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

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

Preliminary Project No MCP 48-81-20
Code No

Design Designation	
ADT ( )	N/A
ADT ( )	N/A
K	N/A
D	N/A
TDHV	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.

Existing Bridge (Culvert)

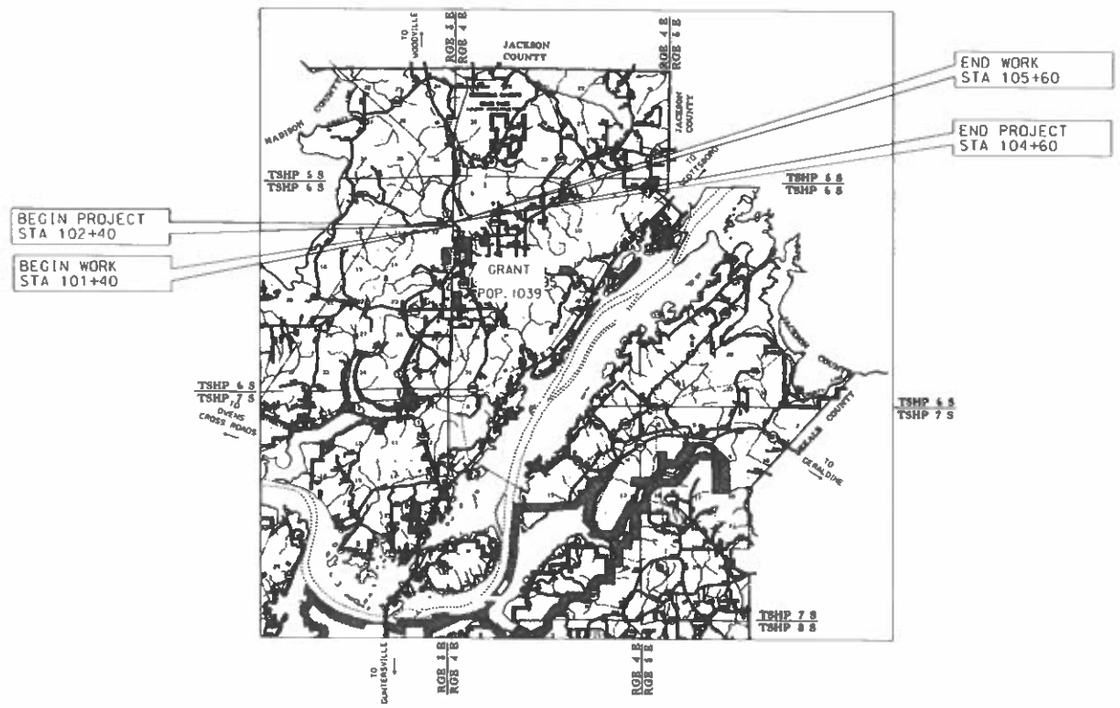
N/A

TOTAL EFFECT

Required Bridge (Culvert)
N/A

TOTAL EFFECT

Equations & Exceptions
N/A



VICINITY MAP
POPULATION FROM THE 2020 CENSUS
NOT TO SCALE

	FEET	MILES
Total Stationing of Project	220.00	
Equations & Exceptions	0.00	
Net Length of Project	220.00	0.041
Net Length of Bridges	0.00	0.000
Net Length of Roadways	220.00	0.041

FINAL PLANS
SEPTEMBER 14, 2022

PREPARED BY:

NEEL-SCHAFFER
Solutions you can build upon

ALABAMA LICENSED No. 13016 PROFESSIONAL ENGINEER ROBERT E. PORTERA 9/14/22

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

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INDEX TO SHEETS

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

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

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INDEX TO STANDARD AND SPECIAL DRAWINGS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-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 NO	SPECIAL DRAWING NO	DESCRIPTION
61404	D-614	DETAILS OF PAVED DITCHES AND FLUMES
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	GR-630-20 (SHEET 1 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (SOFTSTOP)
63051	GR-630-20 (SHEET 2 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MSKT)
63052	GR-630-20 (SHEET 3 OF 3)	DETAILS OF GUARDRAIL END ANCHOR - TYPE 20 SERIES (MASH) (TL-3) (MAX-TENSION)
65401	SS-654	SOD TERRACE OUTLETS AND SOD FLUMES
65901	ESC-509	DETAILS OF ROLLED AND HYDRAULIC EROSION CONTROL PRODUCT INSTALLATION
66501	ECS-100-1	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	ECS-100-2	BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	ESC-200-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
66506	ECS-200-2	DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	ECS-200-3	DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	ECS-200-4	DETAILS OF SILT FENCE INSTALLATION
66509	ECS-200-5	DETAILS OF SEDIMENT RETENTION BARRIER
66512	ECS-300-1	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
66513	ECS-300-2	DETAILS OF HAY BALE DITCH CHECKS
66514	ECS-300-3	DETAILS OF SANDBAG DITCH CHECK
66515	ECS-300-4	DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66516	ECS-300-5	DETAILS OF SILT DIKE DITCH CHECKS
66517	ESC-300-6	DETAILS OF ROCK DITCH CHECKS
66518	ESC-300-7	DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION
66519	ESC-300-8	DETAILS OF SILT FENCE DITCH CHECKS
66522	ESC-400-1	INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	ESC-400-2	INLET PROTECTION DETAILS OF COARSE AGGREGATE ON GRADES AND SAGS
66524	ESC-400-3	INLET PROTECTION DETAILS OF WATTLES
66525	ESC-400-4	INLET PROTECTION DETAILS OF SILT FENCE
66526	ESC-400-5	INLET PROTECTION DETAILS OF SAND BAGS
66529	ESC-501	FLOATING BASIN BOOM
66532	ESC-502	STABILIZED CONSTRUCTION ENTRANCE
66535	ESC-503	TEMPORARY DEWATERING STRUCTURES
66538	ESC-504	TEMPORARY CULVERT STREAM CROSSING
66541	ESC-505	TEMPORARY STREAM DIVERSION
66544	ESC-506-1	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66545	ESC-506-2	SUSPENDED PIPE DIVERSION (UPSTREAM)
66548	ESC-507	TEMPORARY SEDIMENTATION BASIN
68001	GN-2 NOTES	STANDARD DESIGN NOTES FOR PLAN ASSEMBLIES
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
71060	SHS-1	STANDARD HIGHWAY SIGNS
71069	SHS-10	STANDARD HIGHWAY SIGNS
71090	SHS-26	STANDARD HIGHWAY SIGNS
71093	SHS-29	STANDARD HIGHWAY SIGNS
71094	SHS-30	STANDARD HIGHWAY SIGNS
74001	B-107-1	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

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

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PLANS LEGEND SHEET

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

ROADWAY

55+00

CENTER LINE
STATE BOUNDARY LINE
COUNTY BOUNDARY LINE
CITY OR TOWN LIMITS
SECTION LINES — SEC 22 / SEC 23
QUARTER-SECTION LINES
RANGE-TOWNSHIP LINES — R-17-E / R-18-E
PROPERTY LINES — PL
PRESENT ROW
ACQUIRED ROW
DENIED ACCESS
REQUIRED FENCE
CONSTRUCTION LIMITS — CONST LIM
CLEARING LIMITS
RAILROAD
EXISTING WOOD FENCE
EXISTING BARBED WIRE FENCE
EXISTING CHAIN LINK FENCE
EXISTING ELECTRIC FENCE
EXISTING HOG WIRE FENCE
TREES
WOODS LINE
MARSH
EXISTING DITCH
REQUIRED DITCH
GRAVEL ROAD
EXISTING GUARDRAIL
REQUIRED GUARDRAIL
SATELLITE DISH
TRAFFIC LIGHT
BENCH MARK
SURVEY POINT
ENVIRONMENTAL CLEARED LIMITS — ENV

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) — FL=410.25
BOX CULVERT (ELEVATION VIEW) — FL=420.55

DRAINAGE STRUCTURE INDEX NUMBERS

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

8/88 — REQD 18" RCP — 9/88

ROADWAY PIPE EXAMPLE

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

SD/4 — REQD 18"

SIDE DRAIN PIPE EXAMPLE

DIRECTION OF FLOW

UTILITIES

	EXISTING	PROPOSED
POWER POLE		
LIGHT POLE		
TELEPHONE POLE		
ANCHOR		
STUB (POWER)		
STUB (TELEPHONE)		
ELECTRIC DUCT	EL 4MTD	EL 4MTD
BURIED ELECTRIC CABLE	BE	BE
OVERHEAD ELECTRIC CABLE	OE	OE
ELECTRIC MANHOLE	E	E
TOWER		
TELEPHONE PEDESTAL	T	T
TELEPHONE DUCT	TP 4MTD	TP 4MTD
BURIED TELEPHONE CABLE	BTC	BTC
OVERHEAD TELEPHONE CABLE	OTC	OTC
TELEPHONE MANHOLE	TM	TM
SANITARY SEWER LINE	S	SS
SANITARY SEWER MAIN	S	SS
WATER LINE	W	W
WATER MAIN	W	W4
WATER VALVE	WV	
FIRE HYDRANT		
WATER METER		
GAS LINE	G	G
GAS MAIN	GM	GM
GAS VALVE	G	G
GAS REGULATOR	G	G
BURIED CABLE TELEVISION	BTV	BTV
OVERHEAD CABLE TELEVISION	OTV	OTV
UTILITY POLE		

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

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

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PLANS LEGEND ABBREVIATIONS SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	10

ABBREVIATIONS

ABANDON(ED)	ABAN
ABUTMENT	ABUT
ACCELERATION	ACEL
ACQUIRED	ACQD
ACRE	AC
AHEAD	AH
ALABAMA	AL
ALABAMA DEPARTMENT OF TRANSPORTATION	ALDOT
ALTERNATE	ALT
APPROXIMATE(LY)	APP
AREA	A
ASPHALT	ASP
AVERAGE ANNUAL DAILY TRAFFIC	AADT
BACK	BK
BACK OF GUARDRAIL	BK-GR
BACKSIGHT	BS
BARBED WIRE	B/W
BARREL	BBL
BARRIER	BAR
BASE LINE	BL or @
BEARING	BRNG
BEGIN	BEG
BEGINNING OF PROJECT	BOP
BETWEEN	BTW
BILLBOARD	BBD
BENCH MARK	BM
BITUMINOUS	BIT
BITUMINOUS COATED CORRUGATED METAL PIPE	BCCMP
BOUNDARY	BDY
BRIDGE	BRG
BRIDGE END SLAB	BES
CAPACITY	CAPY
CAST IRON	CI
CAST IN PLACE	CIP
CATCH BASIN	CB
CENTER LINE	℄
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 or ℄
FORESIGHT OR FRONTSIGHT	FST
FRACTIONAL	FRAC
FULL SUPERELEVATION	FS
GALLON	GAL
GASOLINE PUMPS	GPP
GARAGE	GAR
GAUGE	GA
GIRDER	GDR
GOVERNMENT	GOV
GRASS	GRS
GRADE CHANGE	GC
GRADE POINT	GP
GRADE ROD	GRD
GRAVEL	GRV
GUARDRAIL	GR
HEADWALL	HDWL
HECTARE	HA
HIGH WATER MARK	HWM
HEIGHT	HT
HEIGHT OF INSTRUMENT	HI
HIGH WATER	HW
HIGHWAY	HWY
HOGWIRE	H/W
HORIZONTAL	HOR
HUB & TACK	H&T
HYDRANT	HYD
IMPACT ATTENUATOR	IA
IN ACCORDANCE WITH	I/A/W
IN PLACE	IN-PL
INCHES	IN
INCLUDING	INCL
INSTRUMENT	INST
ISLAND	ISL
JOINT	JT
JUNCTION	JCT
JUNCTION BOX	JB
KILOMETER	KM
KILOMETER POST	KMP
KILOMETERS PER HOUR	KPH
LANE	LN
LATITUDE	LAT
LEFT	LT
LEFT AHEAD	LA
LEFT BACK	LB
LENGTH OF CURVE	L
LINK	LK
LIMIT	LIM
LINEAR	LIN
LINEAR FEET	LIN FT
LONGITUDE	LONG
MANHOLE	MH
MARKER	MRK
MAXIMUM	MAX
MEAN HIGH WATER	MHW
MEAN LOW WATER	MLW
MEASUREMENT	MEAS
MEDIAN	MED
METER	M
MERIDIAN	MER
MILE POST	MP
MILES	MI
MILES PER HOUR	MPH
MILLIMETER	MM
MINIMUM	MIN
MONUMENT	MON
MULTIPLE	MULT
NORMAL	NORM
NORMAL CROWN	NC
NORMAL CROWN SLOPE	NCS
NORTH	N
NORTH BOUND ROADWAY	NBR
NORTHING-EASTING	NE
NOT IN CONTRACT	NIC
NOT TO SCALE	NTS
NUMBER	NO
OBSERVATION	OBS
ON CENTER	OC
ORIGINAL	ORIG
OVERHEAD	OHD
OVERHAUL	OH
OUT TO OUT	OO
PAINT	PNT
PAVED	PVD
PAVED SHOULDER	PVD SH
PAVEMENT	PVMT
PIPE END TREATMENT	PET
PIPE ENTERING CULVERT	PEC
PLATE GIRDER	PL GDR
POINT OF BEGINNING	POB
POINT OF COMPOUND CURVE	PCC
POINT OF CURVATURE	PC
POINT OF REVERSE CURVATURE	PRC
POINT OF ENDING	POE
POINT OF INTERSECTION	PI
POINT OF TANGENCY	PT
POINT ON CURVE	POC
POUND	LB
PRESENT	PRES
PROFILE GRADE	PG
PROJECT	PROJ
PROJECT CONTROL	PJC
PROPERTY LINE	P
PROPOSED	PROP
QUADRUPLE	QUAD
QUADRUPLE BARREL CULVERT	CQ
QUANTITY	QUANT
RADIUS	R
RAILROAD	RR
RANGE	RGE
RECORD	REC
REDUCTION	RED
REFERENCE	REF
REFERENCE POINT	RP
REFERENCE POINT FOR POINT ON TANGENT	RPPOT
REINFORCED	REINF
REINFORCED CONCRETE	RC
REINFORCED CONCRETE DECK GIRDER	RCDG
REINFORCED CONCRETE PIPE	RCP
REINFORCING STEEL	REINF STL
RELOCATE	RELC
REMOVE	REM
REQUIRED	REQD
RETAINING	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	ROWY
SECTION	SEC
SERVICE ROAD	SER RD
SHEET	SHT
SHEET PILING	SHT PILE
SHOULDER	SHLD
SIDE DRAIN	SD
SIDEWALK	SW
SIGHT DISTANCE	S DIST
SINGLE BARREL CULVERT	CS
SKEW	SK
SLOPE STAKE	SST
SOLID SODDING	SOL SOD
SOUTH	S
SOUTH BOUND ROADWAY	SBR
SPECIAL	SP
SPECIAL DITCH	SP-DT
SPECIAL DITCH LEFT	SDL
SPECIAL DITCH MEDIAN	SDM
SPECIAL DITCH RIGHT	SDR
SPECIAL DRAWING	SP-DWG
SPECIFICATIONS	SPEC
SPRING LINE	SL
SPIRAL TO CURVE	SC
SPIRAL POINT OF INTERSECTION	SPI
SPIRAL TO TANGENT	ST
SQUARE	SQ
SQUARE FEET	FT2 or SQ FT
SQUARE METERS	M2
SQUARE YARD	YD2 or SQ YD
STAKE	STK
STANDARD	STD
STANDARD DRAWING	STD-DWG
STANDARD STRENGTH	STD STR
STATION	STA
STATION & ELEVATION	SVE
STATION & OFFSET	SO
STOPPING SIGHT DISTANCE	SSD
STREET	ST
STRUCTURE	STR
SUB-GRADE	SG
SUPERELEVATION	SE or e
SURVEY	SRV
SYMMETRICAL	SYM
TANGENT	TAN
TANGENT LENGTH (CURVE DATA)	T
TANGENT TO SPIRAL	TS
TEMPORARY	TEMP
TEMPORARY BENCH MARK	TBM
THROAT	TH
TOWNSHIP	TSHP
TRIPLE	TR
TRIPLE BARREL CULVERT	CT
TURN OUT	TO
TURNING POINT	TP
TYPE	TY
UNIT	U
UNPAVED	UNPVD
VALLEY GUTTER	VG
VARIABLE	VAR
VERTICAL	VERT
VERTICAL CURVE	VC
VERTICAL POINT OF CURVATURE	PVC
VERTICAL POINT OF INTERSECTION	PVI
VERTICAL POINT OF TANGENCY	PVT
VITRIFIED	VIT
VOLUME	VOL
WEST	W
WEST BOUND ROADWAY	WBR
WING WALL	WW
WITNESS CORNER	WC
WOOD	WD
WORKING POINT	WP
WOVEN WIRE	W/W
YARD	YD

STRUCTURES

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

UTILITIES

ANCHOR WIRE	AW
BURIED ELECTRIC	BE
BURIED FIBER OPTIC	BFO
BURIED TELEPHONE CABLE	BTC
BURIED CABLE TELEVISION	BTV
CAST IRON	CI
CIRCUIT	CKT
DUCTILE IRON	DUC IRON
EASEMENT	ESMT
FIBER OPTIC	FO
FIRE HYDRANT	FH
FORCED MAIN (SANITARY SEWER)	FM
GAS MAIN	GM
GAS METER	GMET
GAS VALVE	GV
GUY WIRE	GUY
HIGH PRESSURE	HP
KILOVOLT AMPS	KVA
MANHOLE	MH
MERCURY VAPOR LIGHT	MVL
OVERHEAD FIBER OPTIC	OFO
OVERHEAD TELEPHONE CABLE	OTC
OVERHEAD ELECTRIC CABLE	OE
OVERHEAD CABLE TELEVISION	OTV
PAIR	PR
PEDESTAL	PED
POLY-VINYL CHLORIDE PIPE	PVC
POWER POLE	PP
SANITARY SEWER	SS
SERVICE	SERV
STEEL	STL
STORM DRAIN	STM
STORM SEWER	STMS
SWITCH	SW
TELEPHONE	TEL
TELEPHONE MANHOLE	TMH
TRANSFORMER	TRAN
TRANSMISSION LINE	TR LN
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
PLAT BOOK	PB
MAP BOOK	MB
PAGE	PG
OFFICIAL RECORD	OR
CAPPED (TYPICAL PLASTIC SURVEYORS CAP)	CAP
ALUMINUM CAP	ALUM CAP
BRASS CAP	BR CAP
IRON PIPE	IP
CRIMPED	CR
REINFORCING STEEL	REBAR
CONCRETE MONUMENT	CM
DAMAGED	DAM
CHISELED X	CH X
HUB AND TACK	H&T
NAIL AND BOTTLE TOP	N&BT
PARKER-KALON (MASONARY NAILS)	PK NAIL
FENCE POST	F-POST
RAILROAD IRON	RR IRON
COTTON SPINDLE	COT SP
ANGLE IRON	ANGLE IRON

		PLAN SUBMITTAL	
		FINAL PLANS	

ALABAMA DEPARTMENT OF TRANSPORTATION
NORTH REGION

NOT TO SCALE

SHEET TITLE	ROUTE
PLANS LEGEND ABBREVIATION SHEET	CR-5

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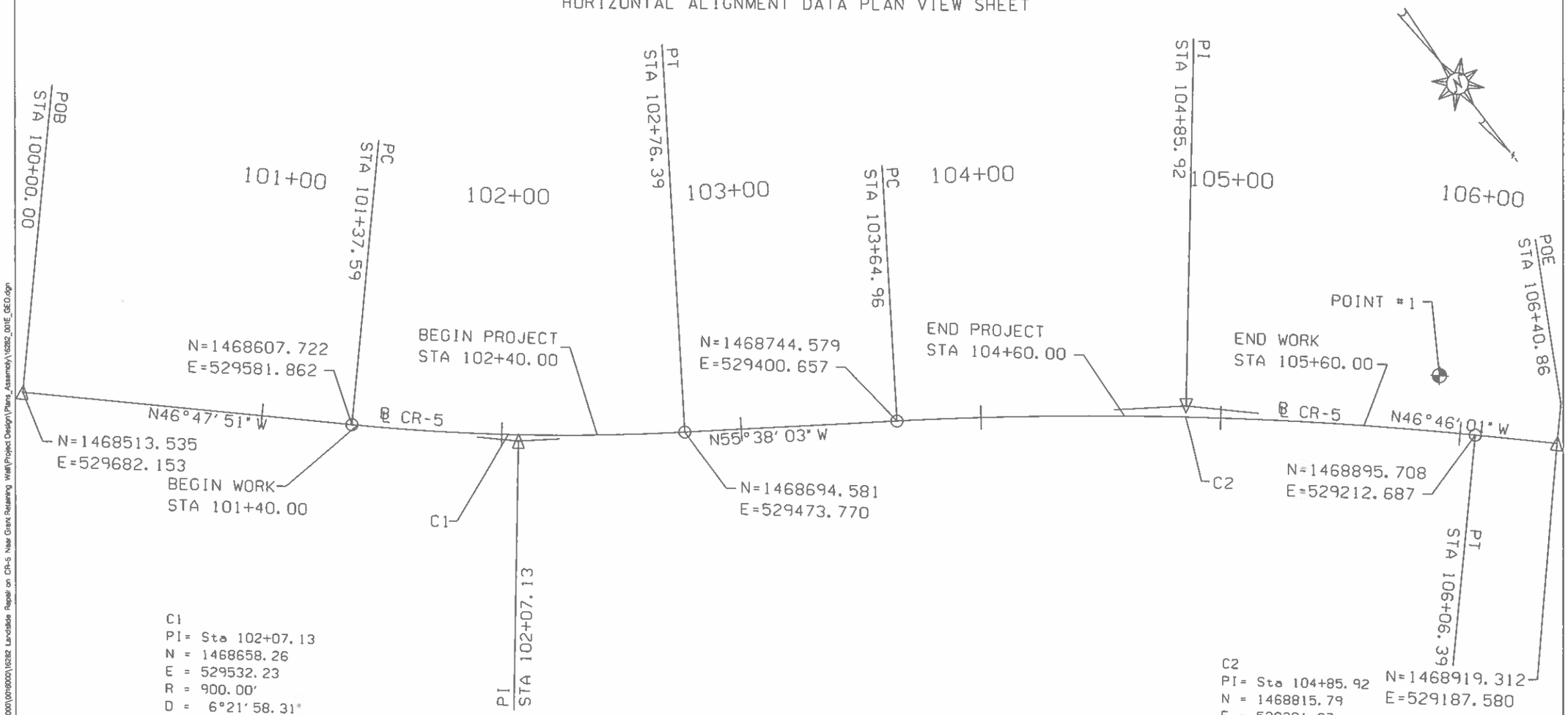
PRIMARY SURVEY CONTROL AND GEOMETRIC LAYOUT SHEET

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

HORIZONTAL ALIGNMENT DATA PLAN VIEW SHEET



C1
PI= Sta 102+07.13
N = 1468658.26
E = 529532.23
R = 900.00'
D = 6°21'58.31"
L=138.80'
Delta= 8°50'11.58" LT
T = 69.54'
Ex = 2.68'
V= 45 MPH

C2
PI= Sta 104+85.92
N = 1468815.79
E = 529301.87
R = 1560.00'
D = 3°40'22.10"
L=241.43'
Delta= 8°52'02.28" RT
T = 120.96'
Ex = 4.68'
V= 45 MPH

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.

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

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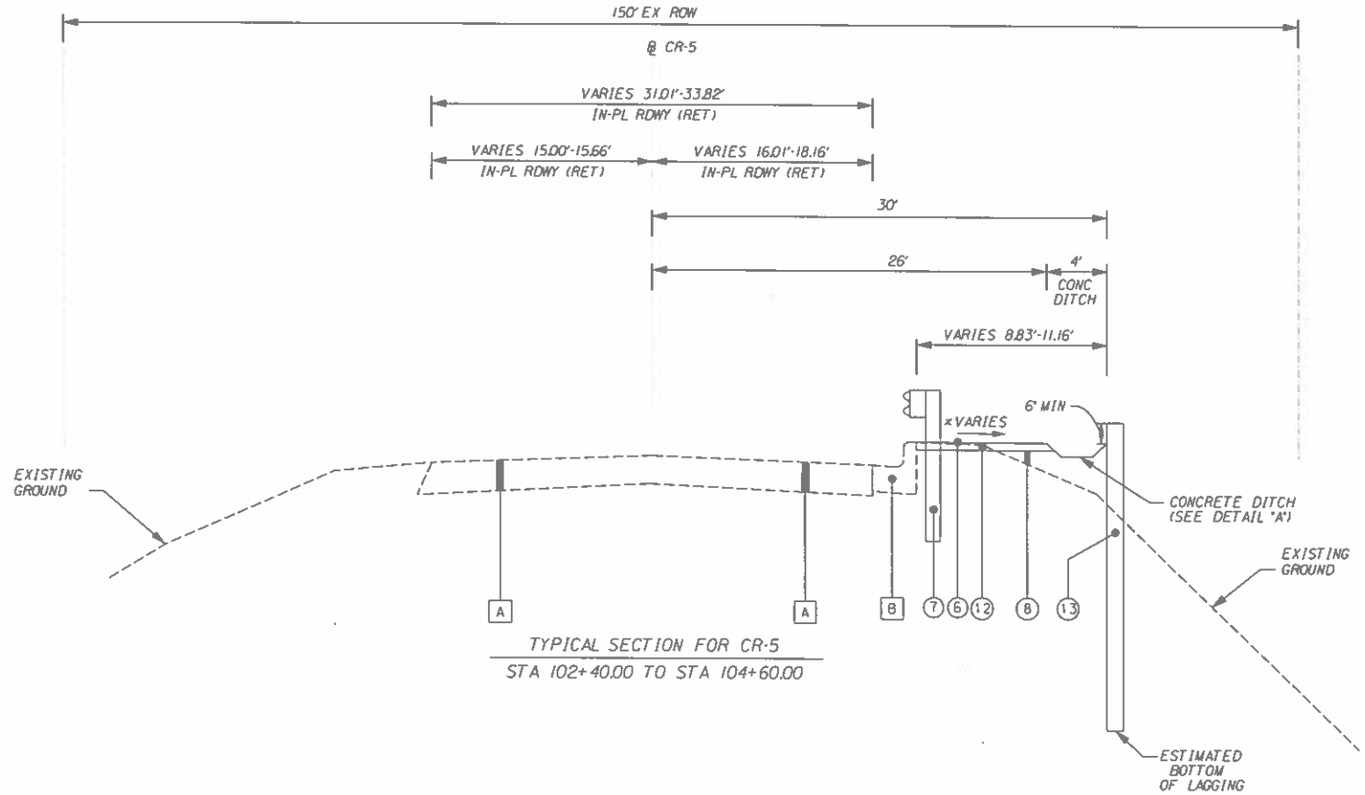
TYPICAL SECTION SHEET

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

PROJECT NOTES
202



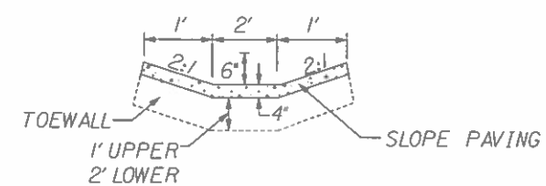
TYPICAL SECTION FOR CR-5
STA 102+40.00 TO STA 104+60.00

*SEE CROSS SECTIONS

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 AND/OR BORROW EXCAVATION (LOOSE TRUCKBED MEASUREMENT)
12	650A-000	TOPSOIL (4" THICK)
13	572B-030	SOLDIER PILE RETAINING WALL, PERMANENT GROUND ANCHORS

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 NORTH REGION	NOT TO SCALE	SHEET TITLE	ROUTE
			FINAL PLANS			TYPICAL SECTION SHEET	CR-5

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PROJECT NOTE SHEET

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

NOTE NO	NOTES
200	OMIT
201	OMIT
202	COUNTY FORCES SHALL BE RESPONSIBLE FOR ANY ROADWAY PAVEMENT REPAIR. CONCRETE CURB & GUTTER IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
300	OMIT
301	OMIT
302	OMIT
400	ALL 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.
401	OMIT
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.
801	OMIT
900	LESS THAN ONE(1) ACRE OF DISTURBANCE. NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT.

GENERAL TRAFFIC CONTROL PLAN NOTES

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

(OENOTES NOTES THAT APPLY TO THIS PROJECT

(700) THE TRAFFIC CONTROL PLAN IS OEVELOPED IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PART 6, 2009 EDITION. THE TRAFFIC CONTROL DEVICES INDICATED REPRESENT CONDITIONS KNOWN OURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS WARRANT ADDITIONAL TRAFFIC CONTROL OEVICES, THEY SHALL BE INSTALLED IN CONFORMANCE WITH THE M.U.T.C.O. 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 DELINEATEO BY REFLECTORIZED DRUMS. THIS INCLUDES STORAGE OF TRAFFIC CONTROL OEVICES SUCH AS TRAILER MOUNTED OR OTHER TEMPORARY SIGNS, BARRICADES, DRUMS, ETC., WHICH ARE NOT IN USE DURING NON-WORKING HOURS. TO BE FURNISHEO BY THE CONTRACTOR WITHOUT COST TO THE ALDOT. (SEE SKETCH ON SHEET 11)

(703) WHERE THE LOCATION OF A REQUIREO SIGN FALLS IN A DRIVEWAY, SIDEWALK, BRIDGE, ETC. OR WHERE THE VISIBILITY OF A SIGN IS LIMITEO 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 STOCKPILEO AS DIRECTED BY THE ENGINEER AND SHALL BECOME PROPERTY OF THE ALDOT. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 7408.

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 7010 OR AS A SUBSIDIARY OBLIGATION OF ITEM 7010.

706 OMITTED

(707) THE CONTRACTOR SHALL PLACE ALL ADVANCE WARNING SIGNS BEFORE PROCEEDING WITH HIS WORK. SIGNS SHALL BE PLACEO 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 MOUNTEO ON TEMPORARY SUPPORTS SHALL BE MOUNTEO 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 BASEO ON ROADWAY ALIGNMENT AND CONDITIONS AT THE TIME OF THE LANE CLOSURE.

(712) FLAGGERS ARE TO BE USEO WHEN DIRECTED BY THE ENGINEER. SIGNS SHALL BE PLACEO AT THE APPROPRIATE TIME, AND SHALL BE COVEREO 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 USEO 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 TRAVELEO WAY DURING WORKING HOURS, AS NOT TO CREATE A HAZARD.

(716) THE TRAFFIC CONTROL PLAN IS NOT ALL INCLUSIVE. THE TCP PROVIDES SEVERAL DETAILEO DRAWINGS INDICATING THE TRAFFIC CONTROL NECESSARY FOR THE DIFFERENT CONSTRUCTION ACTIVITIES ANTICIPATEO FOR THIS PROJECT. THE CONTRACTOR SHALL SELECT THE DETAILED DRAWING THAT BEST FITS THE ACTIVITY TO BE PERFORMED.

717 OMITTEO

718 REQUIRED TEMPORARY ROUTE MARKER ASSEMBLIES THAT ARE TO BE LOCATED IN THE VICINITY OF EXISTING ROUTE MARKERS SHOULO BE PLACED ALONG SIDE OF THOSE ALREADY IN PLACE. SOME EXISTING ROUTE MARKERS MAY HAVE TO BE COVEREO OR REMOVEO, AS DIRECTEO BY THE ENGINEER. COST SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 7408.

719 RA-1 (REBUILO ALABAMA) SIGNS SHALL BE REQUIREO FOR EVERY PROJECT. RA-1 SIGNS SHALL BE PLACEO AT THE BEGINNING OF THE WORK LIMITS OF THE SUBJECT PROJECT ROUTE. RA-1 SIGNS SHALL BE POSTEO 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 COVEREO OR REMOVED AS DIRECTEO 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 REMOVEO AT THE COMPLETION OF THE DAY'S OPERATION.

726 W8 SIGNS INTENDEO 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 SPECIFIEO 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 ALLOWEO DURING NON-WORKING HOURS WITHOUT ADDITIONAL TRAFFIC CONTROL. SPECIAL CONDITIONS MAY EXIST WHERE PROTECTION SHOULO BE PROVIDED WHERE THE DIFFERENCE IS 2 INCHES OR LESS.

(729) SIGNS ON TEMPORARY SUPPORTS ARE TO BE REMOVED OR COVEREO WHEN NO WORK IS BEING PERFORMED OR AT THE COMPLETION OF THE DAY'S OPERATION.

730 OMITTED

731 OMITTEO

(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 SPACEO AT 50 FOOT INTERVALS.

(734) CHANNELIZING DRUMS PLACED IN THE EXCAVATED AREA AHEAD OF PAVING OPERATIONS, SHOULO BE SPACEO 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 SHOULO BE PLACEO ON 25 FOOT INTERVALS THROUGHOUT ALL TAPERS.

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

738 OMITTEO

739 OMITTEO

740 OMITTEO

741 FOR DIVIDEO ROADWAYS, THE REQUIREO ADVANCE WARNING SIGNS SHALL BE POSTEO 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 OMITTEO

(744) THE TRANSITION TAPER LENGTH (L) IS SHOWN IN TABLE 6C-4, AND THE BUFFER LENGTH IS SHOWN IN TABLE 6C-2 OF THE MUTCO, PART 6, 2009 EDITION.

745 OMITTEO

746 UNEVEN LANES SIGNS SHALL BE COVEREO OR REMOVEO WHEN NO UNEVEN PAVEMENT CONDITIONS EXIST.

747 MOVING OPERATIONS SHALL BE CONFINEO 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 POSTEO 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 REQUIREO 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 CANNOT BE REPLACEO 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.O.T. TIMES OR SPECIAL EVENTS UNLESS OTHERWISE DIRECTED BY THE ENGINEER, MARSHALL COUNTY OR ALDOT.

NOT TO SCALE

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MONTGOMERY, AL 36110-2060

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REVISIONS:
1 Modified Note 748 for the addition of the R15-3b sign on 9-28-2021 by D J W
2 Alighed text for Note 746 on 12-8-2021 by D J W

Bottom Bld Page D J W
DRAWN BY
DATE DRAWN
REVISED DATE 12-8-2021

DESIGN BUREAU SPECIAL DRAWING
GENERAL TRAFFIC CONTROL PLAN NOTES

–SPECIFICATIONS–
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO: SPECIAL PROJECT DETAIL
INDEX NO: 2000

SUMMARY OF QUANTITIES SHEET

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

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	
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	STEEL BEAM GUARDRAIL, CLASS A, TYPE 2	
1	1	630C-050	EACH	GUARDRAIL END ANCHOR, TYPE 20 SERIES	
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	
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	400
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 III	
50	50	740M-001	EACH	BALLAST FOR CONE	

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SUMMARY OF QUANTITIES SHEET

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

REQD 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		

REQD SOLID SODDING (BERMUDA) 654A-001

STA	TO STA	SQ YD	SP AND STD DWG	REMARKS
102+40	104+60	1320	G	
TOTAL		1320		

REQD RETAINING WALL(SOLDIER PILE) 572B-030

STA	TO STA	SQ FT	SP AND STD DWG	REMARKS
102+40	104+60	3410		
TOTAL		3410		

REQD 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		

REQD RIPRAP AND FILTER BLANKET

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

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
F	ESC-200-3
G	ESC-200-4
H	ESC-200-5
I	ESC-300-1
J	ESC-300-2
K	ESC-300-3
L	ESC-300-4
M	ESC-300-5
N	ESC-300-6
O	ESC-300-7
P	ESC-300-8
Q	ESC-400-1
R	ESC-400-2
S	ESC-400-3
T	ESC-400-4
U	ESC-400-5
V	ESC-501
W	ESC-502
X	ESC-503
Y	ESC-504
Z	ESC-505
AA	ESC-506-1
BB	ESC-506-2
CC	ESC-507

REQD 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	REMARKS
			630A-001	630C-050		
			LIN FT	EACH		
101+40.00	104+46.25	RT	306.25	1	A, B	
TOTAL			307	1		

REQD 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	665J-002	665Q-001	665N-000		
CR-5	SQ YD	ACRE	TON	EACH	LIN FT	LIN FT	TON		
	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	330	20		

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

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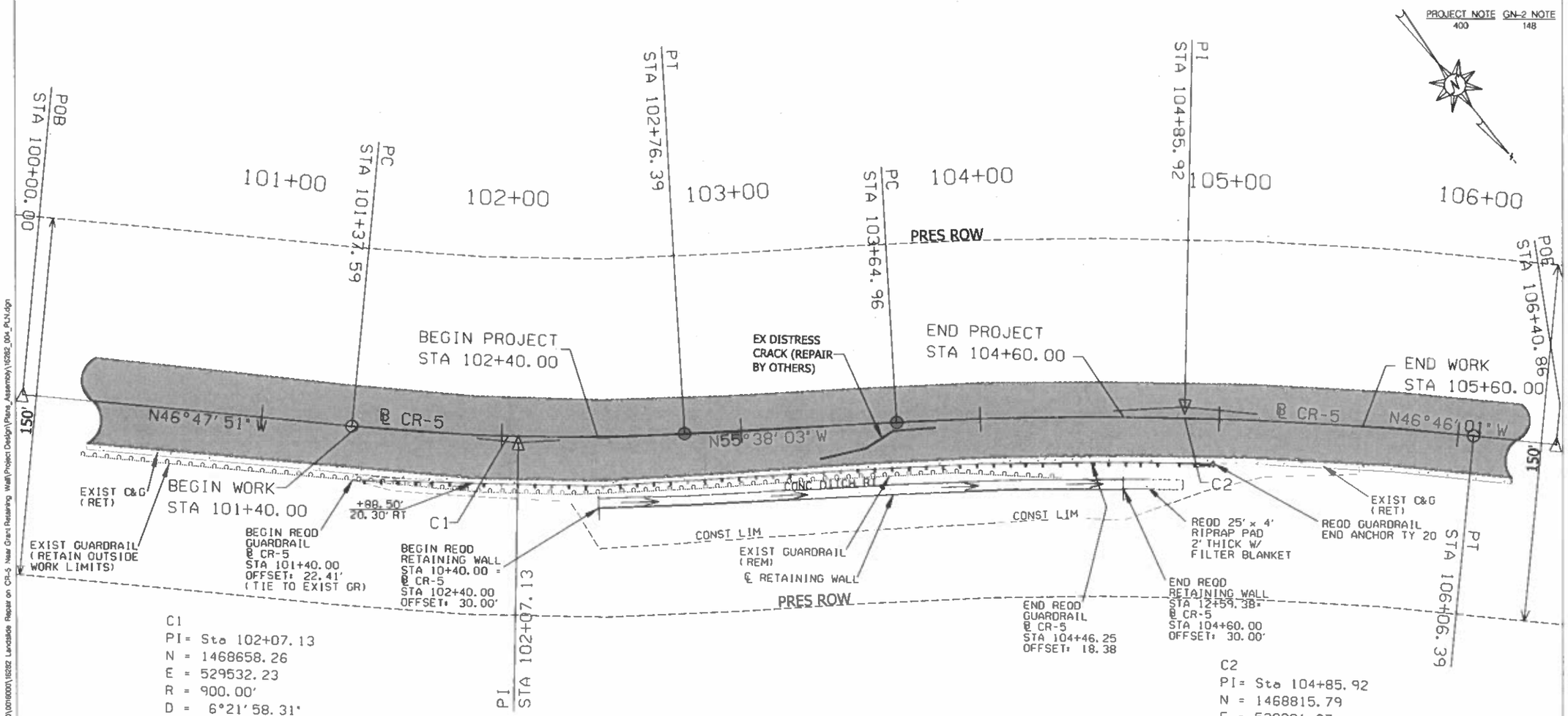
PLAN SHEET

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

PROJECT NOTE 400 | GN-2 NOTE 148



C1
PI= Sta 102+07.13
N = 1468658.26
E = 529532.23
R = 900.00'
D = 6°21'58.31"
L=138.80'
Delta= 8°50'11.58" LT
T = 69.54'
Ex = 2.68'
V= 45 MPH

C2
PI= Sta 104+85.92
N = 1468815.79
E = 529301.87
R = 1560.00'
D = 3°40'22.10"
L=241.43'
Delta= 8°52'02.28" RT
T = 120.96'
Ex = 4.68'
V= 45 MPH

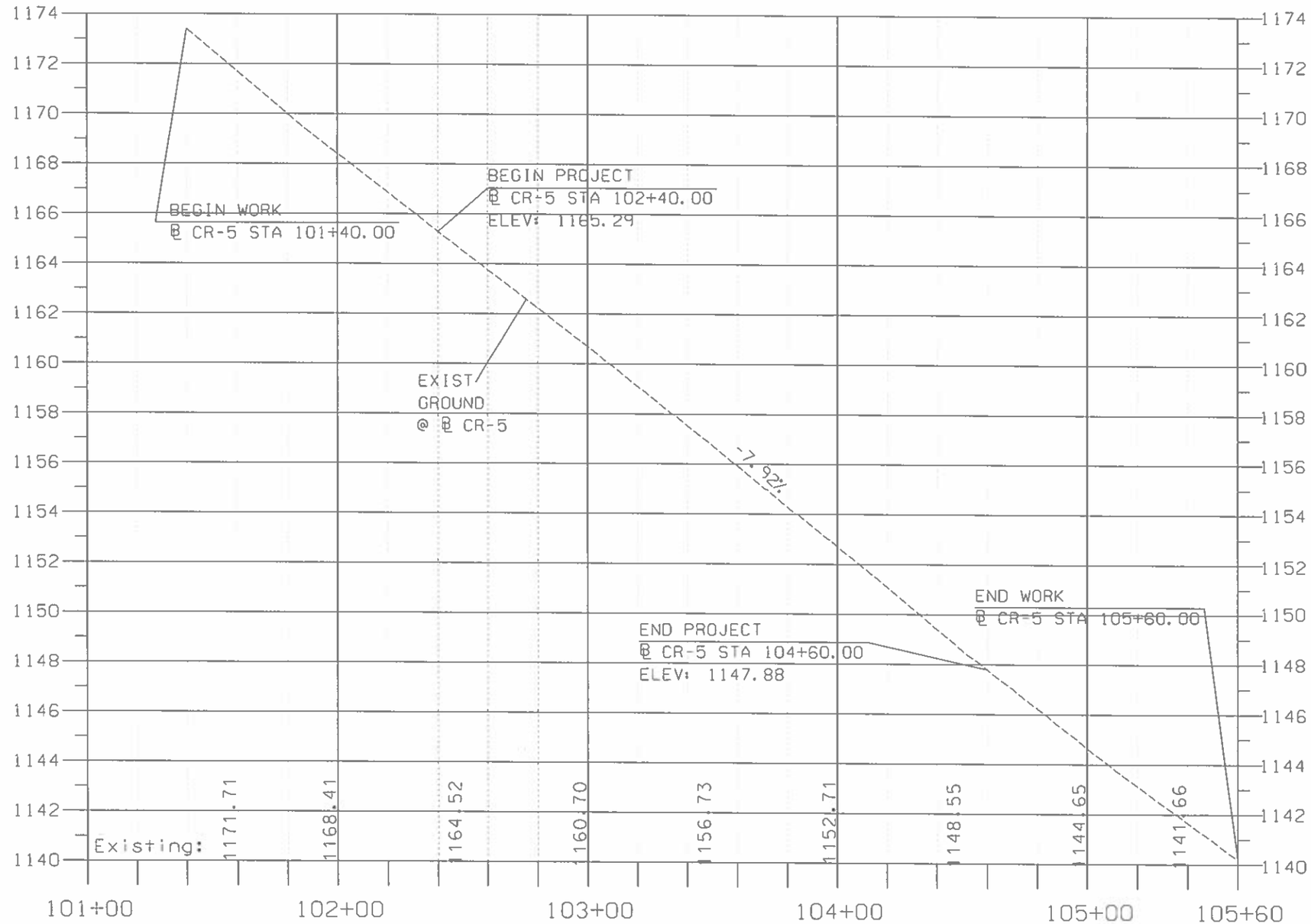
			PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	SHEET TITLE	ROUTE
			FINAL PLANS	NORTH REGION	PLAN SHEET	CR-5

HORIZ 20 0 20 SCALE (FEET)

9/15/2022 9:33:19 AM $USERS $NAMES 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 PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	4A

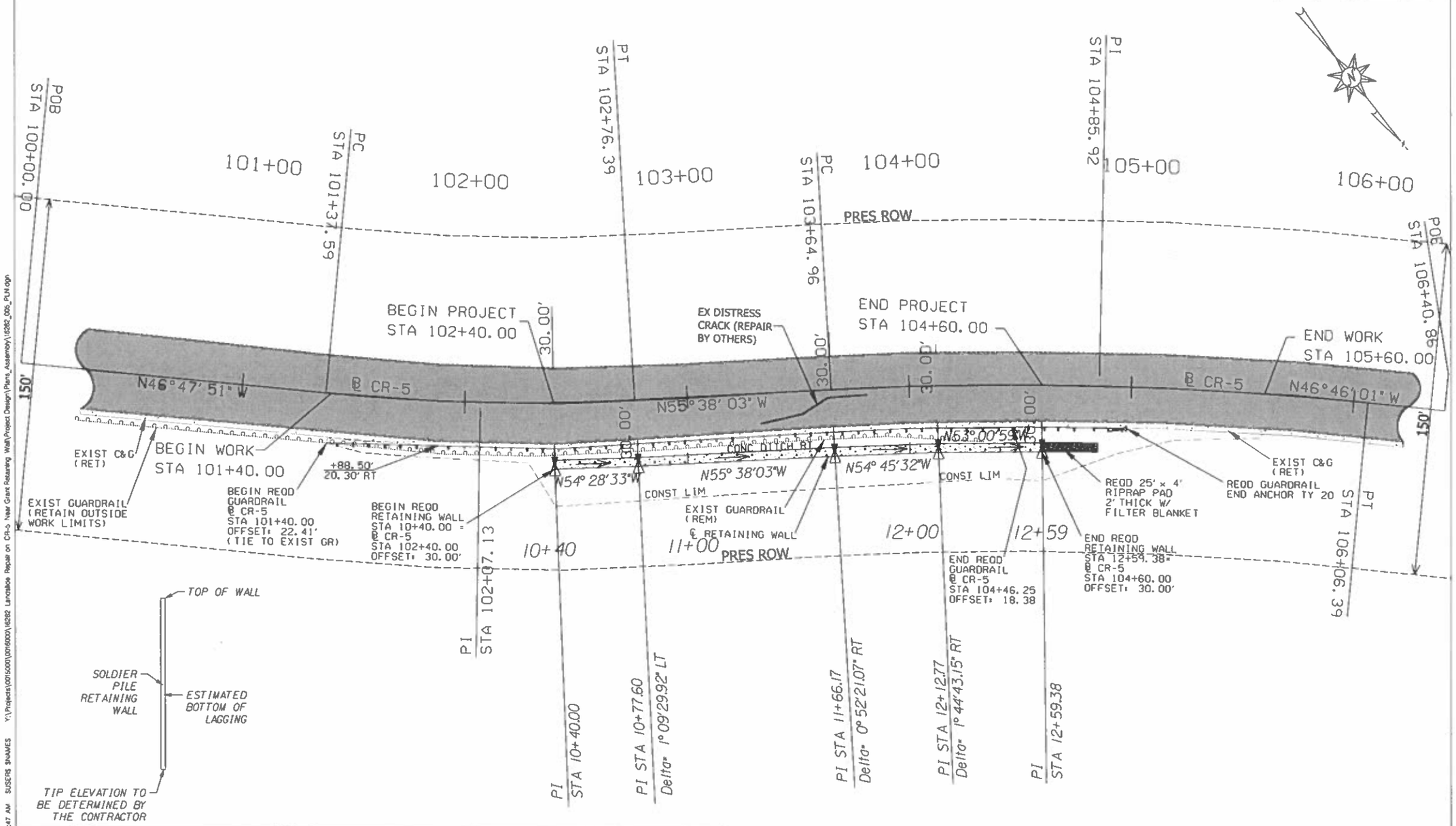


			PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 20 0 20 SCALE (FEET) VERT 2 0 2	SHEET TITLE: PROFILE SHEET
			FINAL PLANS	NORTH REGION		ROUTE: CR-5

9/12/2022 9:53:25 AM SUSER$ SNAVES Y:\Projects\001\0001\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_004A_PRF.dgn

RETAINING WALL PLAN SHEET

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

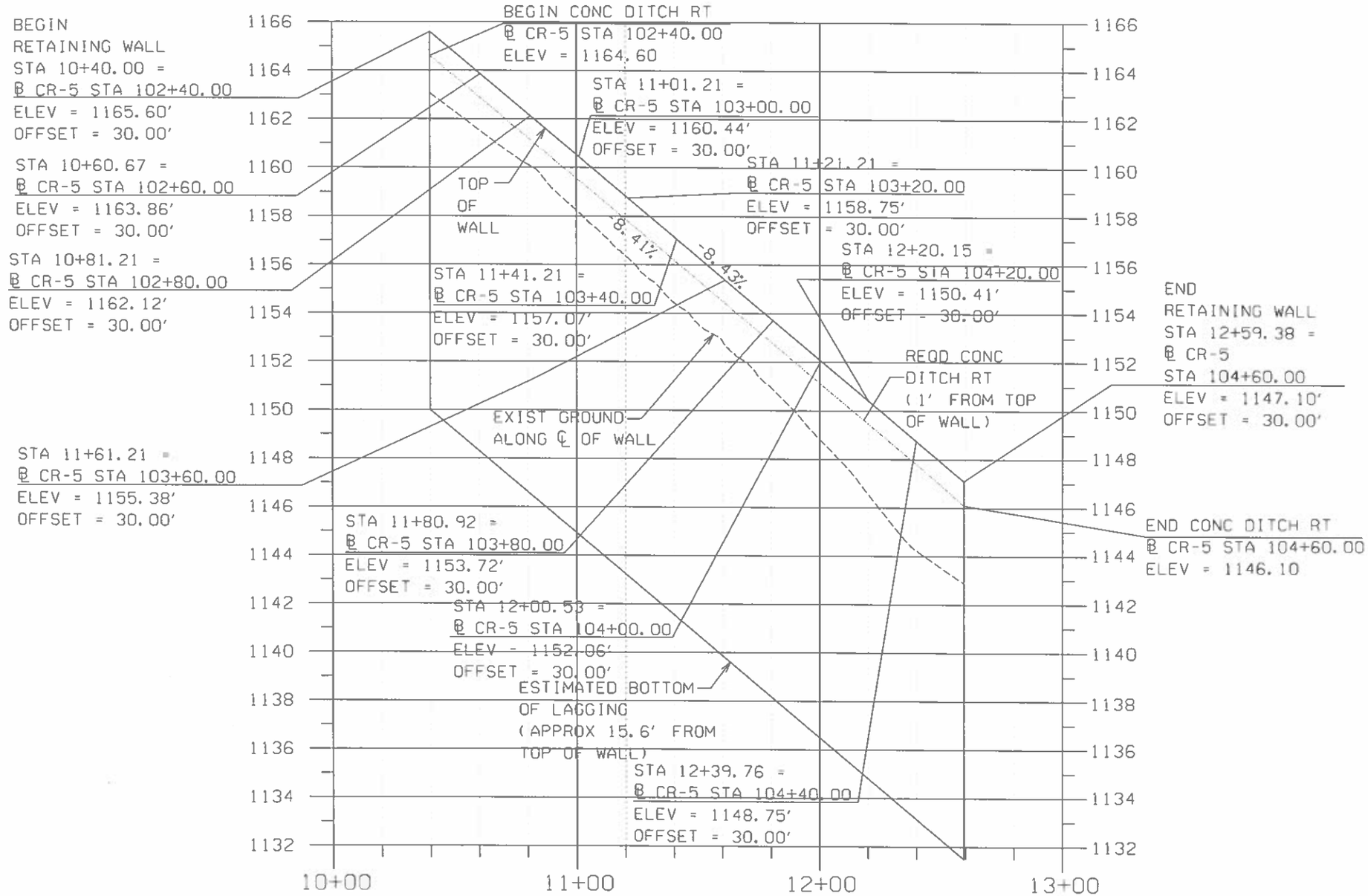


			PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 20 0 20 SCALE (FEET)	SHEET TITLE: RETAINING WALL PLAN SHEET
			FINAL PLANS	NORTH REGION		ROUTE: CR-5

9/15/2022 9:53:47 AM SUSERS $NAMES Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_005_PLN.dgn

RETAINING WALL PROFILE SHEET

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



			PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 20 0 20 SCALE (FEET) VERT 2 0 2	SHEET TITLE	ROUTE
			FINAL PLANS	NORTH REGION		RETAINING WALL PROFILE SHEET	CR-5

9/5/2022 9:53:53 AM $USERS $NAMES Y:\Projects\001\0000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_005A_PRF.dgn

UTILITY PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	7

PROJECT NOTE
800

POB STA 100+00.00
101+00
PC STA 101+37.59
102+00
PT STA 102+76.39
103+00
PC STA 103+64.96
104+00
PI STA 104+85.92
105+00
106+00
POB STA 106+40.86

PRES ROW

APPROXIMATE LOCATION OF 8" DUCTILE IRON WATERLINE PER NORTH MARSHALL UTILITIES (RET)

BEGIN PROJECT STA 102+40.00

EX DISTRESS CRACK (REPAIR BY OTHERS)

EX MONITOR WELL (RET)

END PROJECT STA 104+60.00

END WORK STA 105+60.00

150'

N46°47'51"W

℄ CR-5

N55°38'03"W

℄ CR-5

N46°46'01"W

150'

EXIST C&G (RET)

BEGIN WORK STA 101+40.00

+88.50' 20.30' RT

CONC DITCH RT

N53°00'59"W

EXIST C&G (RET)

EXIST GUARDRAIL (RETAIN OUTSIDE WORK LIMITS)

BEGIN REOD GUARDRAIL ℄ CR-5 STA 101+40.00 OFFSET: 22.41' (TIE TO EXIST GR)

BEGIN REOD RETAINING WALL STA 10+40.00 = ℄ CR-5 STA 102+40.00 OFFSET: 30.00'

N54°28'33"W

N55°38'03"W

N54°45'32"W

CONSI LIM

CONSI LIM

EXIST GUARDRAIL (REM)

℄ RETAINING WALL

REOD 25' x 4' RIPRAP PAD 2' THICK W/ FILTER BLANKET

REOD GUARDRAIL END ANCHOR TY 20

PT STA 106+06.39

PI STA 102+07.13

10+40

11+00

12+00

12+59

PRES ROW

END REOD GUARDRAIL ℄ CR-5 STA 104+46.25 OFFSET: 18.38

END REOD RETAINING WALL STA 12+59.38 = ℄ CR-5 STA 104+60.00 OFFSET: 30.00

PI STA 10+40.00

PI STA 10+77.60 Delta= 1°09'29.92" LT

PI STA 11+66.17 Delta= 0°52'21.07" RT

PI STA 12+12.77 Delta= 1°44'43.15" RT

PI STA 12+59.38

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

9/5/2022 9:54:10 AM $USER$ $NAME$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_007_UTL.dgn

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-9070(949)	2022	9

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.

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-30	P
R2-1	SPEED LIMIT 40	24"X30"	2	5.00	10	SHS-1	P
R2-1	SPEED LIMIT 30	24"X30"	2	5.00	10	SHS-1	P
R2-1	SPEED LIMIT 25	24"X30"	2	5.00	10	SHS-1	P
R16-3	BEGIN HIGHER FINES WHEN WORKERS ARE PRESENT	48"X60"	2	20.00	40	SHS-10	P
R16-3a	END HIGHER FINES	48"X48"	2	16.00	32	SHS-10	P
W3-5b	REDUCED SPEED AHEAD	48"X48"	2	16.00	32	SHS-26	P
W20-1	ROAD WORK AHEAD	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 1500 FT	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 1000 FT	48"X48"	2	16.00	32	SHS-29	P
W20-1	ROAD WORK 500 FT	48"X48"	2	16.00	32	SHS-29	P
W20-4	ONE LANE ROAD AHEAD	48"X48"	2	16.00	32	SHS-29	T
W20-7	FLAGGER	48"X48"	2	16.00	32	SHS-29	T
TOTAL AREA					342		

T: TEMPORARY
P: POST

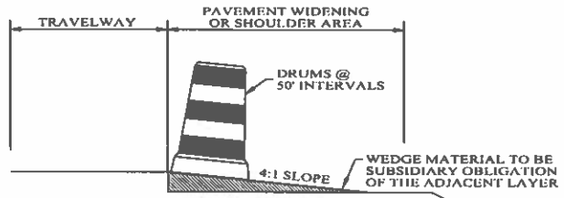
TCP NOTES:
700,701,702,703,704,707,708,
709,710,711,712,715,716,720,
725,729,732,733,734,735,736,
737,742,744,749,750,751,752,
753

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

9/12/2022 9:34:13 AM $USERS $NAMES Y:\Projects\0015000\0016000\16282 Lanceliot Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_009_TCP SOQ.dgn

TEMPORARY TRAFFIC CONTROL PLAN SHEET

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

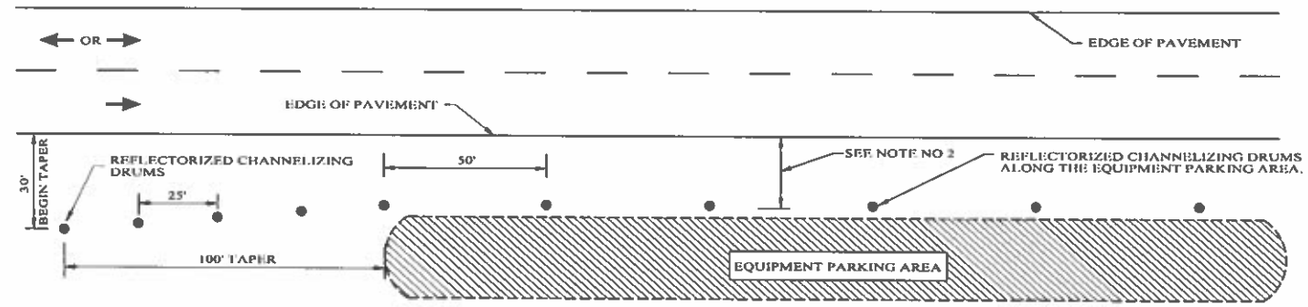


(FOR USE WHERE EXCAVATION HAS BEEN DONE, BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT DROP OFF OF RESURFACING PROJECTS IS 3" OR MORE AT NIGHTFALL)

TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

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

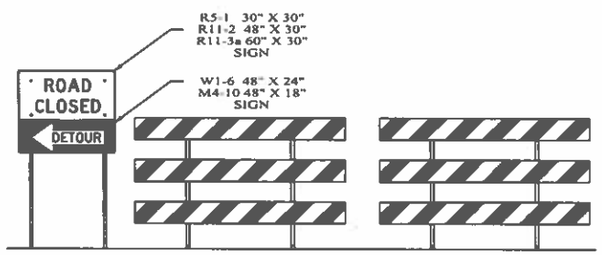
CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.



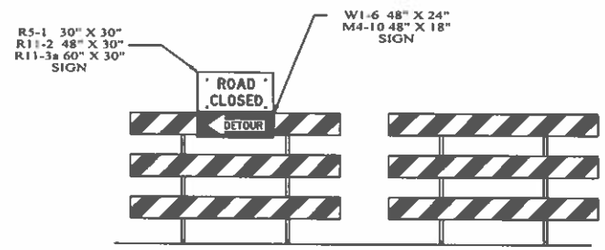
NOTES:

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

DELINEATING DETAIL FOR EQUIPMENT PARKING OR STORING AREA



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



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

NOTES

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

NOT TO SCALE

ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36110-2050

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

Bureau Bd Engr	D.J.W.
DRAWN BY	
DATE DRAWN	
REVISED DATE	12-8-2021

DESIGN BUREAU SPECIAL DRAWING

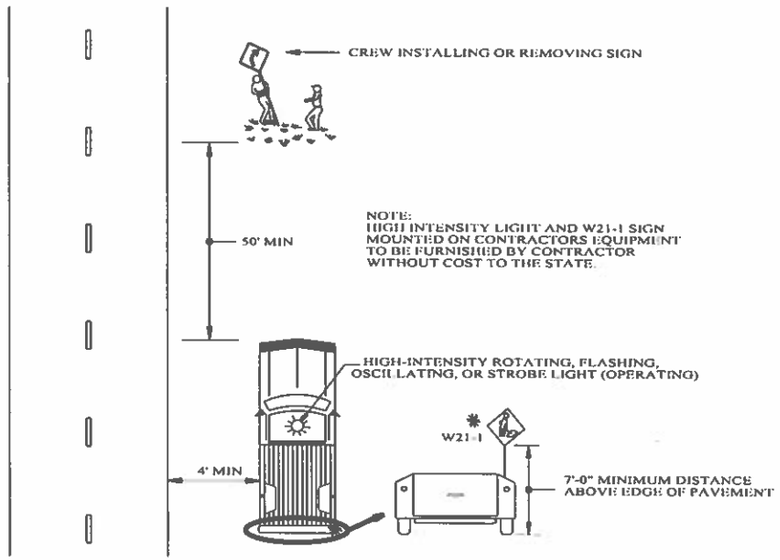
STANDARD DETAILS FOR TRAFFIC CONTROL PLANS

–SPECIFICATIONS–
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

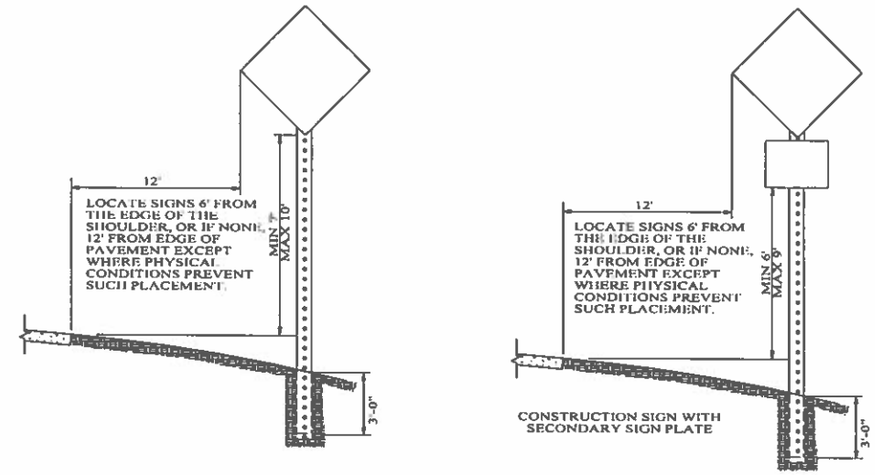
SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2001

TEMPORARY TRAFFIC CONTROL PLAN SHEET

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
ERPR-0070(949)	2022	11A

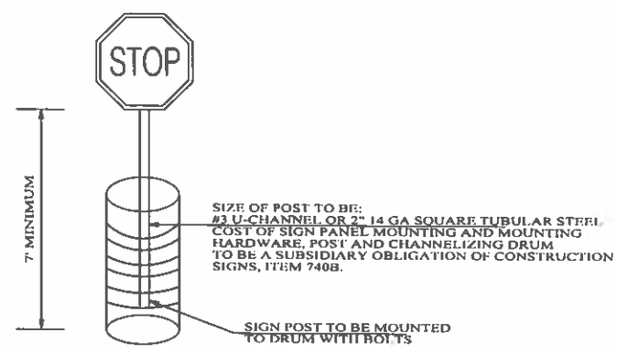


TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



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

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS



DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS

NOT TO SCALE

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1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36110-2059

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REVISIONS

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

DESIGN BUREAU SPECIAL DRAWING

STANDARD DETAILS FOR TRAFFIC CONTROL PLANS

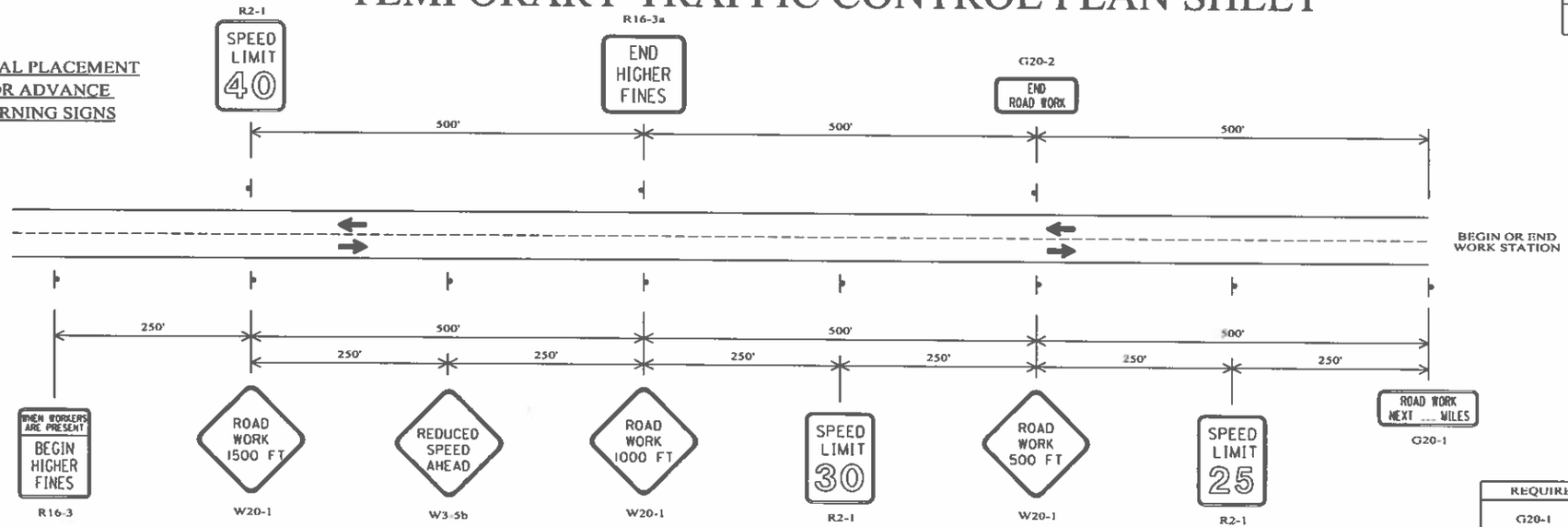
–SPECIFICATIONS–
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO	INDEX NO
SPECIAL PROJECT DETAIL	2001A

TEMPORARY TRAFFIC CONTROL PLAN SHEET

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

TYPICAL PLACEMENT FOR ADVANCE WARNING SIGNS

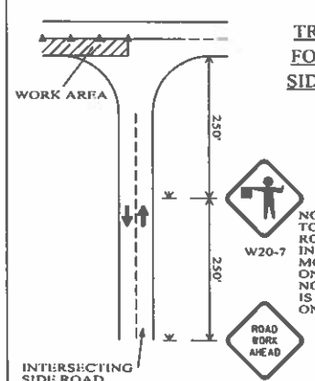


REQUIRED SIGN SIZES	
G20-1	48" X 24"
G20-2	48" X 24"
R2-1	24" X 30"
W3-5b	48" X 48"
R16-3	48" X 60"
R16-3a	48" X 48"
W20-1	48" X 48"
W20-4	48" X 48"
W20-7	48" X 48"

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

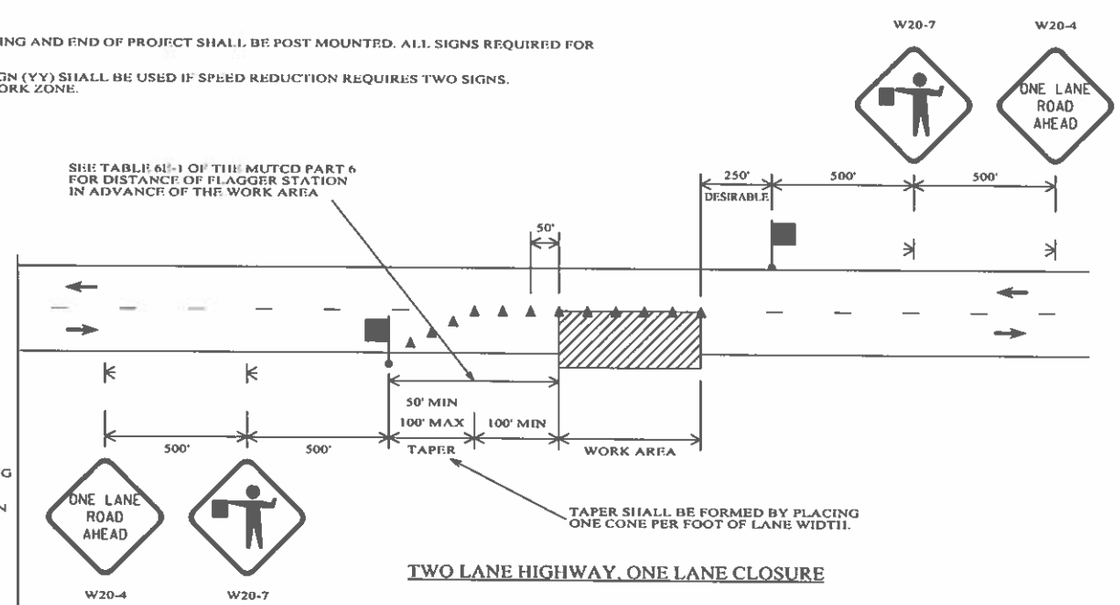
GENERAL NOTES

1. ALL 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.
2. 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.



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

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

NOT TO SCALE

ALABAMA DEPARTMENT OF TRANSPORTATION
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REVISIONS

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

DESIGN BUREAU SPECIAL DRAWING

DETAILS FOR TRAFFIC CONTROL FOR TWO LANE HIGHWAYS

-SPECIFICATIONS-
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

SPECIAL DRAWING NO: SPECIAL PROJECT DETAIL

INDEX NO: 2002

PROJECT NO	FISCAL YEAR	SHEET NO
ERPA-9070(949)	2022	12

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	SCE
EROSION CONTROL PRODUCTS	
SLOPE DRAIN	
TEMPORARY EARTH BERM WITH POLYETHYLENE	
DREDGE, FILL	
PRIMARY STORMWATER DISCHARGE POINT	25. 0
SECONDARY STORMWATER DISCHARGE POINT	25. A
BACKGROUND POINT	25. 1
SEDIMENT RETENTION BARRIER	
SOLID SODDING	
TEMPORARY RIPRAP BERM	
TEMPORARY SEDIMENTATION BASIN	TSB 3
PERMANENT DETENTION BASIN	PDB 3A

EROSION AND SEDIMENT CONTROL PHASES

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

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

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

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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REVISIONS

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

DESIGN BUREAU SPECIAL DRAWING

EROSION & SEDIMENT CONTROL PLANS LEGEND

SPECIAL DRAWING NO: SPECIAL PROJECT DETAIL

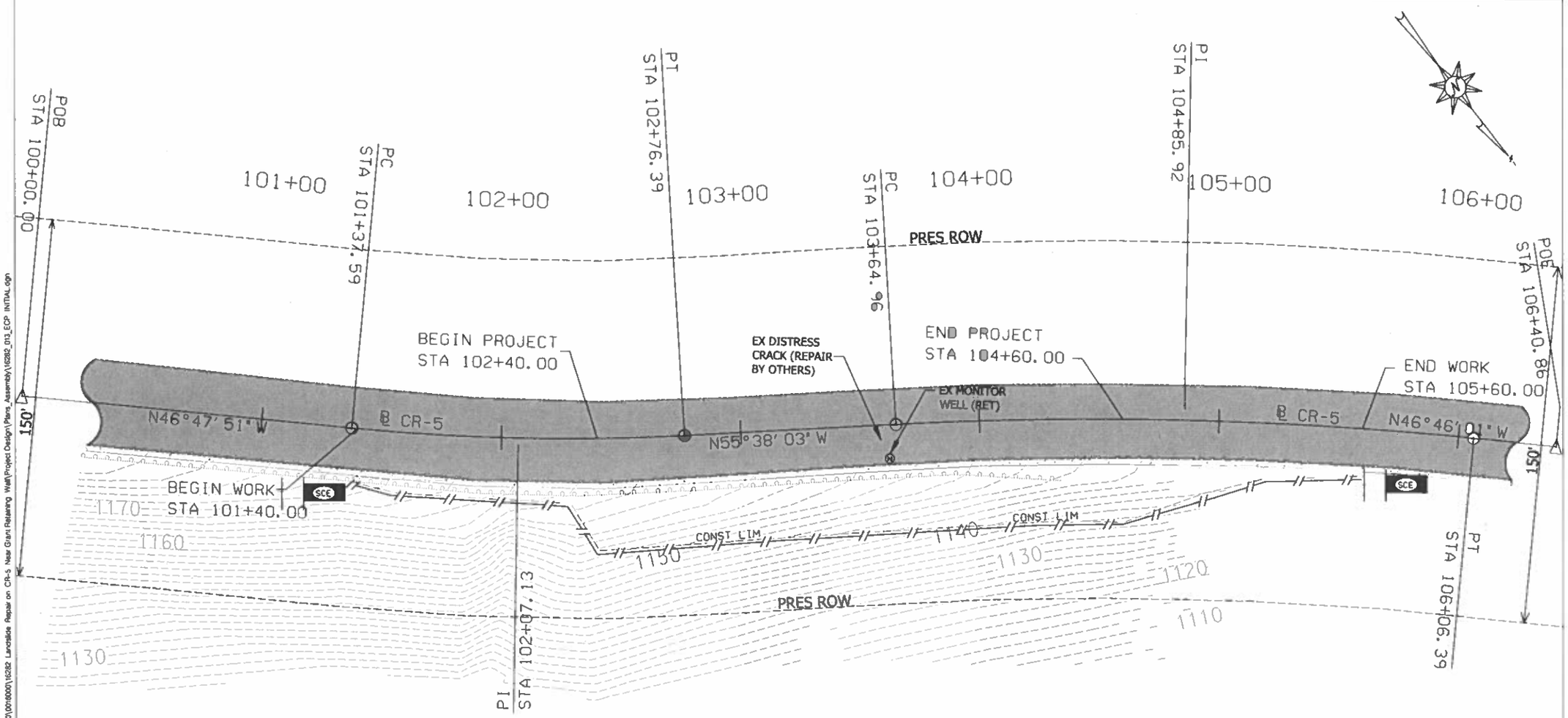
INDEX NO

Bureau Sto Engr: L.W.S.
DRAWN BY: R.D.A. DATE DRAWN: 10-14-16

NOT TO SCALE

EROSION AND SEDIMENT CONTROL PLAN SHEET (INITIAL)

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



			PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION NORTH REGION
			FINAL PLANS	

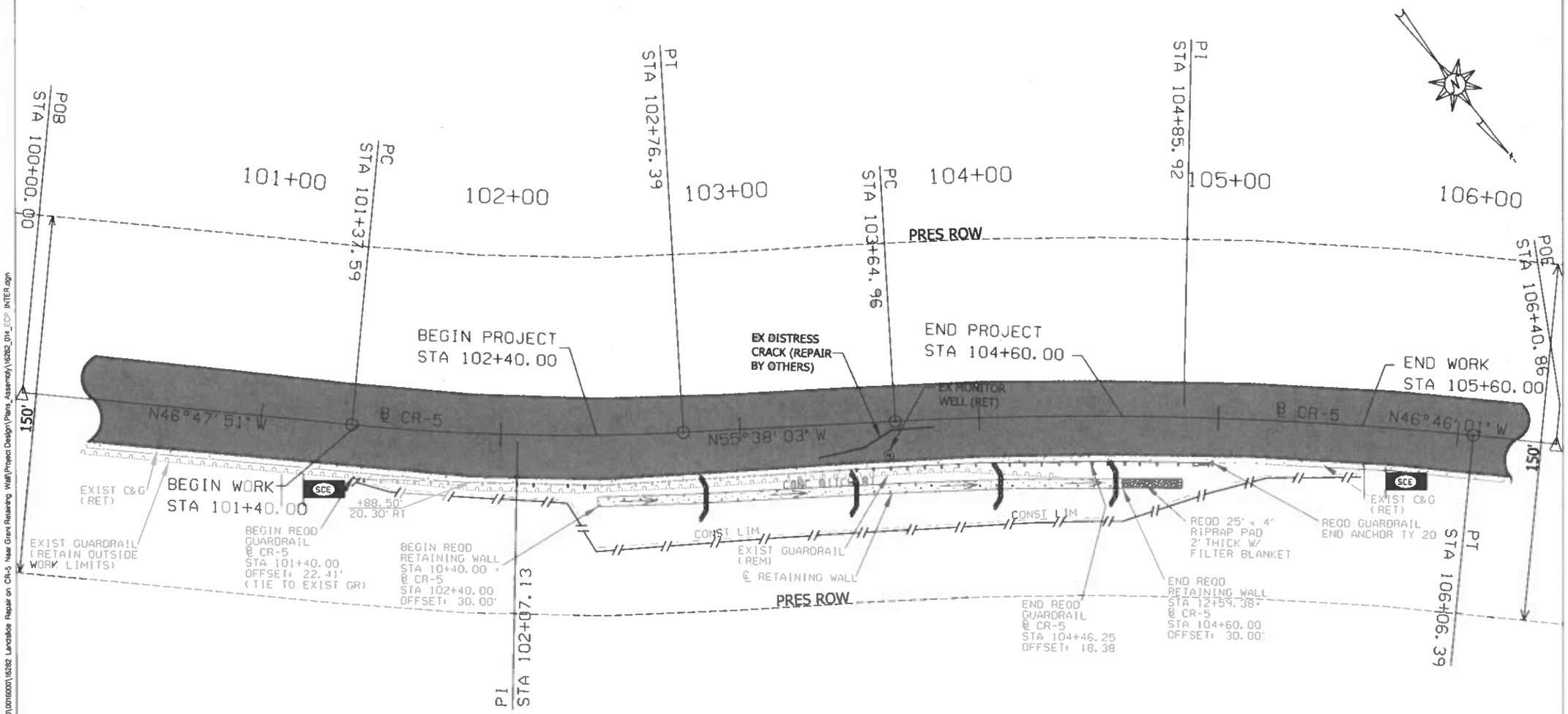
HORIZ 50 0 50 SCALE (FEET)

SHEET TITLE	ROUTE
EROSION AND SEDIMENT CONTROL PLAN SHEET (INITIAL)	CR-5

9/5/2022 9:54:44 AM $USER$ $NAME$ Y:\Projects\0015\0020\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_013_ECP INITIAL.dgn

EROSION AND SEDIMENT CONTROL PLAN SHEET (INTERMEDIATE)

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

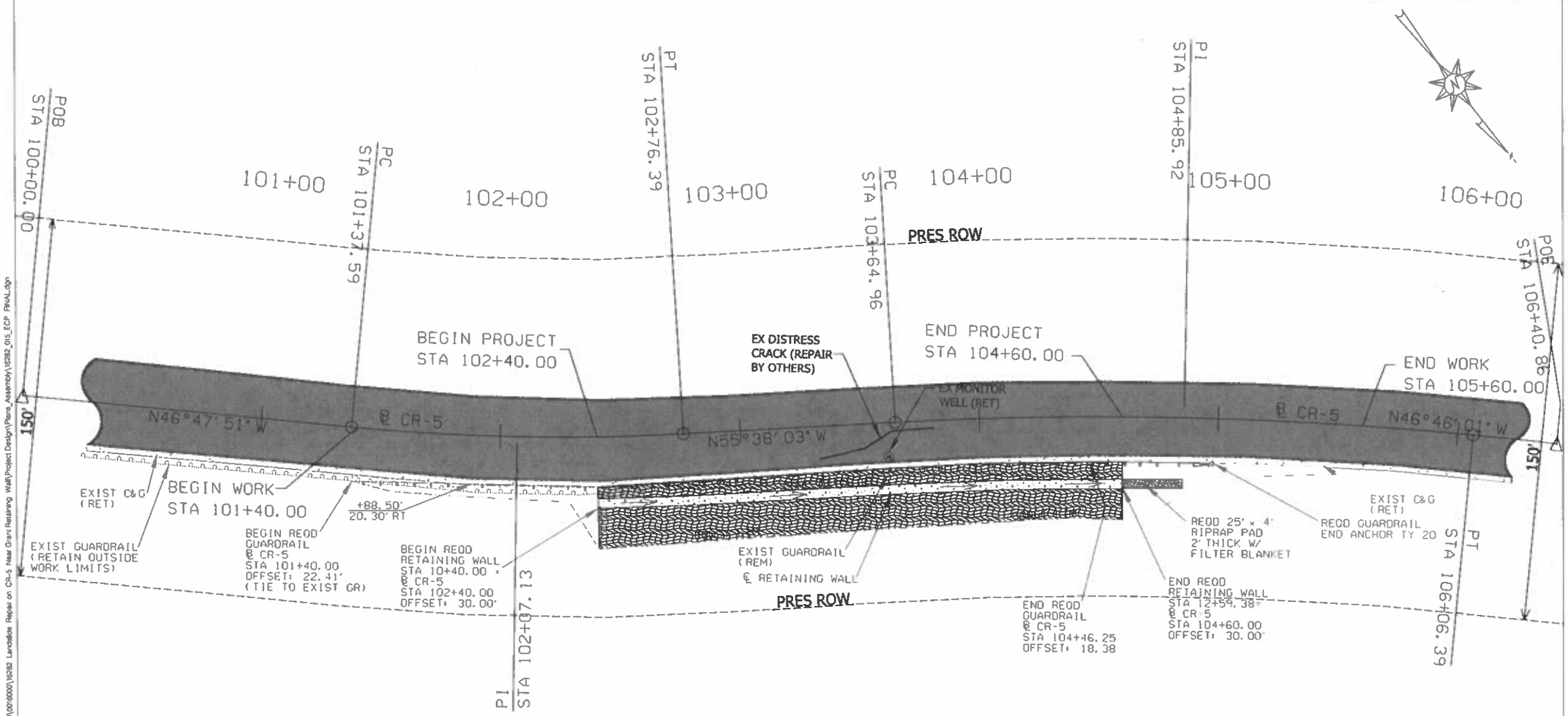


PLAN SUBMITTAL	ALABAMA DEPARTMENT OF TRANSPORTATION	HORIZ 50 0 50 SCALE (FEET)	SHEET TITLE	ROUTE
FINAL PLANS	NORTH REGION		EROSION AND SEDIMENT CONTROL PLAN SHEET (INTERMEDIATE)	CR-5

9/5/2022 9:34:50 AM $USER$ $NAME$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_014_EOP INTER.dgn

EROSION AND SEDIMENT CONTROL PLAN SHEET (FINAL)

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



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			FINAL PLANS	NORTH REGION		EROSION AND SEDIMENT CONTROL PLAN SHEET (FINAL)	CR-5

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CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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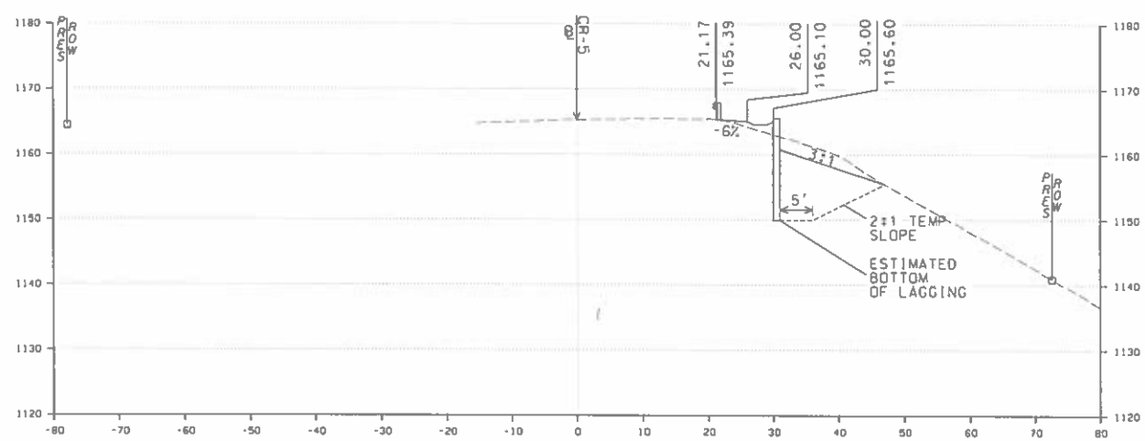

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			PS&E	NORTH REGION		CROSS SECTIONS	CR-5

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CROSS SECTIONS

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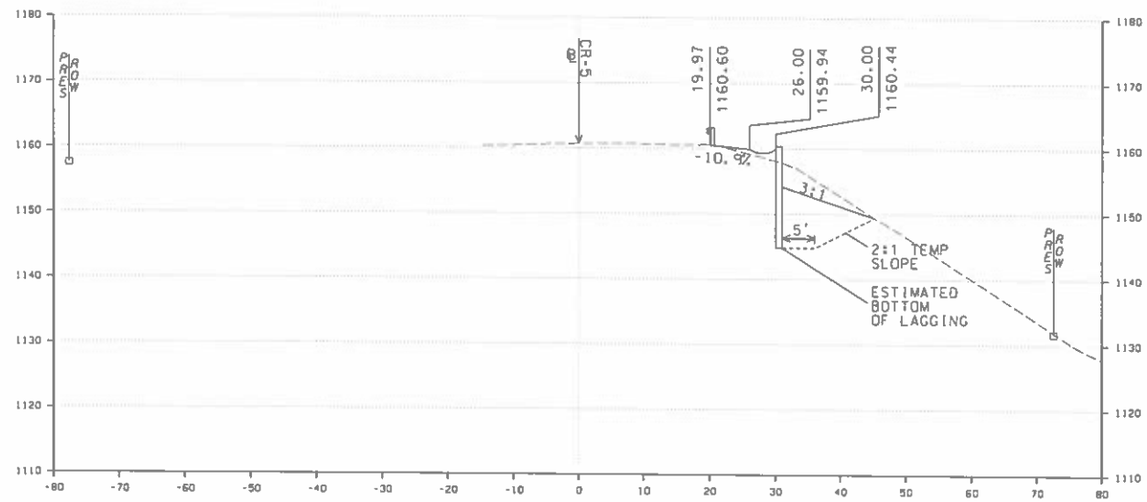
ERPR-9070( )	2022	21



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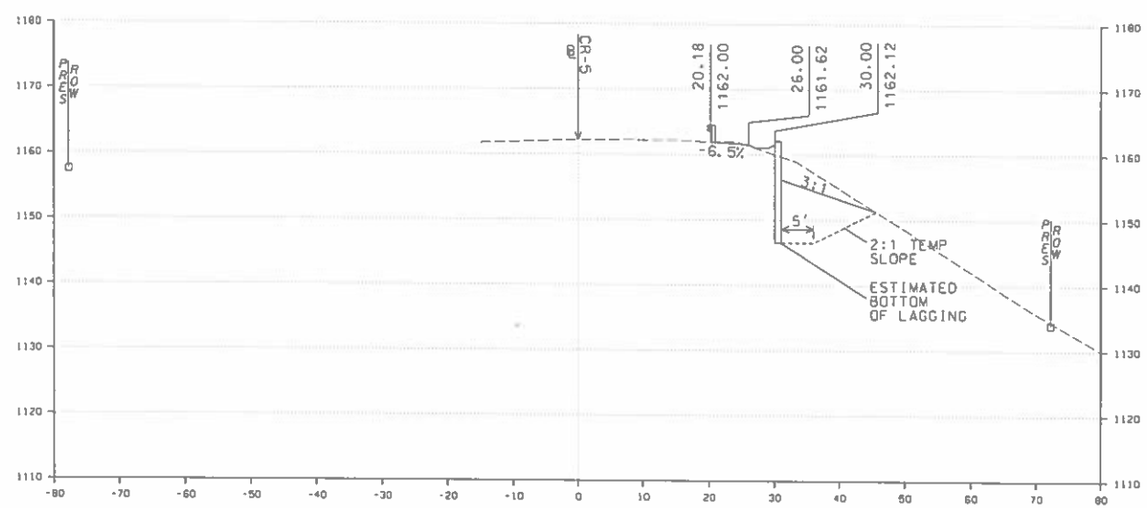

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			PS&E	NORTH REGION		CROSS SECTIONS

ROUTE: CR-5

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CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
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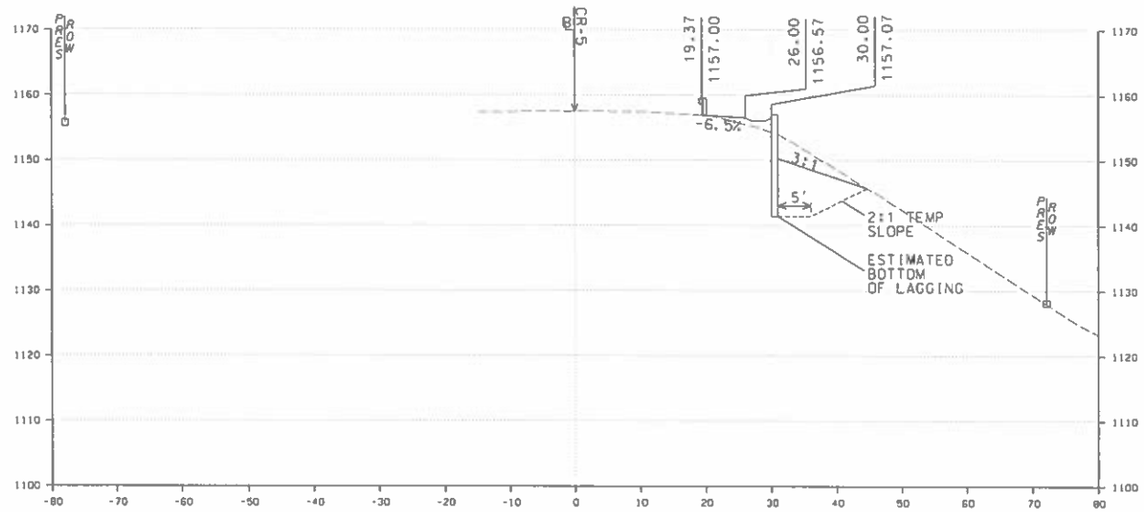

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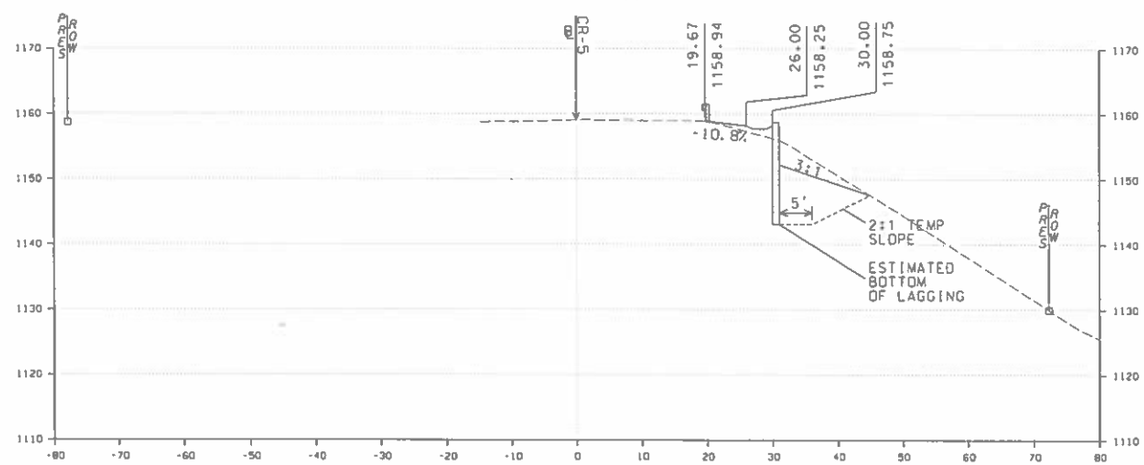

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			PS&E	NORTH REGION		CROSS SECTIONS	CR-5

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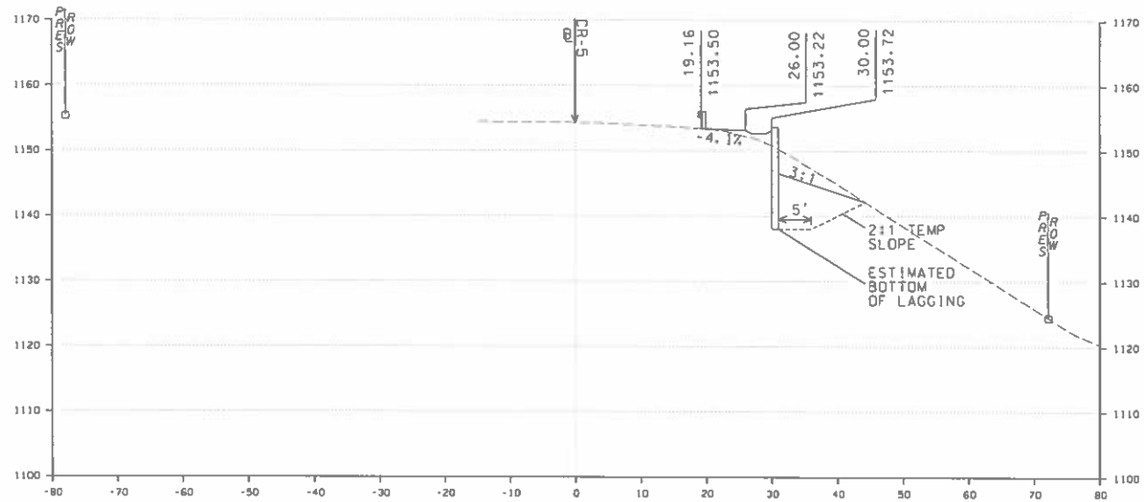
CROSS SECTIONS

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



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Sta 103+60.00 TO Sta 103+80.00

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			PS&E	NORTH REGION		CROSS SECTIONS	CR-5

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CROSS SECTIONS

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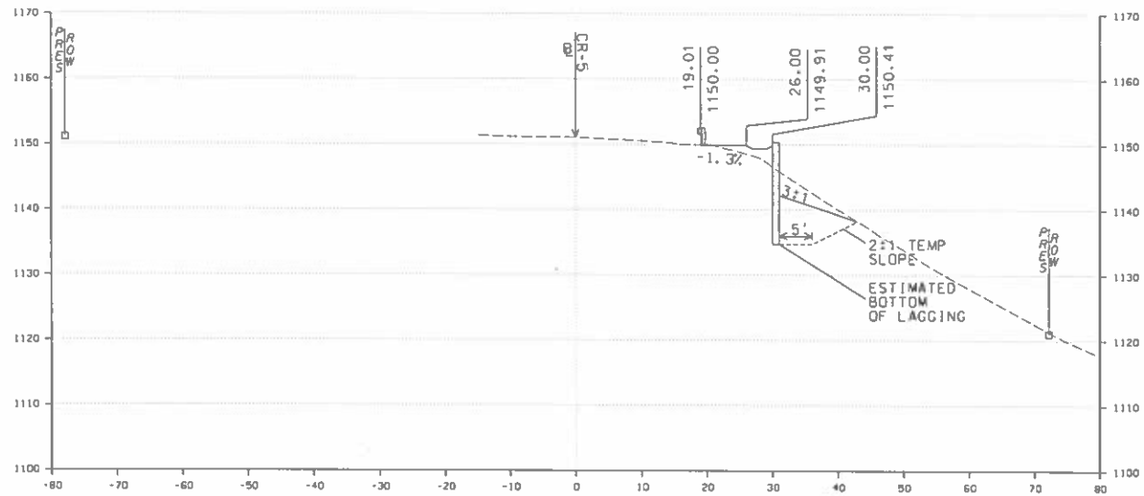
ERPR-9070( )	2022	24



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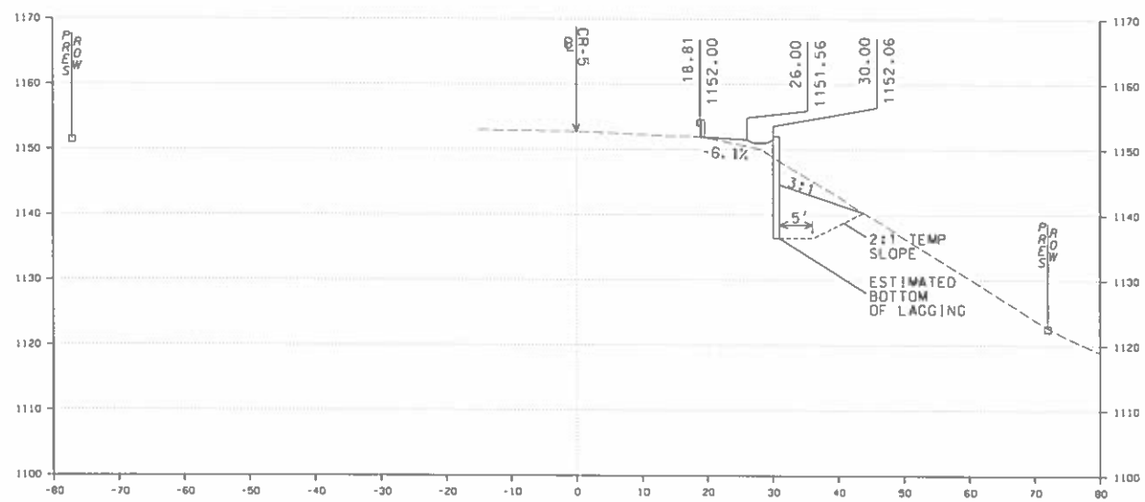

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			PS&E	NORTH REGION		CROSS SECTIONS	CR-5

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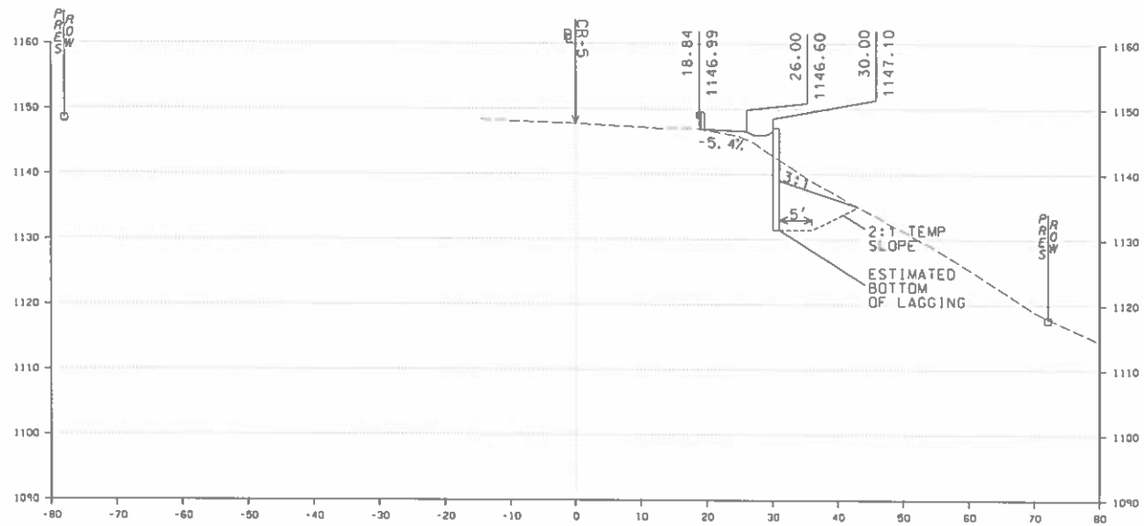
CROSS SECTIONS

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



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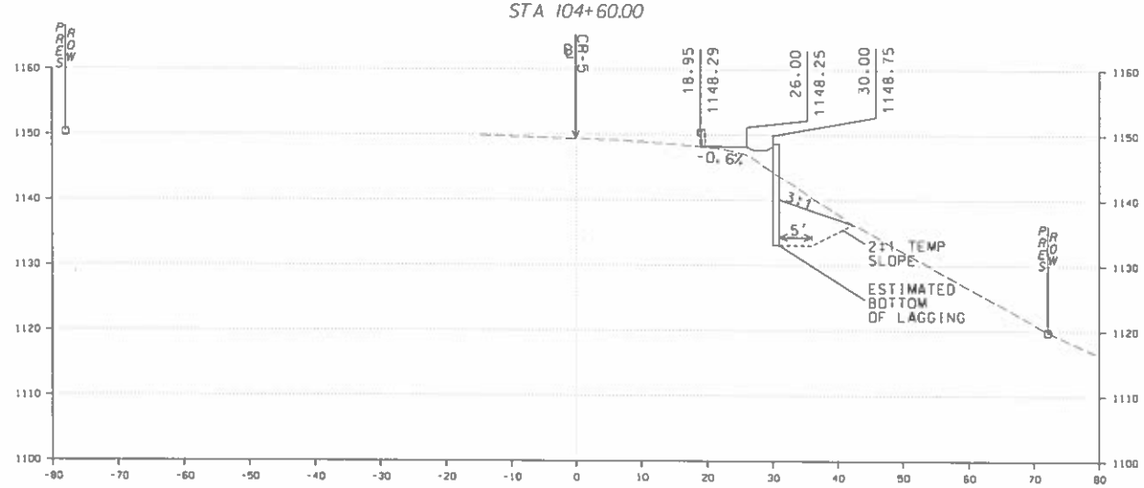

STA 104+40.00

Sta 104+40.00 TO Sta 104+60.00

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			PS&E	NORTH REGION		CROSS SECTIONS	CR-5

7/2/2022 9:44:19 AM $USER NAME$ Y:\Projects\0015000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_020_XSEC.dgn

BORING LOG SHEET

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

Notes:

Boring locations are approximate.

This plan was based on a topographic survey dated July 2020.

Aerial imagery provided by Google Earth.

CR-5 Slope Distress Evaluation
Marshall County, Alabama
CDG Project No.: R912220413

Boring Location Plan

Drawn By: Willis | Page 1 of 1 | Date 10/16/2020

CDG Engineering Environmental Answers

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FOR INFORMATION ONLY

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

9/16/2022 9:33:49 AM USERS SHARES Y:\Projects\2019-0000\2019-0000\16282 Lanceline Repair on CR-5 Near Giant Retaining Wall\Project Design\Plans_Assembly\16282_CR5_SOIL BORING02.dgn

BORING LOG SHEET

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

Boring B-1

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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 9/11/2020.

☒ - Split Spoon Sample ▯ - Rock Core

Depth (ft.)	Approx. Elev. (ft.)	Graphic Log	Material Description	Type	Blows/6" (N-Value)	Rec. % (RQD)	LL	PL	PI	MC	Fines (%)	PPqu (tsf)	Remarks
			Medium dense, brown, silty SAND with gravel	☒	9-7-5 (12)		NP	NP	NP	9	20.4		AASHTO=A-2-4 USCS=SM
5	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
10	1145.0		...brown	☒	1-1-2 (3)					13			
			...dense, with rock fragments (Fill)	☒	7-17-19 (36)		NP	NP	NP	9	29.0		AASHTO=A-2-4 USCS=SM
15	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			
20	1135.0		...medium dense	☒	16-17-9 (26)					3			
			Stiff, orange and tan CLAY with fine sand (Residuum)	☒	4-4-5 (9)		33	20	13	16	92.9		AASHTO=A-6 USCS=CL
25	1130.0		SANDSTONE: Moderately weathered, close to medium fracture spacing, light tan and gray, fine-grained, very hard	▮		94.3 (52.4)							Begin Run #1 Run Length = 42 inches

(Continued Next Page)

Boring B-1

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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 9/11/2020.

☒ - Split Spoon Sample ▯ - Rock Core

Depth (ft.)	Approx. Elev. (ft.)	Graphic Log	Material Description	Type	Blows/6" (N-Value)	Rec. % (RQD)	LL	PL	PI	MC	Fines (%)	PPqu (tsf)	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
30	1125.0		(Pottsville Formation)	▮		93.3 (70.0)							
			Auger refusal encountered at 23.5 feet. Boring terminated at 32.0 feet.										
35	1120.0												
40	1115.0												
45	1110.0												
50	1105.0												

FOR INFORMATION ONLY

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

9/15/2022 9:55:59 AM $USERS $NAMES Y:\Projects\0015001\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_006_SOIL BORINGS.dgn

BORING LOG SHEET

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

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Boring B-2

Page 1 of 1

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: +/- 1163 feet

Notes:
5 inches of asphalt present at ground surface. No groundwater encountered at time of boring.

☒ - Split Spoon Sample ▯ - Rock Core

Depth (ft.)	Approx. Elev. (ft.)	Graphic Log	Material Description	Type	Blows/6" (N-Value)	Rec. % (RQD)	LL	PL	PI	MC	Fines (%)	PPqu (tsf)	Remarks
			Dense, brown, silty fine SAND with rock fragments		26-21-16 (37)								
	1160.0												
5			...very dense, light tan and orange		11-30-29 (59)								
			(Residuum)										
			SANDSTONE: Moderately weathered, very close fracture spacing, light tan, fine-grained, hard										Begin Run #1 Run Length = 57.6 inches
	1155.0					55.6 (0.0)							
10			...close fracture spacing										Begin Run #2 Run Length = 60 inches
	1150.0					60.0 (21.7)							
15			(Pottsville Formation)										
			Auger refusal encountered at 5.8 feet. Boring terminated at 15.8 feet.										Boring backfilled upon completion.
	1145.0												
20													
	1140.0												
25													

FOR INFORMATION ONLY

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

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EARTHWORK SUMMARY SHEET

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

GN-2 NOTES: 148

UNCLASSIFIED EXCAVATION (210A-000):	=	805	CU YD
BORROW EXCAVATION (210D-001):	=	98	CU YD
TOPSOIL FROM STOCKPILES (650B-000):	=	0	CU YD
TOPSOIL (650A-000):	=	58	CU YD

9/12/2022 9:56:17 AM SUSERS $NAVES Y:\Projects\001\0016000\0016000\16282 Landslide Repair on CR-5 Near Grant Retaining Wall\Project Design\Plans_Assembly\16282_027_EW.dgn

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				FINAL PLANS	NORTH REGION		EARTHWORK SUMMARY SHEET	CR-5