

Return Bid To:
MARSHALL COUNTY
ENGINEERING DEPARTMENT
424 BLOUNT AVENUE SUITE 305
GUNTERSVILLE, AL 35976
(256) 571-7712

BID NO: 65 - 20

BID OPENING DATE & TIME: WEDNESDAY,
MAY 5, 2021 - 2:00 P.M.

LOCATION: ROOM A319 - COMMISSION
CHAMBERS - 3RD FLOOR - MARSHALL
COUNTY COURTHOUSE - GUNTERSVILLE, AL

INVITATION FOR BIDS
FOR
RETAINING WALL AND LANDSLIDE REPAIR ON
PINE ISLAND POINT ROAD
(MCP 48-88-21)

VENDOR'S RESPONSE:

VENDOR'S NAME: _____

VENDOR'S ADDRESS: _____

TELEPHONE NO. _____ **FAX NO:** _____

EMAIL: _____

CONTRACTOR LICENSE NO. _____

TOTAL BID PRICE

\$ _____

VENDOR'S RESPONSE:

I hereby agree to furnish the above named items on or by the dates requested and hereby certify that all specifications set above will be met.

Authorized Representative

Typed or Written Name

SCOPE OF WORK

The scope of work will include all necessary labor, materials, equipment, and incidentals, complete in-place, to perform the following:

Retaining Wall and Landslide Repair on Pine Island Point Road.

ESTIMATED QUANTITIES

The estimated Bid quantities are as shown on page 3. The contractor needs to fill in the required unit rates and total as required.

The final quantities may vary.

The unit rates shall govern.

EST. QNTY.	ITEM NO.	UNITS	DESCRIPTION	Unit Price	Extended Price
			CLEARING AND GRUBBING (MAX ALLOWABLE BID \$8000 PER ACRE) (APPROXIMATELY 1.0 ACRE)		
1	201A-002	LS			
38	206C-010	SQ YD	REMOVING CONCRETE DRIVEWAY		
34	206D-000	LF	REMOVING PIPE		
124	210A-000	CU YD	UNCLASSIFIED EXCAVATION		
150	210D-011	CU YD	BORROW EXCAVATION (A4 OR BETTER)		
43	214A-000	CU YD	STRUCTURE EXCAVATION		
26	214B-001	CU YD	FOUNDATION BACKFILL, COMMERCIAL		
5	430B-003	TON	AGGREGATE SURFACING (ALDOT #57)		
2979	529A-012	SQ FT	RETAINING WALL (MSE)		
65	530A-000	LF	15" ROADWAY PIPE, (CLASS 3 R.C.)		
33	530A-002	LF	24" ROADWAY PIPE, (CLASS 3 R.C.)		
1	600A-000	LS	MOBILIZATION		
			CONCRETE DRIVEWAY, 6" THICK (INCLUDES WIRE MESH)		
25	618B-003	SQ YD			
2	620A-000	CU YD	MINOR STRUCTURE CONCRETE		
2	621C-134	EACH	INLETS, TYPE PD (MOD)		
3	621D-109	EACH	INLET UNITS, TYPE PD		
225	623A-000	LIN FT	CONCRETE GUTTER		
			STEEL BEAM GUARDRAIL, CLASS A, TYPE 2		
82	630A-001	LIN FT			
			GUARDRAIL END ANCHOR, TYPE 20 SERIES		
2	630C-050	EACH			
49	650A-000	CU YD	TOPSOIL		
1	652A-100	ACRE	SEEDING		
349	654A-000	SQ YD	SOLID SODDING		
1	656A-010	ACRE	MULCHING		
18	659C-003	SQ YD	EROSION CONTROL PRODUCT, TYPE S1		
1	665A-000	ACRE	TEMPORARY SEEDING		
1	665B-100	TON	TEMPORARY MULCHING		
1148	665J-002	LF	SILT FENCE		
1148	665O-001	LF	SILT FENCE REMOVAL		
4	665P-005	EACH	INLET PROTECTION, STAGE 3 OR 4		
100	665Q-002	LF	WATTLE		
1	680A-001	LS	GEOMETRIC CONTROLS		

TOTAL BID PRICE

SPECIAL INSTRUCTIONS TO BIDDERS:

- (1) The contractor shall fill in all required blanks on the bid pricing form included herein.
- (2) A bid bond in the amount of 5% of the total bid cost shall be included with each bid submitted, but not to exceed \$10,000.
- (3) A performance and payment bond each in the amount of 100% of the total bid price will be required within fifteen (15) days of the notice of award.
- (4) Contractor shall submit with bid a copy of a certificate of insurance (\$1.0 million minimum) and workmen's compensation.
- (5) The successful bidder shall begin work at least 15 calendar days after the date of notice to proceed.
- (6) Work is to be completed within 75 calendar days after date of notice to proceed. It is the bidder's responsibility to familiarize himself with and shall comply with all requirements and specifications as stated in the *Alabama Department of Transportation - Standard Specifications for Highway Construction-2018 Edition*. The definition for "State" as listed in the before mentioned manual, in Section 101.01, shall be changed to read as follows: "*Marshall County, a political subdivision of the State of Alabama, the party of the first part to the contract acting by and through the Marshall County Engineer*".
- (7) The Contractor shall include in his/her bid price the cost for all materials, labor, equipment, and incidentals necessary for the work to be completed in-place.
- (8) Payment will be made on a monthly basis for work completed. There will be retained five (5) percent of the amount of the work done and will be held until completion of all work and final acceptance by the Marshall County Commission. No further retainage will be held after 50 percent of work completed.

Upon completion of all work the contractor must give notice of completion of the project by advertising in a local newspaper.

Advertisement of completion must run for a period of four (4) consecutive weeks and provide the County with proof of advertising (affidavit) from the paper, and a release of lien.

Upon completion and acceptance of all work, final payment will be made.

- (9) The Contractor shall indemnify and save harmless Marshall County, Marshall County Commission, the officers and employees from all suits, actions, or claims of any character brought because of any injuries or damages received by any person, persons, or property on account of the said Contractor, or through use of unacceptable materials in constructing the work; or because of any claims or amounts arising or recovered under the "Workman's Compensation Act" or any other law, ordinance, order or decree.
- (10) It shall be the bidder's responsibility to possess all proper City, County, State, and Federal licenses and shall familiarize himself with and shall comply with all Federal, State, and local laws, ordinances, and regulations.

(11) By signing this contract the contracting parties affirm, for the duration of the agreement that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

Each bidder is required to submit with the bid a certificate of E-Verify.

(12) Bids may be submitted either by mail or in person, however, Marshall County will not be responsible for the security of mailed bids. (Also, if mailing bid, please be advised that we do not receive mail before 10:00 A.M. daily, therefore mail early to ensure prompt arrival).

(13) By signing and submitting of this bid, the vendor certifies that he/she is an equal opportunity employer.

(14) Bidders are required to use this "Invitation For Bids". Bidders shall bid all items, sign, and return all sheets in the "Invitation For Bids" to **Marshall County Engineering Department, 424 Blount Ave., Suite 305, Guntersville, AL 35976**. Failure to do so will be cause for rejection of bid.

(15) Each individual bid must be submitted in a sealed envelope with the word "BID" and name of item marked on outside of envelope, along with the contractor's license number. Bids need to be mailed to Marshall County Engineering Department, 424 Blount Ave., Suite 305, Guntersville, AL 35976.

You are invited to bid on the above specifications. Any substitutes offered, other than the items specified, must include information showing that the substitute is of equal or better quality and equally or better suited for the purported use than the item specified. The right to reject any items or materials not of quality or under any provisions of this act is reserved.

THE MARSHALL COUNTY COMMISSION RESERVES THE RIGHT TO ACCEPT AND/OR REJECT ANY AND/OR ALL BIDS.



**JAMES HUTCHESON, CHAIRMAN
MARSHALL COUNTY COMMISSION**

Attachments

- Advertisement
- Contract Plans

ADVERTISEMENT FOR BIDS

Sealed Proposals (Bids) for the construction of "Retaining Wall and Landslide Repair on Pine Island Point Road", will be received by the Marshall County Commission (Owner) in the Marshall County Commission Chamber – 3rd Floor, Room #A319 – 424 Blount Avenue – Guntersville, AL 35976 until **2:00 P.M.**, Central Standard Time on **May 5, 2021**, at which time and place they will be publicly opened and read aloud.

Plans and specifications are available from the Marshall County Engineer's Office – 3rd Floor, Room #A337 – 424 Blount Avenue – Guntersville, AL 35976 (256-571-7712).

Bids must be submitted on proposal forms furnished by the Owner. All bidders must show evidence of license before bidding or bid will not be received or considered by the owner; the bidder shall show such evidence by clearly displaying his or her current license number on the outside of the envelope in which the proposal is delivered. The Owner reserves the right to reject any or all proposals and to waive technical errors if, in the Owner's judgment, the best interests of the Owner will thereby be promoted. No bid may be withdrawn after the scheduled closing time for receipt of bids for a period of thirty (30) days.

The bracket estimate for this project is \$250,000 to \$350,000.

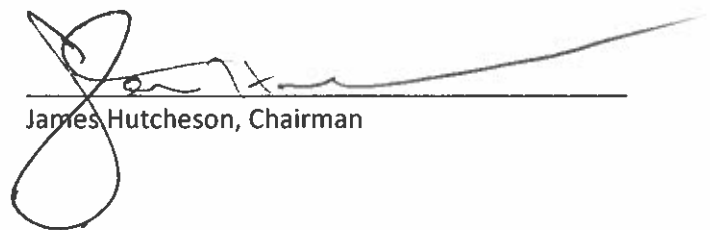
A certified check or bank draft, payable to Marshall County Commission, or a satisfactory bid bond executed by the bidder and acceptable sureties in an amount equal to five (5) percent of the bid, but not to exceed \$10,000, shall be submitted with each bid.

The successful bidder will be required to furnish and pay for satisfactory performance and payment bonds, each in the amount of 100 percent of the contract price.

Contractor shall be licensed in accordance with Alabama State Laws. Proof of licensure will be required on the outside of the Bid Envelope before bid will be considered. Subcontractors whose contracts exceed \$50,000.00 must also be licensed according to the State of Alabama Law and show proof thereof.

The Marshall County Commission reserves the right to reject any or all bids and to waive any informalities in the bidding.

MARSHALL COUNTY COMMISSION



James Hutcheson, Chairman

1st Advertisement: April 17th, 2021

2nd Advertisement: April 24th, 2021

3rd Advertisement: May 1st, 2021

MARSHALL COUNTY COMMISSION

RETAINING WALL CONTRACT PLANS
AND LANDSLIDE REPAIR ON
PINE ISLAND POINT ROAD
MARSHALL COUNTY

STATE	REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO	LAST SHEET NO
AL	MCP48-88-21	2021	1	21
CONTRACT ID NO				



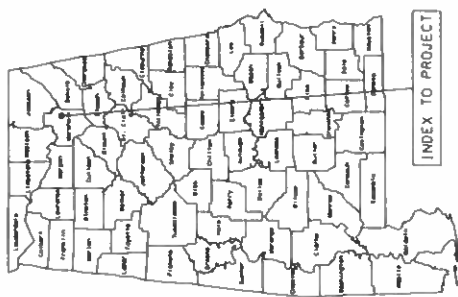
These plans have been prepared to conform with the Alabama Department of Transportation Standard Specifications for Highway Construction, 2018 Edition.

Prepared by:
Robert X. Pirando
ROBERT X. PIRANDO, P. E.
COUNTY ENGINEER

PREPARED BY:
NEEL-SCHAFFER
Solutions you can build upon

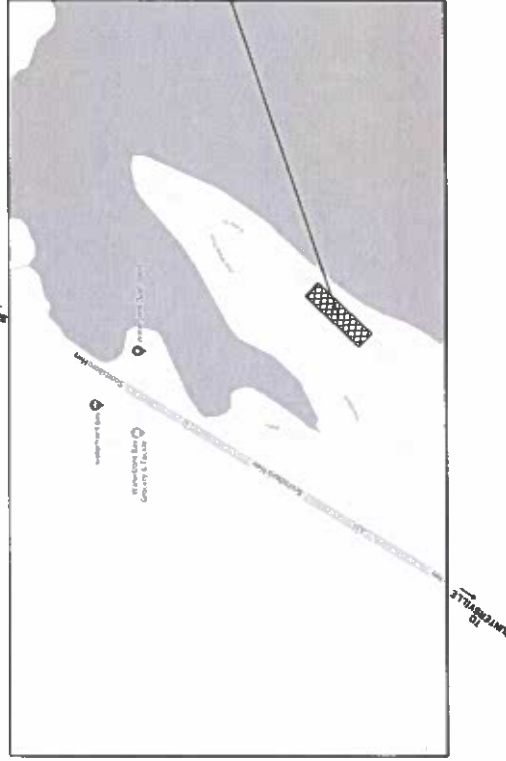


ENGINEER: ROBERT E. PORTERA, P. E.
NO.: 13016



INDEX TO PROJECT

- MARSHALL COUNTY COMMISSION
- JAMES HUTCHESON, CHAIRMAN
- RONNY SHUMATE, DISTRICT ONE
- RICK WATSON, DISTRICT TWO
- LEE SIMS, DISTRICT THREE
- JOEY BAKER, DISTRICT FOUR

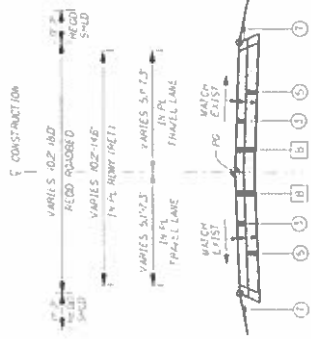
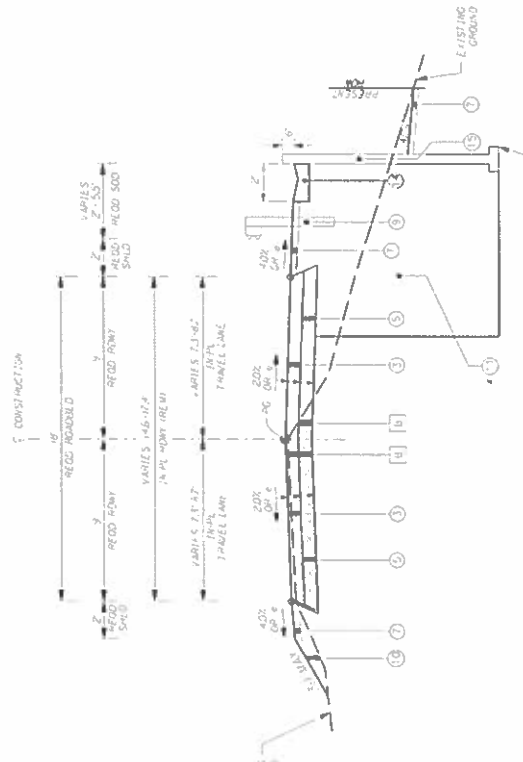
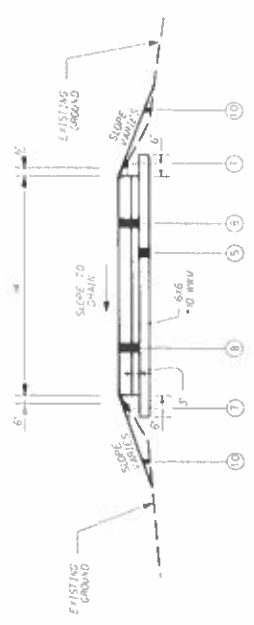


WORK AREA
456038 N
549603 E

TYPICAL SECTION SHEET

REFERENCE PROJECT NO. MCR-98-38-21
 FISCAL YEAR 2001
 SHEET NO. 2

PROJECT NOTES:
 2001.201.202.203
 GWP-2 NOTES:
 100.116



NOTE: PLACEMENT FOR THIS ITEM SHALL BE A SUBORDINARY ONE (SECTION 114) TO SECTION 110.

LEGEND NO.	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
1	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
2	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
3	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
4	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
5	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
6	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
7	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
8	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
9	IN-PLACE MATERIAL'S LEGEND DESCRIPTION
10	IN-PLACE MATERIAL'S LEGEND DESCRIPTION

LEGEND NO.	ITEM NO.	DESCRIPTION
1	101-000	ASPHALT CONCRETE PAVEMENT, 3" THICK (BY COUNTY)
2	102-000	GRADE-LEVEL LEGUMINOSAE BASE COURSE, TYPE B, P. ANT MIXED, 4" COMPACTED THICKNESS (D.C. TO 18x5 MIX)
3	103-000	SOLID SOFTING BITUMEN
4	104-000	CONCRETE DRIVEWAY, 8" THICK, INCLUDES 4" W.C. 2
5	2100-000	UNCLASSIFIED EXCAVATION AND/OR
6	2100-011	BORROW EXCAVATION (A-A OR BETTER, STRUCTURE EXCAVATION AND SELECT BACKFILL)
7	2100-012	RETAINING WALL (TYPE M-4)
8	2100-013	RETAINING WALL (TYPE M-4)

PROJECT NOTE SHEET

REFERENCE PROJECT NO.	MCP-18-98-21
FISCAL YEAR	2021
SHEET NO.	24

Approval Date: November 6, 2020
This Revision: June 13, 2018

ALABAMA DEPARTMENT OF TRANSPORTATION

LIST II-22

MSE WALL SYSTEMS

PRODUCT NAME	VENDOR CODE	DATE APPROVED	TERMINAL DATE
T&B Sew System*	1	11/6/00	
REINFORCED EARTH*	2	11/6/00	
STRENGTHENED SOIL SYSTEM*	3	11/6/00	
MESA SYSTEM*	4	11/6/00	
ARES* RETAINING WALL SYSTEM	4	03/00	
SSL SYSTEM*	5	06/00	
LANDMARK* RETAINING WALL SYSTEM*	6	11/6/00	
LANDMARK* RY ANCHOR WALL SYSTEM*	7	07/02/04	
TRICON* RETAINED SOIL WALL SYSTEM*	8	02/02/04	
Rein-Rock Positive Connection System	9	09/05/18	
SINE WALL MSE WALL SYSTEMS*	10	06/03/18	

VENDORS

1. VEST-WALL SYSTEMS 12505 W. WINDYBROOK MANSFIELD, TX 76063	2. THE REINFORCED EARTH COMPANY 3037 HOLCOMB BRIDGE ROAD, SUITE 301 MORGESS, GA 30092
3. SHAW TECHNOLOGIES, INC 8101 LONG PRAIRIE ROAD SUITE 041-026 FLOWER MOOND, TX 75628	4. TENSAR INTERNATIONAL CORPORATION 2500 NORTHWINDS PARKWAY 30105 ALPHARETTA, GA 30009
5. SSL 4740 E. SCOTT'S VALLEY DRIVE SCOTT'S VALLEY, CA 95066	6. KEYSTONE RETAINING WALL SYSTEMS CORPORATE HEADQUARTERS 4444 WEST 78 TH STREET MINNEAPOLIS, MN 55435
7. BLOCK USA 2570 RUFFNER ROAD BIRMINGHAM, AL 35210	8. TRICON PRECAST LTD 15655 HENRY ROAD HOUSTON, TX 77060
9. RED ROCK INTERNATIONAL 6548 US 31 SOUTH CHARLEVOIX, MI 49720	10. INVENTURE CIVIL 11640 NORTH PARK DRIVE WAKE FOREST, NC 27587

- *NOTE: The Landmark™ System should be installed to a height of 35 feet. Block USA should also provide, on a yearly basis current proof of licensure with Anchor to manufacture the wall system.
- *NOTE: The Tricon™ System should be installed to a height of 35 feet.
- *NOTE: The Mesa System is approved for wall heights up to 50 feet.
- *NOTE: These are the only walls that are identified at abutments where there are obstructions, other than driven piles, with the exception that the maximum reinforcement can be allowed 15 degrees to most obstructions such as drilled shafts or with the condition that a frame can be constructed around the obstruction to provide continuous reinforcement.
- *NOTE: The Sine Wall System should be limited to a height of 30 feet.
- *NOTE: All suppliers must be approved and posted on MSDSAR, List I-6 in order to provide precast products for these wall systems.

NOTE NO

- 203. ROADBED PROGRESSING IS WAIVED AND THE SURGRADE OF DRIVEWAYS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER. COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE DRAINING LAYER.
- 204. ROADBED PROGRESSING IS WAIVED AND THE SURGRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER. COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF THE DRAINING LAYER.
- 205. ALONG THE ALIGNMENT OF THIS PROJECT IN THE VICINITY OF THE RETAINING WALL, EXCAVATION AND/OR UNDERCUTTING WILL BE REQUIRED IN AREAS OF SOFT, ACID, AND/OR UNSUITABLE SOILS, INCLUDING THE SHOULDERS. ANY AREAS IDENTIFIED AS BEING SOFT SHOULD BE UNDERCUT TO FIRM MATERIALS AND SHOULD BE BROUGHT BACK TO FINAL GRADES USING CLEAN, CONTROLLED, ENGINEERED FILL MEETING THE REQUIREMENTS FOR EMBANKMENT FILL IN SECTION 210 OF THE ALABAMA SPECIFICATIONS OF AS APPROVED BY THE ENGINEER.

COUNTY POLICES SHALL COMPLETE THE ROADWAY PAVEMENT BUILDUP.

206. DMIT

207. DMIT

208. DMIT

209. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL ITEMS. THE COUNTY WILL ASSUME ALL RESPONSIBILITY FOR THE REMOVAL OF ALL EROSION AND SEDIMENT CONTROL ITEMS WHEN THE PROJECT IS COMPLETE. THE COUNTY WILL BE RESPONSIBLE FOR ALL INSTALLATION AND REMOVAL OF THE TRAFFIC CONTROL ITEMS.

210. IF RESIDENTIAL ACCESS LINES ARE ENCOUNTERED DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE AND RECONNECT ALL ACCESS LINES. COST OF THIS WORK SHALL BE A SUBSIDIARY OBLIGATION OF ITEM NO 2014-002.

211. DMIT

212. DMIT

213. 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 AND THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED GUARDRAIL, SIGNS, FOOTINGS OF ANY NATURE AND/OR ELECTRICAL/COMMUNICATIONS COLUMNS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES. UTILITY THE 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.

214. DMIT

215. DMIT

PLANS SUBMITTED		MARSHALL COUNTY COMMISSION	SHEET TITLE	DATE
			PROJECT NOTE SHEET	

SUMMARY OF QUANTITIES SHEETS

REFERENCE PROJECT NO. 2021
MCP-98-98-21

FISCAL YEAR 2021

SHEET NO. 3A

INDEX	STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS
1-3	100+00	CL	15.54	15.54	15.54	15.54	15.54	15.54	15.54	15.54	6 C/O	COLLAR
3-4	100+00	RT	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	6 C/O	COLLAR
7-3	101+48	RT	21.59	21.59	21.59	21.59	21.59	21.59	21.59	21.59	6 C/O	COLLAR
TOTAL			44	44	44	44	44	44	44	44	18	

INDEX	STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS
1-3	100+00	CL	15.54	15.54	15.54	15.54	15.54	15.54	15.54	15.54	6 C/O	COLLAR
3-4	100+00	RT	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	6 C/O	COLLAR
7-3	101+48	RT	21.59	21.59	21.59	21.59	21.59	21.59	21.59	21.59	6 C/O	COLLAR
TOTAL			44	44	44	44	44	44	44	44	18	

INDEX	STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS
1-3	100+00	CL	15.54	15.54	15.54	15.54	15.54	15.54	15.54	15.54	6 C/O	COLLAR
3-4	100+00	RT	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	6 C/O	COLLAR
7-3	101+48	RT	21.59	21.59	21.59	21.59	21.59	21.59	21.59	21.59	6 C/O	COLLAR
TOTAL			44	44	44	44	44	44	44	44	18	

STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
100+00	RT	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.22	6 C/O	COLLAR
TOTAL		28	28	28	28	28	28	28	28	28	12	

STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
100+75	100+50	225	225	225	225	225	225	225	225	225	6 C/O	COLLAR
TOTAL		225	225	225	225	225	225	225	225	225	12	

STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
100+75	100+50	298	298	298	298	298	298	298	298	298	6 C/O	COLLAR
TOTAL		298	298	298	298	298	298	298	298	298	12	

STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
100+75	100+50	1148	1148	1148	1148	1148	1148	1148	1148	1148	6 C/O	COLLAR
TOTAL		1148	1148	1148	1148	1148	1148	1148	1148	1148	12	

EROSION AND SEDIMENT CONTROL

ITEM	QTY	UNIT	DESCRIPTION	REMARKS
1	1	TON	TEMPORARY MULCHING	6650-001
2	1	TON	SEEDING	6650-002
3	1	TON	SILT FENCE REMOVAL	6650-003
4	1	TON	WATTLE	6650-004
TOTAL	4			

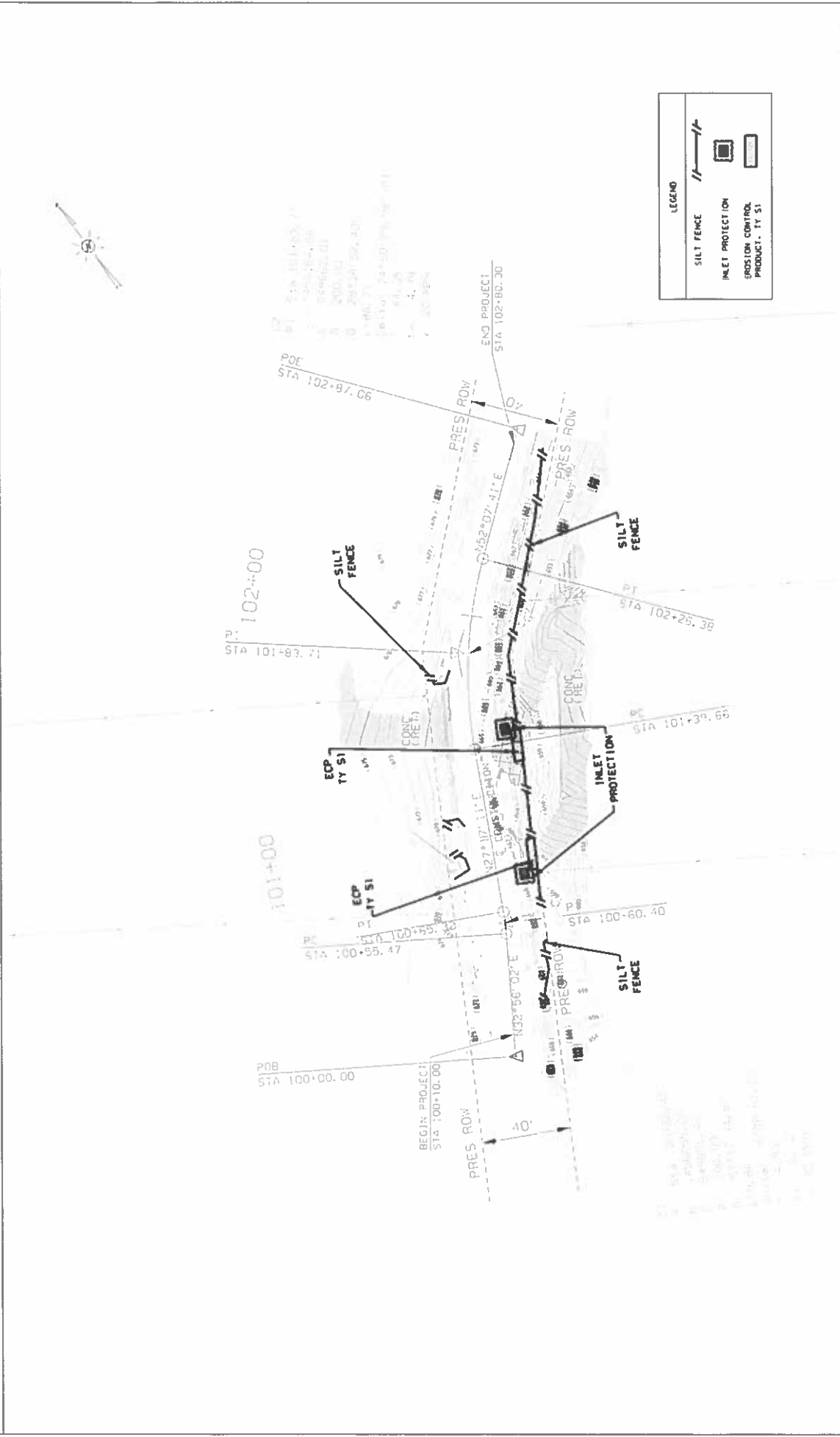
STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
101+40	RT	38	38	38	38	38	38	38	38	38	6 C/O	COLLAR
TOTAL		38	38	38	38	38	38	38	38	38	12	

STA	SOE	15' RCP (LN FT)	24" RCP (LN FT)	PALES (LN FT)	PILE UNITS (LN FT)	STRUCTURE EACH	FOUNDATION BUCKLE (LN FT)	MINOR STRUCTURE EACH	MINOR STRUCTURE COLLAR (LN FT)	PJ DETAILS	REMARKS	
100+75	CL	34	34	34	34	34	34	34	34	34	6 C/O	COLLAR
TOTAL		34	34	34	34	34	34	34	34	34	12	

LEGEND	DESCRIPTION
A	CONCRETE
B	REINFORCING
C	PIPE
D	PAVEMENT
E	GRAVEL
F	SOIL
G	WOOD
H	STEEL
I	ASPHALT
J	CONCRETE
K	CONCRETE
L	CONCRETE
M	CONCRETE
N	CONCRETE

EROSION AND SEDIMENT CONTROL PLAN SHEET

REFERENCE PROJECT NO.	MCP-48-98-21
FISCAL YEAR	2021
SHEET NO.	7



PROJECT NO.	MCP-48-98-21
DATE	2021
PROJECT TITLE	EROSION AND SEDIMENT CONTROL PLAN SHEET
CLIENT	MARSHALL COUNTY COMMISSION
DESIGNER	
SCALE	

TEST BORING LOGS

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP-48-89-21	2021	10

Boring B-1

Page 1 of 2

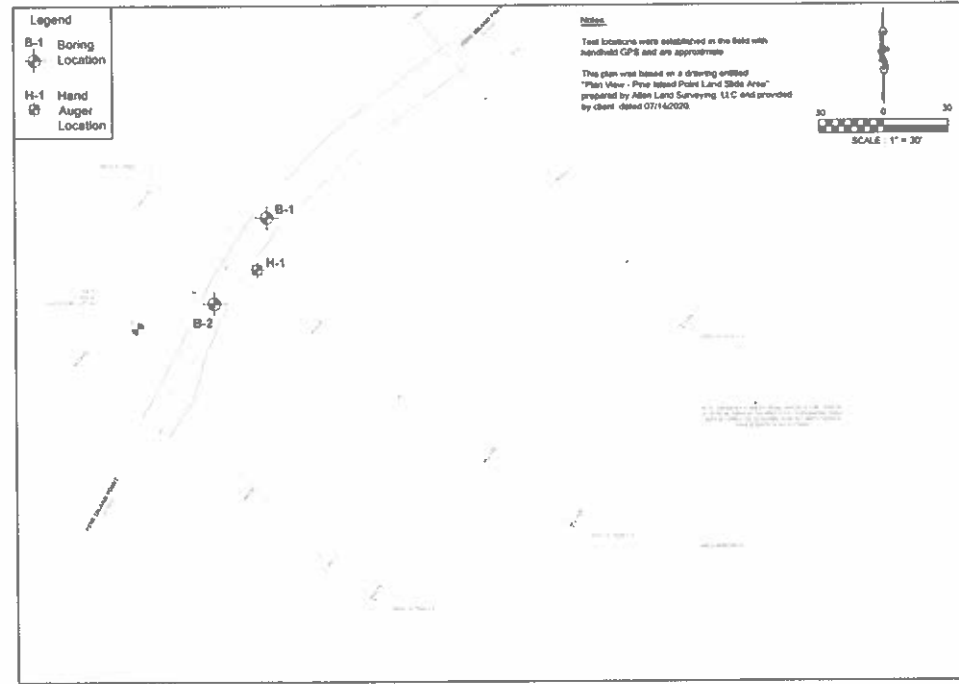


Project Name: Slope Failure at Pine Island Point
 Project Location: Scottsboro, Alabama Hammer Type: Automatic
 CDG Project Number: RB12220541 Method: CME-550-1 of ISEA
 Date Drilled: 02/20/20 Approx. Ground Elevation: 27.680 feet

Notes:
 3 inches of asphalt present at ground surface. Piezometer installed to a depth of 25.5 feet. No groundwater encountered at time of boring or during piezometer recovery on 01/16/2020.
 Soil Spoon Sample Rock Core

Depth (ft.)	Approx. Elev. (ft.)	Interval Description	Blow Count (N-Value)	SPT	L ₆₀	L ₁₀₀	L ₁₅₀	L ₂₀₀	Remarks
5	-665.0	Medium dense, brown, silty-clayey SAND with chert fragments	16-7-5 (12)						USCS = SC-SM AASHTO = A-3-A
		Soft, yellow and brown, sandy and clayey CLAY	5-6-7 (13)						USCS = CL AASHTO = A-4
		Very stiff, tan, sandy CLAY with rock fragments	8-10-13 (23)						4.0'
10	-660.0	hard	10-23-24 (47)						USCS = CL AASHTO = A-7-8
		Very soft, brown and black, sandy SILT with rock fragments	6-11-16 (27)						3.75'
15	-655.0		7-7-12 (19)						USCS = ML AASHTO = A-4
		Hard, yellowish-brown and gray, sandy CLAY with rock fragments	7-15-500*						4.0'
20	-650.0		17-17-44 (61)						USCS = CL AASHTO = A-4
25	-645.0		10-23-500*						
			504*						

(Continued Next Page)



Legend
 B-1 Boring Location
 H-1 Hand Auger Location

Notes:
 Test locations were established in the field with handheld GPS and are approximate.
 This plan was based on a drawing entitled "Plan View - Pine Island Point Land Slide Area" prepared by Allen Land Surveying, LLC and provided by client dated 07/14/2020.

Scale: 1" = 30'

CDG Engineering, Environmental, Assessors

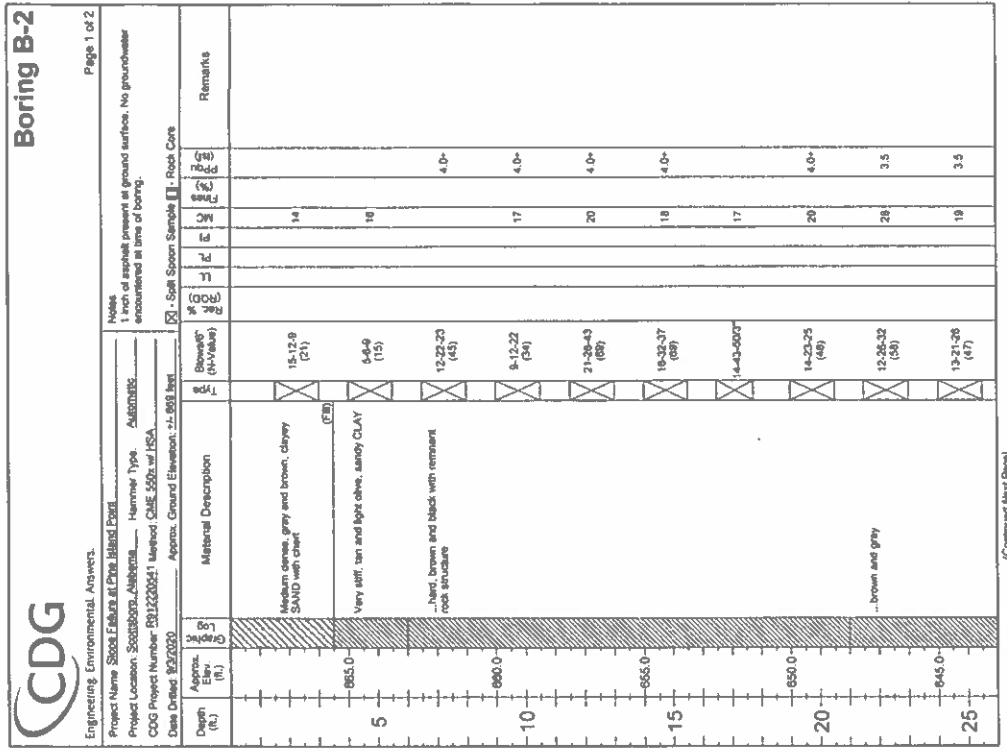
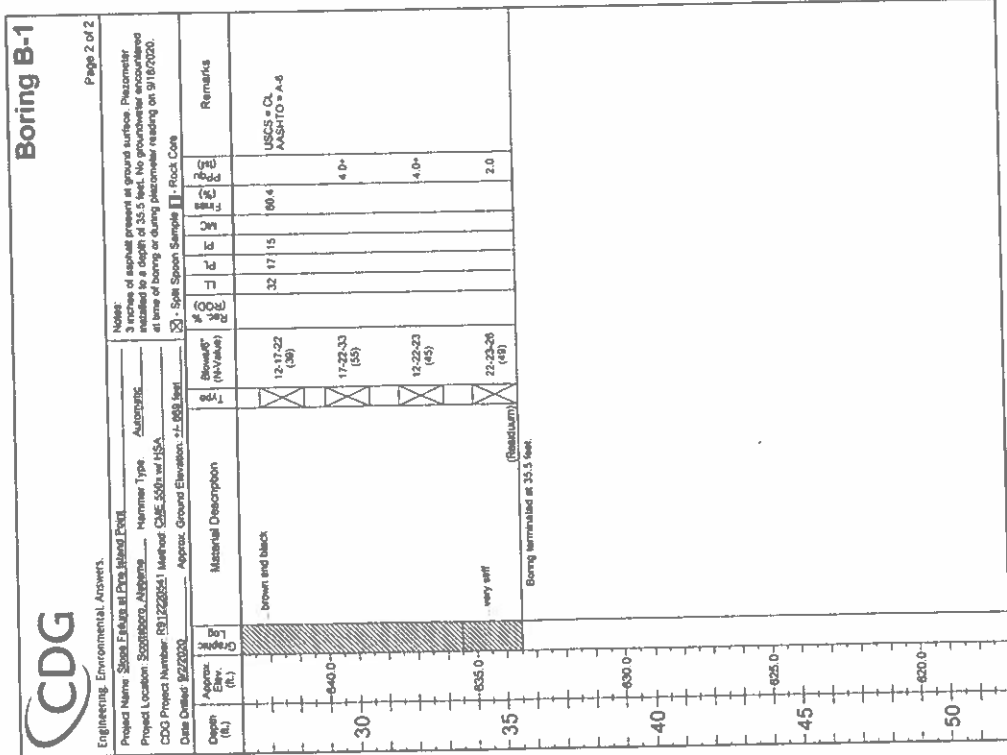
Test Location Plan
 Slope Failure at Pine Island Point
 Marshall County, Alabama
 CDG Project No.: RB12220541

Drawn by: WMB Date: 04/10/20
 Paper: 11x17

PLAN SUBMITTAL	MARSHALL COUNTY COMMISSION	NOT TO SCALE	SHEET TITLE	ROUTE
			TEST BORING LOGS	

TEST BORING LOGS

REFERENCE PROJECT NO	MCP46-88-21
FISCAL YEAR	2021
SHEET NO	IDA



	MARSHALL COUNTY COMMISSION	NOT TO SCALE	ROUTE
PLAN SUBMITTAL	TEST BORING LOGS		

TEST BORING LOGS

REFERENCE PROJECT NO	MCP-48-48-21
FISCAL YEAR	2021
SHEET NO	108

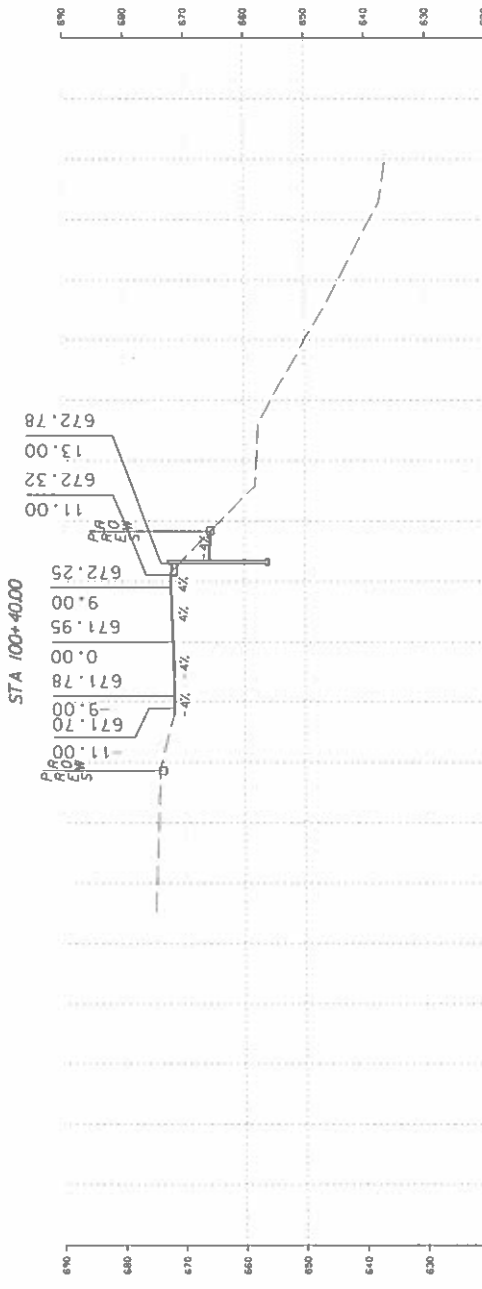
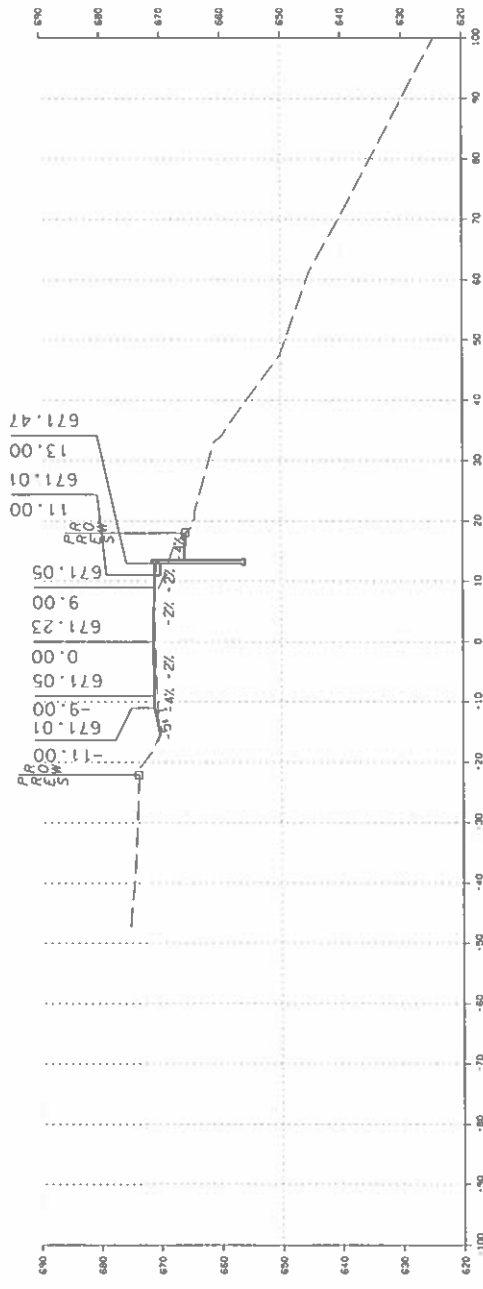
Boring B-2									
Page 2 of 2									
CDG Engineering, Environmental, Answers.		Project Name: <u>State Exhibit at Pine Island Point</u> Project Location: <u>Scottsboro, Alabama</u> CDG Project Number: <u>BS1220511</u> Date Drilled: <u>05/20/20</u> Approx. Ground Elevation: <u>+1.659 feet</u>							
Notes: 1 inch of asphalt present at ground surface. No groundwater encountered at time of boring.		Material Description: <u>Loose, brown, clayey CHERT</u> Blows/ft (N-Value): <u>12-13-26 (30)</u> <u>12-14-23 (37)</u> <u>11-12-22 (34)</u> <u>14-20-28 (48)</u>							
Depth (ft.)	Approx. Elev. (ft.)	Log	Material Description	Blows/ft (N-Value)	Rock Core	Notes	Remarks	Notes	Remarks
30	-640.0		Loose, brown, clayey CHERT	21	2.5				
35	-635.0		Loose, brown, clayey CHERT	23	2.75				
40	-630.0		Loose, brown, clayey CHERT	20	4.0				
45	-625.0		Loose, brown, clayey CHERT	20	4.0				
50	-620.0		Loose, brown, clayey CHERT						
Boring terminated at 35.5 feet.									

Hand Auger H-1									
Page 1 of 1									
CDG Engineering, Environmental, Answers.		Project Name: <u>State Exhibit at Pine Island Point</u> Project Location: <u>Scottsboro, Alabama</u> CDG Project Number: <u>BS1220511</u> Date Drilled: <u>04/12/2020</u> Approx. Ground Elevation: <u>+1.659 feet</u>							
Notes: 1 inch of asphalt present at ground surface. No groundwater encountered at time of boring.		Material Description: <u>Loose, brown, clayey CHERT</u> Blows/ft (N-Value): <u>5</u> <u>4</u> <u>7</u> <u>10</u>							
Depth (ft.)	Approx. Elev. (ft.)	Log	Material Description	Blows/ft (N-Value)	Rock Core	Notes	Remarks	Notes	Remarks
1	-660.0		Loose, brown, clayey CHERT	5					
2	-660.0		Loose, brown, clayey CHERT	4					
3	-660.0		Loose, brown, clayey CHERT	7					
4	-660.0		Loose, brown, clayey CHERT	10					
5	-660.0		Loose, brown, clayey CHERT						
6	-660.0		Loose, brown, clayey CHERT						
7	-660.0		Loose, brown, clayey CHERT						
8	-665.0		medium dense Hand auger terminated at 7.0 feet.						
9	-665.0		medium dense Hand auger terminated at 7.0 feet.						
Auger hole backfilled upon completion.									

PLM SUBMITAL		MARSHALL COUNTY COMMISSION	NOT TO SCALE	SHEET TITLE	ROUTE
				TEST BORING LOGS	

CROSS SECTIONS

REFERENCE PROJECT NO.	FISCAL YEAR	SHEET NO.
MCP4B-88-21	2021	15



STA 100+40.00
STA 100+25.00

BEGIN WALL
STA 100+25.00

RESPONSIBLE PE:
DATE:

SUPERVISOR:
DATE:

DESIGNER:
DATE:

PLAN SUBMITTAL

MARSHALL COUNTY COMMISSION

ROUTE

CROSS SECTIONS

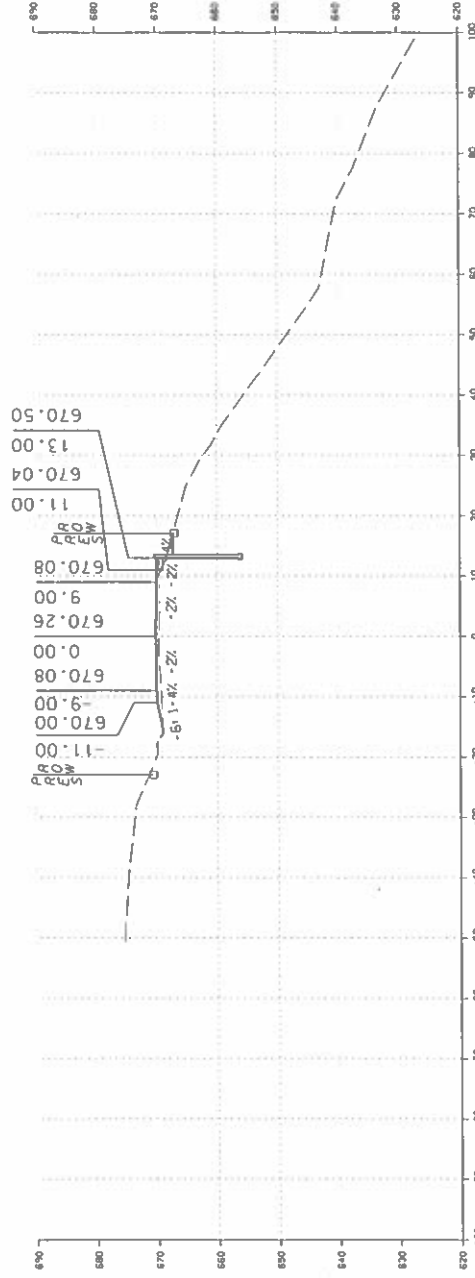
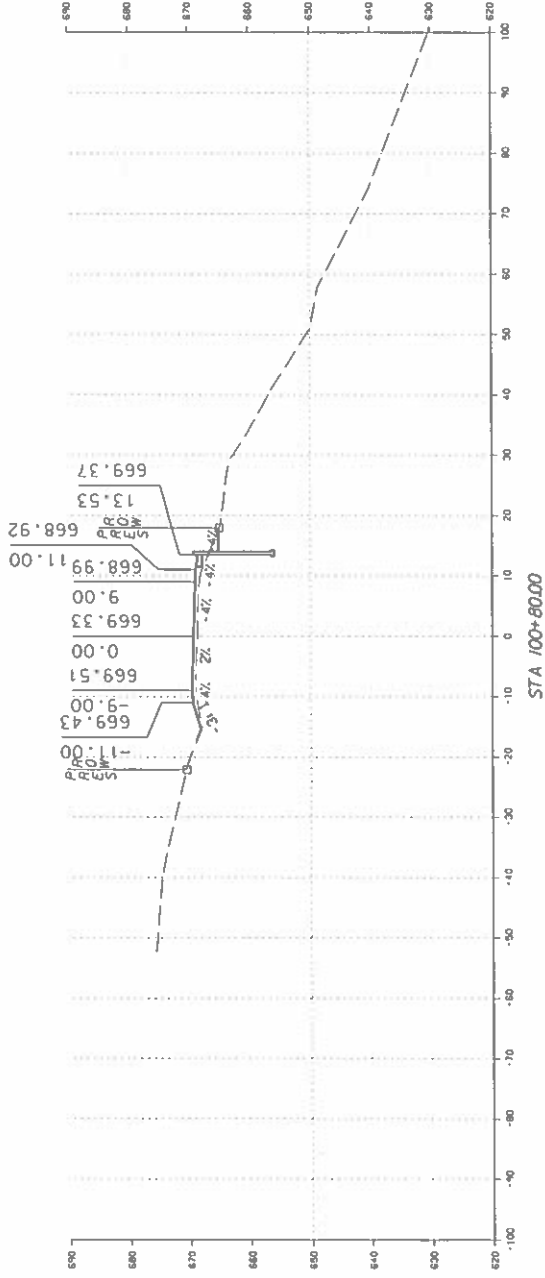
10 HORIZ 0
10 VERT 0

10 SCALE (FEET)

10 VERT 0

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP48-88-21	2021	16



Sta 100+60.00 TO Sta 100+80.00



MARSHALL COUNTY COMMISSION

PLAN SUBMITTAL

DESIGNER: _____ DATE: _____

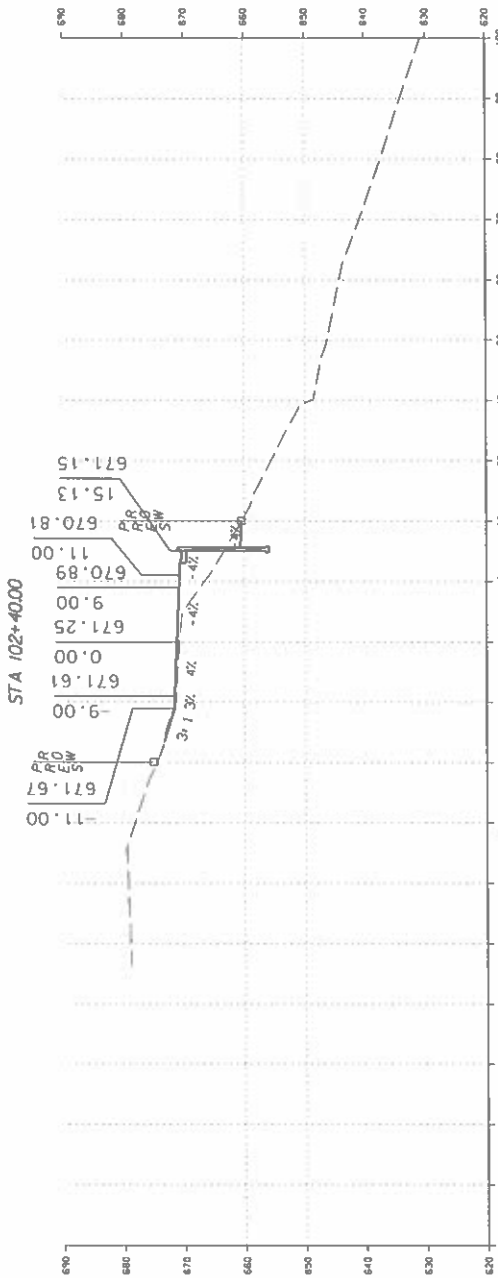
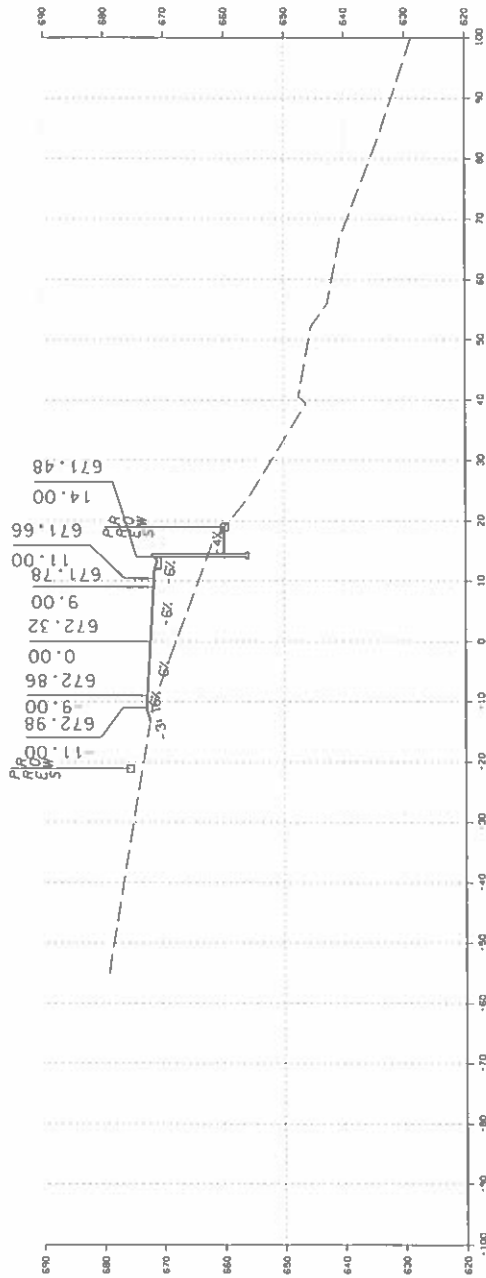
SUPERVISOR: _____ DATE: _____

RESPONSIBLE PE: _____ DATE: _____

CROSS SECTIONS

CROSS SECTIONS

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO
MCP48-88-21	2021	20



STA 102+20.00 TO STA 102+40.00

RESPONSIBLE PE:	SUPERVISOR:	DESIGNER:	DATE:

PLANS SUBMITTED:	MARSHALL COUNTY COMMISSION	SHEET TITLE	ROUTE
		CROSS SECTIONS	

10' HORIZ	10' VERT
0	0

SCALE (FEET)

