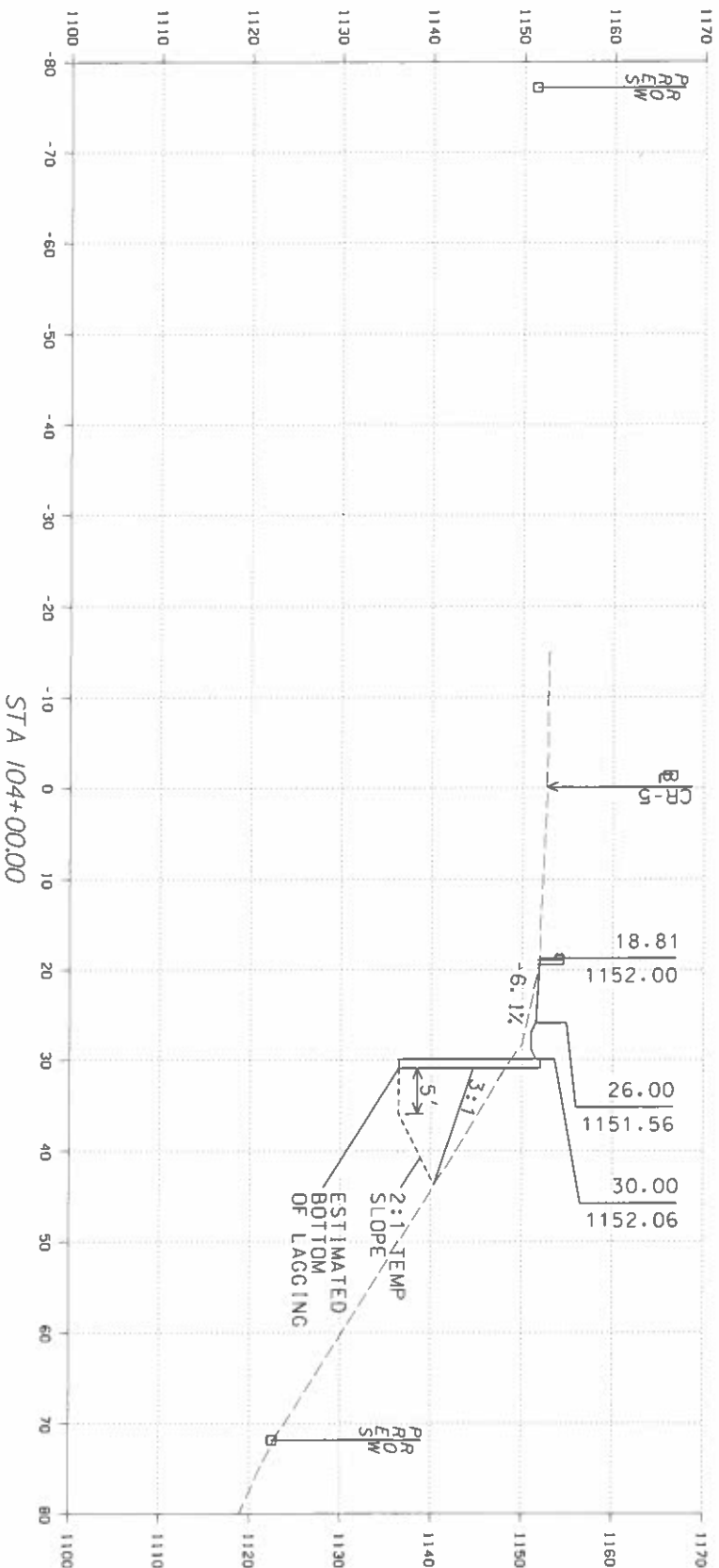
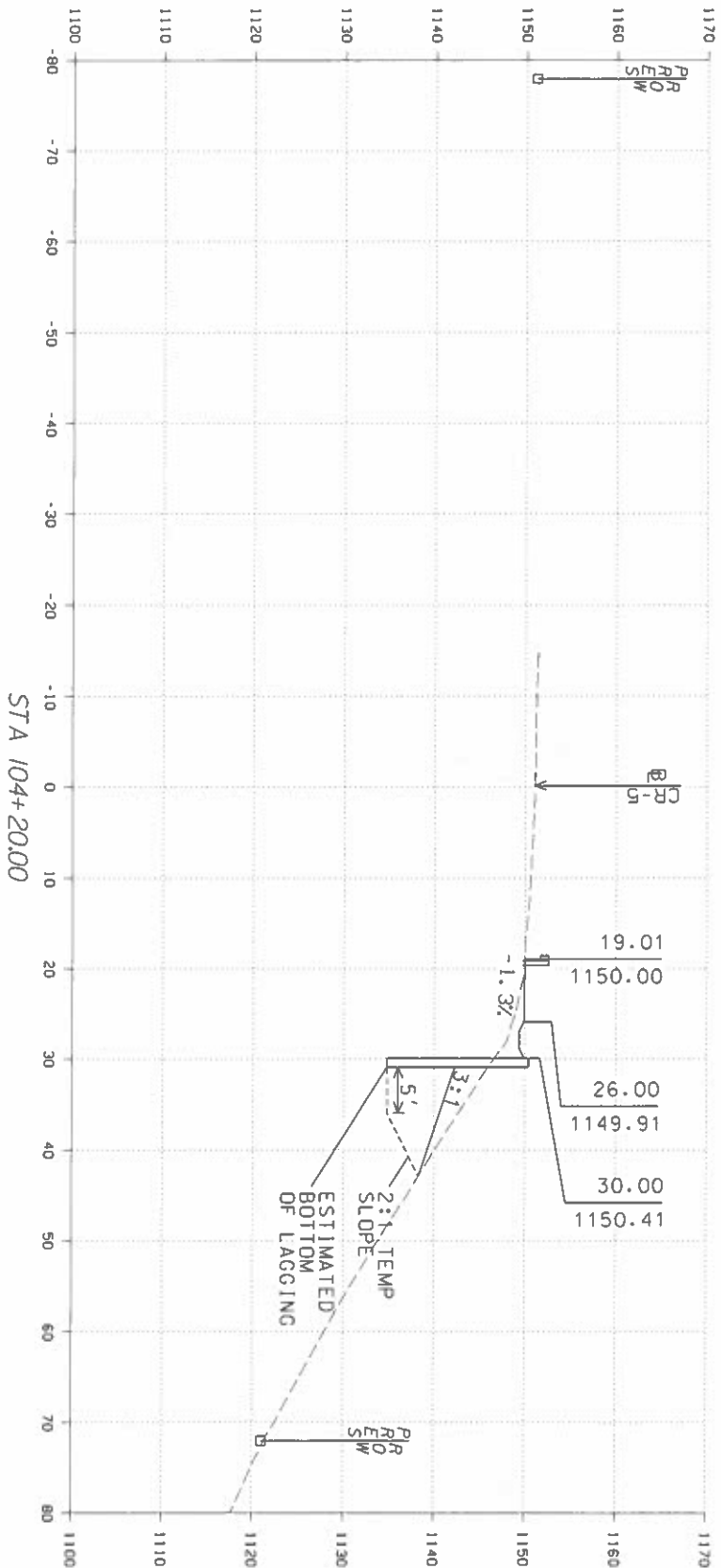


Sta 103+60.00 TO Sta 103+80.00

			PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION	10' HORIZ 0 10' SCALE (FEET)	SHEET TITLE	ROUTE
			PS&E		NORTH REGION		CROSS SECTIONS	CR-5

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	24

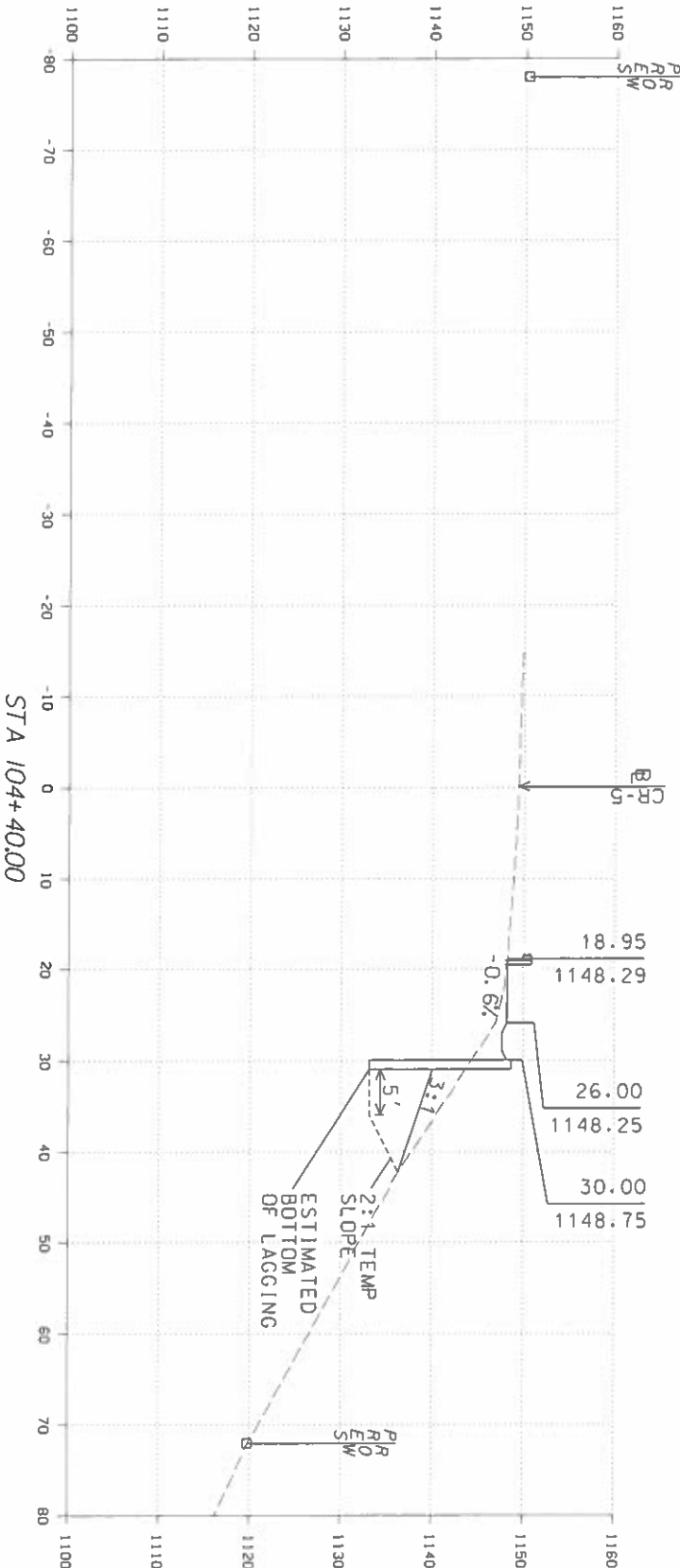
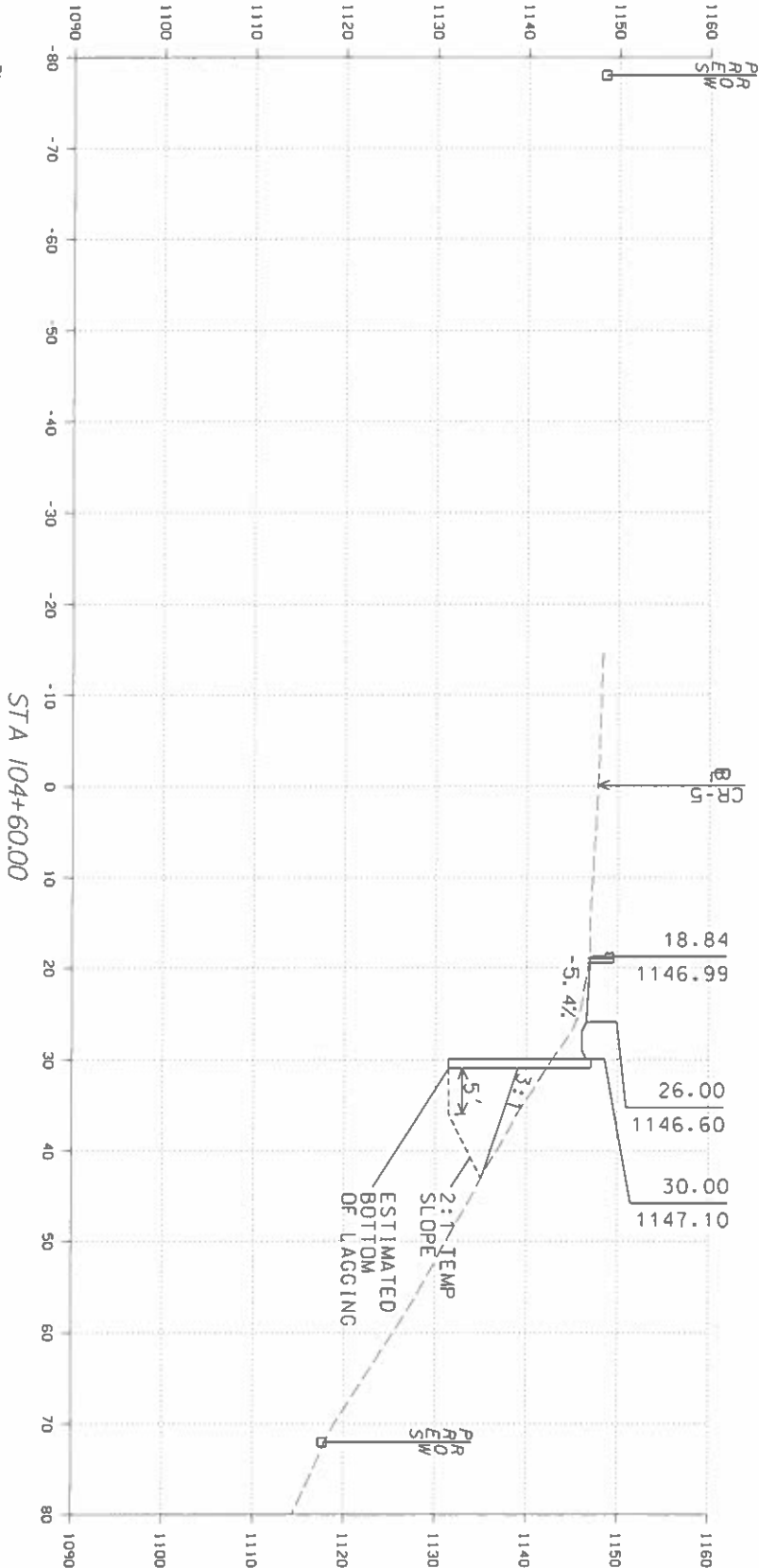


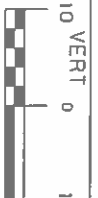
PLAN SUBMITTAL	PS&E	ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	10' HORIZ 0 10 SCALE 10 VERT 0 10 (FEET)	SHEET TITLE	ROUTE
				CROSS SECTIONS	CR-5

Sta 104+00.00 TO Sta 104+20.00

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
EMPR-9070 (949)	2022	25



			PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION	NORTH REGION	 HORIZ 0 10 SCALE (FEET)  VERT 0 10	SHEET TITLE	ROUTE
			P&E					CROSS SECTIONS	CR-5

Sta 104+40.00 TO Sta 104+60.00

BORING LOG SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	26



BORING LOG SHEET



Boring B-1

Engineering: Environmental Answers.

Page 1 of 2

Project Name: CR-5 Slope Distress Evaluation	
Project Location: Grant, Alabama	Hammer Type: Automatic
CDG Project Number: R912220413 Method: CME 550 w/ Hollow Stem Augers	
Date Drilled: 7/20/2020	Approx. Ground Elevation: +/- 1154 feet

Notes: 5 inches of asphalt present at ground surface. Piezometer installed to a depth of 32 feet. No groundwater encountered during drilling or on 8/11/2020.	☒ - Split Spoon Sample ☐ - Rock Core
--	---

Depth (ft.)	Approx. Elev. (ft.)	Graphic Scale	Material Description	Type	Blows/ft* (N-Value)	% (QD) (ft)	T	L	C	WC	Seal (%)	Spd (ft)	Remarks
			Medium dense, brown, silty SAND with gravel		9-7-5 (12)		NP	NP	NP	9	20.4		AASHTO=A-2-4 USCS=SM
	-1150.0		...loose, dark brown, no gravel		3-2-2 (4)					13			
			... very loose		1-1-1 (2)		15	12	3	12	44.1		AASHTO=A-4 USCS=SM
	-1145.0		...brown		1-1-2 (3)					13			
			...dense, with rock fragments		7-17-19 (36)		NP	NP	NP	9	29.0		AASHTO=A-2-4 USCS=SM
	-1140.0		Very dense, light tan, fine to medium SAND with interbedded brown, silty sand		7-34-21 (55)		NP	NP	NP	6	31.3		AASHTO=A-2-4 USCS=SM
			...with rock fragments		50/5"					5			
	-1135.0		...medium dense		16-17-8 (26)					3			
			Stiff, orange and tan CLAY with fine sand		4-4-5 (9)		33	20	13	16	92.9		AASHTO=A-6 USCS=CL Begin Run #1 Run Length = 42 inches
	-1130.0		SANDSTONE: Moderately weathered, close to medium fracture spacing, light tan and gray, fine-grained, very hard			94.3 (52.4)							

(Continued Next Page)



Boring B-1

Engineering: Environmental Answers.

Page 2 of 2

Project Name: CR-5 Slope Distress Evaluation	
Project Location: Grant, Alabama	Hammer Type: Automatic
CDG Project Number: R912220413 Method: CME 550 w/ Hollow Stem Augers	
Date Drilled: 7/20/2020	Approx. Ground Elevation: +/- 1154 feet

Notes: 5 inches of asphalt present at ground surface. Piezometer installed to a depth of 32 feet. No groundwater encountered during drilling or on 8/11/2020.	☒ - Split Spoon Sample ☐ - Rock Core
--	---

Depth (ft.)	Approx. Elev. (ft.)	Graphic Scale	Material Description	Type	Blows/ft* (N-Value)	% (QD) (ft)	T	L	C	WC	Seal (%)	Spd (ft)	Remarks
			SANDSTONE: Moderately weathered, close to medium fracture spacing, light tan and gray, fine-grained, very hard (Continued from previous page)			94.3 (52.4)							Begin Run #2 Run Length = 60 inches
	-1125.0					93.3 (70.0)							
			(Pottsville Formation)										
	-1120.0		Auger refusal encountered at 23.5 feet. Boring terminated at 32.0 feet.										
	-1115.0												
	-1110.0												
	-1105.0												

PLAN SUBMITTAL
FINAL PLANS



ALABAMA DEPARTMENT
OF TRANSPORTATION
NORTH REGION

NOT TO SCALE

FOR INFORMATION ONLY
SHEET TITLE BORING LOG
ROUTE CR-5

BORING LOG SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	26B



Boring B-2

Engineering, Environmental, Answers.

Page 1 of 1

Project Name: CR-5 Slope Distress Evaluation		Notes:	
Project Location: Grant, Alabama		Hammer Type: Automatic	
CDG Project Number: R912220413		Method: CME 550 w/ Hollow Stem Auger	
Date Drilled: 7/20/2020		Approx. Ground Elevation: +/- 1163 feet	

Depth (ft.)	Approx. Elev. (ft.)	Graphic Log	Material Description	Type	Blow/6" (N-Value)	Ref. % (RQD)	LL	PL	PI	MC	Lines (%)	mpd (g)	Remarks
			Dense, brown, silty fine SAND with rock fragments		26-21-16 (37)								
			... very dense, light tan and orange		11-30-29 (69)								Begin Run #1 Run Length = 57.6 inches
			SANDSTONE: Moderately weathered, very close fracture spacing, light tan, fine-grained, hard	(Residual)		55.6 (0.0)							Begin Run #2 Run Length = 60 inches
			... close fracture spacing										
			(Pottsville Formation)			80.0 (21.7)							
			Auger refusal encountered at 5.8 feet. Boring terminated at 13.6 feet.										Boring backfilled upon completion.

FOR INFORMATION ONLY

			PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE BORING LOG SHEET	ROUTE CR-5
			FINAL PLANS					

EARTHWORK SUMMARY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	27A

CN-2 NOTES: 148

EARTHWORK TABULATION BY ROADWAY					
ROADWAY	CUT	FILL	TOPSOIL ABOVE CUT	TOPSOIL BENEATH FILL	EXISTING PAVEMENT REMOVAL
CR-5	776.06 CY	637.78 CY	41.25 CY	27.25 CY	0 CY
TOTALS	777 CY	638 CY	42 CY	28 CY	0 CY

UNCLASSIFIED EXCAVATION:	TOPSOIL BENEATH FILL	=	28	CU	YD
	EXISTING PAVEMENT REMOVAL	=	0	CU	YD
	CUT	=	777	CU	YD
TOTAL UNCLASSIFIED EXCAVATION:		=	805	CU	YD
MUCK EXCAVATION:	MUCK ON CUT	=	0	CU	YD
	MUCK BENEATH FILL	=	0	CU	YD
TOTAL MUCK EXCAVATION:		=	0	CU	YD
TOPSOIL FROM STOCKPILES:	TOPSOIL ON CUT	=	42	CU	YD
	TOPSOIL BENEATH FILL	=	28	CU	YD
TOTAL TOPSOIL FROM STOCKPILES(USEABLE):		=	0	CU	YD
REQUIRED TOPSOIL:		=	58	CU	YD
REQUIRED TOPSOIL (FURNISHED BY CONTRACTOR):		=	58	CU	YD
MATERIAL AVAILABLE FOR CUT:	CUT	=	777	CU	YD
	LESS TOPSOIL ON CUT	=	42	CU	YD
TOTAL AVAILABLE CUT (20% SHRINKAGE):		=	588	CU	YD
REQUIRED FILL:	FILL	=	638	CU	YD
	TOPSOIL BENEATH FILL	=	28	CU	YD
TOTAL REQUIRED FILL:		=	666	CU	YD
BORROW(+)/WASTE(-) EXCAVATION:		=	98	CU	YD

				PLAN SUBMITTAL		ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE	ROUTE
				FINAL PLANS				EARTHWORK SUMMARY SHEET	CR-5

EARTHWORK SUMMARY SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERRR-9070(949)	2022	27

GN-2 NOTES: 148

UNCLASSIFIED EXCAVATION (210A-000):

=805CU YD

BORROW EXCAVATION (210D-001):

=98CU YD

TOPSOIL FROM STOCKPILES (650B-000):

=0CU YD

TOPSOIL (650A-000):

=58CU YD

					 ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION	NOT TO SCALE	SHEET TITLE		ROUTE
				PLAN SUBMITTAL				EARTHWORK SUMMARY SHEET	CR-5